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

Level IV Data Package for

Anchor QEA, LLC

US Moorings – C2,C3,C4

Apex Laboratories Work Order #:

A1E0219

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

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APEX LABORATORIES, LLC
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APEX LABORATORIES, LLC
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Analytical Case Narrative

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

Analytical Case Narrative

Client: Anchor QEA, LLC Date: 07/27/2021
Project: US Moorings – C2,C3,C4
Apex Work Order Number: A1E0219

This data package contains data associated with analysis of samples for the above referenced Apex work order numbers. The data package Table of Contents, along with the PDF bookmarks, allow for ease of navigation and location of items within the data deliverable.

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

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

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

Estella Rieben,
Quality Systems Manager
Apex Laboratories, LLC

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

Analytical Report

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

ANALYTICAL REPORT

Wednesday, June 16, 2021

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

RE: A1E0219 - US Moorings -- C2, C3, C4 - [none]

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

Enclosed are the results of analyses for work order A1E0219, which was received by the laboratory on 5/4/2021 at 10:45:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	0.6 degC	Cooler #2	1.1 degC

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

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SC-FB-2105030940	A1E0219-01	WQ	05/03/21 09:40	05/04/21 10:45
SC-RB-2105030901	A1E0219-02	WQ	05/03/21 09:00	05/04/21 10:45
SC-TB-2105031045	A1E0219-03	WQ	05/03/21 10:45	05/04/21 10:45

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**		**Batch: 1050350**		
Benzene	ND	0.100	0.200	ug/L	1	05/11/21 18:04	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	05/11/21 18:04	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	05/11/21 18:04	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	05/11/21 18:04	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	05/11/21 18:04	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	05/11/21 18:04	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	05/11/21 18:04	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	05/11/21 18:04	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	05/11/21 18:04	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	05/11/21 18:04	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	05/11/21 18:04	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*05/11/21 18:04*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*05/11/21 18:04*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*05/11/21 18:04*	*EPA 8260D*	
SC-RB-2105030901 (A1E0219-02)				**Matrix: WQ**		**Batch: 1050350**		
Benzene	ND	0.100	0.200	ug/L	1	05/11/21 18:31	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	05/11/21 18:31	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	05/11/21 18:31	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	05/11/21 18:31	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	05/11/21 18:31	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	05/11/21 18:31	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	05/11/21 18:31	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	05/11/21 18:31	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	05/11/21 18:31	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	05/11/21 18:31	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	05/11/21 18:31	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*05/11/21 18:31*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*05/11/21 18:31*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*104 %*	*80-120 %*	*1*	*05/11/21 18:31*	*EPA 8260D*	
SC-TB-2105031045 (A1E0219-03)				**Matrix: WQ**		**Batch: 1050350**		
Benzene	ND	0.100	0.200	ug/L	1	05/11/21 18:58	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	05/11/21 18:58	EPA 8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-TB-2105031045 (A1E0219-03)				**Matrix: WQ**		**Batch: 1050350**		
Ethylbenzene	ND	0.250	0.500	ug/L	1	05/11/21 18:58	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	05/11/21 18:58	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	05/11/21 18:58	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	05/11/21 18:58	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	05/11/21 18:58	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	05/11/21 18:58	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	05/11/21 18:58	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	05/11/21 18:58	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	05/11/21 18:58	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*05/11/21 18:58*	*EPA 8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*05/11/21 18:58*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*105 %*	*80-120 %*	*1*	*05/11/21 18:58*	*EPA 8260D*	

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**		**Batch: 1050502**		**C-07**
Aroclor 1016	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1221	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1232	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1242	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1248	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1254	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1260	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1262	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Aroclor 1268	ND	0.0194	0.0388	ug/L	1	05/14/21 18:32	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 78 %*		*Limits: 40-135 %*	*1*	*05/14/21 18:32*	*EPA 8082A*	
SC-RB-2105030901 (A1E0219-02)				**Matrix: WQ**		**Batch: 1050502**		**C-07**
Aroclor 1016	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1221	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1232	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1242	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1248	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1254	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1260	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1262	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Aroclor 1268	ND	0.0187	0.0374	ug/L	1	05/14/21 18:50	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 65 %*		*Limits: 40-135 %*	*1*	*05/14/21 18:50*	*EPA 8082A*	

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**		**Batch: 1050274**		
2,4'-DDD	ND	0.00490	0.00980	ug/L	1	05/10/21 19:55	EPA 8081B	
2,4'-DDE	ND	0.00490	0.00980	ug/L	1	05/10/21 19:55	EPA 8081B	
2,4'-DDT	ND	0.00490	0.00980	ug/L	1	05/10/21 19:55	EPA 8081B	
4,4'-DDD	ND	0.00490	0.00980	ug/L	1	05/10/21 19:55	EPA 8081B	
4,4'-DDE	ND	0.00490	0.00980	ug/L	1	05/10/21 19:55	EPA 8081B	
4,4'-DDT	ND	0.00490	0.00980	ug/L	1	05/10/21 19:55	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*67 %*	*Limits: 25-140 %*	*1*	*05/10/21 19:55*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*98 %*	*30-135 %*	*1*	*05/10/21 19:55*	*EPA 8081B*	
SC-RB-2105030901 (A1E0219-02RE1)				**Matrix: WQ**		**Batch: 1050384**		**H-02**
2,4'-DDD	ND	0.00472	0.00943	ug/L	1	05/14/21 19:14	EPA 8081B	
2,4'-DDE	ND	0.00472	0.00943	ug/L	1	05/14/21 19:14	EPA 8081B	
2,4'-DDT	ND	0.00472	0.00943	ug/L	1	05/14/21 19:14	EPA 8081B	
4,4'-DDD	ND	0.00472	0.00943	ug/L	1	05/14/21 19:14	EPA 8081B	
4,4'-DDE	ND	0.00472	0.00943	ug/L	1	05/14/21 19:14	EPA 8081B	
4,4'-DDT	ND	0.00472	0.00943	ug/L	1	05/14/21 19:14	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*72 %*	*Limits: 25-140 %*	*1*	*05/14/21 19:14*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*79 %*	*30-135 %*	*1*	*05/14/21 19:14*	*EPA 8081B*	

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Pentachlorophenol by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**		**Batch: 1050273**		
Pentachlorophenol (PCP)	ND	0.0935	0.187	ug/L	1	05/10/21 13:07	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol (Surr)		*Recovery: 44 %*		*Limits: 43-140 %*	*1*	*05/10/21 13:07*	*EPA 8270E*	
SC-RB-2105030901 (A1E0219-02RE1)				**Matrix: WQ**		**Batch: 1050273**		
Pentachlorophenol (PCP)	ND	0.0935	0.187	ug/L	1	05/10/21 14:20	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol (Surr)		*Recovery: 61 %*		*Limits: 43-140 %*	*1*	*05/10/21 14:20*	*EPA 8270E*	

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**				
Batch: 1050469								
Arsenic	ND	0.500	1.00	ug/L	1	05/14/21 04:35	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	05/14/21 04:35	EPA 6020B	
Chromium	ND	0.500	1.00	ug/L	1	05/14/21 04:35	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	05/14/21 04:35	EPA 6020B	
Lead	ND	0.100	0.200	ug/L	1	05/14/21 04:35	EPA 6020B	
Manganese	ND	0.500	1.00	ug/L	1	05/14/21 04:35	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	05/14/21 04:35	EPA 6020B	
Zinc	ND	2.00	4.00	ug/L	1	05/14/21 04:35	EPA 6020B	
SC-RB-2105030901 (A1E0219-02)				**Matrix: WQ**				
Batch: 1050469								
Arsenic	ND	0.500	1.00	ug/L	1	05/14/21 04:40	EPA 6020B	
Cadmium	ND	0.100	0.200	ug/L	1	05/14/21 04:40	EPA 6020B	
Chromium	ND	0.500	1.00	ug/L	1	05/14/21 04:40	EPA 6020B	
Copper	ND	1.00	2.00	ug/L	1	05/14/21 04:40	EPA 6020B	
Lead	ND	0.100	0.200	ug/L	1	05/14/21 04:40	EPA 6020B	
Manganese	ND	0.500	1.00	ug/L	1	05/14/21 04:40	EPA 6020B	
Vanadium	ND	1.00	2.00	ug/L	1	05/14/21 04:40	EPA 6020B	
Zinc	ND	2.00	4.00	ug/L	1	05/14/21 04:40	EPA 6020B	

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Total Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**		**Batch: 1050438**		
Total Cyanide	ND	0.00250	0.00500	mg/L	1	05/13/21 13:10	D7511-12	
SC-RB-2105030901 (A1E0219-02)				**Matrix: WQ**		**Batch: 1050438**		
Total Cyanide	ND	0.00250	0.00500	mg/L	1	05/13/21 13:12	D7511-12	

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

ANALYTICAL SAMPLE RESULTS

Total Organic Carbon (Non-Purgeable) by Persulfate Oxidation by Standard Method 5310C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-FB-2105030940 (A1E0219-01)				**Matrix: WQ**		**Batch: 1050548**		
Total Organic Carbon	ND	1.00	1.00	mg/L	1	05/17/21 13:41	SM 5310 C	
SC-RB-2105030901 (A1E0219-02)				**Matrix: WQ**		**Batch: 1050548**		
Total Organic Carbon	ND	1.00	1.00	mg/L	1	05/17/21 15:12	SM 5310 C	

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Darwin Thomas, Business Development Director

APEX LABORATORIES

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050350 - EPA 1311/5030B TCLP Volatiles									Water			
Blank (1050350-BLK1)			Prepared: 05/11/21 10:00 Analyzed: 05/11/21 13:24									
EPA 8260D												
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*			*"*				
LCS (1050350-BS1)			Prepared: 05/11/21 10:00 Analyzed: 05/11/21 12:29									
EPA 8260D												
Benzene	19.3	0.100	0.200	ug/L	1	20.0	---	96	80-120%	---	---	
Toluene	19.5	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
Ethylbenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
m,p-Xylene	40.5	0.500	1.00	ug/L	1	40.0	---	101	80-120%	---	---	
o-Xylene	20.9	0.250	0.500	ug/L	1	20.0	---	104	80-120%	---	---	
Chlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
1,1-Dichloroethene	20.3	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
cis-1,2-Dichloroethene	21.1	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
Tetrachloroethene (PCE)	19.9	0.200	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
Trichloroethene (TCE)	20.9	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
Vinyl chloride	20.3	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*98 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				
Duplicate (1050350-DUP1)			Prepared: 05/11/21 12:55 Analyzed: 05/11/21 19:26									

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Darwin Thomas, Business Development Director

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

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050350 - EPA 1311/5030B TCLP Volatiles							**Water**					
Duplicate (1050350-DUP1)			Prepared: 05/11/21 12:55 Analyzed: 05/11/21 19:26									
QC Source Sample: SC-TB-2105031045 (A1E0219-03)												
EPA 8260D												
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*100 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*104 %*		*80-120 %*		*"*					
Duplicate (1050350-DUP2)			Prepared: 05/11/21 12:55 Analyzed: 05/11/21 23:35									
QC Source Sample: Non-SDG (A1E0396-05)												
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	**0.552**	0.500	1.00	ug/L	1	---	0.573	---	---	4	30%	J
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 105 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*100 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*104 %*		*80-120 %*		*"*					

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Darwin Thomas, Business Development Director

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

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050350 - EPA 1311/5030B TCLP Volatiles							**Water**					
Matrix Spike (1050350-MS1)			Prepared: 05/11/21 12:55		Analyzed: 05/11/21 15:43							
QC Source Sample: Non-SDG (A1E0215-01RE1)												
EPA 8260D												
Benzene	24.2	0.100	0.200	ug/L	1	20.0	2.70	108	79-120%	---	---	
Toluene	24.0	0.500	1.00	ug/L	1	20.0	2.29	108	80-121%	---	---	
Ethylbenzene	22.4	0.250	0.500	ug/L	1	20.0	0.590	109	79-121%	---	---	
m,p-Xylene	45.4	0.500	1.00	ug/L	1	40.0	0.678	112	80-121%	---	---	
o-Xylene	23.3	0.250	0.500	ug/L	1	20.0	0.437	114	78-122%	---	---	
Chlorobenzene	22.1	0.250	0.500	ug/L	1	20.0	ND	111	80-120%	---	---	
1,1-Dichloroethene	23.5	0.200	0.400	ug/L	1	20.0	ND	117	71-131%	---	---	
cis-1,2-Dichloroethene	22.8	0.200	0.400	ug/L	1	20.0	ND	114	78-123%	---	---	
Tetrachloroethene (PCE)	22.6	0.200	0.400	ug/L	1	20.0	ND	113	74-129%	---	---	
Trichloroethene (TCE)	23.1	0.200	0.400	ug/L	1	20.0	ND	116	79-123%	---	---	
Vinyl chloride	23.8	0.200	0.400	ug/L	1	20.0	ND	119	58-137%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*				*"*			
Matrix Spike Dup (1050350-MSD1)			Prepared: 05/11/21 12:55		Analyzed: 05/11/21 16:11							
QC Source Sample: Non-SDG (A1E0215-01RE1)												
Benzene	23.9	0.100	0.200	ug/L	1	20.0	2.70	106	79-120%	1	30%	
Toluene	23.4	0.500	1.00	ug/L	1	20.0	2.29	105	80-121%	3	30%	
Ethylbenzene	22.1	0.250	0.500	ug/L	1	20.0	0.590	107	79-121%	2	30%	
m,p-Xylene	44.5	0.500	1.00	ug/L	1	40.0	0.678	110	80-121%	2	30%	
o-Xylene	22.6	0.250	0.500	ug/L	1	20.0	0.437	111	78-122%	3	30%	
Chlorobenzene	21.7	0.250	0.500	ug/L	1	20.0	ND	108	80-120%	2	30%	
1,1-Dichloroethene	23.1	0.200	0.400	ug/L	1	20.0	ND	115	71-131%	2	30%	
cis-1,2-Dichloroethene	22.6	0.200	0.400	ug/L	1	20.0	ND	113	78-123%	0.8	30%	
Tetrachloroethene (PCE)	21.9	0.200	0.400	ug/L	1	20.0	ND	110	74-129%	3	30%	
Trichloroethene (TCE)	23.0	0.200	0.400	ug/L	1	20.0	ND	115	79-123%	0.4	30%	
Vinyl chloride	23.8	0.200	0.400	ug/L	1	20.0	ND	119	58-137%	0.3	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*95 %*		*80-120 %*				*"*			

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050502 - EPA 3510C (Neutral pH)							**Water**					
Blank (1050502-BLK1)			Prepared: 05/14/21 09:51		Analyzed: 05/14/21 17:38							**C-07**
EPA 8082A												
Aroclor 1016	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 79 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS (1050502-BS1)			Prepared: 05/14/21 09:51		Analyzed: 05/14/21 17:56							**C-07**
EPA 8082A												
Aroclor 1016	1.71	0.0200	0.0400	ug/L	1	2.50	---	69	46-129%	---	---	
Aroclor 1260	2.04	0.0200	0.0400	ug/L	1	2.50	---	81	45-134%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 82 %*		*Limits: 40-135 %*			*Dilution: 1x*				
LCS Dup (1050502-BSD1)			Prepared: 05/14/21 09:51		Analyzed: 05/14/21 18:14							**C-07, Q-19**
EPA 8082A												
Aroclor 1016	1.72	0.0200	0.0400	ug/L	1	2.50	---	69	46-129%	0.3	30%	
Aroclor 1260	2.14	0.0200	0.0400	ug/L	1	2.50	---	86	45-134%	5	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 74 %*		*Limits: 40-135 %*			*Dilution: 1x*				

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050274 - EPA 3510C (Neutral pH)								**Water**				
Blank (1050274-BLK1)			Prepared: 05/10/21 07:27 Analyzed: 05/10/21 19:06									
EPA 8081B												
2,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 59 %*		*Limits: 25-140 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*88 %*		*30-135 %*			*"*				
LCS (1050274-BS1)			Prepared: 05/10/21 07:27 Analyzed: 05/10/21 19:22									
EPA 8081B												
2,4'-DDD	0.225	0.00500	0.0100	ug/L	1	0.250	---	90	67-142%	---	---	
2,4'-DDE	0.197	0.00500	0.0100	ug/L	1	0.250	---	79	63-135%	---	---	
2,4'-DDT	0.242	0.00500	0.0100	ug/L	1	0.250	---	97	76-156%	---	---	
4,4'-DDD	0.223	0.00500	0.0100	ug/L	1	0.250	---	89	56-143%	---	---	
4,4'-DDE	0.214	0.00500	0.0100	ug/L	1	0.250	---	86	57-135%	---	---	
4,4'-DDT	0.256	0.00500	0.0100	ug/L	1	0.250	---	102	51-143%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 65 %*		*Limits: 25-140 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*94 %*		*30-135 %*			*"*				
LCS Dup (1050274-BSD1)			Prepared: 05/10/21 07:27 Analyzed: 05/10/21 19:39									**Q-19**
EPA 8081B												
2,4'-DDD	0.187	0.00500	0.0100	ug/L	1	0.250	---	75	67-142%	19	30%	
2,4'-DDE	0.163	0.00500	0.0100	ug/L	1	0.250	---	65	63-135%	19	30%	
2,4'-DDT	0.194	0.00500	0.0100	ug/L	1	0.250	---	78	76-156%	22	30%	
4,4'-DDD	0.176	0.00500	0.0100	ug/L	1	0.250	---	71	56-143%	23	30%	
4,4'-DDE	0.174	0.00500	0.0100	ug/L	1	0.250	---	70	57-135%	21	30%	
4,4'-DDT	0.218	0.00500	0.0100	ug/L	1	0.250	---	87	51-143%	16	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 61 %*		*Limits: 25-140 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*100 %*		*30-135 %*			*"*				

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050384 - EPA 3510C (Neutral pH)							**Water**					
Blank (1050384-BLK1)			Prepared: 05/12/21 07:32 Analyzed: 05/14/21 17:30									
EPA 8081B												
2,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.00455	0.00909	ug/L	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 63 %*		*Limits: 25-140 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*81 %*		*30-135 %*			*"*				
LCS (1050384-BS1)			Prepared: 05/12/21 07:32 Analyzed: 05/14/21 17:47									
EPA 8081B												
2,4'-DDD	0.267	0.00500	0.0100	ug/L	1	0.250	---	107	67-142%	---	---	
2,4'-DDE	0.230	0.00500	0.0100	ug/L	1	0.250	---	92	63-135%	---	---	
2,4'-DDT	0.336	0.00500	0.0100	ug/L	1	0.250	---	134	76-156%	---	---	
4,4'-DDD	0.282	0.00500	0.0100	ug/L	1	0.250	---	113	56-143%	---	---	
4,4'-DDE	0.238	0.00500	0.0100	ug/L	1	0.250	---	95	57-135%	---	---	
4,4'-DDT	0.334	0.00500	0.0100	ug/L	1	0.250	---	134	51-143%	---	---	Q-41
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 82 %*		*Limits: 25-140 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*92 %*		*30-135 %*			*"*				
LCS Dup (1050384-BSD1)			Prepared: 05/12/21 07:32 Analyzed: 05/14/21 18:57									**Q-19**
EPA 8081B												
2,4'-DDD	0.207	0.00500	0.0100	ug/L	1	0.250	---	83	67-142%	25	30%	
2,4'-DDE	0.185	0.00500	0.0100	ug/L	1	0.250	---	74	63-135%	22	30%	
2,4'-DDT	0.262	0.00500	0.0100	ug/L	1	0.250	---	105	76-156%	25	30%	
4,4'-DDD	0.213	0.00500	0.0100	ug/L	1	0.250	---	85	56-143%	28	30%	Q-41
4,4'-DDE	0.185	0.00500	0.0100	ug/L	1	0.250	---	74	57-135%	25	30%	
4,4'-DDT	0.253	0.00500	0.0100	ug/L	1	0.250	---	101	51-143%	28	30%	Q-41
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 66 %*		*Limits: 25-140 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*68 %*		*30-135 %*			*"*				

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

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Pentachlorophenol by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050273 - EPA 3510C (Acid Extraction)									**Water**			
Blank (1050273-BLK1)			Prepared: 05/10/21 07:24		Analyzed: 05/10/21 11:20							
EPA 8270E												
Pentachlorophenol (PCP)	ND	0.0909	0.182	ug/L	1	---	---	---	---	---	---	
Surr: 2,4,6-Tribromophenol (Surr)			*Recovery: 80 %*		*Limits: 43-140 %*		*Dilution: 1x*					
LCS (1050273-BS1)			Prepared: 05/10/21 07:24		Analyzed: 05/10/21 11:56							
EPA 8270E												
Pentachlorophenol (PCP)	3.12	0.400	0.800	ug/L	4	4.00	---	78	35-138%	---	---	
Surr: 2,4,6-Tribromophenol (Surr)			*Recovery: 82 %*		*Limits: 43-140 %*		*Dilution: 4x*					
LCS Dup (1050273-BSD1)			Prepared: 05/10/21 07:24		Analyzed: 05/10/21 12:31							**Q-19**
EPA 8270E												
Pentachlorophenol (PCP)	3.31	0.400	0.800	ug/L	4	4.00	---	83	35-138%	6	30%	
Surr: 2,4,6-Tribromophenol (Surr)			*Recovery: 90 %*		*Limits: 43-140 %*		*Dilution: 4x*					

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050469 - EPA 3015A							**Water**					
Blank (1050469-BLK1)			Prepared: 05/13/21 13:48		Analyzed: 05/14/21 04:26							
EPA 6020B												
Arsenic	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Cadmium	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Chromium	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Copper	**12.1**	1.00	2.00	ug/L	1	---	---	---	---	---	---	B
Lead	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Manganese	**0.653**	0.500	1.00	ug/L	1	---	---	---	---	---	---	J, B-02
Vanadium	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Zinc	**7.22**	2.00	4.00	ug/L	1	---	---	---	---	---	---	B
LCS (1050469-BS1)			Prepared: 05/13/21 13:48		Analyzed: 05/14/21 04:31							
EPA 6020B												
Arsenic	55.7	0.500	1.00	ug/L	1	55.6	---	100	80-120%	---	---	
Cadmium	55.9	0.100	0.200	ug/L	1	55.6	---	101	80-120%	---	---	
Chromium	52.8	0.500	1.00	ug/L	1	55.6	---	95	80-120%	---	---	
Copper	59.5	1.00	2.00	ug/L	1	55.6	---	107	80-120%	---	---	B
Lead	58.1	0.100	0.200	ug/L	1	55.6	---	105	80-120%	---	---	
Manganese	54.1	0.500	1.00	ug/L	1	55.6	---	97	80-120%	---	---	
Vanadium	53.1	1.00	2.00	ug/L	1	55.6	---	96	80-120%	---	---	
Zinc	56.0	2.00	4.00	ug/L	1	55.6	---	101	80-120%	---	---	B
Duplicate (1050469-DUP1)			Prepared: 05/13/21 13:48		Analyzed: 05/14/21 04:55							
QC Source Sample: Non-SDG (A1E0418-01)												
Arsenic	**1.07**	0.500	1.00	ug/L	1	---	1.14	---	---	6	20%	
Cadmium	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	20%	
Chromium	**1.16**	0.500	1.00	ug/L	1	---	1.21	---	---	4	20%	
Copper	**14.3**	1.00	2.00	ug/L	1	---	14.7	---	---	3	20%	B
Lead	**0.886**	0.100	0.200	ug/L	1	---	0.852	---	---	4	20%	
Manganese	**2200**	0.500	1.00	ug/L	1	---	2230	---	---	2	20%	B-02
Vanadium	**2.22**	1.00	2.00	ug/L	1	---	2.46	---	---	10	20%	
Zinc	**415**	2.00	4.00	ug/L	1	---	423	---	---	2	20%	B
Matrix Spike (1050469-MS1)			Prepared: 05/13/21 13:48		Analyzed: 05/14/21 05:09							

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050469 - EPA 3015A							**Water**					
Matrix Spike (1050469-MS1)			Prepared: 05/13/21 13:48		Analyzed: 05/14/21 05:09							
QC Source Sample: Non-SDG (A1E0418-01)												
EPA 6020B												
Arsenic	58.4	0.500	1.00	ug/L	1	55.6	1.14	103	75-125%	---	---	
Cadmium	56.3	0.100	0.200	ug/L	1	55.6	ND	101	75-125%	---	---	
Chromium	55.5	0.500	1.00	ug/L	1	55.6	1.21	98	75-125%	---	---	
Copper	72.8	1.00	2.00	ug/L	1	55.6	14.7	104	75-125%	---	---	B, Q-41
Lead	56.9	0.100	0.200	ug/L	1	55.6	0.852	101	75-125%	---	---	
Manganese	2230	0.500	1.00	ug/L	1	55.6	2230	**4**	**75-125%**	---	---	B-02, Q-03
Vanadium	59.4	1.00	2.00	ug/L	1	55.6	2.46	103	75-125%	---	---	
Zinc	473	2.00	4.00	ug/L	1	55.6	423	90	75-125%	---	---	B

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050438 - ASTM D7511-12 (W)							**Water**					
Blank (1050438-BLK1)			Prepared: 05/13/21 08:41		Analyzed: 05/13/21 12:38							
D7511-12												
Total Cyanide	ND	0.00250	0.00500	mg/L	1	---	---	---	---	---	---	
LCS (1050438-BS1)			Prepared: 05/13/21 08:41		Analyzed: 05/13/21 12:40							
D7511-12												
Total Cyanide	0.0256	0.00250	0.00500	mg/L	1	0.0250	---	102	84-116%	---	---	
Matrix Spike (1050438-MS1)			Prepared: 05/13/21 08:41		Analyzed: 05/13/21 12:54							
QC Source Sample: Non-SDG (A1E0176-01)												
D7511-12												
Total Cyanide	0.0269	0.00251	0.00503	mg/L	1	0.0251	ND	107	64-136%	---	---	
Matrix Spike (1050438-MS2)			Prepared: 05/13/21 08:41		Analyzed: 05/13/21 13:18							
QC Source Sample: Non-SDG (A1E0223-02)												
D7511-12												
Total Cyanide	0.0676	0.00251	0.00503	mg/L	1	0.0251	0.0421	101	64-136%	---	---	E
Matrix Spike Dup (1050438-MSD1)			Prepared: 05/13/21 08:41		Analyzed: 05/13/21 12:58							
QC Source Sample: Non-SDG (A1E0176-01)												
Total Cyanide	0.0283	0.00251	0.00503	mg/L	1	0.0251	ND	113	64-136%	5	47%	
Matrix Spike Dup (1050438-MSD2)			Prepared: 05/13/21 08:41		Analyzed: 05/13/21 13:20							
QC Source Sample: Non-SDG (A1E0223-02)												
Total Cyanide	0.0673	0.00251	0.00503	mg/L	1	0.0251	0.0421	101	64-136%	0.3	47%	E

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Organic Carbon (Non-Purgeable) by Persulfate Oxidation by Standard Method 5310C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1050548 - Method Prep: Aq							**Water**					
Blank (1050548-BLK1)			Prepared: 05/17/21 08:43		Analyzed: 05/17/21 12:41							
SM 5310 C												
Total Organic Carbon	ND	1.00	1.00	mg/L	1	---	---	---	---	---	---	
LCS (1050548-BS1)			Prepared: 05/17/21 08:43		Analyzed: 05/17/21 13:11							
SM 5310 C												
Total Organic Carbon	10.0	1.00	1.00	mg/L	1	10.0	---	100	90-114%	---	---	
LCS (1050548-BS3)			Prepared: 05/17/21 08:43		Analyzed: 05/18/21 13:29							
SM 5310 C												
Total Organic Carbon	ND	1.00	1.00	mg/L	1	0.00	---		**90-114%**	---	---	TOC_I
Duplicate (1050548-DUP1)			Prepared: 05/17/21 08:43		Analyzed: 05/17/21 14:12							
QC Source Sample: SC-FB-2105030940 (A1E0219-01)												
SM 5310 C												
Total Organic Carbon	ND	1.00	1.00	mg/L	1	---	ND	---	---	---	10%	
Matrix Spike (1050548-MS1)			Prepared: 05/17/21 08:43		Analyzed: 05/17/21 14:43							
QC Source Sample: SC-FB-2105030940 (A1E0219-01)												
SM 5310 C												
Total Organic Carbon	10.7	1.01	1.01	mg/L	1	10.0	ND	107	90-114%	---	---	

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
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SAMPLE PREPARATION INFORMATION

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 1311/5030B TCLP Volatiles

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050350							
A1E0219-01	WQ	EPA 8260D	05/03/21 09:40	05/11/21 12:55	5mL/5mL	5mL/5mL	1.00
A1E0219-02	WQ	EPA 8260D	05/03/21 09:00	05/11/21 12:55	5mL/5mL	5mL/5mL	1.00
A1E0219-03	WQ	EPA 8260D	05/03/21 10:45	05/11/21 12:55	5mL/5mL	5mL/5mL	1.00

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050502							
A1E0219-01	WQ	EPA 8082A	05/03/21 09:40	05/14/21 09:51	1030mL/2mL	1000mL/2mL	0.97
A1E0219-02	WQ	EPA 8082A	05/03/21 09:00	05/14/21 09:51	1070mL/2mL	1000mL/2mL	0.94

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3510C (Neutral pH)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050274							
A1E0219-01	WQ	EPA 8081B	05/03/21 09:40	05/10/21 07:27	1020mL/5mL	1000mL/5mL	0.98
Batch: 1050384							
A1E0219-02RE1	WQ	EPA 8081B	05/03/21 09:00	05/12/21 07:32	1060mL/5mL	1000mL/5mL	0.94

Pentachlorophenol by EPA 8270E

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050273							
A1E0219-01	WQ	EPA 8270E	05/03/21 09:40	05/10/21 07:24	1070mL/1mL	1000mL/1mL	0.94
A1E0219-02RE1	WQ	EPA 8270E	05/03/21 09:00	05/10/21 07:24	1070mL/1mL	1000mL/1mL	0.94

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050469							
A1E0219-01	WQ	EPA 6020B	05/03/21 09:40	05/13/21 13:48	45mL/50mL	45mL/50mL	1.00

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3015A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A1E0219-02	WQ	EPA 6020B	05/03/21 09:00	05/13/21 13:48	45mL/50mL	45mL/50mL	1.00

Total Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12 (W)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050438							
A1E0219-01	WQ	D7511-12	05/03/21 09:40	05/13/21 08:41	10mL/10mL	10mL/10mL	1.00
A1E0219-02	WQ	D7511-12	05/03/21 09:00	05/13/21 08:41	10mL/10mL	10mL/10mL	1.00

Total Organic Carbon (Non-Purgeable) by Persulfate Oxidation by Standard Method 5310C

Prep: Method Prep: Aq

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1050548							
A1E0219-01	WQ	SM 5310 C	05/03/21 09:40	05/17/21 08:43	40mL/40mL	40mL/40mL	1.00
A1E0219-02	WQ	SM 5310 C	05/03/21 09:00	05/17/21 08:43	40mL/40mL	40mL/40mL	1.00

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

QUALIFIER DEFINITIONS

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

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B	Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
E	Estimated Value. The result is above the calibration range of the instrument.
H-02	This sample was extracted outside of the recommended holding time.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
TOC_I	Inorganic Carbon Spike Check. Results are valid if Non Detect (No Inorganic Carbon detected.)

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ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

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

NR Result Not Reported

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

Apex Laboratories

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

Darwin Thomas, Business Development Director

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

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

Apex Laboratories

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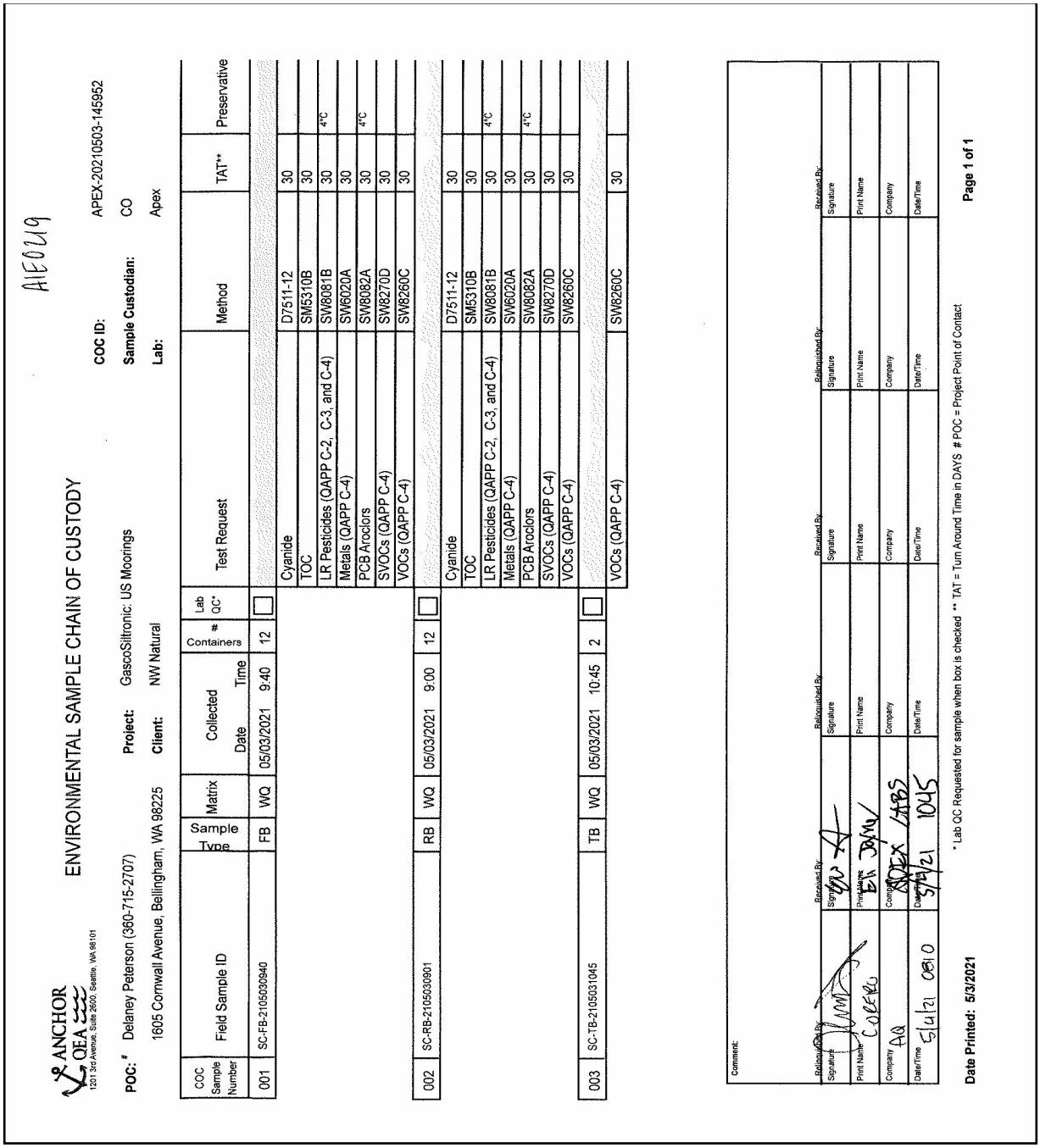
Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**



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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A1E0219

POC:* Delaney Peterson (360-715-2707) Project: GascoSiltronic: US Moorings COC ID: APEX-20210503-145952
1605 Cornwall Avenue, Bellingham, WA 98225 Client: NW Natural Lab: Apex Sample Custodian: CO

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
001	SC-FB-2105030940	FB	WQ	05/03/2021	9:40	12	☐	Cyanide	D7511-12	30	
								TOC	SM5310B	30	
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	
								VOCs (QAPP C-4)	SW8260C	30	
002	SC-RB-2105030901	RB	WQ	05/03/2021	9:00	12	☐	Cyanide	D7511-12	30	
								TOC	SM5310B	30	
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	
								VOCs (QAPP C-4)	SW8260C	30	
003	SC-TB-2105031045	TB	WQ	05/03/2021	10:45	2	☐	VOCs (QAPP C-4)	SW8260C	30	

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company AQ	Company APEX LABS	Company	Company	Company	Company
Date/Time 5/3/21 0810	Date/Time 5/3/21 1045	Date/Time	Date/Time	Date/Time	Date/Time

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

Date Printed: 5/3/2021

Page 1 of 1

Apex Laboratories

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Darwin Thomas, Business Development Director

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

ANALYTICAL REPORT

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A1E0219 - 06 16 21 0608**

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A1 E0219

Project/Project #: Fusco Offshore: US Moorings APEX 20210503 145952

Delivery Info:
Date/time received: 5/4/21 @ 1645 By: EJ
Delivered by: Apex X Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 5/4/21 @ 1250 By: EJ
Chain of Custody included? Yes X No Custody seals? Yes X No
Signed/dated by client? Yes X No
Signed/dated by Apex? Yes X No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	0.6	1.1					
Received on ice? (Y/N)	Y	Y					
Temp. blanks? (Y/N)	Y	Y					
Ice type: (Gel/Real/Other)	Real	Real					
Condition:	Good	Good					

Cooler out of temp? (Y/N) Possible reason why:
Green dots applied to out of temperature samples? Yes/No
Out of temperature samples form initiated? Yes/No
Sample Inspection: Date/time inspected: 5/5/21 @ 18:13 By:
All samples intact? Yes X No Comments:
Bottle labels/COCs agree? Yes X No Comments:
COC/container discrepancies form initiated? Yes No X
Containers/volumes received appropriate for analysis? Yes X No Comments:
Do VOA vials have visible headspace? Yes No X NA
Comments
Water samples: pH checked: Yes X No NA pH appropriate? Yes X No NA
Comments:
Additional information: TB# 2741
Labeled by: Witness: Cooler Inspected by:

Apex Laboratories

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

Darwin Thomas, Business Development Director

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

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

A1E0219

Apex Laboratories

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

Report To:

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

Invoice To:

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

Date Due:	05/18/21 17:00 (10 day TAT)		
Received By:	Eli S. Joyner	Date Received:	05/04/21 10:45
Logged In By:	Susan Treat	Date Logged In:	05/06/21 10:59

Cooler #1 received at 0.6°C

Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	Yes	Received On Ice	Yes
Temperature OK	Yes								

Cooler #2 received at 1.1°C

Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	Yes	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A1E0219-01 SC-FB-2105030940 [Water] Sampled 05/03/21 09:40 (GMT-08:00) Pacific Time (US & Canada) 12 Containers				
Metals				
Metals, Select 1	05/17/21 17:00	10	10/30/21 09:40	
Project Mgmt				
Data Package	05/17/21 17:00	10	08/10/21 09:40	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/17/21 17:00	10	05/10/21 09:40	
8082 PCBs - Low Level (2mL FV) +1262/68	05/17/21 17:00	10	05/03/22 09:40	
Semivols (Scan)				
8270E LL Pentachlorophenol (PCP)	05/17/21 17:00	10	05/10/21 09:40	MDL
Volatiles				
8260D BTEX+Halo6	05/17/21 17:00	10	05/17/21 09:40	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	05/17/21 17:00	10	05/17/21 09:40	
Total Organic Carbon - H2O (5310C)	05/17/21 17:00	10	05/31/21 09:40	Waters

A1E0219

Apex Laboratories

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

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

A1E0219-02 SC-RB-2105030901 [Water] Sampled 05/03/21 09:00
(GMT-08:00) Pacific Time (US & Canada) 12 Containers

Metals

Metals, Select 1	05/17/21 17:00	10	10/30/21 09:00	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	05/17/21 17:00	10	05/10/21 09:00	
8082 PCBs - Low Level (2mL FV) +1262/68	05/17/21 17:00	10	05/03/22 09:00	

Semivols (Scan)

8270E LL Pentachlorophenol (PCP)	05/17/21 17:00	10	05/10/21 09:00	MDL

Volatiles

8260D BTEX+Halo6	05/17/21 17:00	10	05/17/21 09:00	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	05/17/21 17:00	10	05/17/21 09:00	
Total Organic Carbon - H2O (5310C)	05/17/21 17:00	10	05/31/21 09:00	Waters

A1E0219-03 SC-TB-2105031045 [Water] Sampled 05/03/21 10:45
(GMT-08:00) Pacific Time (US & Canada) 2 Containers

TB# 2741

Volatiles

8260D BTEX+Halo6	05/17/21 17:00	10	05/17/21 10:45	

Analysis groups included in this work order

Metals, Select 1

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

Reviewed By

Date

AIE0219

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: APEX-20210503-145952

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

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	SC-FB-2105030940	FB	WQ	05/03/2021	9:40	12	☐				
								Cyanide	D7511-12	30	
								TOC	SM5310B	30	
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	
								VOCs (QAPP C-4)	SW8260C	30	
002	SC-RB-2105030901	RB	WQ	05/03/2021	9:00	12	☐				
								Cyanide	D7511-12	30	
								TOC	SM5310B	30	
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	
								VOCs (QAPP C-4)	SW8260C	30	
003	SC-TB-2105031045	TB	WQ	05/03/2021	10:45	2	☐				
								VOCs (QAPP C-4)	SW8260C	30	

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name COPERO	Print Name ERIN JOYCE	Print Name	Print Name	Print Name	Print Name
Company AQ	Company APEX LABS	Company	Company	Company	Company
Date/Time 5/4/21 0810	Date/Time 5/4/21 1045	Date/Time	Date/Time	Date/Time	Date/Time

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

Date Printed: 5/3/2021

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A1 E0219

Project/Project #: Fusco Offshore. US Moorings APEX 20210503 145952

Delivery Info:

Date/time received: 5/4/21 @ 1645 By: EJ

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

Cooler Inspection Date/time inspected: 5/4/21 @ 1250 By: EJ

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

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	0.6	1.1					
Received on ice? (Y/N)	Y	Y					
Temp. blanks? (Y/N)	Y	Y					
Ice type: (Gel/Real/Other)	Real	Real					
Condition:	Good	Good					

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

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 5/5/21 @ 18:13 By: KS

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No X

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

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

Comments ___

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

Comments: ___

Additional information: TB# 27141

Labeled by: Witness: Cooler Inspected by: KS

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

CLP-Like Forms

Apex Laboratories

SDG: A1E0219

CLASS: GCMS

METHOD: EPA 8260D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8260D

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ
SC-TB-2105031045	A1E0219-03	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

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

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

ORGANIC ANALYSIS DATA SHEET

EPA 8260D

SC-FB-2105030940

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-01	File ID:	VI21051115.D
Sampled:	05/03/21 09:40	Prepared:	05/11/21 12:55	Analyzed:	05/11/21 18:04
		Preparation:	EPA 1311/5030B TCLP Vola	Initial/Final:	5 mL / 5 mL

Batch: 1050350 Sequence: 1E11044 Calibration: A1E1107 Instrument: VOA-GCMS9

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

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	51.7	103	80 - 120	
Toluene-d8 (Surr)	50.0	49.9	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.3	103	80 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	113794	6.138	120573	6.138	
Chlorobenzene-d5 (ISTD)	312430	9.843	336928	9.843	
1,4-Dichlorobenzene-d4 (ISTD)	137584	11.795	169541	11.796	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260D

SC-RB-2105030901

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-02	File ID:	VI21051116.D
Sampled:	05/03/21 09:00	Prepared:	05/11/21 12:55	Analyzed:	05/11/21 18:31
		Preparation:	EPA 1311/5030B TCLP Vola	Initial/Final:	5 mL / 5 mL

Batch: 1050350 Sequence: 1E11044 Calibration: A1E1107 Instrument: VOA-GCMS9

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

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	51.1	102	80 - 120	
Toluene-d8 (Surr)	50.0	50.2	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.9	104	80 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	113699	6.138	120573	6.138	
Chlorobenzene-d5 (ISTD)	306638	9.843	336928	9.843	
1,4-Dichlorobenzene-d4 (ISTD)	132288	11.795	169541	11.796	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8260D

SC-TB-2105031045

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-03	File ID:	VI21051117.D
Sampled:	05/03/21 10:45	Prepared:	05/11/21 12:55	Analyzed:	05/11/21 18:58
		Preparation:	EPA 1311/5030B TCLP Vola	Initial/Final:	5 mL / 5 mL

Batch: 1050350 Sequence: 1E11044 Calibration: A1E1107 Instrument: VOA-GCMS9

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

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	51.0	102	80 - 120	
Toluene-d8 (Surr)	50.0	50.0	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	52.3	105	80 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	109857	6.138	120573	6.138	
Chlorobenzene-d5 (ISTD)	299332	9.843	336928	9.843	
1,4-Dichlorobenzene-d4 (ISTD)	129246	11.795	169541	11.796	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8260D

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050350 Batch Matrix: Water
Preparation: EPA 1311/5030B TCLP Volatiles

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050350-BLK1	VI21051105.D	05/11/21 10:00	
LCS	1050350-BS1	VI21051103.D	05/11/21 10:00	
SC-TB-2105031045 (Dup)	1050350-DUP1	VI21051118.D	05/11/21 12:55	
SC-FB-2105030940	A1E0219-01	VI21051115.D	05/11/21 12:55	
SC-RB-2105030901	A1E0219-02	VI21051116.D	05/11/21 12:55	
SC-TB-2105031045	A1E0219-03	VI21051117.D	05/11/21 12:55	

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

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050350-BLK1	File ID:	VI21051105.D
Prepared:	05/11/21 10:00	Preparation:	EPA 1311/5030B TCLP Vola	Initial/Final:	5 mL / 5 mL
Analyzed:	05/11/21 13:24	Instrument:	VOA-GCMS9		
Batch:	1050350	Sequence:	1E11044	Calibration:	A1E1107

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

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	50.8	102	80 - 120	
Toluene-d8 (Surr)	50.0	50.4	101	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.7	103	80 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	119543	6.138	120573	6.138	
Chlorobenzene-d5 (ISTD)	318212	9.843	336928	9.843	
1,4-Dichlorobenzene-d4 (ISTD)	139544	11.795	169541	11.796	

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050350	Laboratory ID:	1050350-BS1
Preparation:	EPA 1311/5030B TCLP Volatiles	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Benzene	20.0	19.3	96	80 - 120
Toluene	20.0	19.5	97	80 - 120
Ethylbenzene	20.0	19.8	99	80 - 120
m,p-Xylene	40.0	40.5	101	80 - 120
o-Xylene	20.0	20.9	104	80 - 120
Chlorobenzene	20.0	20.2	101	80 - 120
1,1-Dichloroethene	20.0	20.3	102	80 - 120
cis-1,2-Dichloroethene	20.0	21.1	105	80 - 120
Tetrachloroethene (PCE)	20.0	19.9	100	80 - 120
Trichloroethene (TCE)	20.0	20.9	104	80 - 120
Vinyl chloride	20.0	20.3	102	80 - 120

* = Values outside of QC limits

DUPLICATES

EPA 8260D

SC-TB-2105031045

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Water
Batch: 1050350
Preparation: EPA 1311/5030B TCLP Volatiles
Source Sample Name: SC-TB-2105031045

SDG: A1E0219
Project: US Moorings -- C2, C3, C4
Laboratory ID: 1050350-DUP1
Lab Source ID: A1E0219-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/L)	C	DUPLICATE CONCENTRATION (ug/L)	C	RPD %	Q	METHOD
Benzene	30	0.00		ND				EPA 8260D
Toluene	30	0.00		ND				EPA 8260D
Ethylbenzene	30	0.00		ND				EPA 8260D
m,p-Xylene	30	0.00		ND				EPA 8260D
o-Xylene	30	0.00		ND				EPA 8260D
Chlorobenzene	30	0.00		ND				EPA 8260D
1,1-Dichloroethene	30	0.00		ND				EPA 8260D
cis-1,2-Dichloroethene	30	0.00		ND				EPA 8260D
Tetrachloroethene (PCE)	30	0.00		ND				EPA 8260D
Trichloroethene (TCE)	30	0.00		ND				EPA 8260D
Vinyl chloride	30	0.00		ND				EPA 8260D

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10062	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A1E1107

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E10062-TUN1	VI21051003.D	05/10/21 16:08
Initial Cal Blank	1E10062-ICB1	VI21051004.D	05/10/21 16:36
Cal Standard	1E10062-CAL1	VI21051005.D	05/10/21 17:04
Cal Standard	1E10062-CAL2	VI21051006.D	05/10/21 17:31
Cal Standard	1E10062-CAL3	VI21051007.D	05/10/21 17:58
Cal Standard	1E10062-CAL4	VI21051008.D	05/10/21 18:26
Cal Standard	1E10062-CAL5	VI21051009.D	05/10/21 18:54
Cal Standard	1E10062-CAL6	VI21051010.D	05/10/21 19:21
Cal Standard	1E10062-CAL7	VI21051011.D	05/10/21 19:50
Cal Standard	1E10062-CAL8	VI21051012.D	05/10/21 20:18
Cal Standard	1E10062-CAL9	VI21051013.D	05/10/21 20:47
Cal Standard	1E10062-CALA	VI21051015.D	05/10/21 21:44
Cal Standard	1E10062-CALB	VI21051017.D	05/10/21 22:39
Initial Cal Check	1E10062-ICV1	VI21051020.D	05/11/21 00:03

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E11044	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A1E1107

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E11044-TUN1	VI21051102.D	05/11/21 12:01
Calibration Check	1E11044-CCV1	VI21051103.D	05/11/21 12:29
Blank	1050350-BLK1	VI21051105.D	05/11/21 13:24
SC-FB-2105030940	A1E0219-01	VI21051115.D	05/11/21 18:04
SC-RB-2105030901	A1E0219-02	VI21051116.D	05/11/21 18:31
SC-TB-2105031045	A1E0219-03	VI21051117.D	05/11/21 18:58
SC-TB-2105031045 (Dup)	1050350-DUP1	VI21051118.D	05/11/21 19:26

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VI21051003.D	Injection Date:	05/10/21
Instrument ID:	VOA-GCMS9	Injection Time:	16:08
Sequence:	1E10062	Lab Sample ID:	1E10062-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	113.19	PASS
m/z 96	5 - 9% of m/z 95	6.66	PASS
m/z 173	Less than 2% of m/z 174	0.00	PASS
m/z 174	50 - 200% of m/z 95	88.34	PASS
m/z 175	5 - 9% of m/z 174	7.11	PASS
m/z 176	95 - 105% of m/z 174	96.73	PASS
m/z 177	5 - 10% of m/z 176	6.65	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VI21051102.D	Injection Date:	05/11/21
Instrument ID:	VOA-GCMS9	Injection Time:	12:01
Sequence:	1E11044	Lab Sample ID:	1E11044-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	121.02	PASS
m/z 96	5 - 9% of m/z 95	6.97	PASS
m/z 173	Less than 2% of m/z 174	0.00	PASS
m/z 174	50 - 200% of m/z 95	82.63	PASS
m/z 175	5 - 9% of m/z 174	7.31	PASS
m/z 176	95 - 105% of m/z 174	96.96	PASS
m/z 177	5 - 10% of m/z 176	6.46	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8260D

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1E1107 Date: 05/11/21 15:42 Instrument: VOA-GCMS9

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Benzene	3.772605	Ave	10.68913	6.046636	6.489142E-02			20	
Toluene	1.382805	Ave	4.142264	8.270273	5.161319E-02			20	
Ethylbenzene	1.428932	Ave	2.911045	9.882818	2.641656E-02			20	
m,p-Xylene	1.061165	Ave	5.465702	10.01955	2.170476E-02			20	
o-Xylene	1.042966	Ave	7.842795	10.40309	2.510789E-02			20	
Chlorobenzene	0.8738082	Ave	4.40134	9.861	1.958276E-02			20	
1,1-Dichloroethene	1.188914	Ave	3.859809	3.1834	0.1315677			20	
cis-1,2-Dichloroethene	1.130097	Ave	9.838616	5.1731	8.146946E-02			20	
Tetrachloroethene (PCE)	0.3429703	Ave	5.083478	8.717	1.904601E-02			20	
Trichloroethene (TCE)	0.9095143	Ave	7.417592	6.666333	5.520641E-02			20	
Vinyl chloride	0.8491085	Ave	3.528695	1.9637	0.2366247			20	
1,4-Difluorobenzene (Surr)	3.088718	Ave	0.8970707	6.701909	4.295498E-02			20	
Toluene-d8 (Surr)	1.319831	Ave	1.636238	8.212	1.148365E-02			20	
4-Bromofluorobenzene (Surr)	0.8354473	Ave	3.962028	10.91309	1.676073E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1E1107
Instrument: VOA-GCMS9
Calibration Date: 05/11/21 15:42

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	0.1	4.882175	0.2	4.051256	0.4	3.737734	1	3.534414	2	3.624405	5	3.712411
Toluene	0.1	1.458109	0.2	1.490898	0.4	1.411004	1	1.349502	2	1.382533	5	1.39211
Ethylbenzene	0.1	1.408533	0.2	1.459257	0.4	1.369515	1	1.438658	2	1.492536	5	1.452398
m,p-Xylene	0.2	1.084833	0.4	1.091618	0.8	0.9403607	2	0.9931767	4	1.03007	10	1.084732
o-Xylene	0.1	0.8646584	0.2	1.015528	0.4	0.9501774	1	1.018543	2	1.052164	5	1.069022
Xylenes, total	0.3	1.011441	0.6	1.066254	1.2	0.9436329	3	1.001632	6	1.037435	15	1.079496
Chlorobenzene	0.1	~~0.7538421~~	0.2	0.8286952	0.4	0.8164487	1	0.8624442	2	0.9237073	5	0.9103436
1,1-Dichloroethene	0.1	~~0.4552145~~	0.2	1.146619	0.4	1.140555	1	1.172992	2	1.180928	5	1.215731
cis-1,2-Dichloroethene	0.1	~~0~~	0.2	0.8516623	0.4	1.083527	1	1.089065	2	1.15799	5	1.197816
Tetrachloroethene (PCE)	0.1	~~0.2464203~~	0.2	0.3638725	0.4	0.3189484	1	0.3351615	2	0.343705	5	0.3478865
Trichloroethene (TCE)	0.1	~~0~~	0.2	~~0.5195921~~	0.4	0.7771239	1	0.8780611	2	0.8993631	5	0.9175343
Vinyl chloride	0.1	~~0.4817687~~	0.2	0.7989217	0.4	0.8351183	1	0.8349103	2	0.8609418	5	0.8945115
1,4-Difluorobenzene (Surr)	50	3.069982	50	3.055507	50	3.06848	50	3.071773	50	3.081201	50	3.078183
Toluene-d8 (Surr)	50	1.341489	50	1.336592	50	1.347312	50	1.331094	50	1.319631	50	1.333082
4-Bromofluorobenzene (Surr)	50	0.8723004	50	0.8717518	50	0.8709682	50	0.8596387	50	0.8595294	50	0.8377223

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1E1107
Instrument: VOA-GCMS9
Matrix:
Calibration Date: 05/11/21 15:42

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	10	3.54851	20	3.390918	50	3.628776	100	3.644487	200	3.74357		
Toluene	10	1.330011	20	1.286283	50	1.359575	100	1.356558	200	1.39427		
Ethylbenzene	10	1.391711	20	1.361943	50	1.439731	100	1.433358	200	1.470609		
m,p-Xylene	20	1.05022	40	1.041581	100	1.102811	200	1.109603	400	1.14381		
o-Xylene	10	1.053914	20	1.054249	50	1.118098	100	1.124233	200	1.152036		
Xylenes, total	30	1.051451	60	1.045804	150	1.107907	300	1.11448	600	1.146552		
Chlorobenzene	10	0.8649375	20	0.833134	50	0.8978092	100	0.8875922	200	0.9129701		
1,1-Dichloroethene	10	1.18353	20	1.122739	50	1.238859	100	1.222308	200	1.264882		
cis-1,2-Dichloroethene	10	1.170277	20	1.109278	50	1.190756	100	1.20708	200	1.243521		
Tetrachloroethene (PCE)	10	0.325446	20	0.3235459	50	0.3493435	100	0.3493135	200	0.3724803		
Trichloroethene (TCE)	10	0.9081733	20	0.8702357	50	0.9517843	100	0.9705259	200	1.012827		
Vinyl chloride	10	0.8671028	20	0.8078875	50	0.8767537	100	0.8616659	200	0.8532719		
1,4-Difluorobenzene (Surr)	50	3.115937	50	3.064124	50	3.109419	50	3.124791	50	3.1365		
Toluene-d8 (Surr)	50	1.316854	50	1.318023	50	1.305716	50	1.291307	50	1.277041		
4-Bromofluorobenzene (Surr)	50	0.82446	50	0.8033814	50	0.8072114	50	0.795699	50	0.7872582		

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	VOA-GCMS9	Calibration:	A1E1107
Lab File ID:	VI21051020.D		
Sequence:	1E10062	Inject Date:	05/11/21
Lab Sample ID:	1E10062-ICV1	Inject Time:	00:03

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Benzene	20.0	17.7	-11.6	70 - 130
Toluene	20.0	17.9	-10.3	70 - 130
Ethylbenzene	20.0	18.0	-10.1	70 - 130
m,p-Xylene	40.0	37.0	-7.5	70 - 130
o-Xylene	20.0	19.3	-3.3	70 - 130
Chlorobenzene	20.0	18.8	-5.8	70 - 130
1,1-Dichloroethene	20.0	18.2	-9.2	70 - 130
cis-1,2-Dichloroethene	20.0	19.3	-3.5	70 - 130
Tetrachloroethene (PCE)	20.0	17.6	-12.0	70 - 130
Trichloroethene (TCE)	20.0	19.0	-5.2	70 - 130
Vinyl chloride	20.0	19.8	-0.8	70 - 130

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10062	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A1E1107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1E10062-ICV1)				Lab File ID: VI21051020.D		Analyzed: 05/11/21 00:03		
1,4-Difluorobenzene (Surr)	50.0	101	70 - 130	6.698	6.701909	-0.0039	+/-1.0	
Toluene-d8 (Surr)	50.0	99	70 - 130	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	98	70 - 130	10.913	10.91309	-0.0001	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Sequence: 1E11044
Instrument: VOA-GCMS9
Matrix: Water
Calibration: A1E1107

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (1050350-BS1)			Lab File ID: VI21051103.D		Analyzed: 05/11/21 12:29			
1,4-Difluorobenzene (Surr)	50.0	103	80 - 120	6.704	6.701909	0.0021	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	96	80 - 120	10.913	10.91309	-0.0001	+/-1.0	
Blank (1050350-BLK1)			Lab File ID: VI21051105.D		Analyzed: 05/11/21 13:24			
1,4-Difluorobenzene (Surr)	50.0	102	80 - 120	6.704	6.701909	0.0021	+/-1.0	
Toluene-d8 (Surr)	50.0	101	80 - 120	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	103	80 - 120	10.913	10.91309	-0.0001	+/-1.0	
SC-FB-2105030940 (A1E0219-01)			Lab File ID: VI21051115.D		Analyzed: 05/11/21 18:04			
1,4-Difluorobenzene (Surr)	50.0	103	80 - 120	6.697	6.701909	-0.0049	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	103	80 - 120	10.913	10.91309	-0.0001	+/-1.0	
SC-RB-2105030901 (A1E0219-02)			Lab File ID: VI21051116.D		Analyzed: 05/11/21 18:31			
1,4-Difluorobenzene (Surr)	50.0	102	80 - 120	6.703	6.701909	0.0011	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	104	80 - 120	10.913	10.91309	-0.0001	+/-1.0	
SC-TB-2105031045 (A1E0219-03)			Lab File ID: VI21051117.D		Analyzed: 05/11/21 18:58			
1,4-Difluorobenzene (Surr)	50.0	102	80 - 120	6.703	6.701909	0.0011	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	105	80 - 120	10.913	10.91309	-0.0001	+/-1.0	
Duplicate (1050350-DUP1)			Lab File ID: VI21051118.D		Analyzed: 05/11/21 19:26			
1,4-Difluorobenzene (Surr)	50.0	103	80 - 120	6.703	6.701909	0.0011	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.212	8.212	0.0000	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	104	80 - 120	10.913	10.91309	-0.0001	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E11044	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A1E1107

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (1050350-BS1)			Lab File ID: VI21051103.D			Analyzed: 05/11/21 12:29			
Pentafluorobenzene (ISTD)	120573	6.138	120573	6.138	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	336928	9.843	336928	9.843	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	169541	11.796	169541	11.796	100	50 - 200	0.0000	+/-0.50	
Calibration Check (1E11044-CCV1)			Lab File ID: VI21051103.D			Analyzed: 05/11/21 12:29			
Pentafluorobenzene (ISTD)	120573	6.138	132602	6.138	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	336928	9.843	355336	9.843	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	169541	11.796	179037	11.796	95	50 - 200	0.0000	+/-0.50	
Blank (1050350-BLK1)			Lab File ID: VI21051105.D			Analyzed: 05/11/21 13:24			
Pentafluorobenzene (ISTD)	119543	6.138	120573	6.138	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	318212	9.843	336928	9.843	94	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	139544	11.795	169541	11.796	82	50 - 200	-0.0010	+/-0.50	
Matrix Spike (1050350-MS1)			Lab File ID: VI21051110.D			Analyzed: 05/11/21 15:43			
Pentafluorobenzene (ISTD)	115205	6.138	120573	6.138	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	320493	9.843	336928	9.843	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	164843	11.796	169541	11.796	97	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (1050350-MSD1)			Lab File ID: VI21051111.D			Analyzed: 05/11/21 16:11			
Pentafluorobenzene (ISTD)	113870	6.138	120573	6.138	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	320796	9.843	336928	9.843	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	162994	11.796	169541	11.796	96	50 - 200	0.0000	+/-0.50	
SC-FB-2105030940 (A1E0219-01)			Lab File ID: VI21051115.D			Analyzed: 05/11/21 18:04			
Pentafluorobenzene (ISTD)	113794	6.138	120573	6.138	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	312430	9.843	336928	9.843	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	137584	11.795	169541	11.796	81	50 - 200	-0.0010	+/-0.50	
SC-RB-2105030901 (A1E0219-02)			Lab File ID: VI21051116.D			Analyzed: 05/11/21 18:31			
Pentafluorobenzene (ISTD)	113699	6.138	120573	6.138	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	306638	9.843	336928	9.843	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	132288	11.795	169541	11.796	78	50 - 200	-0.0010	+/-0.50	
SC-TB-2105031045 (A1E0219-03)			Lab File ID: VI21051117.D			Analyzed: 05/11/21 18:58			
Pentafluorobenzene (ISTD)	109857	6.138	120573	6.138	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	299332	9.843	336928	9.843	89	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	129246	11.795	169541	11.796	76	50 - 200	-0.0010	+/-0.50	
Duplicate (1050350-DUP1)			Lab File ID: VI21051118.D			Analyzed: 05/11/21 19:26			
Pentafluorobenzene (ISTD)	111037	6.138	120573	6.138	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	304754	9.843	336928	9.843	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	131573	11.795	169541	11.796	78	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E11044	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A1E1107

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (1050350-DUP2)			Lab File ID: VI21051127.D			Analyzed: 05/11/21 23:35			
Pentafluorobenzene (ISTD)	103861	6.138	120573	6.138	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	288003	9.843	336928	9.843	85	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	124220	11.796	169541	11.796	73	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY

EPA 8260D

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/11/21 12:55	8.14	14.00	05/11/21 18:04	8.35	14.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/11/21 12:55	8.16	14.00	05/11/21 18:31	8.40	14.00	
SC-TB-2105031045	05/03/21 10:45	05/04/21 10:45	05/11/21 12:55	8.09	14.00	05/11/21 18:58	8.34	14.00	

Apex Laboratories

SDG: A1E0219

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

Analyte	MDL	MRL	Units
Aroclor 1016	0.0200	0.0400	ug/L
Aroclor 1221	0.0200	0.0400	ug/L
Aroclor 1232	0.0200	0.0400	ug/L
Aroclor 1242	0.0200	0.0400	ug/L
Aroclor 1248	0.0200	0.0400	ug/L
Aroclor 1254	0.0200	0.0400	ug/L
Aroclor 1260	0.0200	0.0400	ug/L
Aroclor 1262	0.0200	0.0400	ug/L
Aroclor 1268	0.0200	0.0400	ug/L

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

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

SC-FB-2105030940

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-01	File ID:	ECD2R007.D
Sampled:	05/03/21 09:40	Prepared:	05/14/21 09:51	Analyzed:	05/14/21 18:32
		Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1030 mL / 2 mL

Batch: 1050502 Sequence: 1E14046 Calibration: A1D0703 Instrument: DUALECD2R

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
12674-11-2	Aroclor 1016	1	0.0194	U
11104-28-2	Aroclor 1221	1	0.0194	U
11141-16-5	Aroclor 1232	1	0.0194	U
53469-21-9	Aroclor 1242	1	0.0194	U
12672-29-6	Aroclor 1248	1	0.0194	U
11097-69-1	Aroclor 1254	1	0.0194	U
11096-82-5	Aroclor 1260	1	0.0194	U
37324-23-5	Aroclor 1262	1	0.0194	U
11100-14-4	Aroclor 1268	1	0.0194	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	0.485	0.378	78	40 - 135	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

SC-RB-2105030901

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-02	File ID:	ECD2R008.D
Sampled:	05/03/21 09:00	Prepared:	05/14/21 09:51	Analyzed:	05/14/21 18:50
		Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1070 mL / 2 mL

Batch: 1050502 Sequence: 1E14046 Calibration: A1D0703 Instrument: DUALECD2R

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
12674-11-2	Aroclor 1016	1	0.0187	U
11104-28-2	Aroclor 1221	1	0.0187	U
11141-16-5	Aroclor 1232	1	0.0187	U
53469-21-9	Aroclor 1242	1	0.0187	U
12672-29-6	Aroclor 1248	1	0.0187	U
11097-69-1	Aroclor 1254	1	0.0187	U
11096-82-5	Aroclor 1260	1	0.0187	U
37324-23-5	Aroclor 1262	1	0.0187	U
11100-14-4	Aroclor 1268	1	0.0187	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	0.467	0.301	65	40 - 135	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050502 Batch Matrix: Water Preparation: EPA 3510C (Neutral pH)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050502-BLK1	ECD2R004.D	05/14/21 09:51	
LCS	1050502-BS1	ECD2R005.D	05/14/21 09:51	
LCS Dup	1050502-BSD1	ECD2R006.D	05/14/21 09:51	
SC-FB-2105030940	A1E0219-01	ECD2R007.D	05/14/21 09:51	
SC-RB-2105030901	A1E0219-02	ECD2R008.D	05/14/21 09:51	

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

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050502-BLK1	File ID:	ECD2R004.D
Prepared:	05/14/21 09:51	Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1100 mL / 2 mL
Analyzed:	05/14/21 17:38	Instrument:	DUALECD2R		
Batch:	1050502	Sequence:	1E14046	Calibration:	A1D0703

CAS NO.	COMPOUND	CONC. (ug/L)	Q
12674-11-2	Aroclor 1016	0.0182	U
11104-28-2	Aroclor 1221	0.0182	U
11141-16-5	Aroclor 1232	0.0182	U
53469-21-9	Aroclor 1242	0.0182	U
12672-29-6	Aroclor 1248	0.0182	U
11097-69-1	Aroclor 1254	0.0182	U
11096-82-5	Aroclor 1260	0.0182	U
37324-23-5	Aroclor 1262	0.0182	U
11100-14-4	Aroclor 1268	0.0182	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	0.455	0.361	79	40 - 135	

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050502	Laboratory ID:	1050502-BS1
Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1000 mL / 2 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	2.50	1.71	69	46 - 129
Aroclor 1260	2.50	2.04	81	45 - 134

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050502	Laboratory ID:	1050502-BSD1
Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1000 mL / 2 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	
Aroclor 1016	2.50	1.72	69	0.3	30	46 - 129
Aroclor 1260	2.50	2.14	86	5	30	45 - 134

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1D06062	Instrument:	DUALECD2R
Matrix:	Water	Calibration:	A1D0703

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1D06062-ICB1	ECD2R003.D	04/06/21 15:11
Cal Standard	1D06062-CAL1	ECD2R004.D	04/06/21 15:28
Cal Standard	1D06062-CAL2	ECD2R005.D	04/06/21 15:46
Cal Standard	1D06062-CAL3	ECD2R006.D	04/06/21 16:04
Cal Standard	1D06062-CAL4	ECD2R007.D	04/06/21 16:21
Cal Standard	1D06062-CAL5	ECD2R008.D	04/06/21 16:39
Cal Standard	1D06062-CAL6	ECD2R009.D	04/06/21 16:57
Cal Standard	1D06062-CAL7	ECD2R010.D	04/06/21 17:14
Initial Cal Check	1D06062-ICV1	ECD2R012.D	04/06/21 17:49
Cal Standard	1D06062-CAL8	ECD2R013.D	04/06/21 18:07
Cal Standard	1D06062-CAL9	ECD2R014.D	04/06/21 18:25
Cal Standard	1D06062-CALA	ECD2R015.D	04/06/21 18:42
Cal Standard	1D06062-CALB	ECD2R016.D	04/06/21 19:00
Cal Standard	1D06062-CALC	ECD2R017.D	04/06/21 19:18
Cal Standard	1D06062-CALD	ECD2R018.D	04/06/21 19:35
Cal Standard	1D06062-CALE	ECD2R019.D	04/06/21 19:53
Initial Cal Check	1D06062-ICV2	ECD2R020.D	04/06/21 20:10
Initial Cal Check	1D06062-ICV3	ECD2R021.D	04/06/21 20:28
Initial Cal Check	1D06062-ICV4	ECD2R022.D	04/06/21 20:46
Initial Cal Check	1D06062-ICV5	ECD2R023.D	04/06/21 21:03

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E14046	Instrument:	DUALECD2R
Matrix:	Water	Calibration:	A1D0703

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E14046-CCV1	ECD2R002.D	05/14/21 16:52
Calibration Blank	1E14046-CCB1	ECD2R003.D	05/14/21 17:10
Blank	1050502-BLK1	ECD2R004.D	05/14/21 17:38
LCS	1050502-BS1	ECD2R005.D	05/14/21 17:56
LCS Dup	1050502-BSD1	ECD2R006.D	05/14/21 18:14
SC-FB-2105030940	A1E0219-01	ECD2R007.D	05/14/21 18:32
SC-RB-2105030901	A1E0219-02	ECD2R008.D	05/14/21 18:50
Calibration Check	1E14046-CCV2	ECD2R009.D	05/14/21 19:07
Calibration Blank	1E14046-CCB2	ECD2R010.D	05/14/21 19:25

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

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1D0703 Date: 04/07/21 15:58 Instrument: DUALECD2R

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	34826.92	Ave	5.36179	10.59829	8.831879E-04			20	

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

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1D0703
Instrument: DUALECD2R
Calibration Date: 04/07/21 15:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	20	2476.4	50	2276.54	100	2096.41	200	2004.285	500	1956.12	1000	1901.39
1016 (2)	20	3826.6	50	3753.14	100	3535.09	200	3570.46	500	3601.392	1000	3474.212
1016 (3)	20	1840.45	50	1763.5	100	1641.36	200	1636.965	500	1560.104	1000	1621.468
1016 (4)	20	2059.1	50	1888.18	100	1701.43	200	1684.055	500	1557.268	1000	1540.927
1016 (5)	20	2258.5	50	2143.66	100	1941.95	200	1860.53	500	1750.884	1000	1699.394
1016 (6)	20	2192.65	50	2110.46	100	1898.94	200	1856.675	500	1772.792	1000	1750.979
Aroclor 1016	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
1260 (1)	20	4348.05	50	3950.16	100	3719.44	200	3635.005	500	3662.746	1000	3715.911
1260 (2)	20	5130.65	50	4989.02	100	4557.68	200	4540.26	500	4425.82	1000	4401.655
1260 (3)	20	4785.05	50	4887.4	100	4496.11	200	4682.645	500	4594.466	1000	4546.951
1260 (4)	20	7730.45	50	7454.48	100	7247.09	200	7577.785	500	7124.222	1000	7623.477
1260 (5)	20	4647	50	4433.96	100	4164.85	200	4271.145	500	4318.314	1000	4326.339
1260 (6)	20	2168.85	50	1749.2	100	1603.83	200	1618.365	500	1552.144	1000	1572.029
Aroclor 1260	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
Decachlorobiphenyl (Surr)	10	33419.2	25	34449.04	50	33665.4	100	34338.6	250	33237.93	500	36323.66

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1D0703
Instrument: DUALECD2R
Matrix:
Calibration Date: 04/07/21 15:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	1500	1949.361										
1016 (2)	1500	3778.861										
1016 (3)	1500	1693.785										
1016 (4)	1500	1606.966										
1016 (5)	1500	1804.839										
1016 (6)	1500	1789.197										
Aroclor 1016	1500	0										
1254 (1)											500	3253.046
1254 (2)											500	5203.92
1254 (3)											500	5330.918
1254 (4)											500	4043.934
1254 (5)											500	4148.034
1254 (6)											500	1197.724
Aroclor 1254											500	0
1260 (1)	1500	3815.709										
1260 (2)	1500	4751.005										
1260 (3)	1500	4618.735										
1260 (4)	1500	7919.62										
1260 (5)	1500	4394.019										
1260 (6)	1500	1650.016										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	38354.63			200	0	200	0	200	0	200	0

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1D0703
Instrument: DUALECD2R
Matrix:
Calibration Date: 04/07/21 15:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1262 (1)	500	3965.938										
1262 (2)	500	5705.44										
1262 (3)	500	4613.104										
1262 (4)	500	9506.756										
1262 (5)	500	5746.358										
1262 (6)	500	2535.876										
Decachlorobiphenyl (Surr)	200	~~0~~	200	~~0~~								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R012.D		
Sequence:	1D06062	Inject Date:	04/06/21
Lab Sample ID:	1D06062-ICV1	Inject Time:	17:49

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	488	-2.3	70 - 130
Aroclor 1260	500	504	0.7	70 - 130
Decachlorobiphenyl (Surr)	200	195	-2.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R020.D		
Sequence:	1D06062	Inject Date:	04/06/21
Lab Sample ID:	1D06062-ICV2	Inject Time:	20:10

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	983	-1.7	70 - 130
Aroclor 1254	500	494	-1.3	70 - 130
Decachlorobiphenyl (Surr)	80.0	89.1	11.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R021.D		
Sequence:	1D06062	Inject Date:	04/06/21
Lab Sample ID:	1D06062-ICV3	Inject Time:	20:28

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	526	5.2	70 - 130
Aroclor 1262	500	452	-9.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	90.7	13.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R022.D		
Sequence:	1D06062	Inject Date:	04/06/21
Lab Sample ID:	1D06062-ICV4	Inject Time:	20:46

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	504	0.8	70 - 130
Aroclor 1268	500	496	-0.8	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R023.D		
Sequence:	1D06062	Inject Date:	04/06/21
Lab Sample ID:	1D06062-ICV5	Inject Time:	21:03

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	521	4.1	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R002.D	Calibration Date:	04/07/21 15:58
Sequence:	1E14046	Injection Date:	05/14/21
Lab Sample ID:	1E14046-CCV1	Injection Time:	16:52

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	417				-16.6	20
Aroclor 1260	Ave	500	489				-2.2	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD2R	Calibration:	A1D0703
Lab File ID:	ECD2R009.D	Calibration Date:	04/07/21 15:58
Sequence:	1E14046	Injection Date:	05/14/21
Lab Sample ID:	1E14046-CCV2	Injection Time:	19:07

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	426				-14.9	20
Aroclor 1260	Ave	500	507				1.5	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1D06062	Instrument:	DUALECD2R
Matrix:	Water	Calibration:	A1D0703

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1D06062-ICV1)			Lab File ID: ECD2R012.D		Analyzed: 04/06/21 17:49			
Decachlorobiphenyl (Surr)	200	97	70 - 130	10.598	10.59829	-0.0003	+/-1.0	
Initial Cal Check (1D06062-ICV2)			Lab File ID: ECD2R020.D		Analyzed: 04/06/21 20:10			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	10.598	10.59829	-0.0003	+/-1.0	
Initial Cal Check (1D06062-ICV3)			Lab File ID: ECD2R021.D		Analyzed: 04/06/21 20:28			
Decachlorobiphenyl (Surr)	80.0	113	70 - 130	10.599	10.59829	0.0007	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E14046	Instrument:	DUALECD2R
Matrix:	Water	Calibration:	A1D0703

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14046-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 05/14/21 16:52			
Decachlorobiphenyl (Surr)	250	95	80 - 120	10.599	10.59829	0.0007	+/-1.0	
Calibration Blank (1E14046-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 05/14/21 17:10			
Decachlorobiphenyl (Surr)	100	94	40 - 135	10.597	10.59829	-0.0013	+/-1.0	
Blank (1050502-BLK1)			Lab File ID: ECD2R004.D		Analyzed: 05/14/21 17:38			
Decachlorobiphenyl (Surr)	0.455	79	40 - 135	10.599	10.59829	0.0007	+/-1.0	
LCS (1050502-BS1)			Lab File ID: ECD2R005.D		Analyzed: 05/14/21 17:56			
Decachlorobiphenyl (Surr)	0.500	82	40 - 135	10.596	10.59829	-0.0023	+/-1.0	
LCS Dup (1050502-BSD1)			Lab File ID: ECD2R006.D		Analyzed: 05/14/21 18:14			
Decachlorobiphenyl (Surr)	0.500	74	40 - 135	10.597	10.59829	-0.0013	+/-1.0	
SC-FB-2105030940 (A1E0219-01)			Lab File ID: ECD2R007.D		Analyzed: 05/14/21 18:32			
Decachlorobiphenyl (Surr)	0.485	78	40 - 135	10.595	10.59829	-0.0033	+/-1.0	
SC-RB-2105030901 (A1E0219-02)			Lab File ID: ECD2R008.D		Analyzed: 05/14/21 18:50			
Decachlorobiphenyl (Surr)	0.467	65	40 - 135	10.595	10.59829	-0.0033	+/-1.0	
Calibration Check (1E14046-CCV2)			Lab File ID: ECD2R009.D		Analyzed: 05/14/21 19:07			
Decachlorobiphenyl (Surr)	250	102	80 - 120	10.597	10.59829	-0.0013	+/-1.0	
Calibration Blank (1E14046-CCB2)			Lab File ID: ECD2R010.D		Analyzed: 05/14/21 19:25			
Decachlorobiphenyl (Surr)	100	96	40 - 135	10.596	10.59829	-0.0023	+/-1.0	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/14/21 09:51	11.01	365.00	05/14/21 18:32	0.36	40.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/14/21 09:51	11.04	365.00	05/14/21 18:50	0.37	40.00	

Apex Laboratories

SDG: A1E0219

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

Analyte	MDL	MRL	Units
2,4'-DDD [2C]	0.00500	0.0100	ug/L
2,4'-DDE [2C]	0.00500	0.0100	ug/L
2,4'-DDT [2C]	0.00500	0.0100	ug/L
4,4'-DDD [2C]	0.00500	0.0100	ug/L
4,4'-DDE [2C]	0.00500	0.0100	ug/L
4,4'-DDT [2C]	0.00500	0.0100	ug/L

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

SC-FB-2105030940

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-01	File ID:	ECD8-05102139.D
Sampled:	05/03/21 09:40	Prepared:	05/10/21 07:27	Analyzed:	05/10/21 19:55
		Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1020 mL / 5 mL

Batch: 1050274 Sequence: 1E10032 Calibration: A1B2503 Instrument: DUALECD8

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	1	0.00490	U
3424-82-6	2,4'-DDE [2C]	1	0.00490	U
789-02-6	2,4'-DDT [2C]	1	0.00490	U
72-54-8	4,4'-DDD [2C]	1	0.00490	U
72-55-9	4,4'-DDE [2C]	1	0.00490	U
50-29-3	4,4'-DDT [2C]	1	0.00490	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.490	0.328	67	25 - 140	
Decachlorobiphenyl (Surr)	0.490	0.482	98	30 - 135	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

SC-RB-2105030901

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-02RE1	File ID:	ECD3-05142123.D
Sampled:	05/03/21 09:00	Prepared:	05/12/21 07:32	Analyzed:	05/14/21 19:14
		Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1060 mL / 5 mL

Batch: 1050384 Sequence: 1E14010 Calibration: A1C0405 Instrument: DUALECD3

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	1	0.00472	U
3424-82-6	2,4'-DDE [2C]	1	0.00472	U
789-02-6	2,4'-DDT [2C]	1	0.00472	U
72-54-8	4,4'-DDD [2C]	1	0.00472	U
72-55-9	4,4'-DDE [2C]	1	0.00472	U
50-29-3	4,4'-DDT [2C]	1	0.00472	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.472	0.338	72	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.472	0.372	79	30 - 135	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050274 Batch Matrix: Water Preparation: EPA 3510C (Neutral pH)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050274-BLK1	ECD8-05102136.D	05/10/21 07:27	
LCS	1050274-BS1	ECD8-05102137.D	05/10/21 07:27	
LCS Dup	1050274-BSD1	ECD8-05102138.D	05/10/21 07:27	
SC-FB-2105030940	A1E0219-01	ECD8-05102139.D	05/10/21 07:27	

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

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050384 Batch Matrix: Water Preparation: EPA 3510C (Neutral pH)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050384-BLK1	ECD3-05142117.D	05/12/21 07:32	
LCS	1050384-BS1	ECD3-05142118.D	05/12/21 07:32	
LCS Dup	1050384-BSD1	ECD3-05142122.D	05/12/21 07:32	
SC-RB-2105030901	A1E0219-02RE1	ECD3-05142123.D	05/12/21 07:32	

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

METHOD BLANK DATA SHEET
EPA 8081B

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050274-BLK1	File ID:	ECD8-05102136.D
Prepared:	05/10/21 07:27	Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1100 mL / 5 mL
Analyzed:	05/10/21 19:06	Instrument:	DUALECD8		
Batch:	1050274	Sequence:	1E10032	Calibration:	A1B2503

CAS NO.	COMPOUND	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	0.00455	U
3424-82-6	2,4'-DDE [2C]	0.00455	U
789-02-6	2,4'-DDT [2C]	0.00455	U
72-54-8	4,4'-DDD [2C]	0.00455	U
72-55-9	4,4'-DDE [2C]	0.00455	U
50-29-3	4,4'-DDT [2C]	0.00455	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.455	0.268	59	25 - 140	
Decachlorobiphenyl (Surr)	0.455	0.401	88	30 - 135	

METHOD BLANK DATA SHEET
EPA 8081B

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050384-BLK1	File ID:	ECD3-05142117.D
Prepared:	05/12/21 07:32	Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1100 mL / 5 mL
Analyzed:	05/14/21 17:30	Instrument:	DUALECD3		
Batch:	1050384	Sequence:	1E14010	Calibration:	A1C0405

CAS NO.	COMPOUND	CONC. (ug/L)	Q
53-19-0	2,4'-DDD [2C]	0.00455	U
3424-82-6	2,4'-DDE [2C]	0.00455	U
789-02-6	2,4'-DDT [2C]	0.00455	U
72-54-8	4,4'-DDD [2C]	0.00455	U
72-55-9	4,4'-DDE [2C]	0.00455	U
50-29-3	4,4'-DDT [2C]	0.00455	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	0.455	0.288	63	25 - 140	
Decachlorobiphenyl (Surr) [2C]	0.455	0.368	81	30 - 135	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050274	Laboratory ID:	1050274-BS1
Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	0.250	0.225	90	67 - 142
2,4'-DDE [2C]	0.250	0.197	79	63 - 135
2,4'-DDT [2C]	0.250	0.242	97	76 - 156
4,4'-DDD [2C]	0.250	0.223	89	56 - 143
4,4'-DDE [2C]	0.250	0.214	86	57 - 135
4,4'-DDT [2C]	0.250	0.256	102	51 - 143

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050274	Laboratory ID:	1050274-BSD1
Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS
2,4'-DDD [2C]	0.250	0.187	75	19	30	67 - 142
2,4'-DDE [2C]	0.250	0.163	65	19	30	63 - 135
2,4'-DDT [2C]	0.250	0.194	78	22	30	76 - 156
4,4'-DDD [2C]	0.250	0.176	71	23	30	56 - 143
4,4'-DDE [2C]	0.250	0.174	70	21	30	57 - 135
4,4'-DDT [2C]	0.250	0.218	87	16	30	51 - 143

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050384	Laboratory ID:	1050384-BS1
Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	0.250	0.267	107	67 - 142
2,4'-DDE [2C]	0.250	0.230	92	63 - 135
2,4'-DDT [2C]	0.250	0.336	134	76 - 156
4,4'-DDD [2C]	0.250	0.282	113	56 - 143
4,4'-DDE [2C]	0.250	0.238	95	57 - 135
4,4'-DDT [2C]	0.250	0.334	134	51 - 143

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050384	Laboratory ID:	1050384-BSD1
Preparation:	EPA 3510C (Neutral pH)	Initial/Final:	1000 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS
2,4'-DDD [2C]	0.250	0.207	83	25	30	67 - 142
2,4'-DDE [2C]	0.250	0.185	74	22	30	63 - 135
2,4'-DDT [2C]	0.250	0.262	105	25	30	76 - 156
4,4'-DDD [2C]	0.250	0.213	85	28	30	56 - 143
4,4'-DDE [2C]	0.250	0.185	74	25	30	57 - 135
4,4'-DDT [2C]	0.250	0.253	101	28	30	51 - 143

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1B22071	Instrument:	DUALECD8
Matrix:	Water	Calibration:	A1B2503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1B22071-ICB1	ECD8-02222105.D	02/22/21 19:27
Cal Standard	1B22071-CAL3	ECD8-02222108.D	02/22/21 20:15
Cal Standard	1B22071-CAL4	ECD8-02222109.D	02/22/21 20:32
Cal Standard	1B22071-CAL5	ECD8-02222110.D	02/22/21 20:48
Cal Standard	1B22071-CAL6	ECD8-02222111.D	02/22/21 21:04
Cal Standard	1B22071-CAL7	ECD8-02222112.D	02/22/21 21:20
Cal Standard	1B22071-CAL8	ECD8-02222113.D	02/22/21 21:37
Cal Standard	1B22071-CAL9	ECD8-02222114.D	02/22/21 21:53
Initial Cal Check	1B22071-ICV1	ECD8-02222116.D	02/22/21 22:25
Cal Standard	1B22071-CALB	ECD8-02222118.D	02/22/21 22:57
Cal Standard	1B22071-CALC	ECD8-02222119.D	02/22/21 23:14
Cal Standard	1B22071-CALD	ECD8-02222120.D	02/22/21 23:30
Cal Standard	1B22071-CALE	ECD8-02222121.D	02/22/21 23:46
Cal Standard	1B22071-CALF	ECD8-02222122.D	02/23/21 00:02
Cal Standard	1B22071-CALG	ECD8-02222123.D	02/23/21 00:18
Cal Standard	1B22071-CALH	ECD8-02222124.D	02/23/21 00:35
Cal Standard	1B22071-CALI	ECD8-02222125.D	02/23/21 00:51
Initial Cal Check	1B22071-ICV2	ECD8-02222127.D	02/23/21 01:23

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1B25056	Instrument:	DUALECD8
Matrix:	Water	Calibration:	A1B2503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1B25056-ICB1	ECD8-02222149.D	02/25/21 14:50
Cal Standard	1B25056-CAL1	ECD8-02222150.D	02/25/21 14:50
Cal Standard	1B25056-CAL2	ECD8-02222151.D	02/25/21 14:50
Cal Standard	1B25056-CAL3	ECD8-02222152.D	02/25/21 14:50

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1C03049	Instrument:	DUALECD3
Matrix:	Water	Calibration:	A1C0405

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	1C03049-ICB1	ECD3-03032105.D	03/03/21 13:23
Cal Standard	1C03049-CAL1	ECD3-03032106.D	03/03/21 13:40
Cal Standard	1C03049-CAL2	ECD3-03032107.D	03/03/21 13:58
Cal Standard	1C03049-CAL3	ECD3-03032108.D	03/03/21 14:15
Cal Standard	1C03049-CAL4	ECD3-03032109.D	03/03/21 14:32
Cal Standard	1C03049-CAL5	ECD3-03032110.D	03/03/21 14:49
Cal Standard	1C03049-CAL6	ECD3-03032111.D	03/03/21 15:07
Cal Standard	1C03049-CAL7	ECD3-03032112.D	03/03/21 15:24
Cal Standard	1C03049-CAL8	ECD3-03032113.D	03/03/21 15:41
Cal Standard	1C03049-CAL9	ECD3-03032114.D	03/03/21 15:58
Initial Cal Check	1C03049-ICV1	ECD3-03032116.D	03/03/21 16:33
Cal Standard	1C03049-CALA	ECD3-03032117.D	03/03/21 16:50
Cal Standard	1C03049-CALB	ECD3-03032118.D	03/03/21 17:07
Cal Standard	1C03049-CALC	ECD3-03032119.D	03/03/21 17:25
Cal Standard	1C03049-CALD	ECD3-03032120.D	03/03/21 17:42
Cal Standard	1C03049-CALE	ECD3-03032121.D	03/03/21 17:59
Cal Standard	1C03049-CALF	ECD3-03032122.D	03/03/21 18:16
Cal Standard	1C03049-CALG	ECD3-03032123.D	03/03/21 18:33
Cal Standard	1C03049-CALH	ECD3-03032124.D	03/03/21 18:51
Cal Standard	1C03049-CALI	ECD3-03032125.D	03/03/21 19:08
Initial Cal Check	1C03049-ICV2	ECD3-03032127.D	03/03/21 19:42

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10032	Instrument:	DUALECD8
Matrix:	Water	Calibration:	A1B2503

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E10032-CCV9	ECD8-05102133.D	05/10/21 18:17
Calibration Check	1E10032-CCVA	ECD8-05102134.D	05/10/21 18:33
Calibration Blank	1E10032-CCB4	ECD8-05102135.D	05/10/21 18:50
Blank	1050274-BLK1	ECD8-05102136.D	05/10/21 19:06
LCS	1050274-BS1	ECD8-05102137.D	05/10/21 19:22
LCS Dup	1050274-BSD1	ECD8-05102138.D	05/10/21 19:39
SC-FB-2105030940	A1E0219-01	ECD8-05102139.D	05/10/21 19:55
Calibration Check	1E10032-CCVB	ECD8-05102141.D	05/10/21 20:28
Calibration Check	1E10032-CCVC	ECD8-05102142.D	05/10/21 20:44
Calibration Blank	1E10032-CCB5	ECD8-05102143.D	05/10/21 21:00

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E14010	Instrument:	DUALECD3
Matrix:	Water	Calibration:	A1C0405

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E14010-CCV1	ECD3-05142104.D	05/14/21 13:36
Calibration Check	1E14010-CCV2	ECD3-05142105.D	05/14/21 13:54
Calibration Blank	1E14010-CCB1	ECD3-05142106.D	05/14/21 14:11
Blank	1050384-BLK1	ECD3-05142117.D	05/14/21 17:30
LCS	1050384-BS1	ECD3-05142118.D	05/14/21 17:47
Calibration Check	1E14010-CCV3	ECD3-05142119.D	05/14/21 18:04
Calibration Check	1E14010-CCV4	ECD3-05142120.D	05/14/21 18:22
Calibration Blank	1E14010-CCB2	ECD3-05142121.D	05/14/21 18:39
LCS Dup	1050384-BSD1	ECD3-05142122.D	05/14/21 18:57
SC-RB-2105030901	A1E0219-02RE1	ECD3-05142123.D	05/14/21 19:14
Calibration Check	1E14010-CCV5	ECD3-05142138.D	05/14/21 23:56
Calibration Check	1E14010-CCV6	ECD3-05142139.D	05/15/21 00:13
Calibration Blank	1E14010-CCB3	ECD3-05142140.D	05/15/21 00:30

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

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1B2503 Date: 02/25/21 15:38 Instrument: DUALECD8

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Decachlorobiphenyl (Surr)	2218318	XXX	19.36265	9.911222	2.004503E-02				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1B2503
Instrument: DUALECD8
Calibration Date: 02/25/21 15:38

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	3138816	1	2575075							2	2602299
4,4'-DDD [2C]	0.5	3092794	1	2541451							2	2607763
4,4'-DDE	0.5	4199550	1	3407128							2	3287186
4,4'-DDE [2C]	0.5	3831882	1	3205556							2	3176504
4,4'-DDT	0.5	2560234	1	2143263							2	2329894
4,4'-DDT [2C]	0.5	2670290	1	2175483							2	2201436
2,4,5,6-TCMX (Surr)	0.5	3511356	1	3089516							2	3285470
2,4,5,6-TCMX (Surr) [2C]	0.5	3721154	1	3171759							2	3238124
Decachlorobiphenyl (Surr)	0.5	3108786	1	2655464							2	2431337
Decachlorobiphenyl (Surr) [2C]	0.5	2334812	1	1991701							2	1960878

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1B2503
Instrument: DUALECD8
Matrix:
Calibration Date: 02/25/21 15:38

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	5	2594366	10	2691737	25	2676469	50	2655244	100	2702592	200	2722209
4,4'-DDD [2C]	5	2510704	10	2702861	25	2814035	50	2971374	100	3063072	200	3124119
4,4'-DDE	5	3228698	10	3439059	25	3385397	50	3362634	100	3381896	200	3297370
4,4'-DDE [2C]	5	3228072	10	3379726	25	3542476	50	3601200	100	3846072	200	3820022
4,4'-DDT	5	2301706	10	2435281	25	2445290	50	2527872	100	2705870	200	2613916
4,4'-DDT [2C]	5	2275730	10	2392851	25	2534126	50	2684846	100	3018593	200	3008016
2,4,5,6-TCMX (Surr)	5	3191330	10	3204682	25	3184058	50	3068492	100	3157713	200	3164445
2,4,5,6-TCMX (Surr) [2C]	5	3155084	10	3262864	25	3309923	50	3361232	100	3581295	200	3835515
Decachlorobiphenyl (Surr)	5	1987464	10	2064799	25	2040035	50	1889194	100	1991503	200	1796284
Decachlorobiphenyl (Surr) [2C]	5	1622621	10	1728505	25	1824376	50	1715490	100	1818966	200	1707952

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1B2503
Instrument: DUALECD8
Matrix:
Calibration Date: 02/25/21 15:38

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	1	2270647	2	1842032	5	2018036	10	1728780	25	1798602	50	1750887
2,4'-DDD [2C]	1	2566323	2	1940464	5	2010208	10	1755197	25	1945545	50	1898289
2,4'-DDE	1	2600936	2	2201103	5	2368764	10	2072871	25	2129515	50	2106580
2,4'-DDE [2C]	1	2527723	2	2199526	5	2286092	10	2066671	25	2239969	50	2283572
2,4'-DDT	1	2238924	2	1930136	5	2076044	10	1864705	25	1932452	50	2009206
2,4'-DDT [2C]	1	2378708	2	1901685	5	2048688	10	1796933	25	2029472	50	2100800

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1C0405 Date: 03/04/21 15:45 Instrument: DUALECD3

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Decachlorobiphenyl (Surr)	139173.6	XXX	11.98022	9.751667	9.219878E-03				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1C0405
Instrument: DUALECD3
Calibration Date: 03/04/21 15:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	246042	1	207531	2	192131.5	5	178169.8	10	178306.4	25	173719.3
4,4'-DDD [2C]	0.5	142076	1	121812	2	112428	5	102785.6	10	104127.4	25	100031.9
4,4'-DDE	0.5	276078	1	241007	2	226758.5	5	211534	10	210540.3	25	205081.9
4,4'-DDE [2C]	0.5	169360	1	145975	2	137086.5	5	129173.4	10	128224	25	126214.6
4,4'-DDT	0.5	162948	1	144756	2	137950.5	5	131972.8	10	134861.5	25	133073
4,4'-DDT [2C]	0.5	86892	1	74671	2	72067	5	69573.6	10	69645.6	25	70773
2,4,5,6-TCMX (Surr)	0.5	244810	1	228762	2	220249	5	203418.8	10	197633.6	25	191465
2,4,5,6-TCMX (Surr) [2C]	0.5	158644	1	149822	2	143431.5	5	129273.8	10	126482.1	25	122625.7
Decachlorobiphenyl (Surr)	0.5	168830	1	160913	2	150716.5	5	134219.2	10	129870.7	25	126314.4
Decachlorobiphenyl (Surr) [2C]	0.5	96772	1	94242	2	80923.5	5	72341	10	70376.2	25	66459.36

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1C0405
Instrument: DUALECD3
Matrix:
Calibration Date: 03/04/21 15:45

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD							0.5	154898	1	153422	2	142985
2,4'-DDD [2C]							0.5	109282	1	95066	2	87012.5
2,4'-DDE							0.5	168812	1	166850	2	151918.5
2,4'-DDE [2C]							0.5	104000	1	104204	2	95190.5
2,4'-DDT							0.5	104262	1	114198	2	107636.5
2,4'-DDT [2C]							0.5	64774	1	63363	2	58583
4,4'-DDD	50	179873	100	175272	200	180887.4						
4,4'-DDD [2C]	50	103129.7	100	102309.8	200	100812						
4,4'-DDE	50	209503	100	209237.3	200	210122.6						
4,4'-DDE [2C]	50	128189.6	100	122278.3	200	119034.8						
4,4'-DDT	50	147858.2	100	152662	200	158048.8						
4,4'-DDT [2C]	50	77919.08	100	81602.73	200	83131.55						
2,4,5,6-TCMX (Surr)	50	191630.9	100	192209.7	200	191180.3						
2,4,5,6-TCMX (Surr) [2C]	50	121076.1	100	117356	200	115197.9						
Decachlorobiphenyl (Surr)	50	127811.9	100	122822.5	200	131064.6						
Decachlorobiphenyl (Surr) [2C]	50	67787.56	100	67601.1	200	66194.7						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1C0405
Instrument: DUALECD3
Matrix:
Calibration Date: 03/04/21 15:45

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	5	138878.4	10	127813.9	25	126893.2	50	126276.1	100	126196.9	200	128442.8
2,4'-DDD [2C]	5	83398.6	10	77062.3	25	77043.4	50	75941.5	100	74665.84	200	77493.45
2,4'-DDE	5	151823	10	136984.9	25	135929.3	50	135293.8	100	133358.9	200	137790.7
2,4'-DDE [2C]	5	94092.6	10	86026.6	25	85377.32	50	88110.56	100	85321.52	200	83910.5
2,4'-DDT	5	107904.8	10	102143.5	25	113030.1	50	121040.8	100	124628.8	200	130164.5
2,4'-DDT [2C]	5	57946.8	10	55825.1	25	62794.12	50	67184.32	100	69179.82	200	71562.1

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD8	Calibration:	A1B2503
Lab File ID:	ECD8-02222116.D		
Sequence:	1B22071	Inject Date:	02/22/21
Lab Sample ID:	1B22071-ICV1	Inject Time:	22:25

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	52.6	5.2	70 - 130
4,4'-DDD [2C]	50.0	55.0	10.0	70 - 130
4,4'-DDE	50.0	50.8	1.7	70 - 130
4,4'-DDE [2C]	50.0	54.8	9.5	70 - 130
4,4'-DDT	50.0	55.1	10.1	70 - 130
4,4'-DDT [2C]	50.0	56.3	12.5	70 - 130
2,4,5,6-TCMX (Surr)	50.0	53.3	6.6	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	54.8	9.7	70 - 130
Decachlorobiphenyl (Surr)	50.0	48.2	-3.6	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	50.0	0.08	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD8	Calibration:	A1B2503
Lab File ID:	ECD8-02222127.D		
Sequence:	1B22071	Inject Date:	02/23/21
Lab Sample ID:	1B22071-ICV2	Inject Time:	01:23

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	46.2	-7.5	70 - 130
2,4'-DDD [2C]	50.0	48.8	-2.4	70 - 130
2,4'-DDE	50.0	46.5	-6.9	70 - 130
2,4'-DDE [2C]	50.0	49.5	-1.0	70 - 130
2,4'-DDT	50.0	49.3	-1.5	70 - 130
2,4'-DDT [2C]	50.0	49.6	-0.7	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-03032116.D		
Sequence:	1C03049	Inject Date:	03/03/21
Lab Sample ID:	1C03049-ICV1	Inject Time:	16:33

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	54.0	8.0	70 - 130
4,4'-DDD [2C]	50.0	53.8	7.6	70 - 130
4,4'-DDE	50.0	52.8	5.7	70 - 130
4,4'-DDE [2C]	50.0	53.8	7.5	70 - 130
4,4'-DDT	50.0	52.6	5.3	70 - 130
4,4'-DDT [2C]	50.0	54.1	8.2	70 - 130
2,4,5,6-TCMX (Surr)	50.0	50.9	1.8	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	52.6	5.1	70 - 130
Decachlorobiphenyl (Surr)	50.0	52.3	4.7	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	51.9	3.7	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-03032127.D		
Sequence:	1C03049	Inject Date:	03/03/21
Lab Sample ID:	1C03049-ICV2	Inject Time:	19:42

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	47.2	-5.6	70 - 130
2,4'-DDD [2C]	50.0	50.3	0.7	70 - 130
2,4'-DDE	50.0	46.6	-6.9	70 - 130
2,4'-DDE [2C]	50.0	46.4	-7.1	70 - 130
2,4'-DDT	50.0	53.6	7.2	70 - 130
2,4'-DDT [2C]	50.0	54.0	7.9	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD8	Calibration:	A1B2503
Lab File ID:	ECD8-05102133.D	Calibration Date:	02/25/21 15:38
Sequence:	1E10032	Injection Date:	05/10/21
Lab Sample ID:	1E10032-CCV9	Injection Time:	18:17

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	46.7		2706534	2525738	-6.7	20
4,4'-DDD [2C]	Ave	50.0	50.6		2825353	2857584	1.1	20
4,4'-DDE	Ave	50.0	45.6		3443213	3138670	-8.8	20
4,4'-DDE [2C]	Ave	50.0	49.6		3514612	3487700	-0.8	20
4,4'-DDT	Ave	50.0	52.2		2451481	2561688	4.5	20
4,4'-DDT [2C]	XXX	50.0	55.0	10.0				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD8	Calibration:	A1B2503
Lab File ID:	ECD8-05102134.D	Calibration Date:	02/25/21 15:38
Sequence:	1E10032	Injection Date:	05/10/21
Lab Sample ID:	1E10032-CCVA	Injection Time:	18:33

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	42.4		1894860	1606140	-15.2	20
2,4'-DDD [2C]	XXX	50.0	47.0	-5.9				20
2,4'-DDE	Ave	50.0	41.2		2234928	1841400	-17.6	20
2,4'-DDE [2C]	Ave	50.0	43.9		2324457	2040422	-12.2	20
2,4'-DDT	Ave	50.0	48.8		2016936	1969735	-2.3	20
2,4'-DDT [2C]	Ave	50.0	49.6		2104233	2085348	-0.9	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD8	Calibration:	A1B2503
Lab File ID:	ECD8-05102141.D	Calibration Date:	02/25/21 15:38
Sequence:	1E10032	Injection Date:	05/10/21
Lab Sample ID:	1E10032-CCVB	Injection Time:	20:28

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	87.8		2706534	2377064	-12.2	20
4,4'-DDD [2C]	Ave	100	101		2825353	2842760	0.6	20
4,4'-DDE	Ave	100	87.3		3443213	3006576	-12.7	20
4,4'-DDE [2C]	Ave	100	98.6		3514612	3466204	-1.4	20
4,4'-DDT	Ave	100	98.3		2451481	2408927	-1.7	20
4,4'-DDT [2C]	XXX	100	99.1	-0.9				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD8	Calibration:	A1B2503
Lab File ID:	ECD8-05102142.D	Calibration Date:	02/25/21 15:38
Sequence:	1E10032	Injection Date:	05/10/21
Lab Sample ID:	1E10032-CCVC	Injection Time:	20:44

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	85.2		1894860	1613429	-14.9	20
2,4'-DDD [2C]	XXX	100	93.0	-7.0				20
2,4'-DDE	Ave	100	83.7		2234928	1869771	-16.3	20
2,4'-DDE [2C]	Ave	100	94.7		2324457	2202092	-5.3	20
2,4'-DDT	Ave	100	98.1		2016936	1977824	-1.9	20
2,4'-DDT [2C]	Ave	100	107		2104233	2255500	7.2	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-05142104.D	Calibration Date:	03/04/21 15:45
Sequence:	1E14010	Injection Date:	05/14/21
Lab Sample ID:	1E14010-CCV1	Injection Time:	13:36

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	XXX	50.0	53.8	7.5				20
4,4'-DDD [2C]	XXX	50.0	55.6	11.2				20
4,4'-DDE	XXX	50.0	49.1	-1.7				20
4,4'-DDE [2C]	XXX	50.0	51.9	3.8				20
4,4'-DDT	Ave	50.0	46.1		144903.4	104493.7	-27.9*	20
4,4'-DDT [2C]	Ave	50.0	47.7		76252.84	60792.4	-20.3*	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-05142105.D	Calibration Date:	03/04/21 15:45
Sequence:	1E14010	Injection Date:	05/14/21
Lab Sample ID:	1E14010-CCV2	Injection Time:	13:54

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	49.5		136200.7	99879.78	-26.7*	20
2,4'-DDD [2C]	XXX	50.0	51.5	3.0				20
2,4'-DDE	Ave	50.0	47.5		146529	112182.4	-23.4*	20
2,4'-DDE [2C]	Ave	50.0	48.1		91803.73	68631.28	-25.2*	20
2,4'-DDT	Ave	50.0	46.6		113889.9	78269.38	-31.3*	20
2,4'-DDT [2C]	Ave	50.0	48.2		63468.03	47814.66	-24.7*	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-05142119.D	Calibration Date:	03/04/21 15:45
Sequence:	1E14010	Injection Date:	05/14/21
Lab Sample ID:	1E14010-CCV3	Injection Time:	18:04

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	XXX	100	120	20.4 *				20
4,4'-DDD [2C]	XXX	100	120	19.9				20
4,4'-DDE	XXX	100	103	2.8				20
4,4'-DDE [2C]	XXX	100	106	6.5				20
4,4'-DDT	Ave	100	117		144903.4	132304.4	-8.7	20
4,4'-DDT [2C]	Ave	100	127		76252.84	80641.3	5.8	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-05142120.D	Calibration Date:	03/04/21 15:45
Sequence:	1E14010	Injection Date:	05/14/21
Lab Sample ID:	1E14010-CCV4	Injection Time:	18:22

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	112		136200.7	115839.9	-14.9	20
2,4'-DDD [2C]	XXX	100	112	12.1				20
2,4'-DDE	Ave	100	102		146529	121522.4	-17.1	20
2,4'-DDE [2C]	Ave	100	104		91803.73	74783.12	-18.5	20
2,4'-DDT	Ave	100	112		113889.9	99745.53	-12.4	20
2,4'-DDT [2C]	Ave	100	114		63468.03	60133.6	-5.3	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-05142138.D	Calibration Date:	03/04/21 15:45
Sequence:	1E14010	Injection Date:	05/14/21
Lab Sample ID:	1E14010-CCV5	Injection Time:	23:56

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	XXX	50.0	61.3	22.7 *				20
4,4'-DDD [2C]	XXX	50.0	60.8	21.5 *				20
4,4'-DDE	XXX	50.0	51.7	3.4				20
4,4'-DDE [2C]	XXX	50.0	53.4	6.7				20
4,4'-DDT	Ave	50.0	51.8		144903.4	117313	-19.0	20
4,4'-DDT [2C]	Ave	50.0	54.3		76252.84	69116.18	-9.4	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A1C0405
Lab File ID:	ECD3-05142139.D	Calibration Date:	03/04/21 15:45
Sequence:	1E14010	Injection Date:	05/15/21
Lab Sample ID:	1E14010-CCV6	Injection Time:	00:13

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	54.2		136200.7	109557	-19.6	20
2,4'-DDD [2C]	XXX	50.0	58.4	16.9				20
2,4'-DDE	Ave	50.0	49.5		146529	116955.8	-20.2*	20
2,4'-DDE [2C]	Ave	50.0	52.3		91803.73	74649.38	-18.7	20
2,4'-DDT	Ave	50.0	53.2		113889.9	89736.74	-21.2*	20
2,4'-DDT [2C]	Ave	50.0	54.8		63468.03	54681.3	-13.8	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1B22071	Instrument:	DUALECD8
Matrix:	Water	Calibration:	A1B2503

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1B22071-ICV1)				Lab File ID: ECD8-02222116.D		Analyzed: 02/22/21 22:25		
2,4,5,6-TCMX (Surr)	50.0	107	70 - 130	5.675	5.675667	-0.0007	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	110	70 - 130	6.055	6.055	0.0000	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	96	70 - 130	9.916	9.911222	0.0048	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	70 - 130	10.612	10.60622	0.0058	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1C03049	Instrument:	DUALECD3
Matrix:	Water	Calibration:	A1C0405

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1C03049-ICV1)				Lab File ID: ECD3-03032116.D		Analyzed: 03/03/21 16:33		
2,4,5,6-TCMX (Surr)	50.0	102	70 - 130	5.534	5.534333	-0.0003	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	105	70 - 130	5.915	5.915	0.0000	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	105	70 - 130	9.751	9.751667	-0.0007	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	104	70 - 130	10.432	10.433	-0.0010	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10032	Instrument:	DUALECD8
Matrix:	Water	Calibration:	A1B2503

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E10032-CCV9)			Lab File ID: ECD8-05102133.D		Analyzed: 05/10/21 18:17			
2,4,5,6-TCMX (Surr)	50.0	94	80 - 120	5.482	5.675667	-0.1937	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	86	80 - 120	5.799	6.055	-0.2560	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	113	80 - 120	9.712	9.911222	-0.1992	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	129	80 - 120	10.297	10.60622	-0.3092	+/-1.0	*
Calibration Blank (1E10032-CCB4)			Lab File ID: ECD8-05102135.D		Analyzed: 05/10/21 18:50			
2,4,5,6-TCMX (Surr) [2C]	100	89	25 - 140	5.799	6.055	-0.2560	+/-1.0	
Decachlorobiphenyl (Surr)	100	111	30 - 135	9.71	9.911222	-0.2012	+/-1.0	
Blank (1050274-BLK1)			Lab File ID: ECD8-05102136.D		Analyzed: 05/10/21 19:06			
2,4,5,6-TCMX (Surr) [2C]	0.455	59	25 - 140	5.799	6.055	-0.2560	+/-1.0	
Decachlorobiphenyl (Surr)	0.455	88	30 - 135	9.709	9.911222	-0.2022	+/-1.0	
LCS (1050274-BS1)			Lab File ID: ECD8-05102137.D		Analyzed: 05/10/21 19:22			
2,4,5,6-TCMX (Surr) [2C]	0.500	65	25 - 140	5.798	6.055	-0.2570	+/-1.0	
Decachlorobiphenyl (Surr)	0.500	94	30 - 135	9.708	9.911222	-0.2032	+/-1.0	
LCS Dup (1050274-BSD1)			Lab File ID: ECD8-05102138.D		Analyzed: 05/10/21 19:39			
2,4,5,6-TCMX (Surr) [2C]	0.500	61	25 - 140	5.798	6.055	-0.2570	+/-1.0	
Decachlorobiphenyl (Surr)	0.500	100	30 - 135	9.708	9.911222	-0.2032	+/-1.0	
SC-FB-2105030940 (A1E0219-01)			Lab File ID: ECD8-05102139.D		Analyzed: 05/10/21 19:55			
2,4,5,6-TCMX (Surr) [2C]	0.490	67	25 - 140	5.798	6.055	-0.2570	+/-1.0	
Decachlorobiphenyl (Surr)	0.490	98	30 - 135	9.708	9.911222	-0.2032	+/-1.0	
Calibration Check (1E10032-CCVB)			Lab File ID: ECD8-05102141.D		Analyzed: 05/10/21 20:28			
2,4,5,6-TCMX (Surr)	100	86	80 - 120	5.482	5.675667	-0.1937	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	84	80 - 120	5.799	6.055	-0.2560	+/-1.0	
Decachlorobiphenyl (Surr)	100	108	80 - 120	9.71	9.911222	-0.2012	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	118	80 - 120	10.296	10.60622	-0.3102	+/-1.0	
Calibration Blank (1E10032-CCB5)			Lab File ID: ECD8-05102143.D		Analyzed: 05/10/21 21:00			
2,4,5,6-TCMX (Surr) [2C]	100	84	25 - 140	5.798	6.055	-0.2570	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	128	30 - 135	10.295	10.60622	-0.3112	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E14010	Instrument:	DUALECD3
Matrix:	Water	Calibration:	A1C0405

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E14010-CCV1)				Lab File ID: ECD3-05142104.D		Analyzed: 05/14/21 13:36		
2,4,5,6-TCMX (Surr)	50.0	97	80 - 120	5.48	5.534333	-0.0543	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	100	80 - 120	5.826	5.915	-0.0890	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	96	80 - 120	9.676	9.751667	-0.0757	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	80 - 120	10.316	10.433	-0.1170	+/-1.0	
Calibration Blank (1E14010-CCB1)				Lab File ID: ECD3-05142106.D		Analyzed: 05/14/21 14:11		
2,4,5,6-TCMX (Surr) [2C]	100	97	42 - 129	5.826	5.915	-0.0890	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	55 - 130	10.316	10.433	-0.1170	+/-1.0	
Blank (1050384-BLK1)				Lab File ID: ECD3-05142117.D		Analyzed: 05/14/21 17:30		
2,4,5,6-TCMX (Surr) [2C]	0.455	63	25 - 140	5.825	5.915	-0.0900	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.455	81	30 - 135	10.314	10.433	-0.1190	+/-1.0	
LCS (1050384-BS1)				Lab File ID: ECD3-05142118.D		Analyzed: 05/14/21 17:47		
2,4,5,6-TCMX (Surr) [2C]	0.500	82	25 - 140	5.825	5.915	-0.0900	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	92	30 - 135	10.314	10.433	-0.1190	+/-1.0	
Calibration Check (1E14010-CCV3)				Lab File ID: ECD3-05142119.D		Analyzed: 05/14/21 18:04		
2,4,5,6-TCMX (Surr)	100	101	80 - 120	5.481	5.534333	-0.0533	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	102	80 - 120	5.826	5.915	-0.0890	+/-1.0	
Decachlorobiphenyl (Surr)	100	98	80 - 120	9.676	9.751667	-0.0757	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	106	80 - 120	10.315	10.433	-0.1180	+/-1.0	
Calibration Blank (1E14010-CCB2)				Lab File ID: ECD3-05142121.D		Analyzed: 05/14/21 18:39		
2,4,5,6-TCMX (Surr) [2C]	100	102	42 - 129	5.825	5.915	-0.0900	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	107	55 - 130	10.314	10.433	-0.1190	+/-1.0	
LCS Dup (1050384-BSD1)				Lab File ID: ECD3-05142122.D		Analyzed: 05/14/21 18:57		
2,4,5,6-TCMX (Surr) [2C]	0.500	66	25 - 140	5.825	5.915	-0.0900	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.500	68	30 - 135	10.314	10.433	-0.1190	+/-1.0	
SC-RB-2105030901 (A1E0219-02RE1)				Lab File ID: ECD3-05142123.D		Analyzed: 05/14/21 19:14		
2,4,5,6-TCMX (Surr) [2C]	0.472	72	25 - 140	5.825	5.915	-0.0900	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	0.472	79	30 - 135	10.314	10.433	-0.1190	+/-1.0	
Calibration Check (1E14010-CCV5)				Lab File ID: ECD3-05142138.D		Analyzed: 05/14/21 23:56		
2,4,5,6-TCMX (Surr)	50.0	102	80 - 120	5.478	5.534333	-0.0563	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	99	80 - 120	5.822	5.915	-0.0930	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	104	80 - 120	9.672	9.751667	-0.0797	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	114	80 - 120	10.308	10.433	-0.1250	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E14010	Instrument:	DUALECD3
Matrix:	Water	Calibration:	A1C0405

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Blank (1E14010-CCB3)			Lab File ID: ECD3-05142140.D		Analyzed: 05/15/21 00:30			
2,4,5,6-TCMX (Surr) [2C]	100	104	42 - 129	5.82	5.915	-0.0950	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	109	55 - 130	10.308	10.433	-0.1250	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/10/21 07:27	6.91	7.00	05/10/21 19:55	0.52	40.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/12/21 07:32	8.94	7.00	05/14/21 19:14	2.49	40.00	*

Apex Laboratories

SDG: A1E0219

CLASS: GCMS

METHOD: EPA 8270E

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270E

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

Analyte	MDL	MRL	Units
Pentachlorophenol (PCP)	0.100	0.200	ug/L

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

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

SC-FB-2105030940

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-01	File ID:	J05102107.D
Sampled:	05/03/21 09:40	Prepared:	05/10/21 07:24	Analyzed:	05/10/21 13:07
		Preparation:	EPA 3510C (Acid Extraction	Initial/Final:	1070 mL / 1 mL

Batch: 1050273 Sequence: 1E10040 Calibration: A1C2507 Instrument: SV-GCMS10

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
87-86-5	Pentachlorophenol (PCP)	1	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	4.67	2.04	44	43 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Phenanthrene-d10 (ISTD)	1231966	11.26	1208788	11.265	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

SC-RB-2105030901

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A1E0219-02RE1	File ID:	J05102109.D
Sampled:	05/03/21 09:00	Prepared:	05/10/21 07:24	Analyzed:	05/10/21 14:20
		Preparation:	EPA 3510C (Acid Extraction	Initial/Final:	1070 mL / 1 mL

Batch:	1050273	Sequence:	1E10040	Calibration:	A1C2507	Instrument:	SV-GCMS10

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
87-86-5	Pentachlorophenol (PCP)	1	0.0935	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	4.67	2.84	61	43 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Phenanthrene-d10 (ISTD)	1241895	11.26	1208788	11.265	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050273
Batch Matrix: Water
Preparation: EPA 3510C (Acid Extraction)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050273-BLK1	J05102104.D	05/10/21 07:24	
LCS	1050273-BS1	J05102105.D	05/10/21 07:24	
LCS Dup	1050273-BSD1	J05102106.D	05/10/21 07:24	
SC-FB-2105030940	A1E0219-01	J05102107.D	05/10/21 07:24	
SC-RB-2105030901	A1E0219-02RE1	J05102109.D	05/10/21 07:24	

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

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050273-BLK1	File ID:	J05102104.D
Prepared:	05/10/21 07:24	Preparation:	EPA 3510C (Acid Extraction	Initial/Final:	1100 mL / 1 mL
Analyzed:	05/10/21 11:20	Instrument:	SV-GCMS10		
Batch:	1050273	Sequence:	1E10040	Calibration:	A1C2507

CAS NO.	COMPOUND	CONC. (ug/L)	Q
87-86-5	Pentachlorophenol (PCP)	0.0909	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	4.55	3.62	80	43 - 140	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Phenanthrene-d10 (ISTD)	1242135	11.26	1208788	11.265	

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050273	Laboratory ID:	1050273-BS1
Preparation:	EPA 3510C (Acid Extraction)	Initial/Final:	1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Pentachlorophenol (PCP)	4.00	3.12	78	35 - 138

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050273	Laboratory ID:	1050273-BSD1
Preparation:	EPA 3510C (Acid Extraction)	Initial/Final:	1000 mL / 1 mL

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	
Pentachlorophenol (PCP)	4.00	3.31	83	6	30	35 - 138

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1C24070	Instrument:	SV-GCMS10
Matrix:	Water	Calibration:	A1C2507

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1C24070-TUN1	J03242113.D	03/24/21 20:14
Initial Cal Blank	1C24070-ICB1	J03242114.D	03/24/21 20:42
Cal Standard	1C24070-CAL1	J03242115.D	03/24/21 21:18
Cal Standard	1C24070-CAL2	J03242116.D	03/24/21 21:54
Cal Standard	1C24070-CAL3	J03242117.D	03/24/21 22:29
Cal Standard	1C24070-CAL4	J03242118.D	03/24/21 23:05
Cal Standard	1C24070-CAL5	J03242119.D	03/24/21 23:40
Cal Standard	1C24070-CAL6	J03242120.D	03/25/21 00:16
Cal Standard	1C24070-CAL7	J03242121.D	03/25/21 00:52
Cal Standard	1C24070-CAL8	J03242122.D	03/25/21 01:27
Cal Standard	1C24070-CAL9	J03242123.D	03/25/21 02:03
Cal Standard	1C24070-CALA	J03242124.D	03/25/21 02:38
Initial Cal Check	1C24070-ICV1	J03242126.D	03/25/21 03:49

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10040	Instrument:	SV-GCMS10
Matrix:	Water	Calibration:	A1C2507

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E10040-TUN1	J05102101.D	05/10/21 08:19
Calibration Check	1E10040-CCV1	J05102102.D	05/10/21 08:46
Calibration Blank	1E10040-CCB1	J05102103.D	05/10/21 09:21
Blank	1050273-BLK1	J05102104.D	05/10/21 11:20
LCS	1050273-BS1	J05102105.D	05/10/21 11:56
LCS Dup	1050273-BSD1	J05102106.D	05/10/21 12:31
SC-FB-2105030940	A1E0219-01	J05102107.D	05/10/21 13:07
SC-RB-2105030901	A1E0219-02RE1	J05102109.D	05/10/21 14:20

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	J03242113.D	Injection Date:	03/24/21
Instrument ID:	SV-GCMS10	Injection Time:	20:14
Sequence:	1C24070	Lab Sample ID:	1C24070-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.49	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.56	PASS
m/z 197	Less than 2% of m/z 198	0.21	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.90	PASS
m/z 365	1 - 100% of m/z 198	2.88	PASS
m/z 441	Less than 150% of m/z 443	71.22	PASS
m/z 442	0.1 - 200% of m/z 198	78.71	PASS
m/z 443	15 - 24% of m/z 442	20.04	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	J05102101.D	Injection Date:	05/10/21
Instrument ID:	SV-GCMS10	Injection Time:	08:19
Sequence:	1E10040	Lab Sample ID:	1E10040-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.46	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.59	PASS
m/z 197	Less than 2% of m/z 198	0.01	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.90	PASS
m/z 365	1 - 100% of m/z 198	2.84	PASS
m/z 441	Less than 150% of m/z 443	75.40	PASS
m/z 442	0.1 - 200% of m/z 198	72.09	PASS
m/z 443	15 - 24% of m/z 442	19.74	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270E

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1C2507 Date: 03/25/21 16:35 Instrument: SV-GCMS10

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Pentachlorophenol (PCP)	0.101176	XXX	34.37115	11.16	0.0418372				
2,4,6-Tribromophenol (Surr)	9.927748E-02	Ave	11.29943	10.64044	6.588123E-02			20	

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

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1C2507
Instrument: SV-GCMS10
Calibration Date: 03/25/21 16:35

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Pentachlorophenol (PCP)	20	~~4.751072E-02~~	50	3.579586E-02	100	5.852274E-02	200	8.340582E-02	500	9.978118E-02	1000	0.1224023
2,4,6-Tribromophenol (Surr)	20	~~6.425259E-02~~	50	7.703152E-02	100	0.0856385	200	9.765808E-02	500	0.1016944	1000	0.1086109

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A1C2507	Instrument:	SV-GCMS10
Matrix:		Calibration Date:	03/25/21 16:35

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Pentachlorophenol (PCP)	2000	0.1261382	4000	0.1290966	6000	0.1282358	8000	0.1272058				
2,4,6-Tribromophenol (Surr)	2000	0.1110186	4000	0.1079048	6000	0.1032823	8000	0.1006582				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	SV-GCMS10	Calibration:	A1C2507
Lab File ID:	J03242126.D		
Sequence:	1C24070	Inject Date:	03/25/21
Lab Sample ID:	1C24070-ICV1	Inject Time:	03:49

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Pentachlorophenol (PCP)	1000	1130	13.4	70 - 130
2,4,6-Tribromophenol (Surr)	1000	1090	9.3	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	SV-GCMS10	Calibration:	A1C2507
Lab File ID:	J05102102.D	Calibration Date:	03/25/21 16:35
Sequence:	1E10040	Injection Date:	05/10/21
Lab Sample ID:	1E10040-CCV1	Injection Time:	08:46

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Pentachlorophenol (PCP)	XXX	1000	958	-4.2				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1C24070	Instrument:	SV-GCMS10
Matrix:	Water	Calibration:	A1C2507

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1C24070-ICV1)				Lab File ID: J03242126.D		Analyzed: 03/25/21 03:49		
2,4,6-Tribromophenol (Surr)	1000	109	70 - 130	10.638	10.64044	-0.0024	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10040	Instrument:	SV-GCMS10
Matrix:	Water	Calibration:	A1C2507

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1E10040-CCV1)			Lab File ID: J05102102.D		Analyzed: 05/10/21 08:46			
2,4,6-Tribromophenol (Surr)	1000	104	80 - 120	10.554	10.64044	-0.0864	+/-1.0	
Calibration Blank (1E10040-CCB1)			Lab File ID: J05102103.D		Analyzed: 05/10/21 09:21			
2,4,6-Tribromophenol (Surr)			43 - 140	0	10.64044	-10.6404	+/-1.0	
Blank (1050273-BLK1)			Lab File ID: J05102104.D		Analyzed: 05/10/21 11:20			
2,4,6-Tribromophenol (Surr)	4.55	80	43 - 140	10.554	10.64044	-0.0864	+/-1.0	
LCS (1050273-BS1)			Lab File ID: J05102105.D		Analyzed: 05/10/21 11:56			
2,4,6-Tribromophenol (Surr)	5.00	82	43 - 140	10.554	10.64044	-0.0864	+/-1.0	
LCS Dup (1050273-BSD1)			Lab File ID: J05102106.D		Analyzed: 05/10/21 12:31			
2,4,6-Tribromophenol (Surr)	5.00	90	43 - 140	10.554	10.64044	-0.0864	+/-1.0	
SC-FB-2105030940 (A1E0219-01)			Lab File ID: J05102107.D		Analyzed: 05/10/21 13:07			
2,4,6-Tribromophenol (Surr)	4.67	44	43 - 140	10.554	10.64044	-0.0864	+/-1.0	
SC-RB-2105030901 (A1E0219-02RE1)			Lab File ID: J05102109.D		Analyzed: 05/10/21 14:20			
2,4,6-Tribromophenol (Surr)	4.67	61	43 - 140	10.554	10.64044	-0.0864	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E10040	Instrument:	SV-GCMS10
Matrix:	Water	Calibration:	A1C2507

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1E10040-CCV1)			Lab File ID: J05102102.D			Analyzed: 05/10/21 08:46			
Phenanthrene-d10 (ISTD)	1208788	11.265	903316	11.355	134	50 - 200	-0.0900	+/-0.50	
Calibration Blank (1E10040-CCB1)			Lab File ID: J05102103.D			Analyzed: 05/10/21 09:21			
Phenanthrene-d10 (ISTD)	1158195	11.265	1208788	11.265	96	50 - 200	0.0000	+/-0.50	
Blank (1050273-BLK1)			Lab File ID: J05102104.D			Analyzed: 05/10/21 11:20			
Phenanthrene-d10 (ISTD)	1242135	11.26	1208788	11.265	103	50 - 200	-0.0050	+/-0.50	
LCS (1050273-BS1)			Lab File ID: J05102105.D			Analyzed: 05/10/21 11:56			
Phenanthrene-d10 (ISTD)	1257108	11.265	1208788	11.265	104	50 - 200	0.0000	+/-0.50	
LCS Dup (1050273-BSD1)			Lab File ID: J05102106.D			Analyzed: 05/10/21 12:31			
Phenanthrene-d10 (ISTD)	1204772	11.26	1208788	11.265	100	50 - 200	-0.0050	+/-0.50	
SC-FB-2105030940 (A1E0219-01)			Lab File ID: J05102107.D			Analyzed: 05/10/21 13:07			
Phenanthrene-d10 (ISTD)	1231966	11.26	1208788	11.265	102	50 - 200	-0.0050	+/-0.50	
SC-RB-2105030901 (A1E0219-02RE1)			Lab File ID: J05102109.D			Analyzed: 05/10/21 14:20			
Phenanthrene-d10 (ISTD)	1241895	11.26	1208788	11.265	103	50 - 200	-0.0050	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270E

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/10/21 07:24	6.91	7.00	05/10/21 13:07	0.24	40.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/10/21 07:24	6.93	7.00	05/10/21 14:20	0.29	40.00	

Apex Laboratories

SDG: A1E0219

CLASS: METALS

METHOD: EPA 6020B

ANALYSES DATA PACKAGE COVER PAGE

EPA 6020B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 6020B

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

Analyte	MDL	MRL	Units
Arsenic	0.500	1.00	ug/L
Cadmium	0.100	0.200	ug/L
Chromium	1.00	2.00	ug/L
Copper	1.00	2.00	ug/L
Lead	0.110	0.200	ug/L
Manganese	0.500	1.00	ug/L
Vanadium	1.00	2.00	ug/L
Zinc	2.00	4.00	ug/L

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

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

SC-FB-2105030940

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: WQ
Laboratory ID: A1E0219-01
File ID: 1E13059-082
Sampled: 05/03/21 09:40
Prepared: 05/13/21 13:48
Analyzed: 05/14/21 04:35
Solids: N/A
Preparation: EPA 3015A
Initial/Final: 45 mL / 50 mL
Batch: 1050469
Sequence: 1E13059
Instrument: ICPMS6

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	Method
7440-38-2	Arsenic	0.500	1	U	EPA 6020B
7440-43-9	Cadmium	0.100	1	U	EPA 6020B
7440-47-3	Chromium	0.500	1	U	EPA 6020B
7440-50-8	Copper	1.00	1	U	EPA 6020B
7439-92-1	Lead	0.100	1	U	EPA 6020B
7439-96-5	Manganese	0.500	1	U	EPA 6020B
7440-62-2	Vanadium	1.00	1	U	EPA 6020B
7440-66-6	Zinc	2.00	1	U	EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

SC-RB-2105030901

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: WQ
Laboratory ID: A1E0219-02
File ID: 1E13059-083
Sampled: 05/03/21 09:00
Prepared: 05/13/21 13:48
Analyzed: 05/14/21 04:40
Solids: N/A
Preparation: EPA 3015A
Initial/Final: 45 mL / 50 mL
Batch: 1050469
Sequence: 1E13059
Instrument: ICPMS6

CAS NO.	Analyte	Concentration (ug/L)	Dilution Factor	Q	Method
7440-38-2	Arsenic	0.500	1	U	EPA 6020B
7440-43-9	Cadmium	0.100	1	U	EPA 6020B
7440-47-3	Chromium	0.500	1	U	EPA 6020B
7440-50-8	Copper	1.00	1	U	EPA 6020B
7439-92-1	Lead	0.100	1	U	EPA 6020B
7439-96-5	Manganese	0.500	1	U	EPA 6020B
7440-62-2	Vanadium	1.00	1	U	EPA 6020B
7440-66-6	Zinc	2.00	1	U	EPA 6020B

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050469 Batch Matrix: Water Preparation: EPA 3015A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050469-BLK1	1E13059-080	05/13/21 13:48	
LCS	1050469-BS1	1E13059-081	05/13/21 13:48	
SC-FB-2105030940	A1E0219-01	1E13059-082	05/13/21 13:48	
SC-RB-2105030901	A1E0219-02	1E13059-083	05/13/21 13:48	

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

METHOD BLANK DATA SHEET
EPA 6020B

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050469-BLK1	File ID:	1E13059-080
Prepared:	05/13/21 13:48	Preparation:	EPA 3015A	Initial/Final:	45 mL / 50 mL
Analyzed:	05/14/21 04:26	Instrument:	ICPMS6		
Batch:	1050469	Sequence:	1E13059	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (ug/L)	Q
7440-38-2	Arsenic	0.500	U
7440-43-9	Cadmium	0.100	U
7440-47-3	Chromium	0.500	U
7440-50-8	Copper	12.1	B
7439-92-1	Lead	0.100	U
7439-96-5	Manganese	0.653	J
7440-62-2	Vanadium	1.00	U
7440-66-6	Zinc	7.22	B

LCS / LCS DUPLICATE RECOVERY

EPA 6020B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050469	Laboratory ID:	1050469-BS1
Preparation:	EPA 3015A	Initial/Final:	45 mL / 50 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Arsenic	55.6	55.7	100	80 - 120
Cadmium	55.6	55.9	101	80 - 120
Chromium	55.6	52.8	95	80 - 120
Copper	55.6	59.5	107	80 - 120
Lead	55.6	58.1	105	80 - 120
Manganese	55.6	54.1	97	80 - 120
Vanadium	55.6	53.1	96	80 - 120
Zinc	55.6	56.0	101	80 - 120

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020B

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E13059	Instrument:	ICPMS6
Matrix:	Water	Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E13059-CAL1	1E13059-004	05/13/21 22:15
Cal Standard	1E13059-CAL2	1E13059-005	05/13/21 22:20
Cal Standard	1E13059-CAL3	1E13059-006	05/13/21 22:25
Cal Standard	1E13059-CAL4	1E13059-007	05/13/21 22:30
Cal Standard	1E13059-CAL5	1E13059-008	05/13/21 22:35
Cal Standard	1E13059-CAL6	1E13059-009	05/13/21 22:40
Cal Standard	1E13059-CAL7	1E13059-010	05/13/21 22:45
Cal Standard	1E13059-CAL8	1E13059-011	05/13/21 22:50
Cal Standard	1E13059-CAL9	1E13059-012	05/13/21 22:55
Initial Cal Check	1E13059-ICV1	1E13059-013	05/13/21 23:00
Initial Cal Blank	1E13059-ICB1	1E13059-014	05/13/21 23:05
Calibration Check	1E13059-CCV1	1E13059-027	05/14/21 00:08
Calibration Blank	1E13059-CCB1	1E13059-028	05/14/21 00:13
Calibration Check	1E13059-CCV2	1E13059-039	05/14/21 01:07
Calibration Blank	1E13059-CCB2	1E13059-040	05/14/21 01:11
Calibration Check	1E13059-CCV3	1E13059-051	05/14/21 02:05
Calibration Blank	1E13059-CCB3	1E13059-052	05/14/21 02:10
Calibration Check	1E13059-CCV4	1E13059-063	05/14/21 03:03
Calibration Blank	1E13059-CCB4	1E13059-064	05/14/21 03:08
Calibration Check	1E13059-CCV5	1E13059-075	05/14/21 04:02
Calibration Blank	1E13059-CCB5	1E13059-076	05/14/21 04:06
Blank	1050469-BLK1	1E13059-080	05/14/21 04:26
LCS	1050469-BS1	1E13059-081	05/14/21 04:31
SC-FB-2105030940	A1E0219-01	1E13059-082	05/14/21 04:35
SC-RB-2105030901	A1E0219-02	1E13059-083	05/14/21 04:40
Calibration Check	1E13059-CCV6	1E13059-087	05/14/21 05:00
Calibration Blank	1E13059-CCB6	1E13059-088	05/14/21 05:05
Calibration Check	1E13059-CCV7	1E13059-092	05/14/21 05:24
Calibration Blank	1E13059-CCB7	1E13059-093	05/14/21 05:29

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

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6020B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: ICPMS6
Calibration: UNASSIGNED
Control Limt: +/- 10.00%
Sequence: 1E13059

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E13059-ICV1	Arsenic	100	100	100	ug/L	EPA 6020B
	Cadmium	100	104	104	ug/L	EPA 6020B
	Chromium	100	98.9	99	ug/L	EPA 6020B
	Copper	100	103	103	ug/L	EPA 6020B
	Lead	100	105	105	ug/L	EPA 6020B
	Manganese	100	101	101	ug/L	EPA 6020B
	Vanadium	100	101	101	ug/L	EPA 6020B
	Zinc	100	98.2	98	ug/L	EPA 6020B
1E13059-CCV1	Arsenic	100	100	100	ug/L	EPA 6020B
	Cadmium	100	103	103	ug/L	EPA 6020B
	Chromium	100	99.4	99	ug/L	EPA 6020B
	Copper	100	106	106	ug/L	EPA 6020B
	Lead	100	104	104	ug/L	EPA 6020B
	Manganese	100	102	102	ug/L	EPA 6020B
	Vanadium	100	102	102	ug/L	EPA 6020B
	Zinc	100	99.8	100	ug/L	EPA 6020B
1E13059-CCV2	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	104	104	ug/L	EPA 6020B
	Chromium	100	97.6	98	ug/L	EPA 6020B
	Copper	100	105	105	ug/L	EPA 6020B
	Lead	100	106	106	ug/L	EPA 6020B
	Manganese	100	99.9	100	ug/L	EPA 6020B
	Vanadium	100	99.5	100	ug/L	EPA 6020B
	Zinc	100	99.2	99	ug/L	EPA 6020B
1E13059-CCV3	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	105	105	ug/L	EPA 6020B
	Chromium	100	96.8	97	ug/L	EPA 6020B
	Copper	100	106	106	ug/L	EPA 6020B
	Lead	100	107	107	ug/L	EPA 6020B
	Manganese	100	98.9	99	ug/L	EPA 6020B
	Vanadium	100	98.8	99	ug/L	EPA 6020B
	Zinc	100	100	100	ug/L	EPA 6020B
1E13059-CCV4	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	104	104	ug/L	EPA 6020B
	Chromium	100	95.9	96	ug/L	EPA 6020B
	Copper	100	106	106	ug/L	EPA 6020B
	Lead	100	108	108	ug/L	EPA 6020B
	Manganese	100	98.2	98	ug/L	EPA 6020B
	Vanadium	100	98.2	98	ug/L	EPA 6020B
	Zinc	100	99.9	100	ug/L	EPA 6020B
1E13059-CCV5	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	105	105	ug/L	EPA 6020B
	Chromium	100	96.0	96	ug/L	EPA 6020B
	Copper	100	106	106	ug/L	EPA 6020B
	Lead	100	109	109	ug/L	EPA 6020B
	Manganese	100	98.2	98	ug/L	EPA 6020B

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6020B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: ICPMS6
Calibration: UNASSIGNED
Control Limt: +/- 10.00%
Sequence: 1E13059

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E13059-CCV5	Vanadium	100	97.4	97	ug/L	EPA 6020B
	Zinc	100	101	101	ug/L	EPA 6020B
1E13059-CCV6	Arsenic	100	99.7	100	ug/L	EPA 6020B
	Cadmium	100	102	102	ug/L	EPA 6020B
	Chromium	100	98.3	98	ug/L	EPA 6020B
	Copper	100	105	105	ug/L	EPA 6020B
	Lead	100	105	105	ug/L	EPA 6020B
	Manganese	100	100	100	ug/L	EPA 6020B
	Vanadium	100	101	101	ug/L	EPA 6020B
	Zinc	100	99.9	100	ug/L	EPA 6020B
1E13059-CCV7	Arsenic	100	104	104	ug/L	EPA 6020B
	Cadmium	100	109	109	ug/L	EPA 6020B
	Chromium	100	102	102	ug/L	EPA 6020B
	Copper	100	111	111 *	ug/L	EPA 6020B
	Lead	100	108	108	ug/L	EPA 6020B
	Manganese	100	103	103	ug/L	EPA 6020B
	Vanadium	100	103	103	ug/L	EPA 6020B
	Zinc	100	104	104	ug/L	EPA 6020B

* Values outside of QC limits

INSTRUMENT BLANKS
EPA 6020B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Instrument ID: ICPMS6
Project: US Moorings -- C2, C3, C4
Sequence: 1E13059
Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E13059-ICB1	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
1E13059-CCB1	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
1E13059-CCB2	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
1E13059-CCB3	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
1E13059-CCB4	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B

INSTRUMENT BLANKS
EPA 6020B

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Instrument ID: ICPMS6
Project: US Moorings -- C2, C3, C4
Sequence: 1E13059
Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E13059-CCB4	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
1E13059-CCB5	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
1E13059-CCB6	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
1E13059-CCB7	Arsenic	ND	0.450 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.0900 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Copper	ND	0.900 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.0990 (Inst)	ug/L		EPA 6020B
	Zinc	ND	1.80 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	0.900 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.450 (Inst)	ug/L		EPA 6020B

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

HOLDING TIME SUMMARY

EPA 6020B

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/13/21 13:48	10.17	180.00	05/14/21 04:35	10.79	180.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/13/21 13:48	10.20	180.00	05/14/21 04:40	10.82	180.00	

Apex Laboratories

SDG: A1E0219

CLASS: WET

METHOD: D7511-12

ANALYSES DATA PACKAGE COVER PAGE

D7511-12

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

D7511-12

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

Analyte	MDL	MRL	Units
Total Cyanide	0.00250	0.00500	mg/L

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

INORGANIC ANALYSIS DATA SHEET

D7511-12

SC-FB-2105030940

Laboratory: Apex Laboratories | SDG: A1E0219

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

Matrix: WQ | Laboratory ID: A1E0219-01 | File ID: 1E13036-037

Sampled: 05/03/21 09:40 | Prepared: 05/13/21 08:41 | Analyzed: 05/13/21 13:10

Solids: N/A | Preparation: ASTM D7511-12 (W) | Initial/Final: 10 mL / 10 mL

Batch: 1050438 | Sequence: 1E13036 | Calibration: A1E1202 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.00250	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

SC-RB-2105030901

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: WQ
Laboratory ID: A1E0219-02
File ID: 1E13036-038
Sampled: 05/03/21 09:00
Prepared: 05/13/21 08:41
Analyzed: 05/13/21 13:12
Solids: N/A
Preparation: ASTM D7511-12 (W)
Initial/Final: 10 mL / 10 mL
Batch: 1050438
Sequence: 1E13036
Calibration: A1E1202
Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.00250	1	U	D7511-12

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050438 Batch Matrix: Water Preparation: ASTM D7511-12 (W)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050438-BLK1	1E13036-021	05/13/21 08:41	
LCS	1050438-BS1	1E13036-022	05/13/21 08:41	
SC-FB-2105030940	A1E0219-01	1E13036-037	05/13/21 08:41	
SC-RB-2105030901	A1E0219-02	1E13036-038	05/13/21 08:41	

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

METHOD BLANK DATA SHEET
D7511-12

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050438-BLK1	File ID:	1E13036-021
Prepared:	05/13/21 08:41	Preparation:	ASTM D7511-12 (W)	Initial/Final:	10 mL / 10 mL
Analyzed:	05/13/21 12:38	Instrument:	OIA FS3000-2		
Batch:	1050438	Sequence:	1E13036	Calibration:	A1E1202

CAS NO.	COMPOUND	CONC. (mg/L)	Q
57-12-5	Total Cyanide	0.00250	U

LCS / LCS DUPLICATE RECOVERY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050438	Laboratory ID:	1050438-BS1
Preparation:	ASTM D7511-12 (W)	Initial/Final:	10 mL / 10 mL

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Cyanide	0.0250	0.0256	102	84 - 116

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E13036	Instrument:	OIA FS3000-2
Matrix:	Water	Calibration:	A1E1202

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E13036-CAL2	1E13036-008	05/13/21 12:12
Cal Standard	1E13036-CAL3	1E13036-009	05/13/21 12:14
Cal Standard	1E13036-CAL4	1E13036-011	05/13/21 12:18
Cal Standard	1E13036-CAL5	1E13036-012	05/13/21 12:20
Cal Standard	1E13036-CAL6	1E13036-014	05/13/21 12:24
Cal Standard	1E13036-CAL7	1E13036-015	05/13/21 12:26
Initial Cal Check	1E13036-ICV1	1E13036-017	05/13/21 12:30
Initial Cal Blank	1E13036-ICB1	1E13036-018	05/13/21 12:32
Blank	1050438-BLK1	1E13036-021	05/13/21 12:38
LCS	1050438-BS1	1E13036-022	05/13/21 12:40
Calibration Check	1E13036-CCV1	1E13036-034	05/13/21 13:04
Calibration Blank	1E13036-CCB1	1E13036-035	05/13/21 13:06
SC-FB-2105030940	A1E0219-01	1E13036-037	05/13/21 13:10
SC-RB-2105030901	A1E0219-02	1E13036-038	05/13/21 13:12
Calibration Check	1E13036-CCV2	1E13036-052	05/13/21 13:40
Calibration Blank	1E13036-CCB2	1E13036-053	05/13/21 13:42
Calibration Check	1E13036-CCV3	1E13036-059	05/13/21 13:54
Calibration Blank	1E13036-CCB3	1E13036-060	05/13/21 13:56
Calibration Check	1E13036-CCV4	1E13036-070	05/13/21 14:29
Calibration Blank	1E13036-CCB4	1E13036-071	05/13/21 14:31
Calibration Check	1E13036-CCV5	1E13036-076	05/13/21 14:41
Calibration Blank	1E13036-CCB5	1E13036-077	05/13/21 14:43
Calibration Check	1E13036-CCV6	1E13036-087	05/13/21 15:15
Calibration Blank	1E13036-CCB6	1E13036-088	05/13/21 15:17
Calibration Check	1E13036-CCV7	1E13036-092	05/13/21 15:37
Calibration Blank	1E13036-CCB7	1E13036-093	05/13/21 15:39

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

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1E1202 Date: 05/12/21 10:38 Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	47799.69	Q **	15.4652				0.9998041		

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

INITIAL CALIBRATION DATA

D7511-12

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A1E1202	Instrument:	OIA FS3000-2
		Calibration Date:	05/12/21 10:38

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Total Cyanide	1	51580	2	59352.5	5	50446.8	10	43778.1	25	42381.12	50	39259.64

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: OIA FS3000-2
Calibration: A1E1202
Control Limt: +/- 10.00%
Sequence: 1E13036

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E13036-ICV1	Total Cyanide	25.0	25.7	103	ug/L	D7511-12
1E13036-CCV1	Total Cyanide	25.0	26.7	107	ug/L	D7511-12
1E13036-CCV2	Total Cyanide	25.0	25.1	100	ug/L	D7511-12
1E13036-CCV3	Total Cyanide	25.0	25.3	101	ug/L	D7511-12
1E13036-CCV4	Total Cyanide	25.0	26.8	107	ug/L	D7511-12
1E13036-CCV5	Total Cyanide	25.0	25.8	103	ug/L	D7511-12
1E13036-CCV6	Total Cyanide	25.0	27.2	109	ug/L	D7511-12
1E13036-CCV7	Total Cyanide	25.0	26.9	107	ug/L	D7511-12

* Values outside of QC limits

INSTRUMENT BLANKS
D7511-12

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Instrument ID: OIA FS3000-2
Project: US Moorings -- C2, C3, C4
Sequence: 1E13036
Calibration: A1E1202

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E13036-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB5	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB6	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
1E13036-CCB7	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

HOLDING TIME SUMMARY

D7511-12

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/13/21 08:41	9.96	14.00	05/13/21 13:10	10.15	14.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/13/21 08:41	9.99	14.00	05/13/21 13:12	10.18	14.00	

Apex Laboratories

SDG: A1E0219

CLASS: WET

METHOD: SM 5310 C

ANALYSES DATA PACKAGE COVER PAGE

SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-FB-2105030940	A1E0219-01	WQ
SC-RB-2105030901	A1E0219-02	WQ

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

Signature: 
Name: David G. Jack

Forms Created: 7/8/2021 11:01AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 5310 C

Laboratory: Apex Laboratories **SDG:** A1E0219

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

Batch Matrix: Water

Analyte	MDL	MRL	Units
Total Organic Carbon	1.00	1.00	mg/L

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

INORGANIC ANALYSIS DATA SHEET

SM 5310 C

SC-FB-2105030940

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: WQ
Laboratory ID: A1E0219-01
File ID: 1E17037B-007
Sampled: 05/03/21 09:40
Prepared: 05/17/21 08:43
Analyzed: 05/17/21 13:41
Solids: N/A
Preparation: Method Prep: Aq
Initial/Final: 40 mL / 40 mL
Batch: 1050548
Sequence: 1E17037
Calibration: A1A1403
Instrument: TOC5

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.00	1	U	SM 5310 C

INORGANIC ANALYSIS DATA SHEET

SM 5310 C

SC-RB-2105030901

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: WQ
Laboratory ID: A1E0219-02
File ID: 1E17037B-010
Sampled: 05/03/21 09:00
Prepared: 05/17/21 08:43
Analyzed: 05/17/21 15:12
Solids: N/A
Preparation: Method Prep: Aq
Initial/Final: 40 mL / 40 mL
Batch: 1050548
Sequence: 1E17037
Calibration: A1A1403
Instrument: TOC5

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.00	1	U	SM 5310 C

PREPARATION BATCH SUMMARY

SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1050548 Batch Matrix: Water Preparation: Method Prep: Aq

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1050548-BLK1	1E17037B-005	05/17/21 08:43	
LCS	1050548-BS1	1E17037B-006	05/17/21 08:43	
LCS	1050548-BS3	1E18047-004	05/17/21 08:43	
SC-FB-2105030940 (Dup)	1050548-DUP1	1E17037B-008	05/17/21 08:43	
SC-FB-2105030940 (MS)	1050548-MS1	1E17037B-009	05/17/21 08:43	
SC-FB-2105030940	A1E0219-01	1E17037B-007	05/17/21 08:43	
SC-RB-2105030901	A1E0219-02	1E17037B-010	05/17/21 08:43	

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

METHOD BLANK DATA SHEET
SM 5310 C

Laboratory:	Apex Laboratories			SDG:	A1E0219
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	1050548-BLK1	File ID:	1E17037B-005
Prepared:	05/17/21 08:43	Preparation:	Method Prep: Aq	Initial/Final:	40 mL / 40 mL
Analyzed:	05/17/21 12:41	Instrument:	TOC5		
Batch:	1050548	Sequence:	1E17037	Calibration:	A1A1403

CAS NO.	COMPOUND	CONC. (mg/L)	Q
TOC	Total Organic Carbon	1.00	U

LCS / LCS DUPLICATE RECOVERY

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050548	Laboratory ID:	1050548-BS1
Preparation:	Method Prep: Aq	Initial/Final:	40 mL / 40 mL

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Organic Carbon	10.0	10.0	100	90 - 114

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050548	Laboratory ID:	1050548-BS3
Preparation:	Method Prep: Aq	Initial/Final:	40 mL / 40 mL

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Organic Carbon	0.00	ND	*	90 - 114

* = Values outside of QC limits

DUPLICATES

SM 5310 C

SC-FB-2105030940

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Water
Batch: 1050548
Preparation: Method Prep: Aq
Source Sample Name: SC-FB-2105030940

SDG: A1E0219
Project: US Moorings -- C2, C3, C4
Laboratory ID: 1050548-DUP1
Lab Source ID: A1E0219-01
Initial/Final: 40 mL / 40 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	C	DUPLICATE CONCENTRATION (mg/L)	C	RPD %	Q	METHOD
Total Organic Carbon	10	0.248		ND				SM 5310 C

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM 5310 C

SC-FB-2105030940

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	1050548	Laboratory ID:	1050548-MS1
Preparation:	Method Prep: Aq	Initial/Final:	40 mL / 40.4 mL

Source Sample Name: SC-FB-2105030940

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC. (*=Out)	QC LIMITS REC.
Total Organic Carbon	10.0	ND	10.7	107	90 - 114

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14047	Instrument:	TOC5
Matrix:	Water	Calibration:	A1A1403

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1A14047-CAL1	1A14047-005	01/14/21 14:53
Cal Standard	1A14047-CAL2	1A14047-006	01/14/21 15:24
Cal Standard	1A14047-CAL3	1A14047-007	01/14/21 15:55
Cal Standard	1A14047-CAL4	1A14047-008	01/14/21 16:26
Cal Standard	1A14047-CAL5	1A14047-009	01/14/21 16:57
Cal Standard	1A14047-CAL6	1A14047-010	01/14/21 17:27
Cal Standard	1A14047-CAL7	1A14047-011	01/14/21 17:58
Cal Standard	1A14047-CAL8	1A14047-012	01/14/21 18:28
Cal Standard	1A14047-CAL9	1A14047-013	01/14/21 18:59
Cal Standard	1A14047-CALA	1A14047-014	01/14/21 19:29
Initial Cal Check	1A14047-ICV1	1A14047-016	01/14/21 20:30
Initial Cal Blank	1A14047-ICB1	1A14047-017	01/14/21 21:00

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E17037	Instrument:	TOC5
Matrix:	Water	Calibration:	A1A1403

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E17037-CCV1	1E17037B-002	05/17/21 11:11
Calibration Blank	1E17037-CCB1	1E17037B-003	05/17/21 11:40
Blank	1050548-BLK1	1E17037B-005	05/17/21 12:41
LCS	1050548-BS1	1E17037B-006	05/17/21 13:11
SC-FB-2105030940	A1E0219-01	1E17037B-007	05/17/21 13:41
SC-FB-2105030940 (Dup)	1050548-DUP1	1E17037B-008	05/17/21 14:12
SC-FB-2105030940 (MS)	1050548-MS1	1E17037B-009	05/17/21 14:43
SC-RB-2105030901	A1E0219-02	1E17037B-010	05/17/21 15:12
Calibration Check	1E17037-CCV2	1E17037B-011	05/17/21 15:43
Calibration Blank	1E17037-CCB2	1E17037B-012	05/17/21 16:13

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1E18047	Instrument:	TOC5
Matrix:	Water	Calibration:	A1A1403

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1E18047-CCV1	1E18047-002	05/18/21 12:28
Calibration Blank	1E18047-CCB1	1E18047-003	05/18/21 12:58
LCS	1050548-BS3	1E18047-004	05/18/21 13:29
Calibration Check	1E18047-CCV2	1E18047-012	05/18/21 17:37
Calibration Blank	1E18047-CCB2	1E18047-013	05/18/21 18:07
Calibration Check	1E18047-CCV3	1E18047-020	05/18/21 21:54
Calibration Blank	1E18047-CCB3	1E18047-021	05/18/21 22:24

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

INITIAL CALIBRATION DATA (Summary)

SM 5310 C

Laboratory: Apex Laboratories SDG: A1E0219

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

Calibration: A1A1403 Date: 01/14/21 10:42 Instrument: TOC5

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon		Lin				0.00000			

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

INITIAL CALIBRATION DATA

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A1A1403	Instrument:	TOC5
		Calibration Date:	01/14/21 10:42

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Total Organic Carbon	0.2	~~46275~~	0.5	~~29598~~	1	~~23482~~	2.5	~~21526~~	5	~~20690.8~~	7.5	~~20277.6~~

INITIAL CALIBRATION DATA (Continued)

SM 5310 C

Laboratory:	Apex Laboratories	SDG:	A1E0219
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A1A1403	Instrument:	TOC5
Matrix:		Calibration Date:	01/14/21 10:42

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Total Organic Carbon	10	~~20069.3~~	15	~~20051.13~~	20	~~19757.2~~	25	19750.92				

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: TOC5
Calibration: A1A1403
Control Limt: +/- 10.00%
Sequence: 1A14047

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1A14047-ICV1	Total Organic Carbon	10.0	10.2	102	mg/L	SM 5310 C

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: TOC5
Calibration: A1A1403
Control Limt: +/- 10.00%
Sequence: 1E17037

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E17037-CCV1	Total Organic Carbon	10.0	10.4	104	mg/L	SM 5310 C
1E17037-CCV2	Total Organic Carbon	10.0	10.2	102	mg/L	SM 5310 C

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: TOC5
Calibration: A1A1403
Control Limt: +/- 10.00%
Sequence: 1E18047

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1E18047-CCV1	Total Organic Carbon	10.0	10.1	101	mg/L	SM 5310 C
1E18047-CCV2	Total Organic Carbon	10.0	10.2	102	mg/L	SM 5310 C
1E18047-CCV3	Total Organic Carbon	10.0	10.3	103	mg/L	SM 5310 C

* Values outside of QC limits

INSTRUMENT BLANKS
SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Instrument ID: TOC5
Project: US Moorings -- C2, C3, C4
Sequence: 1A14047
Calibration: A1A1403

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1A14047-ICB1	Total Organic Carbon	ND	1.00 (Inst)	mg/L		SM 5310 C

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

INSTRUMENT BLANKS
SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Instrument ID: TOC5
Project: US Moorings -- C2, C3, C4
Sequence: 1E17037
Calibration: A1A1403

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E17037-CCB1	Total Organic Carbon	ND	1.00 (Inst)	mg/L		SM 5310 C
1E17037-CCB2	Total Organic Carbon	ND	1.00 (Inst)	mg/L		SM 5310 C

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

INSTRUMENT BLANKS
SM 5310 C

Laboratory: Apex Laboratories
SDG: A1E0219
Client: Anchor QEA, LLC
Instrument ID: TOC5
Project: US Moorings -- C2, C3, C4
Sequence: 1E18047
Calibration: A1A1403

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1E18047-CCB1	Total Organic Carbon	ND	1.00 (Inst)	mg/L		SM 5310 C
1E18047-CCB2	Total Organic Carbon	ND	1.00 (Inst)	mg/L		SM 5310 C
1E18047-CCB3	Total Organic Carbon	ND	1.00 (Inst)	mg/L		SM 5310 C

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

HOLDING TIME SUMMARY

SM 5310 C

Laboratory: Apex Laboratories SDG: A1E0219

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

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-FB-2105030940	05/03/21 09:40	05/04/21 10:45	05/17/21 08:43	13.96	28.00	05/17/21 13:41	14.17	28.00	
SC-RB-2105030901	05/03/21 09:00	05/04/21 10:45	05/17/21 08:43	13.99	28.00	05/17/21 15:12	14.26	28.00	

Raw Data

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

Selected Volatile Organic Compounds by EPA 5035A/8260D
Benchsheet and Analysis Sequence Data

Batch 1050350
Sequence 1E11044 (A1E0219-01,02,03)

PREPARATION BENCH SHEET

BATCH #: 1050350 (Water)

Apex Laboratories

Prep Method: EPA 1311/5030B TCLP Volatiles

Lab Number	Cont.	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*	
1050350-BLK1		QC	05/11/21 10:00	5	5								
1050350-BS1		QC	05/11/21 10:00	5	5	A21E114		5					
1050350-BS2		QC	05/11/21 10:00	5	5	A21C295		0.5					
A1D1245-03RE1	B	8260D Full List	05/11/21 12:55	5	5					MW-1-H2O	5X (RR01/03)	<2	
A1D1245-03RE1	B	NWTPH-Gx	05/11/21 12:55	5	5					MW-1-H2O	5X (CONFIRM)	<2	
A1E0184-01	A	1311/8260C TCLP/ZHE VOC	05/11/21 12:55	5	5					GW-Drum-05042021		~~<2~~	7
~~A1E0184-01~~	~~A~~	~~8260D Full List~~	05/11/21 12:55	5	5	NR QC				GW-Drum-05042021	Added for BatchQC in: 1050350	~~<2~~	7
~~A1E0184-01~~	~~A~~	~~8260D RBDM List~~	05/11/21 12:55	5	5					GW-Drum-05042021	Added for BatchQC in: 1050350	~~<2~~	7
~~A1E0184-01~~	~~A~~	~~8260D BTEX+Halo6~~	05/11/21 12:55	5	5					GW-Drum-05042021	Added for BatchQC in: 1050350	~~<2~~	7
~~A1E0184-01~~	~~A~~	~~NWTPH-Gx~~	05/11/21 12:55	5	5					GW-Drum-05042021	Added for BatchQC in: 1050350	~~<2~~	7
1050350-DUP3		QC	05/11/21 12:55	5	5		A1E0184-01					<2	
1050350-MS3		QC	05/11/21 12:55	5	5	A21E114	A1E0184-01	250			@50X	<2	
~~A1E0215-01RE1~~	~~B~~	~~1311/8260C TCLP/ZHE VOC~~	05/11/21 12:55	5	5					NWSG-MW-1	Added for BatchQC in: 1050350	<2	
A1E0215-01RE1	B	8260D Full List	05/11/21 12:55	5	5					NWSG-MW-1	1X RR-1	<2	
A1E0215-01RE1	B	8260D RBDM List	05/11/21 12:55	5	5					NWSG-MW-1	Added for BatchQC in: 1050350	<2	
A1E0215-01RE1	B	8260D BTEX+Halo6	05/11/21 12:55	5	5					NWSG-MW-1	Added for BatchQC in: 1050350	<2	
A1E0215-01RE1	B	NWTPH-Gx	05/11/21 12:55	5	5					NWSG-MW-1	1X RR-1	<2	
1050350-MS1		QC	05/11/21 12:55	5	5	A21E114	A1E0215-01RE1	5				<2	
1050350-MS2		QC	05/11/21 12:55	5	5	A21C295	A1E0215-01RE1	0.5			GX SPIKE	<2	
1050350-MSD1		QC	05/11/21 12:55	5	5	A21E114	A1E0215-01RE1	5					
1050350-MSD2		QC	05/11/21 12:55	5	5	A21C295	A1E0215-01RE1	0.5			GX SPIKE		
A1E0215-02RE1	B	8260D Full List	05/11/21 12:55	5	5					NWSG-MW-2	1X RR-1	<2	

05/12/21 TNL
Prepared By: Date

MM 5/13/21
Reviewed By: Date

PREPARATION BENCH SHEET

Apex Laboratories

BATCH #: 1050350 (Water)

Prep Method: EPA 1311/5030B TCLP Volatiles

Lab Number	Cont.	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
A1E0215-02RE1	B	NWTPH-Gx	05/11/21 12:55	5	5					NWSG-MW-2	1X RR-1	<2
A1E0215-03RE1	B	8260D Full List	05/11/21 12:55	5	5					NWSG-MW-3	1X RR-1	<2
A1E0215-03RE1	B	NWTPH-Gx	05/11/21 12:55	5	5					NWSG-MW-3	1X RR-1	<2
A1E0215-04RE1	B	8260D Full List	05/11/21 12:55	5	5					NWSG-DUP050521	1X RR-1	<2
A1E0215-04RE1	B	NWTPH-Gx	05/11/21 12:55	5	5					NWSG-DUP050521	1X RR-1	<2
A1E0219-01	A	8260D BTEX+Halo6	05/11/21 12:55	5	5					SC-FB-2105030940		<2
A1E0219-02	A	8260D BTEX+Halo6	05/11/21 12:55	5	5					SC-RB-2105030901		<2
~~A1E0219-03~~	~~A~~	~~1311/8260C TCLP/ZHE VOC~~	05/11/21 12:55	5	5					SC-TB-2105031045	Added for BatchQC in: 1050350	<2
A1E0219-03	A	8260D Full List	05/11/21 12:55	5	5					SC-TB-2105031045	Added for BatchQC in: 1050350	<2
A1E0219-03	A	8260D RBDM List	05/11/21 12:55	5	5					SC-TB-2105031045	Added for BatchQC in: 1050350	<2
A1E0219-03	A	8260D BTEX+Halo6	05/11/21 12:55	5	5					SC-TB-2105031045		<2
A1E0219-03	A	NWTPH-Gx	05/11/21 12:55	5	5					SC-TB-2105031045	Added for BatchQC in: 1050350	<2
1050350-DUP1		QC	05/11/21 12:55	5	5		A1E0219-03					<2
A1E0272-01RE1	B	8260D Full List	05/11/21 12:55	5	5					GW-02_0521	1X RR-1	<2
A1E0272-01RE1	B	NWTPH-Gx	05/11/21 12:55	5	5					GW-02_0521	1X RR-1	<2
A1E0396-01	A	8260D RBDM List	05/11/21 12:55	5	5					3780-DWU-051121		<2
A1E0396-01	A	NWTPH-Gx	05/11/21 12:55	5	5					3780-DWU-051121		<2
A1E0396-02	A	8260D RBDM List	05/11/21 12:55	5	5					3780-DWD-051121		<2
A1E0396-02	A	NWTPH-Gx	05/11/21 12:55	5	5					3780-DWD-051121		<2
A1E0396-03	A	8260D RBDM List	05/11/21 12:55	5	5					3780-DWC-051121		<2
A1E0396-03	A	NWTPH-Gx	05/11/21 12:55	5	5					3780-DWC-051121		<2
A1E0396-04	A	8260D RBDM List	05/11/21 12:55	5	5					3780-WWW-051121		<2

MM 5/13/21

Prepared By: Date

Reviewed By: Date

PREPARATION BENCH SHEET

BATCH #: 1050350 (Water)

Apex Laboratories

Prep Method: EPA 1311/5030B TCLP Volatiles

Lab Number	Cont.	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
A1E0396-04	A	NWTPH-Gx	05/11/21 12:55	5	5					3780-WWW-051121		<2
~~A1E0396-05~~	~~A~~	~~1311/8260C TCLP/ZHE VOC~~	05/11/21 12:55	5	5					3780-WP3-051121	Added for BatchQC in: 1050350	<2
A1E0396-05	A	8260D Full List	05/11/21 12:55	5	5					3780-WP3-051121	Added for BatchQC in: 1050350	<2
A1E0396-05	A	8260D RBDM List	05/11/21 12:55	5	5					3780-WP3-051121		<2
A1E0396-05	A	8260D BTEX+Halo6	05/11/21 12:55	5	5					3780-WP3-051121	Added for BatchQC in: 1050350	<2
A1E0396-05	A	NWTPH-Gx	05/11/21 12:55	5	5					3780-WP3-051121		<2
1050350-DUP2		QC	05/11/21 12:55	5	5		A1E0396-05					<2

*pH <2 verified 05/12/21 TNL

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description

Analyte Spike(s)

Std ID	Exp. Date	Description
A21C295	09/20/21	Prime. NWTPH-Gx stock (5000 ug/mL)
A21E114	06/01/21	8260 Cal. Std. B VOCR+OXY Spike (20-40ug/m

Surrogate(s)

Std ID	Exp. Date	Description

GCMS9

MM 5/13/21

Prepared By: Date

Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1E11044	Instrument:	VOA-GCMS9
Date:	**05/11/21 11:10**	Calibration:	**A1E1107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E11044-IBL1	Water	QC	QC			A21B496	
2	1E11044-TUN1	Water	QC	QC			A21B496	
3	1E11044-CCV1	Water	QC	QC			A21B496	
4	1050350-BS1	Water	QC	QC		1050350	A21B496	
5	1E11044-CCV2	Water	QC	QC			A21B496	
6	1050350-BS2	Water	QC	QC		1050350	A21B496	
7	1050350-BLK1	Water	QC	QC		1050350	A21B496	
8	A1E0215-02RE1	Water	8260D Full List		05/19/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/13/21	1050350	A21B496	
9	A1E0215-03RE1	Water	8260D Full List		05/19/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/13/21	1050350	A21B496	
10	A1E0215-04RE1	Water	8260D Full List		05/19/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/13/21	1050350	A21B496	
11	A1E0215-01RE1	Water	8260D Full List		05/19/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/13/21	1050350	A21B496	
"	"	Water	8260D RBDM List	(QC Source)		1050350	A21B496	
"	"	Water	8260D BTEX+Halo6	(QC Source)		1050350	A21B496	
12	1050350-MS1	Water	QC	QC		1050350	A21B496	
13	1050350-MSD1	Water	QC	QC		1050350	A21B496	
14	1050350-MS2	Water	QC	QC		1050350	A21B496	
15	1050350-MSD2	Water	QC	QC		1050350	A21B496	
16	1E11044-IBL2	Water	QC	QC			A21B496	
17	A1E0219-01	Water	8260D BTEX+Halo6	Anchor QEA, LLC	05/17/21	1050350	A21B496	
18	A1E0219-02	Water	8260D BTEX+Halo6	Anchor QEA, LLC	05/17/21	1050350	A21B496	
19	A1E0219-03	Water	8260D BTEX+Halo6	Anchor QEA, LLC	05/17/21	1050350	A21B496	
"	"	Water	8260D Full List	(QC Source)		1050350	A21B496	
"	"	Water	8260D RBDM List	(QC Source)		1050350	A21B496	
"	"	Water	NWTPH-Gx	(QC Source)		1050350	A21B496	
20	1050350-DUP1	Water	QC	QC		1050350	A21B496	
21	A1E0272-01RE1	Water	8260D Full List		05/19/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/13/21	1050350	A21B496	
22	A1D1245-03RE1	Water	8260D Full List		05/12/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/07/21	1050350	A21B496	
23	1E11044-IBL3	Water	QC				A21B496	
24	A1E0396-01	Water	8260D RBDM List		05/12/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/12/21	1050350	A21B496	
25	A1E0396-02	Water	8260D RBDM List		05/12/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/12/21	1050350	A21B496	
26	A1E0396-03	Water	8260D RBDM List		05/12/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/12/21	1050350	A21B496	
27	A1E0396-04	Water	8260D RBDM List		05/12/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/12/21	1050350	A21B496	
28	A1E0396-05	Water	8260D RBDM List		05/12/21	1050350	A21B496	
"	"	Water	NWTPH-Gx		05/12/21	1050350	A21B496	
"	"	Water	8260D Full List	(QC Source)		1050350	A21B496	
"	"	Water	8260D BTEX+Halo6	(QC Source)		1050350	A21B496	
29	1050350-DUP2	Water	QC	QC		1050350	A21B496	
30	A1E0184-01	Water	1311/8260C TCLP/ZHE VOC Reg List		05/11/21	1050350	A21B496	
31	1050350-DUP3	Water	QC	QC		1050350	A21B496	
32	1050350-MS3	Water	QC	QC		1050350	A21B496	

Sequence:	1E11044	Instrument:	VOA-GCMS9
Date:	**05/11/21 11:10**	Calibration:	**A1E1107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
33	1E11044-IBL4	Water	QC	QC			A21B496	
34	1E11044-IBL5	Water	QC	QC			A21B496	

Standard	Description:	Expires:
A21B496	8260 IS/Surr Standard (50 ug/L) Atomx (1uL)	8/27/2021

Data Entered By/Date: 05/12/21 TNL Comments:

Data Reviewed By/Date: MM 5/13/21

Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051102.D
Acq On : 11 May 2021 12:01 pm
Operator : PS
Sample : 1E11044-TUN1
Misc : 1X 5mL A21B495 BFB (IS/SURR
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/12/21

Quant Time: May 12 15:18:23 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	115402	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	307140	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.796	152	133702	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.639	111	116695	51.01	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.698	114	363061	50.93	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	409311	50.49	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	116316	52.07	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.825	50	145	0.08	ug/L	# 4
6) Chloroethane	2.463	64	173	Below Cal		# 3
14) Methylene Chloride	3.814	84	4532	1.99	ug/L	8
15) Acetone	3.875	43	1059	0.99	ug/L	9

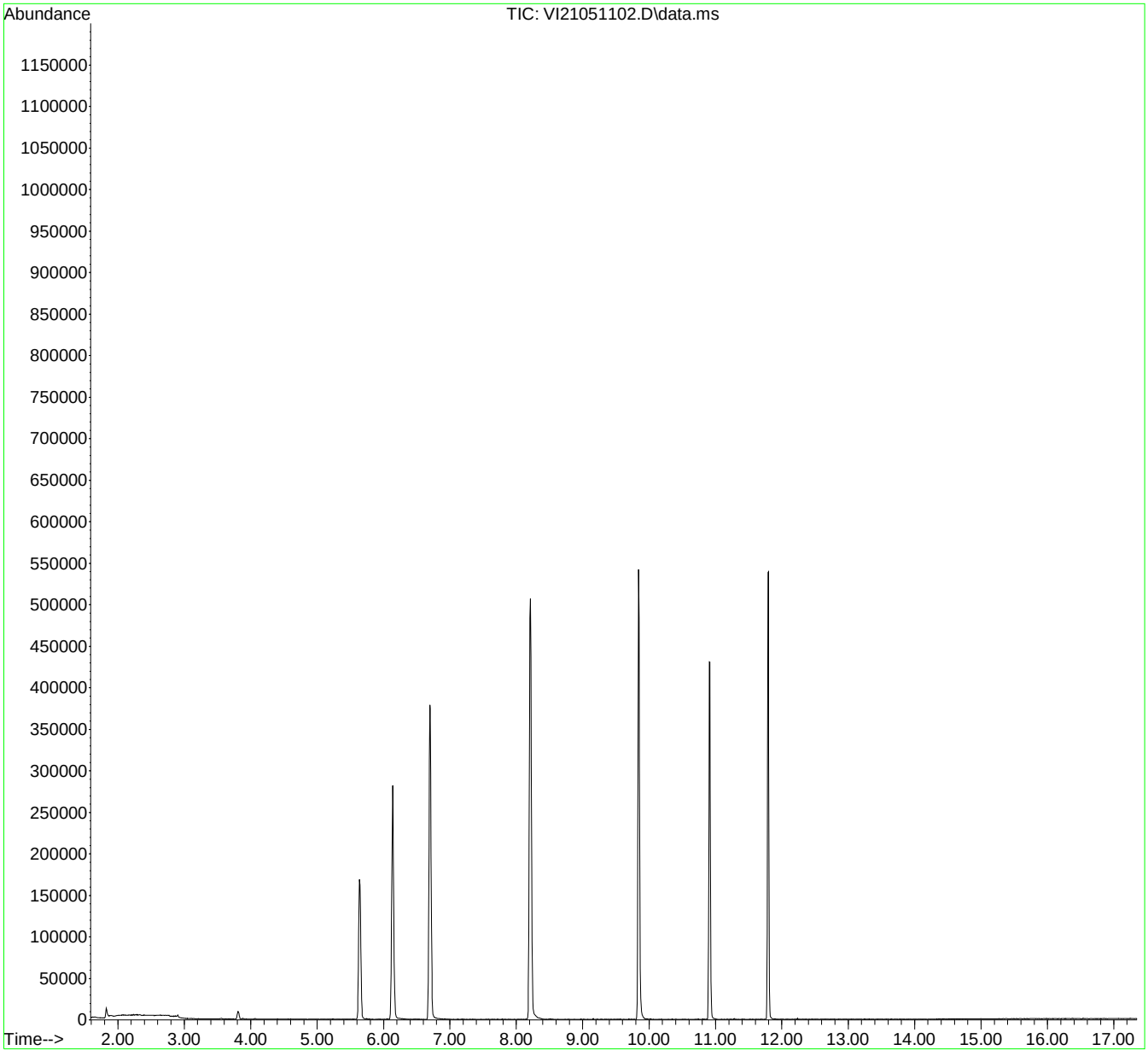
(#) = qualifier out of range (m) = manual integration (+) = signals summe

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051102.D
Acq On : 11 May 2021 12:01 pm
Operator : PS
Sample : 1E11044-TUN1
Misc : 1X 5mL A21B495 BFB (IS/SURR)
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:23 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



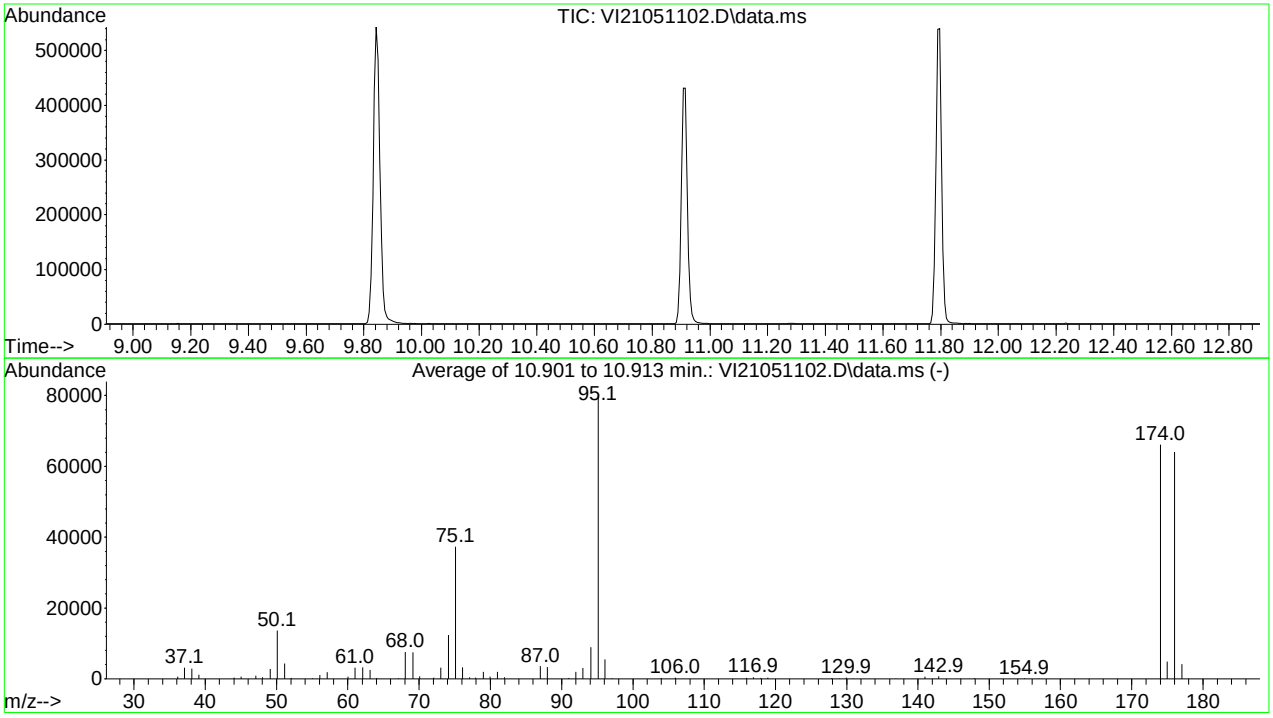
BFB

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051102.D
Acq On : 11 May 2021 12:01 pm
Operator : PS
Sample : 1E11044-TUN1
Misc : 1X 5mL A21B495 BFB (IS/SURR)
ALS Vial : 2 Sample Multiplier: 1

PS 05/12/21

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1526

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	121.0	79955	PASS
96	95	5	9	7.0	5569	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	82.6	66067	PASS
175	174	5	9	7.3	4830	PASS
176	174	95	105	97.0	64059	PASS
177	176	5	10	6.5	4141	PASS

Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	120573	50.00	ug/L	#	0.0
45) Chlorobenzene-d5 (I)	9.843	117	336928	50.00	ug/L		0.0
66) 1,4-Dichlorobenzene-d4...	11.796	152	169541	50.00	ug/L		0.0
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	122917	51.42	ug/L		0.0
39) 1,4-Difluorobenzene (S)	6.704	114	383111	51.44	ug/L		0.0
48) Toluene-d8 (S)	8.212	98	436130	49.04	ug/L		0.0
67) 4-Bromofluorobenzene (S)	10.913	174	135866	47.96	ug/L		0.0
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	24489	20.29	ug/L		9
3) Chloromethane	1.867	50	33327	18.61	ug/L		9
4) Vinyl Chloride	1.965	62	41655	20.34	ug/L		9
5) Bromomethane	2.323	96	21747	21.10	ug/L		9
6) Chloroethane	2.457	64	22635	19.16	ug/L		7
7) Trichlorofluoromethane	2.622	101	48694	21.12	ug/L		9
8) Ethanol	3.163	45	70768	1249.36	ug/L		8
9) 1,1-Dichloroethene	3.181	61	58291	20.33	ug/L		9
10) Carbon Disulfide	3.199	76	93159	19.29	ug/L		9
11) Freon 113	3.236	101	38316	20.34	ug/L		9
12) Iodomethane	3.333	142	32551	20.90	ug/L		9
13) Acrolein	3.558	56	11803	20.22	ug/L		7
14) Methylene Chloride	3.814	84	50147	21.05	ug/L		8
15) Acetone	3.869	43	42253	37.95	ug/L		9
16) t-1,2-Dichloroethene	3.978	61	57761	20.57	ug/L		9
17) n-Hexane	4.063	86	7453	20.99	ug/L	#	8
18) Methyl-tert-butyl-ether	4.100	73	130923	19.60	ug/L		9
19) tert-Butanol (TBA)	4.209	59	709872	1240.21	ug/L		8
20) Diisopropyl ether (DIPE)	4.489	45	30373	5.03	ug/L		9
21) 1,1-Dichloroethane	4.617	63	73857	19.61	ug/L		9
22) Acrylonitrile	4.678	53	24515	20.85	ug/L		9
23) Ethyl-tert-butyl ether...	4.866	59	29987	4.98	ug/L		9
24) Vinyl Acetate	4.885	43	94605	20.22	ug/L		9
25) c-1,2-Dichloroethene	5.171	61	57439	21.08	ug/L		9

Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min
26) 2,2-Dichloropropane	5.280	77	51961	20.64	ug/L		9
27) Bromochloromethane	5.371	130	32821	22.14	ug/L		9
28) Chloroform	5.456	83	77473	20.53	ug/L		9
29) Carbon Tetrachloride	5.584	117	49404	20.04	ug/L		9
30) Tetrahydrofuran	5.621	42	22972	19.30	ug/L		9
31) 1,1,1-Trichloroethane	5.657	97	63586	20.46	ug/L		9
33) 1,1-Dichloropropene	5.791	75	57569	20.70	ug/L		9
34) 2-Butanone (MEK)	5.773	43	70496	40.65	ug/L		9
35) Benzene	6.047	78	175319	19.27	ug/L		9
36) tert-Amyl methyl ether...	6.168	73	28851	4.83	ug/L		9
37) 1,2-Dichloroethane (EDC)	6.260	62	60213	20.85	ug/L		9
38) iso-Butyl Alcohol	6.290	43	106367	495.22	ug/L		9
40) Trichloroethene (TCE)	6.667	130	45768	20.87	ug/L		9
41) Tert-Amyl-Ethyl-Ether ...	6.917	59	20125	4.82	ug/L		8
42) Dibromomethane	7.117	93	30243	21.08	ug/L		9
43) 1,2-Dichloropropane	7.227	63	42378	20.47	ug/L		9
44) Bromodichloromethane	7.300	83	54812	20.66	ug/L		9
46) 2-Chloroethyl Vinyl Ether	7.939	63	30498	19.30	ug/L	#	10
47) c-1,3-Dichloropropene	8.005	75	63155	20.15	ug/L		9
49) Toluene	8.267	91	181504	19.48	ug/L		9
50) Tetrachloroethene (PCE)	8.717	166	46097	19.95	ug/L		9
51) 4-Methyl-2-Pentanone (...	8.711	43	127898	40.32	ug/L		9
52) t-1,3-Dichloropropene	8.760	75	54368	19.46	ug/L		9
53) 1,1,2-Trichloroethane	8.930	97	44589	20.86	ug/L		9
54) Dibromochloromethane	9.113	129	41396	19.93	ug/L		9
55) 1,3-Dichloropropane	9.216	76	72307	20.42	ug/L		9
56) 1,2-Dibromoethane (EDB)	9.350	107	45967	21.41	ug/L		9
57) 2-Hexanone	9.581	43	91437	39.77	ug/L		9
58) Chlorobenzene	9.861	112	119215	20.25	ug/L		9
59) Ethylbenzene	9.879	91	190693	19.80	ug/L		9
60) 1,1,1,2-Tetrachloroethane	9.922	131	37664	20.23	ug/L		9
61) m,p-Xylenes (2)	10.019	91	289413	40.47	ug/L		9
62) o-Xylene	10.402	91	146749	20.88	ug/L		9
63) Styrene	10.451	104	116246	21.46	ug/L		9
64) Bromoform	10.475	173	29334	19.12	ug/L		9
65) Isopropylbenzene	10.670	105	172622	20.89	ug/L		9

Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min
68) Bromobenzene	10.999	156	49312	19.52	ug/L		88
69) n-Propylbenzene	11.011	91	199797	19.80	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	42893	19.71	ug/L		94
71) 2-Chlorotoluene	11.145	126	42431	20.26	ug/L		99
72) 1,3,5-Trimethylbenzene	11.169	105	137442	20.71	ug/L		97
73) 1,2,3-Trichloropropane	11.187	110	20711	19.20	ug/L		84
74) t-1,4-Dichloro-2-butene	11.218	53	14436	20.64	ug/L	#	67
75) 4-Chlorotoluene	11.278	91	126548	19.84	ug/L		97
76) tert-Butylbenzene	11.418	91	76276	19.66	ug/L		90
77) 1,2,4-Trimethylbenzene	11.473	105	137221	21.04	ug/L		97
78) sec-Butylbenzene	11.558	105	163282	20.44	ug/L		99
79) 4-Isopropyltoluene	11.668	119	136237	21.42	ug/L		98
80) 1,3-Dichlorobenzene	11.735	146	83013	20.08	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	87857	19.83	ug/L		95
82) n-Butylbenzene	11.984	91	110502	20.57	ug/L		97
83) 1,2-Dichlorobenzene	12.124	146	80417	20.35	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	12852	18.54	ug/L		85
85) Hexachlorobutadiene	13.237	223	10253	20.99	ug/L		94
86) 1,2,4-Trichlorobenzene	13.274	180	36373	19.94	ug/L		90
87) Naphthalene	13.554	128	106900	17.50	ug/L		98
88) 1,2,3-Trichlorobenzene	13.712	180	32842	19.37	ug/L		97

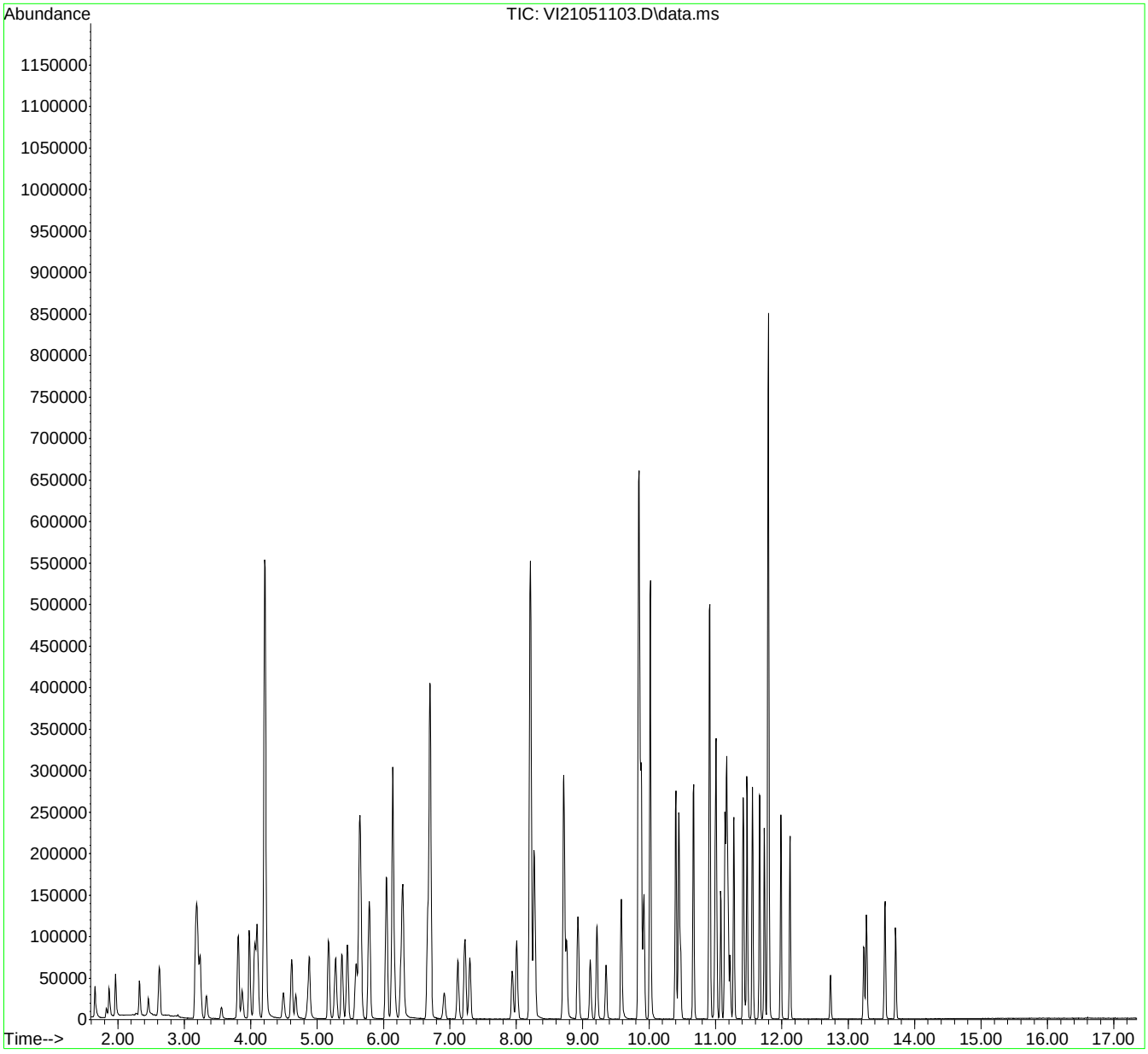
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRO
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/12/21

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	120573	50.00	ug/L	#	0.0
45) Chlorobenzene-d5 (I)	9.843	117	336928	50.00	ug/L		0.0
66) 1,4-Dichlorobenzene-d4...	11.796	152	169541	50.00	ug/L		0.0
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	122917	51.42	ug/L		0.0
39) 1,4-Difluorobenzene (S)	6.704	114	383111	51.44	ug/L		0.0
48) Toluene-d8 (S)	8.212	98	436130	49.04	ug/L		0.0
67) 4-Bromofluorobenzene (S)	10.913	174	135866	47.96	ug/L		0.0
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	24489	20.29	ug/L		9
3) Chloromethane	1.867	50	33327	18.61	ug/L		9
4) Vinyl Chloride	1.965	62	41655	20.34	ug/L		9
5) Bromomethane	2.323	96	21747	21.10	ug/L		9
6) Chloroethane	2.457	64	22635	19.16	ug/L		7
7) Trichlorofluoromethane	2.622	101	48694	21.12	ug/L		9
8) Ethanol	3.163	45	70768	1249.36	ug/L		8
9) 1,1-Dichloroethene	3.181	61	58291	20.33	ug/L		9
10) Carbon Disulfide	3.199	76	93159	19.29	ug/L		9
11) Freon 113	3.236	101	38316	20.34	ug/L		9
12) Iodomethane	3.333	142	32551	20.90	ug/L		9
13) Acrolein	3.558	56	11803	20.22	ug/L		7
14) Methylene Chloride	3.814	84	50147	21.05	ug/L		8
15) Acetone	3.869	43	42253	37.95	ug/L		9
16) t-1,2-Dichloroethene	3.978	61	57761	20.57	ug/L		9
17) n-Hexane	4.063	86	7453	20.99	ug/L	#	8
18) Methyl-tert-butyl-ether	4.100	73	130923	19.60	ug/L		9
19) tert-Butanol (TBA)	4.209	59	709872	1240.21	ug/L		8
20) Diisopropyl ether (DIPE)	4.489	45	30373	5.03	ug/L		9
21) 1,1-Dichloroethane	4.617	63	73857	19.61	ug/L		9
22) Acrylonitrile	4.678	53	24515	20.85	ug/L		9
23) Ethyl-tert-butyl ether...	4.866	59	29987	4.98	ug/L		9
24) Vinyl Acetate	4.885	43	94605	20.22	ug/L		9
25) c-1,2-Dichloroethene	5.171	61	57439	21.08	ug/L		9

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min
26) 2,2-Dichloropropane	5.280	77	51961	20.64	ug/L		99
27) Bromochloromethane	5.371	130	32821	22.14	ug/L		93
28) Chloroform	5.456	83	77473	20.53	ug/L		97
29) Carbon Tetrachloride	5.584	117	49404	20.04	ug/L		95
30) Tetrahydrofuran	5.621	42	22972	19.30	ug/L		91
31) 1,1,1-Trichloroethane	5.657	97	63586	20.46	ug/L		97
33) 1,1-Dichloropropene	5.791	75	57569	20.70	ug/L		95
34) 2-Butanone (MEK)	5.773	43	70496	40.65	ug/L		99
35) Benzene	6.047	78	175319	19.27	ug/L		96
36) tert-Amyl methyl ether...	6.168	73	28851	4.83	ug/L		99
37) 1,2-Dichloroethane (EDC)	6.260	62	60213	20.85	ug/L		93
38) iso-Butyl Alcohol	6.290	43	106367	495.22	ug/L		95
40) Trichloroethene (TCE)	6.667	130	45768	20.87	ug/L		95
41) Tert-Amyl-Ethyl-Ether ...	6.917	59	20125	4.82	ug/L		84
42) Dibromomethane	7.117	93	30243	21.08	ug/L		95
43) 1,2-Dichloropropane	7.227	63	42378	20.47	ug/L		94
44) Bromodichloromethane	7.300	83	54812	20.66	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.939	63	30498	19.30	ug/L	#	100
47) c-1,3-Dichloropropene	8.005	75	63155	20.15	ug/L		90
49) Toluene	8.267	91	181504	19.48	ug/L		98
50) Tetrachloroethene (PCE)	8.717	166	46097	19.95	ug/L		91
51) 4-Methyl-2-Pentanone (...	8.711	43	127898	40.32	ug/L		96
52) t-1,3-Dichloropropene	8.760	75	54368	19.46	ug/L		99
53) 1,1,2-Trichloroethane	8.930	97	44589	20.86	ug/L		91
54) Dibromochloromethane	9.113	129	41396	19.93	ug/L		99
55) 1,3-Dichloropropane	9.216	76	72307	20.42	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	45967	21.41	ug/L		94
57) 2-Hexanone	9.581	43	91437	39.77	ug/L		92
58) Chlorobenzene	9.861	112	119215	20.25	ug/L		99
59) Ethylbenzene	9.879	91	190693	19.80	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	37664	20.23	ug/L		98
61) m,p-Xylenes (2)	10.019	91	289413	40.47	ug/L		99
62) o-Xylene	10.402	91	146749	20.88	ug/L		99
63) Styrene	10.451	104	116246	21.46	ug/L		97
64) Bromoform	10.475	173	29334	19.12	ug/L		98
65) Isopropylbenzene	10.670	105	172622	20.89	ug/L		98

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min
68) Bromobenzene	10.999	156	49312	19.52	ug/L		88
69) n-Propylbenzene	11.011	91	199797	19.80	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	42893	19.71	ug/L		94
71) 2-Chlorotoluene	11.145	126	42431	20.26	ug/L		99
72) 1,3,5-Trimethylbenzene	11.169	105	137442	20.71	ug/L		97
73) 1,2,3-Trichloropropane	11.187	110	20711	19.20	ug/L		84
74) t-1,4-Dichloro-2-butene	11.218	53	14436	20.64	ug/L	#	67
75) 4-Chlorotoluene	11.278	91	126548	19.84	ug/L		97
76) tert-Butylbenzene	11.418	91	76276	19.66	ug/L		90
77) 1,2,4-Trimethylbenzene	11.473	105	137221	21.04	ug/L		97
78) sec-Butylbenzene	11.558	105	163282	20.44	ug/L		99
79) 4-Isopropyltoluene	11.668	119	136237	21.42	ug/L		98
80) 1,3-Dichlorobenzene	11.735	146	83013	20.08	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	87857	19.83	ug/L		95
82) n-Butylbenzene	11.984	91	110502	20.57	ug/L		97
83) 1,2-Dichlorobenzene	12.124	146	80417	20.35	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	12852	18.54	ug/L		85
85) Hexachlorobutadiene	13.237	223	10253	20.99	ug/L		94
86) 1,2,4-Trichlorobenzene	13.274	180	36373	19.94	ug/L		90
87) Naphthalene	13.554	128	106900	17.50	ug/L		98
88) 1,2,3-Trichlorobenzene	13.712	180	32842	19.37	ug/L		97

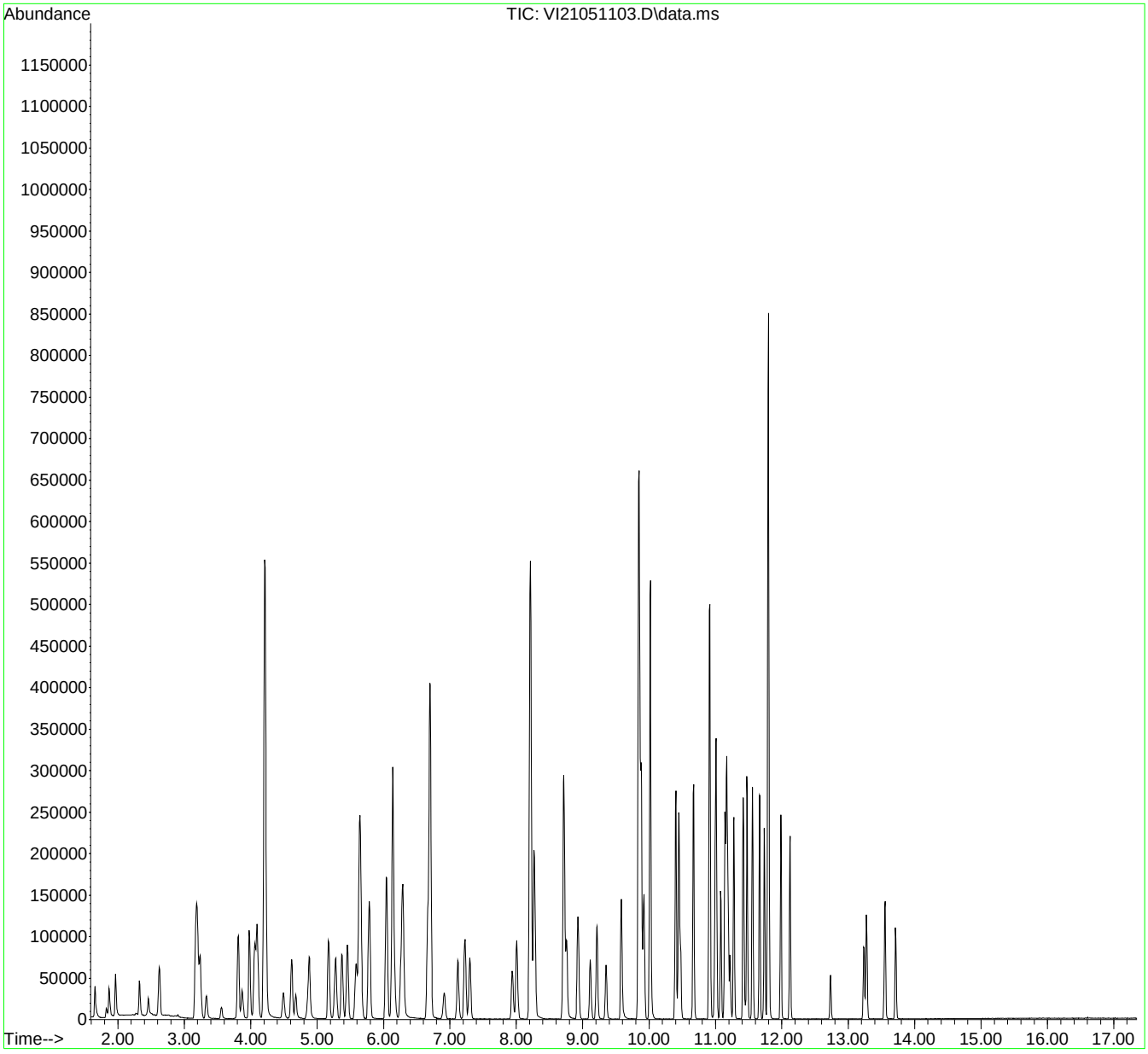
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRO
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051103.D
Acq On : 11 May 2021 12:29 pm
Operator : PS
Sample : 1050350-BS1
Misc : 1X 5mL A21E114 20-40PPB VOCRC
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/12/21

Quant Time: May 12 15:18:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50mi
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	91	0.00
2		Dichlorodifluoromethane	20.000	20.290	-1.4	95	0.00
3	P	Chloromethane	20.000	18.606	7.0	96	0.00
4	C	Vinyl Chloride	20.000	20.343	-1.7	97	0.00
5		Bromomethane	20.000	21.103	-5.5	111	0.00
6		Chloroethane	20.000	19.158	4.2	94	0.00
7		Trichlorofluoromethane	20.000	21.117	-5.6	101	0.00
8		Ethanol	1250.000	1249.355	0.1	93	0.00
9	C	1,1-Dichloroethene	20.000	20.332	-1.7	98	0.00
10		Carbon Disulfide	20.000	19.291	3.5	96	0.00
11		Freon 113	20.000	20.339	-1.7	97	0.00
12		Iodomethane	20.000	20.895	-4.5	105	0.00
13		Acrolein	20.000	20.221	-1.1	95	0.00
14		Methylene Chloride	20.000	21.054	-5.3	101	0.00
15		Acetone	40.000	37.946	5.1	96	0.00
16		t-1,2-Dichloroethene	20.000	20.571	-2.9	96	0.00
17		n-Hexane	20.000	20.989	-4.9	99	0.00
18		Methyl-tert-butyl-ether	20.000	19.602	2.0	93	0.00
19		tert-Butanol (TBA)	1250.000	1240.210	0.8	93	0.00
20		Diisopropyl ether (DIPE)	5.000	5.025	-0.5	94	0.00
21	P	1,1-Dichloroethane	20.000	19.607	2.0	96	0.00
22		Acrylonitrile	20.000	20.848	-4.2	96	0.00
23		Ethyl-tert-butyl ether (ET	5.000	4.978	0.4	92	0.00
24		Vinyl Acetate	20.000	20.215	-1.1	96	0.00
25		c-1,2-Dichloroethene	20.000	21.077	-5.4	98	0.00
26		2,2-Dichloropropane	20.000	20.644	-3.2	99	0.00
27		Bromochloromethane	20.000	22.142	-10.7	101	0.00
28	C	Chloroform	20.000	20.533	-2.7	98	0.00
29		Carbon Tetrachloride	20.000	20.039	-0.2	93	0.00
30		Tetrahydrofuran	20.000	19.296	3.5	95	0.00
31		1,1,1-Trichloroethane	20.000	20.457	-2.3	96	0.00
32	S	Dibromofluoromethane (S)	50.000	51.421	-2.8	94	0.00
33		1,1-Dichloropropene	20.000	20.696	-3.5	98	0.00
34		2-Butanone (MEK)	40.000	40.647	-1.6	95	0.00
35		Benzene	20.000	19.271	3.6	97	0.00
36		tert-Amyl methyl ether (TA	5.000	4.827	3.5	92	0.00
37		1,2-Dichloroethane (EDC)	20.000	20.846	-4.2	98	0.00
38		iso-Butyl Alcohol	500.000	495.219	1.0	93	0.00
39	S	1,4-Difluorobenzene (S)	50.000	51.436	-2.9	94	0.00
40		Trichloroethene (TCE)	20.000	20.868	-4.3	99	0.00
41		Tert-Amyl-Ethyl-Ether (TAEE	5.000	4.824	3.5	88	0.00
42		Dibromomethane	20.000	21.080	-5.4	97	0.00
43	C	1,2-Dichloropropane	20.000	20.474	-2.4	97	0.00
44		Bromodichloromethane	20.000	20.663	-3.3	98	0.00

45		Chlorobenzene-d5 (I)	50.000	50.000	0.0	95	0.00
46		2-Chloroethyl Vinyl Ether	20.000	19.299	3.5	93	0.00
47		c-1,3-Dichloropropene	20.000	20.154	-0.8	95	0.00
48	S	Toluene-d8 (S)	50.000	49.038	1.9	93	0.00
49	C	Toluene	20.000	19.479	2.6	99	0.00
50		Tetrachloroethene (PCE)	20.000	19.946	0.3	100	0.00
51		4-Methyl-2-Pentanone (MIBK)	40.000	40.320	-0.8	96	0.00
52		t-1,3-Dichloropropene	20.000	19.460	2.7	95	0.00
53		1,1,2-Trichloroethane	20.000	20.857	-4.3	100	0.00
54		Dibromochloromethane	20.000	19.934	0.3	97	0.00
55		1,3-Dichloropropane	20.000	20.422	-2.1	98	0.00
56		1,2-Dibromoethane (EDB)	20.000	21.408	-7.0	99	0.00
57		2-Hexanone	40.000	39.770	0.6	94	0.00
58	P	Chlorobenzene	20.000	20.246	-1.2	101	0.00
59	C	Ethylbenzene	20.000	19.804	1.0	99	0.00
60		1,1,1,2-Tetrachloroethane	20.000	20.230	-1.2	98	0.00
61		m,p-Xylenes (2)	40.000	40.473	-1.2	98	0.00
62		o-Xylene	20.000	20.880	-4.4	98	0.00
63		Styrene	20.000	21.460	-7.3	98	0.00
64	P	Bromoform	20.000	19.115	4.4	95	0.00
65		Isopropylbenzene	20.000	20.888	-4.4	98	0.00
66	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	95	0.00
67	S	4-Bromofluorobenzene (S)	50.000	47.961	4.1	94	0.00
68		Bromobenzene	20.000	19.525	2.4	99	0.00
69		n-Propylbenzene	20.000	19.796	1.0	99	0.00
70	P	1,1,2,2-Tetrachloroethane	20.000	19.712	1.4	100	0.00
71		2-Chlorotoluene	20.000	20.265	-1.3	98	0.00
72		1,3,5-Trimethylbenzene	20.000	20.707	-3.5	99	0.00
73		1,2,3-Trichloropropane	20.000	19.199	4.0	101	0.00
74		t-1,4-Dichloro-2-butene	20.000	20.636	-3.2	98	0.00
75		4-Chlorotoluene	20.000	19.842	0.8	98	0.00
76		tert-Butylbenzene	20.000	19.661	1.7	96	0.00
77		1,2,4-Trimethylbenzene	20.000	21.036	-5.2	98	0.00
78		sec-Butylbenzene	20.000	20.437	-2.2	97	0.00
79		4-Isopropyltoluene	20.000	21.416	-7.1	97	0.00
80		1,3-Dichlorobenzene	20.000	20.079	-0.4	100	0.00
81		1,4-Dichlorobenzene	20.000	19.830	0.9	101	0.00
82		n-Butylbenzene	20.000	20.568	-2.8	95	0.00
83		1,2-Dichlorobenzene	20.000	20.354	-1.8	101	0.00
84		1,2-Dibromo-3-Chloropropane	20.000	18.544	7.3	94	0.00
85		Hexachlorobutadiene	20.000	20.987	-4.9	96	0.00
86		1,2,4-Trichlorobenzene	20.000	19.944	0.3	95	0.00
87		Naphthalene	20.000	17.501	12.5	91	0.00
88		1,2,3-Trichlorobenzene	20.000	19.372	3.1	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = (

I210510W.M Wed May 12 15:19:25 2021

Evaluate Continuing Calibration Report

Data Path : L:\data\2021-05\1E11044\
Data File : VI21051104.D
Acq On : 11 May 2021 12:57 pm
Operator : PS
Sample : 1050350-BS2
Misc : 1X 5mL A21C295 500PPB GX
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 15:19:47 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	102	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	48.884	2.2	101	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	55.106	-10.2	104	0.00
4	H	NWTPH-Gx (TPH)	500.000	480.233	4.0	112	0.00
5	H	TPHg (C5-C9)	500.000	496.404	0.7	115	0.00
6	H	TPHg (C6-C10)	500.000	494.059	1.2	114	0.00
7	H	CA-LUFT (C5-C12)	500.000	487.924	2.4	116	0.00
8		Benzene (NR)	-1.000	0.000	0.0	110	0.00
9	S	Toluene-d8 (NR)	-1.000	0.000	0.0	102	0.00
10		Toluene (NR)	-1.000	0.000	0.0	109	0.00
11	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	102	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	103	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	124	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051104.D
Acq On : 11 May 2021 12:57 pm
Operator : PS
Sample : 1050350-BS2
Misc : 1X 5mL A21C295 500PPB GX
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:19:47 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	251318	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	398129	48.88	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	134229	55.11	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	453400	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	344348	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	248291	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	3294873m	480.23	ug/l	
5) TPHg (C5-C9)	9.890	TIC	4700262m	496.40	ug/l	
6) TPHg (C6-C10)	9.890	TIC	3985532m	494.06	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	5473671m	487.92	ug/l	

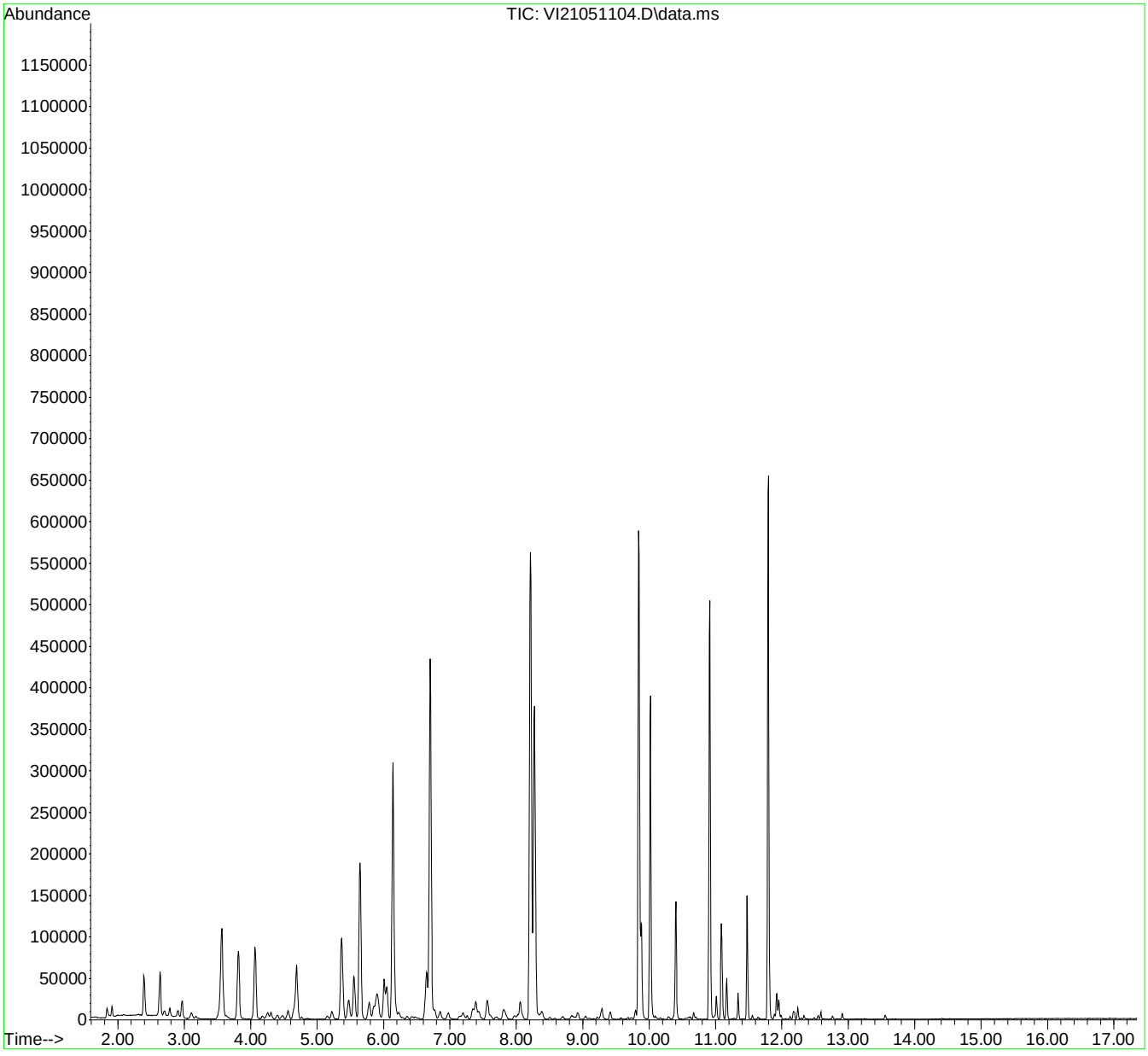
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051104.D
Acq On : 11 May 2021 12:57 pm
Operator : PS
Sample : 1050350-BS2
Misc : 1X 5mL A21C295 500PPB GX
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:19:47 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

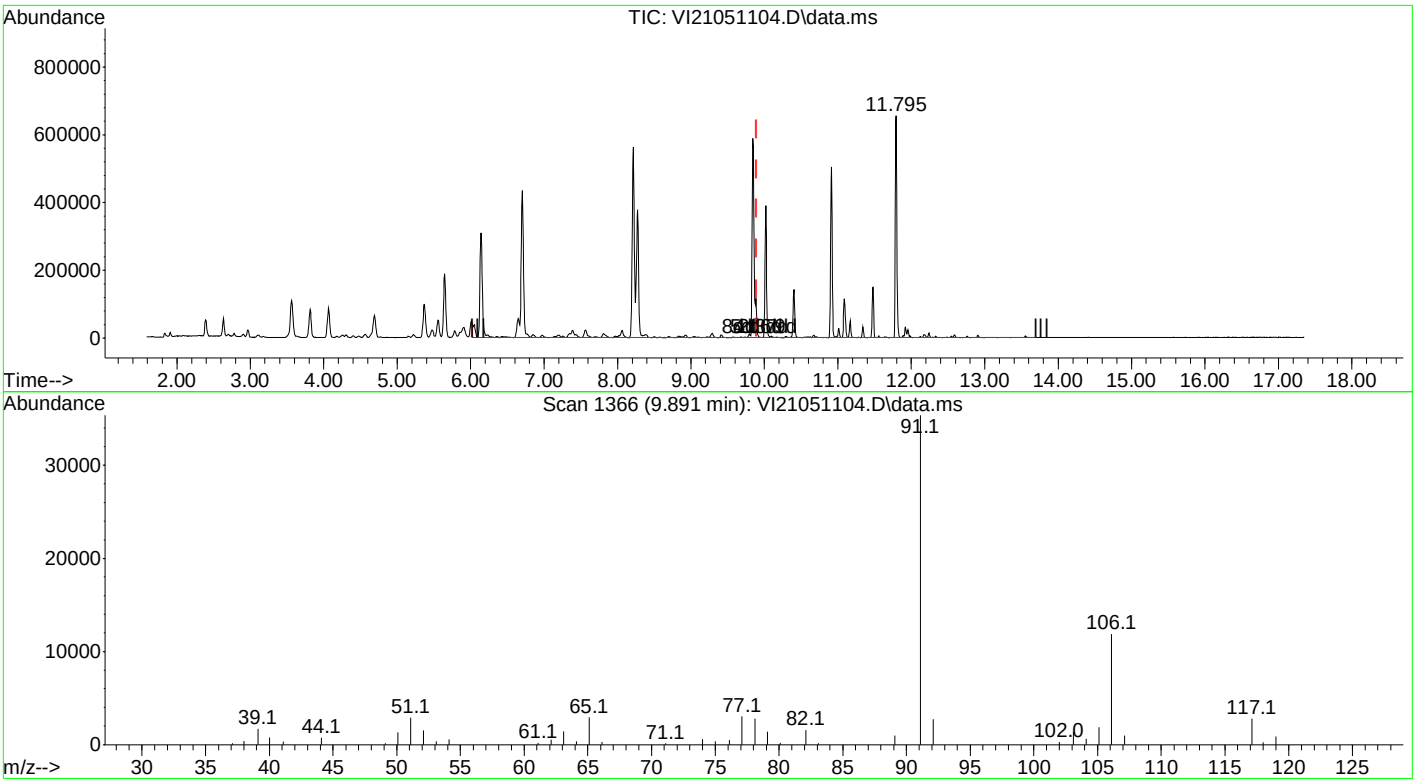


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051104.D
Acq On : 11 May 2021 12:57 pm
Operator : PS
Sample : 1050350-BS2
Misc : 1X 5mL A21C295 500PPB GX
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:19:47 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051104.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 480.23 ug/L m

response 3294873

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051104.D
Acq On : 11 May 2021 12:57 pm
Operator : PS
Sample : 1050350-BS2
Misc : 1X 5mL A21C295 500PPB GX
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M PS 05/12/21

Quant Time: May 12 15:19:47 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	251318	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	398129	48.88	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	134229	55.11	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	453400	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	344348	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	248291	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	3294873m	480.23	ug/l	
5) TPHg (C5-C9)	9.890	TIC	4700262m	496.40	ug/l	
6) TPHg (C6-C10)	9.890	TIC	3985532m	494.06	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	5473671m	487.92	ug/l	

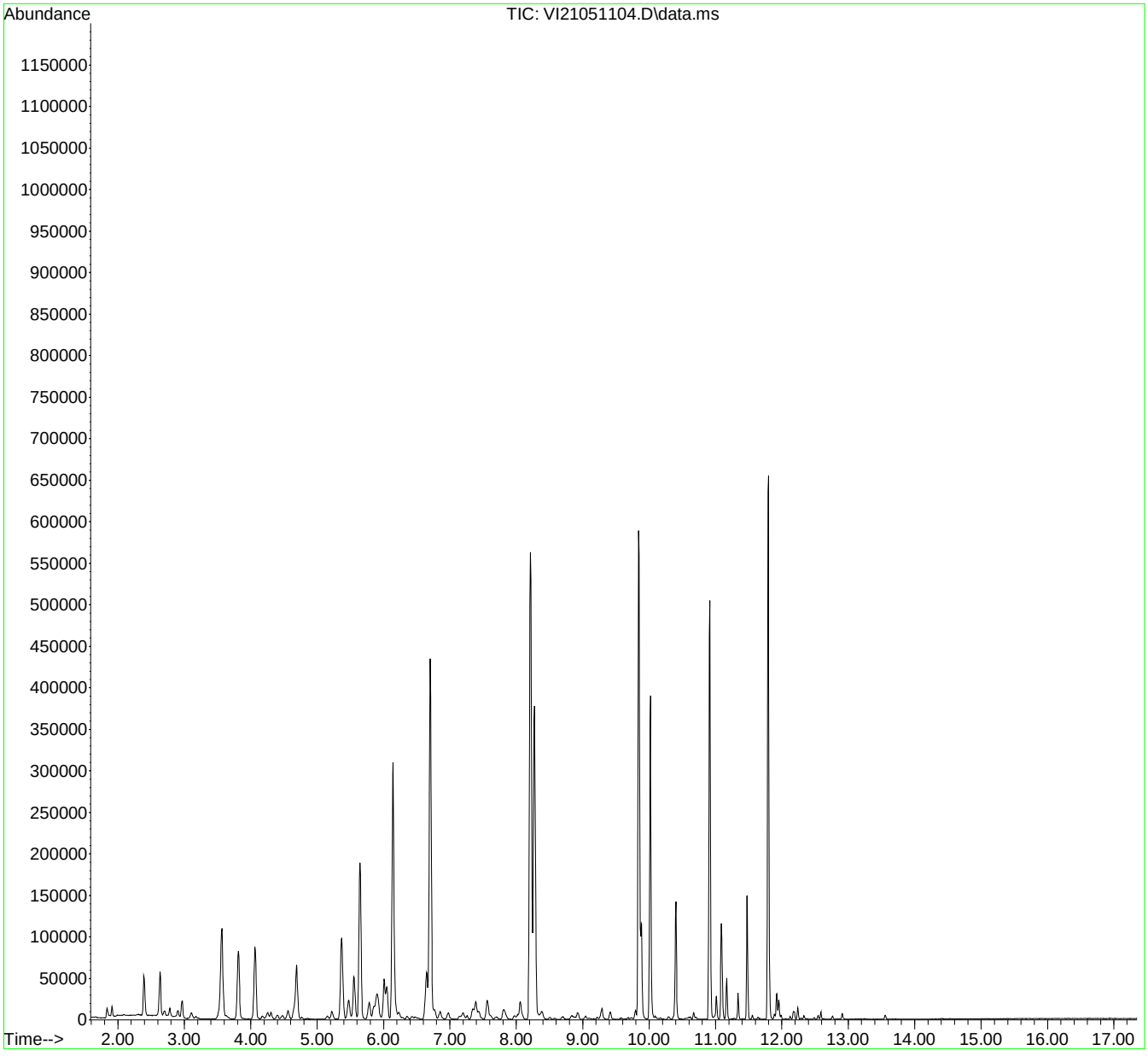
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051104.D
Acq On : 11 May 2021 12:57 pm
Operator : PS
Sample : 1050350-BS2
Misc : 1X 5mL A21C295 500PPB GX
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:19:47 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	119543	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	318212	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	139544	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	118570	50.03	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.704	114	375154	50.80	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	423196	50.38	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	120478	51.67	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.831	50	265	0.15	ug/L	# 4
6) Chloroethane	2.451	64	164	Below Cal		# 3
14) Methylene Chloride	3.814	84	13582	5.75	ug/L	8
15) Acetone	3.887	43	1123	1.02	ug/L	8

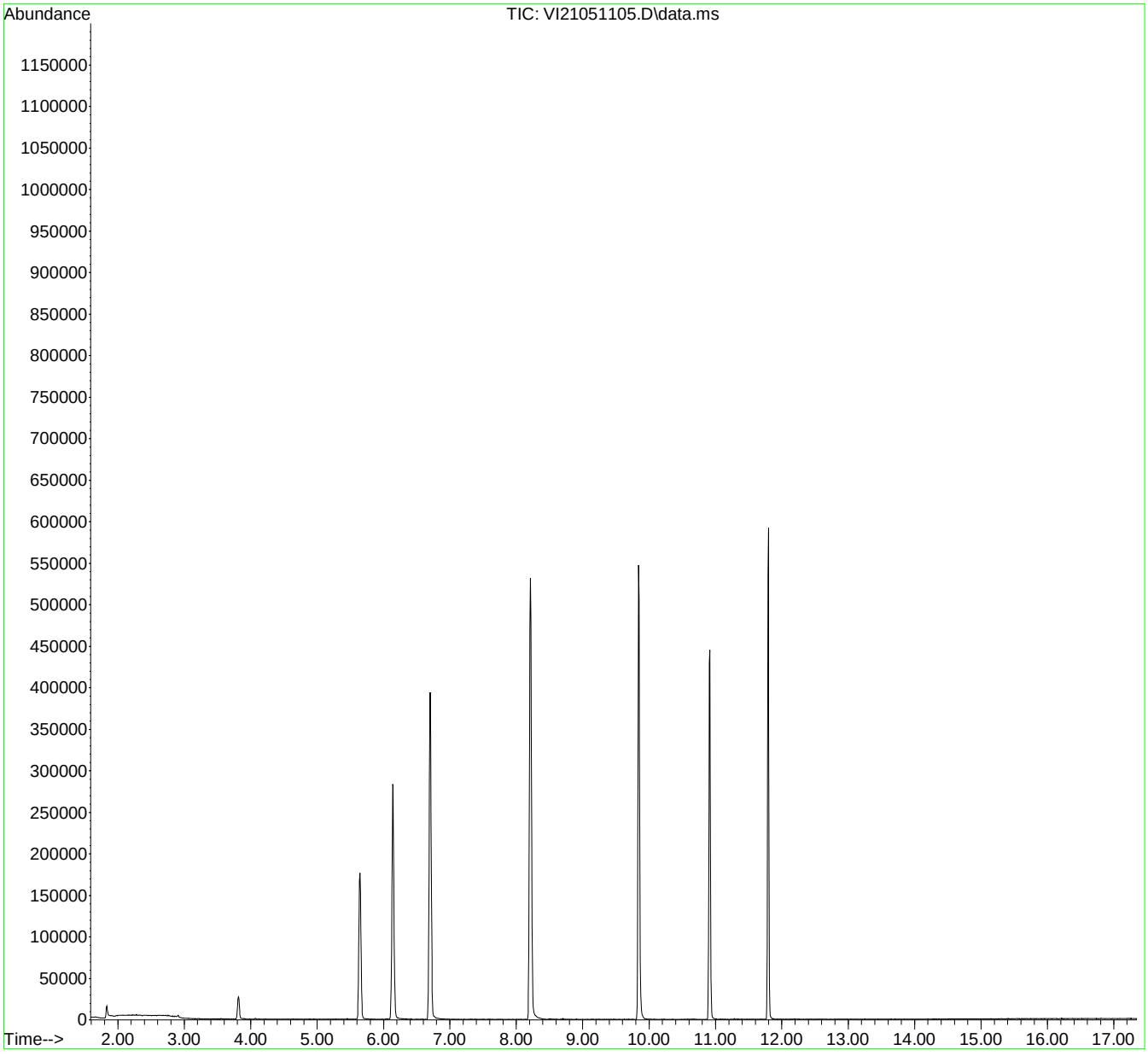
(#) = qualifier out of range (m) = manual integration (+) = signals summe

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

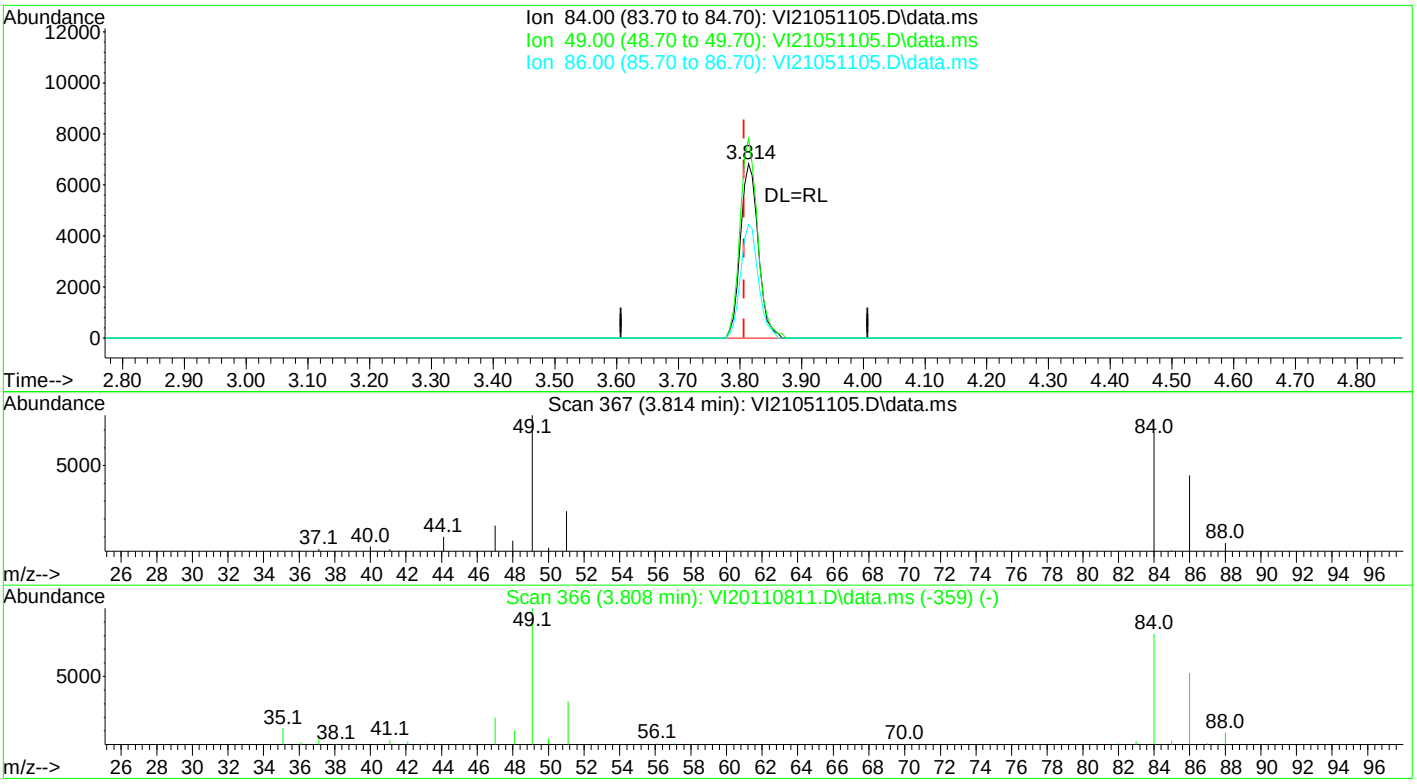


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:20:06 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051105.D\data.ms

(14) Methylene Chloride

3.814min (+ 0.007) 5.75 ug/L

response 13582

Ion	Exp%	Act%
84.00	100.00	100.00
49.00	134.70	114.63
86.00	61.50	65.08
0.00	0.00	0.00

B02

VI210510W.M Wed May 12 15:20:36 2021 Page: 1

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M PS 05/12/21

Quant Time: May 12 15:21:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	119543	50.00	ug/L	# 0.0(
45) Chlorobenzene-d5 (I)	9.843	117	318212	50.00	ug/L	0.0(
66) 1,4-Dichlorobenzene-d4...	11.795	152	139544	50.00	ug/L	0.0(
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	118570	50.03	ug/L	0.0(
39) 1,4-Difluorobenzene (S)	6.704	114	375154	50.80	ug/L	0.0(
48) Toluene-d8 (S)	8.212	98	423196	50.38	ug/L	0.0(
67) 4-Bromofluorobenzene (S)	10.913	174	120478	51.67	ug/L	0.0(
Target Compounds						Qvalue
3) Chloromethane	1.831	50	265	0.15	ug/L	# 4
6) Chloroethane	2.451	64	164	Below Cal		# 3(
14) Methylene Chloride	3.814	84	13582	5.75	ug/L	8
15) Acetone	3.887	43	1123	1.02	ug/L	8

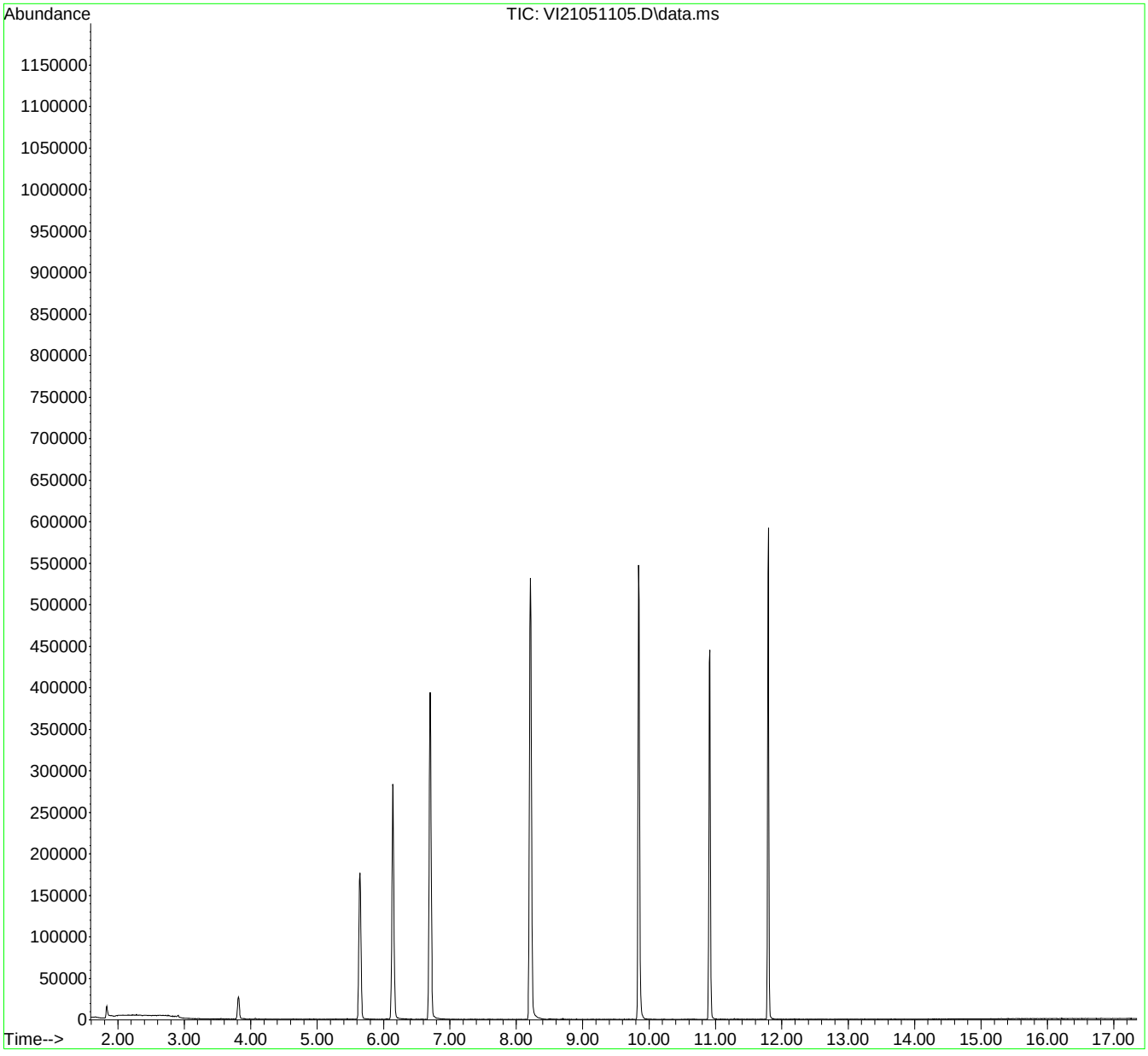
(#) = qualifier out of range (m) = manual integration (+) = signals summe(

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:38 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	235697	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	376808	49.33	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	120478	52.74	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	423742	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	318579	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	216755	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	19965m	30.41	ug/l	
5) TPHg (C5-C9)	9.890	TIC	440194m	21.05	ug/l	
6) TPHg (C6-C10)	9.890	TIC	363035m	16.99	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	468049m	26.94	ug/l	

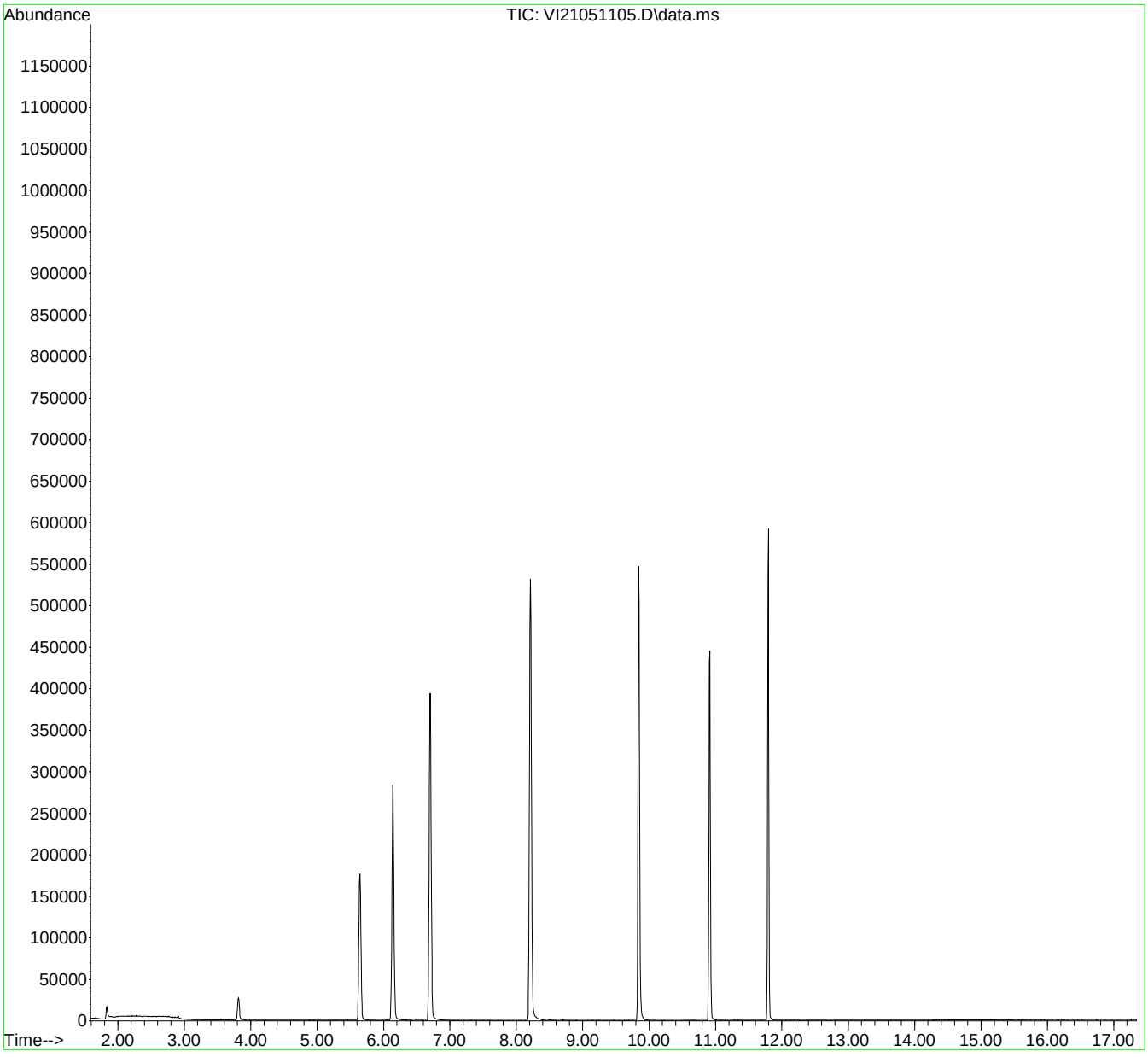
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:38 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

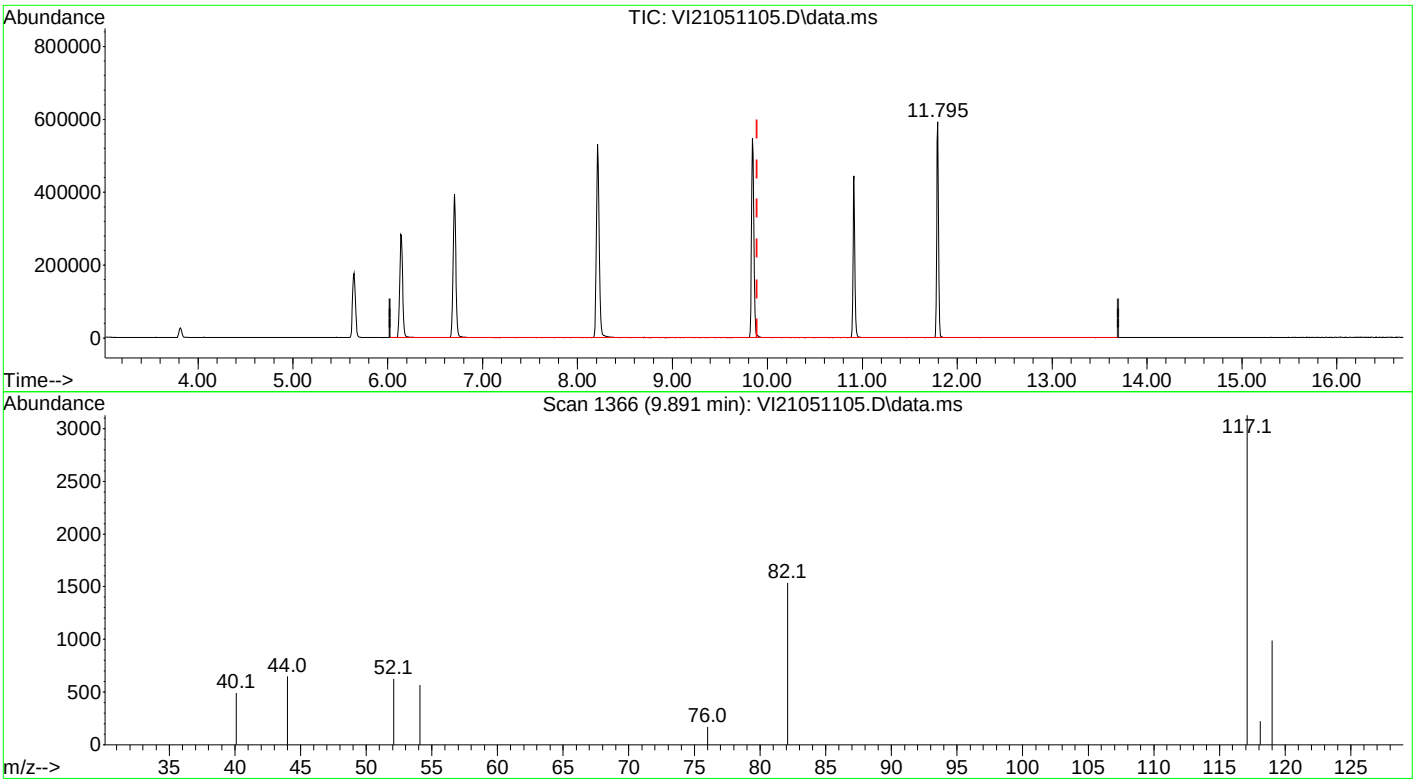


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:38 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051105.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 30.41 ug/L m

response 19965

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1 PS 05/12/21
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:38 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	235697	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	376808	49.33	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	120478	52.74	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	423742	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	318579	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	216755	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	19965m	30.41	ug/l	
5) TPHg (C5-C9)	9.890	TIC	440194m	21.05	ug/l	
6) TPHg (C6-C10)	9.890	TIC	363035m	16.99	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	468049m	26.94	ug/l	

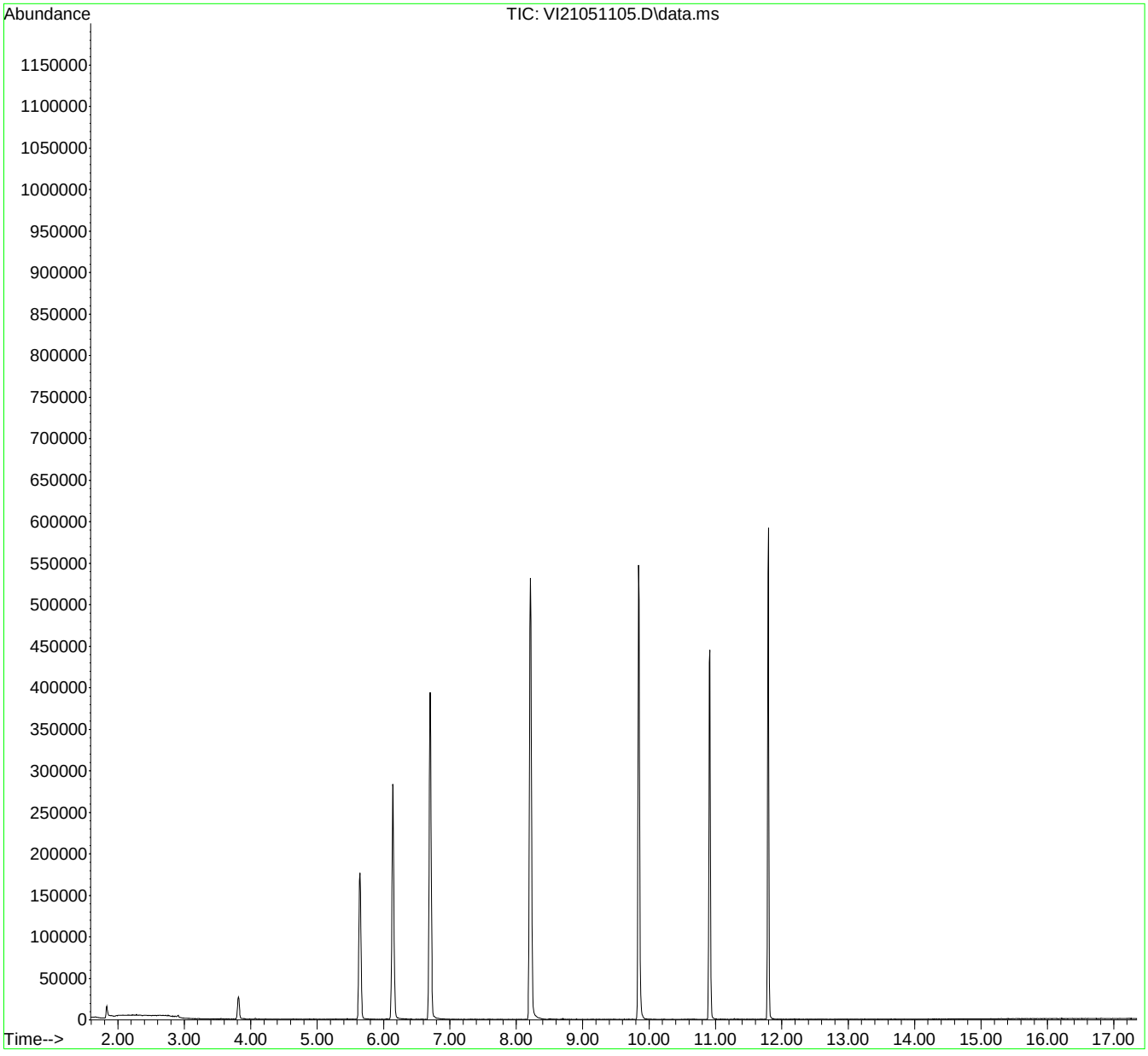
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051105.D
Acq On : 11 May 2021 1:24 pm
Operator : PS
Sample : 1050350-BLK1
Misc : 1X 5mL DI
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:21:38 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051115.D
Acq On : 11 May 2021 6:04 pm
Operator : PS
Sample : A1E0219-01
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:30:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	113794	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	312430	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	137584	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.639	111	115432	51.17	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.697	114	363124	51.66	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	411306	49.87	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	117941	51.30	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.867	50	1795	1.06	ug/L	# 4
6) Chloroethane	2.463	64	3756	2.69	ug/L	# 4
10) Carbon Disulfide	3.193	76	642	0.14	ug/L	7
14) Methylene Chloride	3.808	84	1339	0.60	ug/L	9
15) Acetone	3.875	43	5451	5.19	ug/L	9

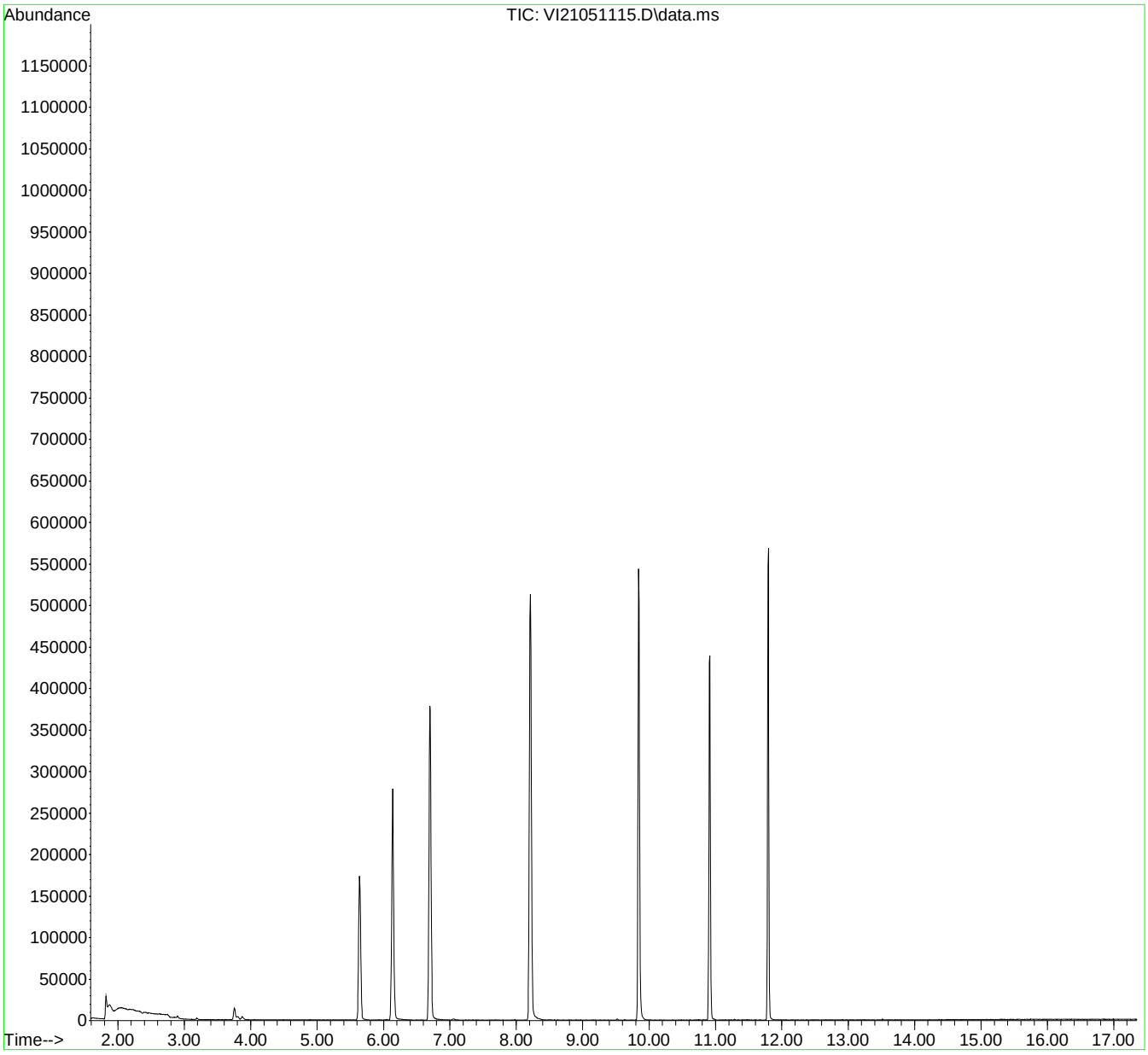
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051115.D
Acq On : 11 May 2021 6:04 pm
Operator : PS
Sample : A1E0219-01
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:30:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

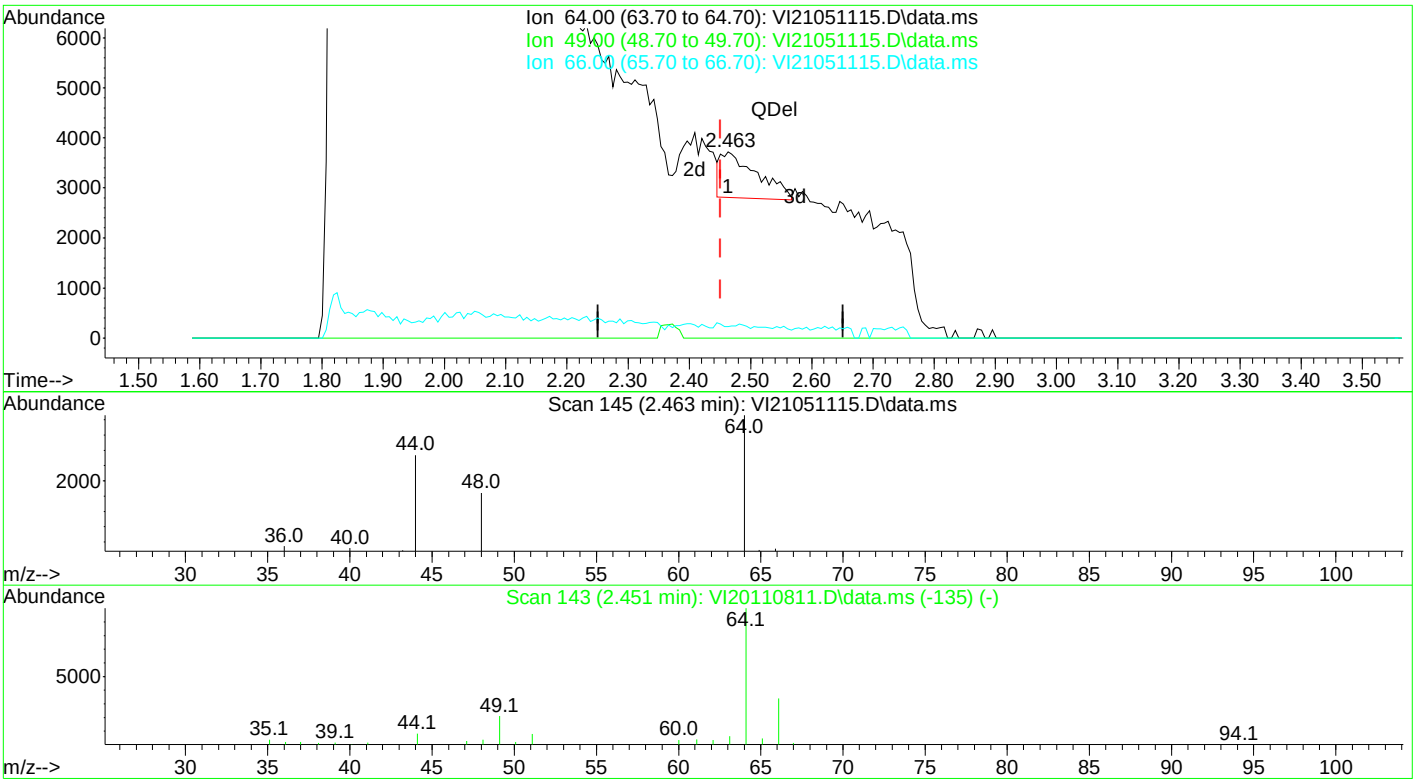


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051115.D
Acq On : 11 May 2021 6:04 pm
Operator : PS
Sample : A1E0219-01
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:30:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051115.D\data.ms

(6) Chloroethane

2.463min (+ 0.012) 2.69 ug/L

response 3756

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	0.00#
66.00	38.90	6.13#
0.00	0.00	0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051115.D
Acq On : 11 May 2021 6:04 pm
Operator : PS
Sample : A1E0219-01
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 15 Sample Multiplier: 1

PS 05/12/21

DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:06 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	113794	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	312430	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	137584	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.639	111	115432	51.17	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.697	114	363124	51.66	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	411306	49.87	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	117941	51.30	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.867	50	1795	1.06	ug/L	# 4
10) Carbon Disulfide	3.193	76	642	0.14	ug/L	7
14) Methylene Chloride	3.808	84	1339	0.60	ug/L	9
15) Acetone	3.875	43	5451	5.19	ug/L	9

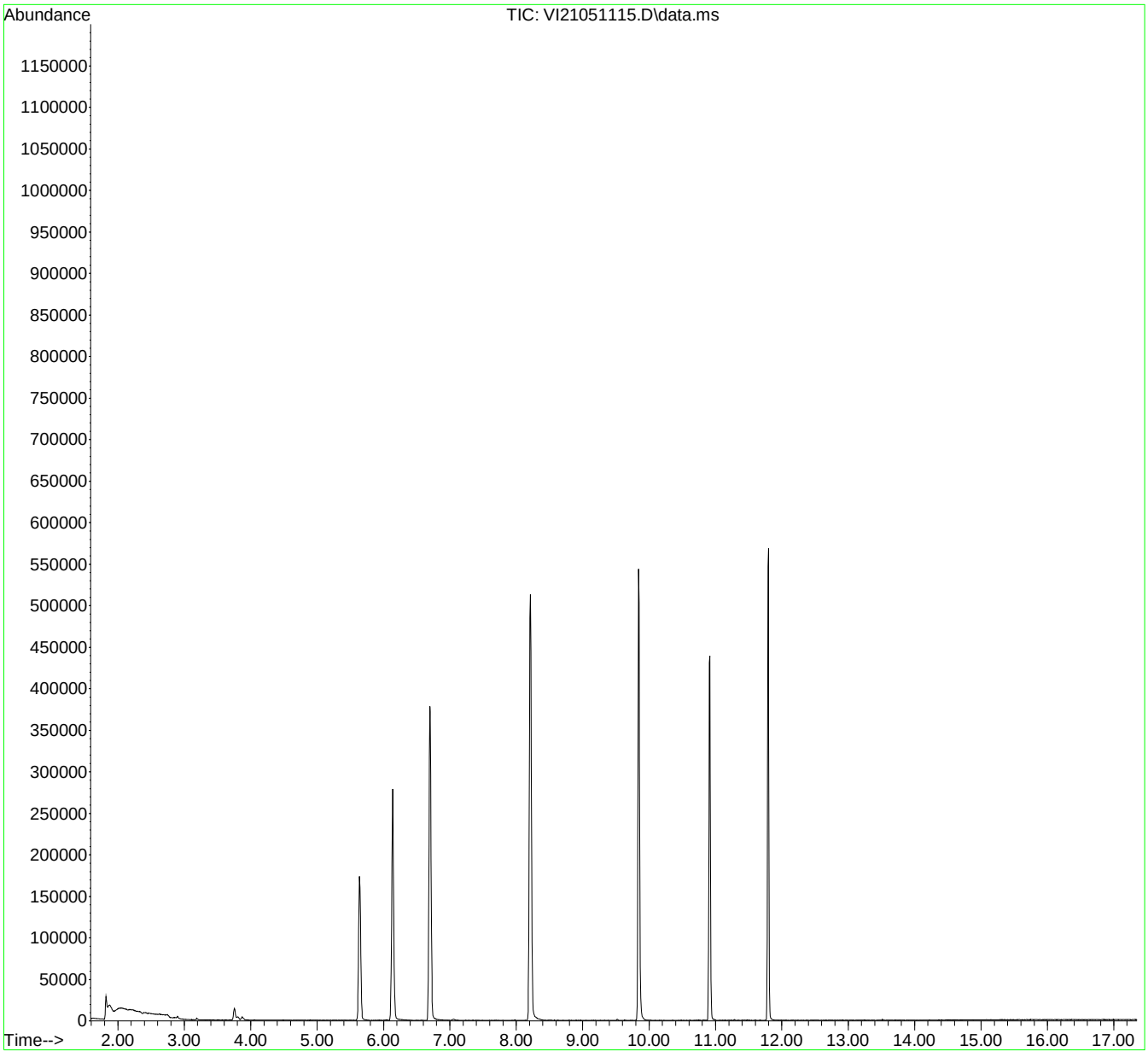
(#) = qualifier out of range (m) = manual integration (+) = signals summe

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051115.D
Acq On : 11 May 2021 6:04 pm
Operator : PS
Sample : A1E0219-01
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:06 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051116.D
Acq On : 11 May 2021 6:31 pm
Operator : PS
Sample : A1E0219-02
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:20 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	113699	50.00	ug/L	0.0
45) Chlorobenzene-d5 (I)	9.843	117	306638	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	132288	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	114780	50.92	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.703	114	358977	51.11	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	406601	50.23	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	114701	51.89	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.867	50	1379	0.82	ug/L	# 4
6) Chloroethane	2.427	64	5393	4.12	ug/L	# 4
10) Carbon Disulfide	3.205	76	545	0.12	ug/L	7
14) Methylene Chloride	3.814	84	1447	0.64	ug/L	8
15) Acetone	3.881	43	3262	3.11	ug/L	9

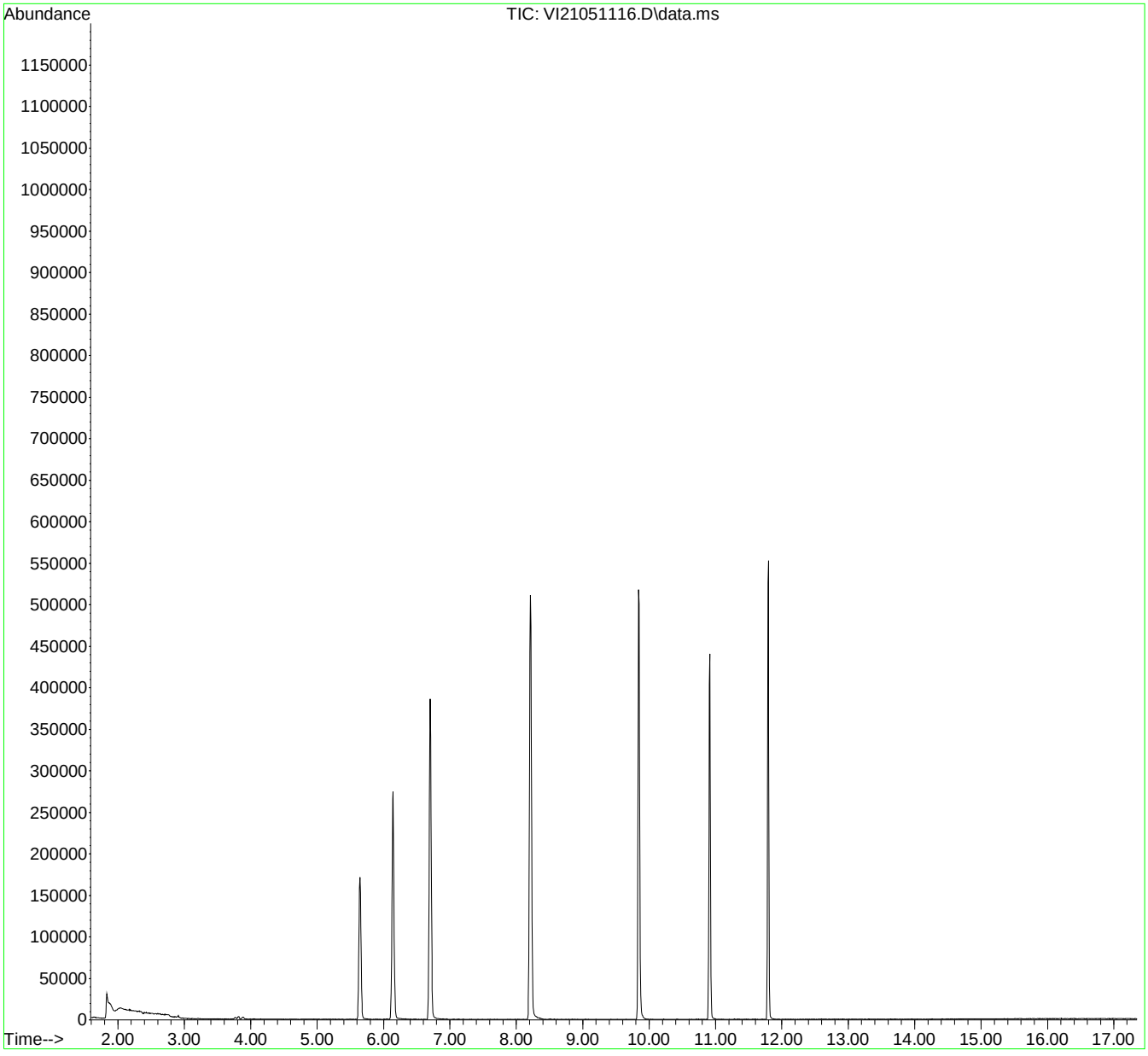
(#) = qualifier out of range (m) = manual integration (+) = signals summe

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051116.D
Acq On : 11 May 2021 6:31 pm
Operator : PS
Sample : A1E0219-02
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:20 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

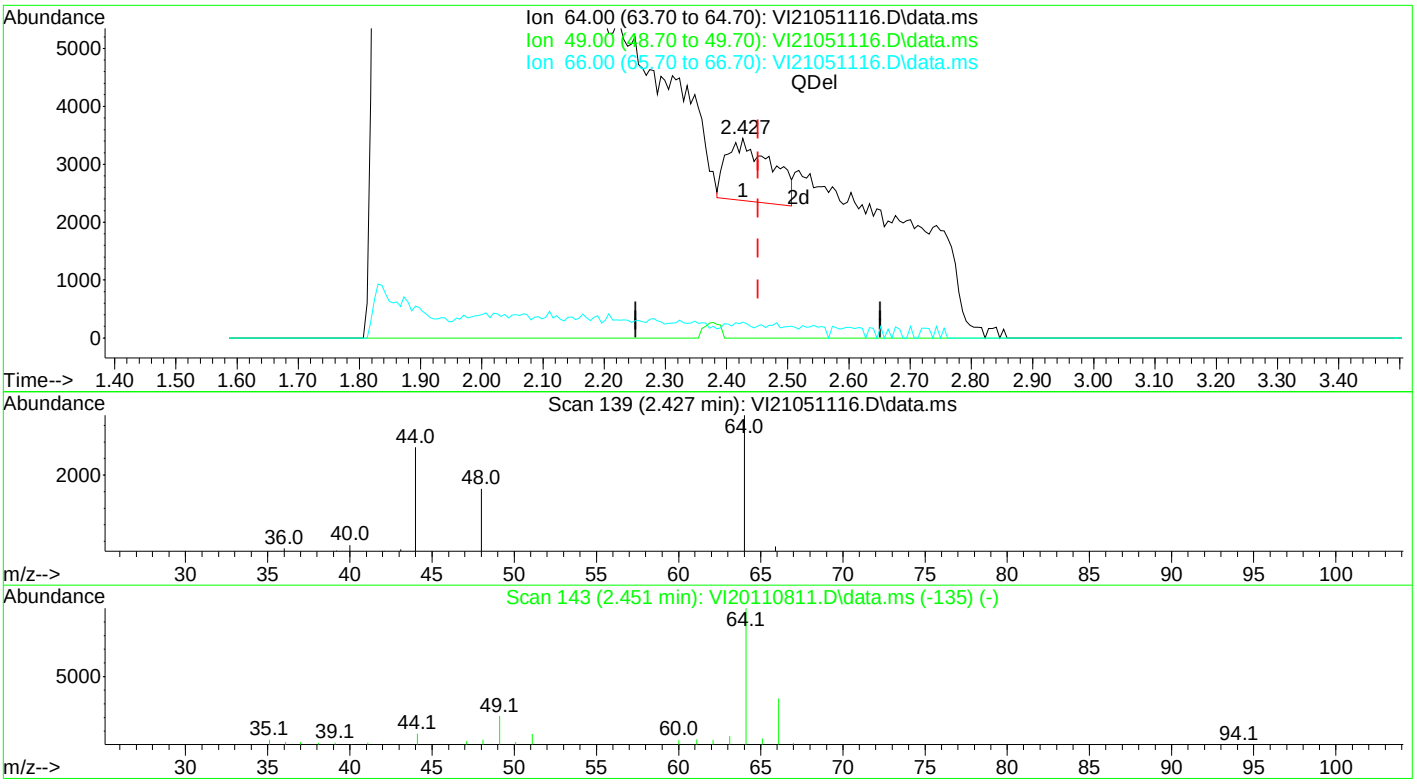


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051116.D
Acq On : 11 May 2021 6:31 pm
Operator : PS
Sample : A1E0219-02
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:20 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051116.D\data.ms

(6) Chloroethane

2.427min (-0.024) 4.12 ug/L

response 5393

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	0.00#
66.00	38.90	8.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051116.D
Acq On : 11 May 2021 6:31 pm
Operator : PS
Sample : A1E0219-02
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 16 Sample Multiplier: 1 PS 05/12/21
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:37 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	113699	50.00	ug/L	0.0(
45) Chlorobenzene-d5 (I)	9.843	117	306638	50.00	ug/L	0.0(
66) 1,4-Dichlorobenzene-d4...	11.795	152	132288	50.00	ug/L	0.0(
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	114780	50.92	ug/L	0.0(
39) 1,4-Difluorobenzene (S)	6.703	114	358977	51.11	ug/L	0.0(
48) Toluene-d8 (S)	8.212	98	406601	50.23	ug/L	0.0(
67) 4-Bromofluorobenzene (S)	10.913	174	114701	51.89	ug/L	0.0(
Target Compounds						Qvalue
3) Chloromethane	1.867	50	1379	0.82	ug/L	# 4
10) Carbon Disulfide	3.205	76	545	0.12	ug/L	7
14) Methylene Chloride	3.814	84	1447	0.64	ug/L	8
15) Acetone	3.881	43	3262	3.11	ug/L	9

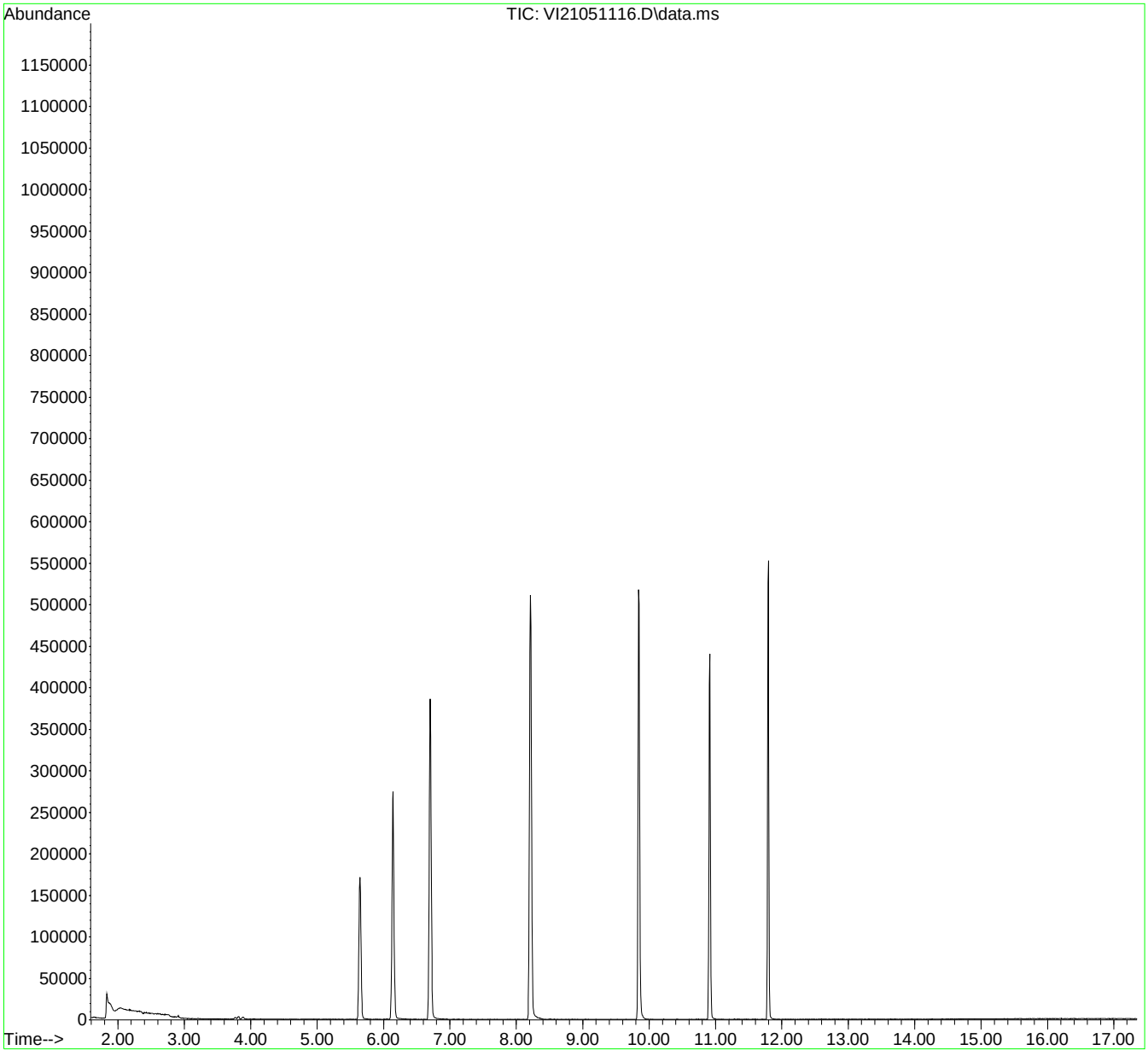
(#) = qualifier out of range (m) = manual integration (+) = signals summe(

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051116.D
Acq On : 11 May 2021 6:31 pm
Operator : PS
Sample : A1E0219-02
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:37 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:51 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	109857	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	299332	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	129246	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.639	111	111322	51.11	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.703	114	346118	51.00	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	394908	49.98	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	112984	52.32	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.867	50	1059	0.65	ug/L	# 4
6) Chloroethane	2.463	64	3451	2.53	ug/L	# 4
10) Carbon Disulfide	3.199	76	500	0.11	ug/L	7
14) Methylene Chloride	3.814	84	1446	0.67	ug/L	9
15) Acetone	3.881	43	4877	4.81	ug/L	10

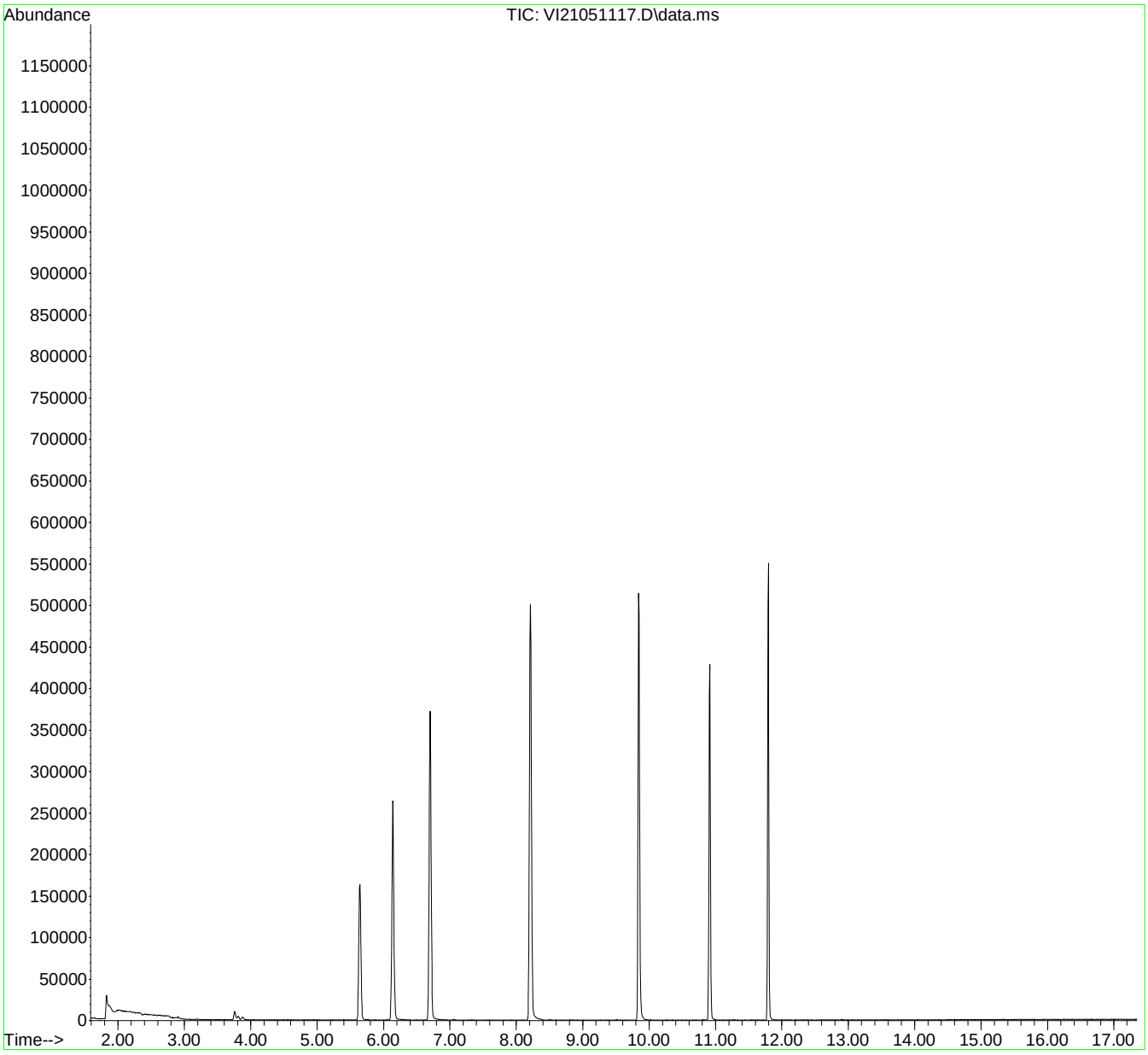
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:51 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

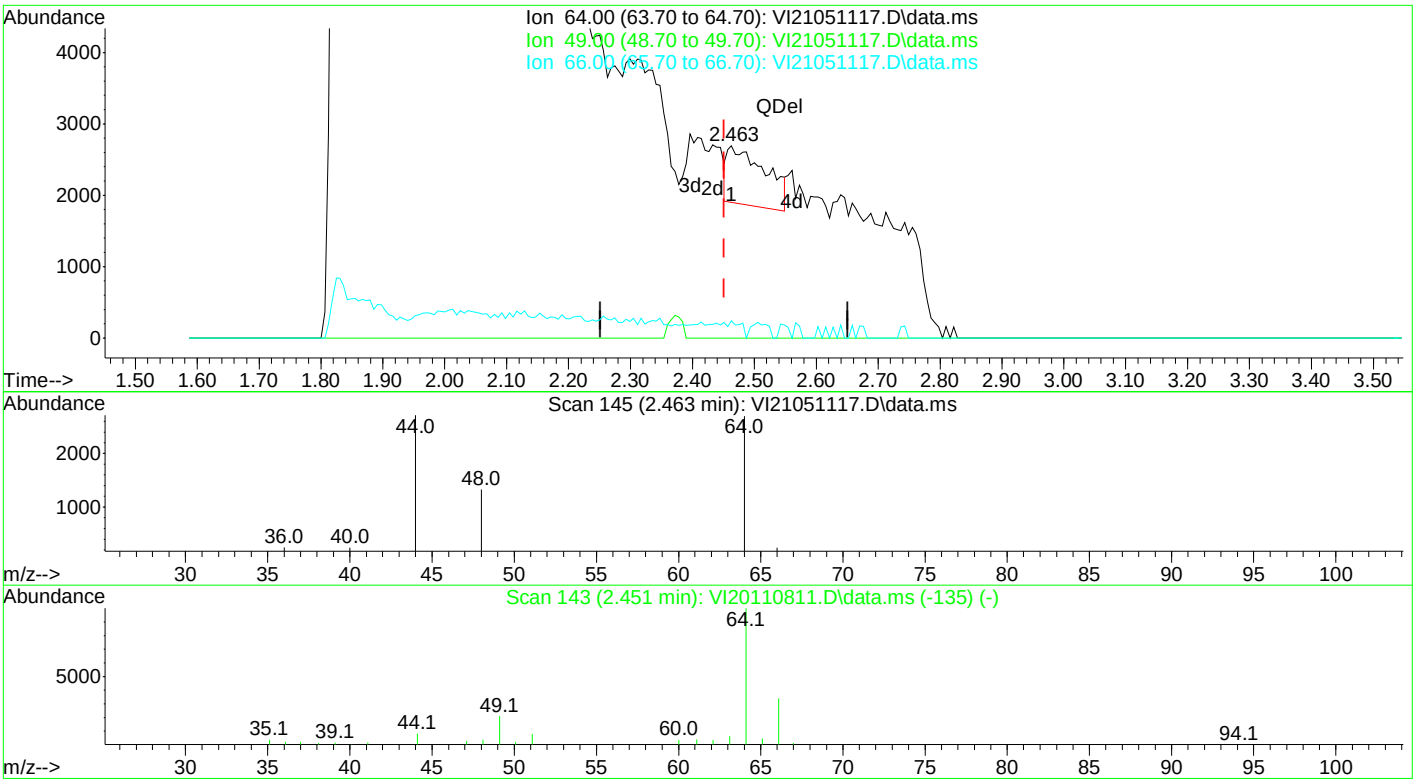


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:31:51 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051117.D\data.ms

(6) Chloroethane

2.463min (+ 0.012) 2.53 ug/L

response 3451

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	0.00#
66.00	38.90	8.83#
0.00	0.00	0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo
ALS Vial : 17 Sample Multiplier: 1 PS 05/12/21
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	109857	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	299332	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	129246	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.639	111	111322	51.11	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.703	114	346118	51.00	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	394908	49.98	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	112984	52.32	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.867	50	1059	0.65	ug/L	# 4
10) Carbon Disulfide	3.199	76	500	0.11	ug/L	7
14) Methylene Chloride	3.814	84	1446	0.67	ug/L	9
15) Acetone	3.881	43	4877	4.81	ug/L	10

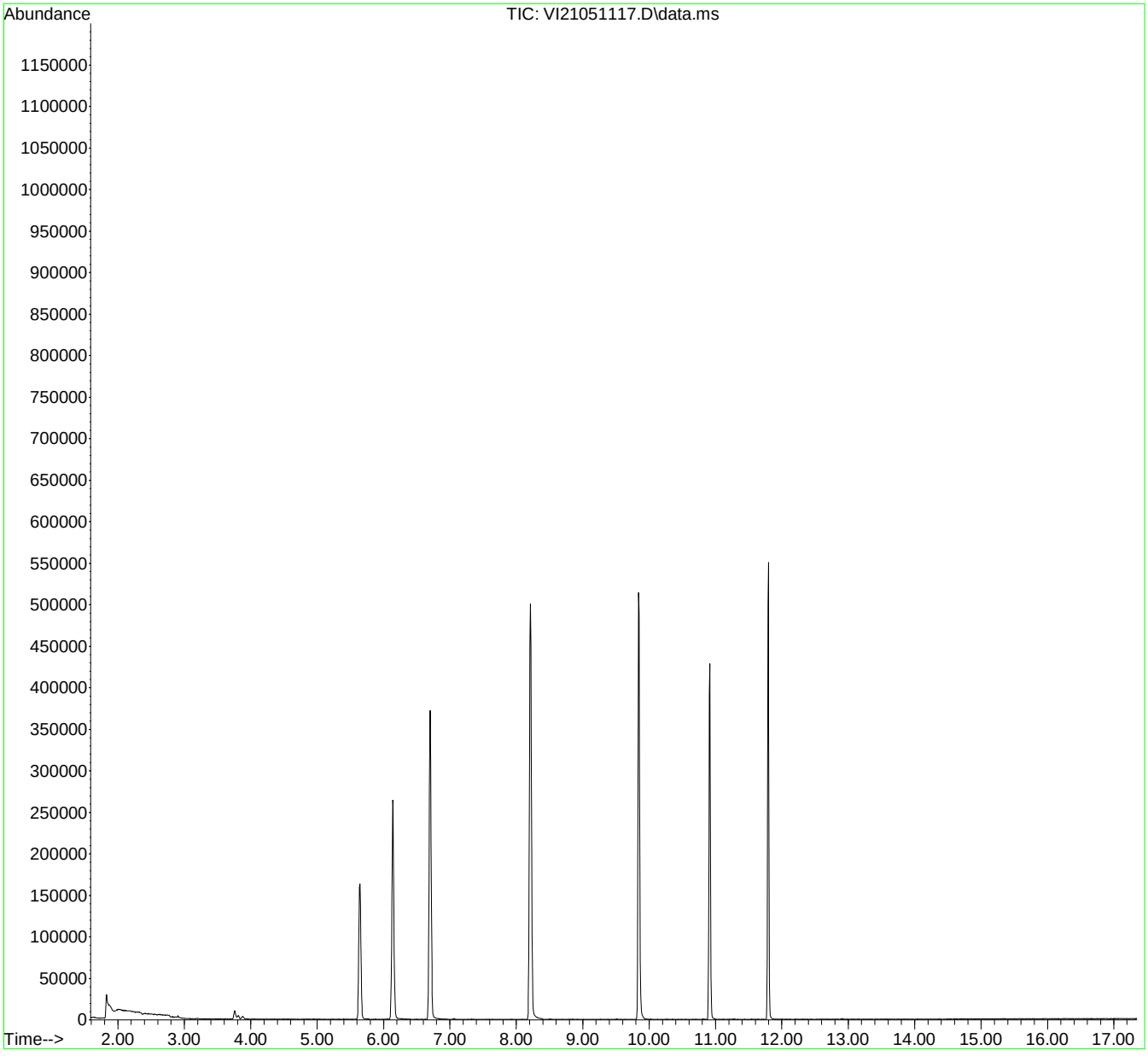
(#) = qualifier out of range (m) = manual integration (+) = signals summe

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:27 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	215019	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	347557	49.88	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	112984	54.21	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	395064	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	299332	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	201599	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	1311m	27.69	ug/l	
5) TPHg (C5-C9)	9.890	TIC	381516m	18.42	ug/l	
6) TPHg (C6-C10)	9.890	TIC	327537m	16.43	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	399691m	23.98	ug/l	

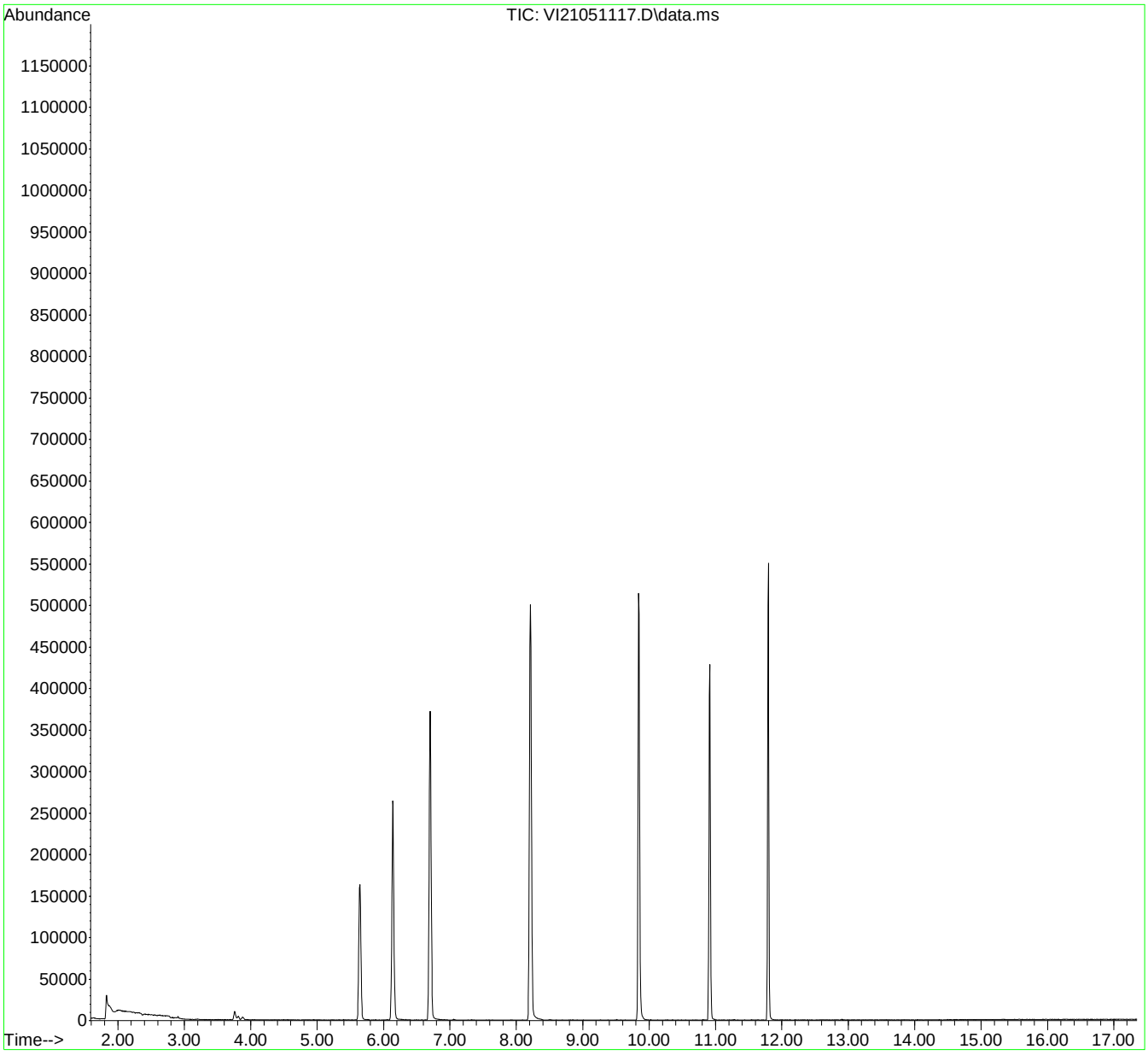
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:27 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

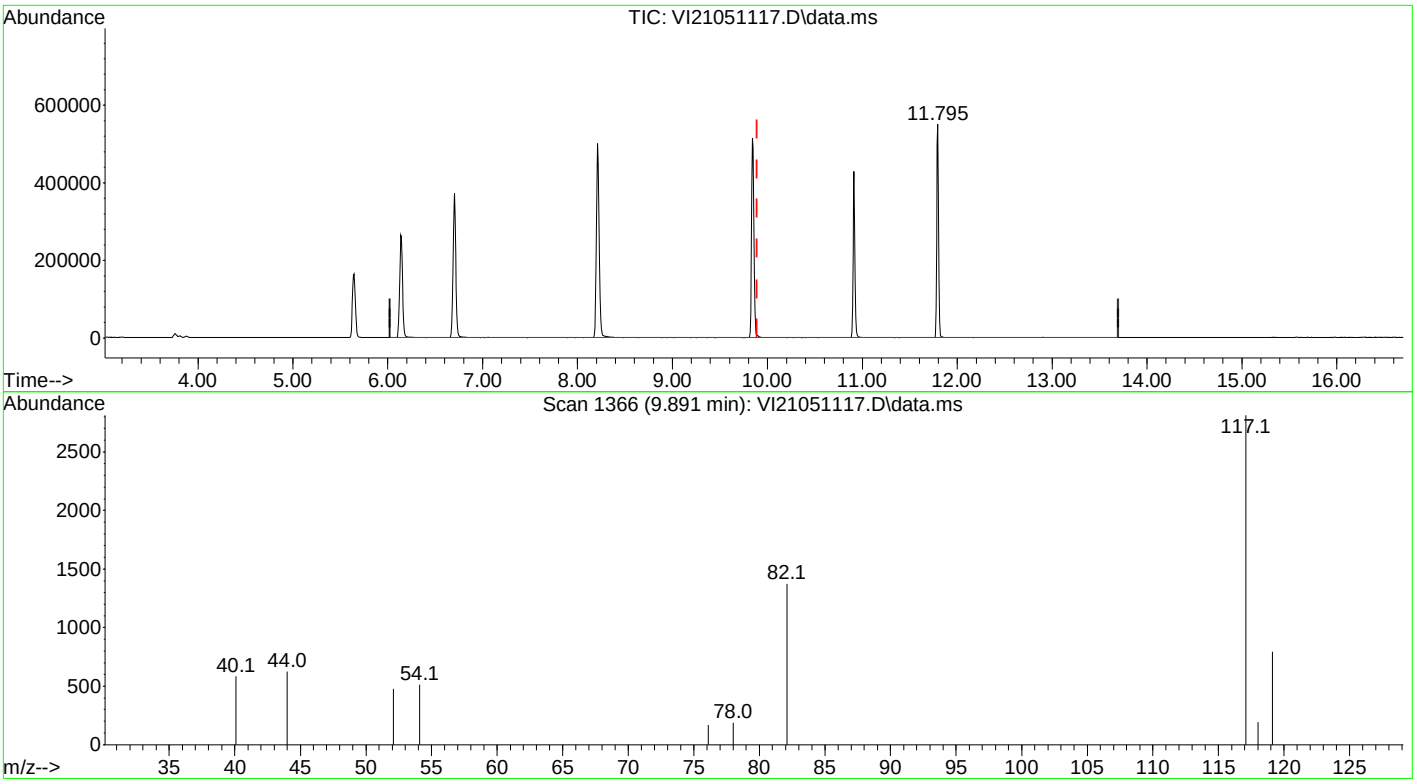


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:27 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051117.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 27.69 ug/L m

response 1311

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo
ALS Vial : 17 Sample Multiplier: 1

PS 05/12/21

DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:27 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	215019	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	347557	49.88	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	112984	54.21	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	395064	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	299332	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	201599	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	1311m	27.69	ug/l	
5) TPHg (C5-C9)	9.890	TIC	381516m	18.42	ug/l	
6) TPHg (C6-C10)	9.890	TIC	327537m	16.43	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	399691m	23.98	ug/l	

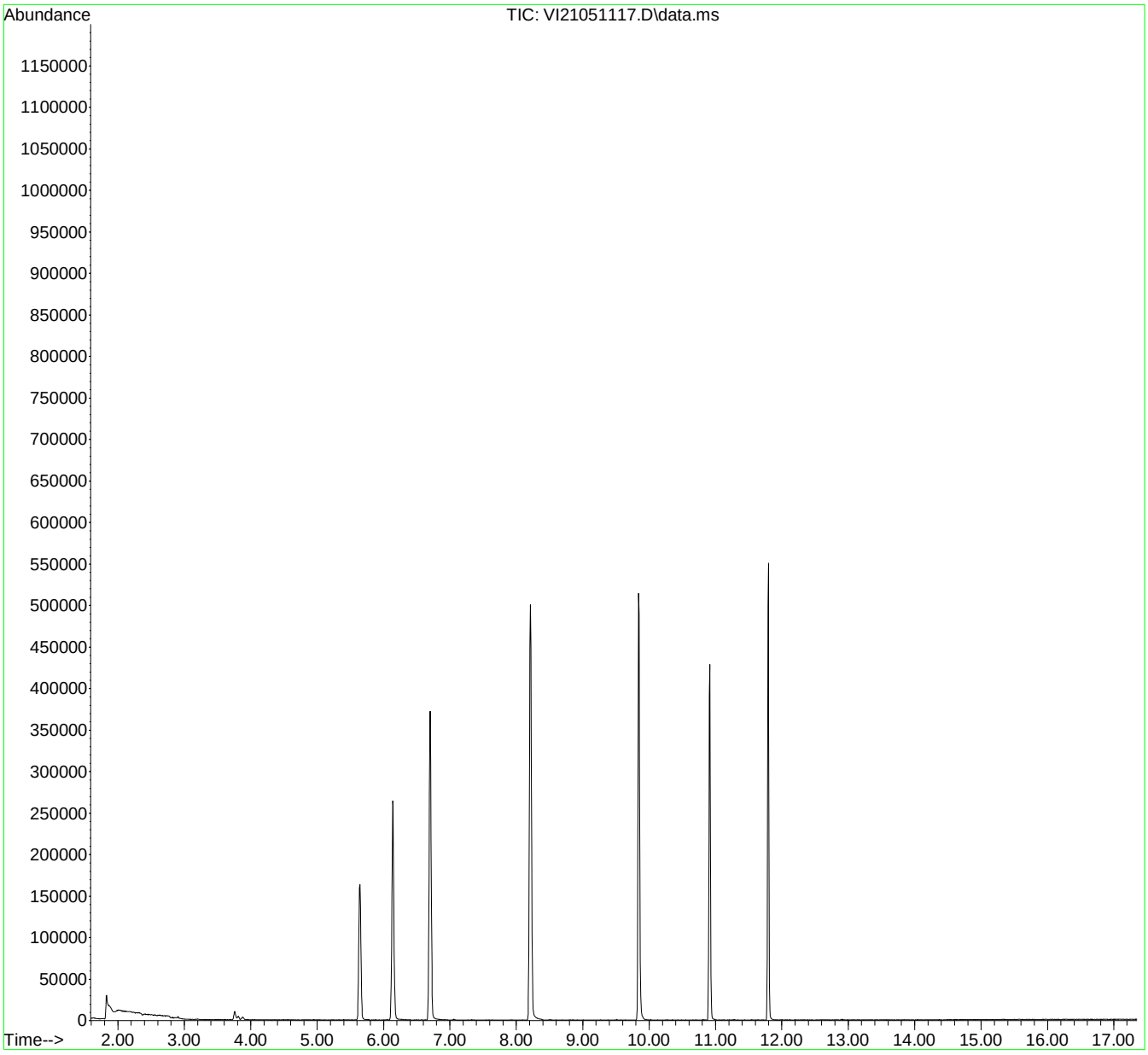
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051117.D
Acq On : 11 May 2021 6:58 pm
Operator : PS
Sample : A1E0219-03
Misc : 1X 5mL BTEX+Halo6
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:27 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	111037	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	304754	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	131573	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	112693	51.19	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.703	114	352071	51.33	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	403206	50.12	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	114570	52.11	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.873	50	793	0.48	ug/L	# 4
6) Chloroethane	2.439	64	579	Below Cal		# 4
10) Carbon Disulfide	3.205	76	443	0.10	ug/L	7
14) Methylene Chloride	3.820	84	1587	0.72	ug/L	# 7
15) Acetone	3.881	43	3665	3.57	ug/L	9

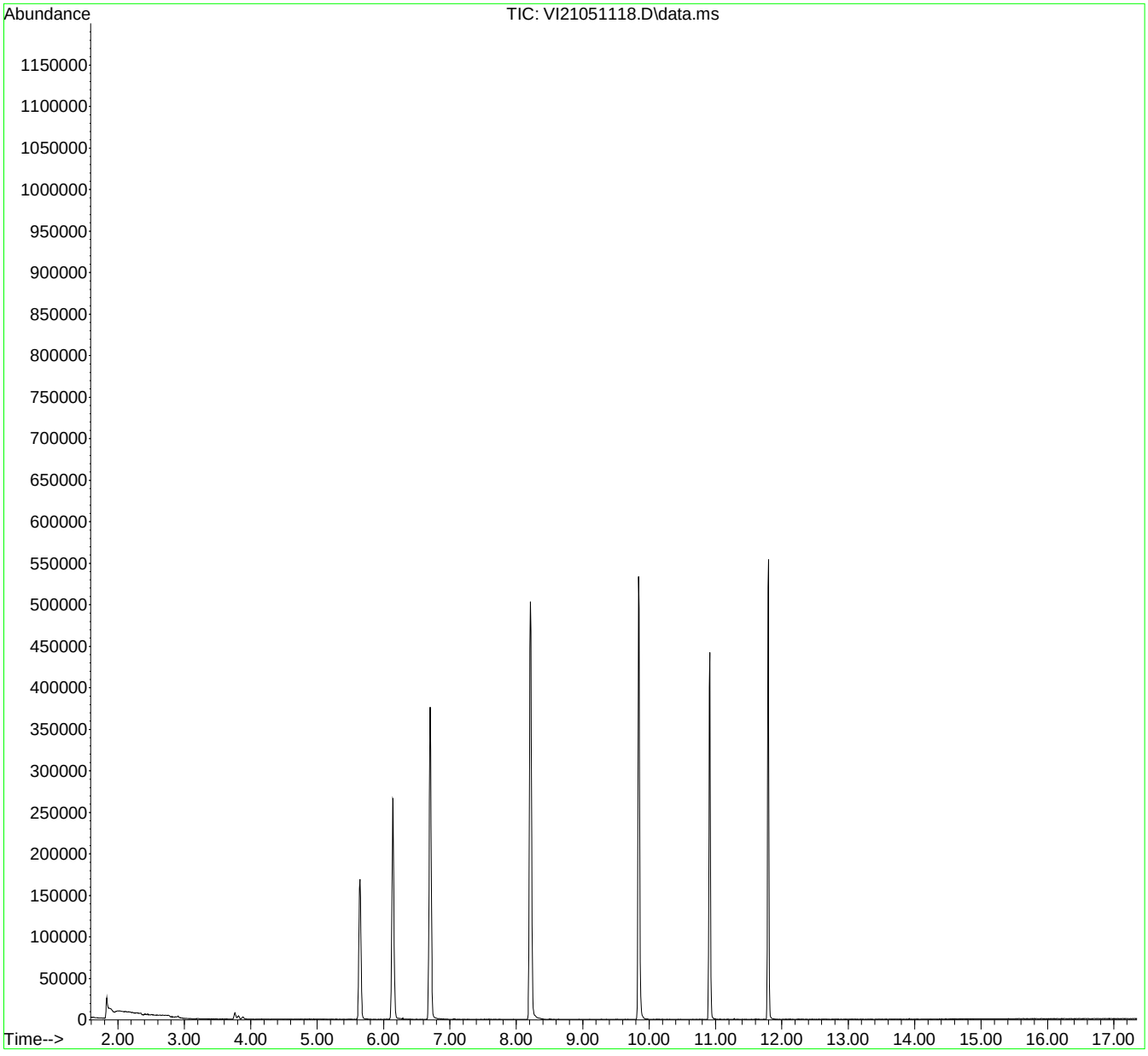
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03)
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M PS 05/12/21

Quant Time: May 12 15:32:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	111037	50.00	ug/L	# 0.0
45) Chlorobenzene-d5 (I)	9.843	117	304754	50.00	ug/L	0.0
66) 1,4-Dichlorobenzene-d4...	11.795	152	131573	50.00	ug/L	0.0
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	112693	51.19	ug/L	0.0
39) 1,4-Difluorobenzene (S)	6.703	114	352071	51.33	ug/L	0.0
48) Toluene-d8 (S)	8.212	98	403206	50.12	ug/L	0.0
67) 4-Bromofluorobenzene (S)	10.913	174	114570	52.11	ug/L	0.0
Target Compounds						Qvalue
3) Chloromethane	1.873	50	793	0.48	ug/L	# 4
6) Chloroethane	2.439	64	579	Below Cal		# 4
10) Carbon Disulfide	3.205	76	443	0.10	ug/L	7
14) Methylene Chloride	3.820	84	1587	0.72	ug/L	# 7
15) Acetone	3.881	43	3665	3.57	ug/L	9

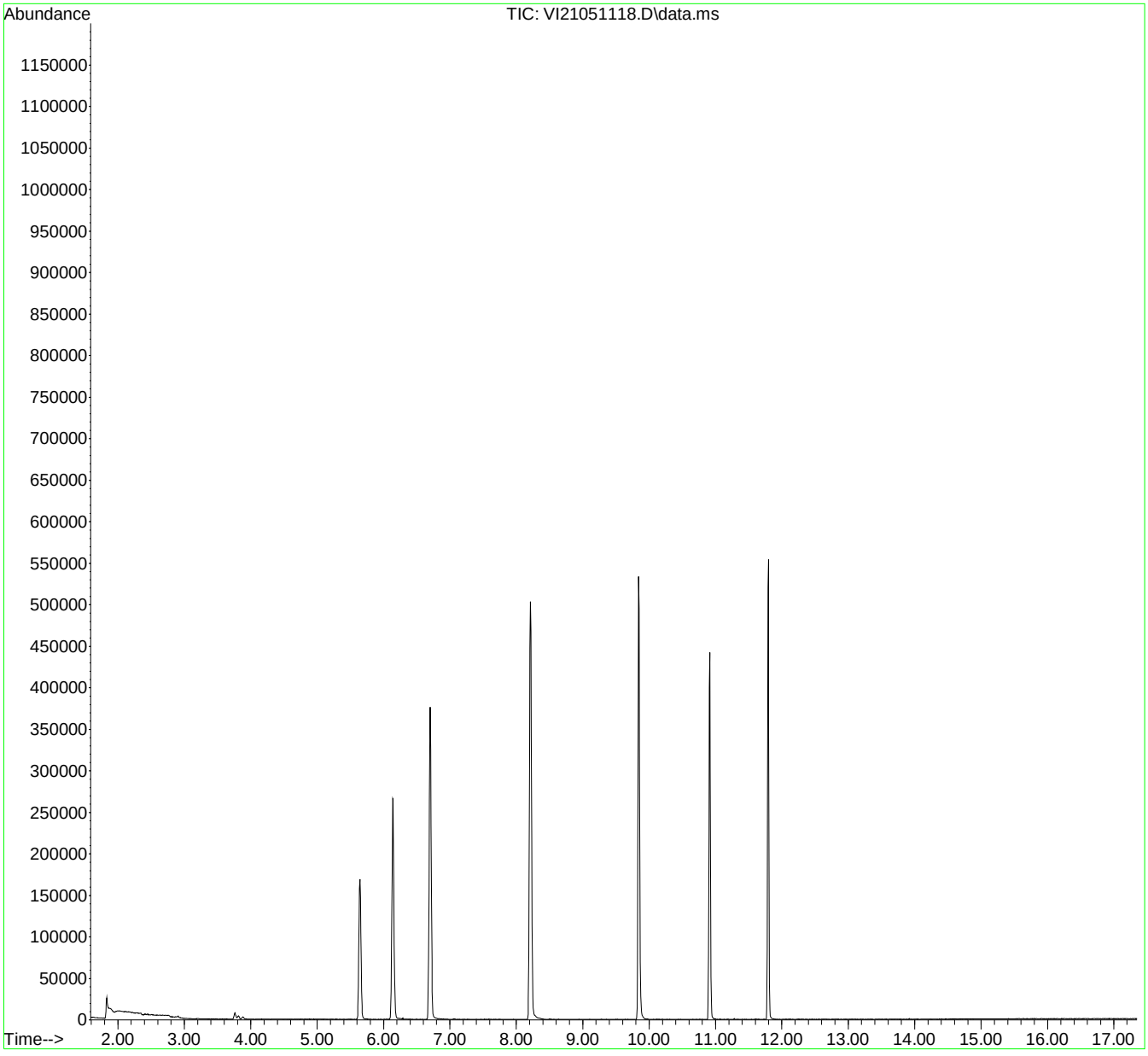
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03)
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:32:49 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:33:11 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	218163	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	353615	50.02	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	114570	54.18	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	403423	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	304754	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	206697	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-10389m	25.84	ug/l	
5) TPHg (C5-C9)	9.890	TIC	362390m	15.23	ug/l	
6) TPHg (C6-C10)	9.890	TIC	321533m	14.78	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	381907m	21.46	ug/l	

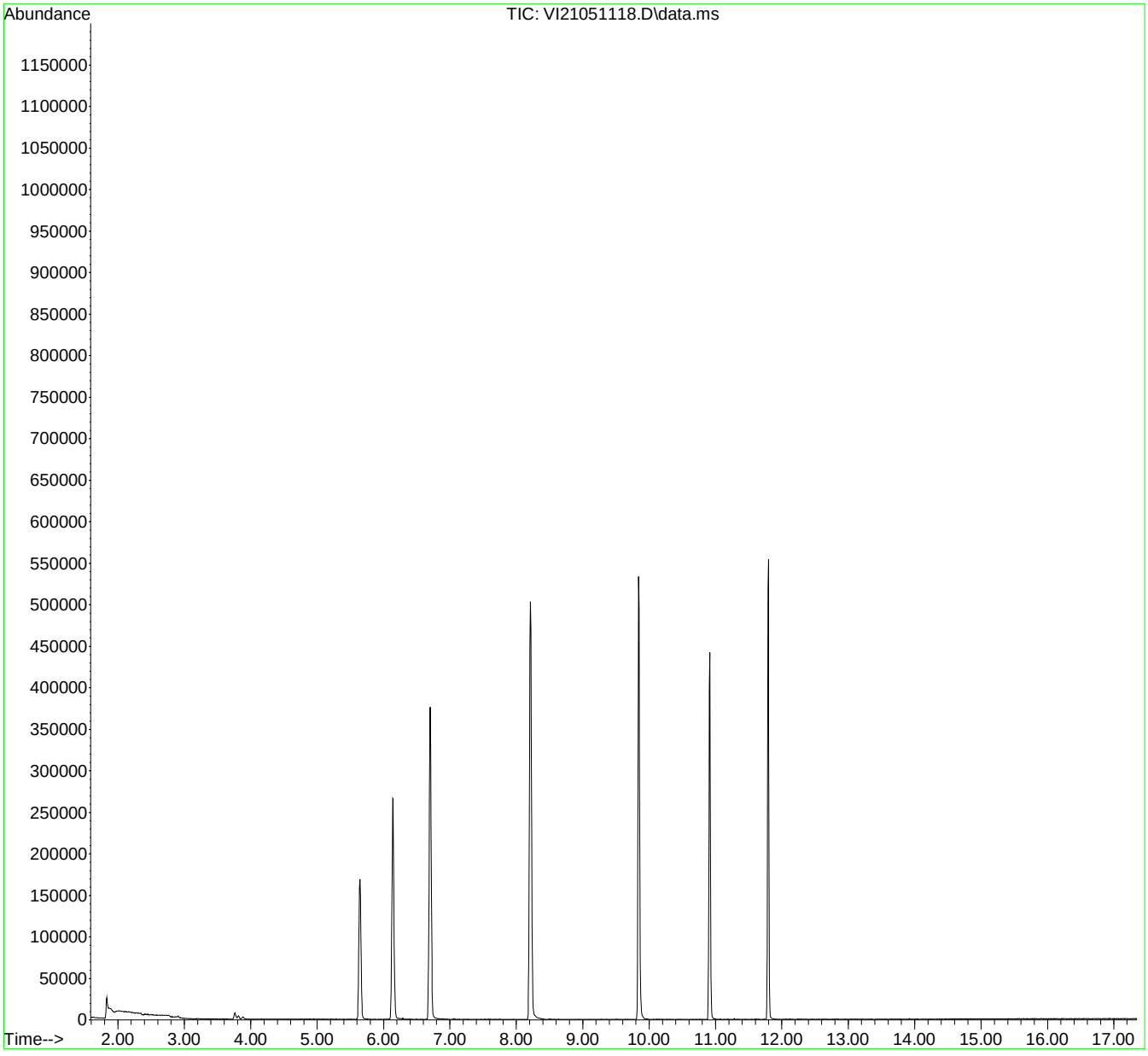
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03)
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:33:11 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

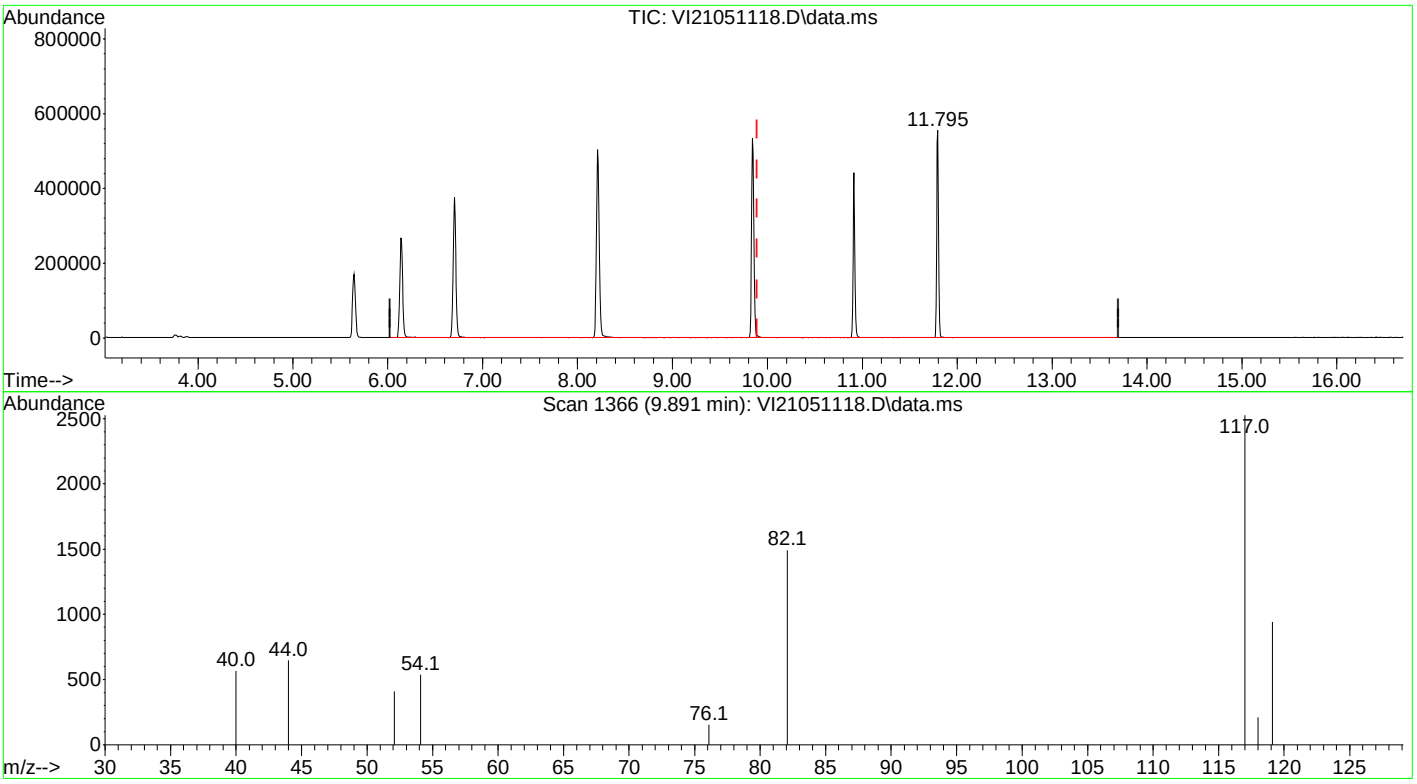


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03)
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:33:11 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051118.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 25.84 ug/L m

response -10389

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

Quantitation Report (QT Reviewed

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/12/21

Quant Time: May 12 15:33:11 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	218163	50.00	ug/L	0.0
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	353615	50.02	ug/L	0.0
3) 4-Bromofluorobenzene (...	10.913	174	114570	54.18	ug/L	0.0
9) Toluene-d8 (NR)	8.212	98	403423	0.00	ug/L	0.0
11) Chlorobenzene-d5 (NR)	9.843	117	304754	0.00	ug/L	0.0
12) 1,4-Dichlorobenzene-d4...	11.795	150	206697	0.00	ug/L	0.0
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-10389m	25.84	ug/l	
5) TPHg (C5-C9)	9.890	TIC	362390m	15.23	ug/l	
6) TPHg (C6-C10)	9.890	TIC	321533m	14.78	ug/l	
7) CA-LUFT (C5-C12)	9.890	TIC	381907m	21.46	ug/l	

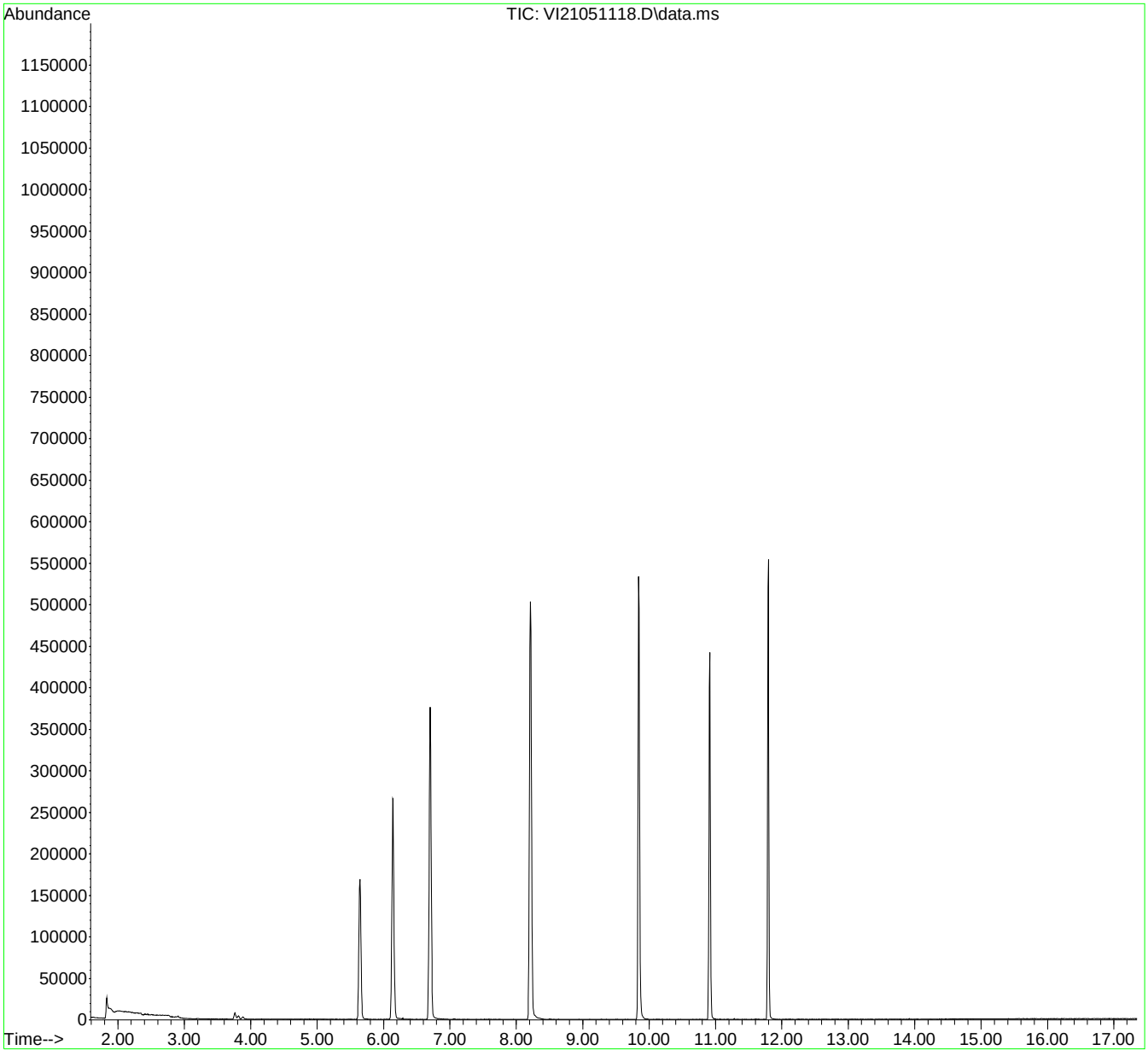
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E11044\
Data File : VI21051118.D
Acq On : 11 May 2021 7:26 pm
Operator : PS
Sample : 1050350-DUP1
Misc : 1X 5mL (A1E0219-03)
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 12 15:33:11 2021
Quant Method : C:\msdchem\1\methods\VI210307G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



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

Selected Volatile Organic Compounds by EPA 8260D
Calibration Data

Sequence 1E10062 (Cal ID A1E1107) VOA-GCMS9

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1E10062	Instrument:	VOA-GCMS9
Date:	**05/10/21 12:51**	Calibration:	**A1E1107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E10062-IBL1	Water	QC	QC			A21B496	
2	1E10062-IBL2	Water	QC	QC			A21B496	
3	1E10062-TUN1	Water	QC	QC			A21B496	
4	1E10062-ICB1	Water	QC	QC			A21B496	
5	1E10062-CAL1	Water	QC	QC			A21B496	A21E090
6	1E10062-CAL2	Water	QC	QC			A21B496	A21E091
7	1E10062-CAL3	Water	QC	QC			A21B496	A21E092
8	1E10062-CAL4	Water	QC	QC			A21B496	A21E093
9	1E10062-CAL5	Water	QC	QC			A21B496	A21E094
10	1E10062-CAL6	Water	QC	QC			A21B496	A21E095
11	1E10062-CAL7	Water	QC	QC			A21B496	A21E096
12	1E10062-CAL8	Water	QC	QC			A21B496	A21E097
13	1E10062-CAL9	Water	QC	QC			A21B496	A21E098
14	1E10062-IBL3	Water	QC	QC			A21B496	
15	1E10062-CALA	Water	QC	QC			A21B496	A21E099
16	1E10062-IBL4	Water	QC	QC			A21B496	
17	1E10062-CALB	Water	QC	QC			A21B496	A21E100
18	1E10062-IBL5	Water	QC	QC			A21B496	
19	1E10062-IBL6	Water	QC	QC			A21B496	
20	1E10062-ICV1	Water	QC	QC			A21B496	A21E101
21	1E10062-IBL7	Water	QC	QC			A21B496	
22	1E10062-TUN2	Water	QC	QC			A21B496	
23	1E10062-ICB2	Water	QC	QC			A21B496	
24	1E10062-IBL8	Water	QC	QC			A21B496	
25	1E10062-CALC	Water	QC	QC			A21B496	A21D076
26	1E10062-CALD	Water	QC	QC			A21B496	A21D077
27	1E10062-CALE	Water	QC	QC			A21B496	A21D078
28	1E10062-CALF	Water	QC	QC			A21B496	A21D079
29	1E10062-CALG	Water	QC	QC			A21B496	A21D080
30	1E10062-CALH	Water	QC	QC			A21B496	A21D081
31	1E10062-CALI	Water	QC	QC			A21B496	A21D082
32	1E10062-CALJ	Water	QC	QC			A21B496	A21D083
33	1E10062-IBL9	Water	QC	QC			A21B496	
34	1E10062-IBLA	Water	QC	QC			A21B496	
35	1E10062-ICV2	Water	QC	QC			A21B496	A21D084
36	1E10062-IBLB	Water	QC	QC			A21B496	

Sequence: 1E10062 Instrument: VOA-GCMS9

Date: **05/10/21 12:51** Calibration: **A1E1107**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID

Standard	Description:	Expires:
A21B496	8260 IS/Surr Standard (50 ug/L) Atomx (1uL)	8/27/2021
A21D076	NWTPH-Gx Cal Std 1 (50ug/L)	8/2/2021
A21D077	NWTPH-Gx Cal Std 2 (100ug/L)	8/2/2021
A21D078	NWTPH-Gx Cal Std 3 (250ug/L)	8/2/2021
A21D079	NWTPH-Gx Cal Std 4 (500ug/L)	8/2/2021
A21D080	NWTPH-Gx Cal Std 5 (1000ug/L)	8/2/2021
A21D081	NWTPH-Gx Cal Std 6 (2500ug/L)	8/2/2021
A21D082	NWTPH-Gx Cal Std 7 (5000ug/L)	8/2/2021
A21D083	NWTPH-Gx Cal Std 8 (10000ug/L)	8/2/2021
A21E090	8260B Cal Std 1 VOCR+OXY (0.10/0.2ppb)	6/1/2021
A21E091	8260B Cal Std 2 VOCR+OXY (0.20/0.4ppb)	6/1/2021
A21E092	8260B Cal Std 3 VOCR+OXY (0.40/0.8ppb)	6/1/2021
A21E093	8260B Cal Std 4 VOCR+OXY (1/2ppb)	6/1/2021
A21E094	8260B Cal Std 5 VOCR+OXY (2/4ppb)	6/1/2021
A21E095	8260B Cal Std 6 VOCR+OXY (5/10ppb)	6/1/2021
A21E096	8260B Cal Std 7 VOCR+OXY (10/20ppb)	6/1/2021
A21E097	8260B Cal Std 8 VOCR+OXY (20/40ppb)	6/1/2021
A21E098	8260B Cal Std 9 VOCR+OXY (50/100ppb)	6/1/2021
A21E099	8260B Cal Std A VOCR+OXY (100/200ppb)	6/1/2021
A21E100	8260B Cal Std B VOCR (200/400ppb)	6/1/2021
A21E101	8260B ICV Std VOCO+R (20/40 ppb)	6/1/2021

Data Entered By/Date: 05/11/21 TNL Comments: ALL GOOD

Data Reviewed By/Date: MM 5/12/21

Calibration Status Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021
Response Via : Initial Calibration

05/11/21 TNL

#	ID	Conc	ISTD Conc	Path\File
1	0.1	0	50	C:\msdchem\1\data\2021-05\1E10062\VI21051005.D
2	0.2	0	50	C:\msdchem\1\data\2021-05\1E10062\VI21051006.D
3	0.5	0	50	C:\msdchem\1\data\2021-05\1E10062\VI21051007.D
4	1	1	50	C:\msdchem\1\data\2021-05\1E10062\VI21051008.D
5	2	2	50	C:\msdchem\1\data\2021-05\1E10062\VI21051009.D
6	5	5	50	C:\msdchem\1\data\2021-05\1E10062\VI21051010.D
7	10	10	50	C:\msdchem\1\data\2021-05\1E10062\VI21051011.D
8	20	20	50	C:\msdchem\1\data\2021-05\1E10062\VI21051012.D
9	50	50	50	C:\msdchem\1\data\2021-05\1E10062\VI21051013.D
10	100	100	50	C:\msdchem\1\data\2021-05\1E10062\VI21051015.D
11	200	200	50	C:\msdchem\1\data\2021-05\1E10062\VI21051017.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.1	May 11 09:54 2021	May 11 09:22 2021	10 May 2021 5:04 pm
2	0.2	May 11 09:54 2021	May 11 09:25 2021	10 May 2021 5:31 pm
3	0.5	May 11 09:54 2021	May 11 09:28 2021	10 May 2021 5:58 pm
4	1	May 11 09:54 2021	May 11 09:29 2021	10 May 2021 6:26 pm
5	2	May 11 09:54 2021	May 11 09:36 2021	10 May 2021 6:54 pm
6	5	May 11 09:54 2021	May 11 09:38 2021	10 May 2021 7:21 pm
7	10	May 11 09:54 2021	May 11 09:40 2021	10 May 2021 7:50 pm
8	20	May 11 09:54 2021	May 11 09:42 2021	10 May 2021 8:18 pm
9	50	May 11 09:54 2021	May 11 09:44 2021	10 May 2021 8:47 pm
10	100	May 11 09:54 2021	May 11 09:50 2021	10 May 2021 9:44 pm
11	200	May 11 09:54 2021	May 11 09:51 2021	10 May 2021 10:39 pm

I210510W.M Tue May 11 14:31:07 2021

Method Path : C:\msdchem\1\methods\
Method File : VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021
Response Via : Initial Calibration

Calibration Files
0.1 =VI21051005.D 0.2 =VI21051006.D 0.5 =VI21051007.D 1 =VI21051008.D 2 =VI21051009.D
5 =VI21051010.D 10 =VI21051011.D 20 =VI21051012.D 50 =VI21051013.D 100 =VI21051015.D
200 =VI21051017.D

		Compound	0.1	0.2	0.5	1	2	5	10	20	50	100	200	Avg	%RSD
1)	I	Pentafluorobenzene...	----------ISTD----------												
2)		Dichlorodifluo...			0.408	0.477	0.507	0.531	0.497	0.486	0.541	0.524	0.534	0.500	8.26
3)	P	Chloromethane				0.901	0.810	0.778	0.697	0.657	0.710	0.689	0.700	0.743	10.90
4)	C	Vinyl Chloride		0.799	0.835	0.835	0.861	0.895	0.867	0.808	0.877	0.862	0.853	0.849	3.53
5)		Bromomethane			0.433	0.504	0.466	0.451	0.416	0.369	0.399	0.398	0.409	0.427	9.58
6)		Chloroethane				0.768	0.646	0.568	0.577	0.453	0.416	0.301		0.533	29.20
7)		Trichlorofluor...			0.910	0.969	0.972	0.988	0.965	0.905	0.965	0.960	0.973	0.956	3.03
8)		Ethanol			0.024	0.023	0.026	0.024	0.024	0.023	0.023	0.022		0.023	4.99
9)	C	1,1-Dichloroet...		1.147	1.141	1.173	1.181	1.216	1.184	1.123	1.239	1.222	1.265	1.189	3.86
10)		Carbon Disulfide		2.274	2.008	1.905	1.978	2.028	1.933	1.833	2.022	1.979	2.067	2.003	5.84
11)		Freon 113			0.716	0.740	0.790	0.816	0.774	0.745	0.814	0.795	0.840	0.781	5.23
12)		Iodomethane						0.539	0.568	0.582	0.727	0.729	0.730	0.646	14.23
13)		Acrolein				0.213	0.239	0.248	0.240	0.233	0.249	0.257	0.258	0.242	6.07

Method Path : C:\msdchem\1\methods\
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Last Update : Tue May 11 09:54:38 2021

14)		Methylene Chlo...					1.200	0.936	0.937	0.926	0.939	0.988	12.04
15)		Acetone				0.559	0.490	0.459	0.417	0.419	0.441	0.448	0.462	10.69
16)		t-1,2-Dichloro...	0.947	1.097	1.145	1.197	1.226	1.189	1.133	1.216	1.224	1.269	1.164	7.88
17)		n-Hexane				0.126	0.136	0.144	0.143	0.159	0.158	0.165	0.147	9.55
18)		Methyl-tert-bu...	2.756	2.656	2.602	2.800	2.818	2.777	2.640	2.820	2.864	2.963	2.770	4.00
19)		tert-Butanol ...	0.250	0.223	0.246	0.256	0.240	0.239	0.230	0.230	0.222		0.237	4.95
20)		Diisopropyl et...		2.297	2.473	2.766	2.606	2.549	2.434	2.491	2.436		2.506	5.53
21)	P	1,1-Dichloroet...	1.690	1.561	1.540	1.566	1.554	1.534	1.454	1.549	1.564	1.607	1.562	3.78
22)		Acrylonitrile				0.387	0.461	0.493	0.481	0.507	0.533	0.551	0.488	11.08
23)		Ethyl-tert-but...		2.312	2.491	2.588	2.634	2.568	2.449	2.510	2.434		2.498	4.08
24)		Vinyl Acetate			1.675	1.908	1.977	1.981	1.866	2.057	2.055	2.006	1.941	6.49
25)		c-1,2-Dichloro...	0.852	1.084	1.089	1.158	1.198	1.170	1.109	1.191	1.207	1.244	1.130	9.84
26)		2,2-Dichloropr...	0.955	0.974	1.054	1.026	1.055	1.055	0.987	1.099	1.094	1.138	1.044	5.62
27)		Bromochloromet...		0.402	0.547	0.625	0.673	0.646	0.614	0.672	0.674	0.679	0.615	14.69
28)	C	Chloroform	1.535	1.440	1.475	1.592	1.611	1.590	1.489	1.611	1.626	1.676	1.565	4.86
29)		Carbon Tetrach...	0.752	0.937	0.953	1.060	1.039	1.038	0.999	1.115	1.121	1.210	1.022	12.25
30)		Tetrahydrofuran		0.543	0.487	0.483	0.495	0.485	0.457	0.475	0.497	0.520	0.494	5.11
31)		1,1,1-Trichlor...	1.047	1.270	1.239	1.285	1.346	1.284	1.248	1.365	1.361	1.444	1.289	8.24

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32)	S	Dibromofluorom...	0.971	0.975	0.980	0.980	0.979	0.991	0.997	0.982	1.006	1.021	1.022	0.991	1.83
33)		1,1-Dichloropr...			1.063	1.077	1.110	1.177	1.159	1.103	1.215	1.206	1.272	1.153	6.09
34)		2-Butanone (MEK)			0.697	0.650	0.720	0.736	0.712	0.701	0.718	0.758	0.782	0.719	5.24
35)		Benzene	4.882	4.051	3.738	3.534	3.624	3.712	3.549	3.391	3.629	3.644	3.744	3.773	10.69
36)		tert-Amyl meth...		1.930	2.772	2.730	2.660	2.587	2.477	2.363	2.428	2.363		2.479	10.33
37)		1,2-Dichloroet...		1.010	1.214	1.144	1.206	1.259	1.228	1.159	1.236	1.247	1.274	1.198	6.50
38)		iso-Butyl Alcohol	0.086	0.095	0.087	0.088	0.093	0.087	0.088	0.086	0.091	0.091	0.086	0.089	3.54
39)	S	1,4-Difluorobe...	3.070	3.056	3.068	3.072	3.081	3.078	3.116	3.064	3.109	3.125	3.137	3.089	0.90
40)		Trichloroethen...			0.777	0.878	0.899	0.918	0.908	0.870	0.952	0.971	1.013	0.910	7.42
41)		Tert-Amyl-Ethy...				1.569	1.733	1.805	1.818	1.723	1.739	1.722		1.730	4.69
42)		Dibromomethane			0.464	0.532	0.612	0.609	0.593	0.586	0.632	0.650	0.675	0.595	10.71
43)	C	1,2-Dichloropr...		0.690	0.826	0.844	0.877	0.906	0.886	0.828	0.890	0.907	0.931	0.858	8.01
44)		Bromodichlorom...		0.936	0.924	1.062	1.127	1.122	1.104	1.059	1.185	1.213	1.269	1.100	10.08
45)		Chlorobenzene-d5 (I)	----------ISTD----------												
46)		2-Chloroethyl ...					0.194	0.226	0.225	0.232	0.251	0.257	0.258	0.235	9.78
47)		c-1,3-Dichloro...			0.345	0.405	0.454	0.465	0.460	0.467	0.511	0.530	0.549	0.465	13.54
48)	S	Toluene-d8 (S)	1.341	1.337	1.347	1.331	1.320	1.333	1.317	1.318	1.306	1.291	1.277	1.320	1.64
49)	C	Toluene	1.458	1.491	1.411	1.350	1.383	1.392	1.330	1.286	1.360	1.357	1.394	1.383	4.14

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50)		Tetrachloroeth...	0.364	0.319	0.335	0.344	0.348	0.325	0.324	0.349	0.349	0.372	0.343	5.08
51)		4-Methyl-2-Pen...		0.399	0.442	0.490	0.486	0.472	0.466	0.490	0.502	0.489	0.471	6.85
52)		t-1,3-Dichloro...			0.327	0.357	0.395	0.394	0.403	0.460	0.479	0.501	0.415	14.54
53)		1,1,2-Trichlor...	0.264	0.275	0.301	0.341	0.345	0.325	0.313	0.332	0.335	0.341	0.317	9.06
54)		Dibromochlorom...		0.224	0.285	0.304	0.301	0.299	0.299	0.337	0.354	0.371	0.308	13.94
55)		1,3-Dichloropr...		0.456	0.508	0.531	0.548	0.529	0.518	0.538	0.546	0.554	0.525	5.67
56)		1,2-Dibromoeth...	0.212	0.279	0.290	0.325	0.333	0.334	0.327	0.352	0.361	0.374	0.319	14.92
57)		2-Hexanone			0.291	0.328	0.339	0.338	0.342	0.359	0.371	0.361	0.341	7.23
58)	P	Chlorobenzene		0.829	0.816	0.862	0.924	0.910	0.865	0.833	0.898	0.888	0.913	0.874	4.40
59)	C	Ethylbenzene	1.409	1.459	1.370	1.439	1.493	1.452	1.392	1.362	1.440	1.433	1.471	1.429	2.91
60)		1,1,1,2-Tetrac...		0.221	0.225	0.268	0.292	0.281	0.277	0.270	0.301	0.308	0.320	0.276	11.83
61)		m,p-Xylenes (2)	1.085	1.092	0.940	0.993	1.030	1.085	1.050	1.042	1.103	1.110	1.144	1.061	5.47
62)		o-Xylene	0.865	1.016	0.950	1.019	1.052	1.069	1.054	1.054	1.118	1.124	1.152	1.043	7.84
63)		Styrene			0.590	0.664	0.742	0.812	0.824	0.833	0.906	0.923	0.940	0.804	14.85
64)	P	Bromoform			0.189	0.207	0.204	0.208	0.218	0.252	0.267	0.277	0.228	14.39
65)		Isopropylbenzene	1.130	1.196	1.081	1.138	1.218	1.270	1.252	1.243	1.310	1.311	1.342	1.226	6.81
66)	I	1,4-Dichlorobenzen...	----------ISTD----------												
67)	S	4-Bromofluorob...	0.872	0.872	0.871	0.860	0.860	0.838	0.824	0.803	0.807	0.796	0.787	0.835	3.96

Method Path : C:\msdchem\1\methods\
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68)		Bromobenzene		0.716	0.680	0.792	0.800	0.770	0.723	0.693	0.742	0.750	0.783	0.745	5.57
69)		n-Propylbenzene		3.074	2.772	2.919	3.077	3.005	2.938	2.826	3.013	3.021	3.119	2.976	3.77
70)	P	1,1,2,2-Tetrac...		0.624	0.593	0.686	0.737	0.678	0.630	0.601	0.631	0.622	0.615	0.642	6.96
71)		2-Chlorotoluene		0.540	0.497	0.584	0.687	0.656	0.633	0.607	0.643	0.654	0.674	0.618	9.89
72)		1,3,5-Trimethy...		1.787	1.666	1.836	2.007	1.977	1.949	1.934	2.081	2.129	2.210	1.957	8.36
73)		1,2,3-Trichlor...				0.348	0.362	0.322	0.309	0.288	0.305	0.307	0.304	0.318	7.84
74)		t-1,4-Dichloro...			0.157	0.177	0.217	0.201	0.203	0.205	0.226	0.235	0.237	0.206	12.68
75)		4-Chlorotoluene		2.001	1.622	1.829	1.997	1.949	1.855	1.798	1.897	1.913	1.946	1.881	6.02
76)		tert-Butylbenzene		1.073	1.076	1.138	1.202	1.198	1.135	1.104	1.151	1.157	1.207	1.144	4.30
77)		1,2,4-Trimethy...		1.724	1.606	1.722	1.935	1.949	1.968	1.949	2.090	2.117	2.178	1.924	9.72
78)		sec-Butylbenzene		2.236	2.046	2.201	2.411	2.424	2.408	2.355	2.461	2.482	2.539	2.356	6.41
79)		4-Isopropyltol...		1.601	1.544	1.617	1.824	1.910	1.941	1.952	2.072	2.115	2.185	1.876	12.02
80)		1,3-Dichlorobe...		1.183	1.113	1.235	1.300	1.235	1.204	1.155	1.239	1.251	1.278	1.219	4.64
81)		1,4-Dichlorobe...	1.219	1.348	1.304	1.381	1.446	1.319	1.246	1.211	1.284	1.295	1.321	1.307	5.32
82)		n-Butylbenzene				1.246	1.423	1.488	1.568	1.621	1.714	1.775	1.841	1.584	12.40
83)		1,2-Dichlorobe...		1.104	1.042	1.188	1.281	1.182	1.142	1.114	1.195	1.190	1.214	1.165	5.74
84)		1,2-Dibromo-3-...				0.166	0.195	0.185	0.192	0.191	0.220	0.237	0.250	0.204	13.90
85)		Hexachlorobuta...				0.110	0.145	0.140	0.145	0.149	0.141	0.156	0.167	0.144	11.35

Method Path : C:\msdchem\1\methods\
Method File : VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021

86)	1,2,4-Trichlor...				0.444	0.520	0.479	0.521	0.533	0.604	0.664		0.538	13.79
87)	Naphthalene	0.472	0.961	0.978	1.262	1.377	1.377	1.483	1.637	1.978	2.244	2.455	1.475	39.60
88)	1,2,3-Trichlor...				0.413	0.481	0.474	0.475	0.484	0.553	0.619		0.500	13.29

(#) = Out of Range

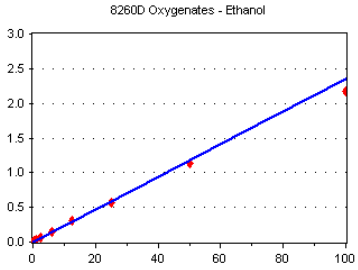
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Ethanol

Curve Fit: **AVERAGE RF**

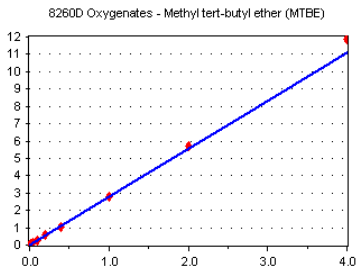


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~6.25~~	~~564~~	~~3.423~~	~~3.16~~
~~1E10062-CAL2~~	~~12.5~~	~~944~~	~~2.950~~	~~3.16~~
1E10062-CAL3	25	1548	2.394	3.17
1E10062-CAL4	62.5	3649	2.311	3.17
1E10062-CAL5	125	8408	2.572	3.16
1E10062-CAL6	312	18876	0.024	3.17
1E10062-CAL7	625	39006	2.404	3.16
1E10062-CAL8	1250	75695	2.283	3.16
1E10062-CAL9	2500	151480	2.272	3.16
1E10062-CALA	5000	281776	2.178	3.17

AVE RF **2.349** RF RSD **4.99** AVE RT **3.17**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

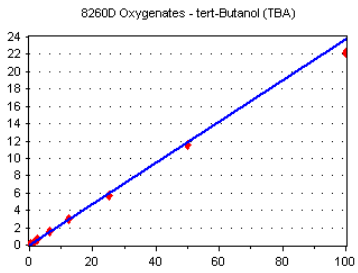


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~693~~	~~2.629~~	~~4.11~~
1E10062-CAL2	0.2	1411	2.756	4.09
1E10062-CAL3	0.4	2748	2.656	4.11
1E10062-CAL4	1	6572	2.602	4.10
1E10062-CAL5	2	14647	2.800	4.10
1E10062-CAL6	5	35862	2.818	4.11
1E10062-CAL7	10	72079	2.777	4.10
1E10062-CAL8	20	140028	2.640	4.09
1E10062-CAL9	50	376128	2.820	4.09
1E10062-CALA	100	741096	2.864	4.10
1E10062-CALB	200	1519899	2.963	4.09

AVE RF **2.770** RF RSD **4.00** AVE RT **4.10**

tert-Butanol (TBA)

Curve Fit: **AVERAGE RF**

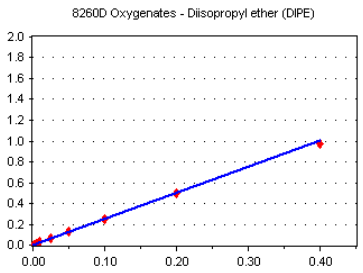


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~6.25~~	~~3634~~	~~0.221~~	~~4.22~~
1E10062-CAL2	12.5	8002	0.250	4.21
1E10062-CAL3	25	14430	0.223	4.22
1E10062-CAL4	62.5	38763	0.246	4.22
1E10062-CAL5	125	83585	0.256	4.22
1E10062-CAL6	312	190796	0.240	4.22
1E10062-CAL7	625	387279	0.239	4.21
1E10062-CAL8	1250	763157	0.230	4.21
1E10062-CAL9	2500	1535643	0.230	4.21
1E10062-CALA	5000	2875900	0.222	4.22

AVE RF **0.237** RF RSD **4.95** AVE RT **4.21**

Diisopropyl ether (DIPE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.05~~	~~127~~	~~0.992~~	~~0.00~~
1E10062-CAL3	0.1	594	2.297	4.50
1E10062-CAL4	0.25	1562	2.473	4.49
1E10062-CAL5	0.5	3617	2.766	4.49
1E10062-CAL6	1.25	8292	2.606	4.50
1E10062-CAL7	2.5	16537	2.549	4.50
1E10062-CAL8	5	32274	2.434	4.49
1E10062-CAL9	10	66435	2.491	4.49
1E10062-CALA	20	126066	2.436	4.50

AVE RF **2.506** RF RSD **5.53** AVE RT **4.49**

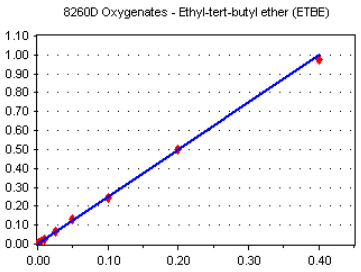
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Ethyl-tert-butyl ether (ETBE)

Curve Fit: **AVERAGE RF**

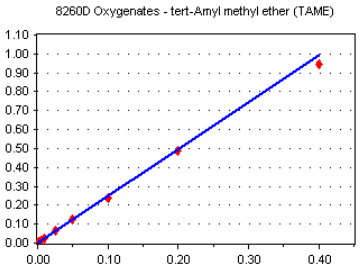


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL3	0.1	598	2.312	4.87
1E10062-CAL4	0.25	1573	2.491	4.87
1E10062-CAL5	0.5	3385	2.588	4.87
1E10062-CAL6	1.25	8379	2.634	4.87
1E10062-CAL7	2.5	16664	2.568	4.87
1E10062-CAL8	5	32475	2.449	4.86
1E10062-CAL9	10	66942	2.510	4.87
1E10062-CALA	20	125935	2.434	4.87

AVE RF **2.498** RF RSD **4.08** AVE RT **4.87**

tert-Amyl methyl ether (TAME)

Curve Fit: **AVERAGE RF**

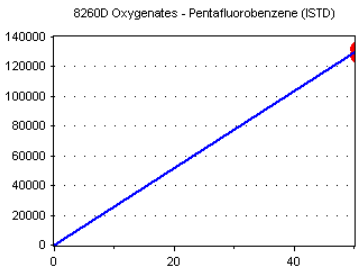


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.05	247	1.930	0.00
1E10062-CAL3	0.1	717	2.772	6.17
1E10062-CAL4	0.25	1724	2.730	6.17
1E10062-CAL5	0.5	3479	2.660	6.17
1E10062-CAL6	1.25	8230	2.587	6.17
1E10062-CAL7	2.5	16071	2.477	6.17
1E10062-CAL8	5	31333	2.363	6.16
1E10062-CAL9	10	64754	2.428	6.16
1E10062-CALA	20	122271	2.363	6.17

AVE RF **2.479** RF RSD **10.33** AVE RT **5.48**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**

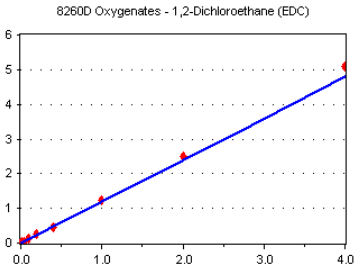


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	131806	2636.120	6.14
1E10062-CAL2	50	127985	2559.700	6.14
1E10062-CAL3	50	129323	2586.460	6.14
1E10062-CAL4	50	126301	2526.020	6.14
1E10062-CAL5	50	130787	2615.740	6.14
1E10062-CAL6	50	127265	2545.300	6.14
1E10062-CAL7	50	129777	2595.540	6.14
1E10062-CAL8	50	132602	2652.040	6.14
1E10062-CAL9	50	133359	2667.180	6.14
1E10062-CALA	50	129368	2587.360	6.14
1E10062-CALB	50	128227	2564.540	6.14

AVE RF **2594.182** RF RSD **1.73** AVE RT **6.14**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	517	1.010	6.27
1E10062-CAL3	0.4	1256	1.214	6.27
1E10062-CAL4	1	2891	1.144	6.27
1E10062-CAL5	2	6309	1.206	6.27
1E10062-CAL6	5	16025	1.259	6.27
1E10062-CAL7	10	31886	1.228	6.26
1E10062-CAL8	20	61448	1.159	6.26
1E10062-CAL9	50	164873	1.236	6.26
1E10062-CALA	100	322585	1.247	6.26
1E10062-CALB	200	653632	1.274	6.26

AVE RF **1.198** RF RSD **6.50** AVE RT **6.26**

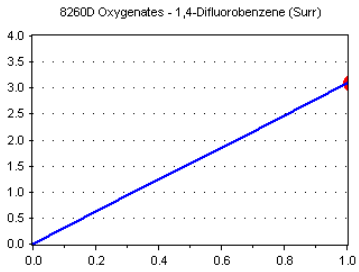
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

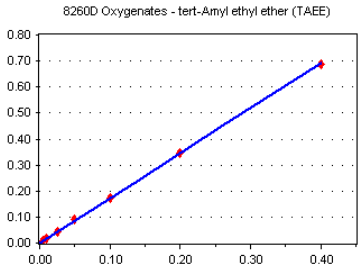


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	404642	3.070	6.70
1E10062-CAL2	50	391059	3.056	6.70
1E10062-CAL3	50	396825	3.068	6.70
1E10062-CAL4	50	387968	3.072	6.70
1E10062-CAL5	50	402981	3.081	6.70
1E10062-CAL6	50	391745	3.078	6.70
1E10062-CAL7	50	404377	3.116	6.70
1E10062-CAL8	50	406309	3.064	6.70
1E10062-CAL9	50	414669	3.109	6.70
1E10062-CALA	50	404248	3.125	6.70
1E10062-CALB	50	402184	3.136	6.70

AVE RF **3.089** RF RSD **0.90** AVE RT **6.70**

tert-Amyl ethyl ether (TAEE)

Curve Fit: **AVERAGE RF**

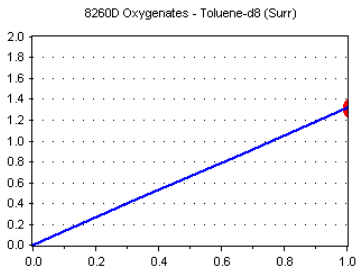


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.1~~	~~203~~	~~0.785~~	~~6.92~~
1E10062-CAL4	0.25	991	1.569	6.92
1E10062-CAL5	0.5	2266	1.733	6.92
1E10062-CAL6	1.25	5743	1.805	6.91
1E10062-CAL7	2.5	11798	1.818	6.91
1E10062-CAL8	5	22851	1.723	6.91
1E10062-CAL9	10	46370	1.739	6.91
1E10062-CALA	20	89108	1.722	6.92

AVE RF **1.730** RF RSD **4.69** AVE RT **6.91**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

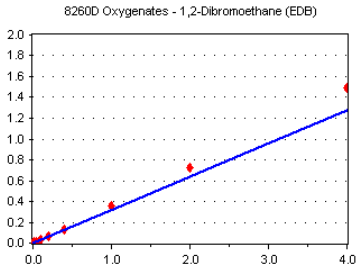


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	460010	1.341	8.21
1E10062-CAL2	50	443544	1.337	8.21
1E10062-CAL3	50	454633	1.347	8.21
1E10062-CAL4	50	443418	1.331	8.21
1E10062-CAL5	50	457660	1.320	8.21
1E10062-CAL6	50	448874	1.333	8.21
1E10062-CAL7	50	466984	1.317	8.21
1E10062-CAL8	50	468341	1.318	8.21
1E10062-CAL9	50	476910	1.306	8.21
1E10062-CALA	50	461300	1.291	8.21
1E10062-CALB	50	456767	1.277	8.21

AVE RF **1.320** RF RSD **1.64** AVE RT **8.21**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	281	0.212	9.36
1E10062-CAL3	0.4	752	0.279	9.36
1E10062-CAL4	1	1935	0.290	9.36
1E10062-CAL5	2	4513	0.325	9.36
1E10062-CAL6	5	11197	0.333	9.35
1E10062-CAL7	10	23654	0.334	9.35
1E10062-CAL8	20	46488	0.327	9.35
1E10062-CAL9	50	128683	0.352	9.35
1E10062-CALA	100	258247	0.361	9.35
1E10062-CALB	200	534384	0.374	9.35

AVE RF **0.319** RF RSD **14.92** AVE RT **9.35**

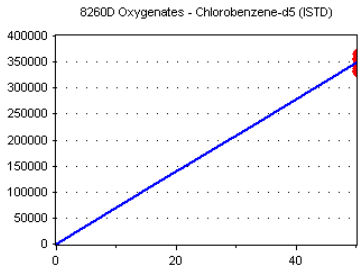
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

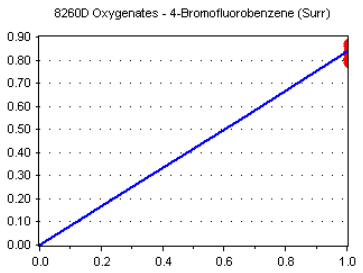


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	342910	6858.200	9.84
1E10062-CAL2	50	331847	6636.940	9.84
1E10062-CAL3	50	337437	6748.740	9.84
1E10062-CAL4	50	333123	6662.460	9.84
1E10062-CAL5	50	346809	6936.180	9.84
1E10062-CAL6	50	336719	6734.380	9.84
1E10062-CAL7	50	354621	7092.420	9.84
1E10062-CAL8	50	355336	7106.720	9.84
1E10062-CAL9	50	365248	7304.960	9.84
1E10062-CALA	50	357235	7144.700	9.84
1E10062-CALB	50	357676	7153.520	9.84

AVE RF **6943.565** RF RSD **3.30** AVE RT **9.84**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

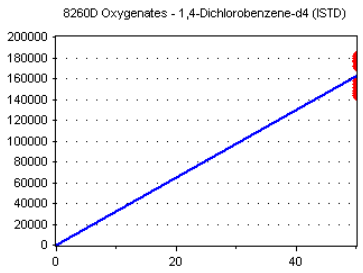


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	132034	0.872	10.91
1E10062-CAL2	50	125133	0.872	10.91
1E10062-CAL3	50	129290	0.871	10.91
1E10062-CAL4	50	125913	0.860	10.91
1E10062-CAL5	50	132591	0.860	10.91
1E10062-CAL6	50	131922	0.838	10.91
1E10062-CAL7	50	141803	0.824	10.91
1E10062-CAL8	50	143835	0.803	10.91
1E10062-CAL9	50	146860	0.807	10.91
1E10062-CALA	50	141270	0.796	10.91
1E10062-CALB	50	138733	0.787	10.91

AVE RF **0.835** RF RSD **3.96** AVE RT **10.91**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	151363	3027.260	11.80
1E10062-CAL2	50	143542	2870.840	11.80
1E10062-CAL3	50	148444	2968.880	11.80
1E10062-CAL4	50	146472	2929.440	11.80
1E10062-CAL5	50	154260	3085.200	11.80
1E10062-CAL6	50	157477	3149.540	11.80
1E10062-CAL7	50	171995	3439.900	11.80
1E10062-CAL8	50	179037	3580.740	11.80
1E10062-CAL9	50	181935	3638.700	11.80
1E10062-CALA	50	177542	3550.840	11.80
1E10062-CALB	50	176223	3524.460	11.80

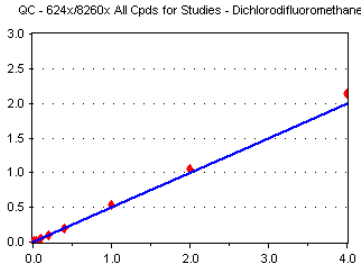
AVE RF **3251.436** RF RSD **9.10** AVE RT **11.80**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Dichlorodifluoromethane

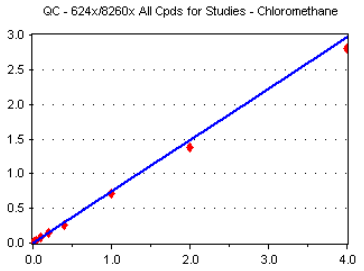


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~152~~	~~0.297~~	~~1.64~~
1E10062-CAL3	0.4	422	0.408	1.65
1E10062-CAL4	1	1204	0.477	1.65
1E10062-CAL5	2	2652	0.507	1.65
1E10062-CAL6	5	6754	0.531	1.65
1E10062-CAL7	10	12905	0.497	1.65
1E10062-CAL8	20	25759	0.486	1.65
1E10062-CAL9	50	72154	0.541	0.00
1E10062-CALA	100	135587	0.524	0.00
1E10062-CALB	200	274076	0.534	0.00

AVE RF **0.500** RF RSD **8.26** AVE RT **1.10**

Chloromethane

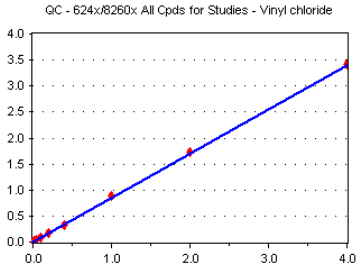


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~447~~	~~1.696~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~592~~	~~1.156~~	~~1.86~~
~~1E10062-CAL3~~	~~0.4~~	~~1168~~	~~1.129~~	~~1.87~~
1E10062-CAL4	1	2275	0.901	1.87
1E10062-CAL5	2	4237	0.810	1.86
1E10062-CAL6	5	9903	0.778	1.87
1E10062-CAL7	10	18103	0.697	1.87
1E10062-CAL8	20	34840	0.657	1.86
1E10062-CAL9	50	94706	0.710	1.87
1E10062-CALA	100	178293	0.689	1.87
1E10062-CALB	200	359005	0.700	1.87

AVE RF **0.743** RF RSD **10.90** AVE RT **1.87**

Vinyl chloride

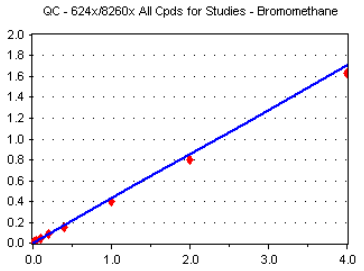


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~127~~	~~0.482~~	~~1.97~~
1E10062-CAL2	0.2	409	0.799	1.96
1E10062-CAL3	0.4	864	0.835	1.96
1E10062-CAL4	1	2109	0.835	1.96
1E10062-CAL5	2	4504	0.861	1.96
1E10062-CAL6	5	11384	0.895	1.97
1E10062-CAL7	10	22506	0.867	1.97
1E10062-CAL8	20	42851	0.808	1.96
1E10062-CAL9	50	116923	0.877	1.96
1E10062-CALA	100	222944	0.862	1.97
1E10062-CALB	200	437650	0.853	1.97

AVE RF **0.849** RF RSD **3.53** AVE RT **1.96**

Bromomethane



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~315~~	~~0.615~~	~~2.32~~
1E10062-CAL3	0.4	448	0.433	2.33
1E10062-CAL4	1	1272	0.504	2.32
1E10062-CAL5	2	2438	0.466	2.32
1E10062-CAL6	5	5744	0.451	2.33
1E10062-CAL7	10	10810	0.416	2.32
1E10062-CAL8	20	19563	0.369	2.32
1E10062-CAL9	50	53264	0.399	2.32
1E10062-CALA	100	103077	0.398	2.33
1E10062-CALB	200	209791	0.409	2.33

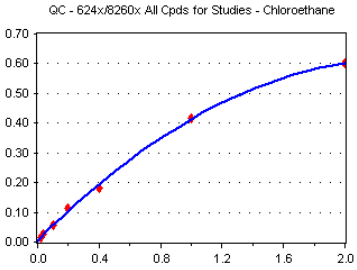
AVE RF **0.427** RF RSD **9.58** AVE RT **2.33**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Chloroethane

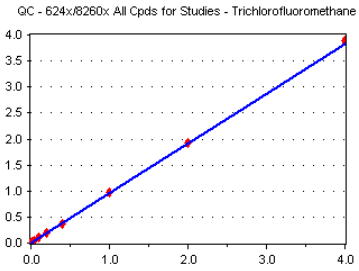


Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~459~~	~~0.897~~	~~2.46~~
~~1E10062-CAL3~~	~~0.4~~	~~486~~	~~0.470~~	~~2.48~~
1E10062-CAL4	1	1940	0.768	2.48
1E10062-CAL5	2	3378	0.646	2.47
1E10062-CAL6	5	7224	0.568	2.48
1E10062-CAL7	10	14975	0.577	2.46
1E10062-CAL8	20	24052	0.453	2.45
1E10062-CAL9	50	55466	0.416	2.46
1E10062-CALA	100	77778	0.301	2.46
~~1E10062-CALB~~	~~200~~	~~24862~~	~~4.847~~	~~2.45~~

AVE RF **0.533** RF RSD **29.20** AVE RT **2.46**

Trichlorofluoromethane

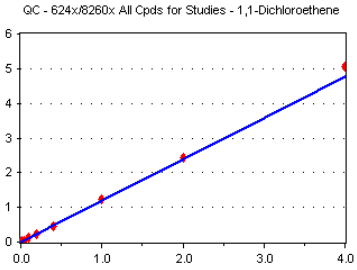


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~115~~	~~0.436~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~461~~	~~0.900~~	~~2.62~~
1E10062-CAL3	0.4	941	0.910	2.64
1E10062-CAL4	1	2447	0.969	2.63
1E10062-CAL5	2	5087	0.972	2.63
1E10062-CAL6	5	12571	0.988	2.63
1E10062-CAL7	10	25047	0.965	2.63
1E10062-CAL8	20	47979	0.905	2.62
1E10062-CAL9	50	128709	0.965	2.62
1E10062-CALA	100	248334	0.960	2.62
1E10062-CALB	200	499215	0.973	2.62

AVE RF **0.956** RF RSD **3.03** AVE RT **2.63**

1,1-Dichloroethene

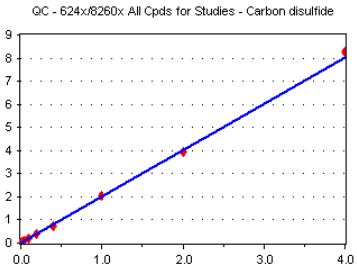


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~120~~	~~0.455~~	~~0.00~~
1E10062-CAL2	0.2	587	1.147	3.18
1E10062-CAL3	0.4	1180	1.141	3.19
1E10062-CAL4	1	2963	1.173	3.19
1E10062-CAL5	2	6178	1.181	3.18
1E10062-CAL6	5	15472	1.216	3.19
1E10062-CAL7	10	30719	1.184	3.19
1E10062-CAL8	20	59551	1.123	3.18
1E10062-CAL9	50	165213	1.239	3.18
1E10062-CALA	100	316255	1.222	3.19
1E10062-CALB	200	648768	1.265	3.18

AVE RF **1.189** RF RSD **3.86** AVE RT **3.18**

Carbon disulfide



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~650~~	~~2.466~~	~~3.21~~
1E10062-CAL2	0.2	1164	2.274	3.20
1E10062-CAL3	0.4	2077	2.008	3.21
1E10062-CAL4	1	4811	1.905	3.21
1E10062-CAL5	2	10346	1.978	3.20
1E10062-CAL6	5	25814	2.028	3.21
1E10062-CAL7	10	50163	1.933	3.21
1E10062-CAL8	20	97218	1.833	3.20
1E10062-CAL9	50	269649	2.022	3.20
1E10062-CALA	100	512072	1.979	3.21
1E10062-CALB	200	1060159	2.067	3.20

AVE RF **2.003** RF RSD **5.84** AVE RT **3.20**

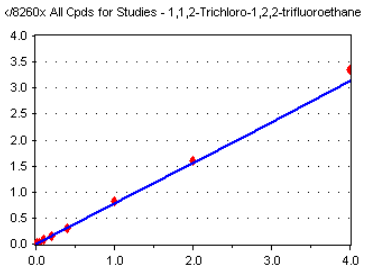
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,1,2-Trichloro-1,2,2-trifluoroetha

Curve Fit: **AVERAGE RF**

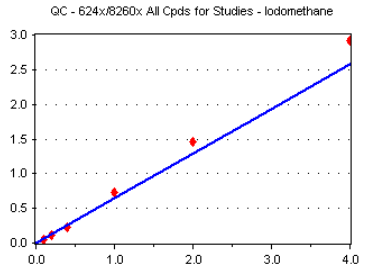


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~212~~	~~0.414~~	~~3.23~~
1E10062-CAL3	0.4	741	0.716	3.24
1E10062-CAL4	1	1868	0.740	3.24
1E10062-CAL5	2	4135	0.790	3.23
1E10062-CAL6	5	10391	0.816	3.24
1E10062-CAL7	10	20081	0.774	3.24
1E10062-CAL8	20	39528	0.745	3.23
1E10062-CAL9	50	108606	0.814	3.24
1E10062-CALA	100	205671	0.795	3.24
1E10062-CALB	200	430807	0.840	3.24

AVE RF **0.781** RF RSD **5.23** AVE RT **3.24**

Iodomethane

Curve Fit: **AVERAGE RF**

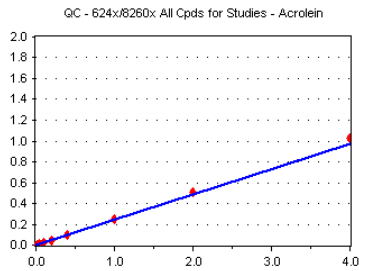


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~313~~	~~0.303~~	~~3.34~~
~~1E10062-CAL4~~	~~1~~	~~1019~~	~~0.403~~	~~3.33~~
~~1E10062-CAL5~~	~~2~~	~~2474~~	~~0.473~~	~~3.33~~
1E10062-CAL6	5	6859	0.539	3.34
1E10062-CAL7	10	14740	0.568	3.33
1E10062-CAL8	20	30892	0.582	3.33
1E10062-CAL9	50	96975	0.727	3.33
1E10062-CALA	100	188701	0.729	3.33
1E10062-CALB	200	374557	0.730	3.33

AVE RF **0.646** RF RSD **14.23** AVE RT **3.33**

Acrolein

Curve Fit: **AVERAGE RF**

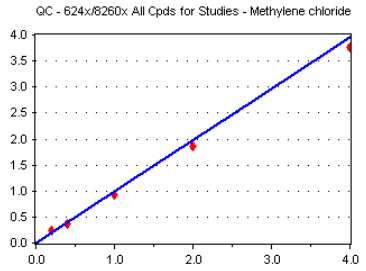


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~125~~	~~0.121~~	~~3.58~~
1E10062-CAL4	1	537	0.213	3.56
1E10062-CAL5	2	1250	0.239	3.56
1E10062-CAL6	5	3154	0.248	3.56
1E10062-CAL7	10	6237	0.240	3.56
1E10062-CAL8	20	12370	0.233	3.55
1E10062-CAL9	50	33176	0.249	3.56
1E10062-CALA	100	66424	0.257	3.56
1E10062-CALB	200	132360	0.258	3.56

AVE RF **0.242** RF RSD **6.07** AVE RT **3.56**

Methylene chloride

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~6340~~	~~24.051~~	~~3.82~~
~~1E10062-CAL2~~	~~0.2~~	~~5460~~	~~10.665~~	~~3.81~~
~~1E10062-CAL3~~	~~0.4~~	~~7315~~	~~7.070~~	~~3.81~~
~~1E10062-CAL4~~	~~1~~	~~9001~~	~~3.563~~	~~3.81~~
~~1E10062-CAL5~~	~~2~~	~~11735~~	~~2.243~~	~~3.81~~
~~1E10062-CAL6~~	~~5~~	~~19063~~	~~1.498~~	~~3.82~~
1E10062-CAL7	10	31154	1.200	3.81
1E10062-CAL8	20	49652	0.936	3.81
1E10062-CAL9	50	124991	0.937	3.81
1E10062-CALA	100	239627	0.926	3.81
1E10062-CALB	200	481556	0.939	3.81

AVE RF **0.988** RF RSD **12.04** AVE RT **3.81**

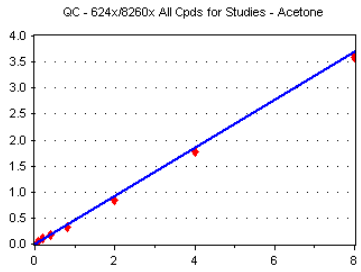
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Acetone

Curve Fit: **AVERAGE RF**

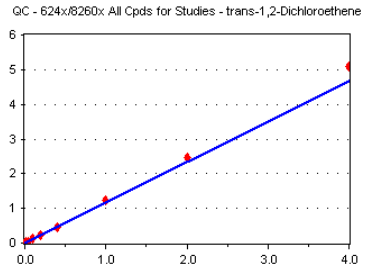


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.2~~	~~1473~~	~~2.794~~	~~3.88~~
~~1E10062-CAL2~~	~~0.4~~	~~1771~~	~~1.730~~	~~3.88~~
~~1E10062-CAL3~~	~~0.8~~	~~2064~~	~~0.998~~	~~3.88~~
~~1E10062-CAL4~~	~~2~~	~~3227~~	~~0.639~~	~~3.88~~
1E10062-CAL5	4	5845	0.559	3.88
1E10062-CAL6	10	12470	0.490	3.88
1E10062-CAL7	20	23804	0.459	3.88
1E10062-CAL8	40	44222	0.417	3.87
1E10062-CAL9	100	111862	0.419	3.87
1E10062-CALA	200	228023	0.441	3.87
1E10062-CALB	400	459817	0.448	3.87

AVE RF **0.462** RF RSD **10.69** AVE RT **3.87**

trans-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**

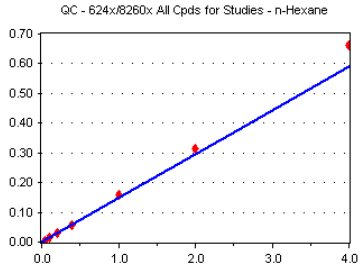


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~210~~	~~0.797~~	~~3.99~~
1E10062-CAL2	0.2	485	0.947	3.98
1E10062-CAL3	0.4	1135	1.097	3.98
1E10062-CAL4	1	2892	1.145	3.98
1E10062-CAL5	2	6262	1.197	3.98
1E10062-CAL6	5	15598	1.226	3.98
1E10062-CAL7	10	30859	1.189	3.98
1E10062-CAL8	20	60093	1.133	3.98
1E10062-CAL9	50	162196	1.216	3.98
1E10062-CALA	100	316803	1.224	3.98
1E10062-CALB	200	651025	1.269	3.98

AVE RF **1.164** RF RSD **7.88** AVE RT **3.98**

n-Hexane

Curve Fit: **AVERAGE RF**

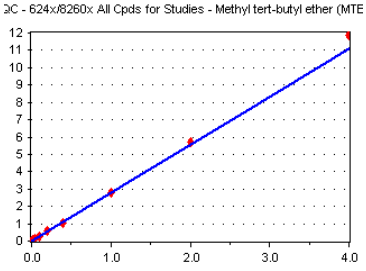


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL4~~	~~1~~	~~213~~	~~8.432~~	~~4.07~~
1E10062-CAL5	2	657	0.126	4.06
1E10062-CAL6	5	1735	0.136	4.07
1E10062-CAL7	10	3747	0.144	4.06
1E10062-CAL8	20	7565	0.143	4.06
1E10062-CAL9	50	21225	0.159	4.06
1E10062-CALA	100	40757	0.158	4.06
1E10062-CALB	200	84727	0.165	4.06

AVE RF **0.147** RF RSD **9.55** AVE RT **4.06**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~693~~	~~2.629~~	~~4.11~~
1E10062-CAL2	0.2	1411	2.756	4.09
1E10062-CAL3	0.4	2748	2.656	4.11
1E10062-CAL4	1	6572	2.602	4.10
1E10062-CAL5	2	14647	2.800	4.10
1E10062-CAL6	5	35862	2.818	4.11
1E10062-CAL7	10	72079	2.777	4.10
1E10062-CAL8	20	140028	2.640	4.09
1E10062-CAL9	50	376128	2.820	4.09
1E10062-CALA	100	741096	2.864	4.10
1E10062-CALB	200	1519899	2.963	4.09

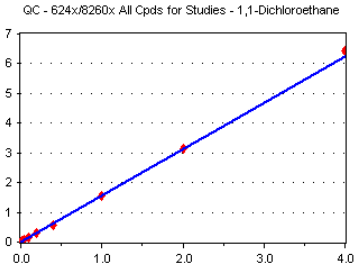
AVE RF **2.770** RF RSD **4.00** AVE RT **4.10**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,1-Dichloroethane

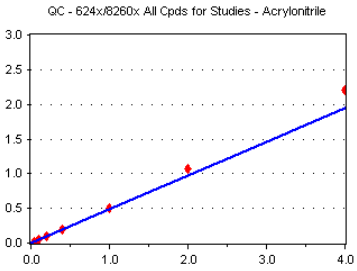


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~349~~	~~1.324~~	~~4.63~~
1E10062-CAL2	0.2	865	1.690	4.61
1E10062-CAL3	0.4	1615	1.561	4.62
1E10062-CAL4	1	3890	1.540	4.62
1E10062-CAL5	2	8195	1.566	4.62
1E10062-CAL6	5	19779	1.554	4.62
1E10062-CAL7	10	39824	1.534	4.62
1E10062-CAL8	20	77140	1.454	4.61
1E10062-CAL9	50	206585	1.549	4.62
1E10062-CALA	100	404743	1.564	4.62
1E10062-CALB	200	824253	1.607	4.62

AVE RF **1.562** RF RSD **3.78** AVE RT **4.62**

Acrylonitrile

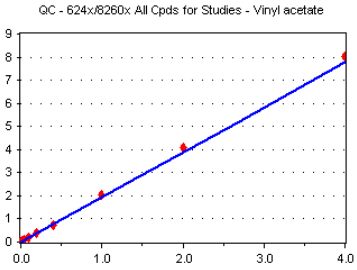


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL4~~	~~1~~	~~706~~	~~0.279~~	~~4.69~~
1E10062-CAL5	2	2022	0.387	4.68
1E10062-CAL6	5	5862	0.461	4.69
1E10062-CAL7	10	12805	0.493	4.68
1E10062-CAL8	20	25537	0.481	4.67
1E10062-CAL9	50	67678	0.507	4.67
1E10062-CALA	100	137828	0.533	4.68
1E10062-CALB	200	282776	0.551	4.67

AVE RF **0.488** RF RSD **11.08** AVE RT **4.68**

Vinyl acetate

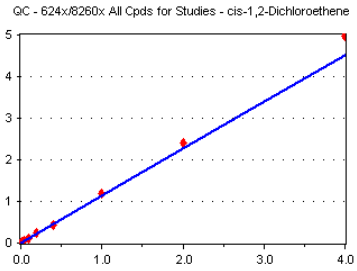


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL4	1	4231	1.675	4.90
1E10062-CAL5	2	9983	1.908	4.89
1E10062-CAL6	5	25158	1.977	4.89
1E10062-CAL7	10	51418	1.981	4.89
1E10062-CAL8	20	98975	1.866	4.88
1E10062-CAL9	50	274367	2.057	4.88
1E10062-CALA	100	531614	2.055	4.89
1E10062-CALB	200	1029020	2.006	4.89

AVE RF **1.941** RF RSD **6.49** AVE RT **4.89**

cis-1,2-Dichloroethene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	436	0.852	5.17
1E10062-CAL3	0.4	1121	1.084	5.18
1E10062-CAL4	1	2751	1.089	5.18
1E10062-CAL5	2	6058	1.158	5.17
1E10062-CAL6	5	15244	1.198	5.18
1E10062-CAL7	10	30375	1.170	5.17
1E10062-CAL8	20	58837	1.109	5.17
1E10062-CAL9	50	158798	1.191	5.17
1E10062-CALA	100	312315	1.207	5.17
1E10062-CALB	200	637812	1.244	5.17

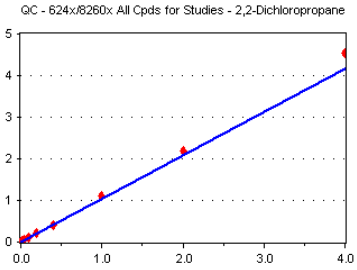
AVE RF **1.130** RF RSD **9.84** AVE RT **5.17**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

2,2-Dichloropropane

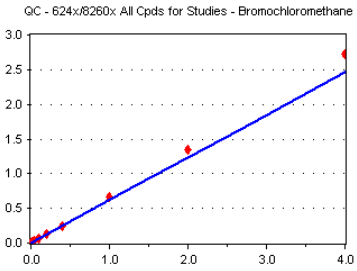


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~184~~	~~0.698~~	~~5.28~~
1E10062-CAL2	0.2	489	0.955	5.27
1E10062-CAL3	0.4	1008	0.974	5.28
1E10062-CAL4	1	2663	1.054	5.28
1E10062-CAL5	2	5368	1.026	5.27
1E10062-CAL6	5	13427	1.055	5.28
1E10062-CAL7	10	27386	1.055	5.28
1E10062-CAL8	20	52336	0.987	5.27
1E10062-CAL9	50	146584	1.099	5.28
1E10062-CALA	100	282987	1.094	5.28
1E10062-CALB	200	583604	1.138	5.28

AVE RF **1.044** RF RSD **5.62** AVE RT **5.28**

Bromochloromethane

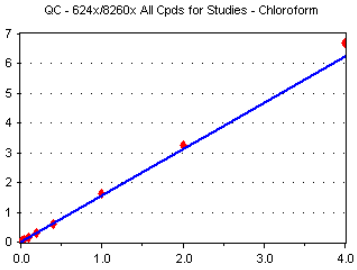


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~124~~	~~0.242~~	~~5.38~~
1E10062-CAL3	0.4	416	0.402	5.38
1E10062-CAL4	1	1382	0.547	5.38
1E10062-CAL5	2	3270	0.625	5.38
1E10062-CAL6	5	8559	0.673	5.38
1E10062-CAL7	10	16774	0.646	5.38
1E10062-CAL8	20	32543	0.614	5.37
1E10062-CAL9	50	89667	0.672	5.37
1E10062-CALA	100	174430	0.674	5.38
1E10062-CALB	200	348352	0.679	5.38

AVE RF **0.615** RF RSD **14.69** AVE RT **5.38**

Chloroform

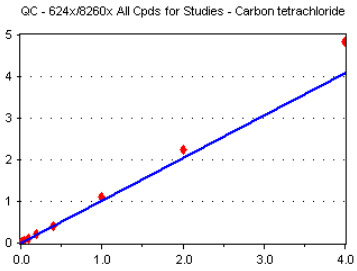


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~134~~	~~0.508~~	~~0.00~~
1E10062-CAL2	0.2	786	1.535	5.46
1E10062-CAL3	0.4	1490	1.440	5.46
1E10062-CAL4	1	3726	1.475	5.46
1E10062-CAL5	2	8331	1.592	5.46
1E10062-CAL6	5	20506	1.611	5.46
1E10062-CAL7	10	41262	1.590	5.46
1E10062-CAL8	20	78975	1.489	5.46
1E10062-CAL9	50	214797	1.611	5.46
1E10062-CALA	100	420711	1.626	5.46
1E10062-CALB	200	859865	1.676	5.46

AVE RF **1.565** RF RSD **4.86** AVE RT **5.46**

Carbon tetrachloride



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	385	0.752	5.58
1E10062-CAL3	0.4	969	0.937	5.59
1E10062-CAL4	1	2408	0.953	5.59
1E10062-CAL5	2	5545	1.060	5.58
1E10062-CAL6	5	13224	1.039	5.59
1E10062-CAL7	10	26945	1.038	5.59
1E10062-CAL8	20	52962	0.999	5.58
1E10062-CAL9	50	148752	1.115	5.58
1E10062-CALA	100	290012	1.121	5.59
1E10062-CALB	200	620546	1.210	5.59

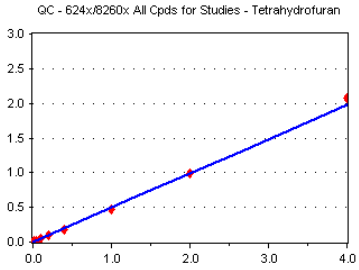
AVE RF **1.022** RF RSD **12.25** AVE RT **5.59**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Tetrahydrofuran

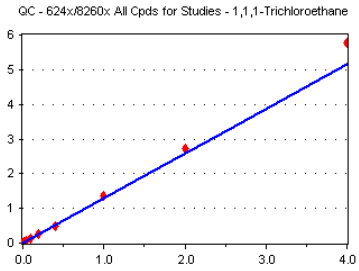


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~128~~	~~0.250~~	~~5.63~~
1E10062-CAL3	0.4	562	0.543	5.64
1E10062-CAL4	1	1229	0.487	5.63
1E10062-CAL5	2	2529	0.483	5.63
1E10062-CAL6	5	6299	0.495	5.63
1E10062-CAL7	10	12601	0.485	5.63
1E10062-CAL8	20	24225	0.457	5.62
1E10062-CAL9	50	63408	0.475	5.62
1E10062-CALA	100	128652	0.497	5.62
1E10062-CALB	200	266809	0.520	5.62

AVE RF **0.494** RF RSD **5.11** AVE RT **5.63**

1,1,1-Trichloroethane

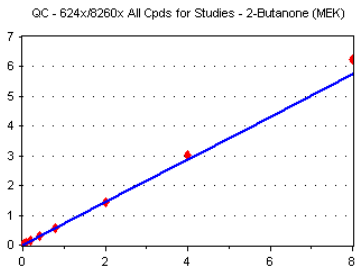


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~119~~	~~0.451~~	~~0.00~~
1E10062-CAL2	0.2	536	1.047	5.66
1E10062-CAL3	0.4	1314	1.270	5.66
1E10062-CAL4	1	3130	1.239	5.66
1E10062-CAL5	2	6724	1.285	5.66
1E10062-CAL6	5	17135	1.346	5.66
1E10062-CAL7	10	33327	1.284	5.66
1E10062-CAL8	20	66173	1.248	5.66
1E10062-CAL9	50	182017	1.365	5.66
1E10062-CALA	100	352147	1.361	5.66
1E10062-CALB	200	740762	1.444	5.66

AVE RF **1.289** RF RSD **8.24** AVE RT **5.66**

2-Butanone (MEK)

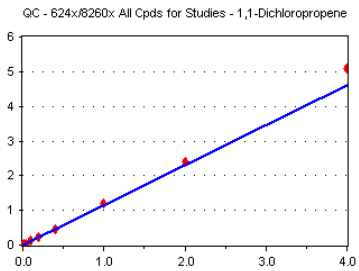


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.4~~	~~335~~	~~0.327~~	~~5.79~~
1E10062-CAL3	0.8	1443	0.697	5.80
1E10062-CAL4	2	3283	0.650	5.79
1E10062-CAL5	4	7529	0.720	5.79
1E10062-CAL6	10	18738	0.736	5.79
1E10062-CAL7	20	36947	0.712	5.78
1E10062-CAL8	40	74353	0.701	5.77
1E10062-CAL9	100	191392	0.718	5.77
1E10062-CALA	200	392225	0.758	5.77
1E10062-CALB	400	801928	0.782	5.77

AVE RF **0.719** RF RSD **5.24** AVE RT **5.78**

1,1-Dichloropropene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~118~~	~~0.448~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~480~~	~~0.938~~	~~5.79~~
1E10062-CAL3	0.4	1100	1.063	5.80
1E10062-CAL4	1	2721	1.077	5.80
1E10062-CAL5	2	5805	1.110	5.79
1E10062-CAL6	5	14976	1.177	5.79
1E10062-CAL7	10	30076	1.159	5.79
1E10062-CAL8	20	58528	1.103	5.79
1E10062-CAL9	50	161972	1.215	5.79
1E10062-CALA	100	311925	1.206	5.79
1E10062-CALB	200	652573	1.272	5.79

AVE RF **1.153** RF RSD **6.09** AVE RT **5.79**

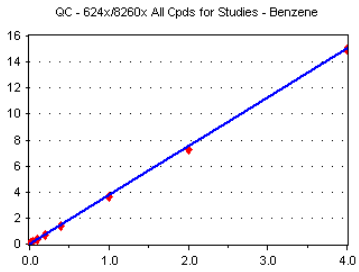
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Benzene

Curve Fit: **AVERAGE RF**

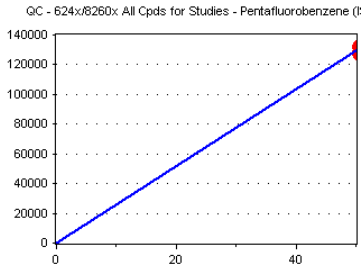


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	1287	4.882	6.05
1E10062-CAL2	0.2	2074	4.051	6.05
1E10062-CAL3	0.4	3867	3.738	6.05
1E10062-CAL4	1	8928	3.534	6.05
1E10062-CAL5	2	18961	3.624	6.05
1E10062-CAL6	5	47246	3.712	6.05
1E10062-CAL7	10	92103	3.549	6.05
1E10062-CAL8	20	179857	3.391	6.04
1E10062-CAL9	50	483930	3.629	6.04
1E10062-CALA	100	942960	3.644	6.05
1E10062-CALB	200	1920107	3.744	6.05

AVE RF **3.773** RF RSD **10.69** AVE RT **6.05**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**

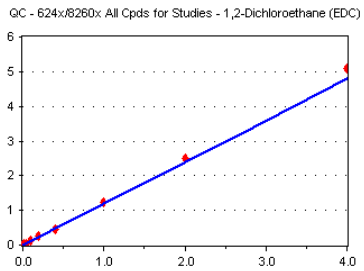


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	131806	2636.120	6.14
1E10062-CAL2	50	127985	2559.700	6.14
1E10062-CAL3	50	129323	2586.460	6.14
1E10062-CAL4	50	126301	2526.020	6.14
1E10062-CAL5	50	130787	2615.740	6.14
1E10062-CAL6	50	127265	2545.300	6.14
1E10062-CAL7	50	129777	2595.540	6.14
1E10062-CAL8	50	132602	2652.040	6.14
1E10062-CAL9	50	133359	2667.180	6.14
1E10062-CALA	50	129368	2587.360	6.14
1E10062-CALB	50	128227	2564.540	6.14

AVE RF **2594.182** RF RSD **1.73** AVE RT **6.14**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**

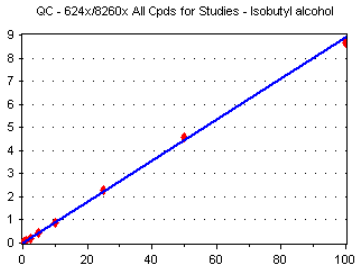


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	517	1.010	6.27
1E10062-CAL3	0.4	1256	1.214	6.27
1E10062-CAL4	1	2891	1.144	6.27
1E10062-CAL5	2	6309	1.206	6.27
1E10062-CAL6	5	16025	1.259	6.27
1E10062-CAL7	10	31886	1.228	6.26
1E10062-CAL8	20	61448	1.159	6.26
1E10062-CAL9	50	164873	1.236	6.26
1E10062-CALA	100	322585	1.247	6.26
1E10062-CALB	200	653632	1.274	6.26

AVE RF **1.198** RF RSD **6.50** AVE RT **6.26**

Isobutyl alcohol

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	2.5	565	8.573	6.31
1E10062-CAL2	5	1220	9.532	6.31
1E10062-CAL3	10	2251	8.703	6.30
1E10062-CAL4	25	5540	8.773	6.30
1E10062-CAL5	50	12187	9.318	6.30
1E10062-CAL6	125	27803	8.739	6.30
1E10062-CAL7	250	57329	8.835	6.29
1E10062-CAL8	500	114502	8.635	6.29
1E10062-CAL9	1250	303086	0.091	6.29
1E10062-CALA	2500	590834	0.091	6.29
1E10062-CALB	5000	1108319	8.643	6.30

AVE RF **8.907** RF RSD **3.54** AVE RT **6.30**

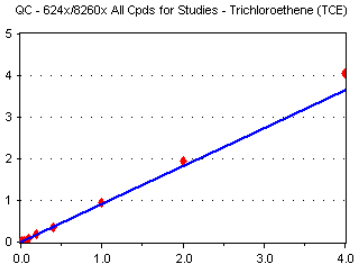
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Trichloroethene (TCE)

Curve Fit: **AVERAGE RF**

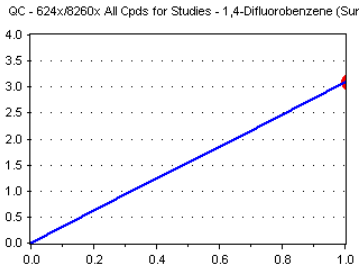


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~266~~	~~0.520~~	~~6.67~~
1E10062-CAL3	0.4	804	0.777	6.67
1E10062-CAL4	1	2218	0.878	6.67
1E10062-CAL5	2	4705	0.899	6.67
1E10062-CAL6	5	11677	0.918	6.67
1E10062-CAL7	10	23572	0.908	6.67
1E10062-CAL8	20	46158	0.870	6.66
1E10062-CAL9	50	126929	0.952	6.66
1E10062-CALA	100	251110	0.971	6.67
1E10062-CALB	200	519487	1.013	6.67

AVE RF **0.910** RF RSD **7.42** AVE RT **6.67**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

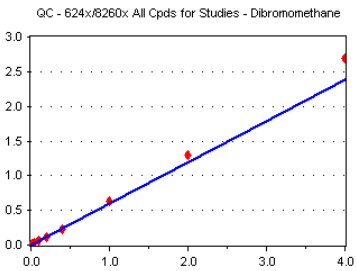


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	404642	3.070	6.70
1E10062-CAL2	50	391059	3.056	6.70
1E10062-CAL3	50	396825	3.068	6.70
1E10062-CAL4	50	387968	3.072	6.70
1E10062-CAL5	50	402981	3.081	6.70
1E10062-CAL6	50	391745	3.078	6.70
1E10062-CAL7	50	404377	3.116	6.70
1E10062-CAL8	50	406309	3.064	6.70
1E10062-CAL9	50	414669	3.109	6.70
1E10062-CALA	50	404248	3.125	6.70
1E10062-CALB	50	402184	3.136	6.70

AVE RF **3.089** RF RSD **0.90** AVE RT **6.70**

Dibromomethane

Curve Fit: **AVERAGE RF**

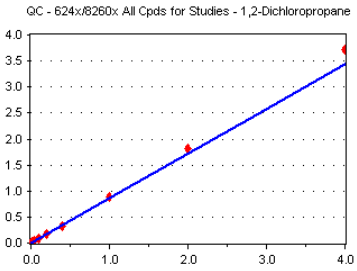


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL3	0.4	480	0.464	7.12
1E10062-CAL4	1	1345	0.532	7.13
1E10062-CAL5	2	3203	0.612	7.12
1E10062-CAL6	5	7753	0.609	7.12
1E10062-CAL7	10	15399	0.593	7.12
1E10062-CAL8	20	31082	0.586	7.12
1E10062-CAL9	50	84319	0.632	7.12
1E10062-CALA	100	168211	0.650	7.12
1E10062-CALB	200	346128	0.675	7.12

AVE RF **0.595** RF RSD **10.71** AVE RT **7.12**

1,2-Dichloropropane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	353	0.690	7.22
1E10062-CAL3	0.4	855	0.826	7.23
1E10062-CAL4	1	2133	0.844	7.23
1E10062-CAL5	2	4587	0.877	7.23
1E10062-CAL6	5	11528	0.906	7.23
1E10062-CAL7	10	22987	0.886	7.23
1E10062-CAL8	20	43901	0.828	7.22
1E10062-CAL9	50	118662	0.890	7.23
1E10062-CALA	100	234596	0.907	7.23
1E10062-CALB	200	477363	0.931	7.23

AVE RF **0.858** RF RSD **8.01** AVE RT **7.23**

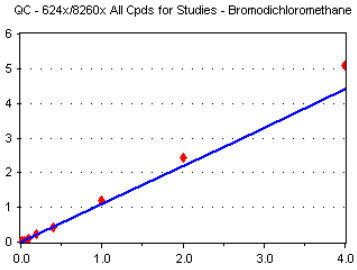
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Bromodichloromethane

Curve Fit: **AVERAGE RF**

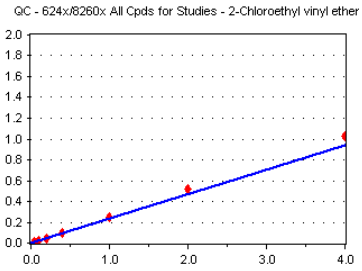


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	479	0.936	7.30
1E10062-CAL3	0.4	956	0.924	7.31
1E10062-CAL4	1	2683	1.062	7.31
1E10062-CAL5	2	5895	1.127	7.30
1E10062-CAL6	5	14283	1.122	7.30
1E10062-CAL7	10	28659	1.104	7.30
1E10062-CAL8	20	56177	1.059	7.30
1E10062-CAL9	50	157972	1.185	7.30
1E10062-CALA	100	313721	1.213	7.30
1E10062-CALB	200	650907	1.269	7.30

AVE RF **1.100** RF RSD **10.08** AVE RT **7.30**

2-Chloroethyl vinyl ether

Curve Fit: **AVERAGE RF**

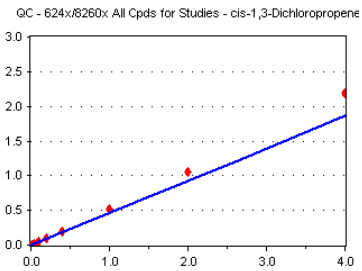


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~208~~	~~7.705~~	~~7.96~~
~~1E10062-CAL4~~	~~1~~	~~1067~~	~~0.160~~	~~7.96~~
1E10062-CAL5	2	2685	0.194	7.95
1E10062-CAL6	5	7621	0.226	7.94
1E10062-CAL7	10	15930	0.225	7.94
1E10062-CAL8	20	32912	0.232	7.94
1E10062-CAL9	50	91731	0.251	7.94
1E10062-CALA	100	183466	0.257	7.94
1E10062-CALB	200	368605	0.258	7.94

AVE RF **0.235** RF RSD **9.78** AVE RT **7.94**

cis-1,3-Dichloropropene

Curve Fit: **AVERAGE RF**

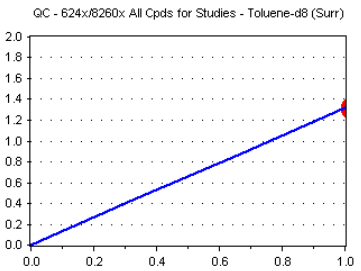


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~479~~	~~0.361~~	~~8.02~~
1E10062-CAL3	0.4	930	0.345	8.01
1E10062-CAL4	1	2696	0.405	8.01
1E10062-CAL5	2	6300	0.454	8.01
1E10062-CAL6	5	15651	0.465	8.01
1E10062-CAL7	10	32612	0.460	8.01
1E10062-CAL8	20	66396	0.467	8.01
1E10062-CAL9	50	186640	0.511	8.01
1E10062-CALA	100	378778	0.530	8.01
1E10062-CALB	200	785449	0.549	8.01

AVE RF **0.465** RF RSD **13.54** AVE RT **8.01**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	460010	1.341	8.21
1E10062-CAL2	50	443544	1.337	8.21
1E10062-CAL3	50	454633	1.347	8.21
1E10062-CAL4	50	443418	1.331	8.21
1E10062-CAL5	50	457660	1.320	8.21
1E10062-CAL6	50	448874	1.333	8.21
1E10062-CAL7	50	466984	1.317	8.21
1E10062-CAL8	50	468341	1.318	8.21
1E10062-CAL9	50	476910	1.306	8.21
1E10062-CALA	50	461300	1.291	8.21
1E10062-CALB	50	456767	1.277	8.21

AVE RF **1.320** RF RSD **1.64** AVE RT **8.21**

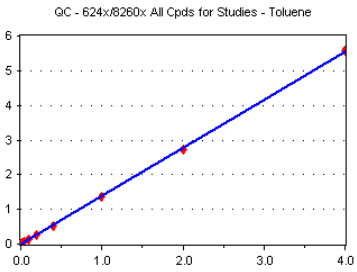
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Toluene

Curve Fit: **AVERAGE RF**

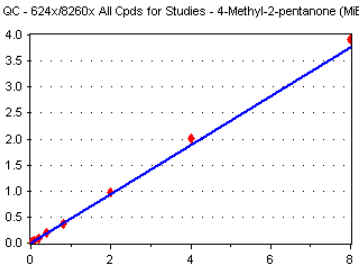


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	1000	1.458	8.28
1E10062-CAL2	0.2	1979	1.491	8.27
1E10062-CAL3	0.4	3809	1.411	8.27
1E10062-CAL4	1	8991	1.350	8.27
1E10062-CAL5	2	19179	1.383	8.27
1E10062-CAL6	5	46875	1.392	8.27
1E10062-CAL7	10	94330	1.330	8.27
1E10062-CAL8	20	182825	1.286	8.27
1E10062-CAL9	50	496582	1.360	8.27
1E10062-CALA	100	969220	1.357	8.27
1E10062-CALB	200	1994787	1.394	8.27

AVE RF **1.383** RF RSD **4.14** AVE RT **8.27**

4-Methyl-2-pentanone (MiBK)

Curve Fit: **AVERAGE RF**

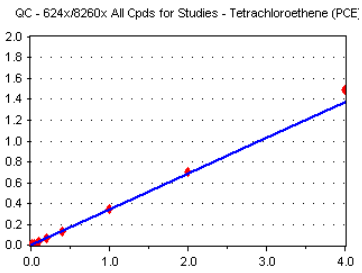


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.2~~	~~584~~	~~0.426~~	~~8.74~~
~~1E10062-CAL2~~	~~0.4~~	~~1356~~	~~0.511~~	~~8.72~~
1E10062-CAL3	0.8	2154	0.399	8.72
1E10062-CAL4	2	5892	0.442	8.72
1E10062-CAL5	4	13608	0.490	8.72
1E10062-CAL6	10	32704	0.486	8.72
1E10062-CAL7	20	66886	0.472	8.72
1E10062-CAL8	40	132575	0.466	8.71
1E10062-CAL9	100	357711	0.490	8.71
1E10062-CALA	200	718020	0.502	8.71
1E10062-CALB	400	1400054	0.489	8.71

AVE RF **0.471** RF RSD **6.85** AVE RT **8.72**

Tetrachloroethene (PCE)

Curve Fit: **AVERAGE RF**

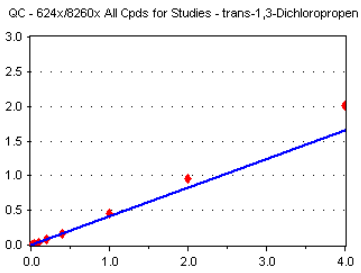


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~169~~	~~0.246~~	~~8.72~~
1E10062-CAL2	0.2	483	0.364	8.72
1E10062-CAL3	0.4	861	0.319	8.72
1E10062-CAL4	1	2233	0.335	8.72
1E10062-CAL5	2	4768	0.344	8.72
1E10062-CAL6	5	11714	0.348	8.72
1E10062-CAL7	10	23082	0.325	8.72
1E10062-CAL8	20	45987	0.324	8.72
1E10062-CAL9	50	127597	0.349	8.72
1E10062-CALA	100	249574	0.349	8.72
1E10062-CALB	200	532909	0.372	8.72

AVE RF **0.343** RF RSD **5.08** AVE RT **8.72**

trans-1,3-Dichloropropene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~153~~	~~0.115~~	~~8.77~~
~~1E10062-CAL3~~	~~0.4~~	~~753~~	~~0.279~~	~~8.77~~
1E10062-CAL4	1	2181	0.327	8.77
1E10062-CAL5	2	4959	0.357	8.76
1E10062-CAL6	5	13314	0.395	8.76
1E10062-CAL7	10	27931	0.394	8.76
1E10062-CAL8	20	57313	0.403	8.76
1E10062-CAL9	50	167984	0.460	8.75
1E10062-CALA	100	342038	0.479	8.76
1E10062-CALB	200	716765	0.501	8.75

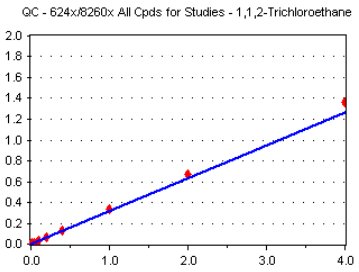
AVE RF **0.415** RF RSD **14.54** AVE RT **8.76**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,1,2-Trichloroethane

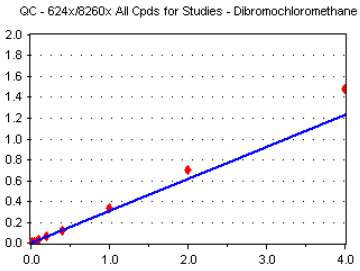


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	350	0.264	8.93
1E10062-CAL3	0.4	743	0.275	8.94
1E10062-CAL4	1	2006	0.301	8.94
1E10062-CAL5	2	4737	0.341	8.93
1E10062-CAL6	5	11623	0.345	8.93
1E10062-CAL7	10	23018	0.325	8.93
1E10062-CAL8	20	44506	0.313	8.93
1E10062-CAL9	50	121330	0.332	8.93
1E10062-CALA	100	239487	0.335	8.93
1E10062-CALB	200	487675	0.341	8.93

AVE RF **0.317** RF RSD **9.06** AVE RT **8.93**

Dibromochloromethane

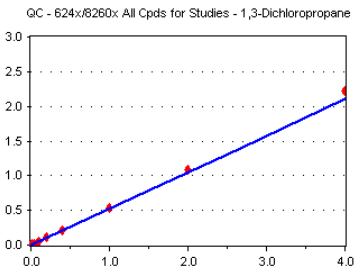


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~204~~	~~0.154~~	~~9.12~~
1E10062-CAL3	0.4	604	0.224	9.12
1E10062-CAL4	1	1898	0.285	9.11
1E10062-CAL5	2	4214	0.304	9.12
1E10062-CAL6	5	10147	0.301	9.12
1E10062-CAL7	10	21189	0.299	9.11
1E10062-CAL8	20	42538	0.299	9.11
1E10062-CAL9	50	123107	0.337	9.11
1E10062-CALA	100	252746	0.354	9.11
1E10062-CALB	200	530756	0.371	9.11

AVE RF **0.308** RF RSD **13.94** AVE RT **9.12**

1,3-Dichloropropane

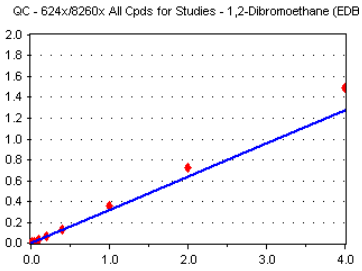


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~121~~	~~0.176~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~627~~	~~0.472~~	~~9.22~~
1E10062-CAL3	0.4	1232	0.456	9.22
1E10062-CAL4	1	3383	0.508	9.22
1E10062-CAL5	2	7369	0.531	9.22
1E10062-CAL6	5	18464	0.548	9.22
1E10062-CAL7	10	37536	0.529	9.22
1E10062-CAL8	20	73583	0.518	9.22
1E10062-CAL9	50	196625	0.538	9.21
1E10062-CALA	100	390295	0.546	9.21
1E10062-CALB	200	792021	0.554	9.22

AVE RF **0.525** RF RSD **5.67** AVE RT **9.22**

1,2-Dibromoethane (EDB)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	281	0.212	9.36
1E10062-CAL3	0.4	752	0.279	9.36
1E10062-CAL4	1	1935	0.290	9.36
1E10062-CAL5	2	4513	0.325	9.36
1E10062-CAL6	5	11197	0.333	9.35
1E10062-CAL7	10	23654	0.334	9.35
1E10062-CAL8	20	46488	0.327	9.35
1E10062-CAL9	50	128683	0.352	9.35
1E10062-CALA	100	258247	0.361	9.35
1E10062-CALB	200	534384	0.374	9.35

AVE RF **0.319** RF RSD **14.92** AVE RT **9.35**

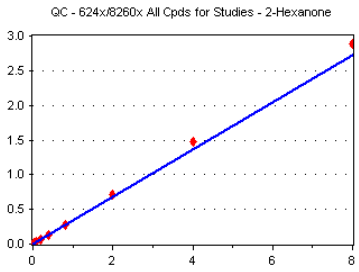
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

2-Hexanone

Curve Fit: **AVERAGE RF**

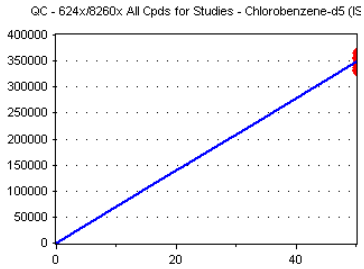


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.2~~	~~358~~	~~0.261~~	~~9.59~~
~~1E10062-CAL2~~	~~0.4~~	~~519~~	~~0.195~~	~~9.59~~
~~1E10062-CAL3~~	~~0.8~~	~~1459~~	~~0.270~~	~~9.59~~
1E10062-CAL4	2	3884	0.291	9.59
1E10062-CAL5	4	9112	0.328	9.59
1E10062-CAL6	10	22815	0.339	9.58
1E10062-CAL7	20	47937	0.338	9.58
1E10062-CAL8	40	97089	0.342	9.58
1E10062-CAL9	100	262485	0.359	9.58
1E10062-CALA	200	529649	0.371	9.58
1E10062-CALB	400	1033964	0.361	9.58

AVE RF **0.341** RF RSD **7.23** AVE RT **9.58**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

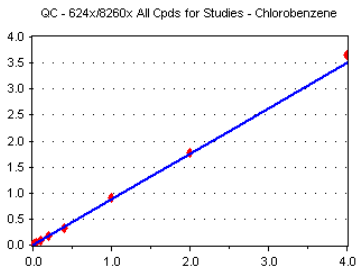


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	342910	6858.200	9.84
1E10062-CAL2	50	331847	6636.940	9.84
1E10062-CAL3	50	337437	6748.740	9.84
1E10062-CAL4	50	333123	6662.460	9.84
1E10062-CAL5	50	346809	6936.180	9.84
1E10062-CAL6	50	336719	6734.380	9.84
1E10062-CAL7	50	354621	7092.420	9.84
1E10062-CAL8	50	355336	7106.720	9.84
1E10062-CAL9	50	365248	7304.960	9.84
1E10062-CALA	50	357235	7144.700	9.84
1E10062-CALB	50	357676	7153.520	9.84

AVE RF **6943.565** RF RSD **3.30** AVE RT **9.84**

Chlorobenzene

Curve Fit: **AVERAGE RF**

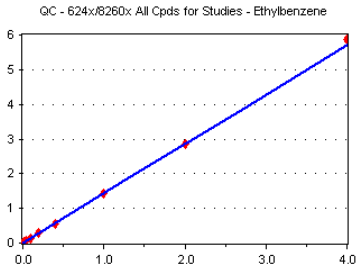


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~517~~	~~0.754~~	~~9.86~~
1E10062-CAL2	0.2	1100	0.829	9.86
1E10062-CAL3	0.4	2204	0.816	9.86
1E10062-CAL4	1	5746	0.862	9.86
1E10062-CAL5	2	12814	0.924	9.86
1E10062-CAL6	5	30653	0.910	9.86
1E10062-CAL7	10	61345	0.865	9.86
1E10062-CAL8	20	118417	0.833	9.86
1E10062-CAL9	50	327923	0.898	9.86
1E10062-CALA	100	634158	0.888	9.86
1E10062-CALB	200	1306190	0.913	9.86

AVE RF **0.874** RF RSD **4.40** AVE RT **9.86**

Ethylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	966	1.409	9.89
1E10062-CAL2	0.2	1937	1.459	9.89
1E10062-CAL3	0.4	3697	1.370	9.89
1E10062-CAL4	1	9585	1.439	9.89
1E10062-CAL5	2	20705	1.493	9.89
1E10062-CAL6	5	48905	1.452	9.89
1E10062-CAL7	10	98706	1.392	9.89
1E10062-CAL8	20	193579	1.362	9.88
1E10062-CAL9	50	525859	1.440	9.88
1E10062-CALA	100	1024091	1.433	9.88
1E10062-CALB	200	2104006	1.471	9.88

AVE RF **1.429** RF RSD **2.91** AVE RT **9.88**

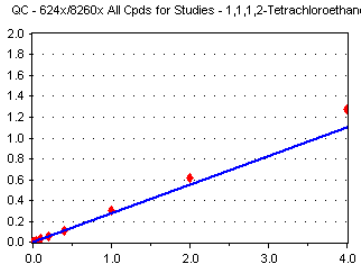
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,1,1,2-Tetrachloroethane

Curve Fit: **AVERAGE RF**

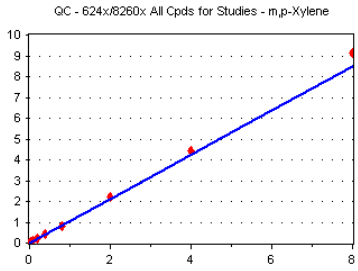


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	293	0.221	9.92
1E10062-CAL3	0.4	608	0.225	9.93
1E10062-CAL4	1	1783	0.268	9.92
1E10062-CAL5	2	4047	0.292	9.92
1E10062-CAL6	5	9467	0.281	9.92
1E10062-CAL7	10	19651	0.277	9.92
1E10062-CAL8	20	38387	0.270	9.92
1E10062-CAL9	50	110086	0.301	9.92
1E10062-CALA	100	219931	0.308	9.92
1E10062-CALB	200	457944	0.320	9.92

AVE RF **0.276** RF RSD **11.83** AVE RT **9.92**

m,p-Xylene

Curve Fit: **AVERAGE RF**

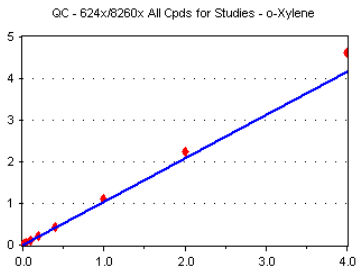


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.2	1488	1.085	10.03
1E10062-CAL2	0.4	2898	1.092	10.02
1E10062-CAL3	0.8	5077	0.940	10.02
1E10062-CAL4	2	13234	0.993	10.02
1E10062-CAL5	4	28579	1.030	10.02
1E10062-CAL6	10	73050	1.085	10.02
1E10062-CAL7	20	148972	1.050	10.02
1E10062-CAL8	40	296089	1.042	10.02
1E10062-CAL9	100	805599	1.103	10.02
1E10062-CALA	200	1585556	1.110	10.02
1E10062-CALB	400	3272906	1.144	10.02

AVE RF **1.061** RF RSD **5.47** AVE RT **10.02**

o-Xylene

Curve Fit: **AVERAGE RF**

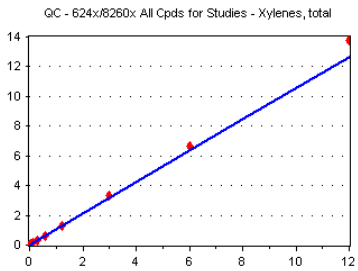


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	593	0.865	10.41
1E10062-CAL2	0.2	1348	1.016	10.41
1E10062-CAL3	0.4	2565	0.950	10.40
1E10062-CAL4	1	6786	1.019	10.40
1E10062-CAL5	2	14596	1.052	10.40
1E10062-CAL6	5	35996	1.069	10.40
1E10062-CAL7	10	74748	1.054	10.40
1E10062-CAL8	20	149845	1.054	10.40
1E10062-CAL9	50	408383	1.118	10.40
1E10062-CALA	100	803231	1.124	10.40
1E10062-CALB	200	1648222	1.152	10.40

AVE RF **1.043** RF RSD **7.84** AVE RT **10.40**

Xylenes, total

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.3	2081	1.011	10.41
1E10062-CAL2	0.6	4246	1.066	10.41
1E10062-CAL3	1.2	7642	0.944	10.40
1E10062-CAL4	3	20020	1.002	10.40
1E10062-CAL5	6	43175	1.037	10.40
1E10062-CAL6	15	109046	1.079	10.40
1E10062-CAL7	30	223720	1.051	10.40
1E10062-CAL8	60	445934	1.046	10.40
1E10062-CAL9	150	1213982	1.108	10.40
1E10062-CALA	300	2388787	1.114	10.40
1E10062-CALB	600	4921128	1.147	10.40

AVE RF **1.055** RF RSD **5.44** AVE RT **10.40**

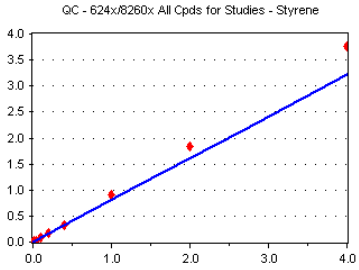
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Styrene

Curve Fit: **AVERAGE RF**

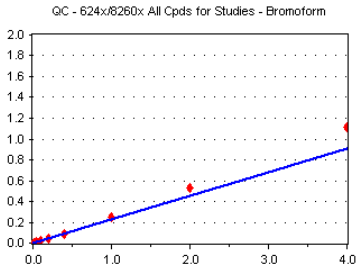


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~280~~	~~0.408~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~775~~	~~0.584~~	~~10.46~~
1E10062-CAL3	0.4	1592	0.590	10.46
1E10062-CAL4	1	4424	0.664	10.45
1E10062-CAL5	2	10289	0.742	10.45
1E10062-CAL6	5	27354	0.812	10.45
1E10062-CAL7	10	58419	0.824	10.45
1E10062-CAL8	20	118462	0.833	10.45
1E10062-CAL9	50	331015	0.906	10.45
1E10062-CALA	100	659451	0.923	10.45
1E10062-CALB	200	1345507	0.940	10.45

AVE RF **0.804** RF RSD **14.85** AVE RT **10.45**

Bromoform

Curve Fit: **AVERAGE RF**

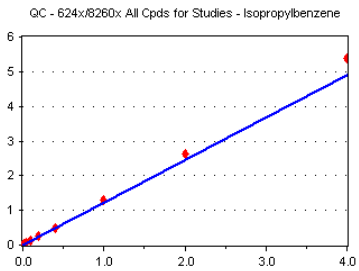


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~115~~	~~8.664~~	~~10.48~~
~~1E10062-CAL3~~	~~0.4~~	~~411~~	~~0.152~~	~~10.48~~
1E10062-CAL4	1	1256	0.189	10.48
1E10062-CAL5	2	2873	0.207	10.48
1E10062-CAL6	5	6875	0.204	10.48
1E10062-CAL7	10	14785	0.208	10.48
1E10062-CAL8	20	30996	0.218	10.48
1E10062-CAL9	50	91876	0.252	10.48
1E10062-CALA	100	190713	0.267	10.48
1E10062-CALB	200	396360	0.277	10.48

AVE RF **0.228** RF RSD **14.39** AVE RT **10.48**

Isopropylbenzene

Curve Fit: **AVERAGE RF**

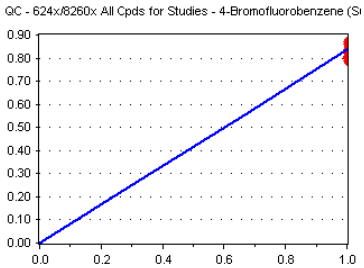


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	775	1.130	10.67
1E10062-CAL2	0.2	1588	1.196	10.67
1E10062-CAL3	0.4	2917	1.081	10.67
1E10062-CAL4	1	7579	1.138	10.67
1E10062-CAL5	2	16893	1.218	10.67
1E10062-CAL6	5	42763	1.270	10.67
1E10062-CAL7	10	88770	1.252	10.67
1E10062-CAL8	20	176689	1.243	10.67
1E10062-CAL9	50	478351	1.310	10.66
1E10062-CALA	100	937017	1.311	10.66
1E10062-CALB	200	1919993	1.342	10.66

AVE RF **1.226** RF RSD **6.81** AVE RT **10.67**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	132034	0.872	10.91
1E10062-CAL2	50	125133	0.872	10.91
1E10062-CAL3	50	129290	0.871	10.91
1E10062-CAL4	50	125913	0.860	10.91
1E10062-CAL5	50	132591	0.860	10.91
1E10062-CAL6	50	131922	0.838	10.91
1E10062-CAL7	50	141803	0.824	10.91
1E10062-CAL8	50	143835	0.803	10.91
1E10062-CAL9	50	146860	0.807	10.91
1E10062-CALA	50	141270	0.796	10.91
1E10062-CALB	50	138733	0.787	10.91

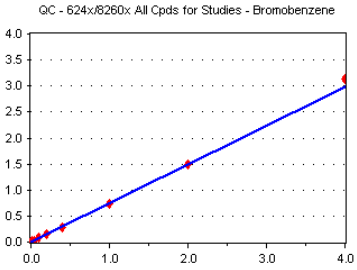
AVE RF **0.835** RF RSD **3.96** AVE RT **10.91**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Bromobenzene

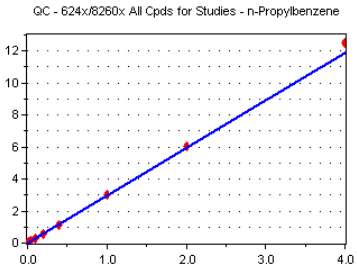


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	411	0.716	10.99
1E10062-CAL3	0.4	808	0.680	11.00
1E10062-CAL4	1	2319	0.792	11.00
1E10062-CAL5	2	4936	0.800	11.00
1E10062-CAL6	5	12125	0.770	11.00
1E10062-CAL7	10	24854	0.723	11.00
1E10062-CAL8	20	49648	0.693	10.99
1E10062-CAL9	50	135066	0.742	10.99
1E10062-CALA	100	266310	0.750	11.00
1E10062-CALB	200	551604	0.783	10.99

AVE RF **0.745** RF RSD **5.57** AVE RT **11.00**

n-Propylbenzene

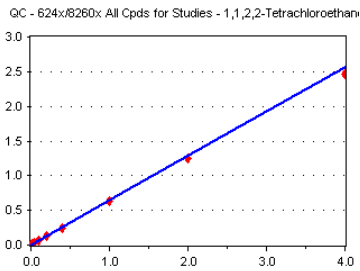


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~825~~	~~2.725~~	~~11.02~~
1E10062-CAL2	0.2	1765	3.074	11.02
1E10062-CAL3	0.4	3292	2.772	11.02
1E10062-CAL4	1	8551	2.919	11.02
1E10062-CAL5	2	18987	3.077	11.01
1E10062-CAL6	5	47323	3.005	11.01
1E10062-CAL7	10	101055	2.938	11.01
1E10062-CAL8	20	202407	2.826	11.01
1E10062-CAL9	50	548138	3.013	11.01
1E10062-CALA	100	1072810	3.021	11.01
1E10062-CALB	200	2198527	3.119	11.01

AVE RF **2.976** RF RSD **3.77** AVE RT **11.01**

1,1,2,2-Tetrachloroethane

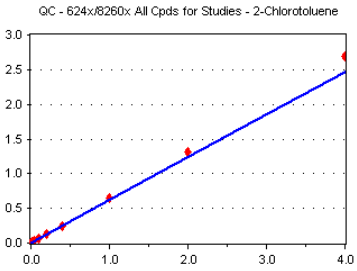


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL2	0.2	358	0.624	11.08
1E10062-CAL3	0.4	704	0.593	11.08
1E10062-CAL4	1	2009	0.686	11.08
1E10062-CAL5	2	4545	0.737	11.08
1E10062-CAL6	5	10678	0.678	11.08
1E10062-CAL7	10	21686	0.630	11.08
1E10062-CAL8	20	43036	0.601	11.08
1E10062-CAL9	50	114880	0.631	11.08
1E10062-CALA	100	221012	0.622	11.08
1E10062-CALB	200	433602	0.615	11.08

AVE RF **0.642** RF RSD **6.96** AVE RT **11.08**

2-Chlorotoluene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~118~~	~~0.390~~	~~11.15~~
1E10062-CAL2	0.2	310	0.540	11.14
1E10062-CAL3	0.4	590	0.497	11.14
1E10062-CAL4	1	1711	0.584	11.15
1E10062-CAL5	2	4238	0.687	11.15
1E10062-CAL6	5	10331	0.656	11.14
1E10062-CAL7	10	21787	0.633	11.15
1E10062-CAL8	20	43462	0.607	11.15
1E10062-CAL9	50	117010	0.643	11.14
1E10062-CALA	100	232199	0.654	11.15
1E10062-CALB	200	475153	0.674	11.15

AVE RF **0.618** RF RSD **9.89** AVE RT **11.14**

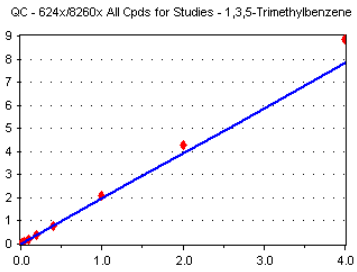
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,3,5-Trimethylbenzene

Curve Fit: **AVERAGE RF**

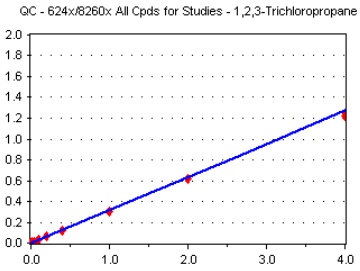


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~410~~	~~1.354~~	~~11.17~~
1E10062-CAL2	0.2	1026	1.787	11.17
1E10062-CAL3	0.4	1978	1.666	11.17
1E10062-CAL4	1	5378	1.836	11.17
1E10062-CAL5	2	12383	2.007	11.17
1E10062-CAL6	5	31129	1.977	11.17
1E10062-CAL7	10	67038	1.949	11.17
1E10062-CAL8	20	138473	1.934	11.17
1E10062-CAL9	50	378675	2.081	11.17
1E10062-CALA	100	756097	2.129	11.17
1E10062-CALB	200	1557551	2.210	11.17

AVE RF **1.957** RF RSD **8.36** AVE RT **11.17**

1,2,3-Trichloropropane

Curve Fit: **AVERAGE RF**

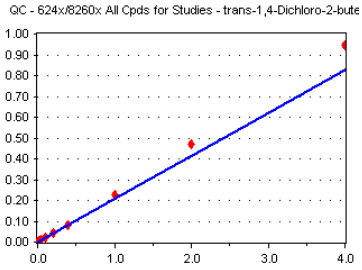


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~232~~	~~0.195~~	~~11.19~~
1E10062-CAL4	1	1019	0.348	11.19
1E10062-CAL5	2	2236	0.362	11.19
1E10062-CAL6	5	5068	0.322	11.19
1E10062-CAL7	10	10643	0.309	11.19
1E10062-CAL8	20	20604	0.288	11.19
1E10062-CAL9	50	55415	0.305	11.19
1E10062-CALA	100	109031	0.307	11.19
1E10062-CALB	200	214555	0.304	11.19

AVE RF **0.318** RF RSD **7.84** AVE RT **11.19**

trans-1,4-Dichloro-2-butene

Curve Fit: **AVERAGE RF**

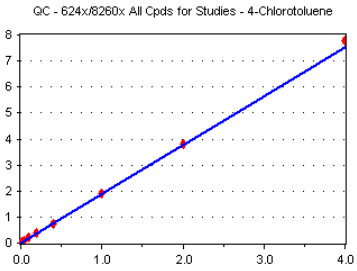


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL3	0.4	187	0.157	11.23
1E10062-CAL4	1	519	0.177	11.22
1E10062-CAL5	2	1336	0.217	11.22
1E10062-CAL6	5	3163	0.201	11.22
1E10062-CAL7	10	6985	0.203	11.22
1E10062-CAL8	20	14672	0.205	11.22
1E10062-CAL9	50	41043	0.226	11.22
1E10062-CALA	100	83281	0.235	11.22
1E10062-CALB	200	166825	0.237	11.22

AVE RF **0.206** RF RSD **12.68** AVE RT **11.22**

4-Chlorotoluene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~466~~	~~1.539~~	~~11.28~~
1E10062-CAL2	0.2	1149	2.001	11.28
1E10062-CAL3	0.4	1926	1.622	11.28
1E10062-CAL4	1	5359	1.829	11.28
1E10062-CAL5	2	12324	1.997	11.28
1E10062-CAL6	5	30697	1.949	11.28
1E10062-CAL7	10	63826	1.855	11.27
1E10062-CAL8	20	128791	1.798	11.27
1E10062-CAL9	50	345106	1.897	11.27
1E10062-CALA	100	679397	1.913	11.27
1E10062-CALB	200	1372027	1.946	11.27

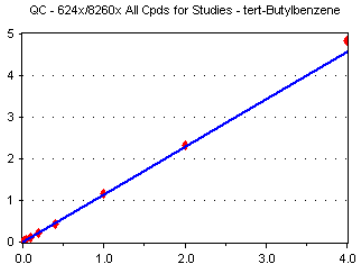
AVE RF **1.881** RF RSD **6.02** AVE RT **11.28**

Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

tert-Butylbenzene

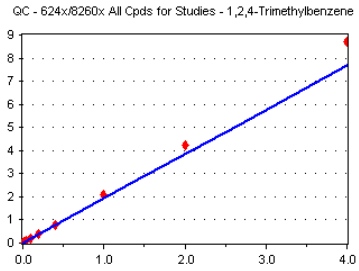


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~291~~	~~0.961~~	~~11.42~~
1E10062-CAL2	0.2	616	1.073	11.42
1E10062-CAL3	0.4	1278	1.076	11.42
1E10062-CAL4	1	3335	1.138	11.42
1E10062-CAL5	2	7419	1.202	11.42
1E10062-CAL6	5	18860	1.198	11.42
1E10062-CAL7	10	39054	1.135	11.42
1E10062-CAL8	20	79054	1.104	11.42
1E10062-CAL9	50	209321	1.151	11.42
1E10062-CALA	100	410975	1.157	11.42
1E10062-CALB	200	850619	1.207	11.42

AVE RF **1.144** RF RSD **4.30** AVE RT **11.42**

1,2,4-Trimethylbenzene

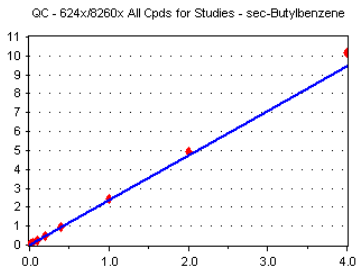


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~455~~	~~1.503~~	~~11.48~~
1E10062-CAL2	0.2	990	1.724	11.48
1E10062-CAL3	0.4	1907	1.606	11.48
1E10062-CAL4	1	5044	1.722	11.48
1E10062-CAL5	2	11940	1.935	11.48
1E10062-CAL6	5	30689	1.949	11.48
1E10062-CAL7	10	67691	1.968	11.47
1E10062-CAL8	20	139569	1.949	11.47
1E10062-CAL9	50	380178	2.090	11.47
1E10062-CALA	100	751719	2.117	11.47
1E10062-CALB	200	1535387	2.178	11.47

AVE RF **1.924** RF RSD **9.72** AVE RT **11.48**

sec-Butylbenzene

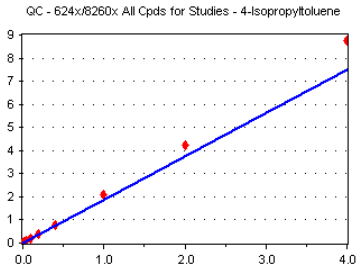


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~591~~	~~1.952~~	~~11.56~~
1E10062-CAL2	0.2	1284	2.236	11.56
1E10062-CAL3	0.4	2430	2.046	11.56
1E10062-CAL4	1	6447	2.201	11.56
1E10062-CAL5	2	14875	2.411	11.56
1E10062-CAL6	5	38176	2.424	11.56
1E10062-CAL7	10	82831	2.408	11.56
1E10062-CAL8	20	168646	2.355	11.56
1E10062-CAL9	50	447784	2.461	11.56
1E10062-CALA	100	881161	2.482	11.56
1E10062-CALB	200	1789664	2.539	11.56

AVE RF **2.356** RF RSD **6.41** AVE RT **11.56**

4-Isopropyltoluene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~453~~	~~1.496~~	~~11.67~~
1E10062-CAL2	0.2	919	1.601	11.67
1E10062-CAL3	0.4	1834	1.544	11.67
1E10062-CAL4	1	4736	1.617	11.67
1E10062-CAL5	2	11257	1.824	11.67
1E10062-CAL6	5	30083	1.910	11.67
1E10062-CAL7	10	66759	1.941	11.67
1E10062-CAL8	20	139820	1.952	11.66
1E10062-CAL9	50	377020	2.072	11.66
1E10062-CALA	100	750848	2.115	11.66
1E10062-CALB	200	1539950	2.185	11.66

AVE RF **1.876** RF RSD **12.02** AVE RT **11.67**

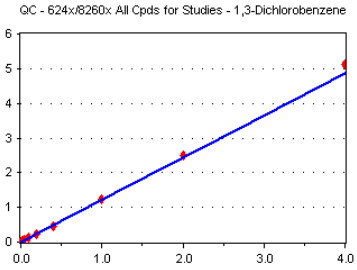
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,3-Dichlorobenzene

Curve Fit: **AVERAGE RF**

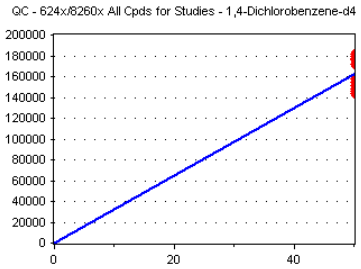


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~249~~	~~0.823~~	~~11.75~~
1E10062-CAL2	0.2	679	1.183	11.74
1E10062-CAL3	0.4	1322	1.113	11.74
1E10062-CAL4	1	3618	1.235	11.74
1E10062-CAL5	2	8024	1.300	11.74
1E10062-CAL6	5	19449	1.235	11.74
1E10062-CAL7	10	41415	1.204	11.74
1E10062-CAL8	20	82740	1.155	11.74
1E10062-CAL9	50	225351	1.239	11.74
1E10062-CALA	100	444081	1.251	11.74
1E10062-CALB	200	900815	1.278	11.74

AVE RF **1.219** RF RSD **4.64** AVE RT **11.74**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**

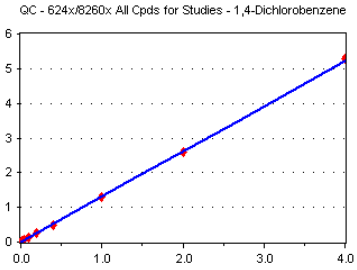


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	50	151363	3027.260	11.80
1E10062-CAL2	50	143542	2870.840	11.80
1E10062-CAL3	50	148444	2968.880	11.80
1E10062-CAL4	50	146472	2929.440	11.80
1E10062-CAL5	50	154260	3085.200	11.80
1E10062-CAL6	50	157477	3149.540	11.80
1E10062-CAL7	50	171995	3439.900	11.80
1E10062-CAL8	50	179037	3580.740	11.80
1E10062-CAL9	50	181935	3638.700	11.80
1E10062-CALA	50	177542	3550.840	11.80
1E10062-CALB	50	176223	3524.460	11.80

AVE RF **3251.436** RF RSD **9.10** AVE RT **11.80**

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**

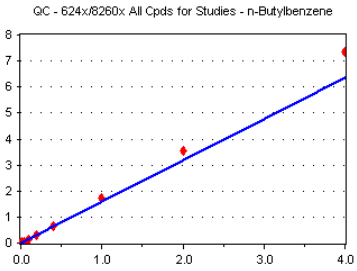


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	369	1.219	11.81
1E10062-CAL2	0.2	774	1.348	11.81
1E10062-CAL3	0.4	1548	1.304	11.80
1E10062-CAL4	1	4046	1.381	11.81
1E10062-CAL5	2	8923	1.446	11.80
1E10062-CAL6	5	20767	1.319	11.81
1E10062-CAL7	10	42851	1.246	11.80
1E10062-CAL8	20	86725	1.211	11.80
1E10062-CAL9	50	233540	1.284	11.80
1E10062-CALA	100	459762	1.295	11.80
1E10062-CALB	200	931492	1.321	11.80

AVE RF **1.307** RF RSD **5.32** AVE RT **11.80**

n-Butylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~257~~	~~0.849~~	~~11.99~~
~~1E10062-CAL2~~	~~0.2~~	~~703~~	~~1.224~~	~~11.99~~
~~1E10062-CAL3~~	~~0.4~~	~~1328~~	~~1.118~~	~~11.99~~
1E10062-CAL4	1	3651	1.246	11.98
1E10062-CAL5	2	8778	1.423	11.98
1E10062-CAL6	5	23436	1.488	11.98
1E10062-CAL7	10	53942	1.568	11.98
1E10062-CAL8	20	116066	1.621	11.98
1E10062-CAL9	50	311786	1.714	11.98
1E10062-CALA	100	630234	1.775	11.98
1E10062-CALB	200	1297476	1.841	11.98

AVE RF **1.584** RF RSD **12.40** AVE RT **11.98**

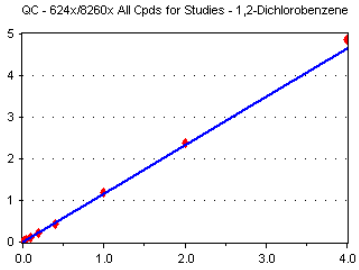
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds for** Instrument Cal ID: **VI210510W.M/VI210510G.M**

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

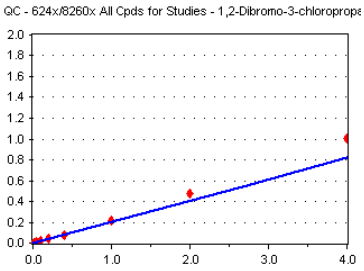


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~296~~	~~0.978~~	~~12.13~~
1E10062-CAL2	0.2	634	1.104	12.12
1E10062-CAL3	0.4	1237	1.042	12.12
1E10062-CAL4	1	3480	1.188	12.12
1E10062-CAL5	2	7907	1.281	12.12
1E10062-CAL6	5	18619	1.182	12.12
1E10062-CAL7	10	39285	1.142	12.12
1E10062-CAL8	20	79780	1.114	12.12
1E10062-CAL9	50	217324	1.195	12.12
1E10062-CALA	100	422551	1.190	12.12
1E10062-CALB	200	855406	1.214	12.12

AVE RF **1.165** RF RSD **5.74** AVE RT **12.12**

1,2-Dibromo-3-chloropropane

Curve Fit: **AVERAGE RF**

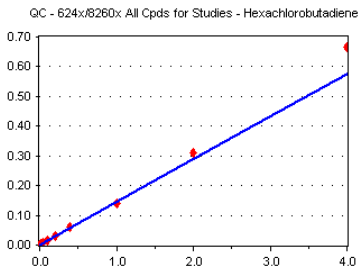


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL4	1	485	0.166	12.74
1E10062-CAL5	2	1203	0.195	12.73
1E10062-CAL6	5	2915	0.185	12.73
1E10062-CAL7	10	6603	0.192	12.73
1E10062-CAL8	20	13700	0.191	12.73
1E10062-CAL9	50	39966	0.220	12.73
1E10062-CALA	100	83981	0.237	12.73
1E10062-CALB	200	176271	0.250	12.73

AVE RF **0.204** RF RSD **13.90** AVE RT **12.73**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

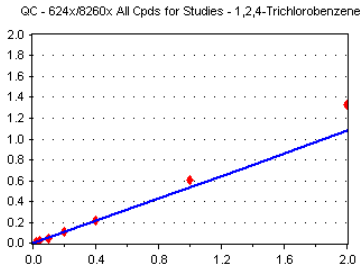


Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
1E10062-CAL4	1	322	0.110	13.24
1E10062-CAL5	2	895	0.145	13.23
1E10062-CAL6	5	2204	0.140	13.24
1E10062-CAL7	10	4984	0.145	13.24
1E10062-CAL8	20	10679	0.149	13.23
1E10062-CAL9	50	25675	0.141	13.23
1E10062-CALA	100	55337	0.156	13.24
1E10062-CALB	200	117534	0.167	13.23

AVE RF **0.144** RF RSD **11.35** AVE RT **13.23**

1,2,4-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~126~~	~~0.219~~	~~13.28~~
~~1E10062-CAL3~~	~~0.4~~	~~437~~	~~0.368~~	~~13.28~~
1E10062-CAL4	1	1302	0.444	13.28
1E10062-CAL5	2	3209	0.520	13.27
1E10062-CAL6	5	7538	0.479	13.27
1E10062-CAL7	10	17928	0.521	13.27
1E10062-CAL8	20	38178	0.533	13.27
1E10062-CAL9	50	109843	0.604	13.27
1E10062-CALA	100	235662	0.664	13.27
~~1E10062-CALB~~	~~200~~	~~517744~~	~~0.735~~	~~13.27~~

AVE RF **0.538** RF RSD **13.79** AVE RT **13.27**

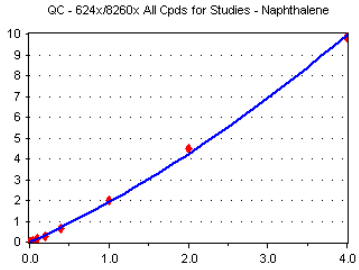
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Naphthalene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

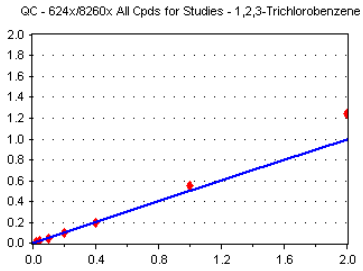


Standard	Concentration	Response	Response Factor	RT
1E10062-CAL1	0.1	143	0.472	13.57
1E10062-CAL2	0.2	552	0.961	13.56
1E10062-CAL3	0.4	1161	0.978	13.56
1E10062-CAL4	1	3696	1.262	13.55
1E10062-CAL5	2	8499	1.377	13.55
1E10062-CAL6	5	21677	1.377	13.55
1E10062-CAL7	10	51004	1.483	13.55
1E10062-CAL8	20	117263	1.637	13.55
1E10062-CAL9	50	359889	1.978	13.55
1E10062-CALA	100	796933	2.244	13.55
1E10062-CALB	200	1730164	2.455	13.55

AVE RF **1.475** RF RSD **39.60** AVE RT **13.56**

1,2,3-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1E10062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~1E10062-CAL2~~	~~0.2~~	~~184~~	~~0.320~~	~~13.71~~
~~1E10062-CAL3~~	~~0.4~~	~~376~~	~~0.317~~	~~13.72~~
1E10062-CAL4	1	1209	0.413	13.71
1E10062-CAL5	2	2969	0.481	13.72
1E10062-CAL6	5	7470	0.474	13.71
1E10062-CAL7	10	16354	0.475	13.71
1E10062-CAL8	20	34679	0.484	13.71
1E10062-CAL9	50	100588	0.553	13.71
1E10062-CALA	100	219851	0.619	13.71
~~1E10062-CALB~~	~~200~~	~~488459~~	~~0.693~~	~~13.71~~

AVE RF **0.500** RF RSD **13.29** AVE RT **13.71**

Compound List Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021
Response Via : Initial Calibration

05/11/21 TNL

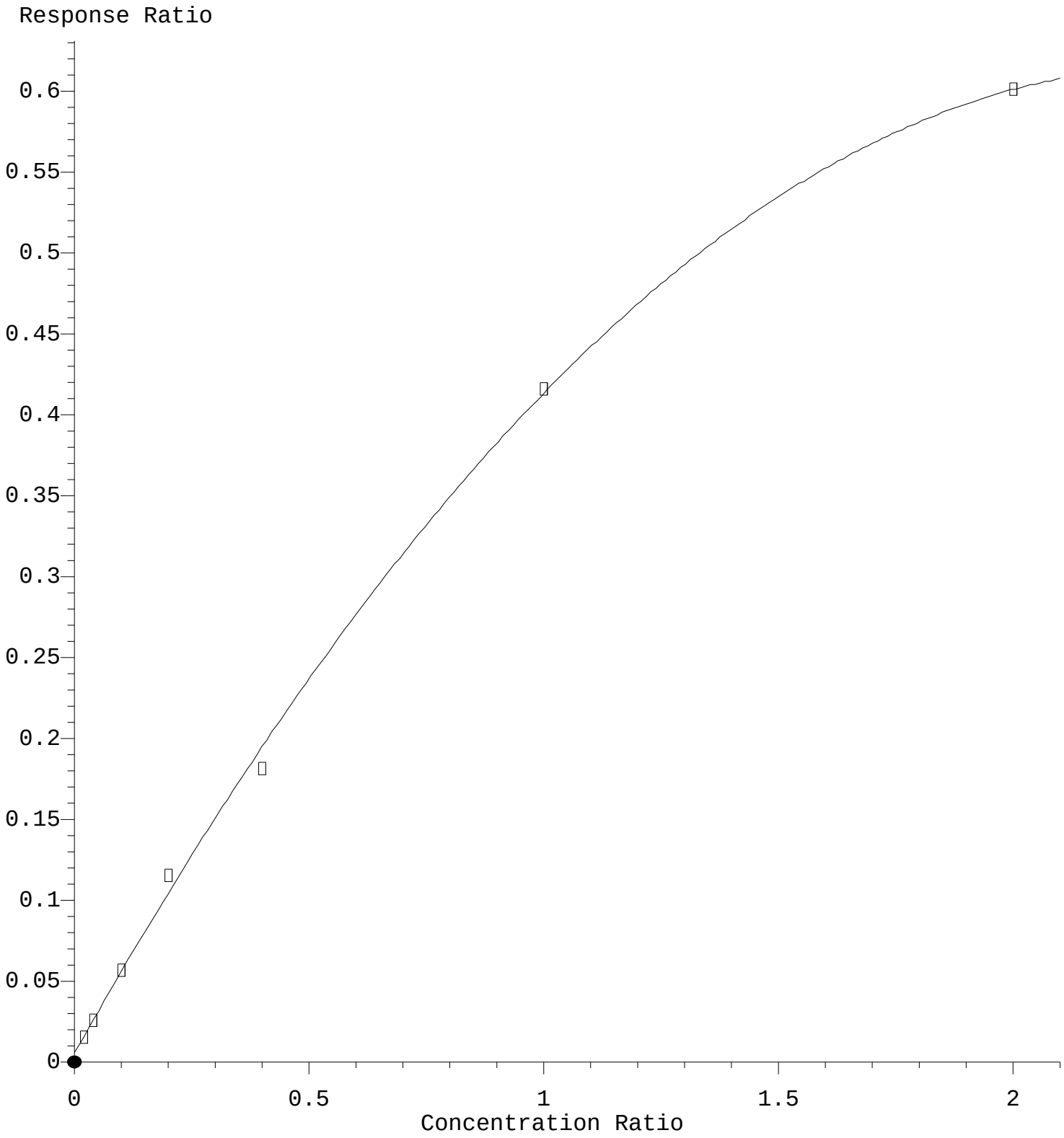
Total Cpnds : 88

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (I)	99	6.138	1.000	A	2	A	R
2		Dichlorodifluoromethane	85	1.648	0.268	A	2	A	R
3	P	Chloromethane	50	1.861	0.303	A	2	A	R
4	C	Vinyl Chloride	62	1.958	0.319	A	2	A	R
5		Bromomethane	96	2.323	0.378	A	2	A	R
6		Chloroethane	64	2.451	0.399	Q	2	A	R
7		Trichlorofluoromethane	101	2.621	0.427	A	2	A	R
8		Ethanol	45	3.163	0.515	A	1	A	R
9	C	1,1-Dichloroethene	61	3.181	0.518	A	2	A	R
10		Carbon Disulfide	76	3.199	0.521	A	2	A	R
11		Freon 113	101	3.229	0.526	A	2	A	R
12		Iodomethane	142	3.327	0.542	A	2	A	R
13		Acrolein	56	3.552	0.579	A	2	A	R
14		Methylene Chloride	84	3.807	0.620	A	2	A	R
15		Acetone	43	3.868	0.630	A	1	A	R
16		t-1,2-Dichloroethene	61	3.978	0.648	A	2	A	R
17		n-Hexane	86	4.057	0.661	A	3	A	R
18		Methyl-tert-butyl-ether	73	4.093	0.667	A	3	A	R
19		tert-Butanol (TBA)	59	4.209	0.686	A	1	A	R
20		Diisopropyl ether (DIPE)	45	4.489	0.731	A	2	A	B
21	P	1,1-Dichloroethane	63	4.610	0.751	A	2	A	R
22		Acrylonitrile	53	4.671	0.761	A	2	A	R
23		Ethyl-tert-butyl ether (ETBE)	59	4.860	0.792	A	2	A	B
24		Vinyl Acetate	43	4.879	0.795	A	2	A	R
25		c-1,2-Dichloroethene	61	5.171	0.842	A	2	A	R
26		2,2-Dichloropropane	77	5.274	0.859	A	2	A	R
27		Bromochloromethane	130	5.371	0.875	A	2	A	R
28	C	Chloroform	83	5.456	0.889	A	2	A	R
29		Carbon Tetrachloride	117	5.584	0.910	A	2	A	R
30		Tetrahydrofuran	42	5.620	0.916	A	2	A	R
31		1,1,1-Trichloroethane	97	5.657	0.922	A	2	A	R
32	S	Dibromofluoromethane (S)	111	5.639	0.919	A	2	A	R
33		1,1-Dichloropropene	75	5.785	0.942	A	2	A	R
34		2-Butanone (MEK)	43	5.772	0.940	A	2	A	R
35		Benzene	78	6.041	0.984	A	2	A	R
36		tert-Amyl methyl ether (TAME)	73	6.162	1.004	A	2	A	R
37		1,2-Dichloroethane (EDC)	62	6.260	1.020	A	2	A	R
38		iso-Butyl Alcohol	43	6.290	1.025	A	2	A	R
39	S	1,4-Difluorobenzene (S)	114	6.698	1.091	A	2	A	R
40		Trichloroethene (TCE)	130	6.661	1.085	A	2	A	R
41		Tert-Amyl-Ethyl-Ether (TAEE)	59	6.910	1.126	A	2	A	R
42		Dibromomethane	93	7.117	1.160	A	2	A	R
43	C	1,2-Dichloropropane	63	7.221	1.176	A	2	A	R
44		Bromodichloromethane	83	7.300	1.189	A	2	A	R
45	I	Chlorobenzene-d5 (I)	117	9.843	1.000	A	2	A	R
46		2-Chloroethyl Vinyl Ether	63	7.938	0.806	A	2	A	R
47		c-1,3-Dichloropropene	75	8.005	0.813	A	2	A	R
48	S	Toluene-d8 (S)	98	8.212	0.834	A	2	A	R
49	C	Toluene	91	8.267	0.840	A	2	A	R
50		Tetrachloroethene (PCE)	166	8.717	0.886	A	2	A	R
51		4-Methyl-2-Pentanone (MIBK)	43	8.711	0.885	A	2	A	R
52		t-1,3-Dichloropropene	75	8.759	0.890	A	2	A	R
53		1,1,2-Trichloroethane	97	8.930	0.907	A	2	A	R
54		Dibromochloromethane	129	9.112	0.926	A	2	A	R
55		1,3-Dichloropropane	76	9.216	0.936	A	2	A	R

56		1,2-Dibromoethane (EDB)	107	9.350	0.950	A	2	A	R
57		2-Hexanone	43	9.581	0.973	A	2	A	R
58	P	Chlorobenzene	112	9.861	1.002	A	2	A	R
59	C	Ethylbenzene	91	9.879	1.004	A	2	A	R
60		1,1,1,2-Tetrachloroethane	131	9.922	1.008	A	2	A	R
61		m,p-Xylenes (2)	91	10.019	1.018	A	2	A	R
62		o-Xylene	91	10.402	1.057	A	2	A	R
63		Styrene	104	10.445	1.061	A	2	A	R
64	P	Bromoform	173	10.475	1.064	A	2	A	R
65		Isopropylbenzene	105	10.670	1.084	A	2	A	R
66	I	1,4-Dichlorobenzene-d4 (I)	152	11.796	1.000	A	2	A	R
67	S	4-Bromofluorobenzene (S)	174	10.914	0.925	A	2	A	R
68		Bromobenzene	156	10.993	0.932	A	2	A	R
69		n-Propylbenzene	91	11.010	0.933	A	2	A	R
70	P	1,1,2,2-Tetrachloroethane	85	11.078	0.939	A	2	A	R
71		2-Chlorotoluene	126	11.144	0.945	A	2	A	R
72		1,3,5-Trimethylbenzene	105	11.169	0.947	A	2	A	R
73		1,2,3-Trichloropropane	110	11.187	0.948	A	2	A	R
74		t-1,4-Dichloro-2-butene	53	11.218	0.951	A	3	A	R
75		4-Chlorotoluene	91	11.272	0.956	A	2	A	R
76		tert-Butylbenzene	91	11.418	0.968	A	2	A	R
77		1,2,4-Trimethylbenzene	105	11.473	0.973	A	2	A	R
78		sec-Butylbenzene	105	11.558	0.980	A	2	A	R
79		4-Isopropyltoluene	119	11.661	0.989	A	2	A	R
80		1,3-Dichlorobenzene	146	11.734	0.995	A	2	A	R
81		1,4-Dichlorobenzene	146	11.802	1.001	A	2	A	R
82		n-Butylbenzene	91	11.984	1.016	A	2	A	R
83		1,2-Dichlorobenzene	146	12.124	1.028	A	2	A	R
84		1,2-Dibromo-3-Chloropropane	157	12.733	1.079	A	2	A	R
85		Hexachlorobutadiene	223	13.231	1.122	A	3	A	R
86		1,2,4-Trichlorobenzene	180	13.273	1.125	A	2	A	R
87		Naphthalene	128	13.554	1.149	Q	2	A	R
88		1,2,3-Trichlorobenzene	180	13.711	1.162	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

I210510W.M Tue May 11 14:31:45 2021



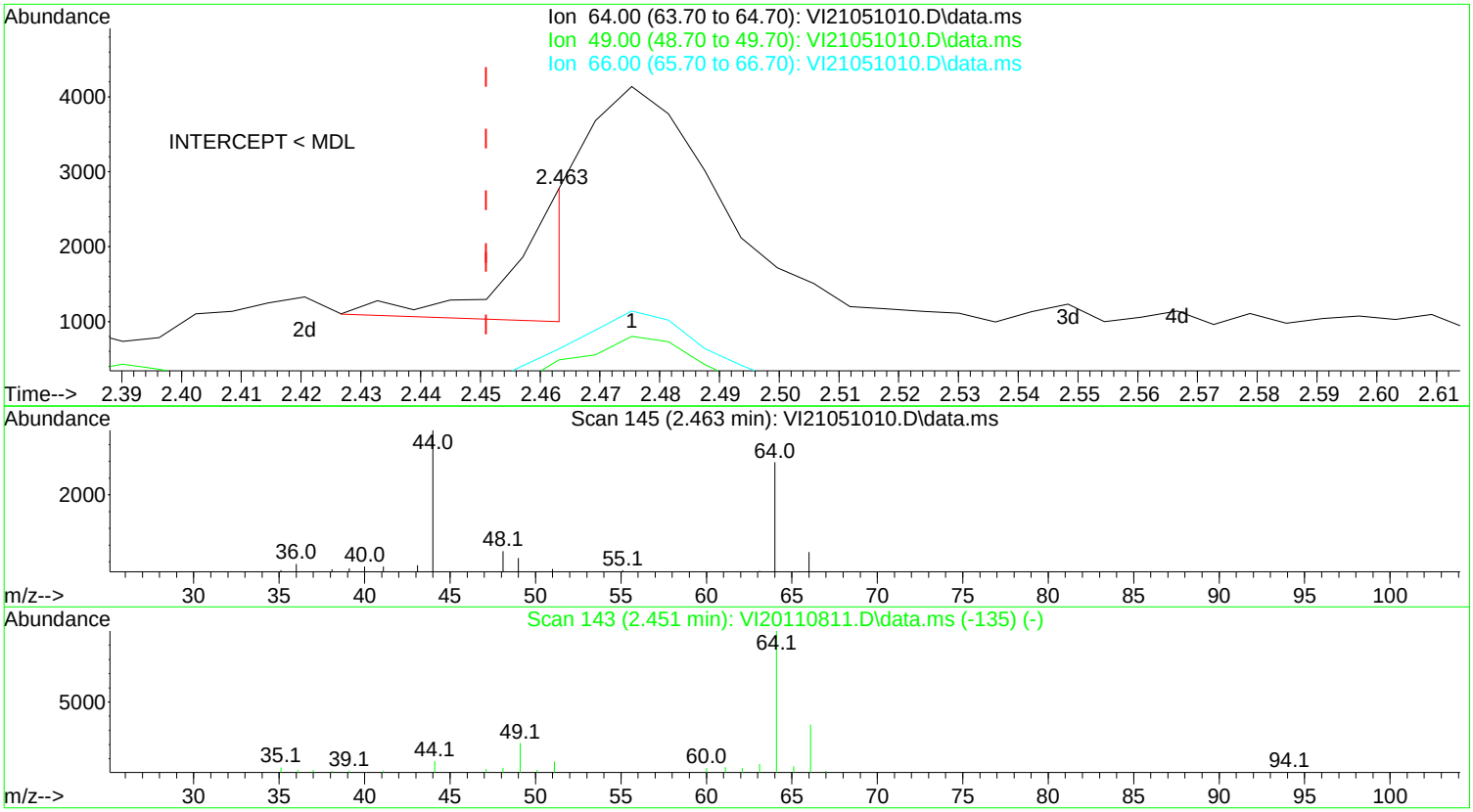
= -1.10e-001 A*A + 5.18e-001 A + 5.51e-003
oef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)
ethod Name: C:\msdchem\1\methods\VI210510W.M
alibration Table Last Updated: Tue May 11 13:58:03 2021

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\REQUANT\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:04:16 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



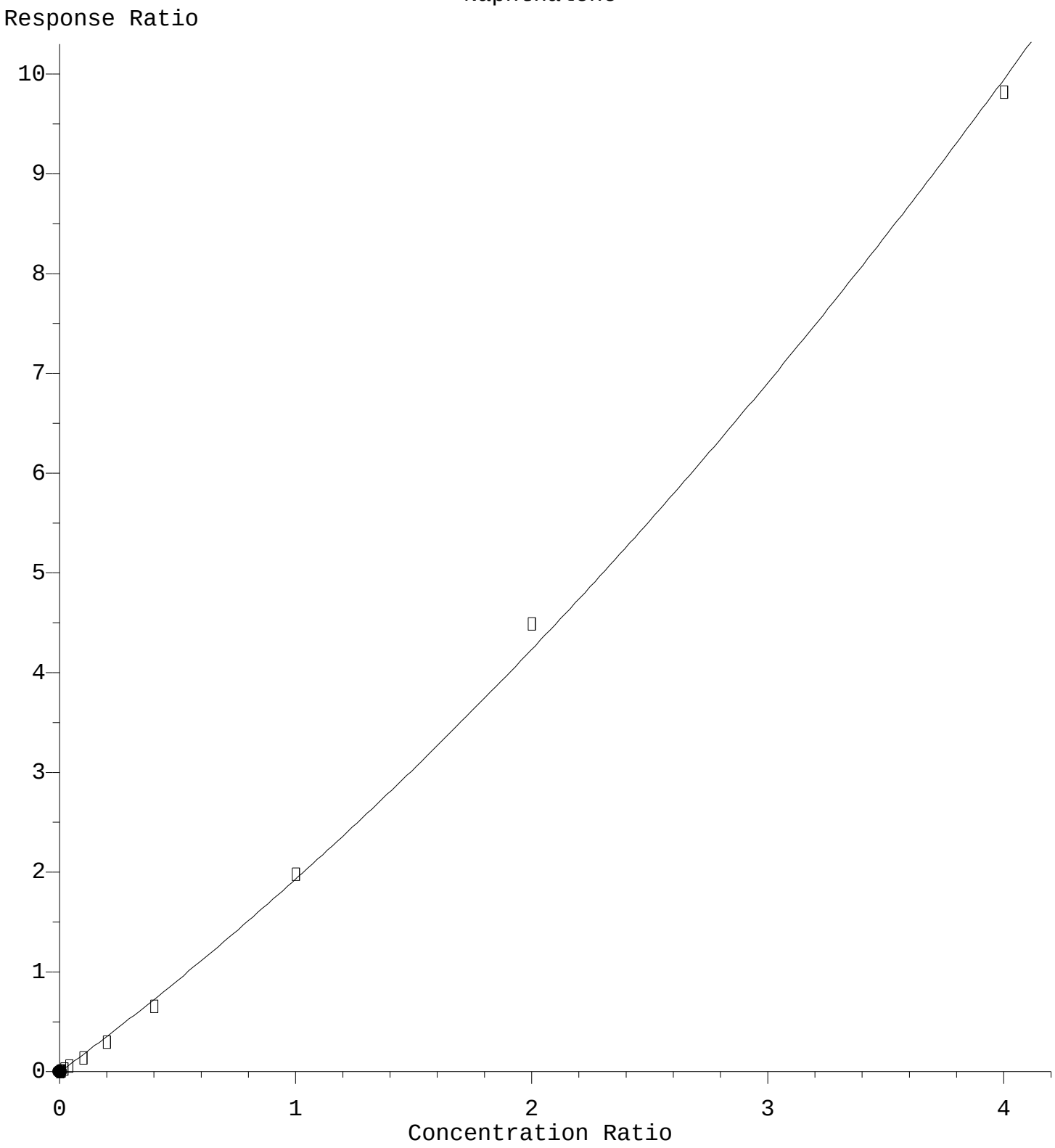
TIC: VI21051010.D\data.ms

(6) Chloroethane

2.463min (+ 0.012) 0.40 ug/L m

response 1228

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	17.53
66.00	38.90	22.86
0.00	0.00	0.00



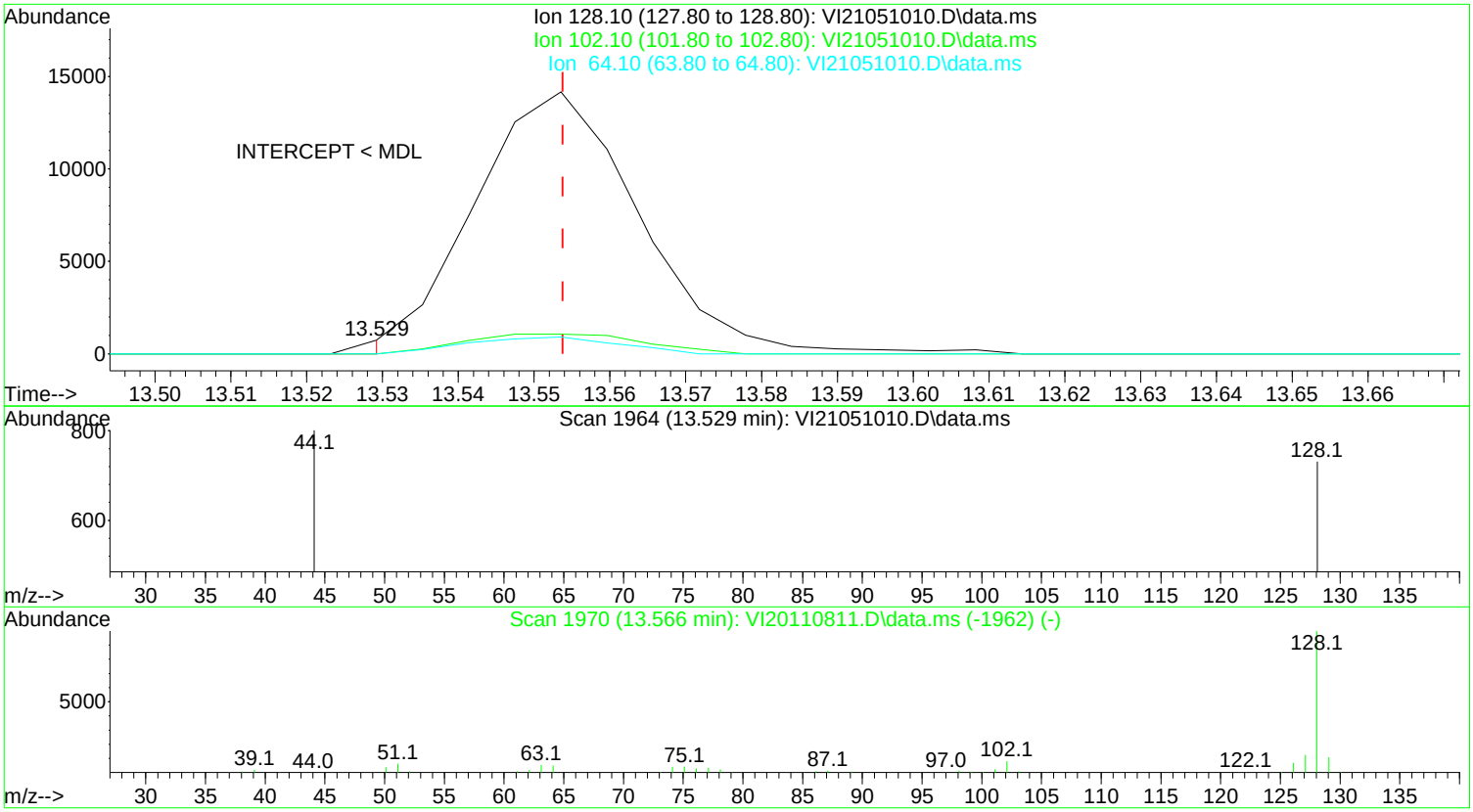
= 1.84e-001 A*A + 1.75e+000 A - 4.60e-003
oef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
ethod Name: C:\msdchem\1\methods\VI210510W.M
alibration Table Last Updated: Tue May 11 13:58:03 2021

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\REQUANT\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:04:16 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051010.D\data.ms

(87) Naphthalene

13.529min (-0.025) 0.18 ug/L m

response 267

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	7.60	0.00
64.10	4.70	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

05/11/21 TNL

SEQUENCE: 1E10062

Analysis Included

8260D Oxygenates
QC - 624x/8260x All Cpds for Studies

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
1E10062-TUN1	MS Tune	Water		A21B496	5/10/2021 4:08:00PM
1E10062-ICB1	Initial Cal Blank	Water		A21B496	5/10/2021 4:36:00PM
1E10062-CAL1	Cal Standard	Water	A21E090	"	5/10/2021 5:04:00PM
1E10062-CAL2	Cal Standard	Water	A21E091	"	5/10/2021 5:31:00PM
1E10062-CAL3	Cal Standard	Water	A21E092	"	5/10/2021 5:58:00PM
1E10062-CAL4	Cal Standard	Water	A21E093	"	5/10/2021 6:26:00PM
1E10062-CAL5	Cal Standard	Water	A21E094	"	5/10/2021 6:54:00PM
1E10062-CAL6	Cal Standard	Water	A21E095	"	5/10/2021 7:21:00PM
1E10062-CAL7	Cal Standard	Water	A21E096	"	5/10/2021 7:50:00PM
1E10062-CAL8	Cal Standard	Water	A21E097	"	5/10/2021 8:18:00PM
1E10062-CAL9	Cal Standard	Water	A21E098	"	5/10/2021 8:47:00PM
1E10062-CALA	Cal Standard	Water	A21E099	"	5/10/2021 9:44:00PM
1E10062-CALB	Cal Standard	Water	A21E100	"	5/10/2021 10:39:00PM
1E10062-ICV1	Initial Cal Check	Water	A21E101	"	5/11/2021 12:03:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1E1107** Instrument: **VOA-GCMS9**

8260D Oxygenates Sequence: **1E10062** Matrix: **Water**

1E10062-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1E10062-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E10062

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A1E1107** Instrument: **VOA-GCMS9**

QC - 624x/8260x All Cpds for Sequence: **1E10062** Matrix: **Water**

1E10062-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
Iodomethane	10	20.0	**27.48**	137	E-05

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

ICV : Initial Result vs Element Cal Result

Calibration: **A1E1107** Instrument: **VOA-GCMS9**

QC - 624x/8260x All Cpds for Sequence: **1E10062** Matrix: **Water**

1E10062-ICV1	Inst. MRL	ICV Level	I_Res	Cal_Res	Diff

Initial Results for any compounds listed above have Element Calculated Results that are different than the Instrument resutls, once recalculated.

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	102	0.00
2		Dichlorodifluoromethane	20.000	22.351	-11.8	118	0.00
3	P	Chloromethane	20.000	18.414	7.9	106	0.00
4	C	Vinyl Chloride	20.000	19.840	0.8	106	0.00
5		Bromomethane	20.000	18.594	7.0	110	0.00
6		Chloroethane	20.000	16.963	15.2	95	0.01
7		Trichlorofluoromethane	20.000	20.045	-0.2	108	0.00
8		Ethanol	1250.000	1274.880	-2.0	107	0.00
9	C	1,1-Dichloroethene	20.000	18.158	9.2	98	0.00
10		Carbon Disulfide	20.000	23.428	-17.1	131	0.00
11		Freon 113	20.000	17.988	10.1	96	0.00
12		Iodomethane	20.000	27.479	-37.4#	156	0.00
13		Acrolein	20.000	17.232	13.8	91	0.00
14		Methylene Chloride	20.000	19.116	4.4	103	0.00
15		Acetone	40.000	38.535	3.7	109	0.00
16		t-1,2-Dichloroethene	20.000	18.478	7.6	97	0.00
17		n-Hexane	20.000	18.498	7.5	98	0.00
18		Methyl-tert-butyl-ether	20.000	19.357	3.2	104	0.00
19		tert-Butanol (TBA)	1250.000	1469.599	-17.6	124	0.00
20		Diisopropyl ether (DIPE)	5.000	4.333	13.3	91	0.00
21	P	1,1-Dichloroethane	20.000	18.105	9.5	99	0.00
22		Acrylonitrile	20.000	19.862	0.7	103	0.00
23		Ethyl-tert-butyl ether (ET	5.000	4.518	9.6	94	0.00
24		Vinyl Acetate	20.000	17.687	11.6	94	0.00
25		c-1,2-Dichloroethene	20.000	19.301	3.5	100	0.00
26		2,2-Dichloropropane	20.000	17.029	14.9	92	0.00
27		Bromochloromethane	20.000	20.792	-4.0	106	0.00
28	C	Chloroform	20.000	18.905	5.5	101	0.00
29		Carbon Tetrachloride	20.000	18.376	8.1	96	0.00
30		Tetrahydrofuran	20.000	19.460	2.7	107	0.00
31		1,1,1-Trichloroethane	20.000	18.323	8.4	97	0.00
32	S	Dibromofluoromethane (S)	50.000	49.985	0.0	103	0.00

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
33		1,1-Dichloropropene	20.000	18.272	8.6	98	0.00
34		2-Butanone (MEK)	40.000	39.786	0.5	104	0.00
35		Benzene	20.000	17.676	11.6	100	0.00
36		tert-Amyl methyl ether (TA	5.000	4.469	10.6	96	0.00
37		1,2-Dichloroethane (EDC)	20.000	19.067	4.7	101	0.00
38		iso-Butyl Alcohol	500.000	517.390	-3.5	109	0.00
39	S	1,4-Difluorobenzene (S)	50.000	50.404	-0.8	104	0.00
40		Trichloroethene (TCE)	20.000	18.958	5.2	101	0.00
41		Tert-Amyl-Ethyl-Ether (TAEE	5.000	4.705	5.9	96	0.00
42		Dibromomethane	20.000	19.697	1.5	102	0.00
43	C	1,2-Dichloropropane	20.000	18.947	5.3	100	0.00
44		Bromodichloromethane	20.000	19.284	3.6	102	0.00
45		Chlorobenzene-d5 (I)	50.000	50.000	0.0	105	0.00
46		2-Chloroethyl Vinyl Ether	20.000	17.502	12.5	93	0.00
47		c-1,3-Dichloropropene	20.000	18.811	5.9	98	0.00
48	S	Toluene-d8 (S)	50.000	49.326	1.3	103	0.00
49	C	Toluene	20.000	17.941	10.3	101	0.00
50		Tetrachloroethene (PCE)	20.000	17.609	12.0	98	0.00
51		4-Methyl-2-Pentanone (MIBK)	40.000	38.807	3.0	102	0.00
52		t-1,3-Dichloropropene	20.000	18.256	8.7	98	0.00
53		1,1,2-Trichloroethane	20.000	19.652	1.7	104	0.00
54		Dibromochloromethane	20.000	19.755	1.2	106	0.00
55		1,3-Dichloropropane	20.000	19.124	4.4	102	0.00
56		1,2-Dibromoethane (EDB)	20.000	20.354	-1.8	104	0.00
57		2-Hexanone	40.000	39.246	1.9	103	0.00
58	P	Chlorobenzene	20.000	18.848	5.8	103	0.00
59	C	Ethylbenzene	20.000	17.981	10.1	99	0.00
60		1,1,1,2-Tetrachloroethane	20.000	19.866	0.7	106	0.00
61		m,p-Xylenes (2)	40.000	36.993	7.5	99	0.00
62		o-Xylene	20.000	19.334	3.3	100	0.00
63		Styrene	20.000	20.129	-0.6	102	0.00

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
64	P	Bromoform	20.000	19.435	2.8	106	0.00
65		Isopropylbenzene	20.000	19.006	5.0	98	0.00
66	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	103	0.00
67	S	4-Bromofluorobenzene (S)	50.000	48.872	2.3	105	0.00
68		Bromobenzene	20.000	18.645	6.8	103	0.00
69		n-Propylbenzene	20.000	17.866	10.7	97	0.00
70	P	1,1,2,2-Tetrachloroethane	20.000	19.174	4.1	106	0.00
71		2-Chlorotoluene	20.000	19.163	4.2	101	0.00
72		1,3,5-Trimethylbenzene	20.000	18.988	5.1	99	0.00
73		1,2,3-Trichloropropane	20.000	18.840	5.8	108	0.00
74		t-1,4-Dichloro-2-butene	20.000	16.631	16.8	86	0.00
75		4-Chlorotoluene	20.000	18.439	7.8	100	0.00
76		tert-Butylbenzene	20.000	18.060	9.7	97	0.00
77		1,2,4-Trimethylbenzene	20.000	19.238	3.8	98	0.00
78		sec-Butylbenzene	20.000	18.603	7.0	96	0.00
79		4-Isopropyltoluene	20.000	19.171	4.1	95	0.00
80		1,3-Dichlorobenzene	20.000	18.781	6.1	102	0.00
81		1,4-Dichlorobenzene	20.000	18.403	8.0	103	0.00
82		n-Butylbenzene	20.000	18.180	9.1	92	0.00
83		1,2-Dichlorobenzene	20.000	19.115	4.4	103	0.00
84		1,2-Dibromo-3-Chloropropane	20.000	20.152	-0.8	111	0.00
85		Hexachlorobutadiene	20.000	18.371	8.1	92	0.00
86		1,2,4-Trichlorobenzene	20.000	19.382	3.1	101	0.00
87		Naphthalene	20.000	18.134	9.3	103	0.00
88		1,2,3-Trichlorobenzene	20.000	19.673	1.6	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Calibration Status Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI210510G.M
Title : GCMS9: NWTPH-Gx by GC/MS
Last Update : Tue May 11 16:13:47 2021
Response Via : Initial Calibration

05/11/21 TNL

#	ID	Conc	ISTD Conc	Path\File
1	50	50	50	C:\msdchem\1\data\2021-05\1E10062\VI21051026.D
2	100	100	50	C:\msdchem\1\data\2021-05\1E10062\VI21051027.D
3	250	250	50	C:\msdchem\1\data\2021-05\1E10062\VI21051028.D
4	500	500	50	C:\msdchem\1\data\2021-05\1E10062\VI21051029.D
5	1000	1000	50	C:\msdchem\1\data\2021-05\1E10062\VI21051030.D
6	2500	2500	50	C:\msdchem\1\data\2021-05\1E10062\VI21051031.D
7	5000	5000	50	C:\msdchem\1\data\2021-05\1E10062\VI21051032.D
8	10K	10000	50	C:\msdchem\1\data\2021-05\1E10062\VI21051033.D

#	ID	Update Time	Quant Time	Acquisition Time
1	50	May 11 16:13 2021	May 11 14:15 2021	11 May 2021 2:48 am
2	100	May 11 16:13 2021	May 11 14:16 2021	11 May 2021 3:15 am
3	250	May 11 16:13 2021	May 11 14:19 2021	11 May 2021 3:42 am
4	500	May 11 16:13 2021	May 11 14:20 2021	11 May 2021 4:09 am
5	1000	May 11 16:13 2021	May 11 14:20 2021	11 May 2021 4:36 am
6	2500	May 11 16:13 2021	May 11 14:21 2021	11 May 2021 5:04 am
7	5000	May 11 16:13 2021	May 11 14:22 2021	11 May 2021 5:31 am
8	10K	May 11 16:13 2021	May 11 14:22 2021	11 May 2021 5:58 am

I210510G.M Tue May 11 16:16:31 2021

Method Path : C:\msdchem\1\methods\
Method File : VI210510G.M
Title : GCMS9: NWTPH-Gx by GC/MS
Last Update : Tue May 11 16:13:47 2021
Response Via : Initial Calibration

Calibration Files
50 =VI21051026.D 100 =VI21051027.D 250 =VI21051028.D 500 =VI21051029.D 1000=VI21051030.D
2500=VI21051031.D 5000=VI21051032.D 10K =VI21051033.D

		Compound	50	100	250	500	1000	2500	5000	10K	Avg	%RSD
1)	I	Pentafluorobenzene...	----------	ISTD	----------							
2)	S	1,4-Difluorobe...	1.604	1.596	1.597	1.596	1.593	1.590	1.598	1.588	1.595	0.32
3)	S	4-Bromofluorob...	0.511	0.512	0.522	0.525	0.539	0.544	0.559	0.559	0.534	3.60
4)	H	NWTPH-Gx (TPH)	0.574	1.039	1.145	1.195	1.348	1.494	1.542	1.588	1.241	26.96
5)	H	TPHg (C5-C9)	2.564	2.281	1.800	1.657	1.736	1.812	1.811	1.834	1.937	16.23
6)	H	TPHg (C6-C10)	2.245	1.965	1.550	1.422	1.470	1.531	1.545	1.587	1.664	17.22
7)	H	CA-LUFT (C5-C12)	2.898	2.548	2.058	1.920	2.038	2.164	2.185	2.215	2.253	14.16
8)		Benzene (NR)									0.000	-1.00
9)	S	Toluene-d8 (NR)									0.000	-1.00
10)		Toluene (NR)									0.000	-1.00
11)	S	Chlorobenzene-...									0.000	-1.00
12)	S	1,4-Dichlorobe...									0.000	-1.00
13)		Naphthalene (NR)									0.000	-1.00

(#) = Out of Range

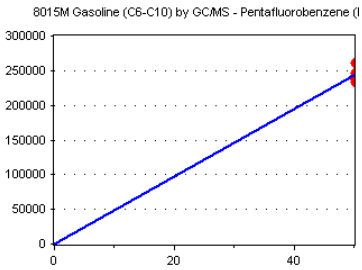
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **8015M Gasoline (C6-C10) by** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

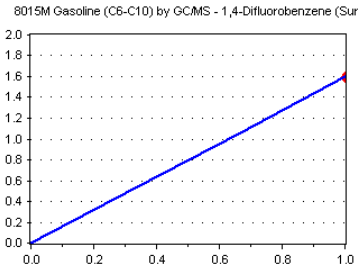


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	238037	4760.740	6.14
1E10062-CALD	50	234133	4682.660	6.14
1E10062-CALE	50	236461	4729.220	6.14
1E10062-CALF	50	246791	4935.820	6.14
1E10062-CALG	50	242539	4850.780	6.14
1E10062-CALH	50	246161	4923.220	6.14
1E10062-CALI	50	243930	4878.600	6.14
1E10062-CALJ	50	261101	5222.020	6.14

AVE RF **4872.883** RF RSD **3.45** AVE RT **6.14**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

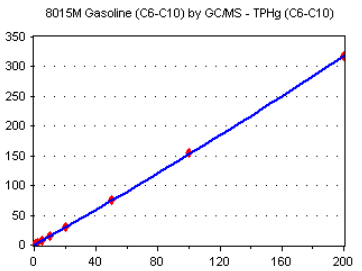


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	381853	1.604	6.70
1E10062-CALD	50	373744	1.596	6.70
1E10062-CALE	50	377591	1.597	6.70
1E10062-CALF	50	393830	1.596	6.70
1E10062-CALG	50	386313	1.593	6.70
1E10062-CALH	50	391491	1.590	6.70
1E10062-CALI	50	389743	1.598	6.70
1E10062-CALJ	50	414524	1.588	6.70

AVE RF **1.595** RF RSD **0.32** AVE RT **6.70**

TPHg (C6-C10)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

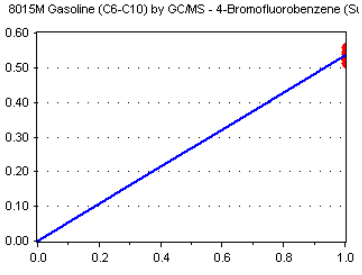


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	534301	2.245	9.89
1E10062-CALD	100	920246	1.965	9.89
1E10062-CALE	250	1832482	1.550	9.89
1E10062-CALF	500	3509662	1.422	9.89
1E10062-CALG	1000	7132094	1.470	9.89
1E10062-CALH	2500	1.883977E+07	1.531	9.89
1E10062-CALI	5000	3.768802E+07	1.545	9.89
1E10062-CALJ	10000	8.284821E+07	1.587	9.89

AVE RF **1.664** RF RSD **17.22** AVE RT **9.89**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	121659	0.511	10.91
1E10062-CALD	50	119989	0.512	10.91
1E10062-CALE	50	123433	0.522	10.91
1E10062-CALF	50	129643	0.525	10.91
1E10062-CALG	50	130840	0.539	10.91
1E10062-CALH	50	134015	0.544	10.91
1E10062-CALI	50	136447	0.559	10.91
1E10062-CALJ	50	145830	0.559	10.91

AVE RF **0.534** RF RSD **3.60** AVE RT **10.91**

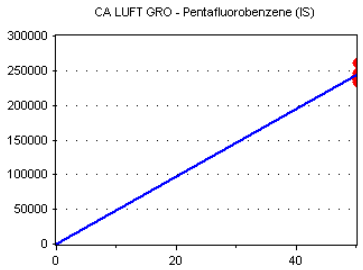
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **CA LUFT GRO** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

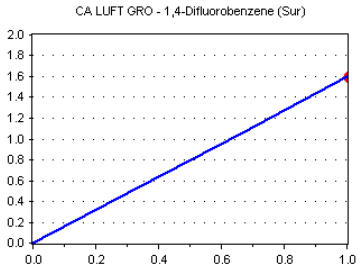


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	238037	4760.740	6.14
1E10062-CALD	50	234133	4682.660	6.14
1E10062-CALE	50	236461	4729.220	6.14
1E10062-CALF	50	246791	4935.820	6.14
1E10062-CALG	50	242539	4850.780	6.14
1E10062-CALH	50	246161	4923.220	6.14
1E10062-CALI	50	243930	4878.600	6.14
1E10062-CALJ	50	261101	5222.020	6.14

AVE RF **4872.883** RF RSD **3.45** AVE RT **6.14**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

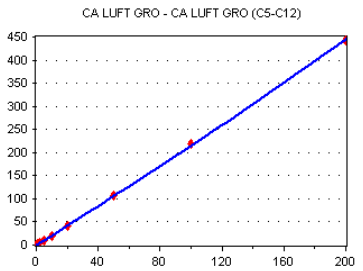


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	381853	1.604	6.70
1E10062-CALD	50	373744	1.596	6.70
1E10062-CALE	50	377591	1.597	6.70
1E10062-CALF	50	393830	1.596	6.70
1E10062-CALG	50	386313	1.593	6.70
1E10062-CALH	50	391491	1.590	6.70
1E10062-CALI	50	389743	1.598	6.70
1E10062-CALJ	50	414524	1.588	6.70

AVE RF **1.595** RF RSD **0.32** AVE RT **6.70**

CA LUFT GRO (C5-C12)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

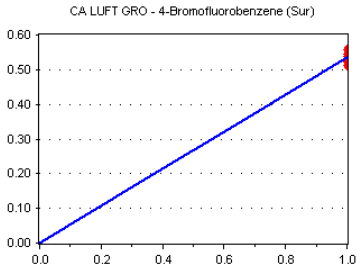


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	689888	2.898	9.89
1E10062-CALD	100	1193255	2.548	9.89
1E10062-CALE	250	2433523	2.058	9.89
1E10062-CALF	500	4737900	1.920	9.89
1E10062-CALG	1000	9885878	2.038	9.89
1E10062-CALH	2500	2.664061E+07	2.164	9.89
1E10062-CALI	5000	5.329308E+07	2.185	9.89
1E10062-CALJ	10000	1.156462E+08	2.215	9.89

AVE RF **2.253** RF RSD **14.16** AVE RT **9.89**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	121659	0.511	10.91
1E10062-CALD	50	119989	0.512	10.91
1E10062-CALE	50	123433	0.522	10.91
1E10062-CALF	50	129643	0.525	10.91
1E10062-CALG	50	130840	0.539	10.91
1E10062-CALH	50	134015	0.544	10.91
1E10062-CALI	50	136447	0.559	10.91
1E10062-CALJ	50	145830	0.559	10.91

AVE RF **0.534** RF RSD **3.60** AVE RT **10.91**

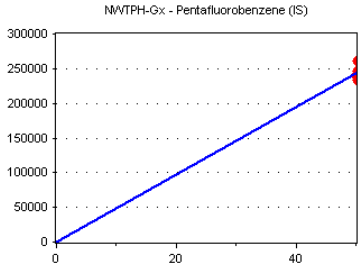
Element Calibration Review Sheet

Calibration ID: **A1E1107** Instrument: **VOA-GCMS9** Calibration Date: **05/11/2021**

Analysis: **NWTPH-Gx** Instrument Cal ID: **VI210510W.M/VI210510G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

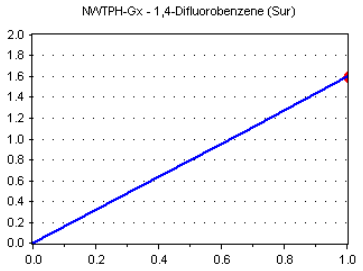


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	238037	4760.740	6.14
1E10062-CALD	50	234133	4682.660	6.14
1E10062-CALE	50	236461	4729.220	6.14
1E10062-CALF	50	246791	4935.820	6.14
1E10062-CALG	50	242539	4850.780	6.14
1E10062-CALH	50	246161	4923.220	6.14
1E10062-CALI	50	243930	4878.600	6.14
1E10062-CALJ	50	261101	5222.020	6.14

AVE RF **4872.883** RF RSD **3.45** AVE RT **6.14**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

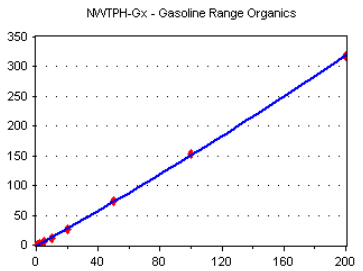


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	381853	1.604	6.70
1E10062-CALD	50	373744	1.596	6.70
1E10062-CALE	50	377591	1.597	6.70
1E10062-CALF	50	393830	1.596	6.70
1E10062-CALG	50	386313	1.593	6.70
1E10062-CALH	50	391491	1.590	6.70
1E10062-CALI	50	389743	1.598	6.70
1E10062-CALJ	50	414524	1.588	6.70

AVE RF **1.595** RF RSD **0.32** AVE RT **6.70**

Gasoline Range Organics

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

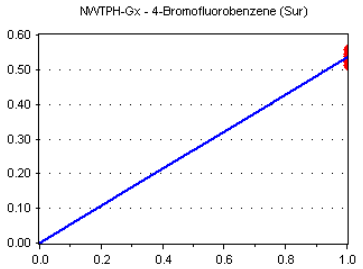


Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	136640	0.574	9.89
1E10062-CALD	100	486539	1.039	9.89
1E10062-CALE	250	1353670	1.145	9.89
1E10062-CALF	500	2950384	1.195	9.89
1E10062-CALG	1000	6537197	1.348	9.89
1E10062-CALH	2500	1.838334E+07	1.494	9.89
1E10062-CALI	5000	3.76067E+07	1.542	9.89
1E10062-CALJ	10000	8.292227E+07	1.588	9.89

AVE RF **1.241** RF RSD **26.96** AVE RT **9.89**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1E10062-CALC	50	121659	0.511	10.91
1E10062-CALD	50	119989	0.512	10.91
1E10062-CALE	50	123433	0.522	10.91
1E10062-CALF	50	129643	0.525	10.91
1E10062-CALG	50	130840	0.539	10.91
1E10062-CALH	50	134015	0.544	10.91
1E10062-CALI	50	136447	0.559	10.91
1E10062-CALJ	50	145830	0.559	10.91

AVE RF **0.534** RF RSD **3.60** AVE RT **10.91**

Compound List Report VOA-GCMS9

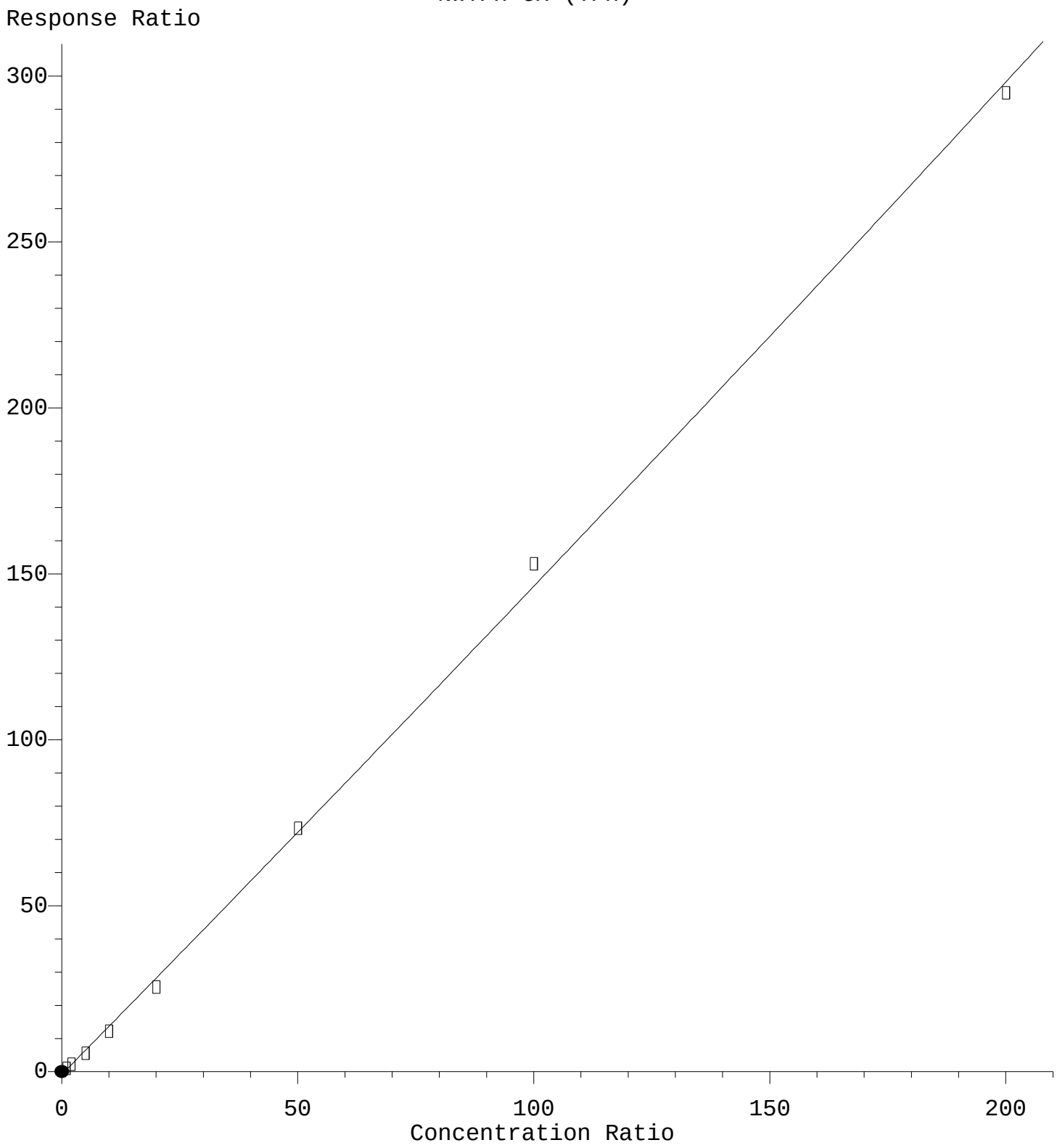
Method Path : C:\msdchem\1\methods\
Method File : VI210510G.M
Title : GCMS9: NWTPH-Gx by GC/MS
Last Update : Tue May 11 12:43:15 2021
Response Via : Initial Calibration

Total Cpnds : 13

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (IS)	168	6.150	1.000	A	2	A	B
2	S	1,4-Difluorobenzene (Sur)	114	6.710	1.091	A	2	A	B
3	S	4-Bromofluorobenzene (Sur)	174	10.919	1.776	A	2	A	B
4	H	NWTPH-Gx (TPH)	TIC	9.890	1.608	Q	0	A	B
5	H	TPHg (C5-C9)	TIC	9.890	1.608	Q	0	A	B
6	H	TPHg (C6-C10)	TIC	9.890	1.608	Q	0	A	B
7	H	CA-LUFT (C5-C12)	TIC	9.890	1.608	Q	0	A	B
8		Benzene (NR)	78	6.059	0.985	A	2	A	B
9	S	Toluene-d8 (NR)	98	8.218	1.336	A	2	A	B
10		Toluene (NR)	91	8.279	1.346	A	2	A	B
11	S	Chlorobenzene-d5 (NR)	117	9.849	1.601	A	2	A	B
12	S	1,4-Dichlorobenzene-d4 (NR)	150	11.802	1.919	A	2	A	B
13		Naphthalene (NR)	128	13.566	2.206	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

I210510G.M Tue May 11 14:29:10 2021



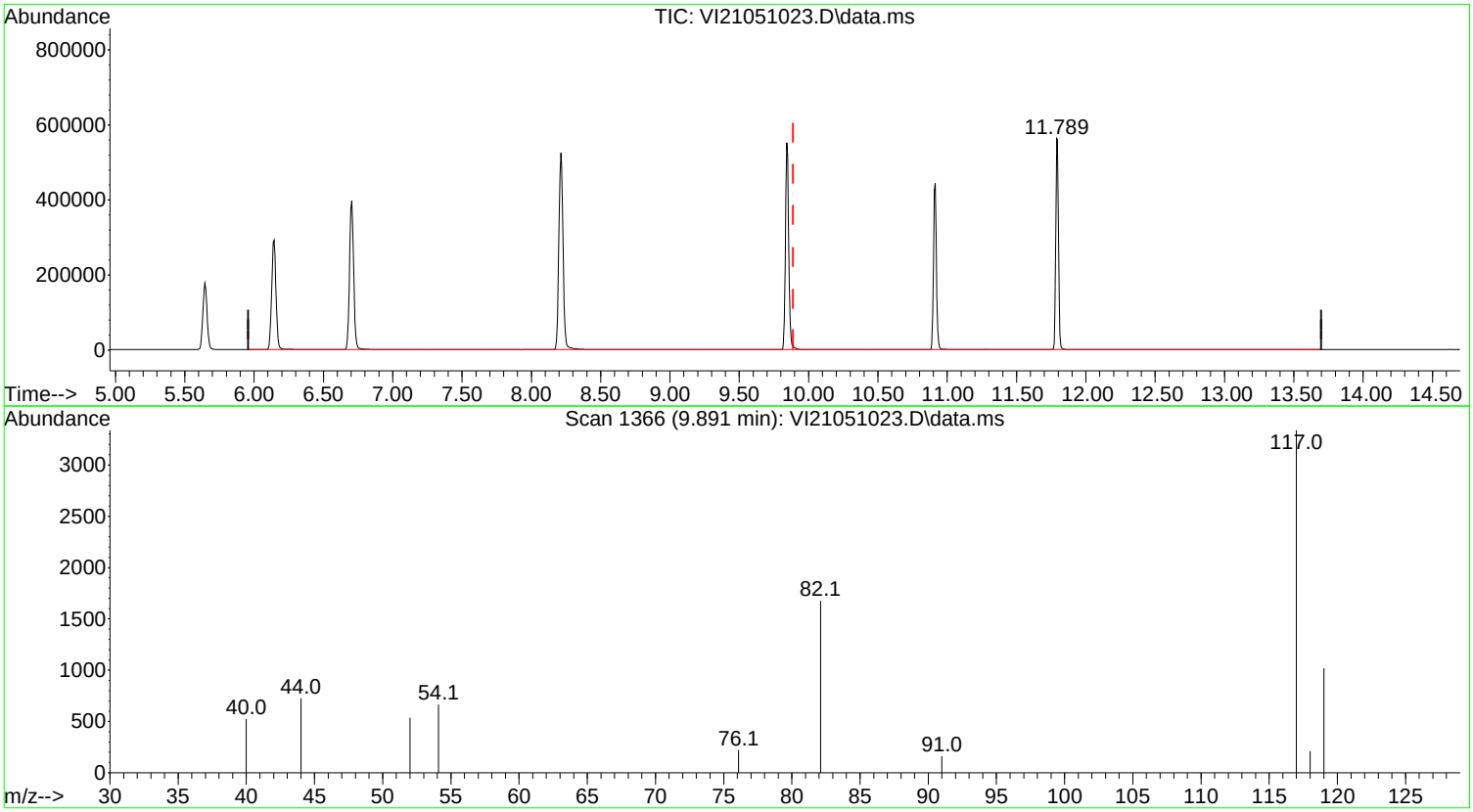
: = 2.48e-004 A*A + 1.45e+000 A - 7.95e-001
:oef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
lethod Name: C:\msdchem\1\methods\VI210510G.M
:alibration Table Last Updated: Tue May 11 14:19:03 2021

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:30:09 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



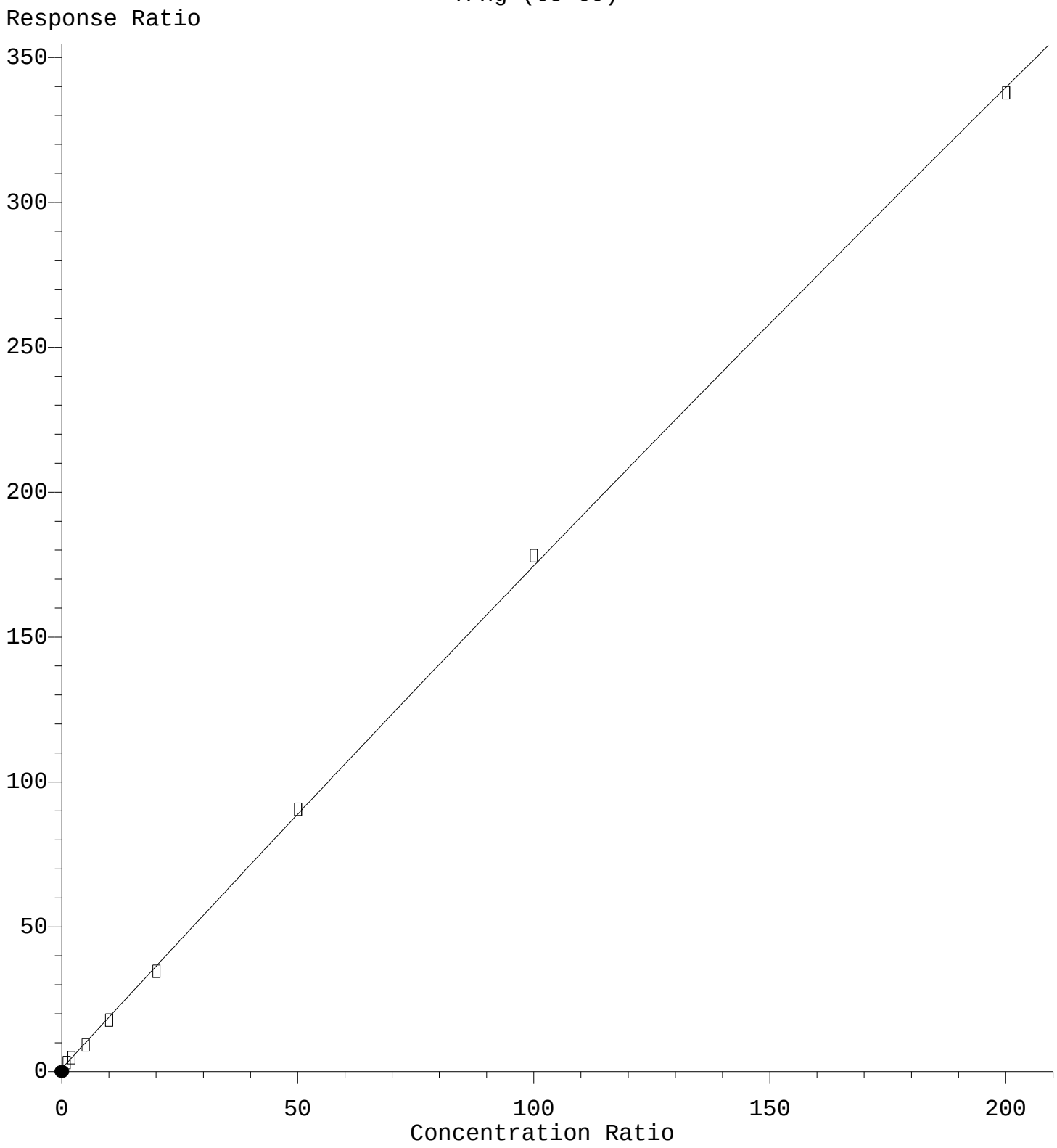
TIC: VI21051023.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 29.66 ug/L m

response 15132

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00



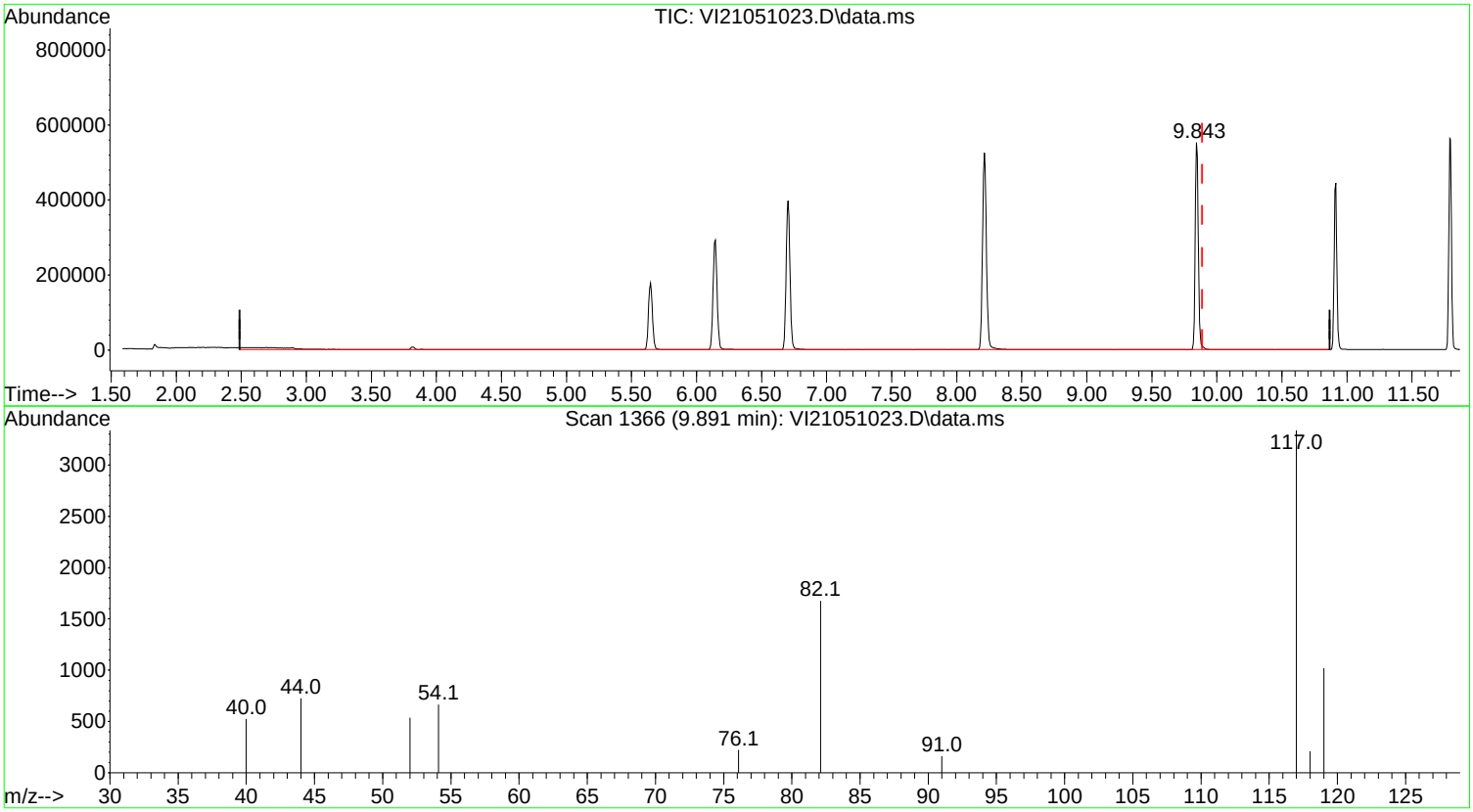
= -4.11e-004 A*A + 1.78e+000 A + 1.12e+000
oef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
ethod Name: C:\msdchem\1\methods\VI210510G.M
alibration Table Last Updated: Tue May 11 14:19:03 2021

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:30:09 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



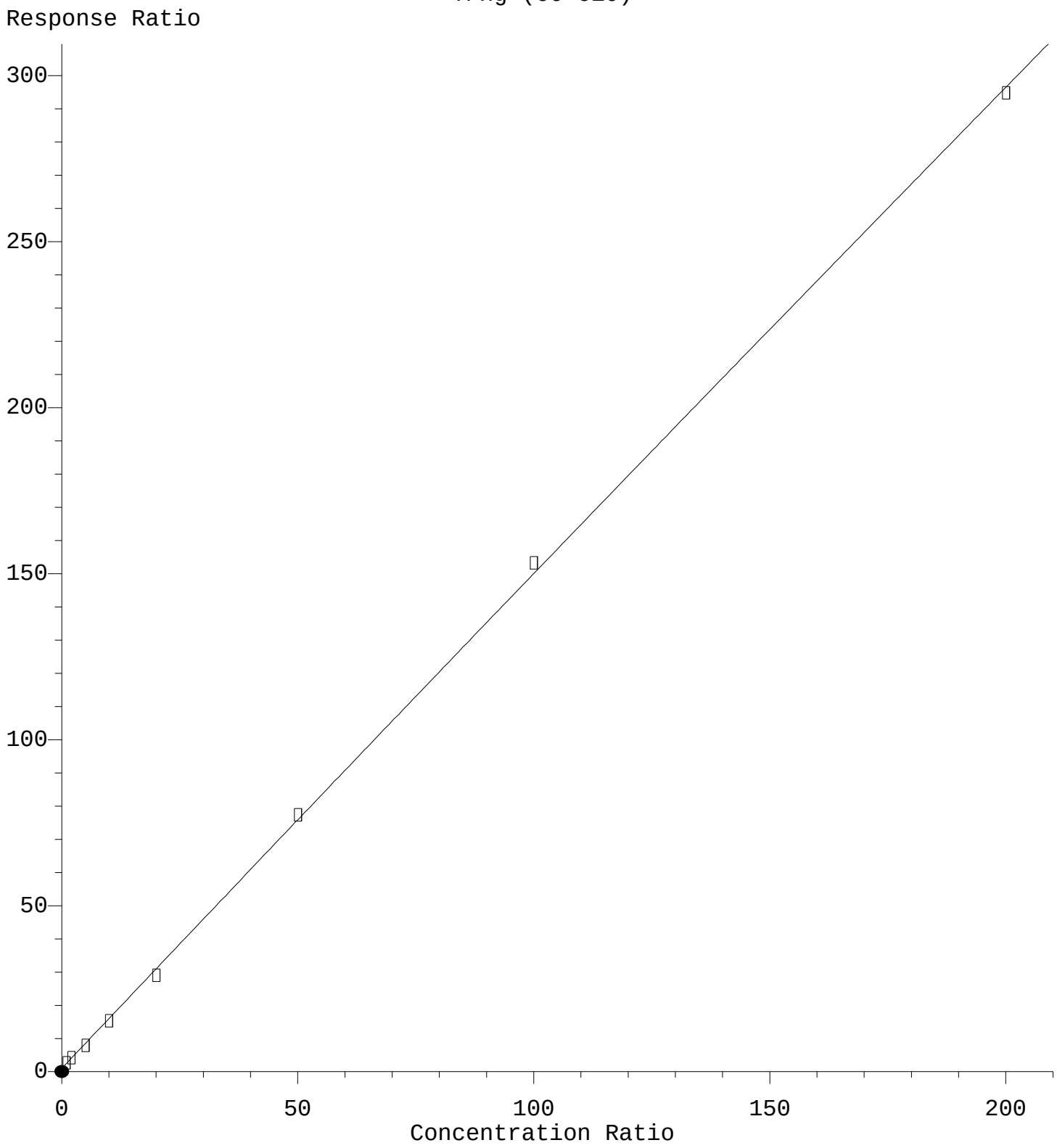
TIC: VI21051023.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 11.07 ug/L m

response 363741

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00



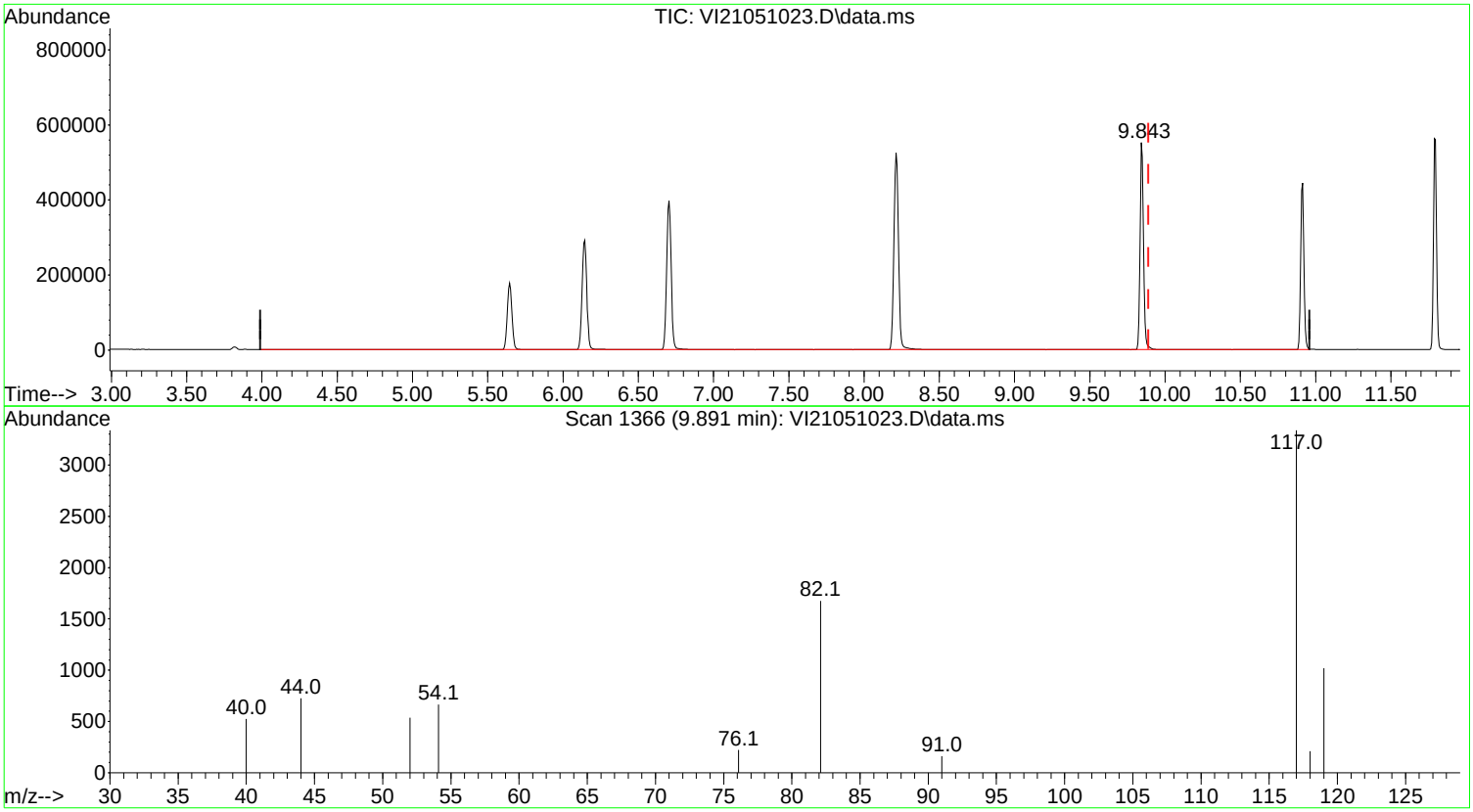
= -1.22e-004 A*A + 1.50e+000 A + 1.03e+000
oef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
ethod Name: C:\msdchem\1\methods\VI210510G.M
alibration Table Last Updated: Tue May 11 14:19:03 2021

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:30:09 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



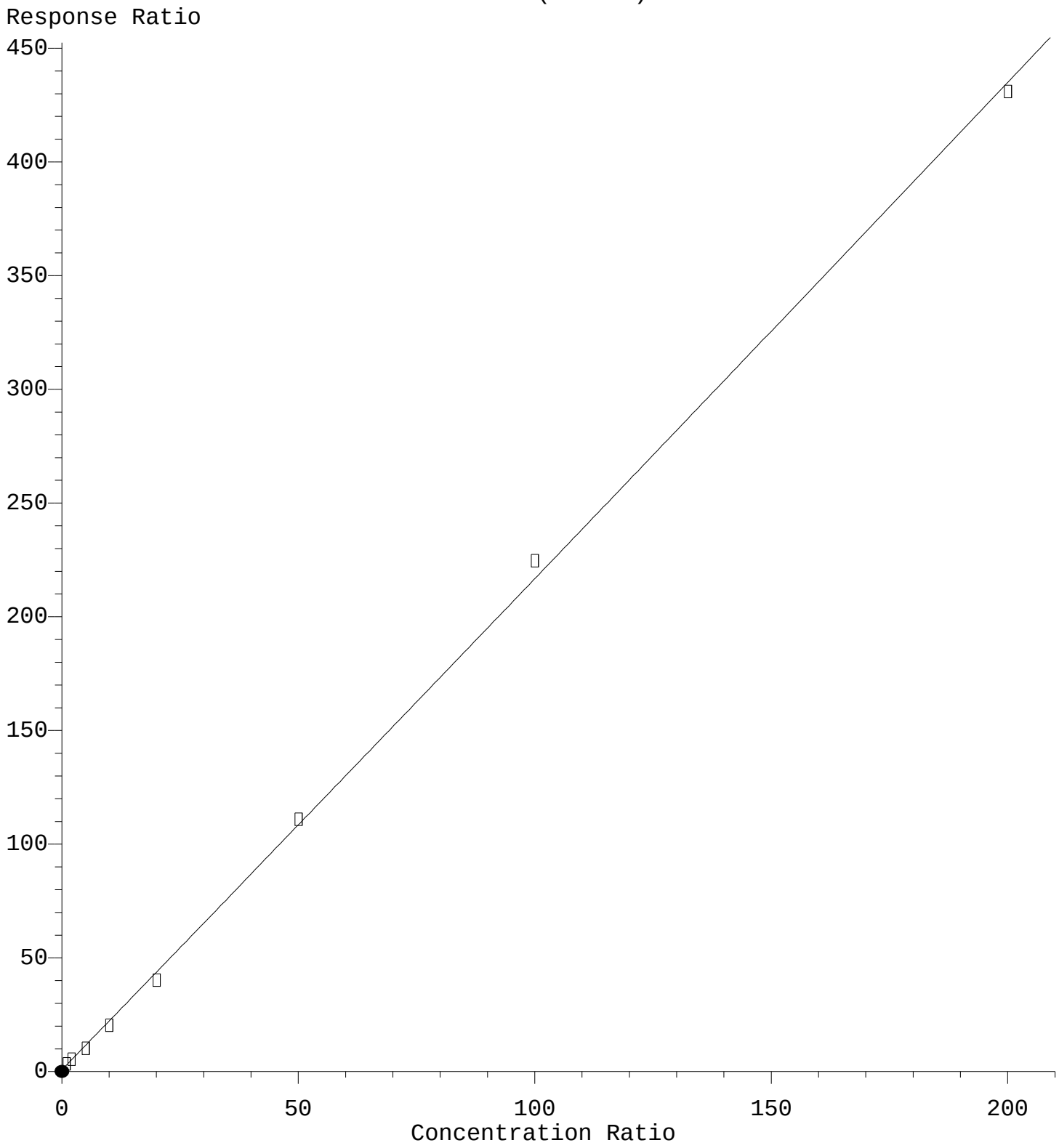
TIC: VI21051023.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 14.16 ug/L m

response 349811

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00



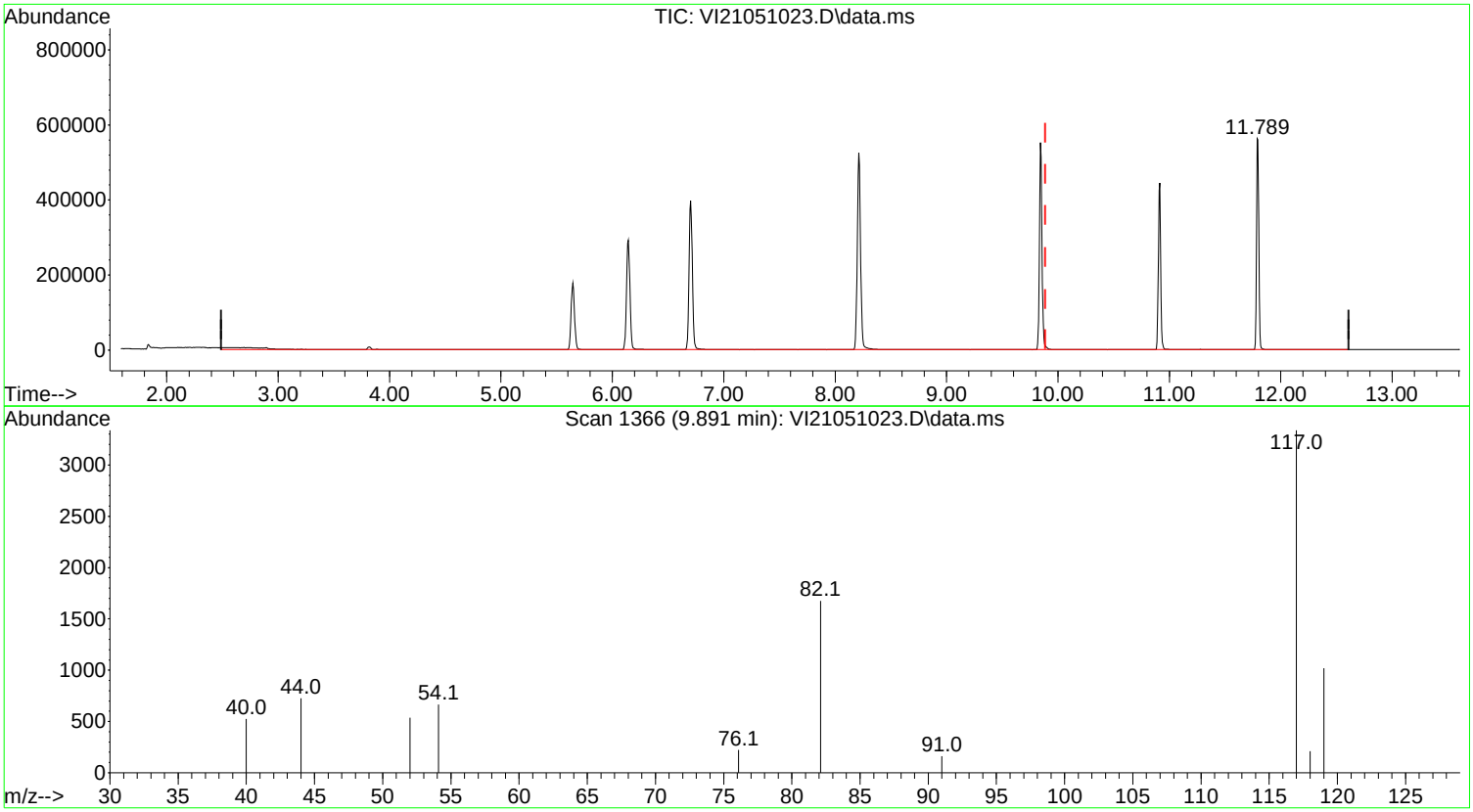
: = 1.27e-004 A*A + 2.15e+000 A + 8.30e-001
:oef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
lethod Name: C:\msdchem\1\methods\VI210510G.M
:alibration Table Last Updated: Tue May 11 14:19:03 2021

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:30:09 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051023.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 20.21 ug/L m

response 407941

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E10062 **Seq. Date: 5/11/2021**

SEQUENCE LOG

05/11/21 TNL

SampleID	Analysis	Matrix	STDID	Analyzed
1E10062-TUN2	8015M Gasoline (C6-C10) by GC/I	Water		5/11/2021 12:59:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
1E10062-ICB2	8015M Gasoline (C6-C10) by GC/I	Water		5/11/2021 1:26:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
1E10062-CALC	8015M Gasoline (C6-C10) by GC/I	Water	A21D076	5/11/2021 2:48:00AM
"	+CA LUFT GRO	"	A21D076	"
"	+NWTPH-Gx	"	A21D076	"
1E10062-CALD	8015M Gasoline (C6-C10) by GC/I	Water	A21D077	5/11/2021 3:15:00AM
"	+CA LUFT GRO	"	A21D077	"
"	+NWTPH-Gx	"	A21D077	"
1E10062-CALE	8015M Gasoline (C6-C10) by GC/I	Water	A21D078	5/11/2021 3:42:00AM
"	+CA LUFT GRO	"	A21D078	"
"	+NWTPH-Gx	"	A21D078	"
1E10062-CALF	8015M Gasoline (C6-C10) by GC/I	Water	A21D079	5/11/2021 4:09:00AM
"	+CA LUFT GRO	"	A21D079	"
"	+NWTPH-Gx	"	A21D079	"
1E10062-CALG	8015M Gasoline (C6-C10) by GC/I	Water	A21D080	5/11/2021 4:36:00AM
"	+CA LUFT GRO	"	A21D080	"
"	+NWTPH-Gx	"	A21D080	"
1E10062-CALH	8015M Gasoline (C6-C10) by GC/I	Water	A21D081	5/11/2021 5:04:00AM
"	+CA LUFT GRO	"	A21D081	"
"	+NWTPH-Gx	"	A21D081	"
1E10062-CALI	8015M Gasoline (C6-C10) by GC/I	Water	A21D082	5/11/2021 5:31:00AM
"	+CA LUFT GRO	"	A21D082	"
"	+NWTPH-Gx	"	A21D082	"
1E10062-CALJ	8015M Gasoline (C6-C10) by GC/I	Water	A21D083	5/11/2021 5:58:00AM
"	+CA LUFT GRO	"	A21D083	"
"	+NWTPH-Gx	"	A21D083	"
1E10062-ICV2	8015M Gasoline (C6-C10) by GC/I	Water	A21D084	5/11/2021 7:20:00AM
"	+CA LUFT GRO	"	A21D084	"
"	+NWTPH-Gx	"	A21D084	"

CALIBRATION STANDARD RECOVERIES

Calibration: **A1E1107** Instrument: **VOA-GCMS9**

8015M Gasoline (C6-C10) by (Sequence: **1E10062** Matrix: **Water**

1E10062-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1E10062-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1E10062-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1E10062-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1E10062 **Seq. Date: 5/11/2021**

1E10062-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1E10062-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1E10062-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1E10062-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

Compounds listed above have recalculated recoveries outside 85-115% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	MRL	Recalc Value	OK?	Raise MRL to ?
		_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (85-115 or as specified).

ICV RECOVERIES

Calibration: **A1E1107** Instrument: **VOA-GCMS9**

NWTPH-Gx Sequence: **1E10062** Matrix: **Water**

1E10062-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

ICV : Initial Result vs Element Cal Result

Calibration: **A1E1107** Instrument: **VOA-GCMS9**

NWTPH-Gx Sequence: **1E10062** Matrix: **Water**

1E10062-ICV2	**Inst. MRL**	**ICV Level**	**I_Res**	**Cal_Res**	**Diff**

Initial Results for any compounds listed above have Element Calculated Results that are different than the Instrument resutls, once recalculated.

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	96	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	50.086	-0.2	96	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	49.983	0.0	98	0.00
4	H	NWTPH-Gx (TPH)	500.000	470.853	5.8	102	0.00
5	H	TPHg (C5-C9)	500.000	501.530	-0.3	106	0.00
6	H	TPHg (C6-C10)	500.000	493.897	1.2	103	0.00
7	H	CA-LUFT (C5-C12)	500.000	493.448	1.3	106	0.00
8		Benzene (NR)	-1.000	0.000	0.0	108	0.00
9	S	Toluene-d8 (NR)	-1.000	0.000	0.0	97	0.00
10		Toluene (NR)	-1.000	0.000	0.0	102	0.00
11	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	97	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	98	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

njection Log

ata Directory: C:\msdchem\1\data\2021-05\1E10062\

ile ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
I21051001.D	1E10062-IBL1	1X 5mL DI	1	1	10 May 2021 3:14 pm
I21051002.D	1E10062-IBL2	1X 5mL DI	2	1	10 May 2021 3:41 pm
I21051003.D	1E10062-TUN1	A21B495 5mL BFB (I	3	1	10 May 2021 4:08 pm
I21051004.D	1E10062-ICB1	1X 5mL DI	4	1	10 May 2021 4:36 pm
I21051005.D	1E10062-CAL1	1X 5mL 0.1 PPB VO	5	1	10 May 2021 5:04 pm
I21051006.D	1E10062-CAL2	1X 5mL 0.2 PPB VO	6	1	10 May 2021 5:31 pm
I21051007.D	1E10062-CAL3	1X 5mL 0.4 PPB VO	7	1	10 May 2021 5:58 pm
I21051008.D	1E10062-CAL4	1X 5mL 1PPB VOCR	8	1	10 May 2021 6:26 pm
I21051009.D	1E10062-CAL5	1X 5mL 2PPB VOCR	9	1	10 May 2021 6:54 pm
I21051010.D	1E10062-CAL6	1X 5mL 5 PPB V	10	1	10 May 2021 7:21 pm
I21051011.D	1E10062-CAL7	1X 5mL 10 PPB VO	11	1	10 May 2021 7:50 pm
I21051012.D	1E10062-CAL8	1X 5mL 20 PPB VO	12	1	10 May 2021 8:18 pm
I21051013.D	1E10062-CAL9	1X 5mL 50 PPB VO	13	1	10 May 2021 8:47 pm
I21051014.D	1E10062-IBL3	1X 5mL DI	14	1	10 May 2021 9:16 pm
I21051015.D	1E10062-CALA	1X 5mL 100 PPB V	15	1	10 May 2021 9:44 pm
I21051016.D	1E10062-IBL4	1X 5mL DI	16	1	10 May 2021 10:12 pm
I21051017.D	1E10062-CALB	1X 5mL 200 PPB V	17	1	10 May 2021 10:39 pm
I21051018.D	1E10062-IBL5	1X 5mL DI	18	1	10 May 2021 11:07 pm
I21051019.D	1E10062-IBL6	1X 5mL DI	19	1	10 May 2021 11:35 pm
I21051020.D	1E10062-ICV1	1X 5mL 20/40PPB	20	1	11 May 2021 12:03 am
I21051021.D	1E10062-IBL7	1X 5mL DI	21	1	11 May 2021 12:31 am
I21051022.D	1E10062-TUN2	A21B495 5mL BFB (I	22	1	11 May 2021 12:59 am
I21051023.D	1E10062-ICB2	1X 5mL DI	23	1	11 May 2021 1:26 am
I21051024.D	1E10062-RT1	1X 5mL A21C119	24	1	11 May 2021 1:54 am
I21051025.D	1E10062-IBL8	1X 5mL DI	25	1	11 May 2021 2:21 am
I21051026.D	1E10062-CALC	1X 5mL 50 PPB G	26	1	11 May 2021 2:48 am
I21051027.D	1E10062-CALD	1X 5mL 100 PPB	27	1	11 May 2021 3:15 am
I21051028.D	1E10062-CALE	1X 5mL 250 PPB	28	1	11 May 2021 3:42 am
I21051029.D	1E10062-CALF	1X 5mL 500 PPB	29	1	11 May 2021 4:09 am
I21051030.D	1E10062-CALG	1X 5mL 1000 PPB	30	1	11 May 2021 4:36 am
I21051031.D	1E10062-CALH	1X 5mL 2500 PPB	31	1	11 May 2021 5:04 am
I21051032.D	1E10062-CALI	1X 5mL 5000 PPB	32	1	11 May 2021 5:31 am
I21051033.D	1E10062-CALJ	1X 5mL 10000 PPB	33	1	11 May 2021 5:58 am
I21051034.D	1E10062-IBL9	1X 5mL DI	34	1	11 May 2021 6:25 am
I21051035.D	1E10062-IBLA	1X 5mL DI	35	1	11 May 2021 6:53 am
I21051036.D	1E10062-ICV2	1X 5mL 500PPB GX	36	1	11 May 2021 7:20 am
I21051037.D	1E10062-IBLB	1X 5mL DI	37	1	11 May 2021 7:48 am

05/11/21 PS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051001.D
Acq On : 10 May 2021 3:14 pm
Operator : PS
Sample : 1E10062-IBL1
Misc : 1X 5mL DI
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:34:30 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	146296	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	378725	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	175637	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	145110	50.03	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	453647	50.20	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	501823	50.20	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	152812	52.07	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.642	85	660	0.45	ug/L	#	1
3) Chloromethane	1.867	50	384	0.18	ug/L		91
5) Bromomethane	2.336	96	151	0.12	ug/L	#	1
6) Chloroethane	2.439	64	320	Below Cal		#	49
8) Ethanol	3.163	45	356	5.18	ug/L	#	29
13) Acrolein	3.565	56	482	0.68	ug/L	#	2
14) Methylene Chloride	3.814	84	4651	1.61	ug/L		86
15) Acetone	3.875	43	2761	2.04	ug/L		97
17) n-Hexane	4.112	86	332	0.77	ug/L	#	1
30) Tetrahydrofuran	5.639	42	112	0.08	ug/L	#	43
34) 2-Butanone (MEK)	5.779	43	532	0.25	ug/L		52
57) 2-Hexanone	9.587	43	616	0.24	ug/L	#	15
87) Naphthalene	13.554	128	214	0.17	ug/L		81

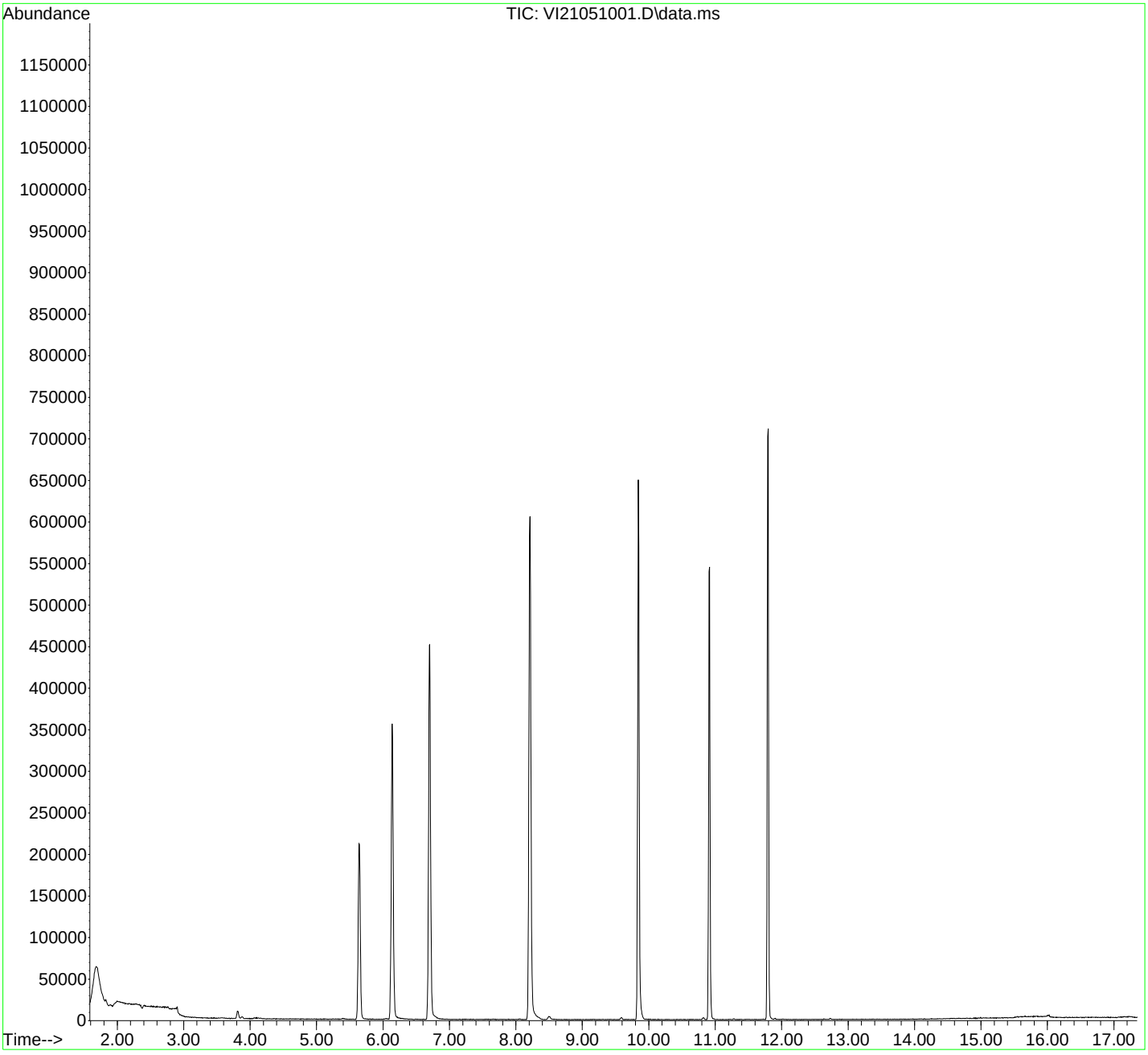
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051001.D
Acq On : 10 May 2021 3:14 pm
Operator : PS
Sample : 1E10062-IBL1
Misc : 1X 5mL DI
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:30 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051002.D
Acq On : 10 May 2021 3:41 pm
Operator : PS
Sample : 1E10062-IBL2
Misc : 1X 5mL DI 05/11/21 TNL
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	140241	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.843	117	365372	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	164643	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.639	111	137295	49.38	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.704	114	434288	50.13	ug/L	0.00
48) Toluene-d8 (S)	8.212	98	486876	50.48	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.913	174	143879	52.30	ug/L	0.00
Target Compounds						Qvalue
3) Chloromethane	1.855	50	250	0.12	ug/L	# 47
6) Chloroethane	2.482	64	428	Below Cal		# 47
14) Methylene Chloride	3.814	84	4135	1.49	ug/L	# 79
15) Acetone	3.875	43	1605	1.24	ug/L	93
59) Ethylbenzene	9.849	91	769	0.07	ug/L	# 1

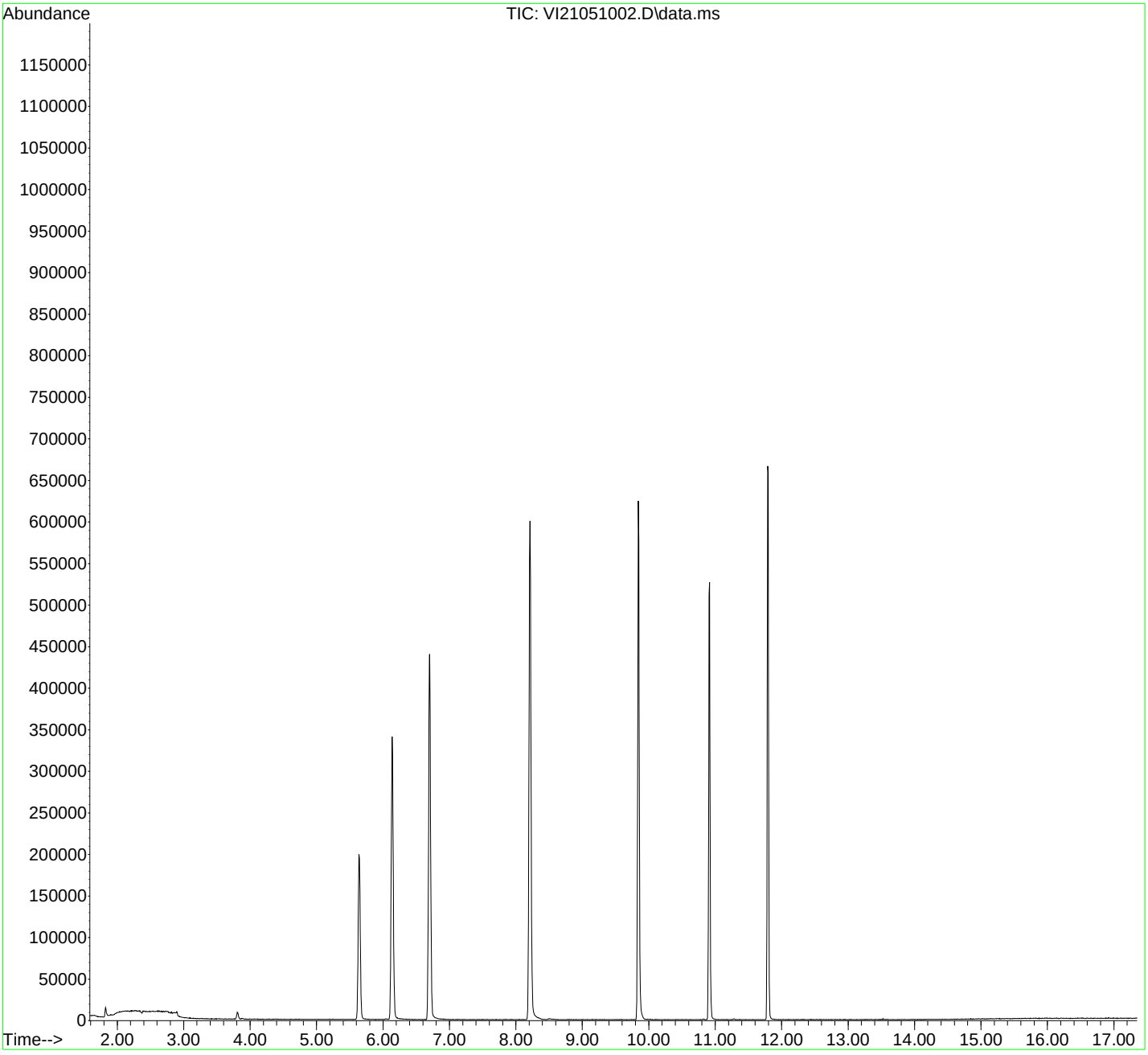
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051002.D
Acq On : 10 May 2021 3:41 pm
Operator : PS
Sample : 1E10062-IBL2
Misc : 1X 5mL DI
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

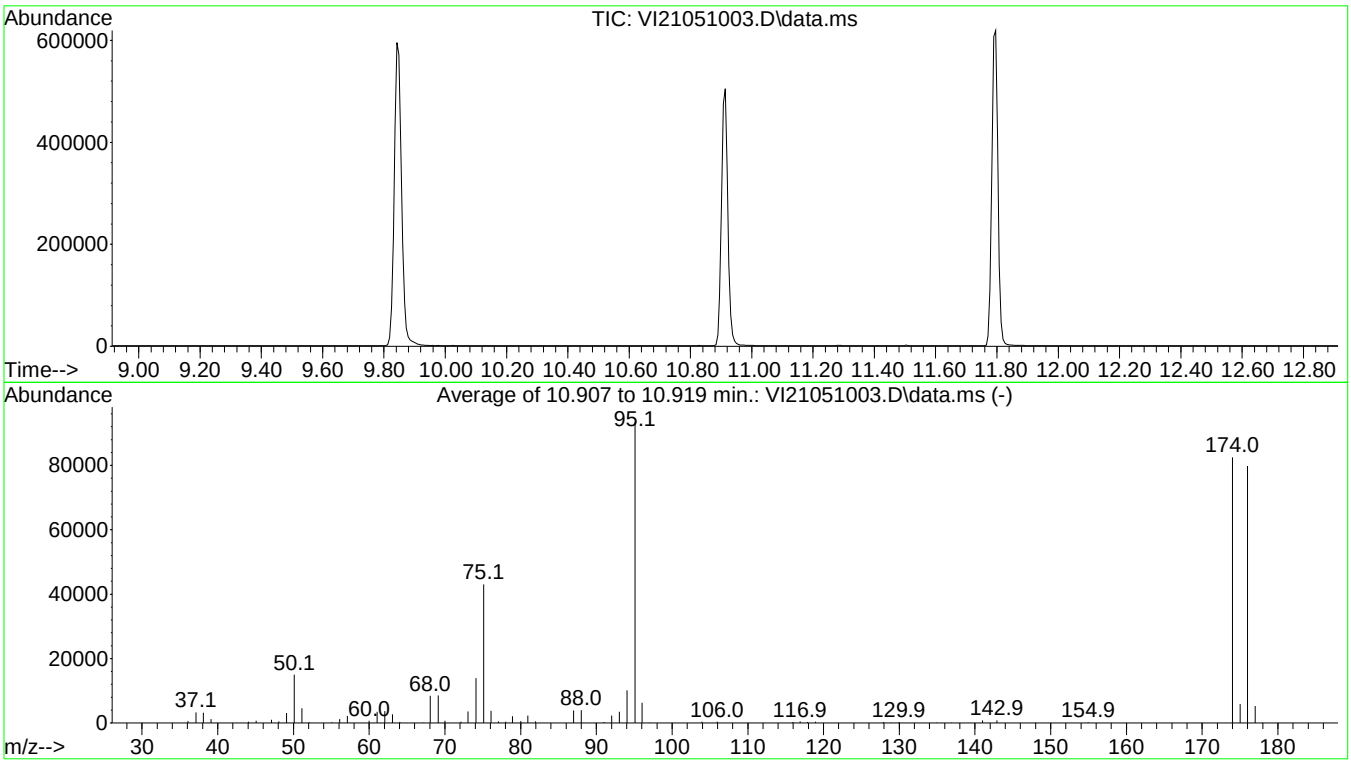
Quant Time: May 11 14:34:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051003.D
Acq On : 10 May 2021 4:08 pm
Operator : PS
Sample : 1E10062-TUN1
Misc : A21B495 5mL BFB (IS/SURR) 05/11/21 TNL
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021



AutoFind: Scans 1533, 1534, 1535; Background Corrected with Scan 1526

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	113.2	93416	PASS
96	95	5	9	6.7	6223	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	88.3	82528	PASS
175	174	5	9	7.1	5870	PASS
176	174	95	105	96.7	79827	PASS
177	176	5	10	6.6	5305	PASS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051003.D
Acq On : 10 May 2021 4:08 pm
Operator : PS
Sample : 1E10062-TUN1 V 05/11/21 TNL
Misc : A21B495 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:36 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.144	99	133717	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.843	117	343349	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	152728	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	129487	48.85	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.704	114	407422	49.32	ug/L	0.00
48) Toluene-d8 (S)	8.212	98	461133	50.88	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.913	174	133485	52.31	ug/L	0.00
Target Compounds						Qvalue
3) Chloromethane	1.873	50	182	0.09	ug/L #	47
6) Chloroethane	2.421	64	1061	0.23	ug/L #	36
14) Methylene Chloride	3.820	84	4151	1.57	ug/L	84
15) Acetone	3.887	43	1455	1.18	ug/L	99
59) Ethylbenzene	9.843	91	651	0.07	ug/L #	1

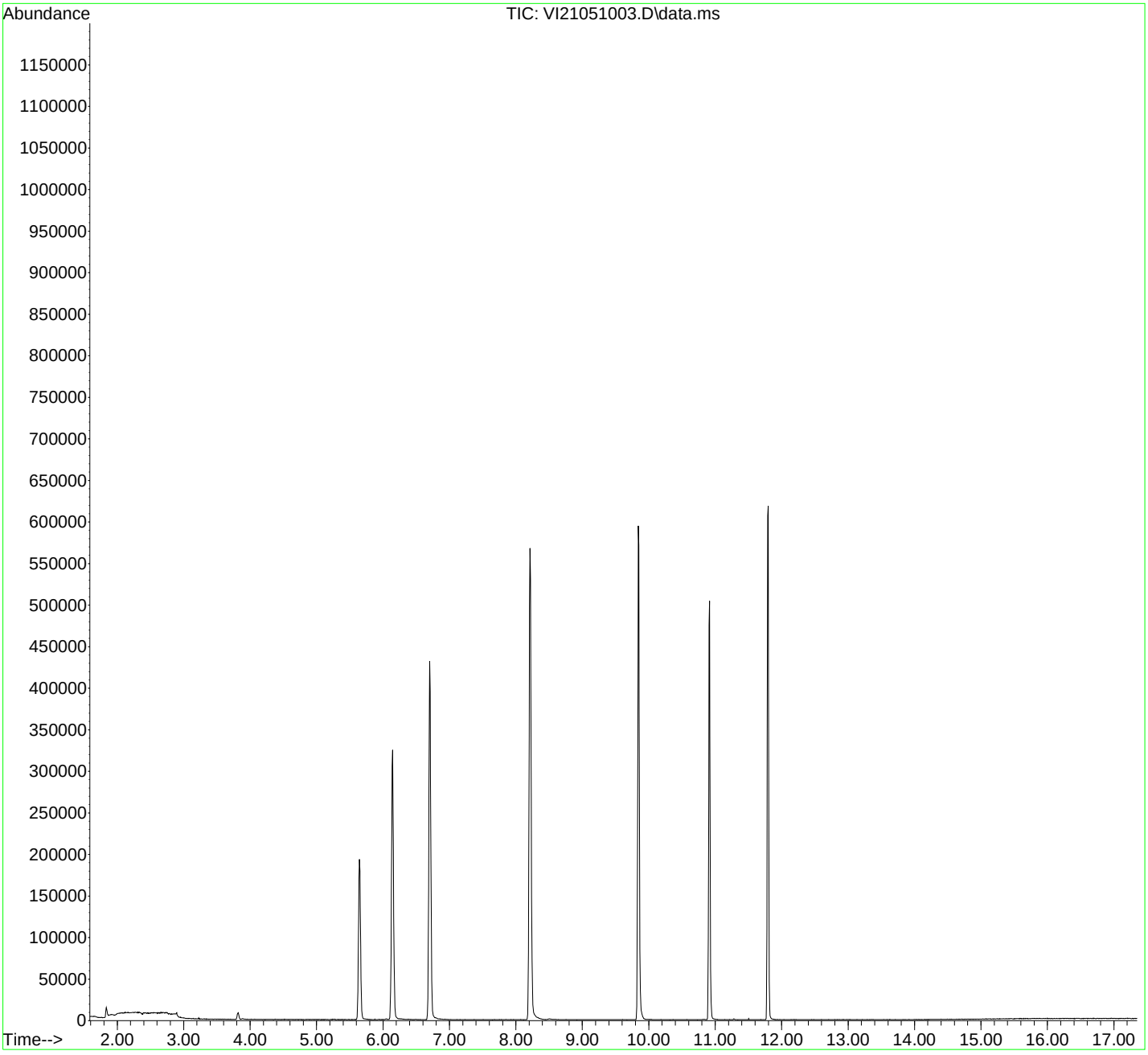
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051003.D
Acq On : 10 May 2021 4:08 pm
Operator : PS
Sample : 1E10062-TUN1
Misc : A21B495 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:36 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051004.D
Acq On : 10 May 2021 4:36 pm
Operator : PS
Sample : 1E10062-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1 05/11/21 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:40 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	132884	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	345264	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	154372	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	130273	49.45	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	408554	49.77	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	461656	50.65	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	133785	51.87	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.867	50	116	0.06	ug/L	#	47
6) Chloroethane	2.421	64	1829	0.80	ug/L	#	45
14) Methylene Chloride	3.814	84	3953	1.51	ug/L		91
15) Acetone	3.881	43	1457	1.19	ug/L		95
59) Ethylbenzene	9.843	91	593	0.06	ug/L	#	1

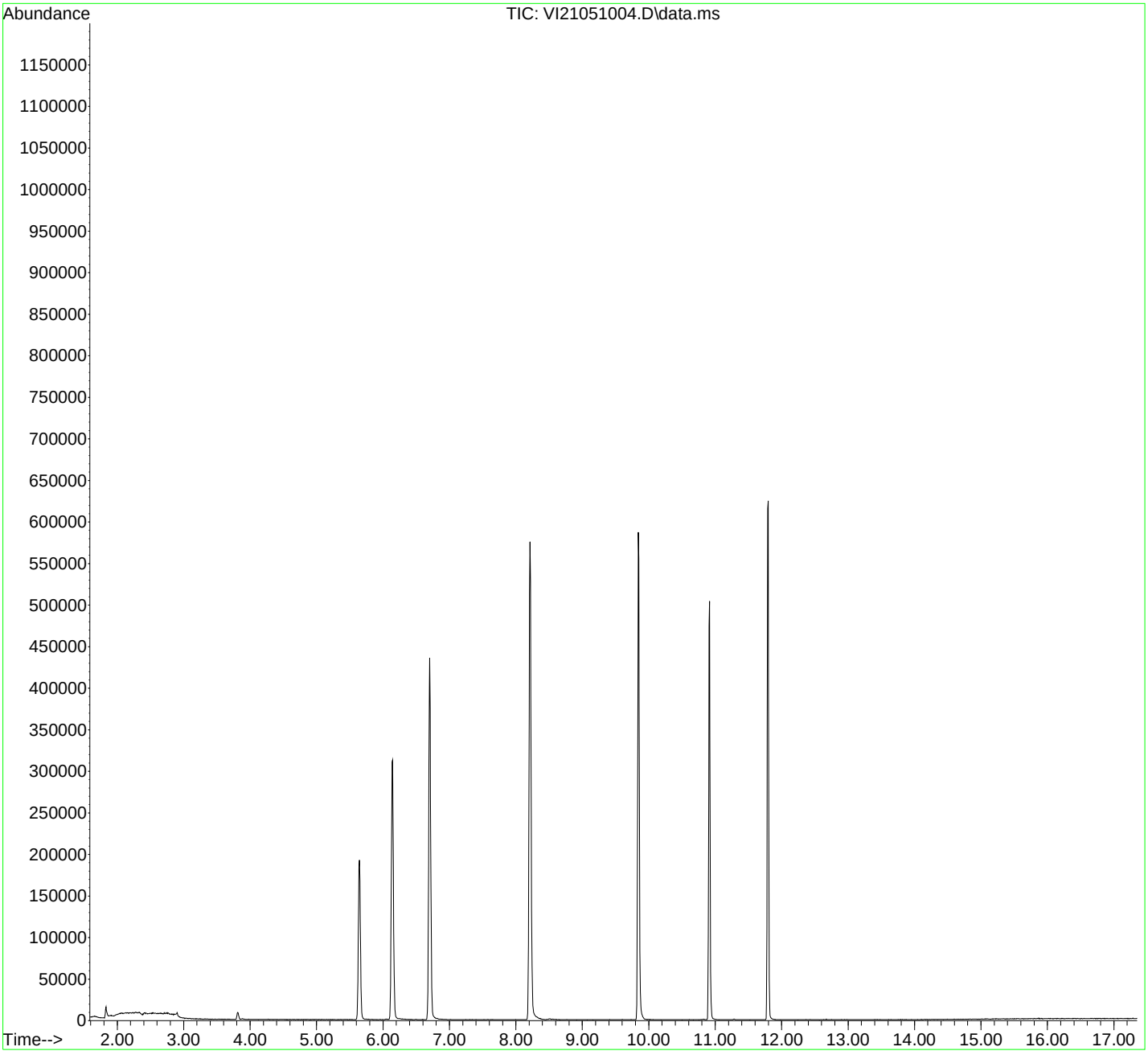
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051004.D
Acq On : 10 May 2021 4:36 pm
Operator : PS
Sample : 1E10062-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:40 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

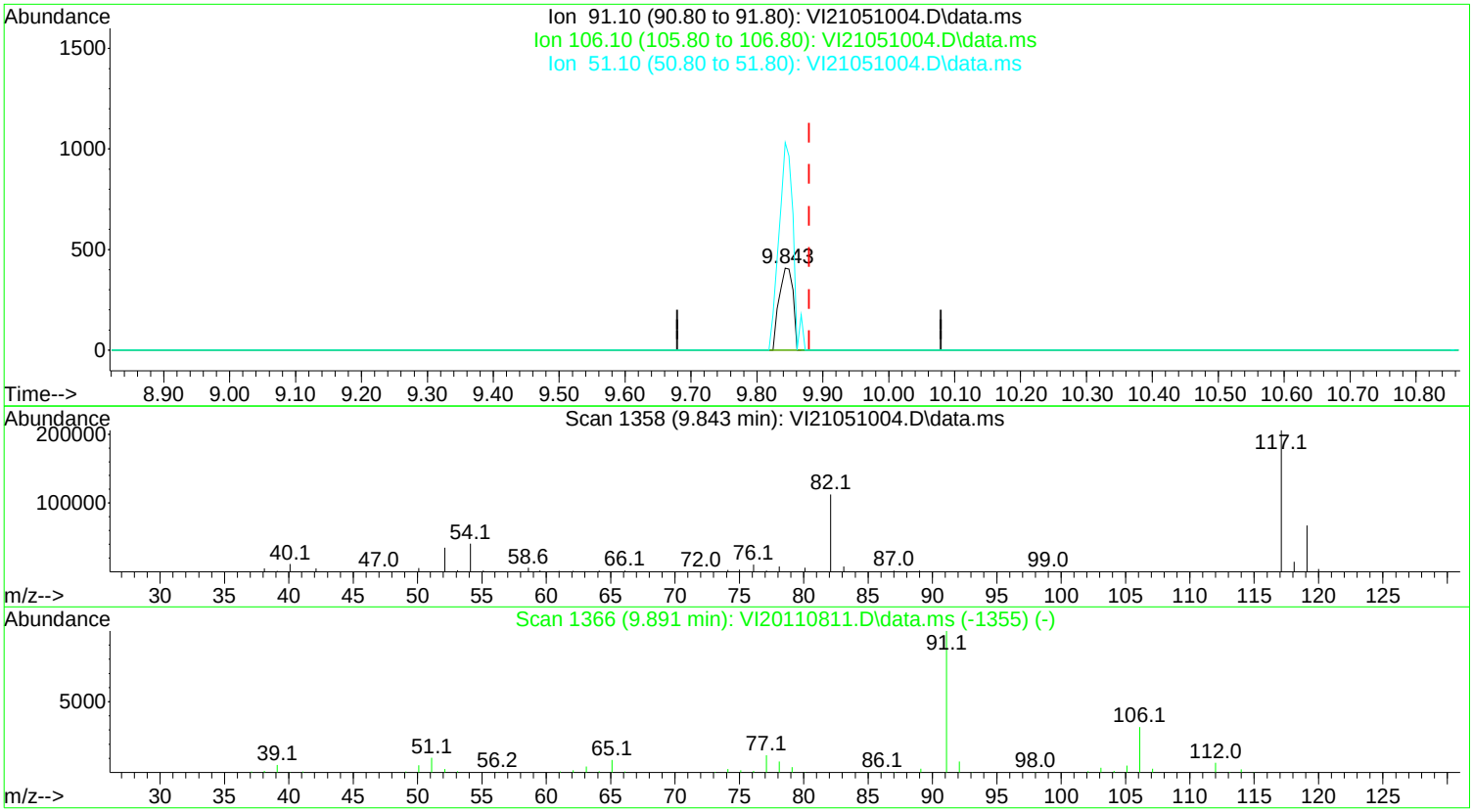


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051004.D
Acq On : 10 May 2021 4:36 pm
Operator : PS
Sample : 1E10062-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:40 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051004.D\data.ms

(59) Ethylbenzene (C)
9.843min (-0.037) 0.06 ug/L
response 593

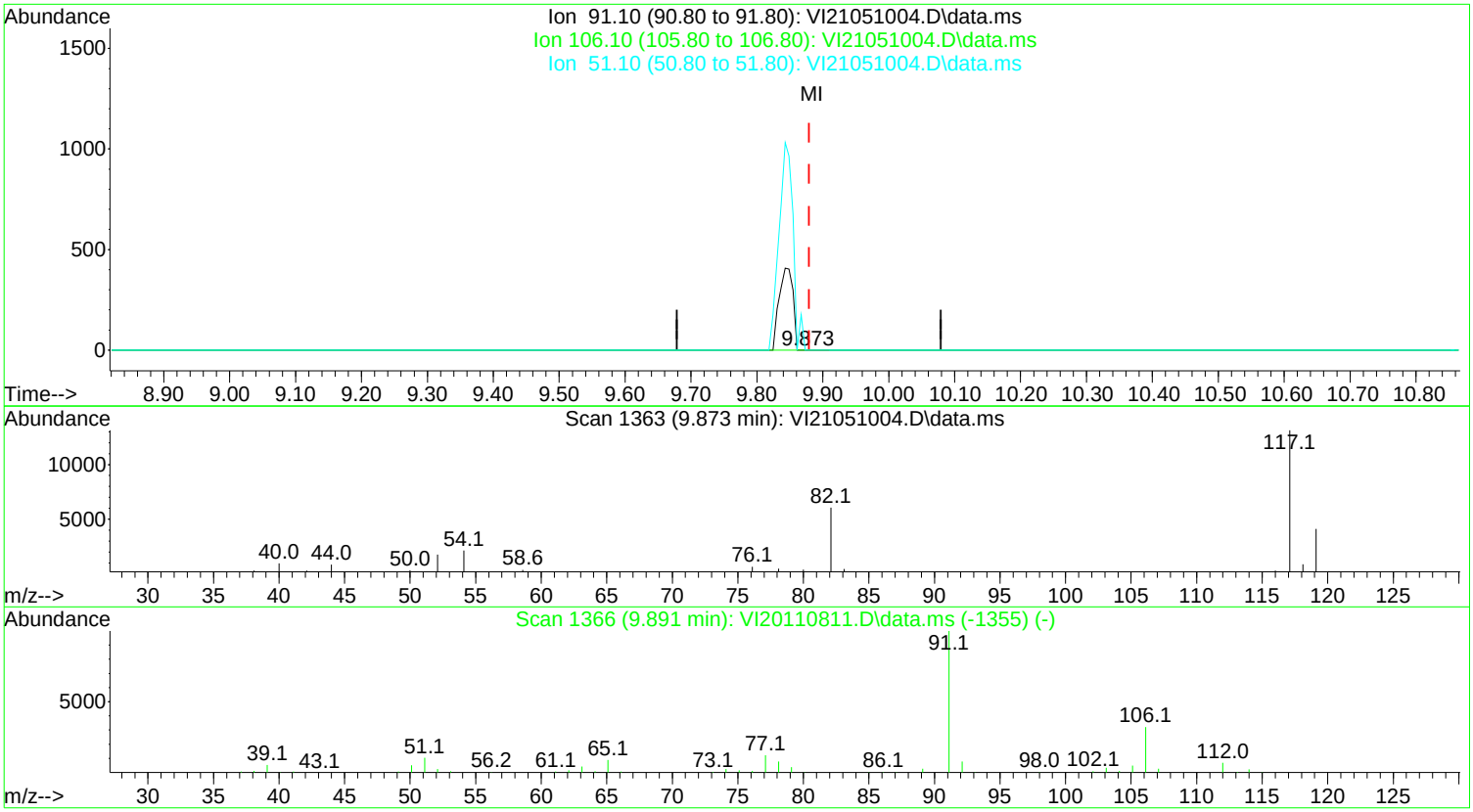
Ion	Exp%	Act%
91.10	100.00	100.00
106.10	30.80	0.00#
51.10	10.40	252.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051004.D
Acq On : 10 May 2021 4:36 pm
Operator : PS
Sample : 1E10062-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:34:40 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



TIC: VI21051004.D\data.ms

(59) Ethylbenzene (C)

9.873min (-0.006) 0.00 ug/L m

response 0

Ion	Exp%	Act%
91.10	100.00	0.00
106.10	30.80	0.00#
51.10	10.40	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051004.D
Acq On : 10 May 2021 4:36 pm
Operator : PS
Sample : 1E10062-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:35:27 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

05/11/21 TNL

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.138	99	132884	50.00	ug/L	0.00
45) Chlorobenzene-d5 (I)	9.843	117	345264	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	154372	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	130273	49.45	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.704	114	408554	49.77	ug/L	0.00
48) Toluene-d8 (S)	8.212	98	461656	50.65	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.913	174	133785	51.87	ug/L	0.00
Target Compounds						Qvalue
14) Methylene Chloride	3.814	84	3953	1.51	ug/L	91
15) Acetone	3.881	43	1457	1.19	ug/L	95

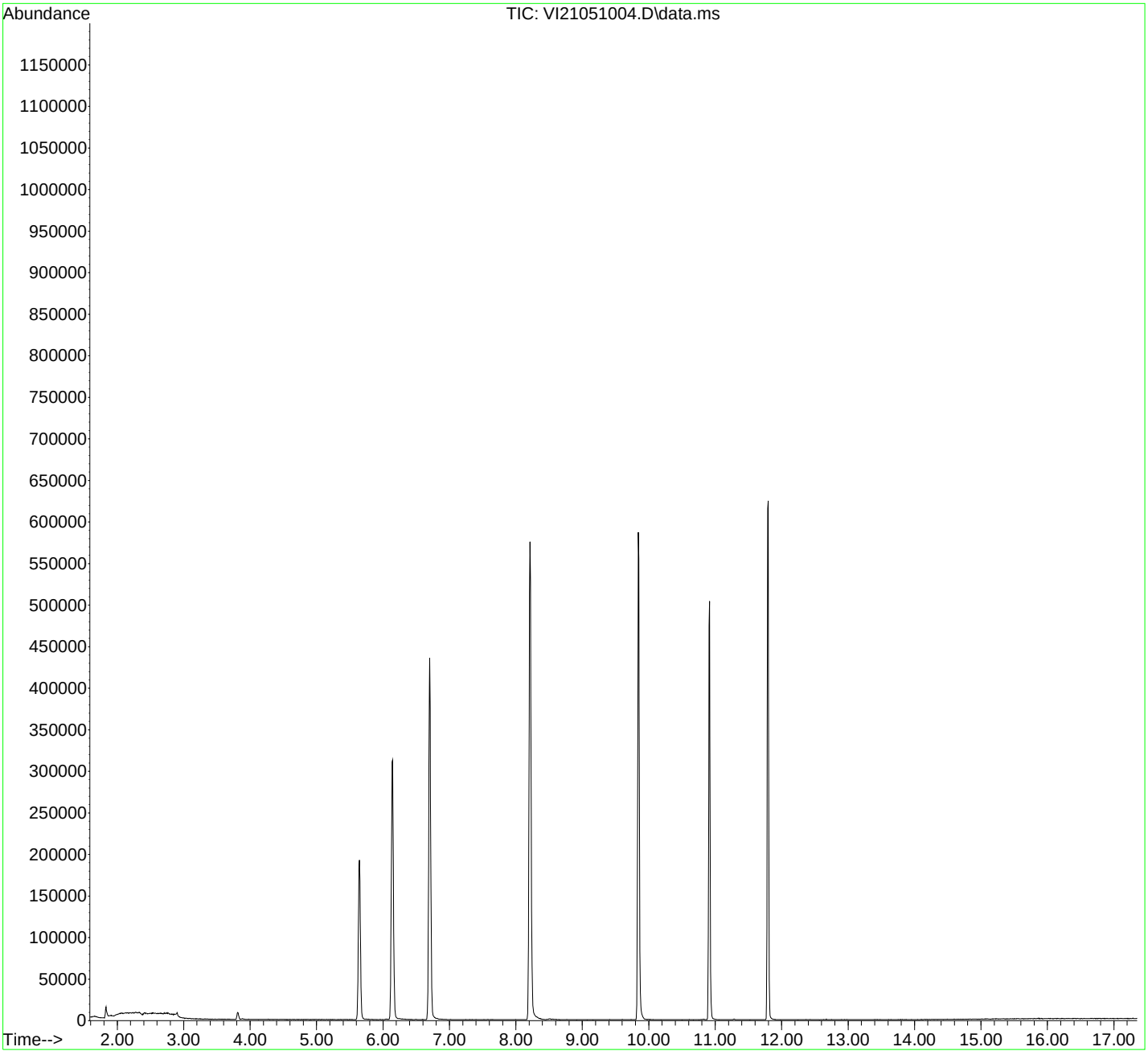
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051004.D
Acq On : 10 May 2021 4:36 pm
Operator : PS
Sample : 1E10062-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:35:27 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 PS

Quant Time: May 11 09:21:56 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.144	99	131806	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	342910	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	151363	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	127927	49.59	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	404642	49.55	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	460010	49.60	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	132034	50.41	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	1.873	50	447	N.D.			
4) Vinyl Chloride	1.971	62	127	0.06	ug/L	#	1
5) Bromomethane	0.000		0	N.D.			
6) Chloroethane	2.445	64	437	0.17	ug/L	#	36
7) Trichlorofluoromethane	2.646	101	115	N.D.			
8) Ethanol	3.163	45	564	9.62	ug/L	#	29
9) 1,1-Dichloroethene	3.193	61	120	N.D.			
10) Carbon Disulfide	3.212	76	650	0.12	ug/L		78
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.820	84	6340	2.64	ug/L		87
15) Acetone	3.875	43	1473	1.39	ug/L	#	44
16) t-1,2-Dichloroethene	3.990	61	210	0.07	ug/L	#	23
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.112	73	693	0.10	ug/L		63
19) tert-Butanol (TBA)	4.221	59	3634	6.37	ug/L		97
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	4.629	63	349	0.08	ug/L	#	48
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	0.000		0	N.D.			
25) c-1,2-Dichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:21:56 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
26) 2,2-Dichloropropane	5.280	77	184	0.06 ug/L #	30
27) Bromochloromethane	0.000		0	N.D.	
28) Chloroform	5.469	83	134	N.D.	
29) Carbon Tetrachloride	0.000		0	N.D.	
30) Tetrahydrofuran	0.000		0	N.D.	
31) 1,1,1-Trichloroethane	5.663	97	119	N.D.	
33) 1,1-Dichloropropene	5.797	75	118	N.D.	
34) 2-Butanone (MEK)	0.000		0	N.D.	
35) Benzene	6.053	78	1287	0.13 ug/L	55
36) tert-Amyl methyl ether...	0.000		0	N.D.	
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.	
38) iso-Butyl Alcohol	6.308	43	565	2.87 ug/L	90
40) Trichloroethene (TCE)	0.000		0	N.D.	
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.	
42) Dibromomethane	0.000		0	N.D.	
43) 1,2-Dichloropropane	0.000		0	N.D.	
44) Bromodichloromethane	0.000		0	N.D.	
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.	
47) c-1,3-Dichloropropene	0.000		0	N.D.	
49) Toluene	8.279	91	1000	0.10 ug/L	84
50) Tetrachloroethene (PCE)	8.717	166	169	0.07 ug/L #	25
51) 4-Methyl-2-Pentanone (...	8.735	43	584	0.19 ug/L #	43
52) t-1,3-Dichloropropene	0.000		0	N.D.	
53) 1,1,2-Trichloroethane	0.000		0	N.D.	
54) Dibromochloromethane	0.000		0	N.D.	
55) 1,3-Dichloropropane	9.228	76	121	N.D.	
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
57) 2-Hexanone	9.593	43	358	0.16 ug/L #	35
58) Chlorobenzene	9.861	112	517	0.08 ug/L #	1
59) Ethylbenzene	9.885	91	966	0.10 ug/L	85
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
61) m,p-Xylenes (2)	10.025	91	1488	0.20 ug/L	88
62) o-Xylene	10.408	91	593	0.08 ug/L	78
63) Styrene	10.457	104	280	N.D.	
64) Bromoform	0.000		0	N.D.	
65) Isopropylbenzene	10.670	105	775	0.09 ug/L	54

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:21:56 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.	
69) n-Propylbenzene	11.017	91	825	0.08 ug/L	90
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
71) 2-Chlorotoluene	11.145	126	118	0.05 ug/L #	78
72) 1,3,5-Trimethylbenzene	11.169	105	410	0.07 ug/L	91
73) 1,2,3-Trichloropropane	0.000		0	N.D.	
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.	
75) 4-Chlorotoluene	11.278	91	466	0.08 ug/L #	45
76) tert-Butylbenzene	11.424	91	291	0.07 ug/L #	83
77) 1,2,4-Trimethylbenzene	11.479	105	455	0.17 ug/L	86
78) sec-Butylbenzene	11.564	105	591	0.07 ug/L	59
79) 4-Isopropyltoluene	11.668	119	453	0.07 ug/L	51
80) 1,3-Dichlorobenzene	11.747	146	249	0.06 ug/L #	25
81) 1,4-Dichlorobenzene	11.808	146	369	0.09 ug/L #	18
82) n-Butylbenzene	11.990	91	257	0.25 ug/L	77
83) 1,2-Dichlorobenzene	12.130	146	296	0.08 ug/L #	25
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
85) Hexachlorobutadiene	0.000		0	N.D.	
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
87) Naphthalene	13.566	128	143	1.13 ug/L	81
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.	

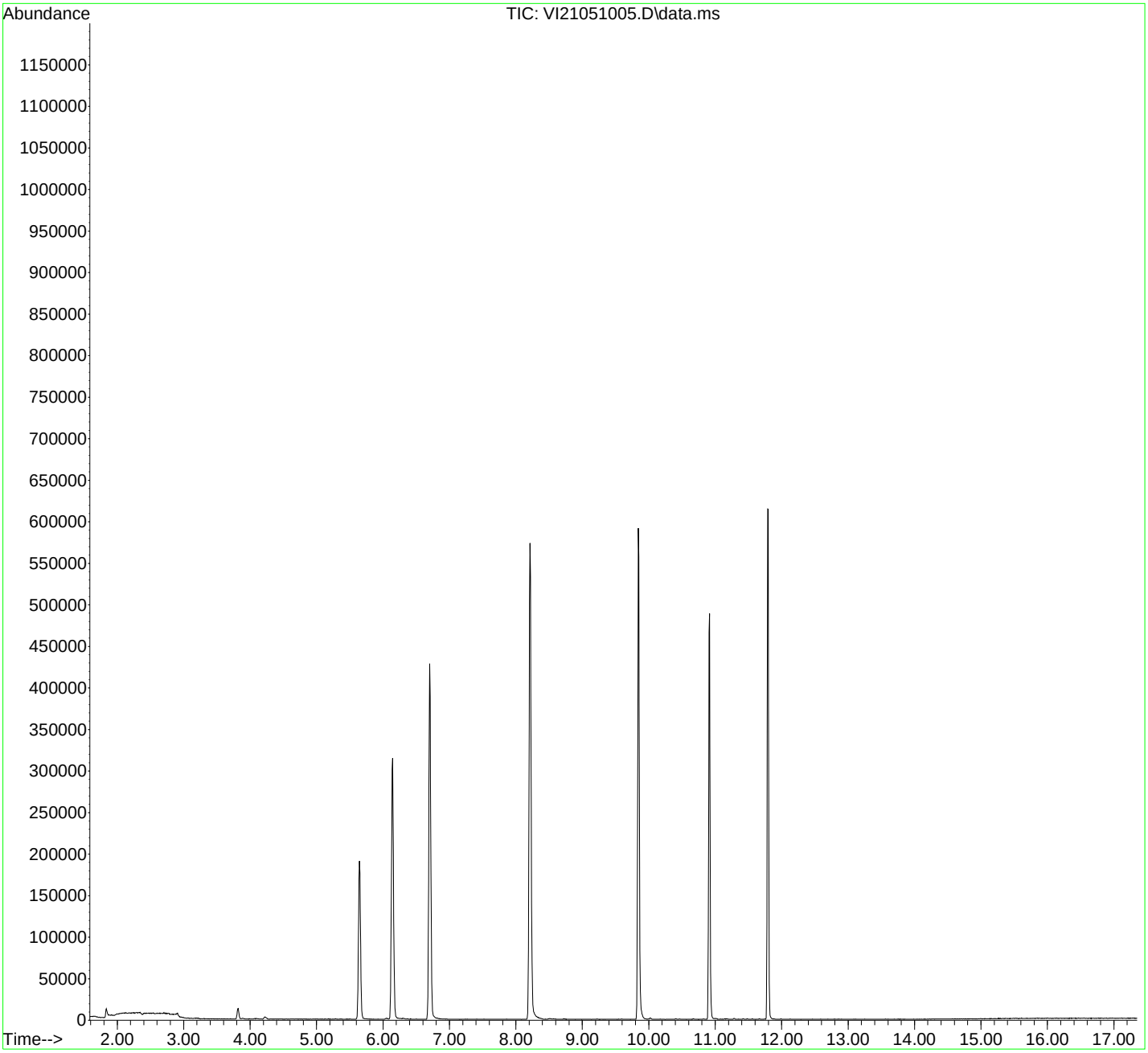
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:21:56 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

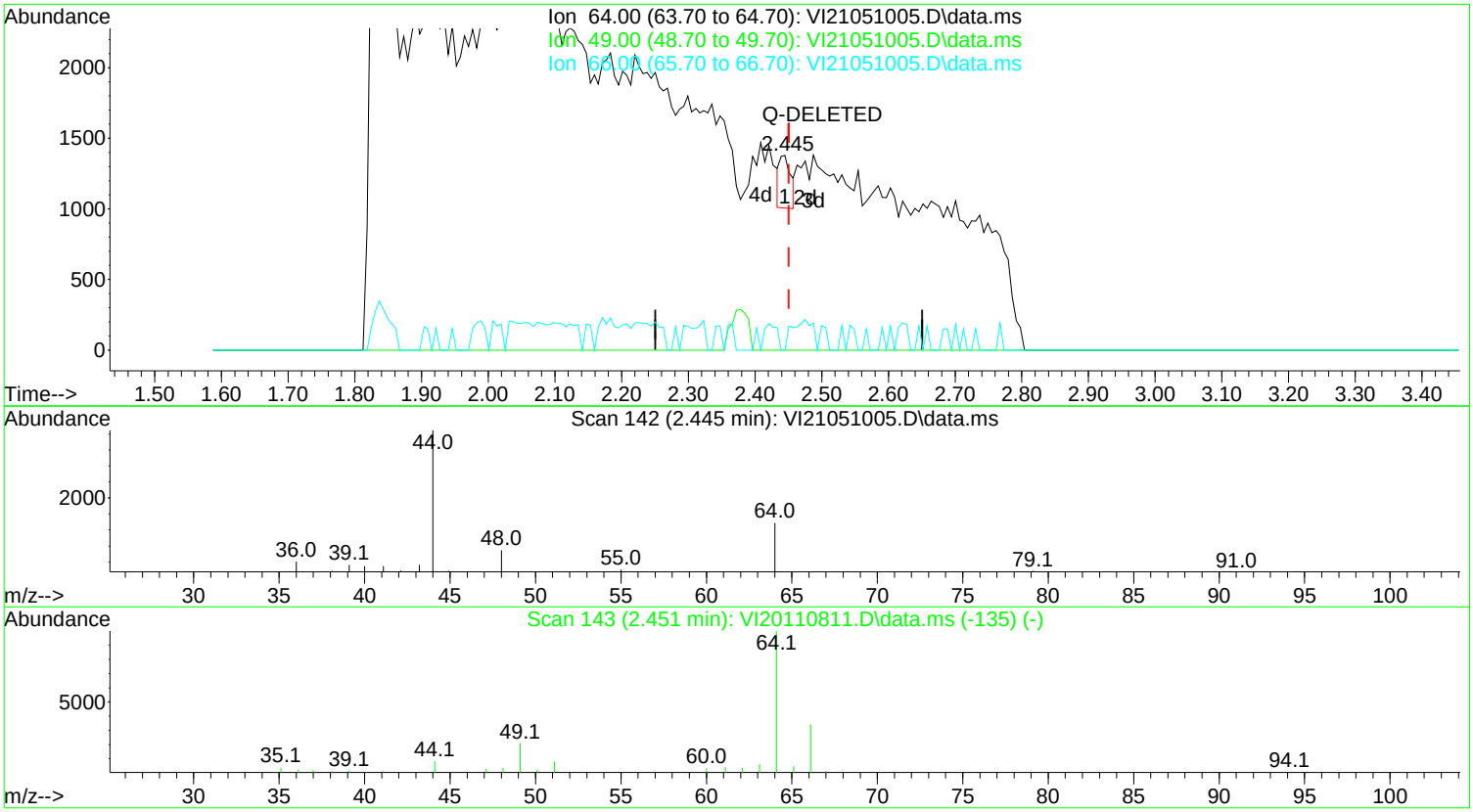


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:21:56 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



TIC: VI21051005.D\data.ms

(6) Chloroethane

2.445min (-0.006) 0.17 ug/L

response 437

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	0.00#
66.00	38.90	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:22:20 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene (I)	6.144	99	131806	50.00 ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.843	117	342910	50.00 ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	151363	50.00 ug/L	0.00
System Monitoring Compounds					
32) Dibromofluoromethane (S)	5.645	111	127927	49.59 ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.704	114	404642	49.55 ug/L	0.00
48) Toluene-d8 (S)	8.212	98	460010	49.60 ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.913	174	132034	50.41 ug/L	0.00
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.873	50	447	N.D.	
4) Vinyl Chloride	1.971	62	127	0.06 ug/L #	1
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	2.646	101	115	N.D.	
8) Ethanol	3.163	45	564	9.62 ug/L #	29
9) 1,1-Dichloroethene	3.193	61	120	N.D.	
10) Carbon Disulfide	3.212	76	650	0.12 ug/L	78
11) Freon 113	0.000		0	N.D.	
12) Iodomethane	0.000		0	N.D.	
13) Acrolein	0.000		0	N.D.	
14) Methylene Chloride	3.820	84	6340	2.64 ug/L	87
15) Acetone	3.875	43	1473	1.39 ug/L #	44
16) t-1,2-Dichloroethene	3.990	61	210	0.07 ug/L #	23
17) n-Hexane	0.000		0	N.D.	
18) Methyl-tert-butyl-ether	4.112	73	693	0.10 ug/L	63
19) tert-Butanol (TBA)	4.221	59	3634	6.37 ug/L	97
20) Diisopropyl ether (DIPE)	0.000		0	N.D.	
21) 1,1-Dichloroethane	4.629	63	349	0.08 ug/L #	48
22) Acrylonitrile	0.000		0	N.D.	
23) Ethyl-tert-butyl ether...	0.000		0	N.D.	
24) Vinyl Acetate	0.000		0	N.D.	
25) c-1,2-Dichloroethene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:22:20 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
26) 2,2-Dichloropropane	5.280	77	184	0.06 ug/L #	30
27) Bromochloromethane	0.000		0	N.D.	
28) Chloroform	5.469	83	134	N.D.	
29) Carbon Tetrachloride	0.000		0	N.D.	
30) Tetrahydrofuran	0.000		0	N.D.	
31) 1,1,1-Trichloroethane	5.663	97	119	N.D.	
33) 1,1-Dichloropropene	5.797	75	118	N.D.	
34) 2-Butanone (MEK)	0.000		0	N.D.	
35) Benzene	6.053	78	1287	0.13 ug/L	55
36) tert-Amyl methyl ether...	0.000		0	N.D.	
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.	
38) iso-Butyl Alcohol	6.308	43	565	2.87 ug/L	90
40) Trichloroethene (TCE)	0.000		0	N.D.	
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.	
42) Dibromomethane	0.000		0	N.D.	
43) 1,2-Dichloropropane	0.000		0	N.D.	
44) Bromodichloromethane	0.000		0	N.D.	
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.	
47) c-1,3-Dichloropropene	0.000		0	N.D.	
49) Toluene	8.279	91	1000	0.10 ug/L	84
50) Tetrachloroethene (PCE)	8.717	166	169	0.07 ug/L #	25
51) 4-Methyl-2-Pentanone (...	8.735	43	584	0.19 ug/L #	43
52) t-1,3-Dichloropropene	0.000		0	N.D.	
53) 1,1,2-Trichloroethane	0.000		0	N.D.	
54) Dibromochloromethane	0.000		0	N.D.	
55) 1,3-Dichloropropane	9.228	76	121	N.D.	
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
57) 2-Hexanone	9.593	43	358	0.16 ug/L #	35
58) Chlorobenzene	9.861	112	517	0.08 ug/L #	1
59) Ethylbenzene	9.885	91	966	0.10 ug/L	85
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
61) m,p-Xylenes (2)	10.025	91	1488	0.20 ug/L	88
62) o-Xylene	10.408	91	593	0.08 ug/L	78
63) Styrene	10.457	104	280	N.D.	
64) Bromoform	0.000		0	N.D.	
65) Isopropylbenzene	10.670	105	775	0.09 ug/L	54

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:22:20 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.	
69) n-Propylbenzene	11.017	91	825	0.08 ug/L	90
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
71) 2-Chlorotoluene	11.145	126	118	0.05 ug/L #	78
72) 1,3,5-Trimethylbenzene	11.169	105	410	0.07 ug/L	91
73) 1,2,3-Trichloropropane	0.000		0	N.D.	
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.	
75) 4-Chlorotoluene	11.278	91	466	0.08 ug/L #	45
76) tert-Butylbenzene	11.424	91	291	0.07 ug/L #	83
77) 1,2,4-Trimethylbenzene	11.479	105	455	0.17 ug/L	86
78) sec-Butylbenzene	11.564	105	591	0.07 ug/L	59
79) 4-Isopropyltoluene	11.668	119	453	0.07 ug/L	51
80) 1,3-Dichlorobenzene	11.747	146	249	0.06 ug/L #	25
81) 1,4-Dichlorobenzene	11.808	146	369	0.09 ug/L #	18
82) n-Butylbenzene	11.990	91	257	0.25 ug/L	77
83) 1,2-Dichlorobenzene	12.130	146	296	0.08 ug/L #	25
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
85) Hexachlorobutadiene	0.000		0	N.D.	
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
87) Naphthalene	13.566	128	143	1.13 ug/L	81
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.	

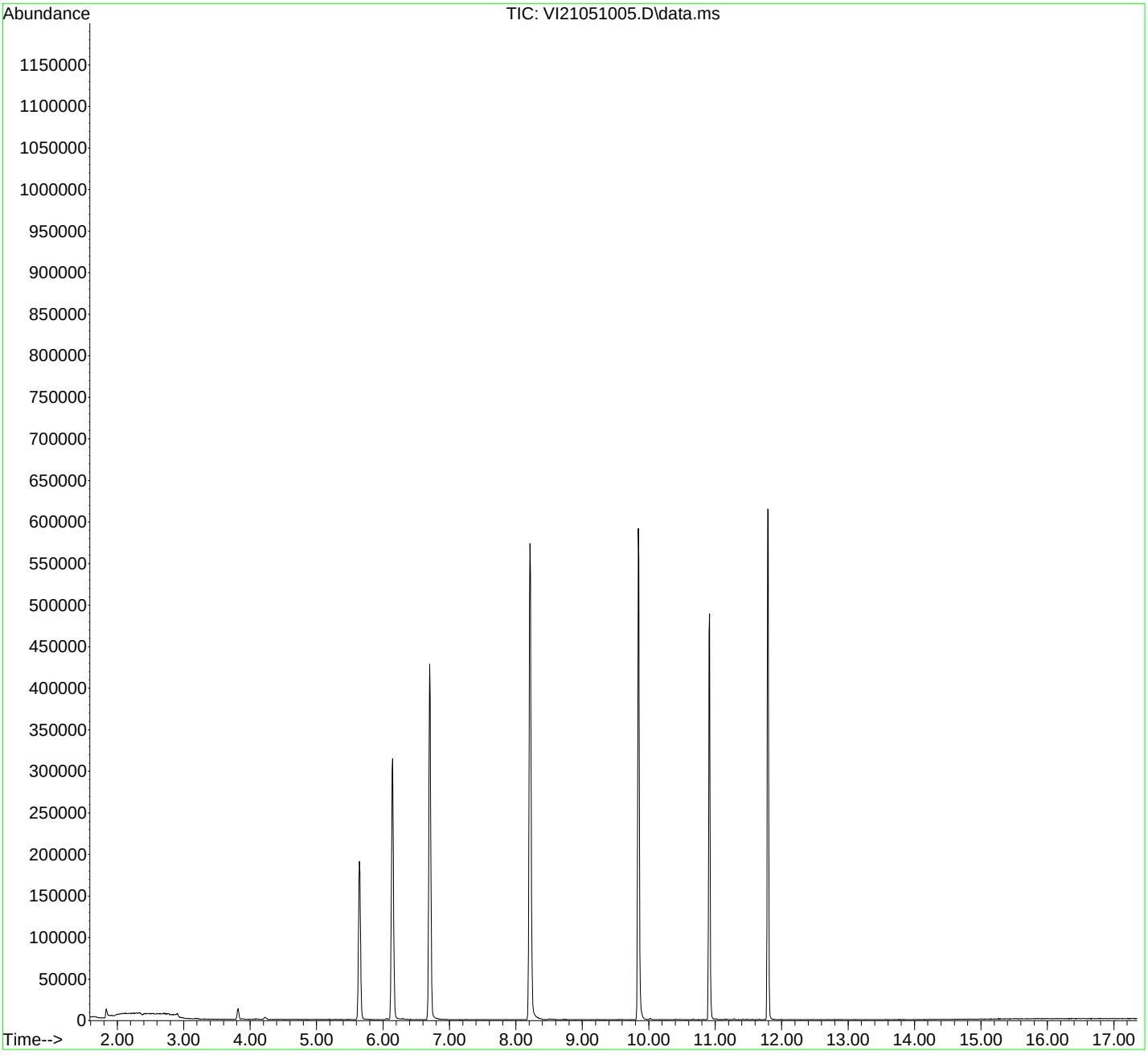
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051005.D
Acq On : 10 May 2021 5:04 pm
Operator : PS
Sample : 1E10062-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:22:20 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:25:05 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	127985	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	331847	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	143542	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	124820	49.83	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.697	114	391059	49.32	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	443544	49.42	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	125133	50.38	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.642	85	152	0.09	ug/L	#	49
3) Chloromethane	1.861	50	592	0.07	ug/L		77
4) Vinyl Chloride	1.958	62	409	0.19	ug/L	#	1
5) Bromomethane	2.317	96	315	0.35	ug/L		75
6) Chloroethane	2.463	64	459	0.22	ug/L	#	47
7) Trichlorofluoromethane	2.615	101	461	0.18	ug/L	#	72
8) Ethanol	3.157	45	944	16.57	ug/L		93
9) 1,1-Dichloroethene	3.175	61	587	0.19	ug/L		86
10) Carbon Disulfide	3.199	76	1164	0.23	ug/L		78
11) Freon 113	3.230	101	212	0.10	ug/L	#	19
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.808	84	5460	2.35	ug/L		85
15) Acetone	3.881	43	1771	1.72	ug/L		97
16) t-1,2-Dichloroethene	3.978	61	485	0.17	ug/L	#	63
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.094	73	1411	0.21	ug/L		89
19) tert-Butanol (TBA)	4.209	59	8002	14.45	ug/L		93
20) Diisopropyl ether (DIPE)	4.489	45	127	N.D.			
21) 1,1-Dichloroethane	4.611	63	865	0.21	ug/L	#	48
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	4.897	43	651	0.14	ug/L		74
25) c-1,2-Dichloroethene	5.170	61	436	0.15	ug/L		98

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:05 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.274	77	489	0.17	ug/L		69
27) Bromochloromethane	5.377	130	124	0.08	ug/L		90
28) Chloroform	5.456	83	786	0.20	ug/L		88
29) Carbon Tetrachloride	5.578	117	385	0.16	ug/L		78
30) Tetrahydrofuran	5.627	42	128	0.11	ug/L	#	54
31) 1,1,1-Trichloroethane	5.657	97	536	0.16	ug/L	#	58
33) 1,1-Dichloropropene	5.791	75	480	0.17	ug/L	#	43
34) 2-Butanone (MEK)	5.785	43	335	0.20	ug/L		52
35) Benzene	6.046	78	2074	0.22	ug/L		80
36) tert-Amyl methyl ether...	6.156	73	247	N.D.			
37) 1,2-Dichloroethane (EDC)	6.265	62	517	0.18	ug/L		54
38) iso-Butyl Alcohol	6.308	43	1220	6.39	ug/L		93
40) Trichloroethene (TCE)	6.667	130	266	0.12	ug/L	#	68
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	7.221	63	353	0.15	ug/L	#	35
44) Bromodichloromethane	7.300	83	479	0.18	ug/L		97
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	8.018	75	479	0.15	ug/L	#	68
49) Toluene	8.267	91	1979	0.20	ug/L		92
50) Tetrachloroethene (PCE)	8.717	166	483	0.22	ug/L		87
51) 4-Methyl-2-Pentanone (...	8.723	43	1356	0.46	ug/L		86
52) t-1,3-Dichloropropene	8.766	75	153	0.05	ug/L	#	45
53) 1,1,2-Trichloroethane	8.930	97	350	0.16	ug/L	#	54
54) Dibromochloromethane	9.119	129	204	0.10	ug/L		93
55) 1,3-Dichloropropane	9.216	76	627	0.17	ug/L	#	81
56) 1,2-Dibromoethane (EDB)	9.356	107	281	0.12	ug/L		98
57) 2-Hexanone	9.593	43	519	0.23	ug/L	#	35
58) Chlorobenzene	9.861	112	1100	0.18	ug/L	#	32
59) Ethylbenzene	9.885	91	1937	0.20	ug/L		90
60) 1,1,1,2-Tetrachloroethane	9.922	131	293	0.15	ug/L	#	28
61) m,p-Xylenes (2)	10.019	91	2898	0.40	ug/L		97
62) o-Xylene	10.408	91	1348	0.18	ug/L		91
63) Styrene	10.457	104	775	0.14	ug/L		76
64) Bromoform	10.475	173	115	0.09	ug/L	#	36
65) Isopropylbenzene	10.670	105	1588	0.19	ug/L		88

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:05 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.992	156	411	0.17	ug/L		82
69) n-Propylbenzene	11.017	91	1765	0.19	ug/L		88
70) 1,1,2,2-Tetrachloroethane	11.084	85	358	0.17	ug/L		87
71) 2-Chlorotoluene	11.144	126	310	0.15	ug/L	#	91
72) 1,3,5-Trimethylbenzene	11.169	105	1026	0.18	ug/L		95
73) 1,2,3-Trichloropropane	0.000		0	N.D.			
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.			
75) 4-Chlorotoluene	11.284	91	1149	0.20	ug/L		88
76) tert-Butylbenzene	11.418	91	616	0.17	ug/L		84
77) 1,2,4-Trimethylbenzene	11.479	105	990	0.26	ug/L		90
78) sec-Butylbenzene	11.558	105	1284	0.17	ug/L		59
79) 4-Isopropyltoluene	11.668	119	919	0.16	ug/L		90
80) 1,3-Dichlorobenzene	11.741	146	679	0.18	ug/L		90
81) 1,4-Dichlorobenzene	11.808	146	774	0.19	ug/L	#	70
82) n-Butylbenzene	11.990	91	703	0.34	ug/L		80
83) 1,2-Dichlorobenzene	12.124	146	634	0.17	ug/L		85
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
85) Hexachlorobutadiene	0.000		0	N.D.			
86) 1,2,4-Trichlorobenzene	13.280	180	126	0.63	ug/L		80
87) Naphthalene	13.560	128	552	1.23	ug/L		81
88) 1,2,3-Trichlorobenzene	13.712	180	184	0.60	ug/L	#	11

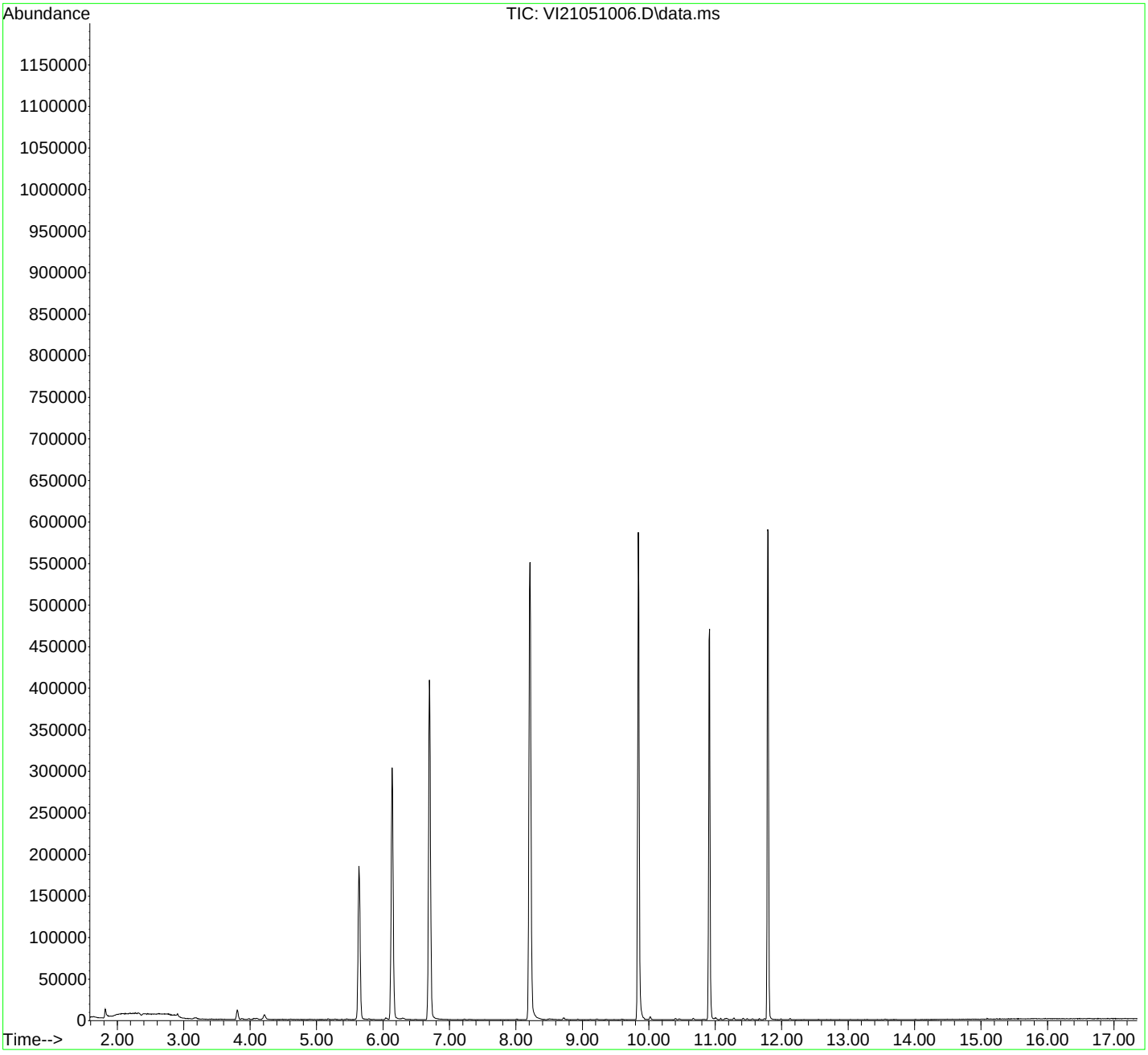
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:05 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

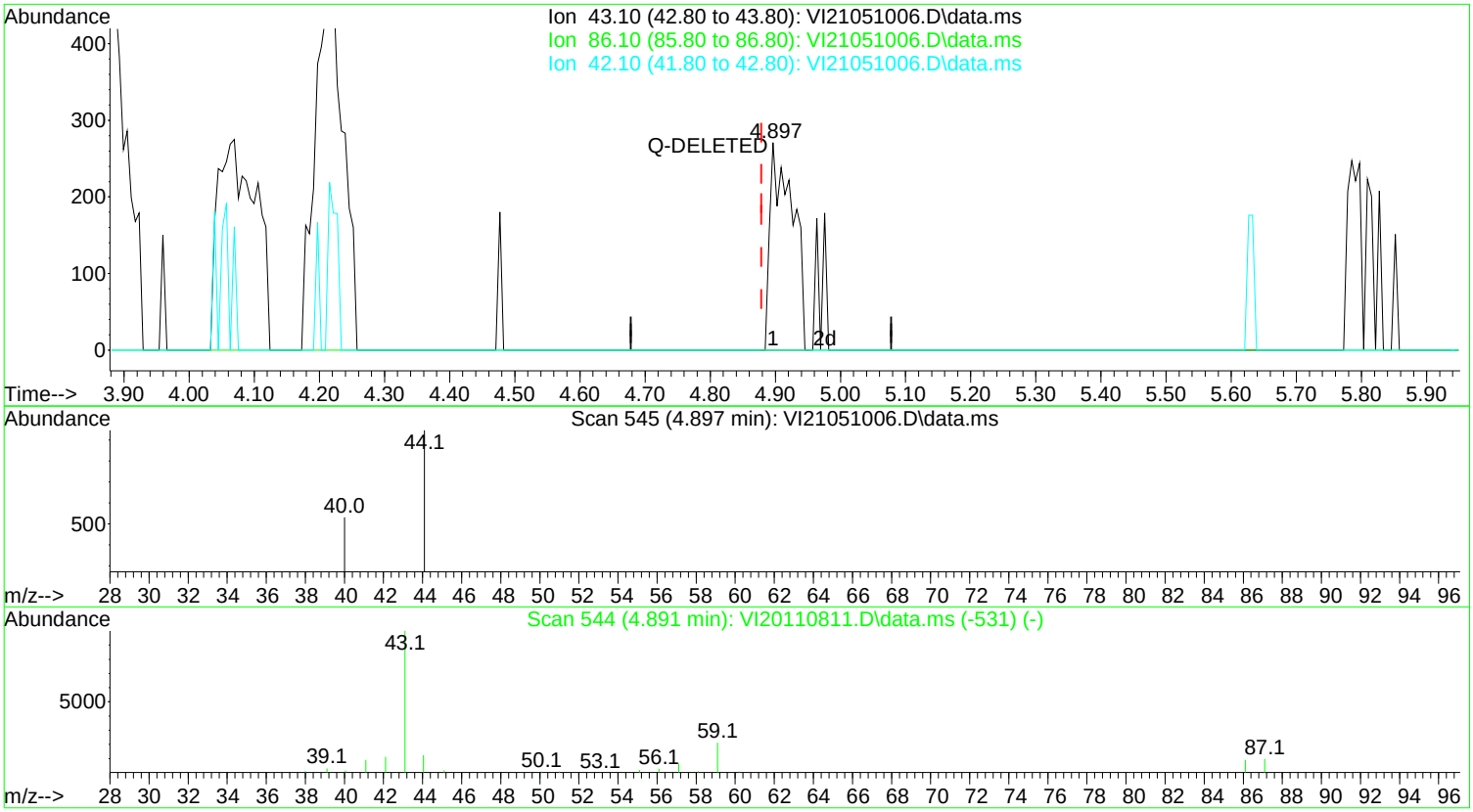


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:05 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



TIC: VI21051006.D\data.ms

(24) Vinyl Acetate

4.897min (+ 0.018) 0.14 ug/L

response 651

Ion	Exp%	Act%
43.10	100.00	100.00
86.10	8.70	0.00
42.10	10.10	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:25:45 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	127985	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	331847	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	143542	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	124820	49.83	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.697	114	391059	49.32	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	443544	49.42	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	125133	50.38	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.642	85	152	0.09	ug/L	#	49
3) Chloromethane	1.861	50	592	0.07	ug/L		77
4) Vinyl Chloride	1.958	62	409	0.19	ug/L	#	1
5) Bromomethane	2.317	96	315	0.35	ug/L		75
6) Chloroethane	2.463	64	459	0.22	ug/L	#	47
7) Trichlorofluoromethane	2.615	101	461	0.18	ug/L	#	72
8) Ethanol	3.157	45	944	16.57	ug/L		93
9) 1,1-Dichloroethene	3.175	61	587	0.19	ug/L		86
10) Carbon Disulfide	3.199	76	1164	0.23	ug/L		78
11) Freon 113	3.230	101	212	0.10	ug/L	#	19
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.808	84	5460	2.35	ug/L		85
15) Acetone	3.881	43	1771	1.72	ug/L		97
16) t-1,2-Dichloroethene	3.978	61	485	0.17	ug/L	#	63
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.094	73	1411	0.21	ug/L		89
19) tert-Butanol (TBA)	4.209	59	8002	14.45	ug/L		93
20) Diisopropyl ether (DIPE)	4.489	45	127	N.D.			
21) 1,1-Dichloroethane	4.611	63	865	0.21	ug/L	#	48
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	0.000		0	N.D.	d		
25) c-1,2-Dichloroethene	5.170	61	436	0.15	ug/L		98

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
26) 2,2-Dichloropropane	5.274	77	489	0.17 ug/L	69
27) Bromochloromethane	5.377	130	124	0.08 ug/L	90
28) Chloroform	5.456	83	786	0.20 ug/L	88
29) Carbon Tetrachloride	5.578	117	385	0.16 ug/L	78
30) Tetrahydrofuran	5.627	42	128	0.11 ug/L #	54
31) 1,1,1-Trichloroethane	5.657	97	536	0.16 ug/L #	58
33) 1,1-Dichloropropene	5.791	75	480	0.17 ug/L #	43
34) 2-Butanone (MEK)	5.785	43	335	0.20 ug/L	52
35) Benzene	6.046	78	2074	0.22 ug/L	80
36) tert-Amyl methyl ether...	6.156	73	247	N.D.	
37) 1,2-Dichloroethane (EDC)	6.265	62	517	0.18 ug/L	54
38) iso-Butyl Alcohol	6.308	43	1220	6.39 ug/L	93
40) Trichloroethene (TCE)	6.667	130	266	0.12 ug/L #	68
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.	
42) Dibromomethane	0.000		0	N.D.	
43) 1,2-Dichloropropane	7.221	63	353	0.15 ug/L #	35
44) Bromodichloromethane	7.300	83	479	0.18 ug/L	97
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.	
47) c-1,3-Dichloropropene	8.018	75	479	0.15 ug/L #	68
49) Toluene	8.267	91	1979	0.20 ug/L	92
50) Tetrachloroethene (PCE)	8.717	166	483	0.22 ug/L	87
51) 4-Methyl-2-Pentanone (...	8.723	43	1356	0.46 ug/L	86
52) t-1,3-Dichloropropene	8.766	75	153	0.05 ug/L #	45
53) 1,1,2-Trichloroethane	8.930	97	350	0.16 ug/L #	54
54) Dibromochloromethane	9.119	129	204	0.10 ug/L	93
55) 1,3-Dichloropropane	9.216	76	627	0.17 ug/L #	81
56) 1,2-Dibromoethane (EDB)	9.356	107	281	0.12 ug/L	98
57) 2-Hexanone	9.593	43	519	0.23 ug/L #	35
58) Chlorobenzene	9.861	112	1100	0.18 ug/L #	32
59) Ethylbenzene	9.885	91	1937	0.20 ug/L	90
60) 1,1,1,2-Tetrachloroethane	9.922	131	293	0.15 ug/L #	28
61) m,p-Xylenes (2)	10.019	91	2898	0.40 ug/L	97
62) o-Xylene	10.408	91	1348	0.18 ug/L	91
63) Styrene	10.457	104	775	0.14 ug/L	76
64) Bromoform	10.475	173	115	0.09 ug/L #	36
65) Isopropylbenzene	10.670	105	1588	0.19 ug/L	88

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Bromobenzene	10.992	156	411	0.17 ug/L	82
69) n-Propylbenzene	11.017	91	1765	0.19 ug/L	88
70) 1,1,2,2-Tetrachloroethane	11.084	85	358	0.17 ug/L	87
71) 2-Chlorotoluene	11.144	126	310	0.15 ug/L #	91
72) 1,3,5-Trimethylbenzene	11.169	105	1026	0.18 ug/L	95
73) 1,2,3-Trichloropropane	0.000		0	N.D.	
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.	
75) 4-Chlorotoluene	11.284	91	1149	0.20 ug/L	88
76) tert-Butylbenzene	11.418	91	616	0.17 ug/L	84
77) 1,2,4-Trimethylbenzene	11.479	105	990	0.26 ug/L	90
78) sec-Butylbenzene	11.558	105	1284	0.17 ug/L	59
79) 4-Isopropyltoluene	11.668	119	919	0.16 ug/L	90
80) 1,3-Dichlorobenzene	11.741	146	679	0.18 ug/L	90
81) 1,4-Dichlorobenzene	11.808	146	774	0.19 ug/L #	70
82) n-Butylbenzene	11.990	91	703	0.34 ug/L	80
83) 1,2-Dichlorobenzene	12.124	146	634	0.17 ug/L	85
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
85) Hexachlorobutadiene	0.000		0	N.D.	
86) 1,2,4-Trichlorobenzene	13.280	180	126	0.63 ug/L	80
87) Naphthalene	13.560	128	552	1.23 ug/L	81
88) 1,2,3-Trichlorobenzene	13.712	180	184	0.60 ug/L #	11

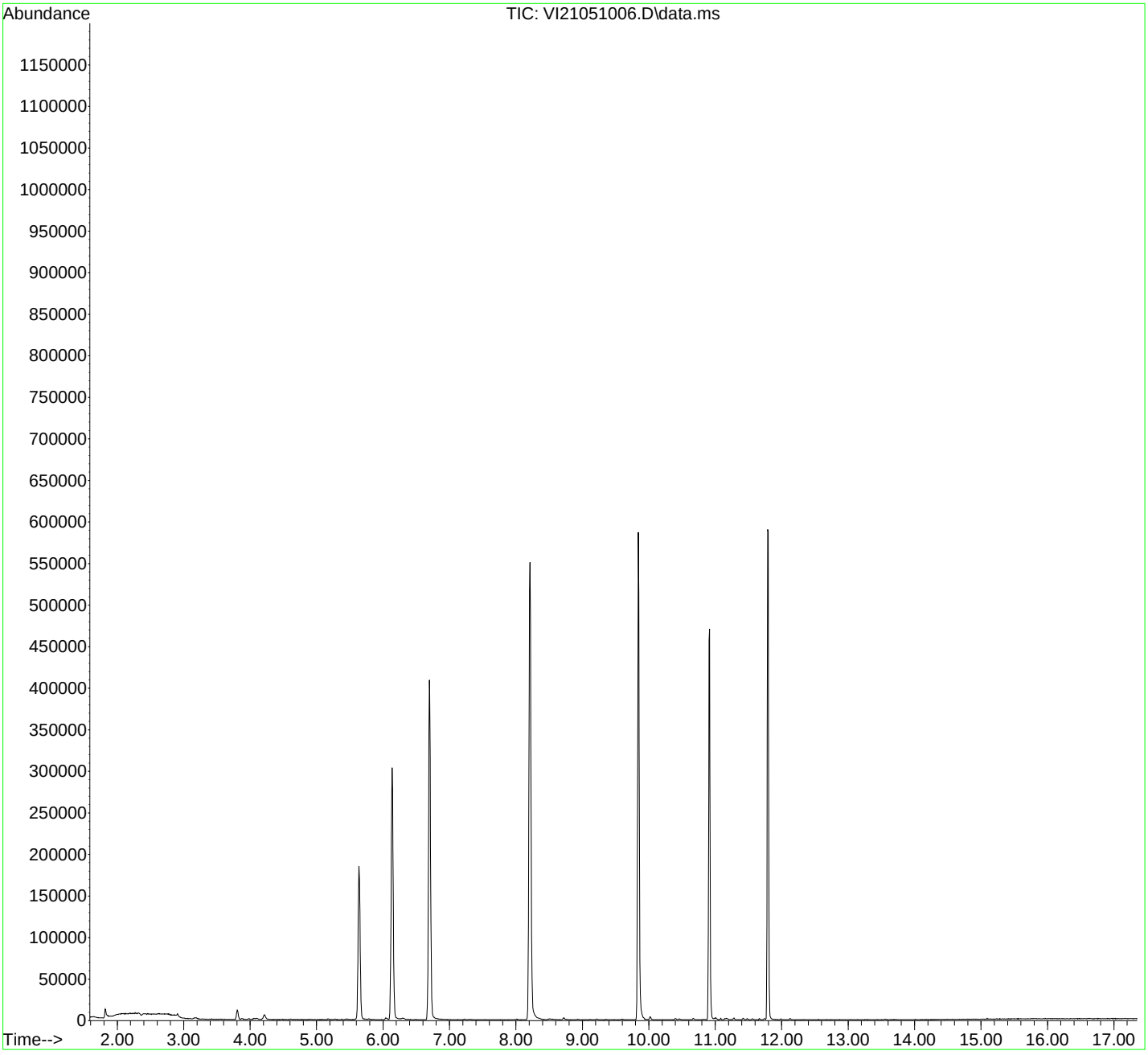
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051006.D
Acq On : 10 May 2021 5:31 pm
Operator : PS
Sample : 1E10062-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:25:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:27:13 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129323	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	337437	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	148444	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	126743	50.07	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	396825	49.52	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	454633	49.82	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	129290	50.34	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	422	0.20	ug/L		80
3) Chloromethane	1.873	50	1168	0.27	ug/L		87
4) Vinyl Chloride	1.964	62	864	0.39	ug/L	#	1
5) Bromomethane	2.329	96	448	0.49	ug/L		70
6) Chloroethane	2.475	64	486	0.25	ug/L	#	47
7) Trichlorofluoromethane	2.640	101	941	0.36	ug/L		81
8) Ethanol	3.169	45	1548	26.90	ug/L		97
9) 1,1-Dichloroethene	3.187	61	1180	0.39	ug/L		95
10) Carbon Disulfide	3.205	76	2077	0.41	ug/L		78
11) Freon 113	3.242	101	741	0.36	ug/L		89
12) Iodomethane	3.339	142	313	0.38	ug/L	#	47
13) Acrolein	3.576	56	125	0.19	ug/L	#	35
14) Methylene Chloride	3.814	84	7315	3.11	ug/L		85
15) Acetone	3.881	43	2064	1.98	ug/L		98
16) t-1,2-Dichloroethene	3.978	61	1135	0.39	ug/L		87
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.106	73	2748	0.40	ug/L		95
19) tert-Butanol (TBA)	4.221	59	14430	25.79	ug/L		85
20) Diisopropyl ether (DIPE)	4.501	45	594	0.10	ug/L		59
21) 1,1-Dichloroethane	4.623	63	1615	0.39	ug/L		89
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	4.866	59	598	0.10	ug/L	#	38
24) Vinyl Acetate	4.909	43	1589	0.35	ug/L		74
25) c-1,2-Dichloroethene	5.183	61	1121	0.39	ug/L		96

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:27:13 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	1008	0.34	ug/L		82
27) Bromochloromethane	5.377	130	416	0.27	ug/L		92
28) Chloroform	5.462	83	1490	0.38	ug/L		95
29) Carbon Tetrachloride	5.590	117	969	0.40	ug/L		87
30) Tetrahydrofuran	5.639	42	562	0.49	ug/L	#	70
31) 1,1,1-Trichloroethane	5.663	97	1314	0.39	ug/L		95
33) 1,1-Dichloropropene	5.797	75	1100	0.38	ug/L		89
34) 2-Butanone (MEK)	5.797	43	1443	0.85	ug/L		87
35) Benzene	6.053	78	3867	0.41	ug/L		98
36) tert-Amyl methyl ether...	6.174	73	717	0.11	ug/L	#	20
37) 1,2-Dichloroethane (EDC)	6.265	62	1256	0.44	ug/L		89
38) iso-Butyl Alcohol	6.302	43	2251	11.66	ug/L		88
40) Trichloroethene (TCE)	6.673	130	804	0.35	ug/L		90
41) Tert-Amyl-Ethyl-Ether ...	6.916	59	203	0.05	ug/L	#	33
42) Dibromomethane	7.123	93	480	0.32	ug/L		87
43) 1,2-Dichloropropane	7.233	63	855	0.37	ug/L	#	35
44) Bromodichloromethane	7.306	83	956	0.35	ug/L		92
46) 2-Chloroethyl Vinyl Ether	7.963	63	208	0.13	ug/L	#	100
47) c-1,3-Dichloropropene	8.011	75	930	0.28	ug/L		81
49) Toluene	8.273	91	3809	0.38	ug/L		92
50) Tetrachloroethene (PCE)	8.717	166	861	0.38	ug/L		87
51) 4-Methyl-2-Pentanone (...	8.723	43	2154	0.72	ug/L		92
52) t-1,3-Dichloropropene	8.772	75	753	0.25	ug/L	#	45
53) 1,1,2-Trichloroethane	8.936	97	743	0.34	ug/L		93
54) Dibromochloromethane	9.119	129	604	0.29	ug/L		93
55) 1,3-Dichloropropane	9.222	76	1232	0.34	ug/L		88
56) 1,2-Dibromoethane (EDB)	9.362	107	752	0.31	ug/L		90
57) 2-Hexanone	9.587	43	1459	0.65	ug/L		90
58) Chlorobenzene	9.861	112	2204	0.35	ug/L	#	50
59) Ethylbenzene	9.885	91	3697	0.37	ug/L		96
60) 1,1,1,2-Tetrachloroethane	9.928	131	608	0.31	ug/L		89
61) m,p-Xylenes (2)	10.019	91	5077	0.69	ug/L		98
62) o-Xylene	10.402	91	2565	0.34	ug/L		95
63) Styrene	10.457	104	1592	0.28	ug/L		93
64) Bromoform	10.481	173	411	0.31	ug/L	#	36
65) Isopropylbenzene	10.670	105	2917	0.35	ug/L		95

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:27:13 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.998	156	808	0.33	ug/L		89
69) n-Propylbenzene	11.017	91	3292	0.34	ug/L		94
70) 1,1,2,2-Tetrachloroethane	11.078	85	704	0.33	ug/L	#	75
71) 2-Chlorotoluene	11.144	126	590	0.28	ug/L	#	84
72) 1,3,5-Trimethylbenzene	11.169	105	1978	0.34	ug/L		91
73) 1,2,3-Trichloropropane	11.187	110	232	0.22	ug/L	#	66
74) t-1,4-Dichloro-2-butene	11.230	53	187	0.26	ug/L	#	31
75) 4-Chlorotoluene	11.278	91	1926	0.32	ug/L		88
76) tert-Butylbenzene	11.424	91	1278	0.33	ug/L		96
77) 1,2,4-Trimethylbenzene	11.479	105	1907	0.41	ug/L		98
78) sec-Butylbenzene	11.558	105	2430	0.31	ug/L		94
79) 4-Isopropyltoluene	11.668	119	1834	0.30	ug/L		96
80) 1,3-Dichlorobenzene	11.741	146	1322	0.33	ug/L		93
81) 1,4-Dichlorobenzene	11.802	146	1548	0.37	ug/L	#	51
82) n-Butylbenzene	11.990	91	1328	0.46	ug/L		95
83) 1,2-Dichlorobenzene	12.124	146	1237	0.32	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
85) Hexachlorobutadiene	0.000		0	N.D.			
86) 1,2,4-Trichlorobenzene	13.280	180	437	0.93	ug/L		83
87) Naphthalene	13.560	128	1161	1.37	ug/L		81
88) 1,2,3-Trichlorobenzene	13.718	180	376	0.78	ug/L		84

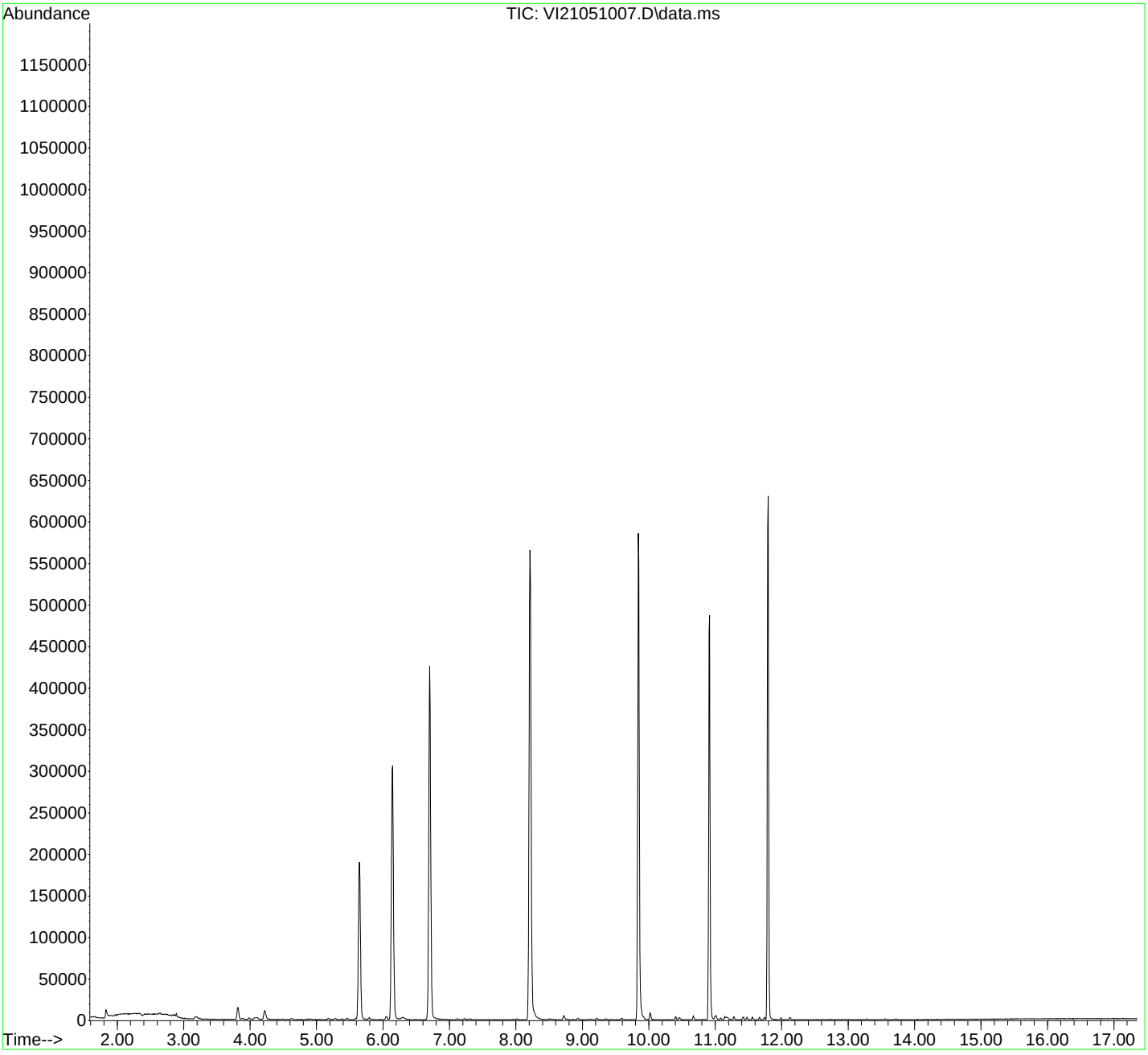
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:27:13 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

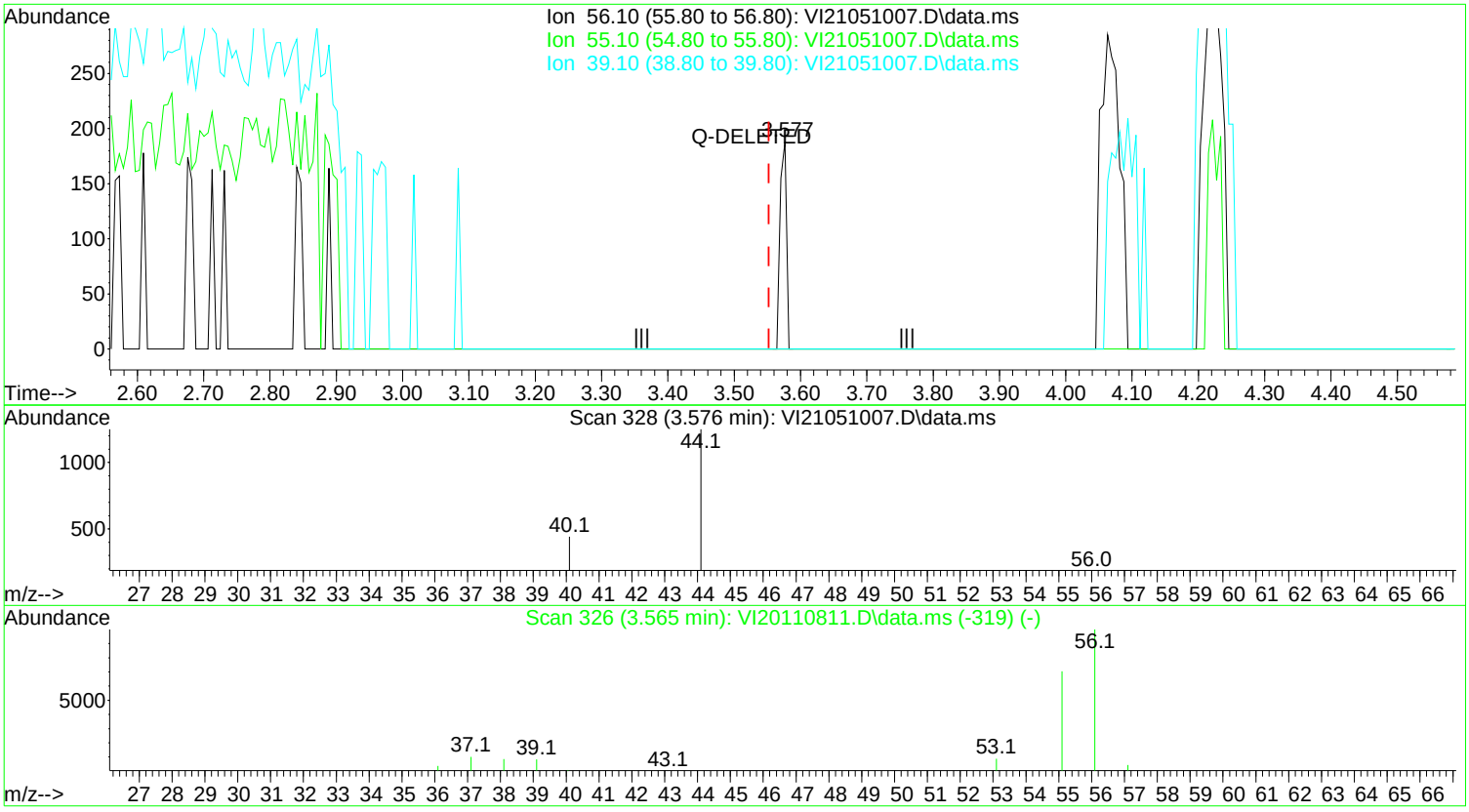


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:27:13 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



TIC: VI21051007.D\data.ms

(13) Acrolein

3.576min (+ 0.024) 0.19 ug/L

response 125

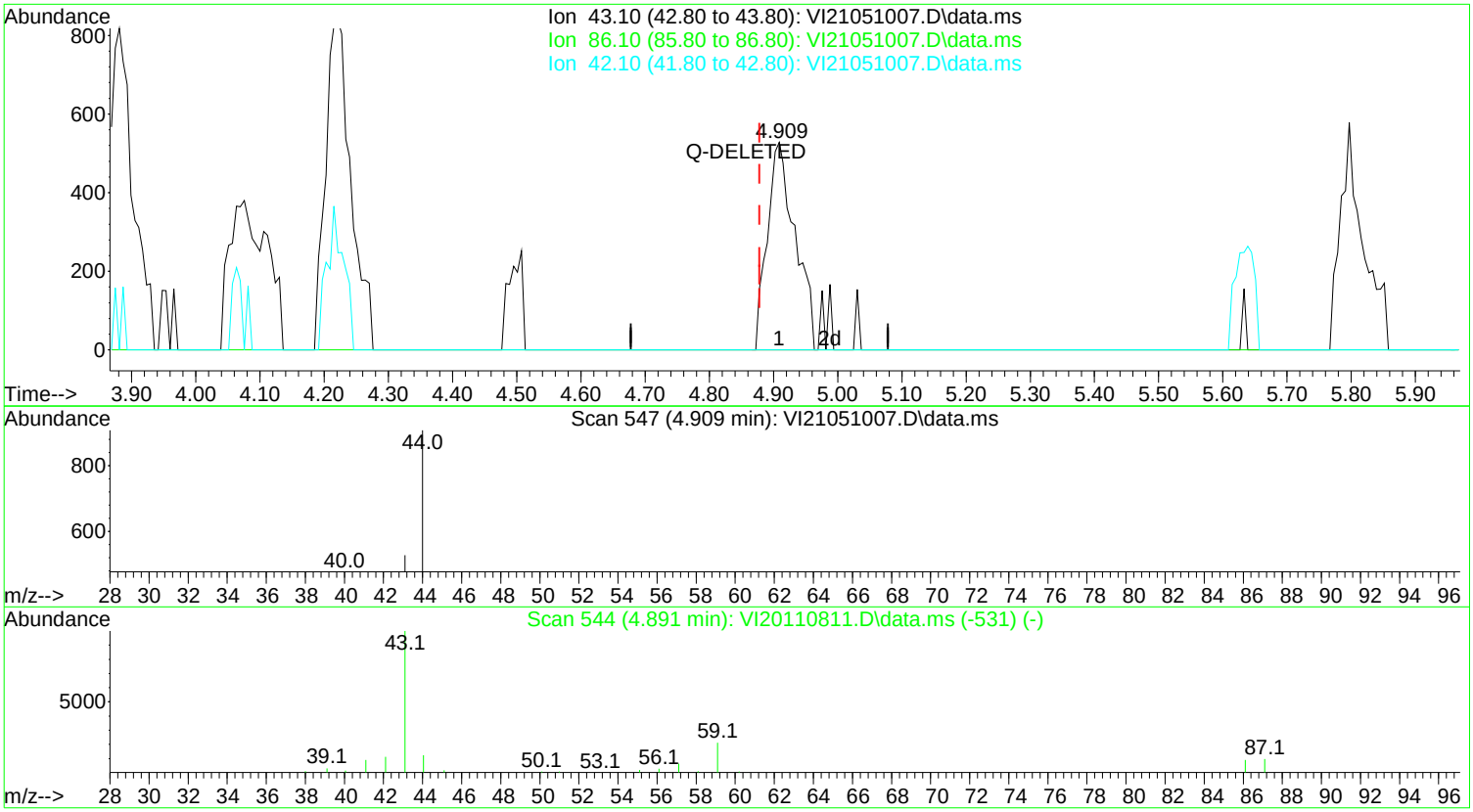
Ion	Exp%	Act%
56.10	100.00	100.00
55.10	49.50	0.00#
39.10	10.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:27:13 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



TIC: VI21051007.D\data.ms

(24) Vinyl Acetate

4.909min (+ 0.030) 0.35 ug/L

response 1589

Ion	Exp%	Act%
43.10	100.00	100.00
86.10	8.70	0.00
42.10	10.10	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:28:21 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129323	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	337437	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	148444	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	126743	50.07	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	396825	49.52	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	454633	49.82	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	129290	50.34	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	422	0.20	ug/L		80
3) Chloromethane	1.873	50	1168	0.27	ug/L		87
4) Vinyl Chloride	1.964	62	864	0.39	ug/L	#	1
5) Bromomethane	2.329	96	448	0.49	ug/L		70
6) Chloroethane	2.475	64	486	0.25	ug/L	#	47
7) Trichlorofluoromethane	2.640	101	941	0.36	ug/L		81
8) Ethanol	3.169	45	1548	26.90	ug/L		97
9) 1,1-Dichloroethene	3.187	61	1180	0.39	ug/L		95
10) Carbon Disulfide	3.205	76	2077	0.41	ug/L		78
11) Freon 113	3.242	101	741	0.36	ug/L		89
12) Iodomethane	3.339	142	313	0.38	ug/L	#	47
13) Acrolein	3.576	56	125	0.19	ug/L	#	35
14) Methylene Chloride	3.814	84	7315	3.11	ug/L		85
15) Acetone	3.881	43	2064	1.98	ug/L		98
16) t-1,2-Dichloroethene	3.978	61	1135	0.39	ug/L		87
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.106	73	2748	0.40	ug/L		95
19) tert-Butanol (TBA)	4.221	59	14430	25.79	ug/L		85
20) Diisopropyl ether (DIPE)	4.501	45	594	0.10	ug/L		59
21) 1,1-Dichloroethane	4.623	63	1615	0.39	ug/L		89
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	4.866	59	598	0.10	ug/L	#	38
24) Vinyl Acetate	0.000		0	N.D. d			
25) c-1,2-Dichloroethene	5.183	61	1121	0.39	ug/L		96

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:28:21 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	1008	0.34	ug/L		82
27) Bromochloromethane	5.377	130	416	0.27	ug/L		92
28) Chloroform	5.462	83	1490	0.38	ug/L		95
29) Carbon Tetrachloride	5.590	117	969	0.40	ug/L		87
30) Tetrahydrofuran	5.639	42	562	0.49	ug/L	#	70
31) 1,1,1-Trichloroethane	5.663	97	1314	0.39	ug/L		95
33) 1,1-Dichloropropene	5.797	75	1100	0.38	ug/L		89
34) 2-Butanone (MEK)	5.797	43	1443	0.85	ug/L		87
35) Benzene	6.053	78	3867	0.41	ug/L		98
36) tert-Amyl methyl ether...	6.174	73	717	0.11	ug/L	#	20
37) 1,2-Dichloroethane (EDC)	6.265	62	1256	0.44	ug/L		89
38) iso-Butyl Alcohol	6.302	43	2251	11.66	ug/L		88
40) Trichloroethene (TCE)	6.673	130	804	0.35	ug/L		90
41) Tert-Amyl-Ethyl-Ether ...	6.916	59	203	0.05	ug/L	#	33
42) Dibromomethane	7.123	93	480	0.32	ug/L		87
43) 1,2-Dichloropropane	7.233	63	855	0.37	ug/L	#	35
44) Bromodichloromethane	7.306	83	956	0.35	ug/L		92
46) 2-Chloroethyl Vinyl Ether	7.963	63	208	0.13	ug/L	#	100
47) c-1,3-Dichloropropene	8.011	75	930	0.28	ug/L		81
49) Toluene	8.273	91	3809	0.38	ug/L		92
50) Tetrachloroethene (PCE)	8.717	166	861	0.38	ug/L		87
51) 4-Methyl-2-Pentanone (...	8.723	43	2154	0.72	ug/L		92
52) t-1,3-Dichloropropene	8.772	75	753	0.25	ug/L	#	45
53) 1,1,2-Trichloroethane	8.936	97	743	0.34	ug/L		93
54) Dibromochloromethane	9.119	129	604	0.29	ug/L		93
55) 1,3-Dichloropropane	9.222	76	1232	0.34	ug/L		88
56) 1,2-Dibromoethane (EDB)	9.362	107	752	0.31	ug/L		90
57) 2-Hexanone	9.587	43	1459	0.65	ug/L		90
58) Chlorobenzene	9.861	112	2204	0.35	ug/L	#	50
59) Ethylbenzene	9.885	91	3697	0.37	ug/L		96
60) 1,1,1,2-Tetrachloroethane	9.928	131	608	0.31	ug/L		89
61) m,p-Xylenes (2)	10.019	91	5077	0.69	ug/L		98
62) o-Xylene	10.402	91	2565	0.34	ug/L		95
63) Styrene	10.457	104	1592	0.28	ug/L		93
64) Bromoform	10.481	173	411	0.31	ug/L	#	36
65) Isopropylbenzene	10.670	105	2917	0.35	ug/L		95

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:28:21 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
68) Bromobenzene	10.998	156	808	0.33 ug/L	89
69) n-Propylbenzene	11.017	91	3292	0.34 ug/L	94
70) 1,1,2,2-Tetrachloroethane	11.078	85	704	0.33 ug/L #	75
71) 2-Chlorotoluene	11.144	126	590	0.28 ug/L #	84
72) 1,3,5-Trimethylbenzene	11.169	105	1978	0.34 ug/L	91
73) 1,2,3-Trichloropropane	11.187	110	232	0.22 ug/L #	66
74) t-1,4-Dichloro-2-butene	11.230	53	187	0.26 ug/L #	31
75) 4-Chlorotoluene	11.278	91	1926	0.32 ug/L	88
76) tert-Butylbenzene	11.424	91	1278	0.33 ug/L	96
77) 1,2,4-Trimethylbenzene	11.479	105	1907	0.41 ug/L	98
78) sec-Butylbenzene	11.558	105	2430	0.31 ug/L	94
79) 4-Isopropyltoluene	11.668	119	1834	0.30 ug/L	96
80) 1,3-Dichlorobenzene	11.741	146	1322	0.33 ug/L	93
81) 1,4-Dichlorobenzene	11.802	146	1548	0.37 ug/L #	51
82) n-Butylbenzene	11.990	91	1328	0.46 ug/L	95
83) 1,2-Dichlorobenzene	12.124	146	1237	0.32 ug/L	98
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	
85) Hexachlorobutadiene	0.000		0	N.D.	
86) 1,2,4-Trichlorobenzene	13.280	180	437	0.93 ug/L	83
87) Naphthalene	13.560	128	1161	1.37 ug/L	81
88) 1,2,3-Trichlorobenzene	13.718	180	376	0.78 ug/L	84

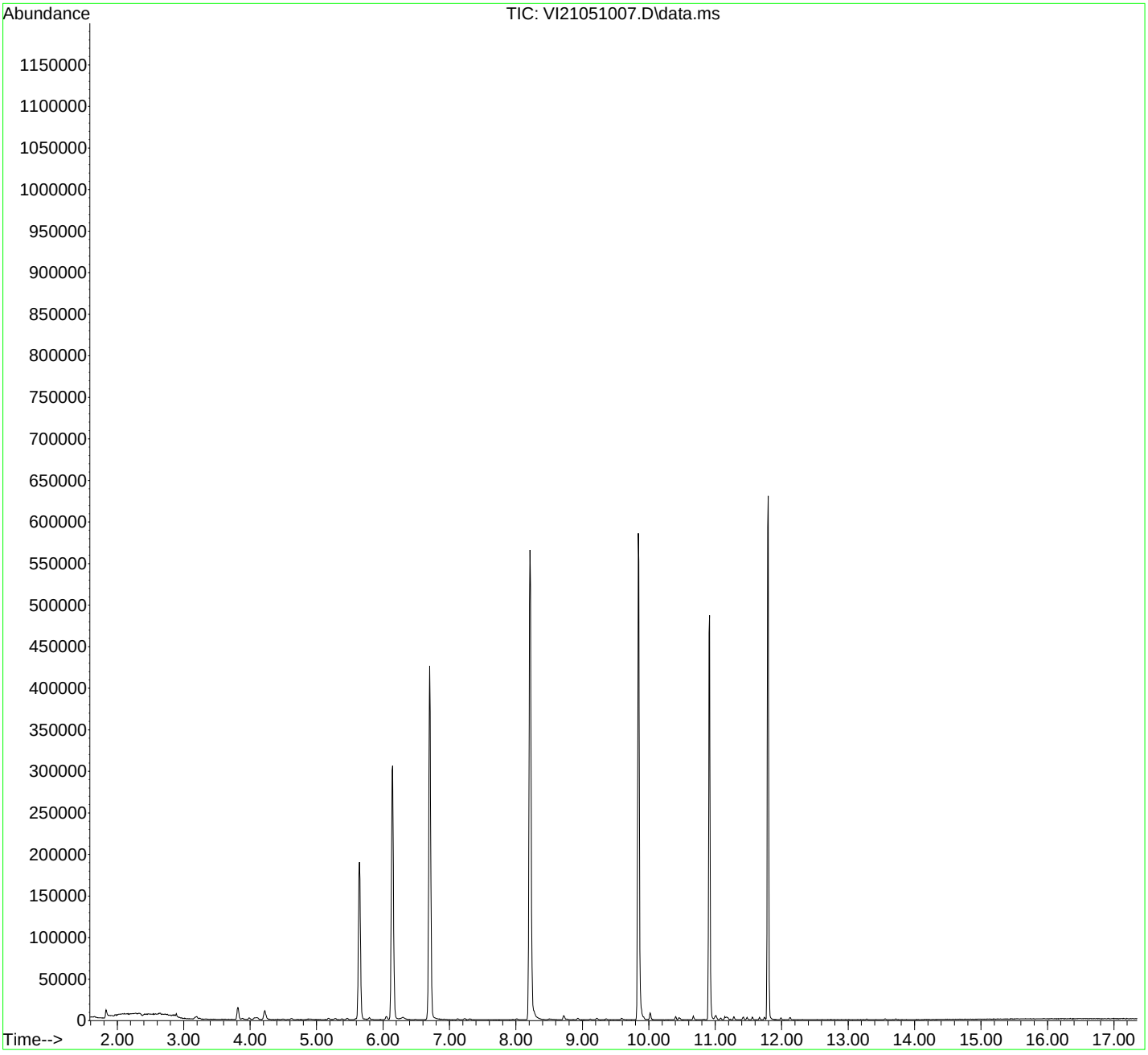
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051007.D
Acq On : 10 May 2021 5:58 pm
Operator : PS
Sample : 1E10062-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:28:21 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	126301	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	333123	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	146472	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	123760	50.07	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	387968	49.58	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	443418	49.22	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	125913	49.68	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	1204	0.55	ug/L		82
3) Chloromethane	1.867	50	2275	0.66	ug/L		95
4) Vinyl Chloride	1.964	62	2109	0.97	ug/L	#	1
5) Bromomethane	2.323	96	1272	1.42	ug/L		97
6) Chloroethane	2.475	64	1940	2.28	ug/L	#	57
7) Trichlorofluoromethane	2.628	101	2447	0.95	ug/L		93
8) Ethanol	3.169	45	3649	64.92	ug/L		99
9) 1,1-Dichloroethene	3.187	61	2963	0.99	ug/L		97
10) Carbon Disulfide	3.205	76	4811	0.96	ug/L		96
11) Freon 113	3.236	101	1868	0.92	ug/L		89
12) Iodomethane	3.333	142	1019	1.26	ug/L	#	80
13) Acrolein	3.564	56	537	0.85	ug/L		80
14) Methylene Chloride	3.814	84	9001	3.92	ug/L		91
15) Acetone	3.875	43	3227	3.17	ug/L		99
16) t-1,2-Dichloroethene	3.984	61	2892	1.03	ug/L		92
17) n-Hexane	4.069	86	213	0.54	ug/L	#	72
18) Methyl-tert-butyl-ether	4.100	73	6572	0.99	ug/L		86
19) tert-Butanol (TBA)	4.215	59	38763	70.94	ug/L		88
20) Diisopropyl ether (DIPE)	4.489	45	1562	0.26	ug/L		95
21) 1,1-Dichloroethane	4.623	63	3890	0.96	ug/L		94
22) Acrylonitrile	4.690	53	706	0.60	ug/L		85
23) Ethyl-tert-butyl ether...	4.872	59	1573	0.27	ug/L		94
24) Vinyl Acetate	4.897	43	4231	0.95	ug/L		87
25) c-1,2-Dichloroethene	5.177	61	2751	0.97	ug/L		91

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	2663	0.91	ug/L		99
27) Bromochloromethane	5.377	130	1382	0.90	ug/L		95
28) Chloroform	5.456	83	3726	0.97	ug/L		94
29) Carbon Tetrachloride	5.590	117	2408	1.01	ug/L		97
30) Tetrahydrofuran	5.627	42	1229	1.09	ug/L		97
31) 1,1,1-Trichloroethane	5.663	97	3130	0.96	ug/L		98
33) 1,1-Dichloropropene	5.797	75	2721	0.97	ug/L		96
34) 2-Butanone (MEK)	5.785	43	3283	1.99	ug/L		92
35) Benzene	6.046	78	8928	0.97	ug/L		95
36) tert-Amyl methyl ether...	6.174	73	1724	0.28	ug/L		92
37) 1,2-Dichloroethane (EDC)	6.265	62	2891	1.03	ug/L		85
38) iso-Butyl Alcohol	6.302	43	5540	29.39	ug/L		96
40) Trichloroethene (TCE)	6.667	130	2218	1.00	ug/L		91
41) Tert-Amyl-Ethyl-Ether ...	6.916	59	991	0.25	ug/L		75
42) Dibromomethane	7.129	93	1345	0.91	ug/L		93
43) 1,2-Dichloropropane	7.233	63	2133	0.94	ug/L		90
44) Bromodichloromethane	7.306	83	2683	1.02	ug/L		91
46) 2-Chloroethyl Vinyl Ether	7.957	63	1067	0.70	ug/L	#	100
47) c-1,3-Dichloropropene	8.011	75	2696	0.82	ug/L		96
49) Toluene	8.273	91	8991	0.91	ug/L		96
50) Tetrachloroethene (PCE)	8.717	166	2233	1.00	ug/L		98
51) 4-Methyl-2-Pentanone (...	8.723	43	5892	1.99	ug/L		95
52) t-1,3-Dichloropropene	8.766	75	2181	0.72	ug/L		97
53) 1,1,2-Trichloroethane	8.936	97	2006	0.92	ug/L		87
54) Dibromochloromethane	9.113	129	1898	0.92	ug/L		95
55) 1,3-Dichloropropane	9.216	76	3383	0.93	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.356	107	1935	0.81	ug/L		94
57) 2-Hexanone	9.587	43	3884	1.75	ug/L		95
58) Chlorobenzene	9.861	112	5746	0.93	ug/L		85
59) Ethylbenzene	9.885	91	9585	0.97	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	1783	0.93	ug/L		81
61) m,p-Xylenes (2)	10.019	91	13234	1.83	ug/L		97
62) o-Xylene	10.402	91	6786	0.92	ug/L		99
63) Styrene	10.451	104	4424	0.80	ug/L		92
64) Bromoform	10.475	173	1256	0.96	ug/L		93
65) Isopropylbenzene	10.670	105	7579	0.91	ug/L		98

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.999	156	2319	0.96	ug/L		83
69) n-Propylbenzene	11.017	91	8551	0.88	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.078	85	2009	0.94	ug/L		90
71) 2-Chlorotoluene	11.145	126	1711	0.82	ug/L		97
72) 1,3,5-Trimethylbenzene	11.169	105	5378	0.93	ug/L		95
73) 1,2,3-Trichloropropane	11.187	110	1019	0.99	ug/L	#	85
74) t-1,4-Dichloro-2-butene	11.224	53	519	0.73	ug/L	#	52
75) 4-Chlorotoluene	11.278	91	5359	0.89	ug/L		98
76) tert-Butylbenzene	11.418	91	3335	0.88	ug/L		92
77) 1,2,4-Trimethylbenzene	11.479	105	5044	0.95	ug/L		100
78) sec-Butylbenzene	11.558	105	6447	0.84	ug/L		98
79) 4-Isopropyltoluene	11.668	119	4736	0.79	ug/L		94
80) 1,3-Dichlorobenzene	11.741	146	3618	0.92	ug/L		98
81) 1,4-Dichlorobenzene	11.808	146	4046	0.99	ug/L		83
82) n-Butylbenzene	11.984	91	3651	0.92	ug/L		94
83) 1,2-Dichlorobenzene	12.124	146	3480	0.92	ug/L		97
84) 1,2-Dibromo-3-Chloropr...	12.738	157	485	0.65	ug/L		83
85) Hexachlorobutadiene	13.237	223	322	0.66	ug/L	#	81
86) 1,2,4-Trichlorobenzene	13.280	180	1302	1.81	ug/L		87
87) Naphthalene	13.554	128	3696	1.97	ug/L		95
88) 1,2,3-Trichlorobenzene	13.712	180	1209	1.59	ug/L		92

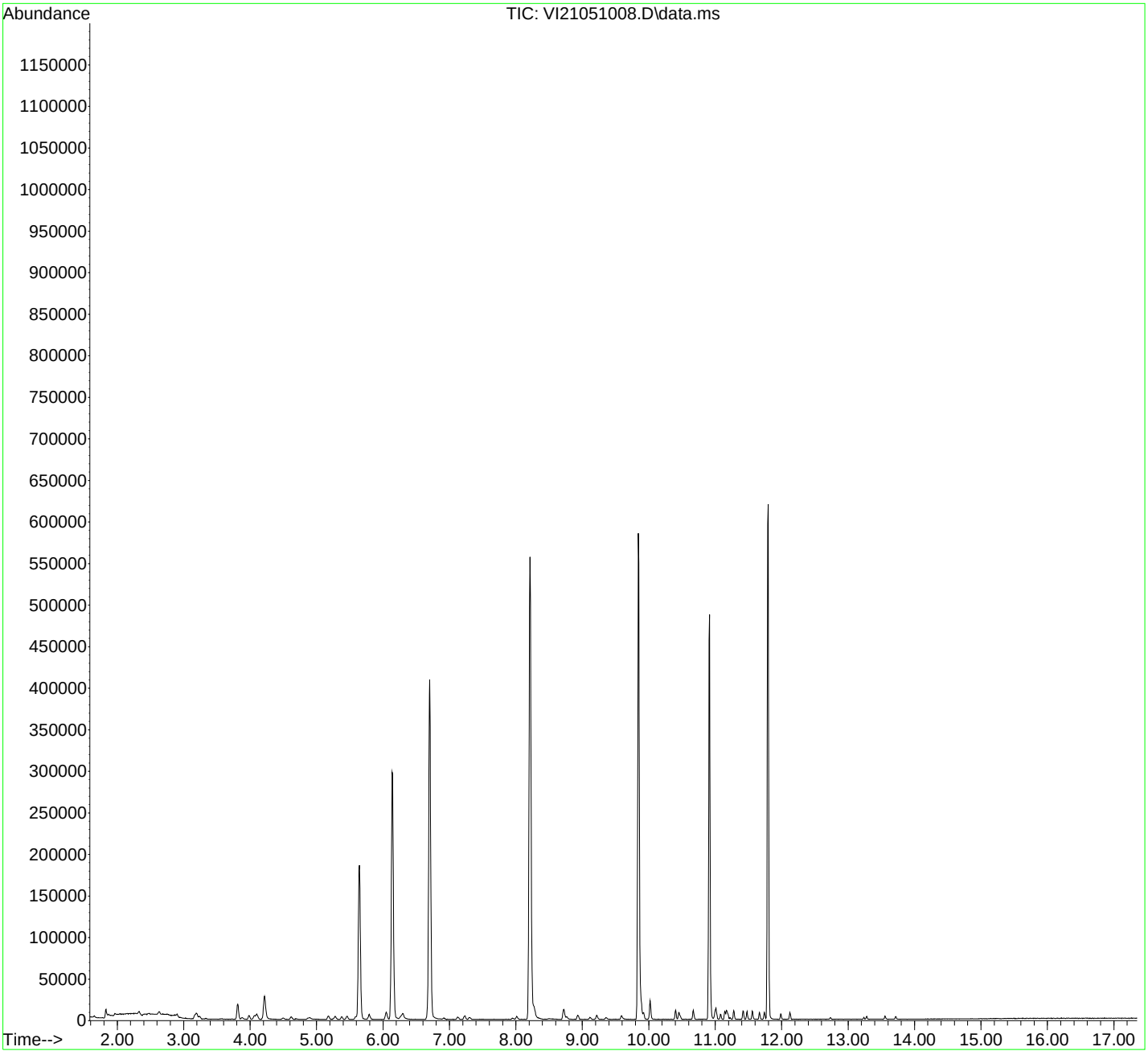
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1

PS 05/11/21

DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	126301	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	333123	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	146472	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	123760	50.07	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	387968	49.58	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	443418	49.22	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	125913	49.68	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	1204	0.55	ug/L		82
3) Chloromethane	1.867	50	2275	0.66	ug/L		95
4) Vinyl Chloride	1.964	62	2109	0.97	ug/L	#	1
5) Bromomethane	2.323	96	1272	1.42	ug/L		97
6) Chloroethane	2.475	64	1940	2.28	ug/L	#	57
7) Trichlorofluoromethane	2.628	101	2447	0.95	ug/L		93
8) Ethanol	3.169	45	3649	64.92	ug/L		99
9) 1,1-Dichloroethene	3.187	61	2963	0.99	ug/L		97
10) Carbon Disulfide	3.205	76	4811	0.96	ug/L		96
11) Freon 113	3.236	101	1868	0.92	ug/L		89
12) Iodomethane	3.333	142	1019	1.26	ug/L	#	80
13) Acrolein	3.564	56	537	0.85	ug/L		80
14) Methylene Chloride	3.814	84	9001	3.92	ug/L		91
15) Acetone	3.875	43	3227	3.17	ug/L		99
16) t-1,2-Dichloroethene	3.984	61	2892	1.03	ug/L		92
17) n-Hexane	4.069	86	213	0.54	ug/L	#	72
18) Methyl-tert-butyl-ether	4.100	73	6572	0.99	ug/L		86
19) tert-Butanol (TBA)	4.215	59	38763	70.94	ug/L		88
20) Diisopropyl ether (DIPE)	4.489	45	1562	0.26	ug/L		95
21) 1,1-Dichloroethane	4.623	63	3890	0.96	ug/L		94
22) Acrylonitrile	4.690	53	706	0.60	ug/L		85
23) Ethyl-tert-butyl ether...	4.872	59	1573	0.27	ug/L		94
24) Vinyl Acetate	4.897	43	4231	0.95	ug/L		87
25) c-1,2-Dichloroethene	5.177	61	2751	0.97	ug/L		91

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	2663	0.91	ug/L		99
27) Bromochloromethane	5.377	130	1382	0.90	ug/L		95
28) Chloroform	5.456	83	3726	0.97	ug/L		94
29) Carbon Tetrachloride	5.590	117	2408	1.01	ug/L		97
30) Tetrahydrofuran	5.627	42	1229	1.09	ug/L		97
31) 1,1,1-Trichloroethane	5.663	97	3130	0.96	ug/L		98
33) 1,1-Dichloropropene	5.797	75	2721	0.97	ug/L		96
34) 2-Butanone (MEK)	5.785	43	3283	1.99	ug/L		92
35) Benzene	6.046	78	8928	0.97	ug/L		95
36) tert-Amyl methyl ether...	6.174	73	1724	0.28	ug/L		92
37) 1,2-Dichloroethane (EDC)	6.265	62	2891	1.03	ug/L		85
38) iso-Butyl Alcohol	6.302	43	5540	29.39	ug/L		96
40) Trichloroethene (TCE)	6.667	130	2218	1.00	ug/L		91
41) Tert-Amyl-Ethyl-Ether ...	6.916	59	991	0.25	ug/L		75
42) Dibromomethane	7.129	93	1345	0.91	ug/L		93
43) 1,2-Dichloropropane	7.233	63	2133	0.94	ug/L		90
44) Bromodichloromethane	7.306	83	2683	1.02	ug/L		91
46) 2-Chloroethyl Vinyl Ether	7.957	63	1067	0.70	ug/L	#	100
47) c-1,3-Dichloropropene	8.011	75	2696	0.82	ug/L		96
49) Toluene	8.273	91	8991	0.91	ug/L		96
50) Tetrachloroethene (PCE)	8.717	166	2233	1.00	ug/L		98
51) 4-Methyl-2-Pentanone (...	8.723	43	5892	1.99	ug/L		95
52) t-1,3-Dichloropropene	8.766	75	2181	0.72	ug/L		97
53) 1,1,2-Trichloroethane	8.936	97	2006	0.92	ug/L		87
54) Dibromochloromethane	9.113	129	1898	0.92	ug/L		95
55) 1,3-Dichloropropane	9.216	76	3383	0.93	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.356	107	1935	0.81	ug/L		94
57) 2-Hexanone	9.587	43	3884	1.75	ug/L		95
58) Chlorobenzene	9.861	112	5746	0.93	ug/L		85
59) Ethylbenzene	9.885	91	9585	0.97	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	1783	0.93	ug/L		81
61) m,p-Xylenes (2)	10.019	91	13234	1.83	ug/L		97
62) o-Xylene	10.402	91	6786	0.92	ug/L		99
63) Styrene	10.451	104	4424	0.80	ug/L		92
64) Bromoform	10.475	173	1256	0.96	ug/L		93
65) Isopropylbenzene	10.670	105	7579	0.91	ug/L		98

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.999	156	2319	0.96	ug/L		83
69) n-Propylbenzene	11.017	91	8551	0.88	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.078	85	2009	0.94	ug/L		90
71) 2-Chlorotoluene	11.145	126	1711	0.82	ug/L		97
72) 1,3,5-Trimethylbenzene	11.169	105	5378	0.93	ug/L		95
73) 1,2,3-Trichloropropane	11.187	110	1019	0.99	ug/L	#	85
74) t-1,4-Dichloro-2-butene	11.224	53	519	0.73	ug/L	#	52
75) 4-Chlorotoluene	11.278	91	5359	0.89	ug/L		98
76) tert-Butylbenzene	11.418	91	3335	0.88	ug/L		92
77) 1,2,4-Trimethylbenzene	11.479	105	5044	0.95	ug/L		100
78) sec-Butylbenzene	11.558	105	6447	0.84	ug/L		98
79) 4-Isopropyltoluene	11.668	119	4736	0.79	ug/L		94
80) 1,3-Dichlorobenzene	11.741	146	3618	0.92	ug/L		98
81) 1,4-Dichlorobenzene	11.808	146	4046	0.99	ug/L		83
82) n-Butylbenzene	11.984	91	3651	0.92	ug/L		94
83) 1,2-Dichlorobenzene	12.124	146	3480	0.92	ug/L		97
84) 1,2-Dibromo-3-Chloropr...	12.738	157	485	0.65	ug/L		83
85) Hexachlorobutadiene	13.237	223	322	0.66	ug/L	#	81
86) 1,2,4-Trichlorobenzene	13.280	180	1302	1.81	ug/L		87
87) Naphthalene	13.554	128	3696	1.97	ug/L		95
88) 1,2,3-Trichlorobenzene	13.712	180	1209	1.59	ug/L		92

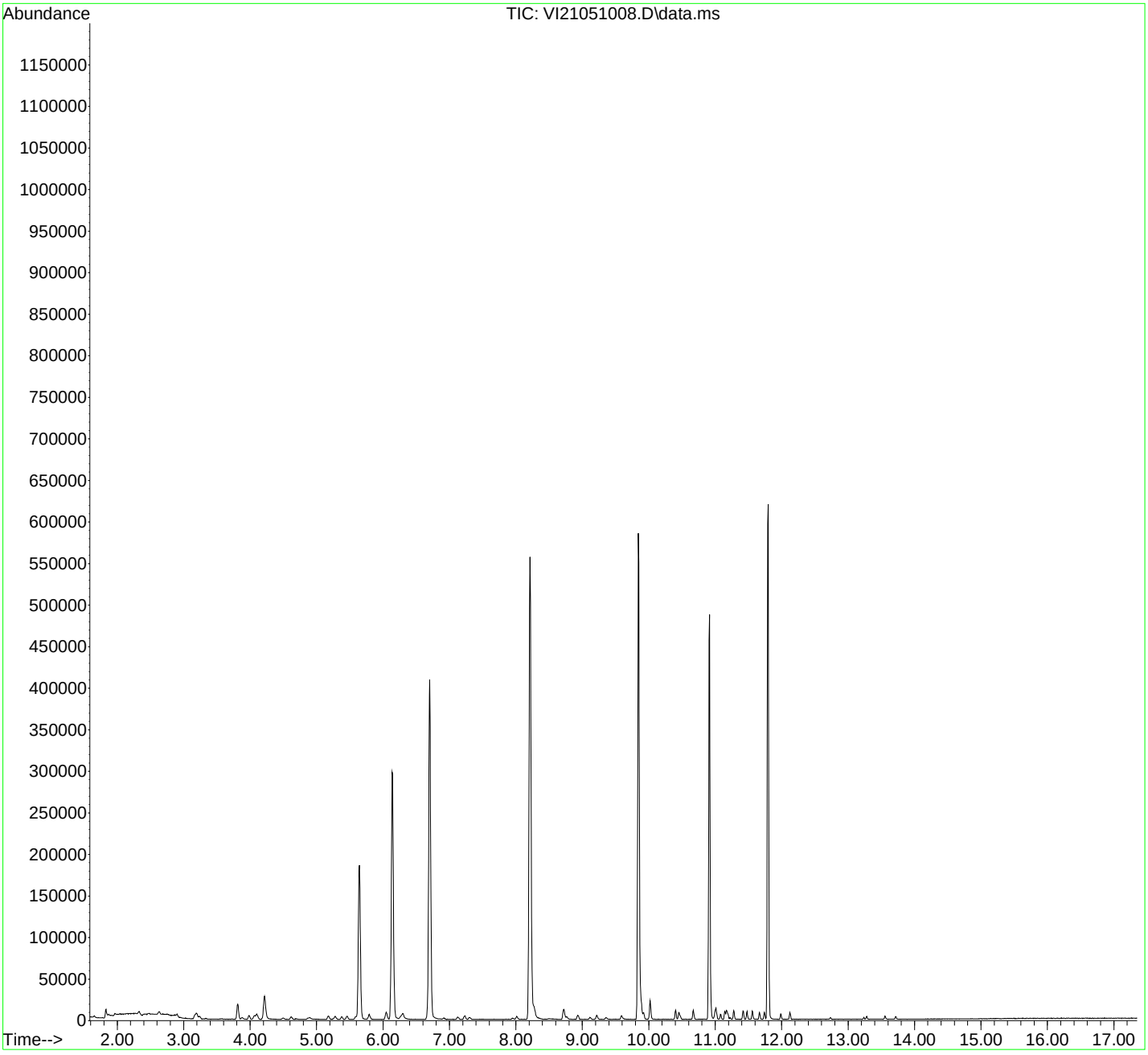
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051008.D
Acq On : 10 May 2021 6:26 pm
Operator : PS
Sample : 1E10062-CAL4
Misc : 1X 5mL 1PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:29:45 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	130787	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	346809	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	154260	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	128045	50.02	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.697	114	402981	49.73	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	457660	48.79	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	132591	49.68	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	2652	1.15	ug/L		90
3) Chloromethane	1.861	50	4237	1.28	ug/L		97
4) Vinyl Chloride	1.958	62	4504	2.01	ug/L	#	20
5) Bromomethane	2.323	96	2438	2.62	ug/L		99
6) Chloroethane	2.469	64	3378	4.13	ug/L		65
7) Trichlorofluoromethane	2.628	101	5087	1.91	ug/L		94
8) Ethanol	3.163	45	8408	144.46	ug/L		84
9) 1,1-Dichloroethene	3.181	61	6178	2.00	ug/L		93
10) Carbon Disulfide	3.199	76	10346	2.00	ug/L		99
11) Freon 113	3.230	101	4135	1.96	ug/L		92
12) Iodomethane	3.327	142	2474	2.96	ug/L		95
13) Acrolein	3.564	56	1250	1.92	ug/L		68
14) Methylene Chloride	3.808	84	11735	4.93	ug/L		91
15) Acetone	3.875	43	5845	5.54	ug/L		99
16) t-1,2-Dichloroethene	3.978	61	6262	2.15	ug/L		96
17) n-Hexane	4.057	86	657	1.60	ug/L	#	91
18) Methyl-tert-butyl-ether	4.100	73	14647	2.12	ug/L		94
19) tert-Butanol (TBA)	4.215	59	83585	147.73	ug/L		86
20) Diisopropyl ether (DIPE)	4.489	45	3617	0.59	ug/L		94
21) 1,1-Dichloroethane	4.617	63	8195	1.96	ug/L		98
22) Acrylonitrile	4.684	53	2022	1.66	ug/L		90
23) Ethyl-tert-butyl ether...	4.866	59	3385	0.55	ug/L		94
24) Vinyl Acetate	4.891	43	9983	2.16	ug/L		98
25) c-1,2-Dichloroethene	5.171	61	6058	2.06	ug/L		95

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.274	77	5368	1.78	ug/L		97
27) Bromochloromethane	5.377	130	3270	2.07	ug/L		92
28) Chloroform	5.456	83	8331	2.10	ug/L		98
29) Carbon Tetrachloride	5.584	117	5545	2.25	ug/L		92
30) Tetrahydrofuran	5.627	42	2529	2.16	ug/L		89
31) 1,1,1-Trichloroethane	5.657	97	6724	1.98	ug/L		96
33) 1,1-Dichloropropene	5.785	75	5805	2.00	ug/L		98
34) 2-Butanone (MEK)	5.785	43	7529	4.40	ug/L		93
35) Benzene	6.047	78	18961	2.00	ug/L		95
36) tert-Amyl methyl ether...	6.168	73	3479	0.54	ug/L		78
37) 1,2-Dichloroethane (EDC)	6.266	62	6309	2.16	ug/L		92
38) iso-Butyl Alcohol	6.296	43	12187	62.43	ug/L		97
40) Trichloroethene (TCE)	6.667	130	4705	2.05	ug/L		95
41) Tert-Amyl-Ethyl-Ether ...	6.917	59	2266	0.55	ug/L		88
42) Dibromomethane	7.117	93	3203	2.08	ug/L		92
43) 1,2-Dichloropropane	7.227	63	4587	1.96	ug/L		93
44) Bromodichloromethane	7.300	83	5895	2.16	ug/L		96
46) 2-Chloroethyl Vinyl Ether	7.945	63	2685	1.69	ug/L	#	100
47) c-1,3-Dichloropropene	8.005	75	6300	1.85	ug/L		88
49) Toluene	8.273	91	19179	1.87	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	4768	2.04	ug/L		92
51) 4-Methyl-2-Pentanone (...	8.717	43	13608	4.42	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	4959	1.58	ug/L		93
53) 1,1,2-Trichloroethane	8.930	97	4737	2.09	ug/L		94
54) Dibromochloromethane	9.119	129	4214	1.96	ug/L		95
55) 1,3-Dichloropropane	9.216	76	7369	1.95	ug/L		93
56) 1,2-Dibromoethane (EDB)	9.356	107	4513	1.82	ug/L		94
57) 2-Hexanone	9.587	43	9112	3.94	ug/L		90
58) Chlorobenzene	9.861	112	12814	2.00	ug/L		91
59) Ethylbenzene	9.885	91	20705	2.02	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	4047	2.02	ug/L		90
61) m,p-Xylenes (2)	10.019	91	28579	3.80	ug/L		98
62) o-Xylene	10.402	91	14596	1.90	ug/L		98
63) Styrene	10.451	104	10289	1.79	ug/L		98
64) Bromoform	10.475	173	2873	2.11	ug/L		96
65) Isopropylbenzene	10.670	105	16893	1.95	ug/L		98

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.999	156	4936	1.94	ug/L		87
69) n-Propylbenzene	11.011	91	18987	1.86	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.078	85	4545	2.03	ug/L		89
71) 2-Chlorotoluene	11.145	126	4238	1.92	ug/L		93
72) 1,3,5-Trimethylbenzene	11.169	105	12383	2.03	ug/L		96
73) 1,2,3-Trichloropropane	11.187	110	2236	2.07	ug/L		96
74) t-1,4-Dichloro-2-butene	11.224	53	1336	1.79	ug/L	#	66
75) 4-Chlorotoluene	11.278	91	12324	1.95	ug/L		94
76) tert-Butylbenzene	11.418	91	7419	1.86	ug/L		92
77) 1,2,4-Trimethylbenzene	11.479	105	11940	2.02	ug/L		99
78) sec-Butylbenzene	11.558	105	14875	1.83	ug/L		99
79) 4-Isopropyltoluene	11.668	119	11257	1.79	ug/L		98
80) 1,3-Dichlorobenzene	11.741	146	8024	1.95	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	8923	2.08	ug/L		88
82) n-Butylbenzene	11.984	91	8778	1.86	ug/L		96
83) 1,2-Dichlorobenzene	12.124	146	7907	1.99	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	1203	1.52	ug/L		64
85) Hexachlorobutadiene	13.231	223	895	1.74	ug/L		96
86) 1,2,4-Trichlorobenzene	13.274	180	3209	3.52	ug/L		93
87) Naphthalene	13.554	128	8499	3.00	ug/L		99
88) 1,2,3-Trichlorobenzene	13.718	180	2969	3.14	ug/L		96

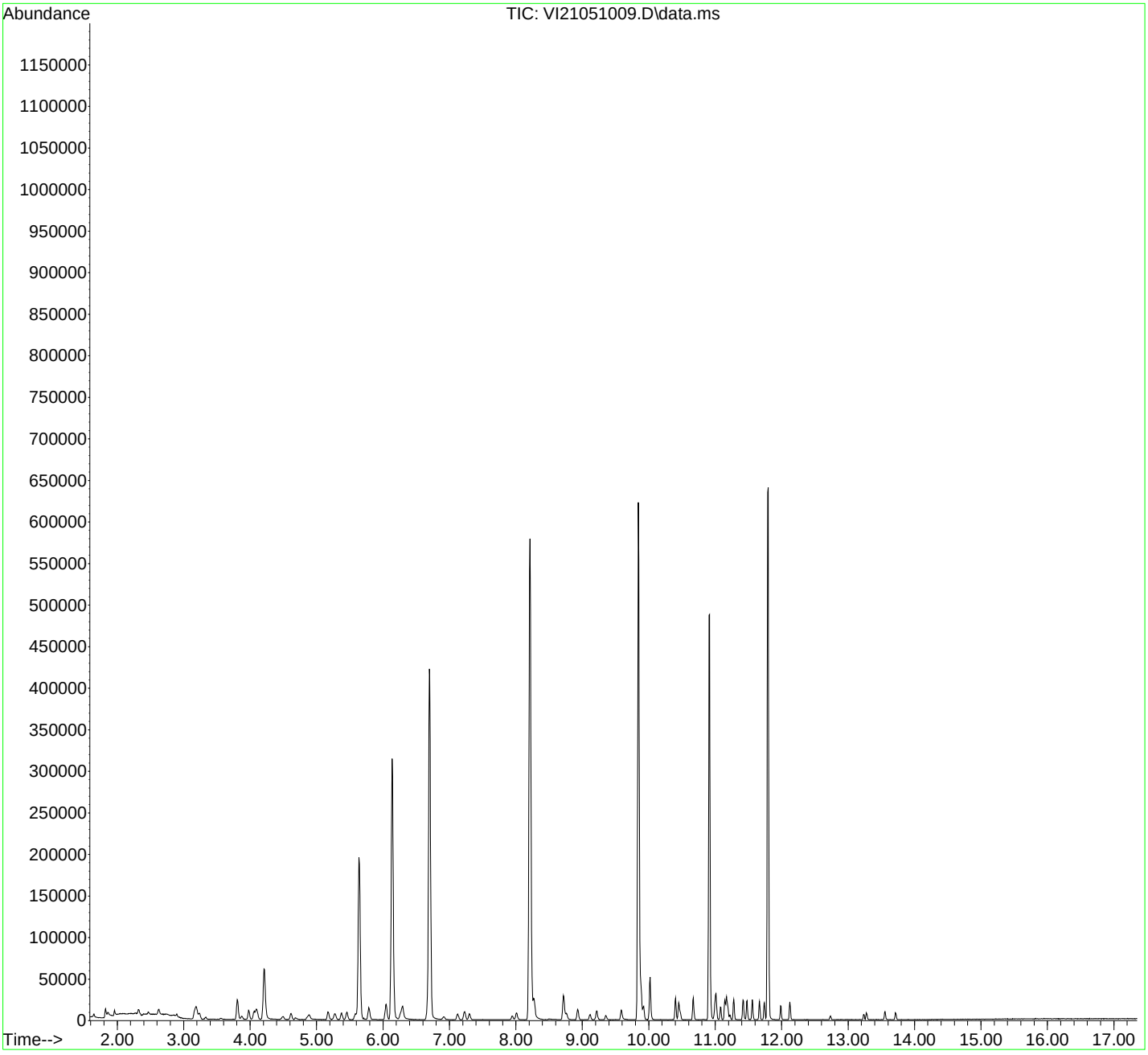
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1 PS 05/11/21
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	130787	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	346809	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	154260	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	128045	50.02	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.697	114	402981	49.73	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	457660	48.79	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	132591	49.68	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	2652	1.15	ug/L		90
3) Chloromethane	1.861	50	4237	1.28	ug/L		97
4) Vinyl Chloride	1.958	62	4504	2.01	ug/L	#	20
5) Bromomethane	2.323	96	2438	2.62	ug/L		99
6) Chloroethane	2.469	64	3378	4.13	ug/L		65
7) Trichlorofluoromethane	2.628	101	5087	1.91	ug/L		94
8) Ethanol	3.163	45	8408	144.46	ug/L		84
9) 1,1-Dichloroethene	3.181	61	6178	2.00	ug/L		93
10) Carbon Disulfide	3.199	76	10346	2.00	ug/L		99
11) Freon 113	3.230	101	4135	1.96	ug/L		92
12) Iodomethane	3.327	142	2474	2.96	ug/L		95
13) Acrolein	3.564	56	1250	1.92	ug/L		68
14) Methylene Chloride	3.808	84	11735	4.93	ug/L		91
15) Acetone	3.875	43	5845	5.54	ug/L		99
16) t-1,2-Dichloroethene	3.978	61	6262	2.15	ug/L		96
17) n-Hexane	4.057	86	657	1.60	ug/L	#	91
18) Methyl-tert-butyl-ether	4.100	73	14647	2.12	ug/L		94
19) tert-Butanol (TBA)	4.215	59	83585	147.73	ug/L		86
20) Diisopropyl ether (DIPE)	4.489	45	3617	0.59	ug/L		94
21) 1,1-Dichloroethane	4.617	63	8195	1.96	ug/L		98
22) Acrylonitrile	4.684	53	2022	1.66	ug/L		90
23) Ethyl-tert-butyl ether...	4.866	59	3385	0.55	ug/L		94
24) Vinyl Acetate	4.891	43	9983	2.16	ug/L		98
25) c-1,2-Dichloroethene	5.171	61	6058	2.06	ug/L		95

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.274	77	5368	1.78	ug/L		97
27) Bromochloromethane	5.377	130	3270	2.07	ug/L		92
28) Chloroform	5.456	83	8331	2.10	ug/L		98
29) Carbon Tetrachloride	5.584	117	5545	2.25	ug/L		92
30) Tetrahydrofuran	5.627	42	2529	2.16	ug/L		89
31) 1,1,1-Trichloroethane	5.657	97	6724	1.98	ug/L		96
33) 1,1-Dichloropropene	5.785	75	5805	2.00	ug/L		98
34) 2-Butanone (MEK)	5.785	43	7529	4.40	ug/L		93
35) Benzene	6.047	78	18961	2.00	ug/L		95
36) tert-Amyl methyl ether...	6.168	73	3479	0.54	ug/L		78
37) 1,2-Dichloroethane (EDC)	6.266	62	6309	2.16	ug/L		92
38) iso-Butyl Alcohol	6.296	43	12187	62.43	ug/L		97
40) Trichloroethene (TCE)	6.667	130	4705	2.05	ug/L		95
41) Tert-Amyl-Ethyl-Ether ...	6.917	59	2266	0.55	ug/L		88
42) Dibromomethane	7.117	93	3203	2.08	ug/L		92
43) 1,2-Dichloropropane	7.227	63	4587	1.96	ug/L		93
44) Bromodichloromethane	7.300	83	5895	2.16	ug/L		96
46) 2-Chloroethyl Vinyl Ether	7.945	63	2685	1.69	ug/L	#	100
47) c-1,3-Dichloropropene	8.005	75	6300	1.85	ug/L		88
49) Toluene	8.273	91	19179	1.87	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	4768	2.04	ug/L		92
51) 4-Methyl-2-Pentanone (...	8.717	43	13608	4.42	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	4959	1.58	ug/L		93
53) 1,1,2-Trichloroethane	8.930	97	4737	2.09	ug/L		94
54) Dibromochloromethane	9.119	129	4214	1.96	ug/L		95
55) 1,3-Dichloropropane	9.216	76	7369	1.95	ug/L		93
56) 1,2-Dibromoethane (EDB)	9.356	107	4513	1.82	ug/L		94
57) 2-Hexanone	9.587	43	9112	3.94	ug/L		90
58) Chlorobenzene	9.861	112	12814	2.00	ug/L		91
59) Ethylbenzene	9.885	91	20705	2.02	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	4047	2.02	ug/L		90
61) m,p-Xylenes (2)	10.019	91	28579	3.80	ug/L		98
62) o-Xylene	10.402	91	14596	1.90	ug/L		98
63) Styrene	10.451	104	10289	1.79	ug/L		98
64) Bromoform	10.475	173	2873	2.11	ug/L		96
65) Isopropylbenzene	10.670	105	16893	1.95	ug/L		98

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.999	156	4936	1.94	ug/L		87
69) n-Propylbenzene	11.011	91	18987	1.86	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.078	85	4545	2.03	ug/L		89
71) 2-Chlorotoluene	11.145	126	4238	1.92	ug/L		93
72) 1,3,5-Trimethylbenzene	11.169	105	12383	2.03	ug/L		96
73) 1,2,3-Trichloropropane	11.187	110	2236	2.07	ug/L		96
74) t-1,4-Dichloro-2-butene	11.224	53	1336	1.79	ug/L	#	66
75) 4-Chlorotoluene	11.278	91	12324	1.95	ug/L		94
76) tert-Butylbenzene	11.418	91	7419	1.86	ug/L		92
77) 1,2,4-Trimethylbenzene	11.479	105	11940	2.02	ug/L		99
78) sec-Butylbenzene	11.558	105	14875	1.83	ug/L		99
79) 4-Isopropyltoluene	11.668	119	11257	1.79	ug/L		98
80) 1,3-Dichlorobenzene	11.741	146	8024	1.95	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	8923	2.08	ug/L		88
82) n-Butylbenzene	11.984	91	8778	1.86	ug/L		96
83) 1,2-Dichlorobenzene	12.124	146	7907	1.99	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	1203	1.52	ug/L		64
85) Hexachlorobutadiene	13.231	223	895	1.74	ug/L		96
86) 1,2,4-Trichlorobenzene	13.274	180	3209	3.52	ug/L		93
87) Naphthalene	13.554	128	8499	3.00	ug/L		99
88) 1,2,3-Trichlorobenzene	13.718	180	2969	3.14	ug/L		96

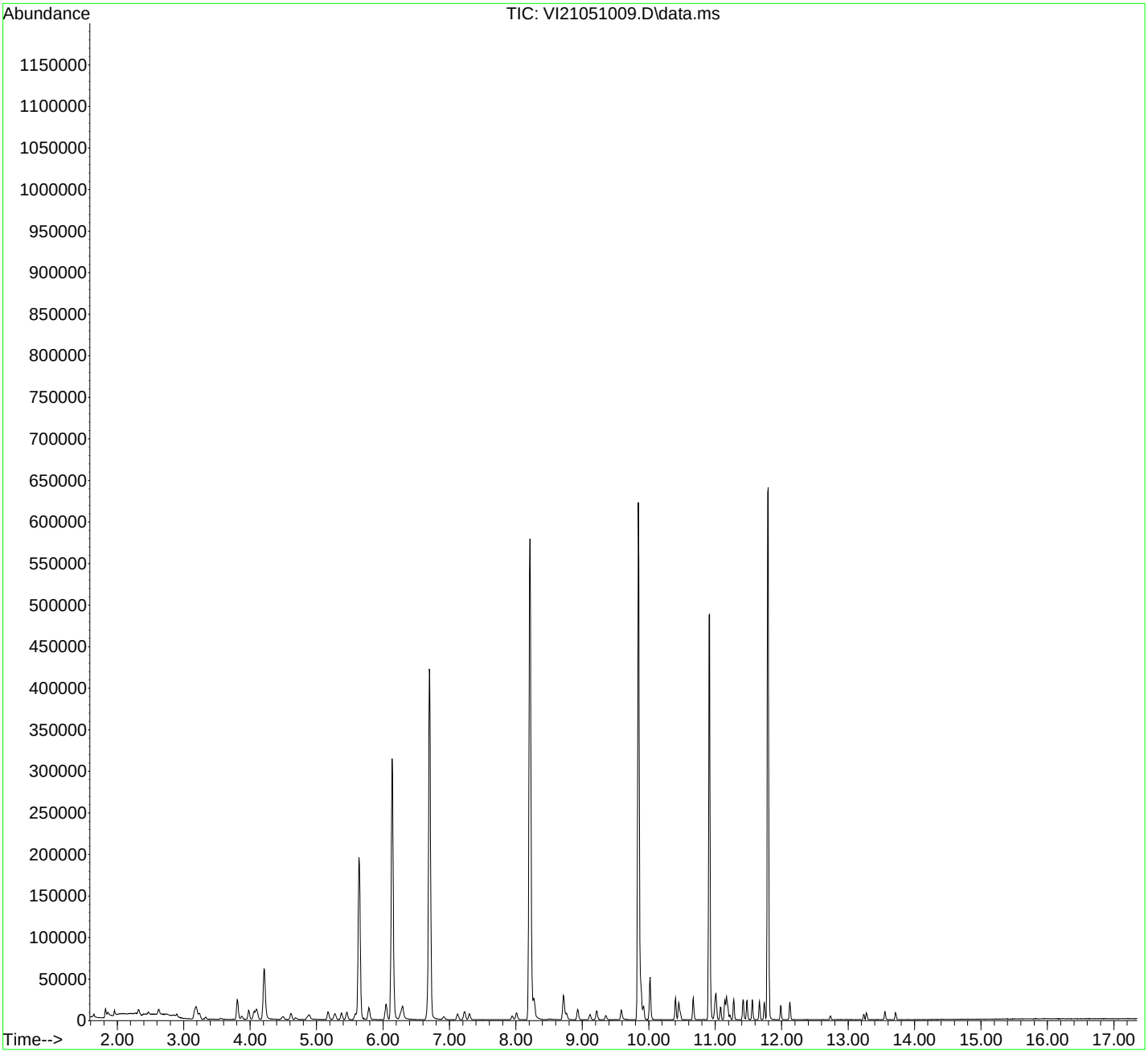
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051009.D
Acq On : 10 May 2021 6:54 pm
Operator : PS
Sample : 1E10062-CAL5
Misc : 1X 5mL 2PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:36:38 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	127265	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	336719	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	157477	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	126061	50.61	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	391745	49.68	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	448874	49.29	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	131922	48.41	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	6754	3.04	ug/L		98
3) Chloromethane	1.873	50	9903	3.27	ug/L		92
4) Vinyl Chloride	1.970	62	11384	5.22	ug/L		68
5) Bromomethane	2.329	96	5744	6.36	ug/L		93
6) Chloroethane	2.475	64	7224	9.69	ug/L		74
7) Trichlorofluoromethane	2.634	101	12571	4.84	ug/L		98
8) Ethanol	3.169	45	18876	333.29	ug/L		85
9) 1,1-Dichloroethene	3.187	61	15472	5.15	ug/L		95
10) Carbon Disulfide	3.205	76	25814	5.12	ug/L		99
11) Freon 113	3.242	101	10391	5.06	ug/L		98
12) Iodomethane	3.339	142	6859	8.44	ug/L		91
13) Acrolein	3.564	56	3154	4.97	ug/L		76
14) Methylene Chloride	3.820	84	19063	8.24	ug/L		84
15) Acetone	3.875	43	12470	12.15	ug/L		93
16) t-1,2-Dichloroethene	3.984	61	15598	5.51	ug/L		93
17) n-Hexane	4.069	86	1735	4.33	ug/L	#	90
18) Methyl-tert-butyl-ether	4.106	73	35862	5.35	ug/L		95
19) tert-Butanol (TBA)	4.215	59	190796	346.55	ug/L		88
20) Diisopropyl ether (DIPE)	4.495	45	8292	1.38	ug/L		97
21) 1,1-Dichloroethane	4.623	63	19779	4.86	ug/L		98
22) Acrylonitrile	4.690	53	5862	4.95	ug/L		90
23) Ethyl-tert-butyl ether...	4.872	59	8379	1.40	ug/L		96
24) Vinyl Acetate	4.891	43	25158	5.59	ug/L		97
25) c-1,2-Dichloroethene	5.176	61	15244	5.34	ug/L		95

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	13427	4.56	ug/L		98
27) Bromochloromethane	5.377	130	8559	5.56	ug/L		95
28) Chloroform	5.462	83	20506	5.30	ug/L		98
29) Carbon Tetrachloride	5.590	117	13224	5.50	ug/L		94
30) Tetrahydrofuran	5.627	42	6299	5.53	ug/L		89
31) 1,1,1-Trichloroethane	5.663	97	17135	5.19	ug/L		98
33) 1,1-Dichloropropene	5.791	75	14976	5.29	ug/L		93
34) 2-Butanone (MEK)	5.785	43	18738	11.26	ug/L		93
35) Benzene	6.046	78	47246	5.11	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	8230	1.30	ug/L		87
37) 1,2-Dichloroethane (EDC)	6.265	62	16025	5.64	ug/L		90
38) iso-Butyl Alcohol	6.296	43	27803	146.37	ug/L		96
40) Trichloroethene (TCE)	6.667	130	11677	5.22	ug/L		93
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	5743	1.44	ug/L		85
42) Dibromomethane	7.123	93	7753	5.19	ug/L		98
43) 1,2-Dichloropropane	7.227	63	11528	5.05	ug/L		94
44) Bromodichloromethane	7.300	83	14283	5.38	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.944	63	7621	4.93	ug/L	#	100
47) c-1,3-Dichloropropene	8.011	75	15651	4.74	ug/L		90
49) Toluene	8.273	91	46875	4.70	ug/L		98
50) Tetrachloroethene (PCE)	8.717	166	11714	5.17	ug/L		87
51) 4-Methyl-2-Pentanone (...	8.717	43	32704	10.95	ug/L		97
52) t-1,3-Dichloropropene	8.760	75	13314	4.37	ug/L		96
53) 1,1,2-Trichloroethane	8.930	97	11623	5.28	ug/L		95
54) Dibromochloromethane	9.119	129	10147	4.86	ug/L		98
55) 1,3-Dichloropropane	9.216	76	18464	5.04	ug/L		94
56) 1,2-Dibromoethane (EDB)	9.350	107	11197	4.64	ug/L		94
57) 2-Hexanone	9.581	43	22815	10.15	ug/L		94
58) Chlorobenzene	9.861	112	30653	4.93	ug/L		96
59) Ethylbenzene	9.885	91	48905	4.91	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	9467	4.87	ug/L		97
61) m,p-Xylenes (2)	10.019	91	73050	10.01	ug/L		99
62) o-Xylene	10.402	91	35996	4.83	ug/L		98
63) Styrene	10.451	104	27354	4.90	ug/L		97
64) Bromoform	10.475	173	6875	5.20	ug/L		99
65) Isopropylbenzene	10.670	105	42763	5.09	ug/L		97

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.998	156	12125	4.68	ug/L		91
69) n-Propylbenzene	11.011	91	47323	4.55	ug/L		98
70) 1,1,2,2-Tetrachloroethane	11.078	85	10678	4.66	ug/L		91
71) 2-Chlorotoluene	11.144	126	10331	4.59	ug/L		94
72) 1,3,5-Trimethylbenzene	11.169	105	31129	4.99	ug/L		98
73) 1,2,3-Trichloropropane	11.187	110	5068	4.59	ug/L		95
74) t-1,4-Dichloro-2-butene	11.217	53	3163	4.14	ug/L	#	74
75) 4-Chlorotoluene	11.278	91	30697	4.76	ug/L		96
76) tert-Butylbenzene	11.418	91	18860	4.62	ug/L		89
77) 1,2,4-Trimethylbenzene	11.479	105	30689	4.95	ug/L		97
78) sec-Butylbenzene	11.558	105	38176	4.61	ug/L		100
79) 4-Isopropyltoluene	11.668	119	30083	4.67	ug/L		98
80) 1,3-Dichlorobenzene	11.741	146	19449	4.62	ug/L		98
81) 1,4-Dichlorobenzene	11.808	146	20767	4.74	ug/L		95
82) n-Butylbenzene	11.984	91	23436	4.53	ug/L		96
83) 1,2-Dichlorobenzene	12.124	146	18619	4.60	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	2915	3.62	ug/L		78
85) Hexachlorobutadiene	13.237	223	2204	4.19	ug/L		91
86) 1,2,4-Trichlorobenzene	13.274	180	7538	7.26	ug/L		95
87) Naphthalene	13.554	128	21677	5.80	ug/L		98
88) 1,2,3-Trichlorobenzene	13.712	180	7470	7.01	ug/L		92

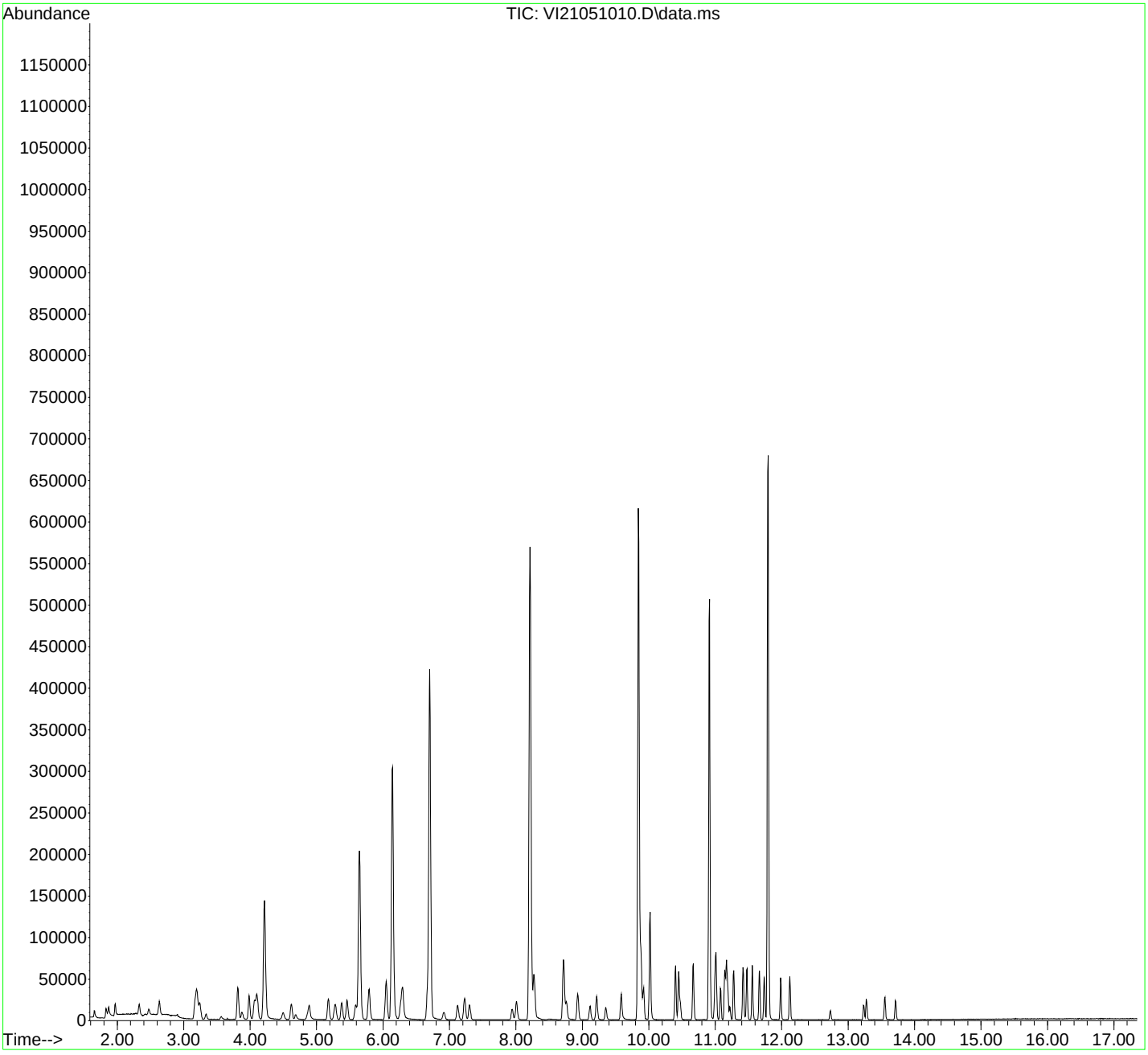
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	127265	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	336719	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	157477	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	126061	50.61	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	391745	49.68	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	448874	49.29	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	131922	48.41	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	6754	3.04	ug/L		98
3) Chloromethane	1.873	50	9903	3.27	ug/L		92
4) Vinyl Chloride	1.970	62	11384	5.22	ug/L		68
5) Bromomethane	2.329	96	5744	6.36	ug/L		93
6) Chloroethane	2.475	64	7224	9.69	ug/L		74
7) Trichlorofluoromethane	2.634	101	12571	4.84	ug/L		98
8) Ethanol	3.169	45	18876	333.29	ug/L		85
9) 1,1-Dichloroethene	3.187	61	15472	5.15	ug/L		95
10) Carbon Disulfide	3.205	76	25814	5.12	ug/L		99
11) Freon 113	3.242	101	10391	5.06	ug/L		98
12) Iodomethane	3.339	142	6859	8.44	ug/L		91
13) Acrolein	3.564	56	3154	4.97	ug/L		76
14) Methylene Chloride	3.820	84	19063	8.24	ug/L		84
15) Acetone	3.875	43	12470	12.15	ug/L		93
16) t-1,2-Dichloroethene	3.984	61	15598	5.51	ug/L		93
17) n-Hexane	4.069	86	1735	4.33	ug/L	#	90
18) Methyl-tert-butyl-ether	4.106	73	35862	5.35	ug/L		95
19) tert-Butanol (TBA)	4.215	59	190796	346.55	ug/L		88
20) Diisopropyl ether (DIPE)	4.495	45	8292	1.38	ug/L		97
21) 1,1-Dichloroethane	4.623	63	19779	4.86	ug/L		98
22) Acrylonitrile	4.690	53	5862	4.95	ug/L		90
23) Ethyl-tert-butyl ether...	4.872	59	8379	1.40	ug/L		96
24) Vinyl Acetate	4.891	43	25158	5.59	ug/L		97
25) c-1,2-Dichloroethene	5.176	61	15244	5.34	ug/L		95

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	13427	4.56	ug/L		98
27) Bromochloromethane	5.377	130	8559	5.56	ug/L		95
28) Chloroform	5.462	83	20506	5.30	ug/L		98
29) Carbon Tetrachloride	5.590	117	13224	5.50	ug/L		94
30) Tetrahydrofuran	5.627	42	6299	5.53	ug/L		89
31) 1,1,1-Trichloroethane	5.663	97	17135	5.19	ug/L		98
33) 1,1-Dichloropropene	5.791	75	14976	5.29	ug/L		93
34) 2-Butanone (MEK)	5.785	43	18738	11.26	ug/L		93
35) Benzene	6.046	78	47246	5.11	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	8230	1.30	ug/L		87
37) 1,2-Dichloroethane (EDC)	6.265	62	16025	5.64	ug/L		90
38) iso-Butyl Alcohol	6.296	43	27803	146.37	ug/L		96
40) Trichloroethene (TCE)	6.667	130	11677	5.22	ug/L		93
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	5743	1.44	ug/L		85
42) Dibromomethane	7.123	93	7753	5.19	ug/L		98
43) 1,2-Dichloropropane	7.227	63	11528	5.05	ug/L		94
44) Bromodichloromethane	7.300	83	14283	5.38	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.944	63	7621	4.93	ug/L	#	100
47) c-1,3-Dichloropropene	8.011	75	15651	4.74	ug/L		90
49) Toluene	8.273	91	46875	4.70	ug/L		98
50) Tetrachloroethene (PCE)	8.717	166	11714	5.17	ug/L		87
51) 4-Methyl-2-Pentanone (...	8.717	43	32704	10.95	ug/L		97
52) t-1,3-Dichloropropene	8.760	75	13314	4.37	ug/L		96
53) 1,1,2-Trichloroethane	8.930	97	11623	5.28	ug/L		95
54) Dibromochloromethane	9.119	129	10147	4.86	ug/L		98
55) 1,3-Dichloropropane	9.216	76	18464	5.04	ug/L		94
56) 1,2-Dibromoethane (EDB)	9.350	107	11197	4.64	ug/L		94
57) 2-Hexanone	9.581	43	22815	10.15	ug/L		94
58) Chlorobenzene	9.861	112	30653	4.93	ug/L		96
59) Ethylbenzene	9.885	91	48905	4.91	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	9467	4.87	ug/L		97
61) m,p-Xylenes (2)	10.019	91	73050	10.01	ug/L		99
62) o-Xylene	10.402	91	35996	4.83	ug/L		98
63) Styrene	10.451	104	27354	4.90	ug/L		97
64) Bromoform	10.475	173	6875	5.20	ug/L		99
65) Isopropylbenzene	10.670	105	42763	5.09	ug/L		97

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.998	156	12125	4.68	ug/L		91
69) n-Propylbenzene	11.011	91	47323	4.55	ug/L		98
70) 1,1,2,2-Tetrachloroethane	11.078	85	10678	4.66	ug/L		91
71) 2-Chlorotoluene	11.144	126	10331	4.59	ug/L		94
72) 1,3,5-Trimethylbenzene	11.169	105	31129	4.99	ug/L		98
73) 1,2,3-Trichloropropane	11.187	110	5068	4.59	ug/L		95
74) t-1,4-Dichloro-2-butene	11.217	53	3163	4.14	ug/L	#	74
75) 4-Chlorotoluene	11.278	91	30697	4.76	ug/L		96
76) tert-Butylbenzene	11.418	91	18860	4.62	ug/L		89
77) 1,2,4-Trimethylbenzene	11.479	105	30689	4.95	ug/L		97
78) sec-Butylbenzene	11.558	105	38176	4.61	ug/L		100
79) 4-Isopropyltoluene	11.668	119	30083	4.67	ug/L		98
80) 1,3-Dichlorobenzene	11.741	146	19449	4.62	ug/L		98
81) 1,4-Dichlorobenzene	11.808	146	20767	4.74	ug/L		95
82) n-Butylbenzene	11.984	91	23436	4.53	ug/L		96
83) 1,2-Dichlorobenzene	12.124	146	18619	4.60	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	2915	3.62	ug/L		78
85) Hexachlorobutadiene	13.237	223	2204	4.19	ug/L		91
86) 1,2,4-Trichlorobenzene	13.274	180	7538	7.26	ug/L		95
87) Naphthalene	13.554	128	21677	5.80	ug/L		98
88) 1,2,3-Trichlorobenzene	13.712	180	7470	7.01	ug/L		92

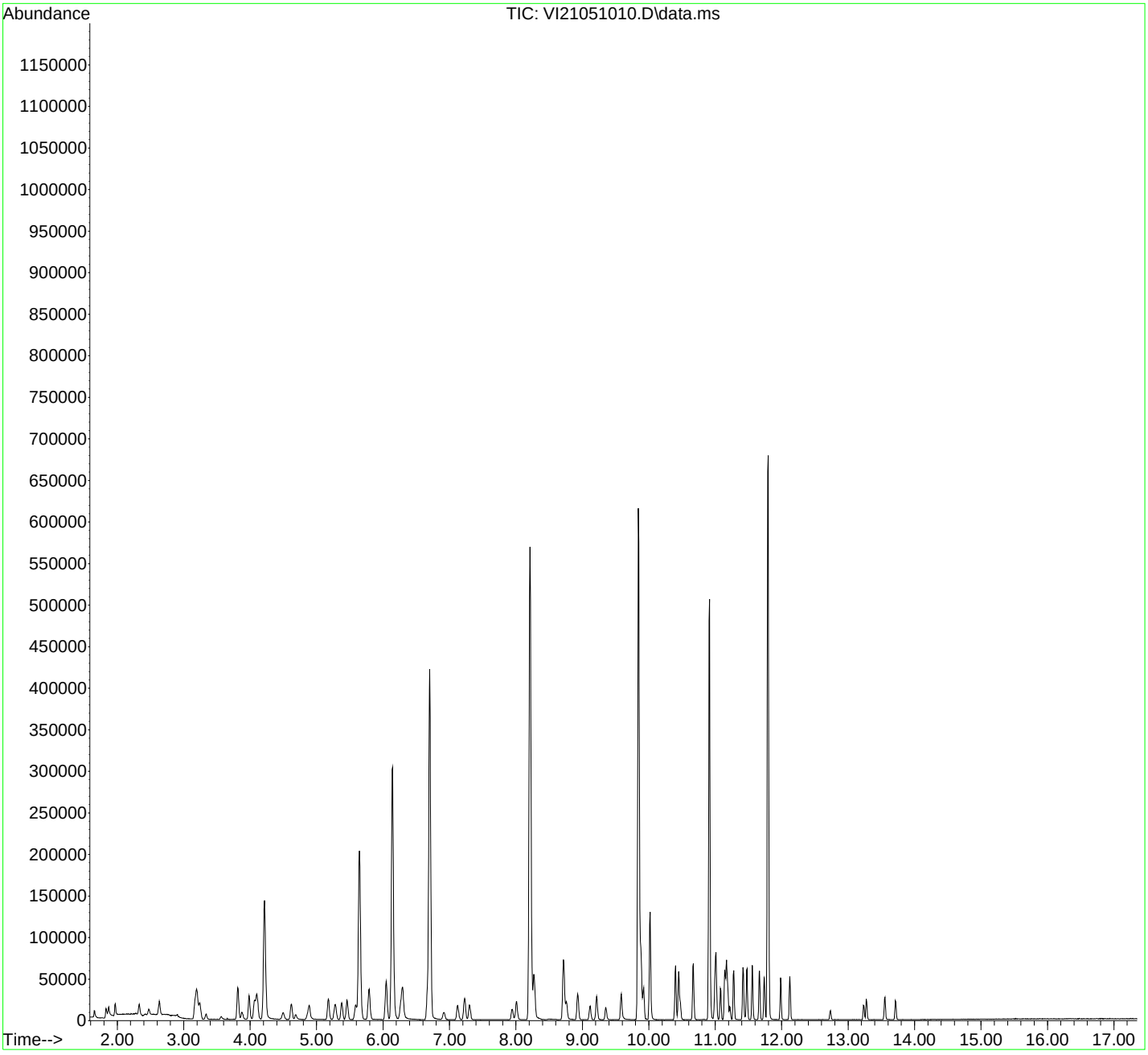
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051010.D
Acq On : 10 May 2021 7:21 pm
Operator : PS
Sample : 1E10062-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:38:29 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129777	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	354621	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	171995	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	129423	50.95	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	404377	50.29	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	466984	48.69	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	141803	47.65	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	12905	5.82	ug/L		99
3) Chloromethane	1.867	50	18103	6.00	ug/L		97
4) Vinyl Chloride	1.965	62	22506	10.12	ug/L		83
5) Bromomethane	2.323	96	10810	11.73	ug/L		95
6) Chloroethane	2.463	64	14975	20.64	ug/L		73
7) Trichlorofluoromethane	2.628	101	25047	9.45	ug/L		99
8) Ethanol	3.163	45	39006	675.39	ug/L		85
9) 1,1-Dichloroethene	3.187	61	30719	10.02	ug/L		93
10) Carbon Disulfide	3.206	76	50163	9.77	ug/L		99
11) Freon 113	3.236	101	20081	9.59	ug/L		96
12) Iodomethane	3.333	142	14740	17.78	ug/L		91
13) Acrolein	3.558	56	6237	9.64	ug/L		67
14) Methylene Chloride	3.814	84	31154	13.20	ug/L		86
15) Acetone	3.875	43	23804	22.74	ug/L		95
16) t-1,2-Dichloroethene	3.978	61	30859	10.70	ug/L		90
17) n-Hexane	4.063	86	3747	9.17	ug/L	#	84
18) Methyl-tert-butyl-ether	4.100	73	72079	10.54	ug/L		91
19) tert-Butanol (TBA)	4.209	59	387279	689.82	ug/L		87
20) Diisopropyl ether (DIPE)	4.495	45	16537	2.70	ug/L		92
21) 1,1-Dichloroethane	4.617	63	39824	9.61	ug/L		95
22) Acrylonitrile	4.678	53	12805	10.60	ug/L		96
23) Ethyl-tert-butyl ether...	4.866	59	16664	2.73	ug/L		98
24) Vinyl Acetate	4.885	43	51418	11.21	ug/L		97
25) c-1,2-Dichloroethene	5.171	61	30375	10.43	ug/L		92

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	27386	9.13	ug/L		94
27) Bromochloromethane	5.377	130	16774	10.68	ug/L		90
28) Chloroform	5.457	83	41262	10.46	ug/L		98
29) Carbon Tetrachloride	5.590	117	26945	10.99	ug/L		99
30) Tetrahydrofuran	5.627	42	12601	10.85	ug/L		91
31) 1,1,1-Trichloroethane	5.657	97	33327	9.91	ug/L		97
33) 1,1-Dichloropropene	5.791	75	30076	10.43	ug/L		95
34) 2-Butanone (MEK)	5.779	43	36947	21.77	ug/L		98
35) Benzene	6.047	78	92103	9.77	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	16071	2.50	ug/L		95
37) 1,2-Dichloroethane (EDC)	6.260	62	31886	11.01	ug/L		92
38) iso-Butyl Alcohol	6.290	43	57329	295.98	ug/L		96
40) Trichloroethene (TCE)	6.667	130	23572	10.33	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	11798	2.90	ug/L		87
42) Dibromomethane	7.117	93	15399	10.10	ug/L		95
43) 1,2-Dichloropropane	7.227	63	22987	9.87	ug/L		94
44) Bromodichloromethane	7.300	83	28659	10.59	ug/L		92
46) 2-Chloroethyl Vinyl Ether	7.939	63	15930	9.79	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	32612	9.37	ug/L		89
49) Toluene	8.267	91	94330	8.99	ug/L		98
50) Tetrachloroethene (PCE)	8.717	166	23082	9.67	ug/L		92
51) 4-Methyl-2-Pentanone (...	8.717	43	66886	21.27	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	27931	8.71	ug/L		100
53) 1,1,2-Trichloroethane	8.930	97	23018	9.93	ug/L		91
54) Dibromochloromethane	9.113	129	21189	9.63	ug/L		98
55) 1,3-Dichloropropane	9.216	76	37536	9.73	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	23654	9.31	ug/L		94
57) 2-Hexanone	9.581	43	47937	20.25	ug/L		92
58) Chlorobenzene	9.861	112	61345	9.37	ug/L		97
59) Ethylbenzene	9.885	91	98706	9.41	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.922	131	19651	9.60	ug/L		95
61) m,p-Xylenes (2)	10.019	91	148972	19.38	ug/L		99
62) o-Xylene	10.402	91	74748	9.52	ug/L		99
63) Styrene	10.451	104	58419	9.94	ug/L		98
64) Bromoform	10.475	173	14785	10.62	ug/L		97
65) Isopropylbenzene	10.670	105	88770	10.02	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.999	156	24854	8.78	ug/L		89
69) n-Propylbenzene	11.011	91	101055	8.89	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	21686	8.67	ug/L		96
71) 2-Chlorotoluene	11.145	126	21787	8.86	ug/L		98
72) 1,3,5-Trimethylbenzene	11.169	105	67038	9.85	ug/L		96
73) 1,2,3-Trichloropropane	11.187	110	10643	8.82	ug/L		88
74) t-1,4-Dichloro-2-butene	11.218	53	6985	8.38	ug/L	#	72
75) 4-Chlorotoluene	11.272	91	63826	9.07	ug/L		93
76) tert-Butylbenzene	11.418	91	39054	8.76	ug/L		96
77) 1,2,4-Trimethylbenzene	11.473	105	67691	9.87	ug/L		95
78) sec-Butylbenzene	11.558	105	82831	9.15	ug/L		98
79) 4-Isopropyltoluene	11.668	119	66759	9.50	ug/L		99
80) 1,3-Dichlorobenzene	11.735	146	41415	9.00	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	42851	8.95	ug/L		94
82) n-Butylbenzene	11.984	91	53942	9.29	ug/L		97
83) 1,2-Dichlorobenzene	12.124	146	39285	8.88	ug/L		99
84) 1,2-Dibromo-3-Chloropr...	12.732	157	6603	7.50	ug/L		83
85) Hexachlorobutadiene	13.237	223	4984	8.67	ug/L		97
86) 1,2,4-Trichlorobenzene	13.274	180	17928	14.48	ug/L		95
87) Naphthalene	13.554	128	51004	11.01	ug/L		97
88) 1,2,3-Trichlorobenzene	13.712	180	16354	13.27	ug/L		96

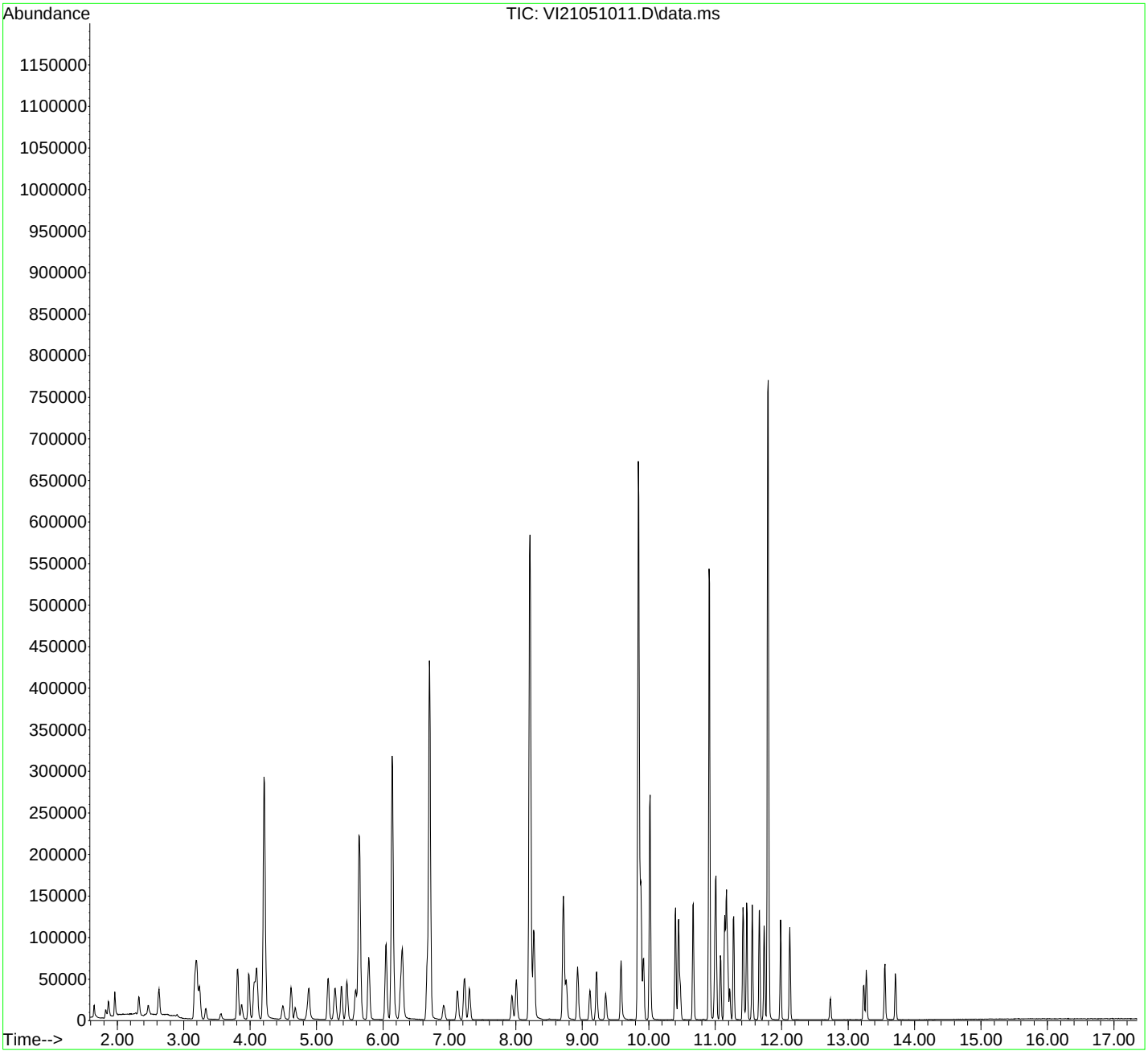
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129777	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	354621	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	171995	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	129423	50.95	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	404377	50.29	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	466984	48.69	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	141803	47.65	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	12905	5.82	ug/L		99
3) Chloromethane	1.867	50	18103	6.00	ug/L		97
4) Vinyl Chloride	1.965	62	22506	10.12	ug/L		83
5) Bromomethane	2.323	96	10810	11.73	ug/L		95
6) Chloroethane	2.463	64	14975	20.64	ug/L		73
7) Trichlorofluoromethane	2.628	101	25047	9.45	ug/L		99
8) Ethanol	3.163	45	39006	675.39	ug/L		85
9) 1,1-Dichloroethene	3.187	61	30719	10.02	ug/L		93
10) Carbon Disulfide	3.206	76	50163	9.77	ug/L		99
11) Freon 113	3.236	101	20081	9.59	ug/L		96
12) Iodomethane	3.333	142	14740	17.78	ug/L		91
13) Acrolein	3.558	56	6237	9.64	ug/L		67
14) Methylene Chloride	3.814	84	31154	13.20	ug/L		86
15) Acetone	3.875	43	23804	22.74	ug/L		95
16) t-1,2-Dichloroethene	3.978	61	30859	10.70	ug/L		90
17) n-Hexane	4.063	86	3747	9.17	ug/L	#	84
18) Methyl-tert-butyl-ether	4.100	73	72079	10.54	ug/L		91
19) tert-Butanol (TBA)	4.209	59	387279	689.82	ug/L		87
20) Diisopropyl ether (DIPE)	4.495	45	16537	2.70	ug/L		92
21) 1,1-Dichloroethane	4.617	63	39824	9.61	ug/L		95
22) Acrylonitrile	4.678	53	12805	10.60	ug/L		96
23) Ethyl-tert-butyl ether...	4.866	59	16664	2.73	ug/L		98
24) Vinyl Acetate	4.885	43	51418	11.21	ug/L		97
25) c-1,2-Dichloroethene	5.171	61	30375	10.43	ug/L		92

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	27386	9.13	ug/L		94
27) Bromochloromethane	5.377	130	16774	10.68	ug/L		90
28) Chloroform	5.457	83	41262	10.46	ug/L		98
29) Carbon Tetrachloride	5.590	117	26945	10.99	ug/L		99
30) Tetrahydrofuran	5.627	42	12601	10.85	ug/L		91
31) 1,1,1-Trichloroethane	5.657	97	33327	9.91	ug/L		97
33) 1,1-Dichloropropene	5.791	75	30076	10.43	ug/L		95
34) 2-Butanone (MEK)	5.779	43	36947	21.77	ug/L		98
35) Benzene	6.047	78	92103	9.77	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	16071	2.50	ug/L		95
37) 1,2-Dichloroethane (EDC)	6.260	62	31886	11.01	ug/L		92
38) iso-Butyl Alcohol	6.290	43	57329	295.98	ug/L		96
40) Trichloroethene (TCE)	6.667	130	23572	10.33	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	11798	2.90	ug/L		87
42) Dibromomethane	7.117	93	15399	10.10	ug/L		95
43) 1,2-Dichloropropane	7.227	63	22987	9.87	ug/L		94
44) Bromodichloromethane	7.300	83	28659	10.59	ug/L		92
46) 2-Chloroethyl Vinyl Ether	7.939	63	15930	9.79	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	32612	9.37	ug/L		89
49) Toluene	8.267	91	94330	8.99	ug/L		98
50) Tetrachloroethene (PCE)	8.717	166	23082	9.67	ug/L		92
51) 4-Methyl-2-Pentanone (...	8.717	43	66886	21.27	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	27931	8.71	ug/L		100
53) 1,1,2-Trichloroethane	8.930	97	23018	9.93	ug/L		91
54) Dibromochloromethane	9.113	129	21189	9.63	ug/L		98
55) 1,3-Dichloropropane	9.216	76	37536	9.73	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	23654	9.31	ug/L		94
57) 2-Hexanone	9.581	43	47937	20.25	ug/L		92
58) Chlorobenzene	9.861	112	61345	9.37	ug/L		97
59) Ethylbenzene	9.885	91	98706	9.41	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.922	131	19651	9.60	ug/L		95
61) m,p-Xylenes (2)	10.019	91	148972	19.38	ug/L		99
62) o-Xylene	10.402	91	74748	9.52	ug/L		99
63) Styrene	10.451	104	58419	9.94	ug/L		98
64) Bromoform	10.475	173	14785	10.62	ug/L		97
65) Isopropylbenzene	10.670	105	88770	10.02	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.999	156	24854	8.78	ug/L		89
69) n-Propylbenzene	11.011	91	101055	8.89	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	21686	8.67	ug/L		96
71) 2-Chlorotoluene	11.145	126	21787	8.86	ug/L		98
72) 1,3,5-Trimethylbenzene	11.169	105	67038	9.85	ug/L		96
73) 1,2,3-Trichloropropane	11.187	110	10643	8.82	ug/L		88
74) t-1,4-Dichloro-2-butene	11.218	53	6985	8.38	ug/L	#	72
75) 4-Chlorotoluene	11.272	91	63826	9.07	ug/L		93
76) tert-Butylbenzene	11.418	91	39054	8.76	ug/L		96
77) 1,2,4-Trimethylbenzene	11.473	105	67691	9.87	ug/L		95
78) sec-Butylbenzene	11.558	105	82831	9.15	ug/L		98
79) 4-Isopropyltoluene	11.668	119	66759	9.50	ug/L		99
80) 1,3-Dichlorobenzene	11.735	146	41415	9.00	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	42851	8.95	ug/L		94
82) n-Butylbenzene	11.984	91	53942	9.29	ug/L		97
83) 1,2-Dichlorobenzene	12.124	146	39285	8.88	ug/L		99
84) 1,2-Dibromo-3-Chloropr...	12.732	157	6603	7.50	ug/L		83
85) Hexachlorobutadiene	13.237	223	4984	8.67	ug/L		97
86) 1,2,4-Trichlorobenzene	13.274	180	17928	14.48	ug/L		95
87) Naphthalene	13.554	128	51004	11.01	ug/L		97
88) 1,2,3-Trichlorobenzene	13.712	180	16354	13.27	ug/L		96

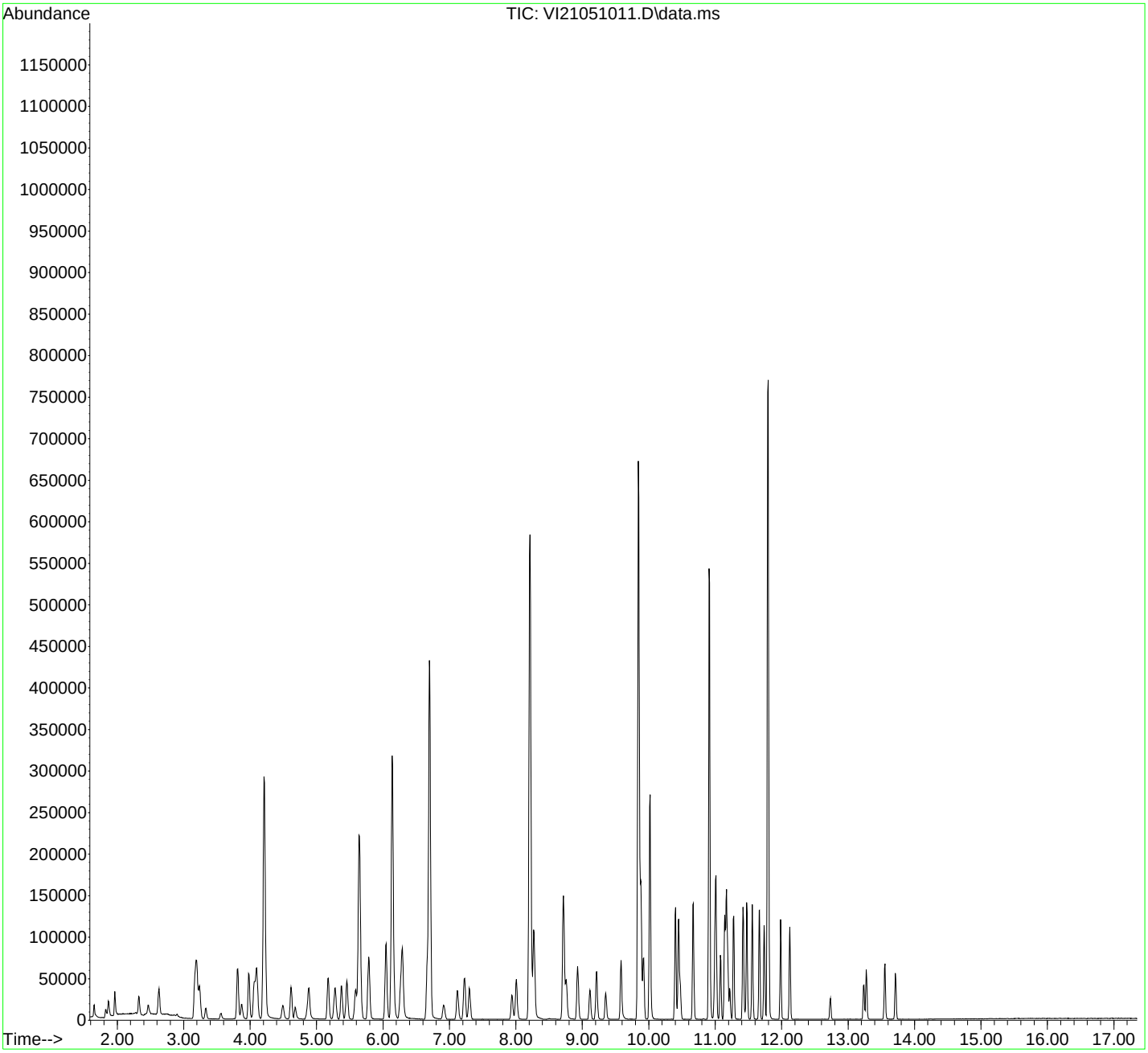
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051011.D
Acq On : 10 May 2021 7:50 pm
Operator : PS
Sample : 1E10062-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:40:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	132602	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	355336	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	179037	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	130215	50.17	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.698	114	406309	49.45	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	468341	48.73	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.914	174	143835	46.43	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	25759	12.06	ug/L		97
3) Chloromethane	1.861	50	34840	11.53	ug/L		97
4) Vinyl Chloride	1.958	62	42851	18.86	ug/L		90
5) Bromomethane	2.324	96	19563	20.77	ug/L		94
6) Chloroethane	2.451	64	24052	33.74	ug/L		82
7) Trichlorofluoromethane	2.622	101	47979	17.72	ug/L		98
8) Ethanol	3.163	45	75695	1282.74	ug/L		83
9) 1,1-Dichloroethene	3.181	61	59551	19.02	ug/L		93
10) Carbon Disulfide	3.200	76	97218	18.52	ug/L		98
11) Freon 113	3.230	101	39528	18.48	ug/L		97
12) Iodomethane	3.327	142	30892	36.48	ug/L		90
13) Acrolein	3.552	56	12370	18.72	ug/L		78
14) Methylene Chloride	3.808	84	49652	20.59	ug/L		88
15) Acetone	3.869	43	44222	41.34	ug/L		92
16) t-1,2-Dichloroethene	3.978	61	60093	20.39	ug/L		91
17) n-Hexane	4.057	86	7565	18.12	ug/L	#	92
18) Methyl-tert-butyl-ether	4.094	73	140028	20.04	ug/L		94
19) tert-Butanol (TBA)	4.209	59	763157	1330.37	ug/L		85
20) Diisopropyl ether (DIPE)	4.489	45	32274	5.16	ug/L		95
21) 1,1-Dichloroethane	4.611	63	77140	18.21	ug/L		95
22) Acrylonitrile	4.672	53	25537	20.68	ug/L		96
23) Ethyl-tert-butyl ether...	4.860	59	32475	5.22	ug/L		99
24) Vinyl Acetate	4.879	43	98975	21.11	ug/L		98
25) c-1,2-Dichloroethene	5.171	61	58837	19.78	ug/L		90

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.274	77	52336	17.07	ug/L		98
27) Bromochloromethane	5.371	130	32543	20.27	ug/L		94
28) Chloroform	5.457	83	78975	19.60	ug/L		98
29) Carbon Tetrachloride	5.584	117	52962	21.15	ug/L		94
30) Tetrahydrofuran	5.621	42	24225	20.41	ug/L		86
31) 1,1,1-Trichloroethane	5.657	97	66173	19.25	ug/L		96
33) 1,1-Dichloropropene	5.785	75	58528	19.86	ug/L		95
34) 2-Butanone (MEK)	5.773	43	74353	42.87	ug/L		99
35) Benzene	6.041	78	179857	18.67	ug/L		98
36) tert-Amyl methyl ether...	6.162	73	31333	4.76	ug/L		96
37) 1,2-Dichloroethane (EDC)	6.260	62	61448	20.77	ug/L		91
38) iso-Butyl Alcohol	6.290	43	114502	578.56	ug/L		93
40) Trichloroethene (TCE)	6.661	130	46158	19.79	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.911	59	22851	5.50	ug/L		84
42) Dibromomethane	7.117	93	31082	19.95	ug/L		95
43) 1,2-Dichloropropane	7.221	63	43901	18.46	ug/L		95
44) Bromodichloromethane	7.300	83	56177	20.31	ug/L		92
46) 2-Chloroethyl Vinyl Ether	7.939	63	32912	20.19	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	66396	19.04	ug/L		88
49) Toluene	8.267	91	182825	17.39	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	45987	19.22	ug/L		95
51) 4-Methyl-2-Pentanone (...	8.711	43	132575	42.07	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	57313	17.83	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	44506	19.16	ug/L		92
54) Dibromochloromethane	9.113	129	42538	19.29	ug/L		96
55) 1,3-Dichloropropane	9.216	76	73583	19.04	ug/L		91
56) 1,2-Dibromoethane (EDB)	9.350	107	46488	18.26	ug/L		94
57) 2-Hexanone	9.581	43	97089	40.92	ug/L		91
58) Chlorobenzene	9.861	112	118417	18.06	ug/L		98
59) Ethylbenzene	9.879	91	193579	18.42	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.922	131	38387	18.72	ug/L		97
61) m,p-Xylenes (2)	10.019	91	296089	38.44	ug/L		99
62) o-Xylene	10.402	91	149845	19.04	ug/L		99
63) Styrene	10.445	104	118462	20.11	ug/L		97
64) Bromoform	10.476	173	30996	22.22	ug/L		96
65) Isopropylbenzene	10.670	105	176689	19.91	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.993	156	49648	16.84	ug/L		84
69) n-Propylbenzene	11.011	91	202407	17.10	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	43036	16.53	ug/L		95
71) 2-Chlorotoluene	11.145	126	43462	16.98	ug/L		96
72) 1,3,5-Trimethylbenzene	11.169	105	138473	19.54	ug/L		98
73) 1,2,3-Trichloropropane	11.187	110	20604	16.41	ug/L		94
74) t-1,4-Dichloro-2-butene	11.218	53	14672	16.90	ug/L	#	74
75) 4-Chlorotoluene	11.272	91	128791	17.58	ug/L		95
76) tert-Butylbenzene	11.418	91	79054	17.03	ug/L		93
77) 1,2,4-Trimethylbenzene	11.473	105	139569	19.35	ug/L		96
78) sec-Butylbenzene	11.558	105	168646	17.91	ug/L		99
79) 4-Isopropyltoluene	11.662	119	139820	19.10	ug/L		99
80) 1,3-Dichlorobenzene	11.735	146	82740	17.28	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	86725	17.40	ug/L		95
82) n-Butylbenzene	11.984	91	116066	18.84	ug/L		98
83) 1,2-Dichlorobenzene	12.124	146	79780	17.33	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.733	157	13700	14.95	ug/L		88
85) Hexachlorobutadiene	13.231	223	10679	17.84	ug/L		98
86) 1,2,4-Trichlorobenzene	13.274	180	38178	26.84	ug/L		96
87) Naphthalene	13.554	128	117263	22.08	ug/L		98
88) 1,2,3-Trichlorobenzene	13.712	180	34679	25.27	ug/L		96

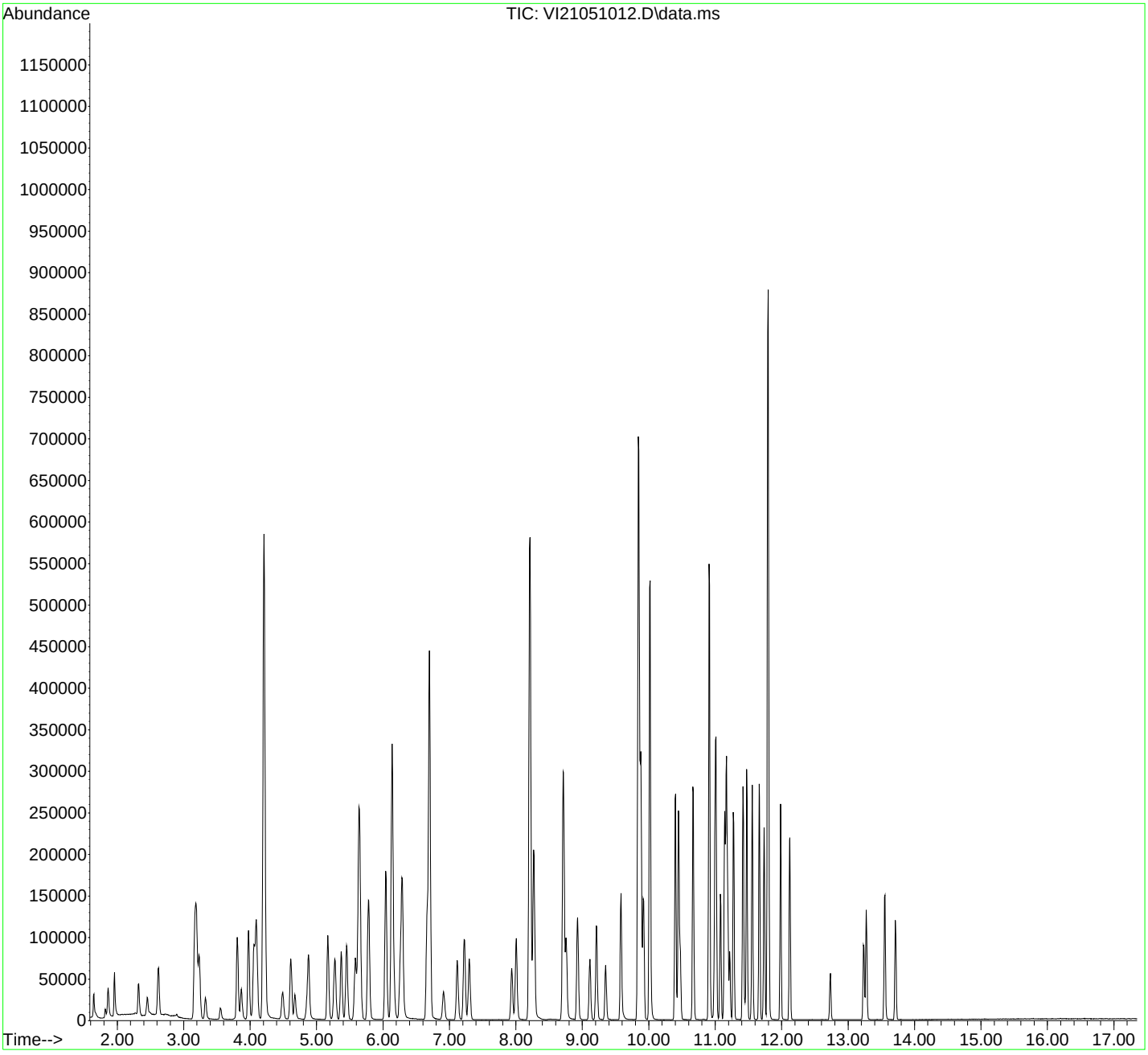
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	132602	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	355336	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	179037	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	130215	50.17	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.698	114	406309	49.45	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	468341	48.73	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.914	174	143835	46.43	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	25759	12.06	ug/L		97
3) Chloromethane	1.861	50	34840	11.53	ug/L		97
4) Vinyl Chloride	1.958	62	42851	18.86	ug/L		90
5) Bromomethane	2.324	96	19563	20.77	ug/L		94
6) Chloroethane	2.451	64	24052	33.74	ug/L		82
7) Trichlorofluoromethane	2.622	101	47979	17.72	ug/L		98
8) Ethanol	3.163	45	75695	1282.74	ug/L		83
9) 1,1-Dichloroethene	3.181	61	59551	19.02	ug/L		93
10) Carbon Disulfide	3.200	76	97218	18.52	ug/L		98
11) Freon 113	3.230	101	39528	18.48	ug/L		97
12) Iodomethane	3.327	142	30892	36.48	ug/L		90
13) Acrolein	3.552	56	12370	18.72	ug/L		78
14) Methylene Chloride	3.808	84	49652	20.59	ug/L		88
15) Acetone	3.869	43	44222	41.34	ug/L		92
16) t-1,2-Dichloroethene	3.978	61	60093	20.39	ug/L		91
17) n-Hexane	4.057	86	7565	18.12	ug/L	#	92
18) Methyl-tert-butyl-ether	4.094	73	140028	20.04	ug/L		94
19) tert-Butanol (TBA)	4.209	59	763157	1330.37	ug/L		85
20) Diisopropyl ether (DIPE)	4.489	45	32274	5.16	ug/L		95
21) 1,1-Dichloroethane	4.611	63	77140	18.21	ug/L		95
22) Acrylonitrile	4.672	53	25537	20.68	ug/L		96
23) Ethyl-tert-butyl ether...	4.860	59	32475	5.22	ug/L		99
24) Vinyl Acetate	4.879	43	98975	21.11	ug/L		98
25) c-1,2-Dichloroethene	5.171	61	58837	19.78	ug/L		90

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.274	77	52336	17.07	ug/L		98
27) Bromochloromethane	5.371	130	32543	20.27	ug/L		94
28) Chloroform	5.457	83	78975	19.60	ug/L		98
29) Carbon Tetrachloride	5.584	117	52962	21.15	ug/L		94
30) Tetrahydrofuran	5.621	42	24225	20.41	ug/L		86
31) 1,1,1-Trichloroethane	5.657	97	66173	19.25	ug/L		96
33) 1,1-Dichloropropene	5.785	75	58528	19.86	ug/L		95
34) 2-Butanone (MEK)	5.773	43	74353	42.87	ug/L		99
35) Benzene	6.041	78	179857	18.67	ug/L		98
36) tert-Amyl methyl ether...	6.162	73	31333	4.76	ug/L		96
37) 1,2-Dichloroethane (EDC)	6.260	62	61448	20.77	ug/L		91
38) iso-Butyl Alcohol	6.290	43	114502	578.56	ug/L		93
40) Trichloroethene (TCE)	6.661	130	46158	19.79	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.911	59	22851	5.50	ug/L		84
42) Dibromomethane	7.117	93	31082	19.95	ug/L		95
43) 1,2-Dichloropropane	7.221	63	43901	18.46	ug/L		95
44) Bromodichloromethane	7.300	83	56177	20.31	ug/L		92
46) 2-Chloroethyl Vinyl Ether	7.939	63	32912	20.19	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	66396	19.04	ug/L		88
49) Toluene	8.267	91	182825	17.39	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	45987	19.22	ug/L		95
51) 4-Methyl-2-Pentanone (...	8.711	43	132575	42.07	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	57313	17.83	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	44506	19.16	ug/L		92
54) Dibromochloromethane	9.113	129	42538	19.29	ug/L		96
55) 1,3-Dichloropropane	9.216	76	73583	19.04	ug/L		91
56) 1,2-Dibromoethane (EDB)	9.350	107	46488	18.26	ug/L		94
57) 2-Hexanone	9.581	43	97089	40.92	ug/L		91
58) Chlorobenzene	9.861	112	118417	18.06	ug/L		98
59) Ethylbenzene	9.879	91	193579	18.42	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.922	131	38387	18.72	ug/L		97
61) m,p-Xylenes (2)	10.019	91	296089	38.44	ug/L		99
62) o-Xylene	10.402	91	149845	19.04	ug/L		99
63) Styrene	10.445	104	118462	20.11	ug/L		97
64) Bromoform	10.476	173	30996	22.22	ug/L		96
65) Isopropylbenzene	10.670	105	176689	19.91	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.993	156	49648	16.84	ug/L		84
69) n-Propylbenzene	11.011	91	202407	17.10	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	43036	16.53	ug/L		95
71) 2-Chlorotoluene	11.145	126	43462	16.98	ug/L		96
72) 1,3,5-Trimethylbenzene	11.169	105	138473	19.54	ug/L		98
73) 1,2,3-Trichloropropane	11.187	110	20604	16.41	ug/L		94
74) t-1,4-Dichloro-2-butene	11.218	53	14672	16.90	ug/L	#	74
75) 4-Chlorotoluene	11.272	91	128791	17.58	ug/L		95
76) tert-Butylbenzene	11.418	91	79054	17.03	ug/L		93
77) 1,2,4-Trimethylbenzene	11.473	105	139569	19.35	ug/L		96
78) sec-Butylbenzene	11.558	105	168646	17.91	ug/L		99
79) 4-Isopropyltoluene	11.662	119	139820	19.10	ug/L		99
80) 1,3-Dichlorobenzene	11.735	146	82740	17.28	ug/L		98
81) 1,4-Dichlorobenzene	11.802	146	86725	17.40	ug/L		95
82) n-Butylbenzene	11.984	91	116066	18.84	ug/L		98
83) 1,2-Dichlorobenzene	12.124	146	79780	17.33	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.733	157	13700	14.95	ug/L		88
85) Hexachlorobutadiene	13.231	223	10679	17.84	ug/L		98
86) 1,2,4-Trichlorobenzene	13.274	180	38178	20.84	ug/L		96
87) Naphthalene	13.554	128	117263	22.08	ug/L		98
88) 1,2,3-Trichlorobenzene	13.712	180	34679	25.27	ug/L		96

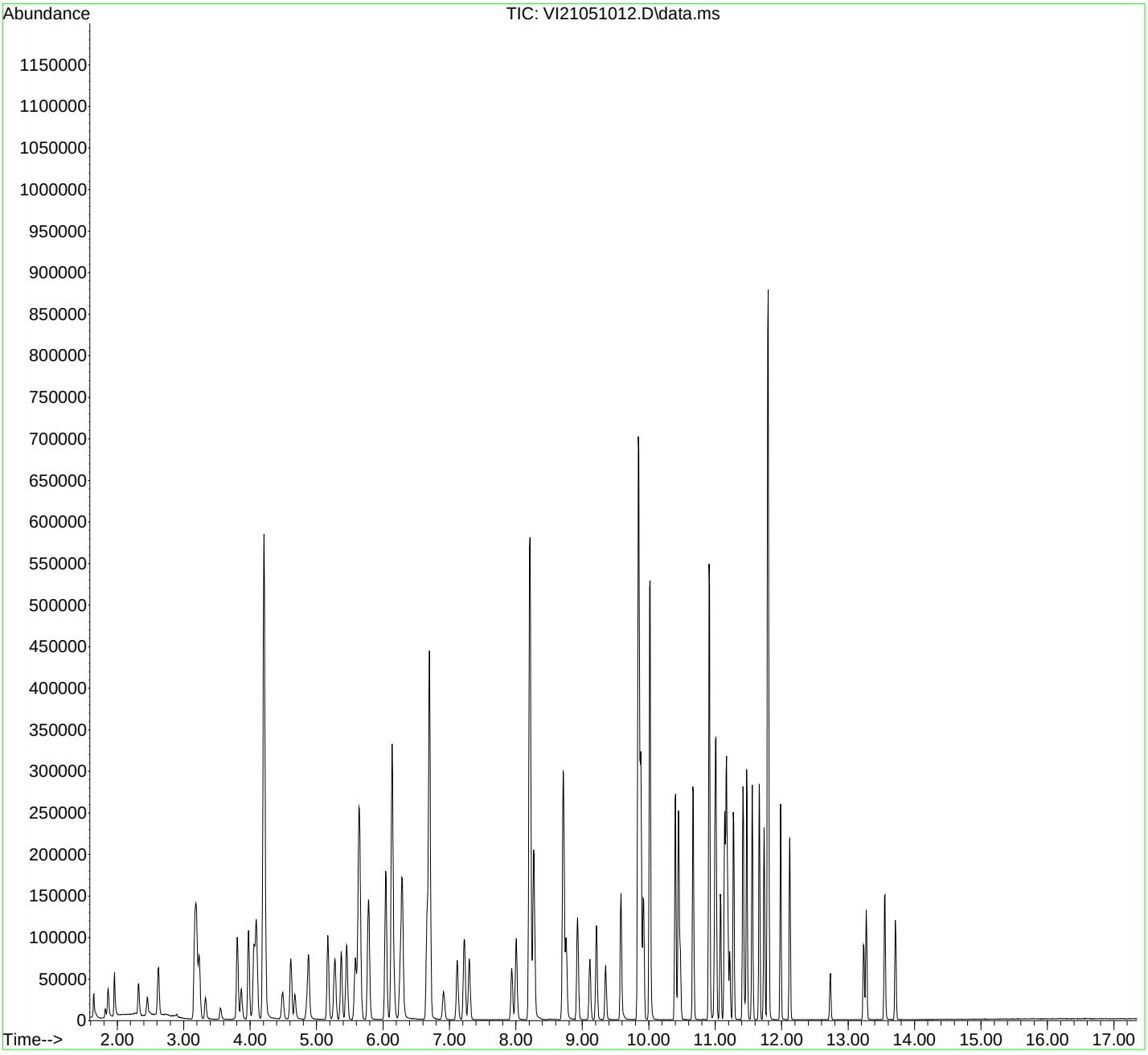
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051012.D
Acq On : 10 May 2021 8:18 pm
Operator : PS
Sample : 1E10062-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:42:15 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	133359	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	365248	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	181935	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	134158	51.40	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	414669	50.19	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	476910	48.28	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	146860	46.65	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	72154	Below Cal			99
3) Chloromethane	1.867	50	94706	32.72	ug/L		97
4) Vinyl Chloride	1.964	62	116923	51.18	ug/L		93
5) Bromomethane	2.323	96	53264	56.24	ug/L		98
6) Chloroethane	2.457	64	55466	90.56	ug/L		81
7) Trichlorofluoromethane	2.621	101	128709	47.27	ug/L		98
8) Ethanol	3.163	45	151480	2552.44	ug/L		88
9) 1,1-Dichloroethene	3.181	61	165213	52.46	ug/L		94
10) Carbon Disulfide	3.199	76	269649	51.08	ug/L		98
11) Freon 113	3.236	101	108606	50.49	ug/L		98
12) Iodomethane	3.333	142	96975	113.86	ug/L		92
13) Acrolein	3.558	56	33176	49.91	ug/L		72
14) Methylene Chloride	3.808	84	124991	51.53	ug/L		87
15) Acetone	3.869	43	111862	103.98	ug/L		93
16) t-1,2-Dichloroethene	3.978	61	162196	54.72	ug/L		90
17) n-Hexane	4.057	86	21225	50.55	ug/L	#	91
18) Methyl-tert-butyl-ether	4.094	73	376128	53.51	ug/L		92
19) tert-Butanol (TBA)	4.209	59	1535643	2661.81	ug/L		84
20) Diisopropyl ether (DIPE)	4.489	45	66435	10.55	ug/L		95
21) 1,1-Dichloroethane	4.617	63	206585	48.49	ug/L		96
22) Acrylonitrile	4.672	53	67678	54.50	ug/L		100
23) Ethyl-tert-butyl ether...	4.866	59	66942	10.69	ug/L		100
24) Vinyl Acetate	4.878	43	274367	58.19	ug/L		97
25) c-1,2-Dichloroethene	5.170	61	158798	53.08	ug/L		88

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	146584	47.54	ug/L		94
27) Bromochloromethane	5.371	130	89667	55.54	ug/L		94
28) Chloroform	5.456	83	214797	52.99	ug/L		96
29) Carbon Tetrachloride	5.584	117	148752	59.07	ug/L		93
30) Tetrahydrofuran	5.621	42	63408	53.13	ug/L		86
31) 1,1,1-Trichloroethane	5.657	97	182017	52.66	ug/L		97
33) 1,1-Dichloropropene	5.785	75	161972	54.65	ug/L		93
34) 2-Butanone (MEK)	5.773	43	191392	109.74	ug/L		98
35) Benzene	6.040	78	483930	49.95	ug/L		97
36) tert-Amyl methyl ether...	6.162	73	64754	9.79	ug/L		95
37) 1,2-Dichloroethane (EDC)	6.259	62	164873	55.42	ug/L		92
38) iso-Butyl Alcohol	6.290	43	303086	1522.74	ug/L		93
40) Trichloroethene (TCE)	6.661	130	126929	54.11	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	46370	11.10	ug/L		81
42) Dibromomethane	7.117	93	84319	53.82	ug/L		97
43) 1,2-Dichloropropane	7.227	63	118662	49.60	ug/L		94
44) Bromodichloromethane	7.300	83	157972	56.79	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.938	63	91731	54.76	ug/L	#	100
47) c-1,3-Dichloropropene	8.005	75	186640	52.06	ug/L		88
49) Toluene	8.267	91	496582	45.95	ug/L		100
50) Tetrachloroethene (PCE)	8.717	166	127597	51.88	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	357711	110.43	ug/L		95
52) t-1,3-Dichloropropene	8.754	75	167984	50.85	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	121330	50.82	ug/L		92
54) Dibromochloromethane	9.113	129	123107	54.32	ug/L		98
55) 1,3-Dichloropropane	9.210	76	196625	49.50	ug/L		93
56) 1,2-Dibromoethane (EDB)	9.350	107	128683	49.17	ug/L		96
57) 2-Hexanone	9.581	43	262485	107.63	ug/L		91
58) Chlorobenzene	9.861	112	327923	48.65	ug/L		98
59) Ethylbenzene	9.879	91	525859	48.67	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	110086	52.24	ug/L		97
61) m,p-Xylenes (2)	10.019	91	805599	101.74	ug/L		99
62) o-Xylene	10.402	91	408383	50.50	ug/L		99
63) Styrene	10.445	104	331015	54.67	ug/L		96
64) Bromoform	10.475	173	91876	64.09	ug/L		97
65) Isopropylbenzene	10.664	105	478351	52.44	ug/L		100

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	10.992	156	135066	45.09	ug/L	84
69) n-Propylbenzene	11.011	91	548138	45.57	ug/L	99
70) 1,1,2,2-Tetrachloroethane	11.078	85	114880	43.42	ug/L	95
71) 2-Chlorotoluene	11.144	126	117010	45.00	ug/L	96
72) 1,3,5-Trimethylbenzene	11.169	105	378675	52.58	ug/L	97
73) 1,2,3-Trichloropropane	11.187	110	55415	43.42	ug/L	87
74) t-1,4-Dichloro-2-butene	11.217	53	41043	46.53	ug/L	85
75) 4-Chlorotoluene	11.272	91	345106	46.35	ug/L	95
76) tert-Butylbenzene	11.418	91	209321	44.39	ug/L	95
77) 1,2,4-Trimethylbenzene	11.473	105	380178	50.69	ug/L	95
78) sec-Butylbenzene	11.558	105	447784	46.79	ug/L	98
79) 4-Isopropyltoluene	11.662	119	377020	50.69	ug/L	99
80) 1,3-Dichlorobenzene	11.735	146	225351	46.32	ug/L	99
81) 1,4-Dichlorobenzene	11.802	146	233540	46.11	ug/L	96
82) n-Butylbenzene	11.984	91	311786	48.28	ug/L	99
83) 1,2-Dichlorobenzene	12.124	146	217324	46.46	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	39966	42.93	ug/L	94
85) Hexachlorobutadiene	13.231	223	25675	42.22	ug/L	95
86) 1,2,4-Trichlorobenzene	13.274	180	109843	61.48	ug/L	97
87) Naphthalene	13.554	128	359889	57.00	ug/L	99
88) 1,2,3-Trichlorobenzene	13.712	180	100588	61.87	ug/L	97

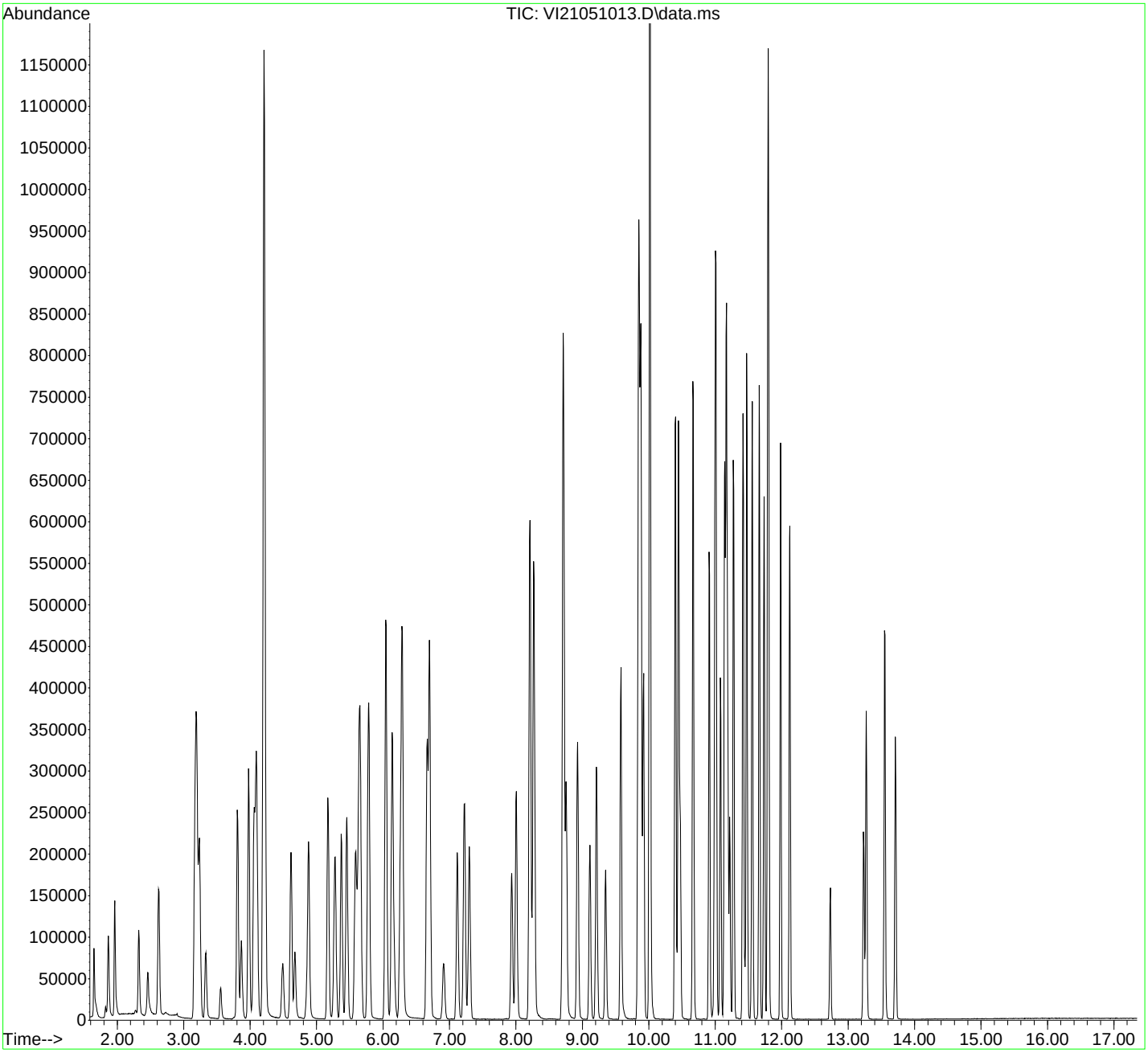
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	133359	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	365248	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	181935	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	134158	51.40	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	414669	50.19	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	476910	48.28	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	146860	46.65	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	72154	Below Cal			99
3) Chloromethane	1.867	50	94706	32.72	ug/L		97
4) Vinyl Chloride	1.964	62	116923	51.18	ug/L		93
5) Bromomethane	2.323	96	53264	56.24	ug/L		98
6) Chloroethane	2.457	64	55466	90.56	ug/L		81
7) Trichlorofluoromethane	2.621	101	128709	47.27	ug/L		98
8) Ethanol	3.163	45	151480	2552.44	ug/L		88
9) 1,1-Dichloroethene	3.181	61	165213	52.46	ug/L		94
10) Carbon Disulfide	3.199	76	269649	51.08	ug/L		98
11) Freon 113	3.236	101	108606	50.49	ug/L		98
12) Iodomethane	3.333	142	96975	113.86	ug/L		92
13) Acrolein	3.558	56	33176	49.91	ug/L		72
14) Methylene Chloride	3.808	84	124991	51.53	ug/L		87
15) Acetone	3.869	43	111862	103.98	ug/L		93
16) t-1,2-Dichloroethene	3.978	61	162196	54.72	ug/L		90
17) n-Hexane	4.057	86	21225	50.55	ug/L	#	91
18) Methyl-tert-butyl-ether	4.094	73	376128	53.51	ug/L		92
19) tert-Butanol (TBA)	4.209	59	1535643	2661.81	ug/L		84
20) Diisopropyl ether (DIPE)	4.489	45	66435	10.55	ug/L		95
21) 1,1-Dichloroethane	4.617	63	206585	48.49	ug/L		96
22) Acrylonitrile	4.672	53	67678	54.50	ug/L		100
23) Ethyl-tert-butyl ether...	4.866	59	66942	10.69	ug/L		100
24) Vinyl Acetate	4.878	43	274367	58.19	ug/L		97
25) c-1,2-Dichloroethene	5.170	61	158798	53.08	ug/L		88

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	146584	47.54	ug/L		94
27) Bromochloromethane	5.371	130	89667	55.54	ug/L		94
28) Chloroform	5.456	83	214797	52.99	ug/L		96
29) Carbon Tetrachloride	5.584	117	148752	59.07	ug/L		93
30) Tetrahydrofuran	5.621	42	63408	53.13	ug/L		86
31) 1,1,1-Trichloroethane	5.657	97	182017	52.66	ug/L		97
33) 1,1-Dichloropropene	5.785	75	161972	54.65	ug/L		93
34) 2-Butanone (MEK)	5.773	43	191392	109.74	ug/L		98
35) Benzene	6.040	78	483930	49.95	ug/L		97
36) tert-Amyl methyl ether...	6.162	73	64754	9.79	ug/L		95
37) 1,2-Dichloroethane (EDC)	6.259	62	164873	55.42	ug/L		92
38) iso-Butyl Alcohol	6.290	43	303086	1522.74	ug/L		93
40) Trichloroethene (TCE)	6.661	130	126929	54.11	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	46370	11.10	ug/L		81
42) Dibromomethane	7.117	93	84319	53.82	ug/L		97
43) 1,2-Dichloropropane	7.227	63	118662	49.60	ug/L		94
44) Bromodichloromethane	7.300	83	157972	56.79	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.938	63	91731	54.76	ug/L	#	100
47) c-1,3-Dichloropropene	8.005	75	186640	52.06	ug/L		88
49) Toluene	8.267	91	496582	45.95	ug/L		100
50) Tetrachloroethene (PCE)	8.717	166	127597	51.88	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	357711	110.43	ug/L		95
52) t-1,3-Dichloropropene	8.754	75	167984	50.85	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	121330	50.82	ug/L		92
54) Dibromochloromethane	9.113	129	123107	54.32	ug/L		98
55) 1,3-Dichloropropane	9.210	76	196625	49.50	ug/L		93
56) 1,2-Dibromoethane (EDB)	9.350	107	128683	49.17	ug/L		96
57) 2-Hexanone	9.581	43	262485	107.63	ug/L		91
58) Chlorobenzene	9.861	112	327923	48.65	ug/L		98
59) Ethylbenzene	9.879	91	525859	48.67	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	110086	52.24	ug/L		97
61) m,p-Xylenes (2)	10.019	91	805599	101.74	ug/L		99
62) o-Xylene	10.402	91	408383	50.50	ug/L		99
63) Styrene	10.445	104	331015	54.67	ug/L		96
64) Bromoform	10.475	173	91876	64.09	ug/L		97
65) Isopropylbenzene	10.664	105	478351	52.44	ug/L		100

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	10.992	156	135066	45.09	ug/L	84
69) n-Propylbenzene	11.011	91	548138	45.57	ug/L	99
70) 1,1,2,2-Tetrachloroethane	11.078	85	114880	43.42	ug/L	95
71) 2-Chlorotoluene	11.144	126	117010	45.00	ug/L	96
72) 1,3,5-Trimethylbenzene	11.169	105	378675	52.58	ug/L	97
73) 1,2,3-Trichloropropane	11.187	110	55415	43.42	ug/L	87
74) t-1,4-Dichloro-2-butene	11.217	53	41043	46.53	ug/L	85
75) 4-Chlorotoluene	11.272	91	345106	46.35	ug/L	95
76) tert-Butylbenzene	11.418	91	209321	44.39	ug/L	95
77) 1,2,4-Trimethylbenzene	11.473	105	380178	50.69	ug/L	95
78) sec-Butylbenzene	11.558	105	447784	46.79	ug/L	98
79) 4-Isopropyltoluene	11.662	119	377020	50.69	ug/L	99
80) 1,3-Dichlorobenzene	11.735	146	225351	46.32	ug/L	99
81) 1,4-Dichlorobenzene	11.802	146	233540	46.11	ug/L	96
82) n-Butylbenzene	11.984	91	311786	48.28	ug/L	99
83) 1,2-Dichlorobenzene	12.124	146	217324	46.46	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	39966	42.93	ug/L	94
85) Hexachlorobutadiene	13.231	223	25675	42.22	ug/L	95
86) 1,2,4-Trichlorobenzene	13.274	180	109843	61.48	ug/L	97
87) Naphthalene	13.554	128	359889	57.00	ug/L	99
88) 1,2,3-Trichlorobenzene	13.712	180	100588	61.87	ug/L	97

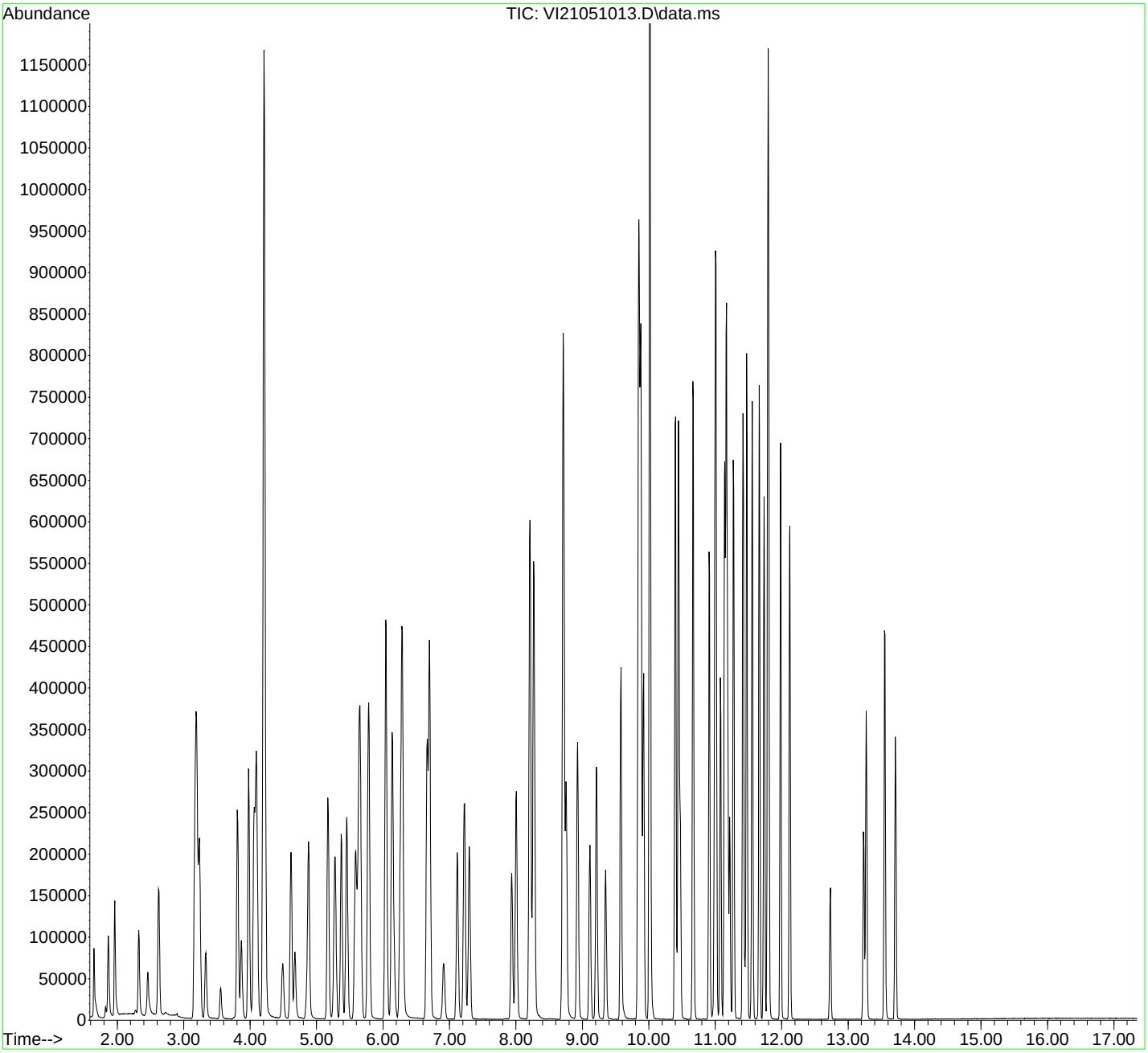
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051013.D
Acq On : 10 May 2021 8:47 pm
Operator : PS
Sample : 1E10062-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:44:09 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051014.D
Acq On : 10 May 2021 9:16 pm
Operator : PS
Sample : 1E10062-IBL3
Misc : 1X 5mL DI
ALS Vial : 14 Sample Multiplier: 1 05/11/21 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:36:17 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	128559	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	339280	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	149079	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	126339	49.57	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	398578	50.19	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	454517	50.75	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	128569	51.61	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.867	50	186	0.10	ug/L	#	47
6) Chloroethane	2.457	64	361	Below Cal		#	36
10) Carbon Disulfide	3.205	76	1667	0.32	ug/L		78
14) Methylene Chloride	3.814	84	3862	1.52	ug/L		88
15) Acetone	3.887	43	1377	1.16	ug/L		93
16) t-1,2-Dichloroethene	3.984	61	259	0.09	ug/L	#	23
19) tert-Butanol (TBA)	4.221	59	136	0.22	ug/L		46
50) Tetrachloroethene (PCE)	8.717	166	203	0.09	ug/L	#	25
59) Ethylbenzene	9.885	91	614	0.06	ug/L		83
61) m,p-Xylenes (2)	10.025	91	1113	0.15	ug/L		95
65) Isopropylbenzene	10.670	105	621	0.07	ug/L		54
69) n-Propylbenzene	11.017	91	1188	0.13	ug/L		87
72) 1,3,5-Trimethylbenzene	11.169	105	685	0.12	ug/L		90
75) 4-Chlorotoluene	11.284	91	712	0.13	ug/L	#	45
76) tert-Butylbenzene	11.418	91	370	0.11	ug/L	#	84
77) 1,2,4-Trimethylbenzene	11.479	105	568	0.10	ug/L		92
78) sec-Butylbenzene	11.558	105	1076	0.15	ug/L		94
79) 4-Isopropyltoluene	11.668	119	853	0.15	ug/L		86
80) 1,3-Dichlorobenzene	11.741	146	553	0.15	ug/L		96
81) 1,4-Dichlorobenzene	11.802	146	682	0.18	ug/L	#	7
82) n-Butylbenzene	11.990	91	889	0.19	ug/L		97
83) 1,2-Dichlorobenzene	12.124	146	398	0.11	ug/L	#	59
85) Hexachlorobutadiene	13.237	223	246	0.57	ug/L		79
86) 1,2,4-Trichlorobenzene	13.280	180	622	0.39	ug/L		84

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051014.D
Acq On : 10 May 2021 9:16 pm
Operator : PS
Sample : 1E10062-IBL3
Misc : 1X 5mL DI
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:36:17 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Naphthalene	13.560	128	1547	0.43	ug/L	81
88) 1,2,3-Trichlorobenzene	13.718	180	660	0.44	ug/L	79

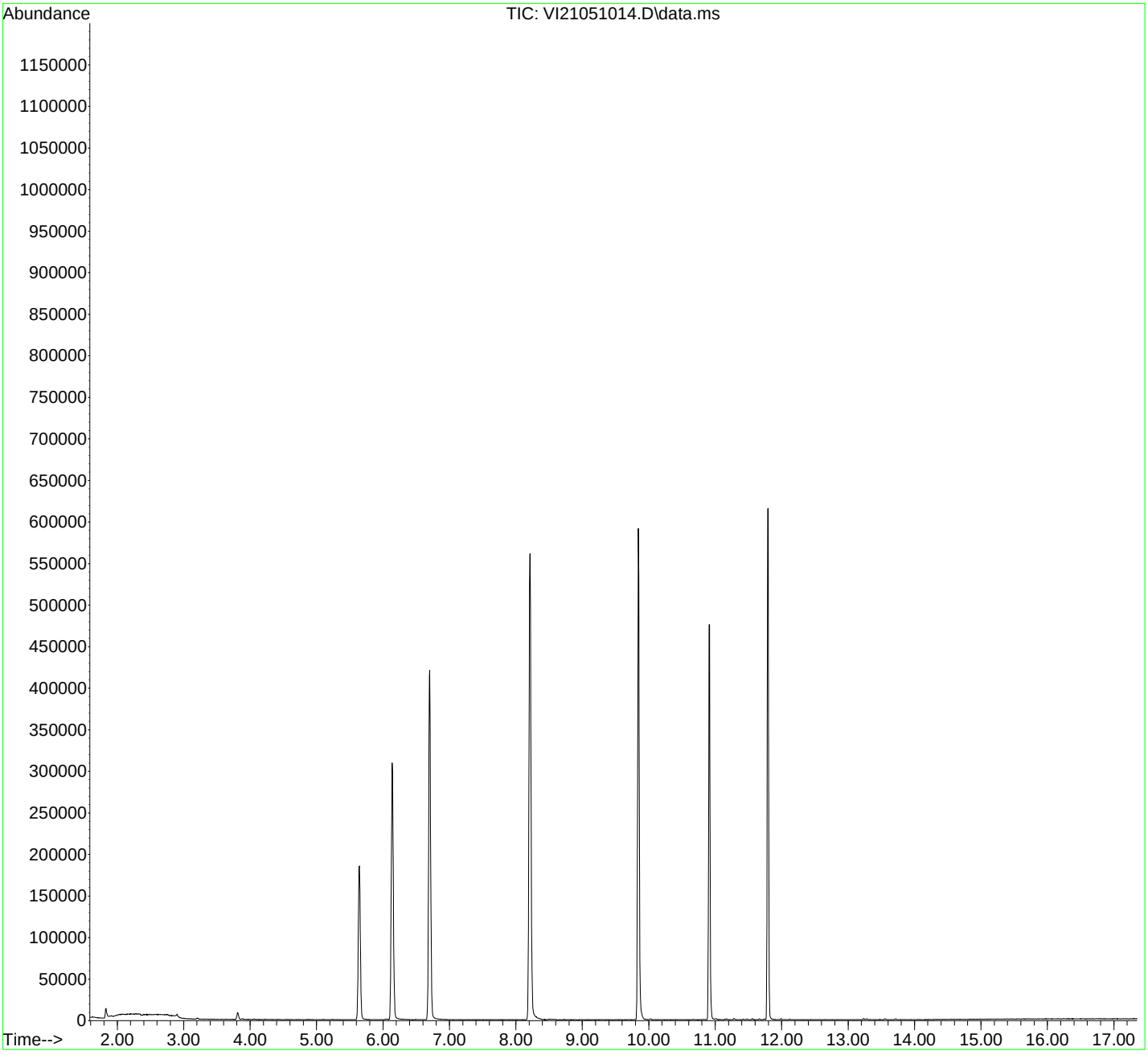
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051014.D
Acq On : 10 May 2021 9:16 pm
Operator : PS
Sample : 1E10062-IBL3
Misc : 1X 5mL DI
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:36:17 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:02 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129368	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	357235	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	177542	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	132079	52.16	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	404248	50.43	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	461300	47.75	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	141270	45.99	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	135587	Below Cal			98
3) Chloromethane	1.873	50	178293	68.47	ug/L		97
4) Vinyl Chloride	1.971	62	222944	100.59	ug/L		95
5) Bromomethane	2.330	96	103077	112.20	ug/L		96
6) Chloroethane	2.457	64	61986	110.82	ug/L		82
7) Trichlorofluoromethane	2.622	101	248334	94.02	ug/L		98
8) Ethanol	3.169	45	281776	4894.40	ug/L		87
9) 1,1-Dichloroethene	3.187	61	316255	103.52	ug/L		90
10) Carbon Disulfide	3.206	76	512072	100.00	ug/L		99
11) Freon 113	3.236	101	205671	98.57	ug/L		98
12) Iodomethane	3.333	142	188701	228.39	ug/L		92
13) Acrolein	3.558	56	66424	103.01	ug/L		74
14) Methylene Chloride	3.814	84	239627	101.84	ug/L		87
15) Acetone	3.869	43	228023	218.49	ug/L		96
16) t-1,2-Dichloroethene	3.978	61	316803	110.17	ug/L		93
17) n-Hexane	4.063	86	40757	100.06	ug/L	#	90
18) Methyl-tert-butyl-ether	4.100	73	741096	108.69	ug/L		94
19) tert-Butanol (TBA)	4.215	59	2875900	5138.73	ug/L		84
20) Diisopropyl ether (DIPE)	4.495	45	126066	20.64	ug/L		93
21) 1,1-Dichloroethane	4.617	63	404743	97.93	ug/L		97
22) Acrylonitrile	4.678	53	137828	114.42	ug/L		97
23) Ethyl-tert-butyl ether...	4.866	59	125935	20.73	ug/L		98
24) Vinyl Acetate	4.885	43	531614	116.23	ug/L		96
25) c-1,2-Dichloroethene	5.171	61	312315	107.61	ug/L		90

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	282987	94.60	ug/L		93
27) Bromochloromethane	5.377	130	174430	111.38	ug/L		90
28) Chloroform	5.457	83	420711	107.00	ug/L		98
29) Carbon Tetrachloride	5.590	117	290012	118.71	ug/L		93
30) Tetrahydrofuran	5.621	42	128652	111.12	ug/L		88
31) 1,1,1-Trichloroethane	5.657	97	352147	105.02	ug/L		96
33) 1,1-Dichloropropene	5.791	75	311925	108.49	ug/L		94
34) 2-Butanone (MEK)	5.773	43	392225	231.82	ug/L		99
35) Benzene	6.047	78	942960	100.33	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	122271	19.06	ug/L		94
37) 1,2-Dichloroethane (EDC)	6.260	62	322585	111.78	ug/L		92
38) iso-Butyl Alcohol	6.290	43	590834	3060.00	ug/L		92
40) Trichloroethene (TCE)	6.667	130	251110	110.36	ug/L		95
41) Tert-Amyl-Ethyl-Ether ...	6.917	59	89108	21.99	ug/L		83
42) Dibromomethane	7.117	93	168211	110.69	ug/L		98
43) 1,2-Dichloropropane	7.227	63	234596	101.09	ug/L		94
44) Bromodichloromethane	7.300	83	313721	116.25	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.939	63	183466	111.97	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	378778	108.02	ug/L		88
49) Toluene	8.267	91	969220	91.69	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	249574	103.75	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	718020	226.63	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	342038	105.86	ug/L		99
53) 1,1,2-Trichloroethane	8.930	97	239487	102.56	ug/L		92
54) Dibromochloromethane	9.113	129	252746	114.01	ug/L		99
55) 1,3-Dichloropropane	9.210	76	390295	100.46	ug/L		92
56) 1,2-Dibromoethane (EDB)	9.350	107	258247	100.88	ug/L		95
57) 2-Hexanone	9.581	43	529649	222.06	ug/L		91
58) Chlorobenzene	9.861	112	634158	96.18	ug/L		98
59) Ethylbenzene	9.879	91	1024091	96.91	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	219931	106.70	ug/L		97
61) m,p-Xylenes (2)	10.019	91	1585556	204.73	ug/L		99
62) o-Xylene	10.402	91	803231	101.55	ug/L		99
63) Styrene	10.445	104	659451	111.36	ug/L		97
64) Bromoform	10.475	173	190713	136.02	ug/L		99
65) Isopropylbenzene	10.664	105	937017	105.03	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	10.999	156	266310	91.11	ug/L	90
69) n-Propylbenzene	11.011	91	1072810	91.40	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.078	85	221012	85.60	ug/L	94
71) 2-Chlorotoluene	11.145	126	232199	91.50	ug/L	97
72) 1,3,5-Trimethylbenzene	11.169	105	756097	107.58	ug/L	98
73) 1,2,3-Trichloropropane	11.187	110	109031	87.54	ug/L	86
74) t-1,4-Dichloro-2-butene	11.218	53	83281	96.75	ug/L	89
75) 4-Chlorotoluene	11.272	91	679397	93.51	ug/L	95
76) tert-Butylbenzene	11.418	91	410975	89.30	ug/L	94
77) 1,2,4-Trimethylbenzene	11.473	105	751719	99.54	ug/L	97
78) sec-Butylbenzene	11.558	105	881161	94.35	ug/L	98
79) 4-Isopropyltoluene	11.662	119	750848	103.46	ug/L	98
80) 1,3-Dichlorobenzene	11.735	146	444081	93.53	ug/L	99
81) 1,4-Dichlorobenzene	11.802	146	459762	93.02	ug/L	97
82) n-Butylbenzene	11.984	91	630234	96.01	ug/L	99
83) 1,2-Dichlorobenzene	12.124	146	422551	92.56	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	83981	92.43	ug/L	93
85) Hexachlorobutadiene	13.237	223	55337	93.25	ug/L	93
86) 1,2,4-Trichlorobenzene	13.274	180	235062	108.14	ug/L	98
87) Naphthalene	13.554	128	796933	109.03	ug/L	98
88) 1,2,3-Trichlorobenzene	13.712	180	219851	115.48	ug/L	96

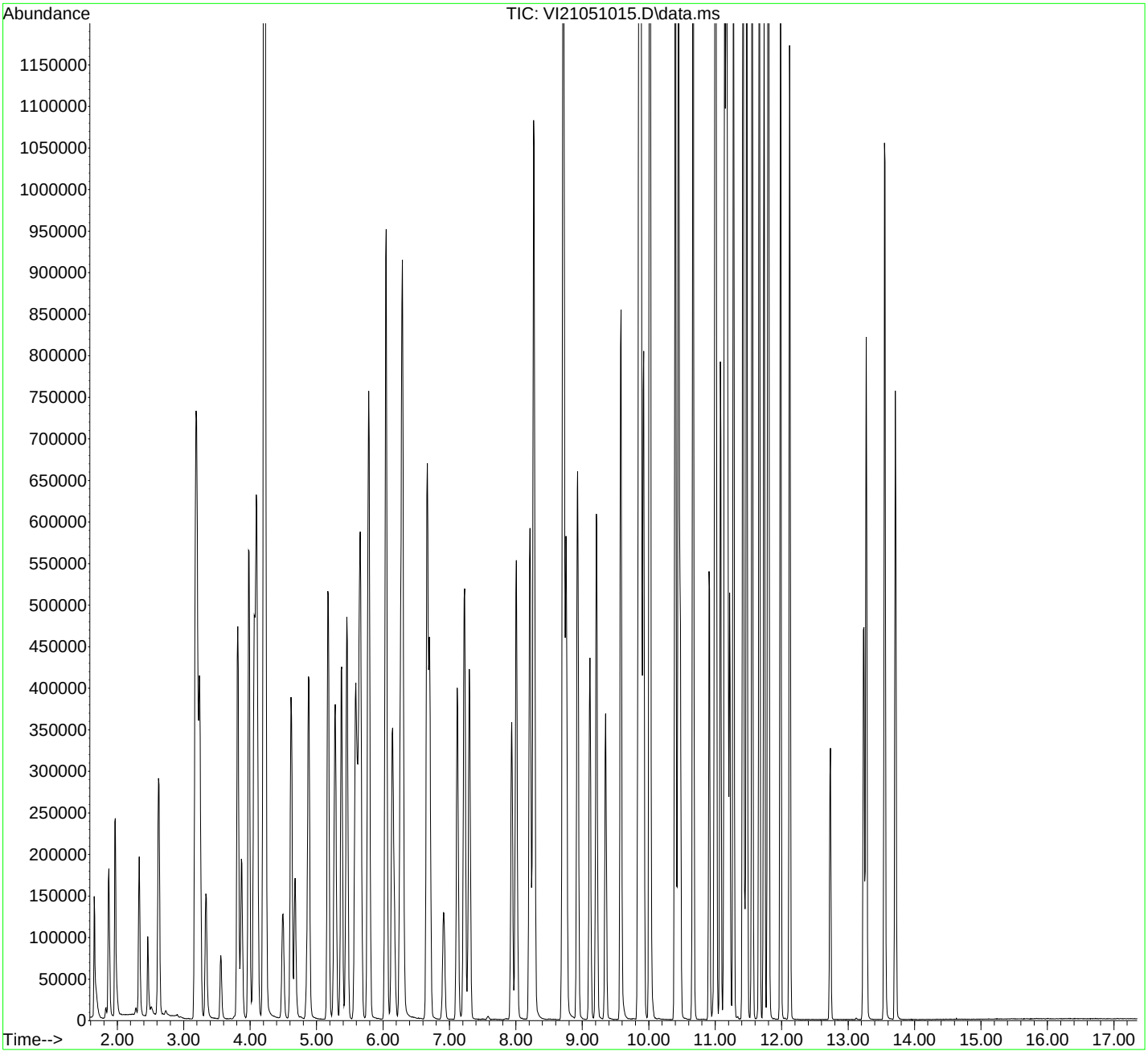
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

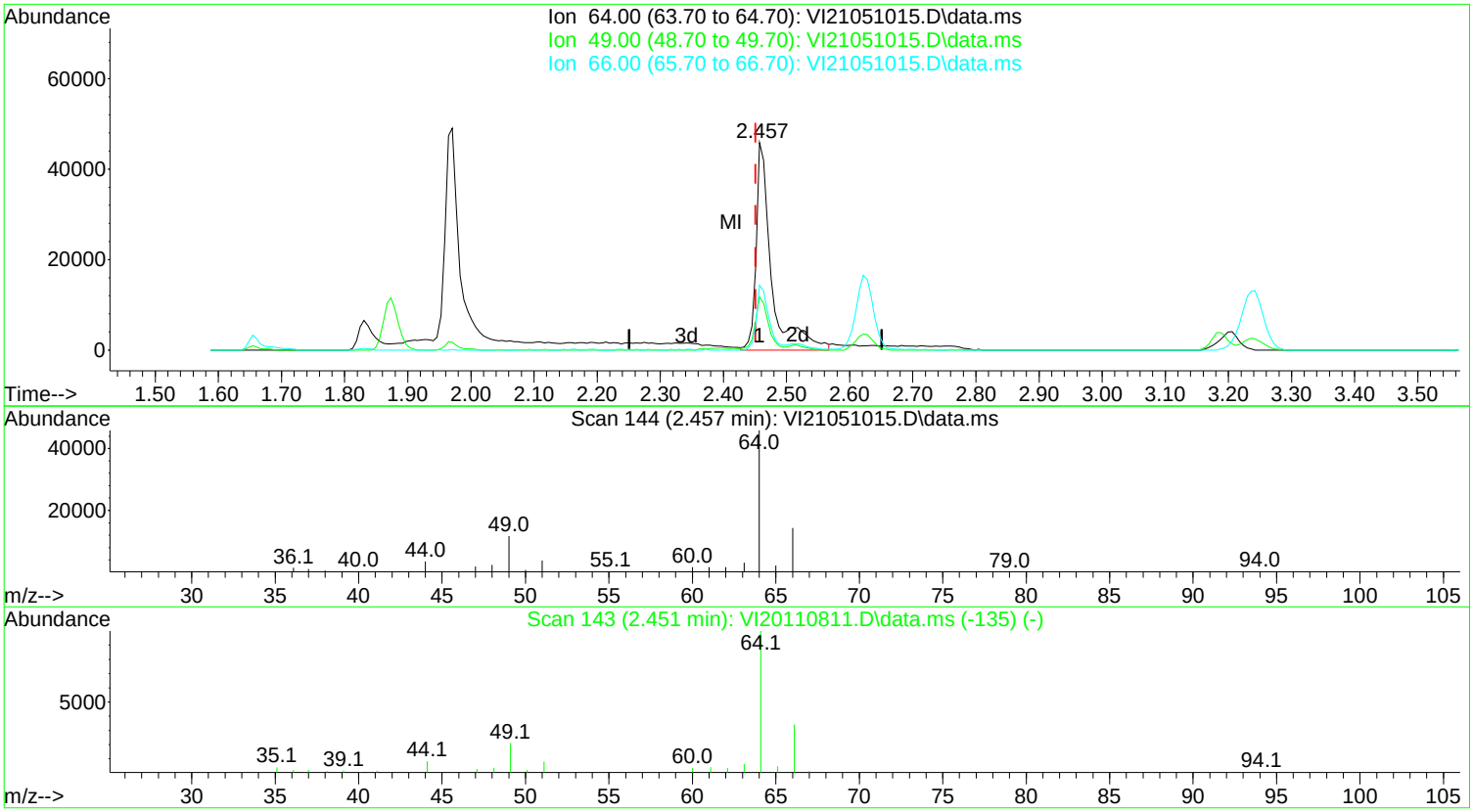


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:02 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



TIC: VI21051015.D\data.ms

(6) Chloroethane

2.457min (+ 0.006) 168.94 ug/L m

response 77778

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	25.59
66.00	38.90	31.15
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 PS

Quant Time: May 11 09:50:28 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129368	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.843	117	357235	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	177542	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	132079	52.16	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	404248	50.43	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	461300	47.75	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	141270	45.99	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	135587	Below Cal			98
3) Chloromethane	1.873	50	178293	68.47	ug/L		97
4) Vinyl Chloride	1.971	62	222944	100.59	ug/L		95
5) Bromomethane	2.330	96	103077	112.20	ug/L		96
6) Chloroethane	2.457	64	77778m	168.94	ug/L		
7) Trichlorofluoromethane	2.622	101	248334	94.02	ug/L		98
8) Ethanol	3.169	45	281776	4894.40	ug/L		87
9) 1,1-Dichloroethene	3.187	61	316255	103.52	ug/L		90
10) Carbon Disulfide	3.206	76	512072	100.00	ug/L		99
11) Freon 113	3.236	101	205671	98.57	ug/L		98
12) Iodomethane	3.333	142	188701	228.39	ug/L		92
13) Acrolein	3.558	56	66424	103.01	ug/L		74
14) Methylene Chloride	3.814	84	239627	101.84	ug/L		87
15) Acetone	3.869	43	228023	218.49	ug/L		96
16) t-1,2-Dichloroethene	3.978	61	316803	110.17	ug/L		93
17) n-Hexane	4.063	86	40757	100.06	ug/L	#	90
18) Methyl-tert-butyl-ether	4.100	73	741096	108.69	ug/L		94
19) tert-Butanol (TBA)	4.215	59	2875900	5138.73	ug/L		84
20) Diisopropyl ether (DIPE)	4.495	45	126066	20.64	ug/L		93
21) 1,1-Dichloroethane	4.617	63	404743	97.93	ug/L		97
22) Acrylonitrile	4.678	53	137828	114.42	ug/L		97
23) Ethyl-tert-butyl ether...	4.866	59	125935	20.73	ug/L		98
24) Vinyl Acetate	4.885	43	531614	116.23	ug/L		96
25) c-1,2-Dichloroethene	5.171	61	312315	107.61	ug/L		90

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:28 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	282987	94.60	ug/L		93
27) Bromochloromethane	5.377	130	174430	111.38	ug/L		90
28) Chloroform	5.457	83	420711	107.00	ug/L		98
29) Carbon Tetrachloride	5.590	117	290012	118.71	ug/L		93
30) Tetrahydrofuran	5.621	42	128652	111.12	ug/L		88
31) 1,1,1-Trichloroethane	5.657	97	352147	105.02	ug/L		96
33) 1,1-Dichloropropene	5.791	75	311925	108.49	ug/L		94
34) 2-Butanone (MEK)	5.773	43	392225	231.82	ug/L		99
35) Benzene	6.047	78	942960	100.33	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	122271	19.06	ug/L		94
37) 1,2-Dichloroethane (EDC)	6.260	62	322585	111.78	ug/L		92
38) iso-Butyl Alcohol	6.290	43	590834	3060.00	ug/L		92
40) Trichloroethene (TCE)	6.667	130	251110	110.36	ug/L		95
41) Tert-Amyl-Ethyl-Ether ...	6.917	59	89108	21.99	ug/L		83
42) Dibromomethane	7.117	93	168211	110.69	ug/L		98
43) 1,2-Dichloropropane	7.227	63	234596	101.09	ug/L		94
44) Bromodichloromethane	7.300	83	313721	116.25	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.939	63	183466	111.97	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	378778	108.02	ug/L		88
49) Toluene	8.267	91	969220	91.69	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	249574	103.75	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	718020	226.63	ug/L		94
52) t-1,3-Dichloropropene	8.760	75	342038	105.86	ug/L		99
53) 1,1,2-Trichloroethane	8.930	97	239487	102.56	ug/L		92
54) Dibromochloromethane	9.113	129	252746	114.01	ug/L		99
55) 1,3-Dichloropropane	9.210	76	390295	100.46	ug/L		92
56) 1,2-Dibromoethane (EDB)	9.350	107	258247	100.88	ug/L		95
57) 2-Hexanone	9.581	43	529649	222.06	ug/L		91
58) Chlorobenzene	9.861	112	634158	96.18	ug/L		98
59) Ethylbenzene	9.879	91	1024091	96.91	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	219931	106.70	ug/L		97
61) m,p-Xylenes (2)	10.019	91	1585556	204.73	ug/L		99
62) o-Xylene	10.402	91	803231	101.55	ug/L		99
63) Styrene	10.445	104	659451	111.36	ug/L		97
64) Bromoform	10.475	173	190713	136.02	ug/L		99
65) Isopropylbenzene	10.664	105	937017	105.03	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:28 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	10.999	156	266310	91.11	ug/L	90
69) n-Propylbenzene	11.011	91	1072810	91.40	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.078	85	221012	85.60	ug/L	94
71) 2-Chlorotoluene	11.145	126	232199	91.50	ug/L	97
72) 1,3,5-Trimethylbenzene	11.169	105	756097	107.58	ug/L	98
73) 1,2,3-Trichloropropane	11.187	110	109031	87.54	ug/L	86
74) t-1,4-Dichloro-2-butene	11.218	53	83281	96.75	ug/L	89
75) 4-Chlorotoluene	11.272	91	679397	93.51	ug/L	95
76) tert-Butylbenzene	11.418	91	410975	89.30	ug/L	94
77) 1,2,4-Trimethylbenzene	11.473	105	751719	99.54	ug/L	97
78) sec-Butylbenzene	11.558	105	881161	94.35	ug/L	98
79) 4-Isopropyltoluene	11.662	119	750848	103.46	ug/L	98
80) 1,3-Dichlorobenzene	11.735	146	444081	93.53	ug/L	99
81) 1,4-Dichlorobenzene	11.802	146	459762	93.02	ug/L	97
82) n-Butylbenzene	11.984	91	630234	96.01	ug/L	99
83) 1,2-Dichlorobenzene	12.124	146	422551	92.56	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	83981	92.43	ug/L	93
85) Hexachlorobutadiene	13.237	223	55337	93.25	ug/L	93
86) 1,2,4-Trichlorobenzene	13.274	180	235662	108.14	ug/L	98
87) Naphthalene	13.554	128	796933	109.03	ug/L	98
88) 1,2,3-Trichlorobenzene	13.712	180	219851	115.48	ug/L	96

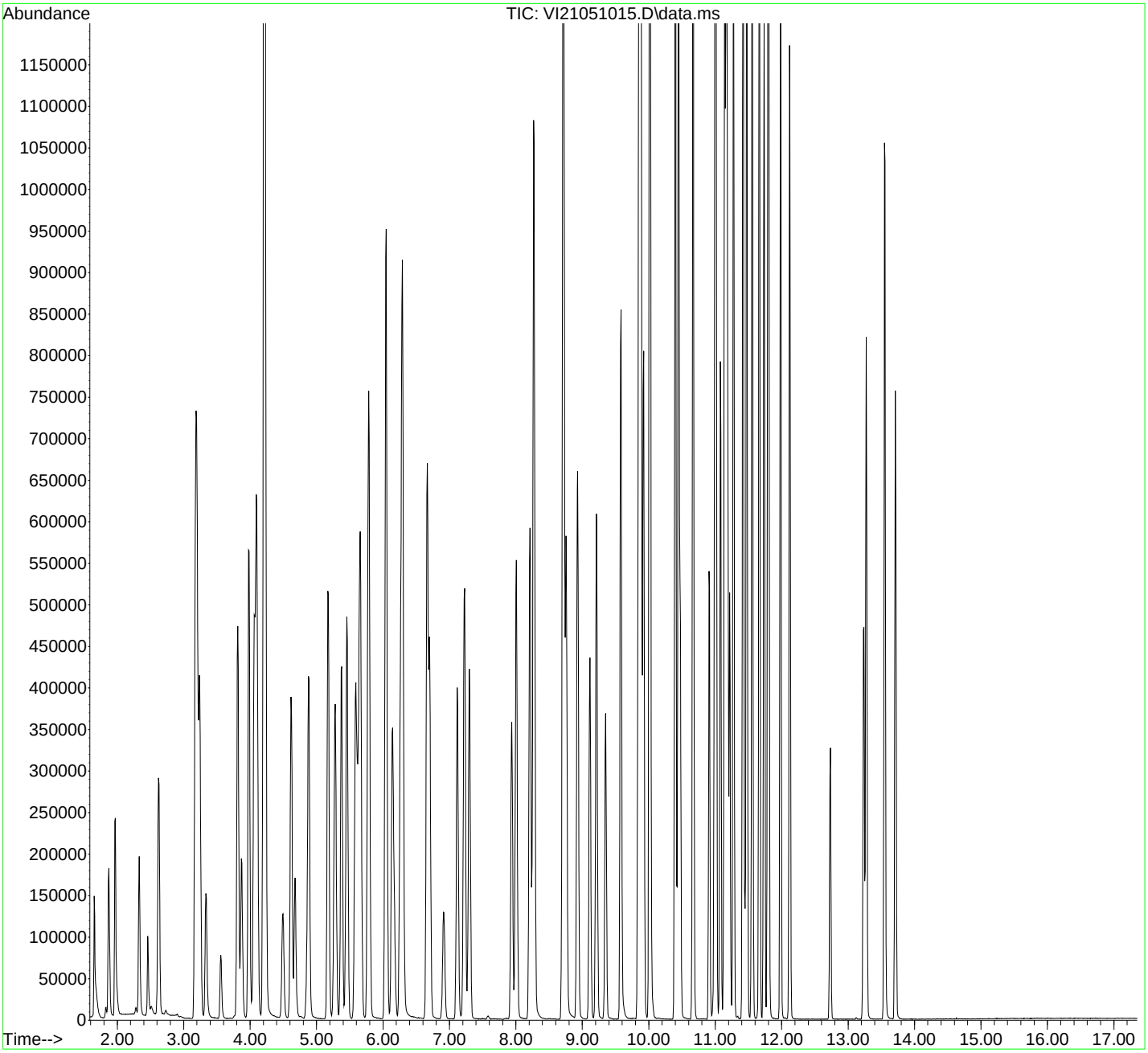
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051015.D
Acq On : 10 May 2021 9:44 pm
Operator : PS
Sample : 1E10062-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:50:28 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051016.D
Acq On : 10 May 2021 10:12 pm 05/11/21 TNL
Operator : PS
Sample : 1E10062-IBL4
Misc : 1X 5mL DI
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:36:44 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	129021	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	337380	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	147549	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	125852	49.20	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	394018	49.44	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	449119	50.43	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.914	174	129274	52.44	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.861	50	332	0.17	ug/L	#	47
4) Vinyl Chloride	1.965	62	136	0.06	ug/L	#	1
6) Chloroethane	2.433	64	144	Below Cal		#	46
7) Trichlorofluoromethane	2.628	101	177	0.07	ug/L	#	1
9) 1,1-Dichloroethene	3.187	61	295	0.10	ug/L	#	72
10) Carbon Disulfide	3.206	76	2861	0.55	ug/L		94
11) Freon 113	3.242	101	288	0.14	ug/L	#	19
14) Methylene Chloride	3.814	84	3918	1.54	ug/L		88
15) Acetone	3.881	43	1445	1.21	ug/L		95
16) t-1,2-Dichloroethene	3.984	61	514	0.17	ug/L	#	71
19) tert-Butanol (TBA)	4.215	59	426	0.70	ug/L		46
33) 1,1-Dichloropropene	5.791	75	388	0.13	ug/L	#	43
35) Benzene	6.047	78	566	0.06	ug/L		55
40) Trichloroethene (TCE)	6.673	130	189	0.08	ug/L	#	73
49) Toluene	8.273	91	752	0.08	ug/L		93
50) Tetrachloroethene (PCE)	8.717	166	551	0.24	ug/L	#	73
58) Chlorobenzene	9.861	112	671	0.11	ug/L	#	1
59) Ethylbenzene	9.885	91	1117	0.12	ug/L		89
61) m,p-Xylenes (2)	10.019	91	1990	0.28	ug/L		86
62) o-Xylene	10.409	91	555	0.08	ug/L		76
63) Styrene	10.457	104	320	0.06	ug/L	#	42
65) Isopropylbenzene	10.670	105	1249	0.15	ug/L		84
68) Bromobenzene	10.999	156	288	0.13	ug/L		89
69) n-Propylbenzene	11.017	91	2086	0.24	ug/L		96

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051016.D
Acq On : 10 May 2021 10:12 pm
Operator : PS
Sample : 1E10062-IBL4
Misc : 1X 5mL DI
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:36:44 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	11.151	126	285	0.16	ug/L #	92
72) 1,3,5-Trimethylbenzene	11.175	105	1124	0.19	ug/L	90
75) 4-Chlorotoluene	11.285	91	1346	0.24	ug/L	88
76) tert-Butylbenzene	11.425	91	841	0.25	ug/L	92
77) 1,2,4-Trimethylbenzene	11.479	105	1152	0.20	ug/L	94
78) sec-Butylbenzene	11.558	105	2143	0.31	ug/L	97
79) 4-Isopropyltoluene	11.668	119	1579	0.29	ug/L	96
80) 1,3-Dichlorobenzene	11.741	146	1029	0.29	ug/L	95
81) 1,4-Dichlorobenzene	11.808	146	1381	0.36	ug/L	78
82) n-Butylbenzene	11.990	91	1724	0.37	ug/L	99
83) 1,2-Dichlorobenzene	12.124	146	835	0.24	ug/L	88
85) Hexachlorobutadiene	13.237	223	546	1.28	ug/L	86
86) 1,2,4-Trichlorobenzene	13.280	180	1204	0.76	ug/L	90
87) Naphthalene	13.554	128	2711	0.66	ug/L	89
88) 1,2,3-Trichlorobenzene	13.712	180	1147	0.78	ug/L	97

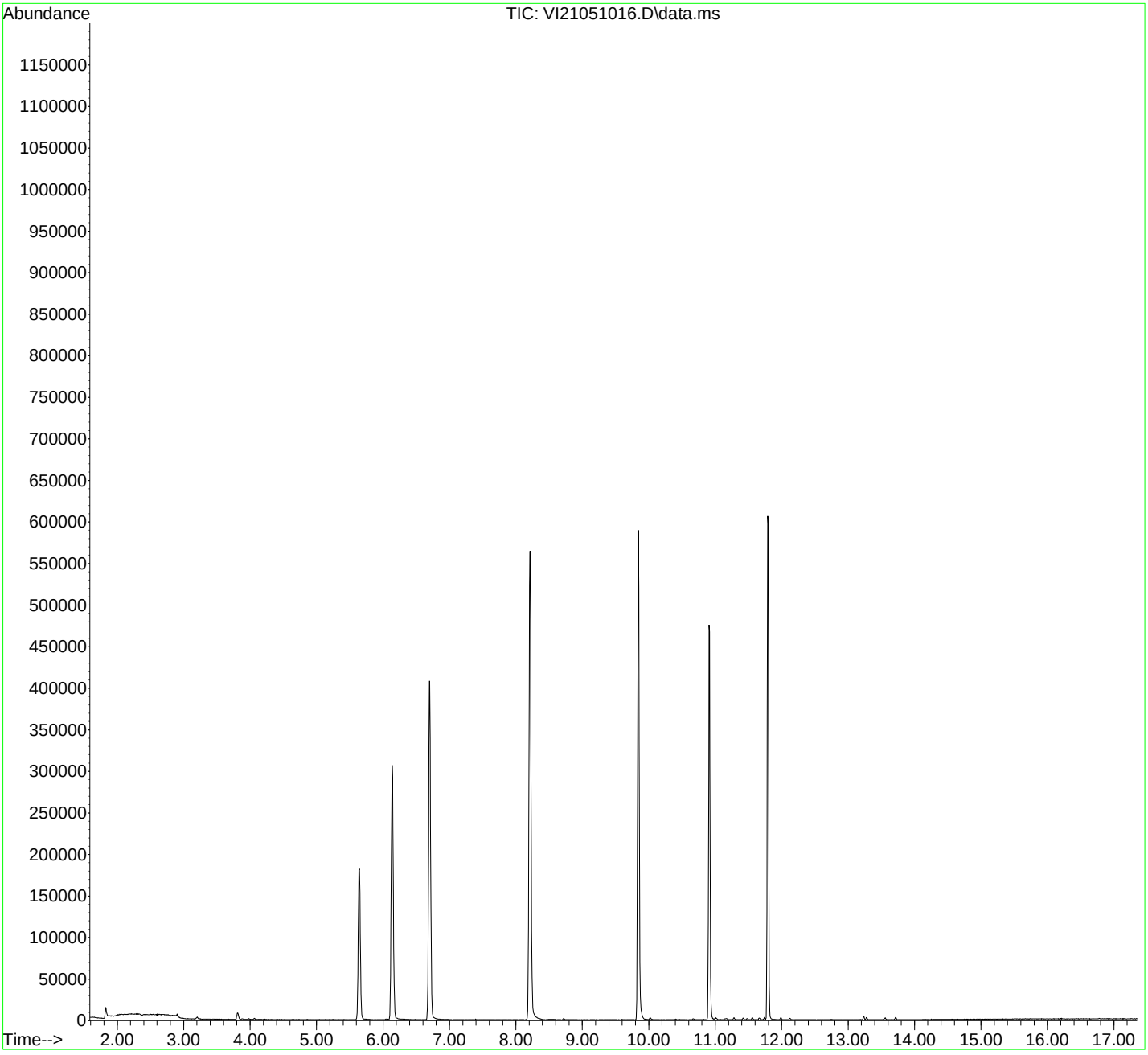
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051016.D
Acq On : 10 May 2021 10:12 pm
Operator : PS
Sample : 1E10062-IBL4
Misc : 1X 5mL DI
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:36:44 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	128227	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	357676	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	176223	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	131090	52.23	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	402184	50.62	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	456767	47.22	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	138733	45.50	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	274076	Below Cal			98
3) Chloromethane	1.867	50	359005	185.73	ug/L		96
4) Vinyl Chloride	1.965	62	437650	199.23	ug/L		96
5) Bromomethane	2.330	96	209791	230.39	ug/L		97
6) Chloroethane	2.451	64	24862	36.32	ug/L		93
7) Trichlorofluoromethane	2.615	101	499215	190.69	ug/L		98
8) Ethanol	3.200	45	3049	53.43	ug/L	#	1
9) 1,1-Dichloroethene	3.181	61	648768	214.26	ug/L		91
10) Carbon Disulfide	3.200	76	1060159	208.89	ug/L		99
11) Freon 113	3.236	101	430807	208.30	ug/L		96
12) Iodomethane	3.333	142	374557	457.37	ug/L		92
13) Acrolein	3.558	56	132360	207.08	ug/L		75
14) Methylene Chloride	3.814	84	481556	206.48	ug/L		86
15) Acetone	3.869	43	459817	444.51	ug/L		95
16) t-1,2-Dichloroethene	3.978	61	651025	228.41	ug/L		90
17) n-Hexane	4.057	86	84727	209.85	ug/L	#	90
18) Methyl-tert-butyl-ether	4.094	73	1519899	224.89	ug/L		92
19) tert-Butanol (TBA)	4.234	59	393	0.71	ug/L	#	1
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	4.617	63	824253	201.21	ug/L		96
22) Acrylonitrile	4.672	53	282776	236.85	ug/L		98
23) Ethyl-tert-butyl ether...	4.763	59	2491	0.41	ug/L	#	38
24) Vinyl Acetate	4.885	43	1029020	226.98	ug/L		95
25) c-1,2-Dichloroethene	5.171	61	637812	221.71	ug/L		90

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	583604	196.83	ug/L		90
27) Bromochloromethane	5.377	130	348352	224.41	ug/L		89
28) Chloroform	5.457	83	859865	220.63	ug/L		97
29) Carbon Tetrachloride	5.590	117	620546	256.27	ug/L		94
30) Tetrahydrofuran	5.615	42	266809	232.50	ug/L		86
31) 1,1,1-Trichloroethane	5.657	97	740762	222.88	ug/L		95
33) 1,1-Dichloropropene	5.785	75	652573	228.99	ug/L		94
34) 2-Butanone (MEK)	5.773	43	801928	478.20	ug/L		97
35) Benzene	6.047	78	1920107	206.11	ug/L		97
36) tert-Amyl methyl ether...	6.126	73	119	N.D.			
37) 1,2-Dichloroethane (EDC)	6.260	62	653632	228.51	ug/L		91
38) iso-Butyl Alcohol	6.296	43	1108319	5791.20	ug/L		91
40) Trichloroethene (TCE)	6.667	130	519487	230.33	ug/L		94
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	7.117	93	346128	229.79	ug/L		98
43) 1,2-Dichloropropane	7.227	63	477363	207.54	ug/L		94
44) Bromodichloromethane	7.300	83	650907	243.35	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.939	63	368605	224.69	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	785449	223.71	ug/L		87
49) Toluene	8.267	91	1994787	188.48	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	532909	221.26	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	1400054	441.36	ug/L		91
52) t-1,3-Dichloropropene	8.754	75	716765	221.56	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	487675	208.60	ug/L		91
54) Dibromochloromethane	9.113	129	530756	239.13	ug/L		98
55) 1,3-Dichloropropane	9.216	76	792021	203.60	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	534384	208.49	ug/L		95
57) 2-Hexanone	9.581	43	1033964	432.96	ug/L		90
58) Chlorobenzene	9.861	112	1306190	197.87	ug/L		98
59) Ethylbenzene	9.879	91	2104006	198.87	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	457944	221.90	ug/L		97
61) m,p-Xylenes (2)	10.019	91	3272906	422.08	ug/L		98
62) o-Xylene	10.402	91	1648222	208.11	ug/L		98
63) Styrene	10.445	104	1345507	226.92	ug/L		96
64) Bromoform	10.475	173	396360	282.33	ug/L		99
65) Isopropylbenzene	10.664	105	1919993	214.94	ug/L		98

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	10.993	156	551604	190.13	ug/L	88
69) n-Propylbenzene	11.011	91	2198527	188.70	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.078	85	433602	169.20	ug/L	94
71) 2-Chlorotoluene	11.145	126	475153	188.65	ug/L	94
72) 1,3,5-Trimethylbenzene	11.169	105	1557551	223.26	ug/L	97
73) 1,2,3-Trichloropropane	11.187	110	214555	173.56	ug/L	85
74) t-1,4-Dichloro-2-butene	11.218	53	166825	195.26	ug/L	95
75) 4-Chlorotoluene	11.272	91	1372027	190.26	ug/L	96
76) tert-Butylbenzene	11.418	91	850619	186.22	ug/L	95
77) 1,2,4-Trimethylbenzene	11.473	105	1535387	193.57	ug/L	97
78) sec-Butylbenzene	11.558	105	1789664	193.05	ug/L	98
79) 4-Isopropyltoluene	11.662	119	1539950	213.77	ug/L	98
80) 1,3-Dichlorobenzene	11.735	146	900815	191.15	ug/L	99
81) 1,4-Dichlorobenzene	11.802	146	931492	189.88	ug/L	96
82) n-Butylbenzene	11.984	91	1297476	185.70	ug/L	100
83) 1,2-Dichlorobenzene	12.124	146	855406	188.78	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	176271	195.46	ug/L	92
85) Hexachlorobutadiene	13.231	223	117534	199.54	ug/L	94
86) 1,2,4-Trichlorobenzene	13.274	180	517744	182.06	ug/L	97
87) Naphthalene	13.548	128	1730164	191.86	ug/L	97
88) 1,2,3-Trichlorobenzene	13.712	180	488459	203.40	ug/L	97

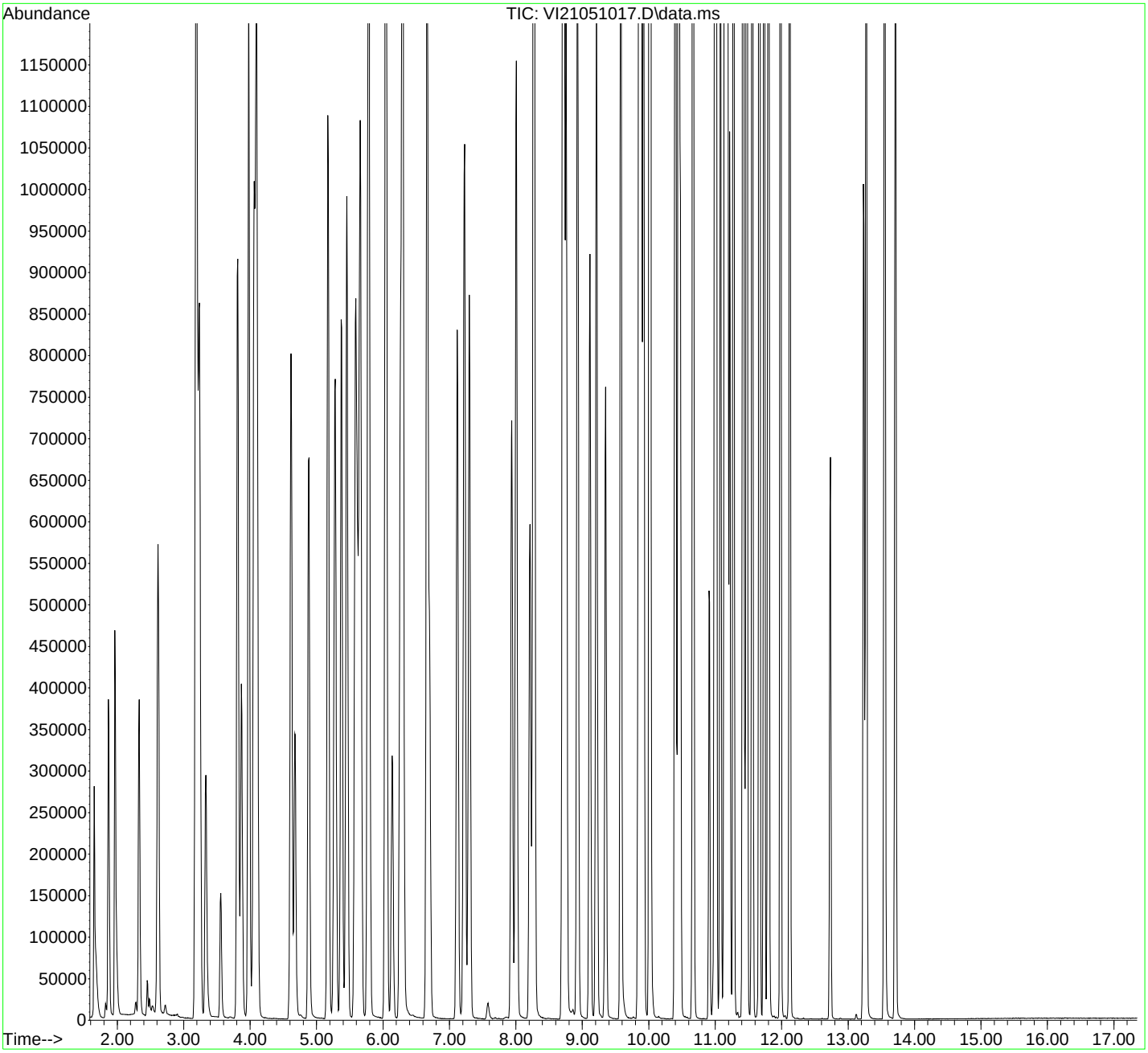
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

PS 05/11/21

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\~~VI210510W.M~~
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	128227	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	357676	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	176223	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	131090	52.23	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	402184	50.62	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	456767	47.22	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	138733	45.50	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	274076	Below Cal			98
3) Chloromethane	1.867	50	359005	185.73	ug/L		96
4) Vinyl Chloride	1.965	62	437650	199.23	ug/L		96
5) Bromomethane	2.330	96	209791	230.39	ug/L		97
6) Chloroethane	2.451	64	24862	36.32	ug/L		93
7) Trichlorofluoromethane	2.615	101	499215	190.69	ug/L		98
8) Ethanol	3.200	45	3049	53.43	ug/L	#	1
9) 1,1-Dichloroethene	3.181	61	648768	214.26	ug/L		91
10) Carbon Disulfide	3.200	76	1060159	208.89	ug/L		99
11) Freon 113	3.236	101	430807	208.30	ug/L		96
12) Iodomethane	3.333	142	374557	457.37	ug/L		92
13) Acrolein	3.558	56	132360	207.08	ug/L		75
14) Methylene Chloride	3.814	84	481556	206.48	ug/L		86
15) Acetone	3.869	43	459817	444.51	ug/L		95
16) t-1,2-Dichloroethene	3.978	61	651025	228.41	ug/L		90
17) n-Hexane	4.057	86	84727	209.85	ug/L	#	90
18) Methyl-tert-butyl-ether	4.094	73	1519899	224.89	ug/L		92
19) tert-Butanol (TBA)	4.234	59	393	0.71	ug/L	#	1
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	4.617	63	824253	201.21	ug/L		96
22) Acrylonitrile	4.672	53	282776	236.85	ug/L		98
23) Ethyl-tert-butyl ether...	4.763	59	2491	0.41	ug/L	#	38
24) Vinyl Acetate	4.885	43	1029020	226.98	ug/L		95
25) c-1,2-Dichloroethene	5.171	61	637812	221.71	ug/L		90

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	583604	196.83	ug/L		90
27) Bromochloromethane	5.377	130	348352	224.41	ug/L		89
28) Chloroform	5.457	83	859865	220.63	ug/L		97
29) Carbon Tetrachloride	5.590	117	620546	256.27	ug/L		94
30) Tetrahydrofuran	5.615	42	266809	232.50	ug/L		86
31) 1,1,1-Trichloroethane	5.657	97	740762	222.88	ug/L		95
33) 1,1-Dichloropropene	5.785	75	652573	228.99	ug/L		94
34) 2-Butanone (MEK)	5.773	43	801928	478.20	ug/L		97
35) Benzene	6.047	78	1920107	206.11	ug/L		97
36) tert-Amyl methyl ether...	6.126	73	119	N.D.			
37) 1,2-Dichloroethane (EDC)	6.260	62	653632	228.51	ug/L		91
38) iso-Butyl Alcohol	6.296	43	1108319	5791.20	ug/L		91
40) Trichloroethene (TCE)	6.667	130	519487	230.33	ug/L		94
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	7.117	93	346128	229.79	ug/L		98
43) 1,2-Dichloropropane	7.227	63	477363	207.54	ug/L		94
44) Bromodichloromethane	7.300	83	650907	243.35	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.939	63	368605	224.69	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	785449	223.71	ug/L		87
49) Toluene	8.267	91	1994787	188.48	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	532909	221.26	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	1400054	441.36	ug/L		91
52) t-1,3-Dichloropropene	8.754	75	716765	221.56	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	487675	208.60	ug/L		91
54) Dibromochloromethane	9.113	129	530756	239.13	ug/L		98
55) 1,3-Dichloropropane	9.216	76	792021	203.60	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	534384	208.49	ug/L		95
57) 2-Hexanone	9.581	43	1033964	432.96	ug/L		90
58) Chlorobenzene	9.861	112	1306190	197.87	ug/L		98
59) Ethylbenzene	9.879	91	2104006	198.87	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.922	131	457944	221.90	ug/L		97
61) m,p-Xylenes (2)	10.019	91	3272906	422.08	ug/L		98
62) o-Xylene	10.402	91	1648222	208.11	ug/L		98
63) Styrene	10.445	104	1345507	226.92	ug/L		96
64) Bromoform	10.475	173	396360	282.33	ug/L		99
65) Isopropylbenzene	10.664	105	1919993	214.94	ug/L		98

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	10.993	156	551604	190.13	ug/L	88
69) n-Propylbenzene	11.011	91	2198527	188.70	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.078	85	433602	169.20	ug/L	94
71) 2-Chlorotoluene	11.145	126	475153	188.65	ug/L	94
72) 1,3,5-Trimethylbenzene	11.169	105	1557551	223.26	ug/L	97
73) 1,2,3-Trichloropropane	11.187	110	214555	173.56	ug/L	85
74) t-1,4-Dichloro-2-butene	11.218	53	166825	195.26	ug/L	95
75) 4-Chlorotoluene	11.272	91	1372027	190.26	ug/L	96
76) tert-Butylbenzene	11.418	91	850619	186.22	ug/L	95
77) 1,2,4-Trimethylbenzene	11.473	105	1535387	193.57	ug/L	97
78) sec-Butylbenzene	11.558	105	1789664	193.05	ug/L	98
79) 4-Isopropyltoluene	11.662	119	1539950	213.77	ug/L	98
80) 1,3-Dichlorobenzene	11.735	146	900815	191.15	ug/L	99
81) 1,4-Dichlorobenzene	11.802	146	931492	189.88	ug/L	96
82) n-Butylbenzene	11.984	91	1297476	185.70	ug/L	100
83) 1,2-Dichlorobenzene	12.124	146	855406	188.78	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.732	157	176271	195.46	ug/L	92
85) Hexachlorobutadiene	13.231	223	117534	199.54	ug/L	94
86) 1,2,4-Trichlorobenzene	13.274	180	517744	182.06	ug/L	97
87) Naphthalene	13.548	128	1730164	191.86	ug/L	97
88) 1,2,3-Trichlorobenzene	13.712	180	488459	203.40	ug/L	97

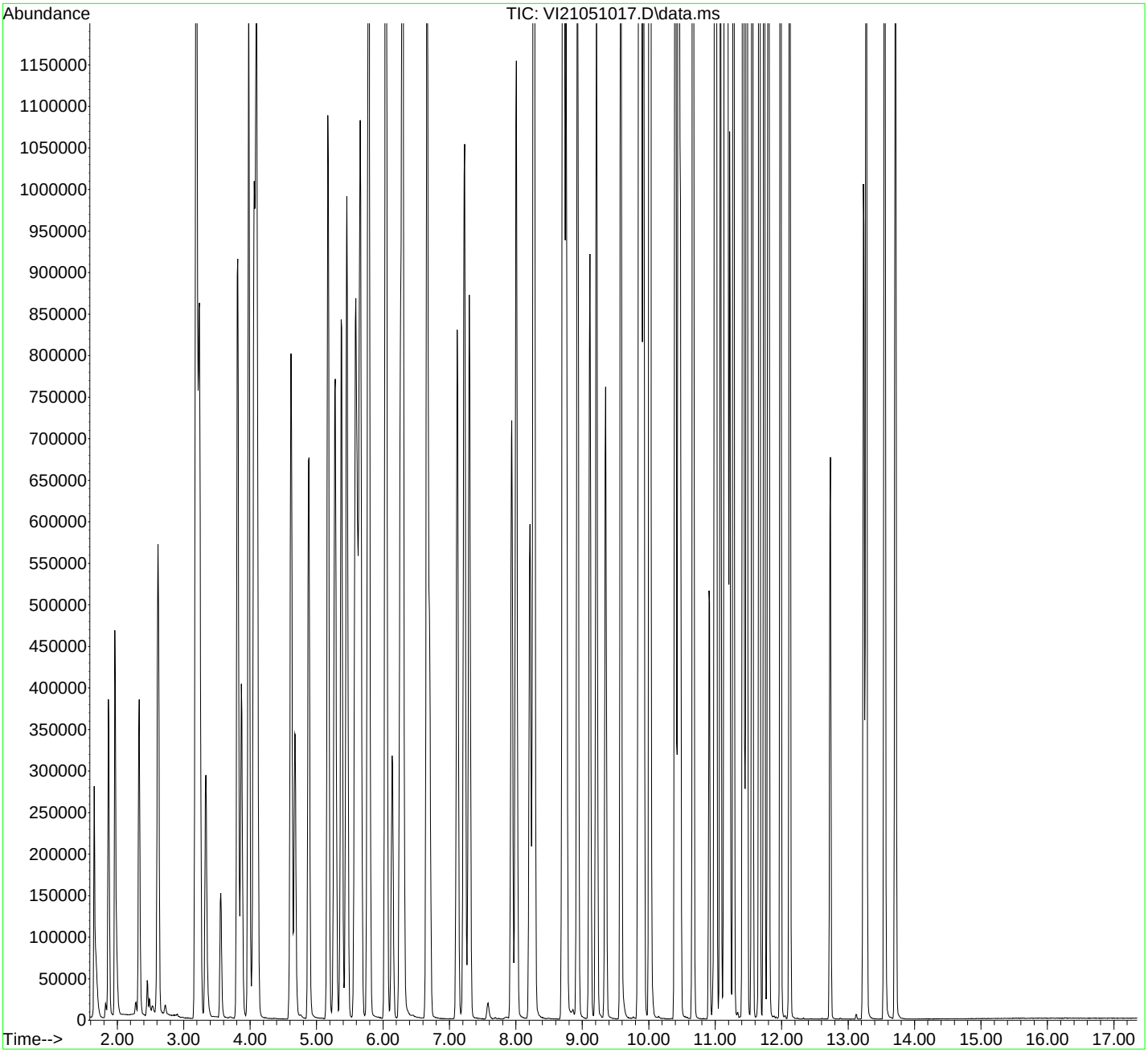
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051017.D
Acq On : 10 May 2021 10:39 pm
Operator : PS
Sample : 1E10062-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 09:51:24 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:17:54 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051018.D
Acq On : 10 May 2021 11:07 pm
Operator : PS
Sample : 1E10062-IBL5 05/11/21 TNL
Misc : 1X 5mL DI
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:26 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	138828	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	361893	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	162248	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	135070	49.08	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	427790	49.88	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	481042	50.36	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	140314	51.76	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	386	0.28	ug/L	#	49
3) Chloromethane	1.867	50	561	0.27	ug/L	#	47
4) Vinyl Chloride	1.964	62	327	0.14	ug/L	#	1
5) Bromomethane	2.323	96	327	0.28	ug/L	#	34
6) Chloroethane	2.445	64	1173	0.28	ug/L	#	36
7) Trichlorofluoromethane	2.634	101	662	0.25	ug/L		79
9) 1,1-Dichloroethene	3.187	61	696	0.21	ug/L		73
10) Carbon Disulfide	3.206	76	6226	1.12	ug/L		96
11) Freon 113	3.236	101	868	0.40	ug/L		94
12) Iodomethane	3.339	142	397	0.22	ug/L	#	47
14) Methylene Chloride	3.814	84	4177	1.52	ug/L		83
15) Acetone	3.875	43	1796	1.40	ug/L		92
16) t-1,2-Dichloroethene	3.984	61	1326	0.41	ug/L		94
25) c-1,2-Dichloroethene	5.183	61	420	0.13	ug/L	#	63
30) Tetrahydrofuran	5.627	42	128	0.09	ug/L	#	23
33) 1,1-Dichloropropene	5.797	75	849	0.27	ug/L		90
34) 2-Butanone (MEK)	5.791	43	121	0.06	ug/L		52
35) Benzene	6.047	78	1021	0.10	ug/L		55
38) iso-Butyl Alcohol	6.302	43	322	1.30	ug/L	#	18
40) Trichloroethene (TCE)	6.673	130	603	0.24	ug/L		78
49) Toluene	8.273	91	1554	0.16	ug/L		88
50) Tetrachloroethene (PCE)	8.717	166	1203	0.48	ug/L		92
51) 4-Methyl-2-Pentanone (...	8.723	43	341	0.10	ug/L	#	43
57) 2-Hexanone	9.599	43	504	0.20	ug/L	#	35

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051018.D
Acq On : 10 May 2021 11:07 pm
Operator : PS
Sample : 1E10062-IBL5
Misc : 1X 5mL DI
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:26 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
58) Chlorobenzene	9.861	112	1342	0.21 ug/L #	51
59) Ethylbenzene	9.885	91	2475	0.24 ug/L	93
61) m,p-Xylenes (2)	10.019	91	3969	0.52 ug/L	99
62) o-Xylene	10.408	91	1307	0.17 ug/L	90
63) Styrene	10.457	104	881	0.15 ug/L	78
65) Isopropylbenzene	10.670	105	2588	0.29 ug/L	99
68) Bromobenzene	10.999	156	604	0.25 ug/L	91
69) n-Propylbenzene	11.011	91	4451	0.46 ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.078	85	120	0.06 ug/L	86
71) 2-Chlorotoluene	11.151	126	679	0.34 ug/L	98
72) 1,3,5-Trimethylbenzene	11.169	105	2489	0.39 ug/L	87
75) 4-Chlorotoluene	11.278	91	2683	0.44 ug/L	92
76) tert-Butylbenzene	11.424	91	1771	0.48 ug/L	96
77) 1,2,4-Trimethylbenzene	11.479	105	2510	0.40 ug/L	87
78) sec-Butylbenzene	11.558	105	4605	0.60 ug/L	98
79) 4-Isopropyltoluene	11.668	119	3615	0.59 ug/L	98
80) 1,3-Dichlorobenzene	11.741	146	2494	0.63 ug/L	92
81) 1,4-Dichlorobenzene	11.808	146	2889	0.68 ug/L	90
82) n-Butylbenzene	11.984	91	3831	0.75 ug/L	89
83) 1,2-Dichlorobenzene	12.124	146	1749	0.46 ug/L	95
85) Hexachlorobutadiene	13.237	223	1431	3.06 ug/L	91
86) 1,2,4-Trichlorobenzene	13.280	180	2781	1.59 ug/L	91
87) Naphthalene	13.554	128	5875	1.16 ug/L	97
88) 1,2,3-Trichlorobenzene	13.718	180	2694	1.66 ug/L	98

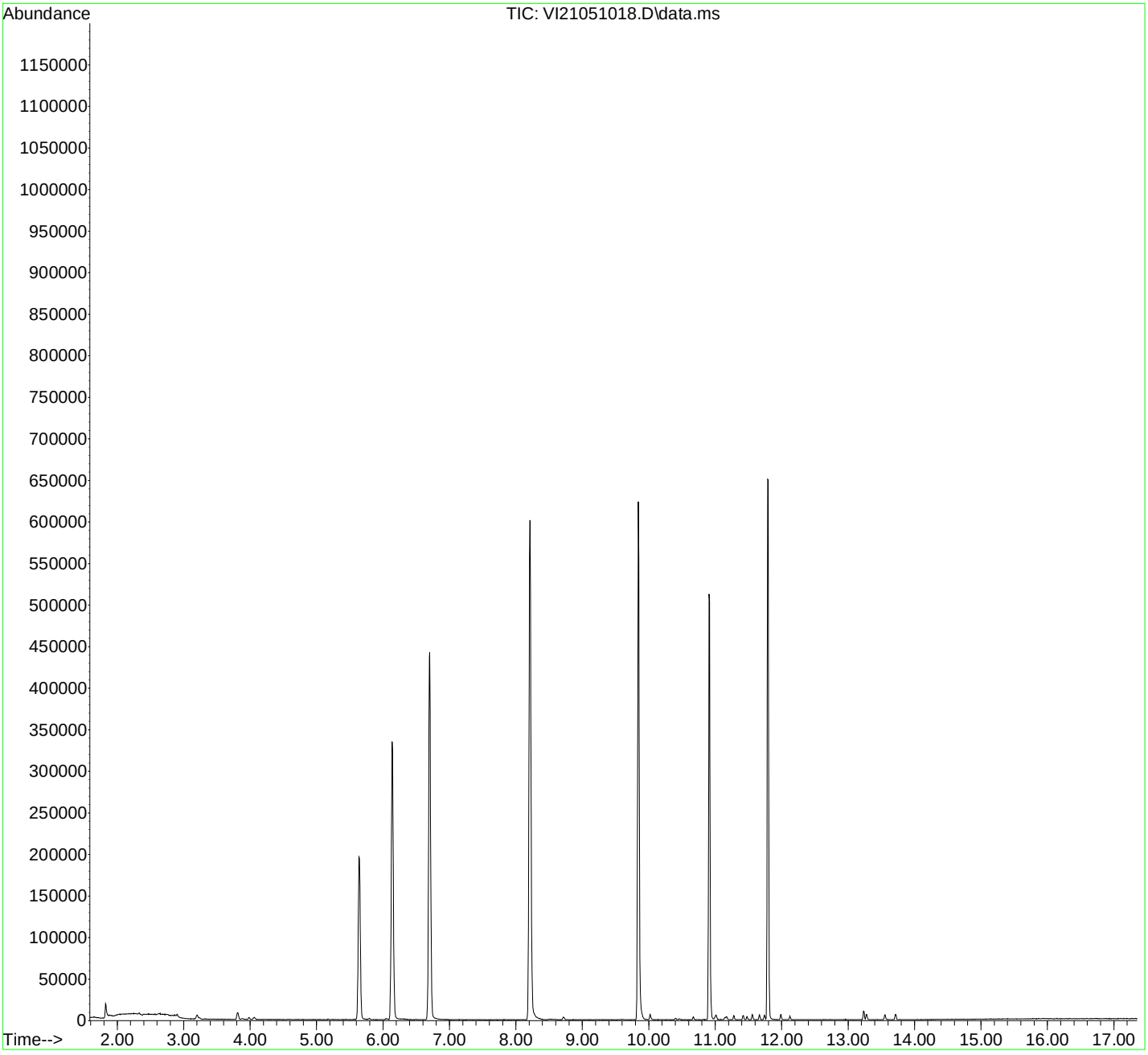
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051018.D
Acq On : 10 May 2021 11:07 pm
Operator : PS
Sample : 1E10062-IBL5
Misc : 1X 5mL DI
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:26 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051019.D
Acq On : 10 May 2021 11:35 pm
Operator : PS
Sample : 1E10062-IBL6
Misc : 1X 5mL DI 05/11/21 TNL
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:30 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	131823	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	345437	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	150605	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	128865	49.31	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.697	114	409687	50.31	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	460331	50.48	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	132266	52.56	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	133	0.10	ug/L	#	49
3) Chloromethane	1.867	50	393	0.20	ug/L	#	47
6) Chloroethane	2.445	64	837	0.08	ug/L	#	36
10) Carbon Disulfide	3.199	76	2608	0.49	ug/L		94
11) Freon 113	3.236	101	276	0.13	ug/L	#	73
14) Methylene Chloride	3.808	84	4004	1.54	ug/L		85
15) Acetone	3.875	43	1141	0.94	ug/L	#	44
16) t-1,2-Dichloroethene	3.978	61	461	0.15	ug/L	#	71
33) 1,1-Dichloropropene	5.791	75	224	0.07	ug/L	#	43
49) Toluene	8.279	91	493	0.05	ug/L	#	28
50) Tetrachloroethene (PCE)	8.717	166	514	0.22	ug/L	#	69
58) Chlorobenzene	9.861	112	525	0.09	ug/L	#	3
59) Ethylbenzene	9.885	91	867	0.09	ug/L		92
61) m,p-Xylenes (2)	10.025	91	1476	0.20	ug/L		96
65) Isopropylbenzene	10.670	105	703	0.08	ug/L		54
69) n-Propylbenzene	11.011	91	1499	0.17	ug/L		87
71) 2-Chlorotoluene	11.151	126	148	0.08	ug/L	#	50
72) 1,3,5-Trimethylbenzene	11.169	105	784	0.13	ug/L		88
75) 4-Chlorotoluene	11.278	91	907	0.16	ug/L		86
76) tert-Butylbenzene	11.418	91	376	0.11	ug/L	#	79
77) 1,2,4-Trimethylbenzene	11.479	105	706	0.12	ug/L		86
78) sec-Butylbenzene	11.558	105	1221	0.17	ug/L		93
79) 4-Isopropyltoluene	11.668	119	1169	0.21	ug/L		94
80) 1,3-Dichlorobenzene	11.741	146	737	0.20	ug/L		93

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051019.D
Acq On : 10 May 2021 11:35 pm
Operator : PS
Sample : 1E10062-IBL6
Misc : 1X 5mL DI
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:30 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 1,4-Dichlorobenzene	11.802	146	1025	0.26	ug/L #	23
82) n-Butylbenzene	11.990	91	1347	0.28	ug/L	96
83) 1,2-Dichlorobenzene	12.124	146	495	0.14	ug/L	84
85) Hexachlorobutadiene	13.237	223	216	0.50	ug/L	91
86) 1,2,4-Trichlorobenzene	13.274	180	801	0.49	ug/L	70
87) Naphthalene	13.554	128	1381	0.39	ug/L	81
88) 1,2,3-Trichlorobenzene	13.718	180	681	0.45	ug/L	91

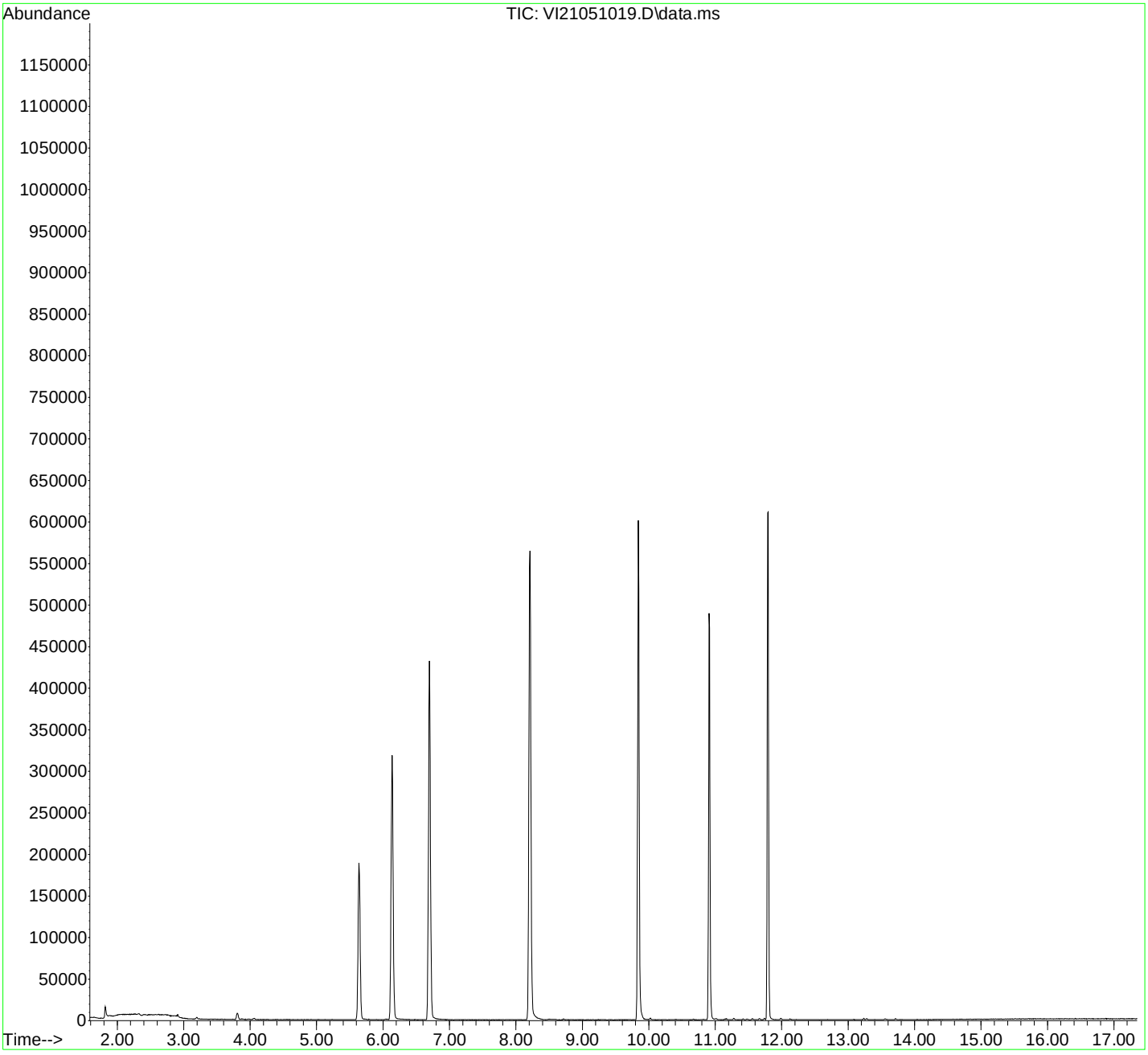
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051019.D
Acq On : 10 May 2021 11:35 pm
Operator : PS
Sample : 1E10062-IBL6
Misc : 1X 5mL DI
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:30 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	135410	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	371700	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.790	152	184930	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	134186	49.98	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.698	114	421624	50.40	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	483966	49.33	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	151014	48.87	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	30296	22.35	ug/L		98
3) Chloromethane	1.867	50	37042	18.41	ug/L		95
4) Vinyl Chloride	1.965	62	45623	19.84	ug/L		89
5) Bromomethane	2.323	96	21519	18.59	ug/L		99
6) Chloroethane	2.463	64	22816	16.96	ug/L		79
7) Trichlorofluoromethane	2.628	101	51912	20.05	ug/L		98
8) Ethanol	3.163	45	81100	1274.88	ug/L		86
9) 1,1-Dichloroethene	3.181	61	58464	18.16	ug/L		93
10) Carbon Disulfide	3.200	76	127056	23.43	ug/L		98
11) Freon 113	3.236	101	38056	17.99	ug/L		98
12) Iodomethane	3.333	142	48075	27.48	ug/L		93
13) Acrolein	3.558	56	11296	17.23	ug/L		75
14) Methylene Chloride	3.808	84	51135	19.12	ug/L		87
15) Acetone	3.869	43	48189	38.54	ug/L		93
16) t-1,2-Dichloroethene	3.978	61	58267	18.48	ug/L		91
17) n-Hexane	4.057	86	7377	18.50	ug/L	#	99
18) Methyl-tert-butyl-ether	4.094	73	145195	19.36	ug/L		93
19) tert-Butanol (TBA)	4.209	59	944679	1469.60	ug/L		85
20) Diisopropyl ether (DIPE)	4.489	45	29412	4.33	ug/L		95
21) 1,1-Dichloroethane	4.617	63	76590	18.11	ug/L		97
22) Acrylonitrile	4.678	53	26230	19.86	ug/L		99
23) Ethyl-tert-butyl ether...	4.866	59	30568	4.52	ug/L		97
24) Vinyl Acetate	4.885	43	92957	17.69	ug/L		97
25) c-1,2-Dichloroethene	5.171	61	59072	19.30	ug/L		89

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	48136	17.03	ug/L		97
27) Bromochloromethane	5.377	130	34613	20.79	ug/L		87
28) Chloroform	5.457	83	80105	18.90	ug/L		98
29) Carbon Tetrachloride	5.590	117	50879	18.38	ug/L		94
30) Tetrahydrofuran	5.621	42	26018	19.46	ug/L		88
31) 1,1,1-Trichloroethane	5.657	97	63962	18.32	ug/L		96
33) 1,1-Dichloropropene	5.785	75	57081	18.27	ug/L		95
34) 2-Butanone (MEK)	5.773	43	77495	39.79	ug/L		99
35) Benzene	6.047	78	180600	17.68	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	30002	4.47	ug/L		96
37) 1,2-Dichloroethane (EDC)	6.260	62	61851	19.07	ug/L		91
38) iso-Butyl Alcohol	6.290	43	124804	517.39	ug/L		94
40) Trichloroethene (TCE)	6.667	130	46697	18.96	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	22043	4.71	ug/L		82
42) Dibromomethane	7.117	93	31735	19.70	ug/L		96
43) 1,2-Dichloropropane	7.227	63	44045	18.95	ug/L		98
44) Bromodichloromethane	7.300	83	57449	19.28	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.939	63	30513	17.50	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	65029	18.81	ug/L		87
49) Toluene	8.267	91	184433	17.94	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	44896	17.61	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	135804	38.81	ug/L		96
52) t-1,3-Dichloropropene	8.760	75	56270	18.26	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	46348	19.65	ug/L		91
54) Dibromochloromethane	9.113	129	45258	19.76	ug/L		98
55) 1,3-Dichloropropane	9.216	76	74697	19.12	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	48215	20.35	ug/L		95
57) 2-Hexanone	9.581	43	99543	39.25	ug/L		92
58) Chlorobenzene	9.861	112	122432	18.85	ug/L		99
59) Ethylbenzene	9.879	91	191006	17.98	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	40804	19.87	ug/L		96
61) m,p-Xylenes (2)	10.019	91	291829	36.99	ug/L		98
62) o-Xylene	10.396	91	149901	19.33	ug/L		99
63) Styrene	10.445	104	120285	20.13	ug/L		97
64) Bromoform	10.475	173	32903	19.44	ug/L		97
65) Isopropylbenzene	10.664	105	173275	19.01	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.993	156	51366	18.65	ug/L		88
69) n-Propylbenzene	11.011	91	196677	17.87	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	45509	19.17	ug/L		94
71) 2-Chlorotoluene	11.145	126	43767	19.16	ug/L		97
72) 1,3,5-Trimethylbenzene	11.169	105	137471	18.99	ug/L		98
73) 1,2,3-Trichloropropane	11.187	110	22169	18.84	ug/L		89
74) t-1,4-Dichloro-2-butene	11.218	53	12690	16.63	ug/L	#	74
75) 4-Chlorotoluene	11.272	91	128276	18.44	ug/L		95
76) tert-Butylbenzene	11.418	91	76424	18.06	ug/L		97
77) 1,2,4-Trimethylbenzene	11.473	105	136883	19.24	ug/L		96
78) sec-Butylbenzene	11.558	105	162121	18.60	ug/L		98
79) 4-Isopropyltoluene	11.662	119	133026	19.17	ug/L		99
80) 1,3-Dichlorobenzene	11.735	146	84696	18.78	ug/L		99
81) 1,4-Dichlorobenzene	11.802	146	88939	18.40	ug/L		96
82) n-Butylbenzene	11.984	91	106534	18.18	ug/L		98
83) 1,2-Dichlorobenzene	12.124	146	82376	19.12	ug/L		97
84) 1,2-Dibromo-3-Chloropr...	12.732	157	15234	20.15	ug/L		91
85) Hexachlorobutadiene	13.231	223	9790	18.37	ug/L		96
86) 1,2,4-Trichlorobenzene	13.274	180	38556	19.38	ug/L		98
87) Naphthalene	13.554	128	121006	18.13	ug/L		99
88) 1,2,3-Trichlorobenzene	13.712	180	36381	19.67	ug/L		94

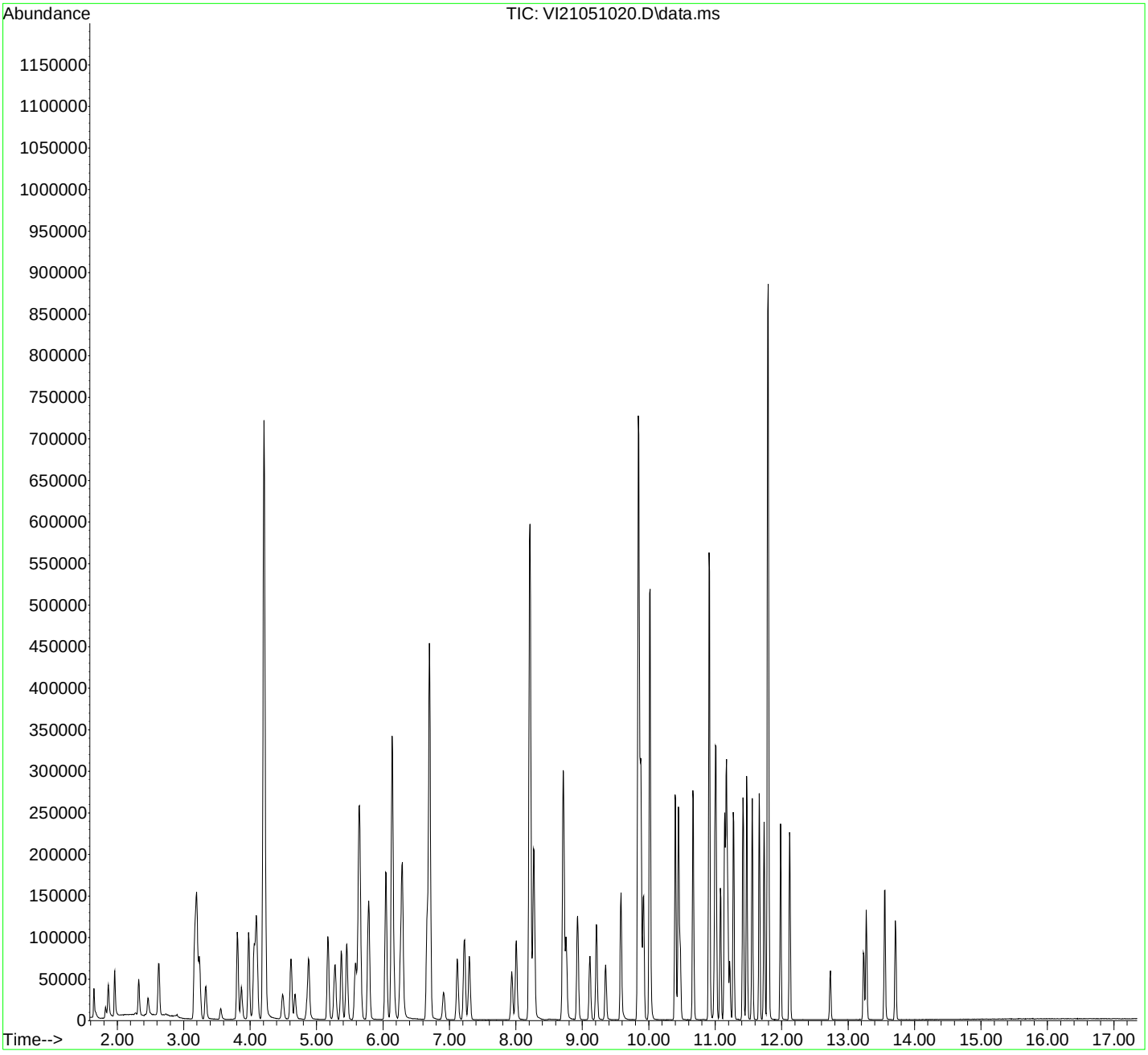
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	135410	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	371700	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.790	152	184930	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	134186	49.98	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.698	114	421624	50.40	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	483966	49.33	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	151014	48.87	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	30296	22.35	ug/L		98
3) Chloromethane	1.867	50	37042	18.41	ug/L		95
4) Vinyl Chloride	1.965	62	45623	19.84	ug/L		89
5) Bromomethane	2.323	96	21519	18.59	ug/L		99
6) Chloroethane	2.463	64	22816	16.96	ug/L		79
7) Trichlorofluoromethane	2.628	101	51912	20.05	ug/L		98
8) Ethanol	3.163	45	81100	1274.88	ug/L		86
9) 1,1-Dichloroethene	3.181	61	58464	18.16	ug/L		93
10) Carbon Disulfide	3.200	76	127056	23.43	ug/L		98
11) Freon 113	3.236	101	38056	17.99	ug/L		98
12) Iodomethane	3.333	142	48075	27.48	ug/L		93
13) Acrolein	3.558	56	11296	17.23	ug/L		75
14) Methylene Chloride	3.808	84	51135	19.12	ug/L		87
15) Acetone	3.869	43	48189	38.54	ug/L		93
16) t-1,2-Dichloroethene	3.978	61	58267	18.48	ug/L		91
17) n-Hexane	4.057	86	7377	18.50	ug/L	#	99
18) Methyl-tert-butyl-ether	4.094	73	145195	19.36	ug/L		93
19) tert-Butanol (TBA)	4.209	59	944679	1469.60	ug/L		85
20) Diisopropyl ether (DIPE)	4.489	45	29412	4.33	ug/L		95
21) 1,1-Dichloroethane	4.617	63	76590	18.11	ug/L		97
22) Acrylonitrile	4.678	53	26230	19.86	ug/L		99
23) Ethyl-tert-butyl ether...	4.866	59	30568	4.52	ug/L		97
24) Vinyl Acetate	4.885	43	92957	17.69	ug/L		97
25) c-1,2-Dichloroethene	5.171	61	59072	19.30	ug/L		89

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	48136	17.03	ug/L		97
27) Bromochloromethane	5.377	130	34613	20.79	ug/L		87
28) Chloroform	5.457	83	80105	18.90	ug/L		98
29) Carbon Tetrachloride	5.590	117	50879	18.38	ug/L		94
30) Tetrahydrofuran	5.621	42	26018	19.46	ug/L		88
31) 1,1,1-Trichloroethane	5.657	97	63962	18.32	ug/L		96
33) 1,1-Dichloropropene	5.785	75	57081	18.27	ug/L		95
34) 2-Butanone (MEK)	5.773	43	77495	39.79	ug/L		99
35) Benzene	6.047	78	180600	17.68	ug/L		97
36) tert-Amyl methyl ether...	6.168	73	30002	4.47	ug/L		96
37) 1,2-Dichloroethane (EDC)	6.260	62	61851	19.07	ug/L		91
38) iso-Butyl Alcohol	6.290	43	124804	517.39	ug/L		94
40) Trichloroethene (TCE)	6.667	130	46697	18.96	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.910	59	22043	4.71	ug/L		82
42) Dibromomethane	7.117	93	31735	19.70	ug/L		96
43) 1,2-Dichloropropane	7.227	63	44045	18.95	ug/L		98
44) Bromodichloromethane	7.300	83	57449	19.28	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.939	63	30513	17.50	ug/L	#	100
47) c-1,3-Dichloropropene	8.006	75	65029	18.81	ug/L		87
49) Toluene	8.267	91	184433	17.94	ug/L		99
50) Tetrachloroethene (PCE)	8.717	166	44896	17.61	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.711	43	135804	38.81	ug/L		96
52) t-1,3-Dichloropropene	8.760	75	56270	18.26	ug/L		98
53) 1,1,2-Trichloroethane	8.930	97	46348	19.65	ug/L		91
54) Dibromochloromethane	9.113	129	45258	19.76	ug/L		98
55) 1,3-Dichloropropane	9.216	76	74697	19.12	ug/L		90
56) 1,2-Dibromoethane (EDB)	9.350	107	48215	20.35	ug/L		95
57) 2-Hexanone	9.581	43	99543	39.25	ug/L		92
58) Chlorobenzene	9.861	112	122432	18.85	ug/L		99
59) Ethylbenzene	9.879	91	191006	17.98	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.922	131	40804	19.87	ug/L		96
61) m,p-Xylenes (2)	10.019	91	291829	36.99	ug/L		98
62) o-Xylene	10.396	91	149901	19.33	ug/L		99
63) Styrene	10.445	104	120285	20.13	ug/L		97
64) Bromoform	10.475	173	32903	19.44	ug/L		97
65) Isopropylbenzene	10.664	105	173275	19.01	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	10.993	156	51366	18.65	ug/L		88
69) n-Propylbenzene	11.011	91	196677	17.87	ug/L		100
70) 1,1,2,2-Tetrachloroethane	11.078	85	45509	19.17	ug/L		94
71) 2-Chlorotoluene	11.145	126	43767	19.16	ug/L		97
72) 1,3,5-Trimethylbenzene	11.169	105	137471	18.99	ug/L		98
73) 1,2,3-Trichloropropane	11.187	110	22169	18.84	ug/L		89
74) t-1,4-Dichloro-2-butene	11.218	53	12690	16.63	ug/L	#	74
75) 4-Chlorotoluene	11.272	91	128276	18.44	ug/L		95
76) tert-Butylbenzene	11.418	91	76424	18.06	ug/L		97
77) 1,2,4-Trimethylbenzene	11.473	105	136883	19.24	ug/L		96
78) sec-Butylbenzene	11.558	105	162121	18.60	ug/L		98
79) 4-Isopropyltoluene	11.662	119	133026	19.17	ug/L		99
80) 1,3-Dichlorobenzene	11.735	146	84696	18.78	ug/L		99
81) 1,4-Dichlorobenzene	11.802	146	88939	18.40	ug/L		96
82) n-Butylbenzene	11.984	91	106534	18.18	ug/L		98
83) 1,2-Dichlorobenzene	12.124	146	82376	19.12	ug/L		97
84) 1,2-Dibromo-3-Chloropr...	12.732	157	15234	20.15	ug/L		91
85) Hexachlorobutadiene	13.231	223	9790	18.37	ug/L		96
86) 1,2,4-Trichlorobenzene	13.274	180	38556	19.38	ug/L		98
87) Naphthalene	13.554	128	121006	18.13	ug/L		99
88) 1,2,3-Trichlorobenzene	13.712	180	36381	19.67	ug/L		94

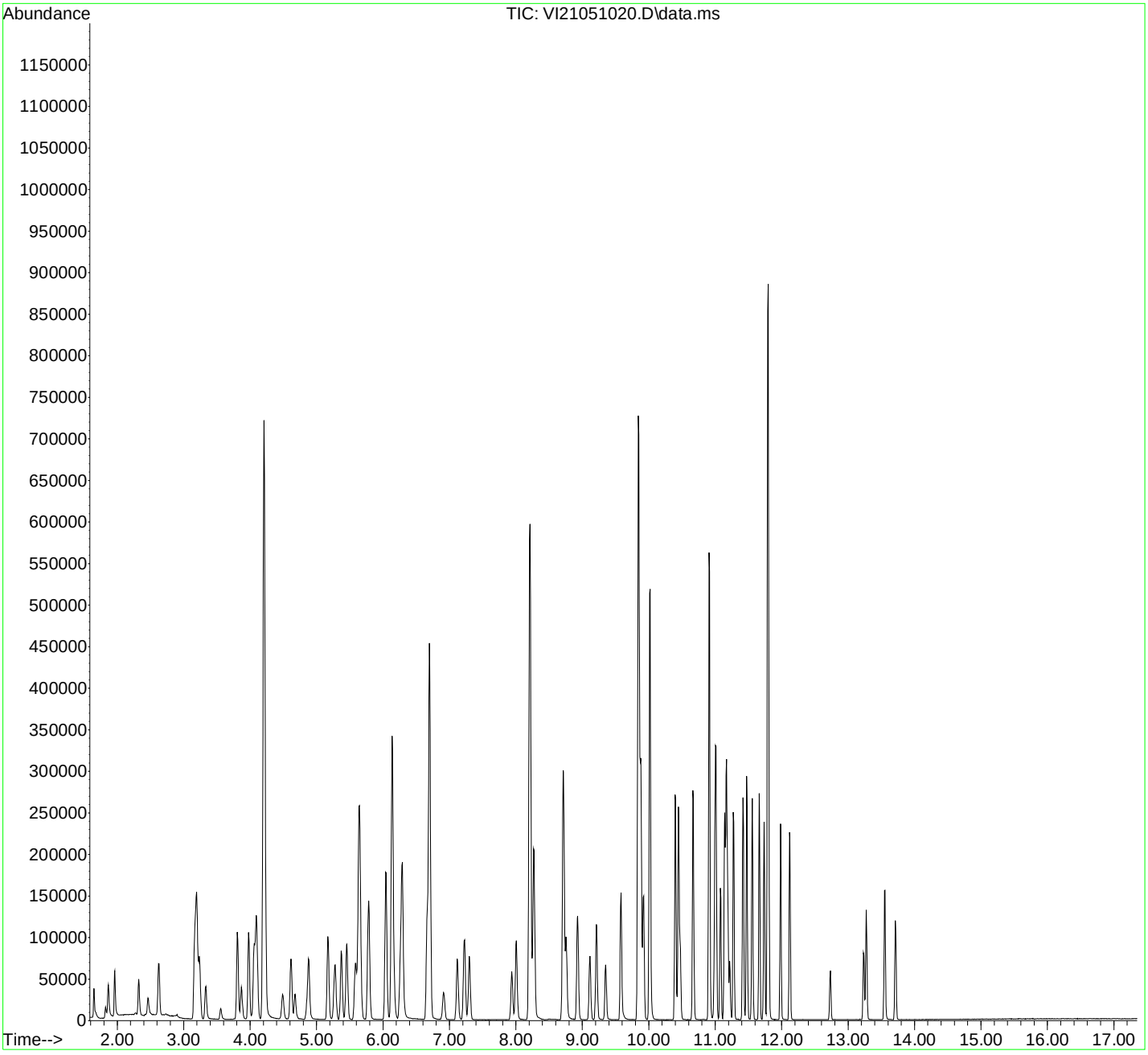
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051020.D
Acq On : 11 May 2021 12:03 am
Operator : PS
Sample : 1E10062-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:33 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051021.D
Acq On : 11 May 2021 12:31 am
Operator : PS
Sample : 1E10062-IBL7
Misc : 1X 5mL DI
ALS Vial : 21 Sample Multiplier: 1 05/11/21 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:36 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	132416	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	345252	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.796	152	151440	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	128324	48.88	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.704	114	406896	49.74	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	461749	50.67	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.914	174	131569	52.00	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.861	50	194	0.10	ug/L	#	47
6) Chloroethane	2.433	64	539	Below Cal		#	36
10) Carbon Disulfide	3.206	76	1800	0.34	ug/L		78
14) Methylene Chloride	3.814	84	3615	1.38	ug/L		84
15) Acetone	3.887	43	1216	0.99	ug/L		92
19) tert-Butanol (TBA)	4.222	59	111	0.18	ug/L		46
50) Tetrachloroethene (PCE)	8.711	166	261	0.11	ug/L	#	25
59) Ethylbenzene	9.891	91	644	0.07	ug/L	#	51
61) m,p-Xylenes (2)	10.025	91	931	0.13	ug/L		93
65) Isopropylbenzene	10.670	105	453	0.05	ug/L		54
69) n-Propylbenzene	11.017	91	905	0.10	ug/L		58
72) 1,3,5-Trimethylbenzene	11.169	105	419	0.07	ug/L	#	35
75) 4-Chlorotoluene	11.279	91	582	0.10	ug/L	#	45
76) tert-Butylbenzene	11.425	91	217	0.06	ug/L	#	85
77) 1,2,4-Trimethylbenzene	11.479	105	504	0.09	ug/L		86
78) sec-Butylbenzene	11.558	105	830	0.12	ug/L		59
79) 4-Isopropyltoluene	11.662	119	694	0.12	ug/L		74
80) 1,3-Dichlorobenzene	11.741	146	458	0.12	ug/L		90
81) 1,4-Dichlorobenzene	11.808	146	593	0.15	ug/L	#	54
82) n-Butylbenzene	11.990	91	854	0.18	ug/L		85
83) 1,2-Dichlorobenzene	12.130	146	254	0.07	ug/L		87
86) 1,2,4-Trichlorobenzene	13.274	180	454	0.28	ug/L		78
87) Naphthalene	13.560	128	968	0.31	ug/L		81
88) 1,2,3-Trichlorobenzene	13.712	180	405	0.27	ug/L		79

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051021.D
Acq On : 11 May 2021 12:31 am
Operator : PS
Sample : 1E10062-IBL7
Misc : 1X 5mL DI
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:36 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

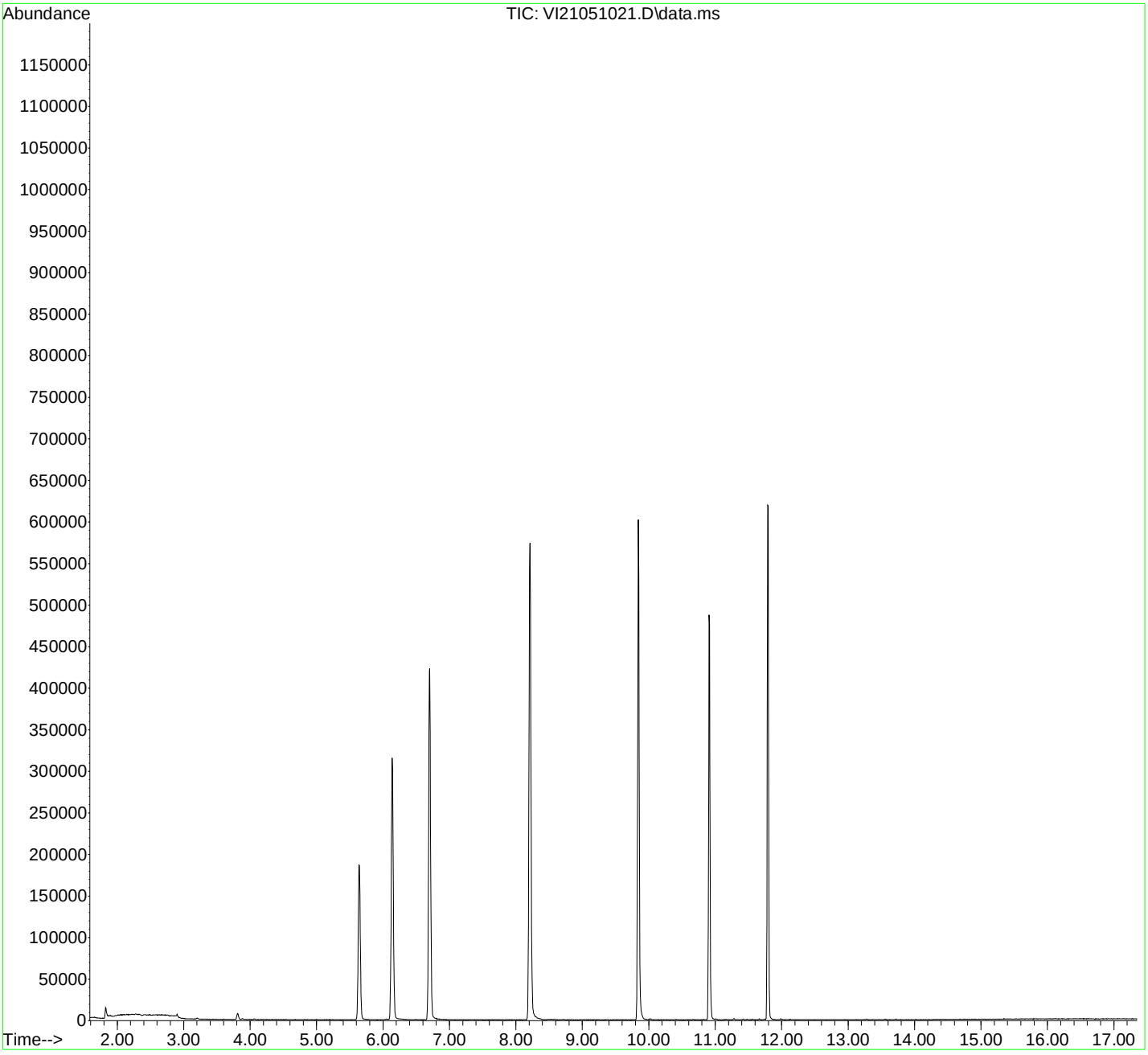
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051021.D
Acq On : 11 May 2021 12:31 am
Operator : PS
Sample : 1E10062-IBL7
Misc : 1X 5mL DI
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:36 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

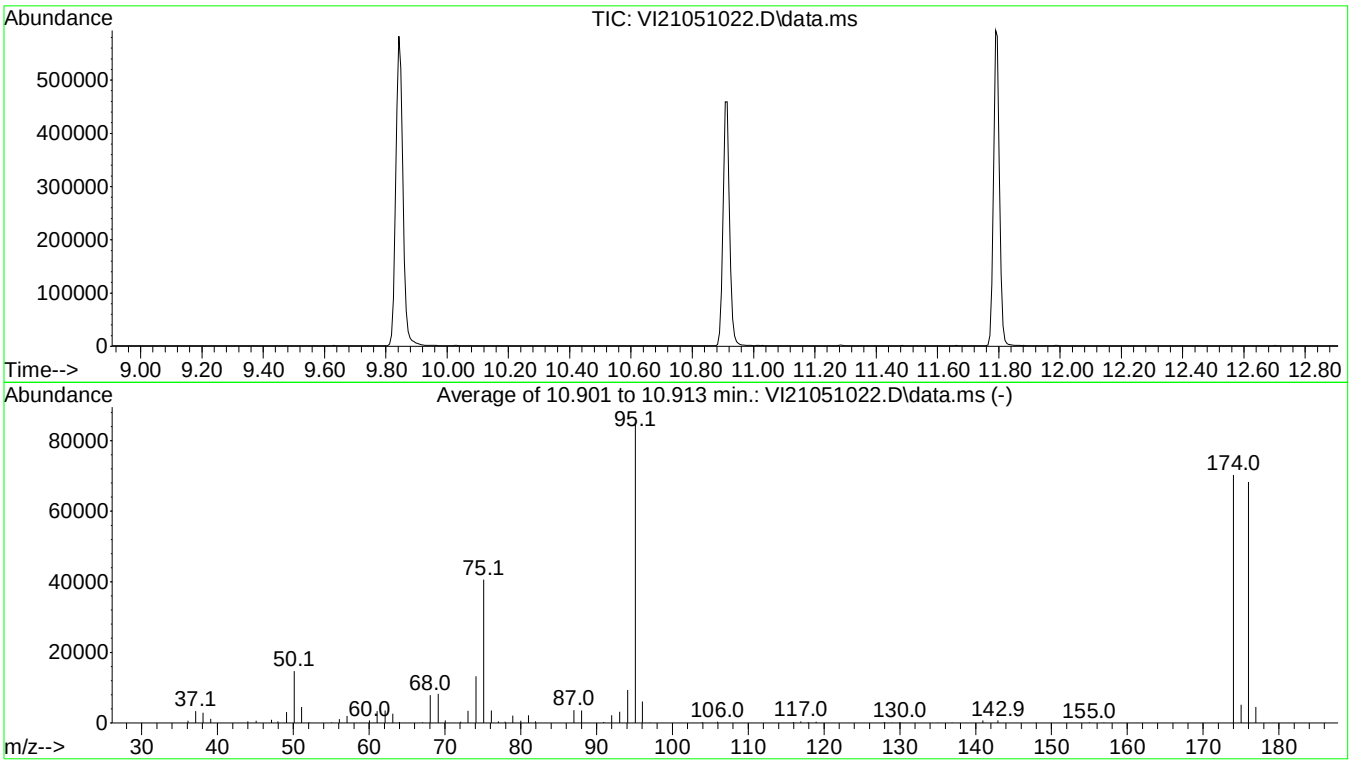


BFB

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051022.D
Acq On : 11 May 2021 12:59 am
Operator : PS
Sample : 1E10062-TUN2 05/11/21 TNL
Misc : A21B495 5mL BFB (IS/SURR)
ALS Vial : 22 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\VI210510W.M
Title : GCMS9: Volatile Organic Compounds
Last Update : Tue May 11 09:54:38 2021



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1526

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	121.3	85256	PASS
96	95	5	9	7.2	6125	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	82.4	70291	PASS
175	174	5	9	7.4	5179	PASS
176	174	95	105	97.2	68339	PASS
177	176	5	10	6.6	4514	PASS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051022.D
Acq On : 11 May 2021 12:59 am 05/11/21 TNL
Operator : PS
Sample : 1E10062-TUN2
Misc : A21B495 5mL BFB (IS/SURR)
ALS Vial : 22 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:39 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.138	99	125119	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.843	117	329168	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.795	152	143411	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.639	111	122704	49.47	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.703	114	387679	50.16	ug/L		0.00
48) Toluene-d8 (S)	8.212	98	440050	50.64	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.913	174	125581	52.41	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.861	50	261	0.14	ug/L	#	47
6) Chloroethane	2.475	64	762	0.06	ug/L	#	36
10) Carbon Disulfide	3.199	76	946	0.19	ug/L		78
14) Methylene Chloride	3.814	84	3576	1.45	ug/L	#	81
15) Acetone	3.881	43	959	0.83	ug/L		88
61) m,p-Xylenes (2)	10.019	91	489	0.07	ug/L	#	34
69) n-Propylbenzene	11.017	91	546	0.06	ug/L		58
78) sec-Butylbenzene	11.564	105	345	0.05	ug/L		59
79) 4-Isopropyltoluene	11.674	119	283	0.05	ug/L		51
80) 1,3-Dichlorobenzene	11.741	146	201	0.06	ug/L	#	25
81) 1,4-Dichlorobenzene	11.802	146	322	0.09	ug/L	#	1
82) n-Butylbenzene	11.996	91	333	0.07	ug/L	#	31
87) Naphthalene	13.554	128	230	0.18	ug/L		81

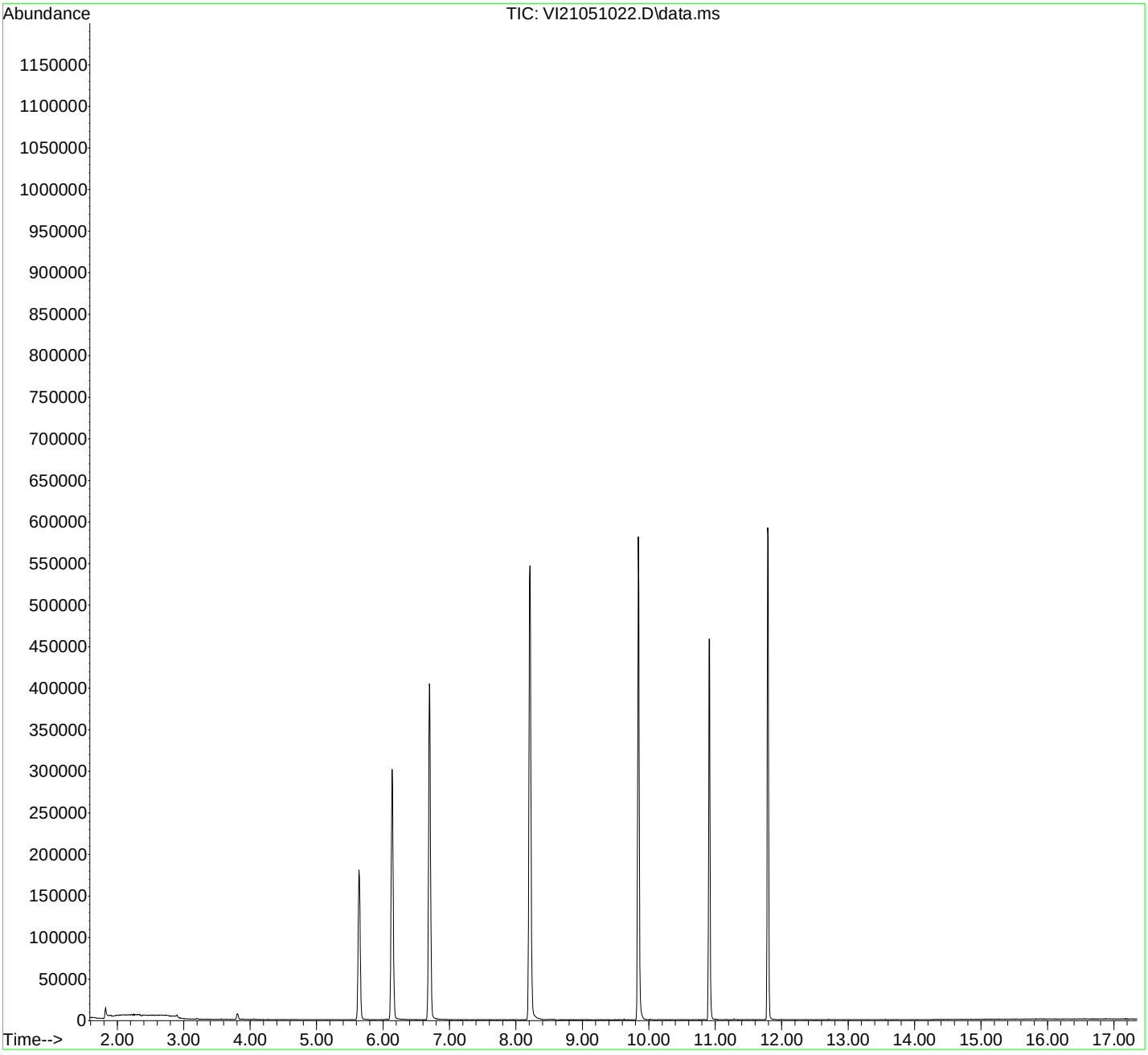
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051022.D
Acq On : 11 May 2021 12:59 am
Operator : PS
Sample : 1E10062-TUN2
Misc : A21B495 5mL BFB (IS/SURR)
ALS Vial : 22 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:37:39 2021
Quant Method : C:\msdchem\1\methods\VI210510W.M
Quant Title : GCMS9: Volatile Organic Compounds
QLast Update : Tue May 11 09:54:38 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 16:19:11 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	240385	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	381359	49.73	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	120587	46.96	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	426743	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	321474	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	216651	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	15132m	37.60	ug/L	
5) TPHg (C5-C9)	9.890	TIC	363741m	21.78	ug/L	
6) TPHg (C6-C10)	9.890	TIC	349811m	24.34	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	407941m	25.62	ug/L	

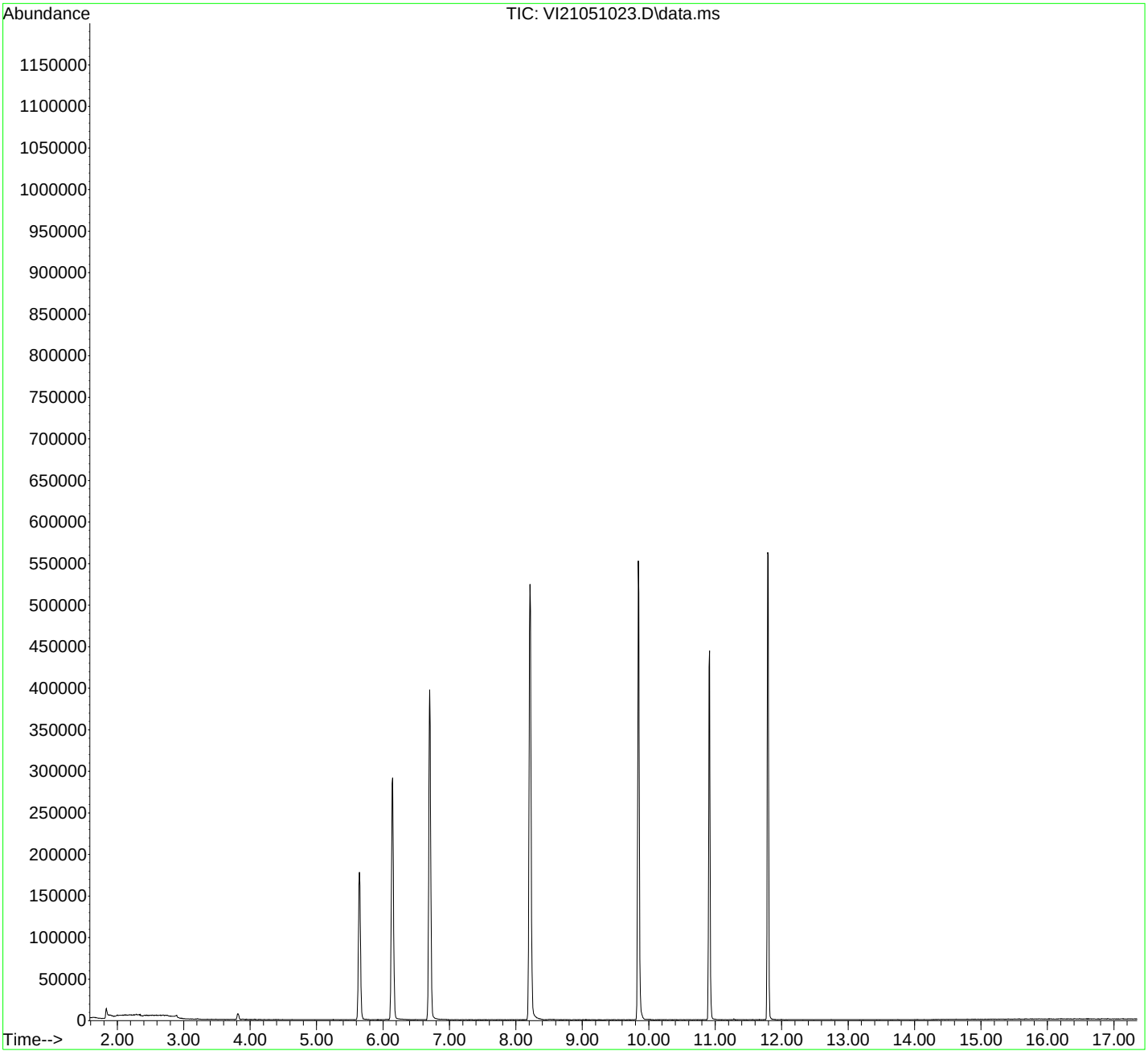
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:19:11 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1

V 05/11/21 TNL

DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:19:11 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	240385	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	381359	49.73	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	120587	46.96	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	426743	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	321474	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	216651	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	15132m	37.60	ug/L	
5) TPHg (C5-C9)	9.890	TIC	363741m	21.78	ug/L	
6) TPHg (C6-C10)	9.890	TIC	349811m	24.34	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	407941m	25.62	ug/L	

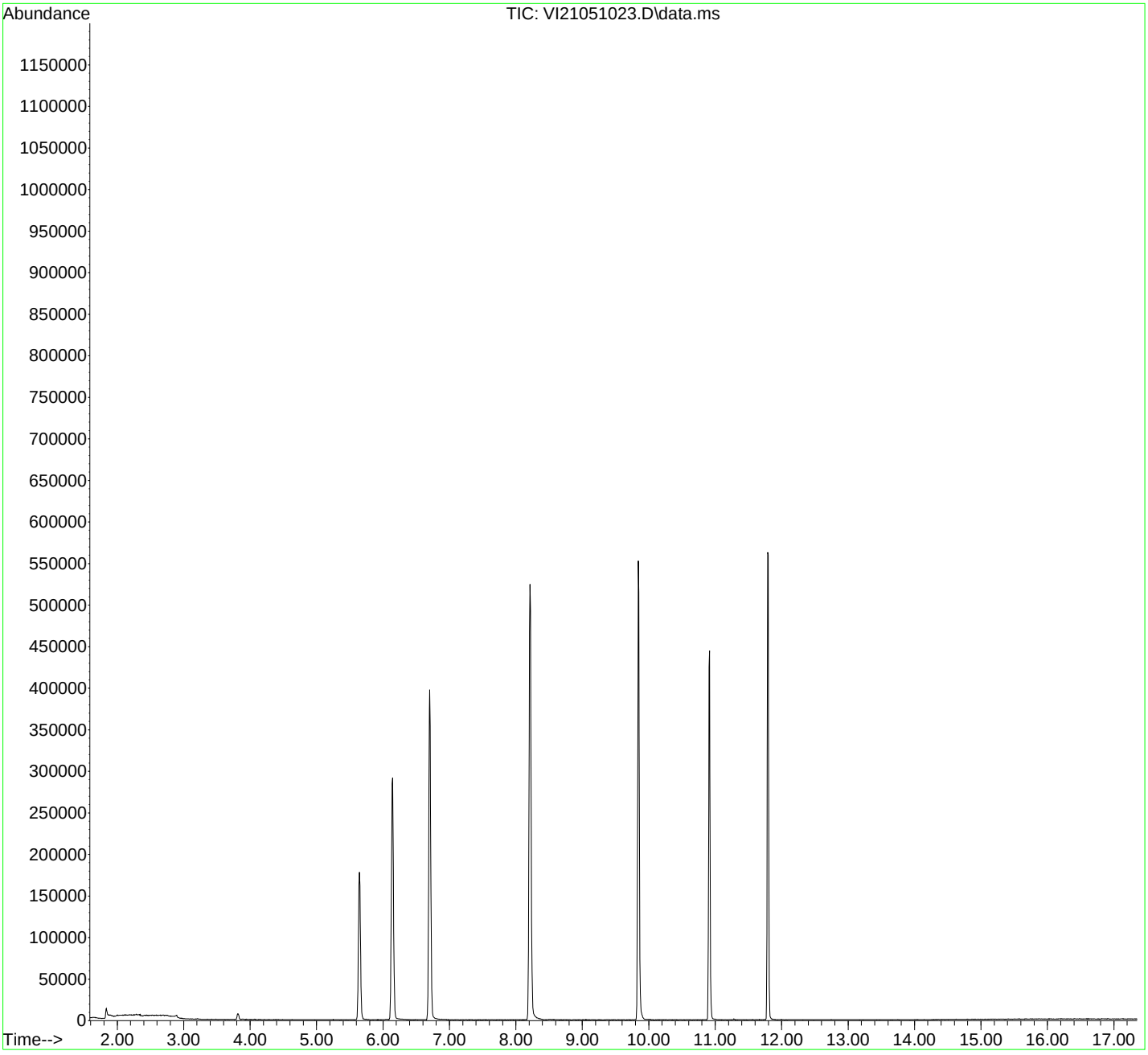
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051023.D
Acq On : 11 May 2021 1:26 am
Operator : PS
Sample : 1E10062-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:19:11 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051024.D
Acq On : 11 May 2021 1:54 am
Operator : PS
Sample : 1E10062-RT1 05/11/21 TNL
Misc : 1X 5mL A21C119
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:19:14 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	241614	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	388632	50.42	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	130551	50.58	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	447785	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	337231	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	249275	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2583021m	404.03	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2037743m	221.11	ug/L	
6) TPHg (C6-C10)	9.890	TIC	1804971m	230.31	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	2971613m	281.78	ug/L	

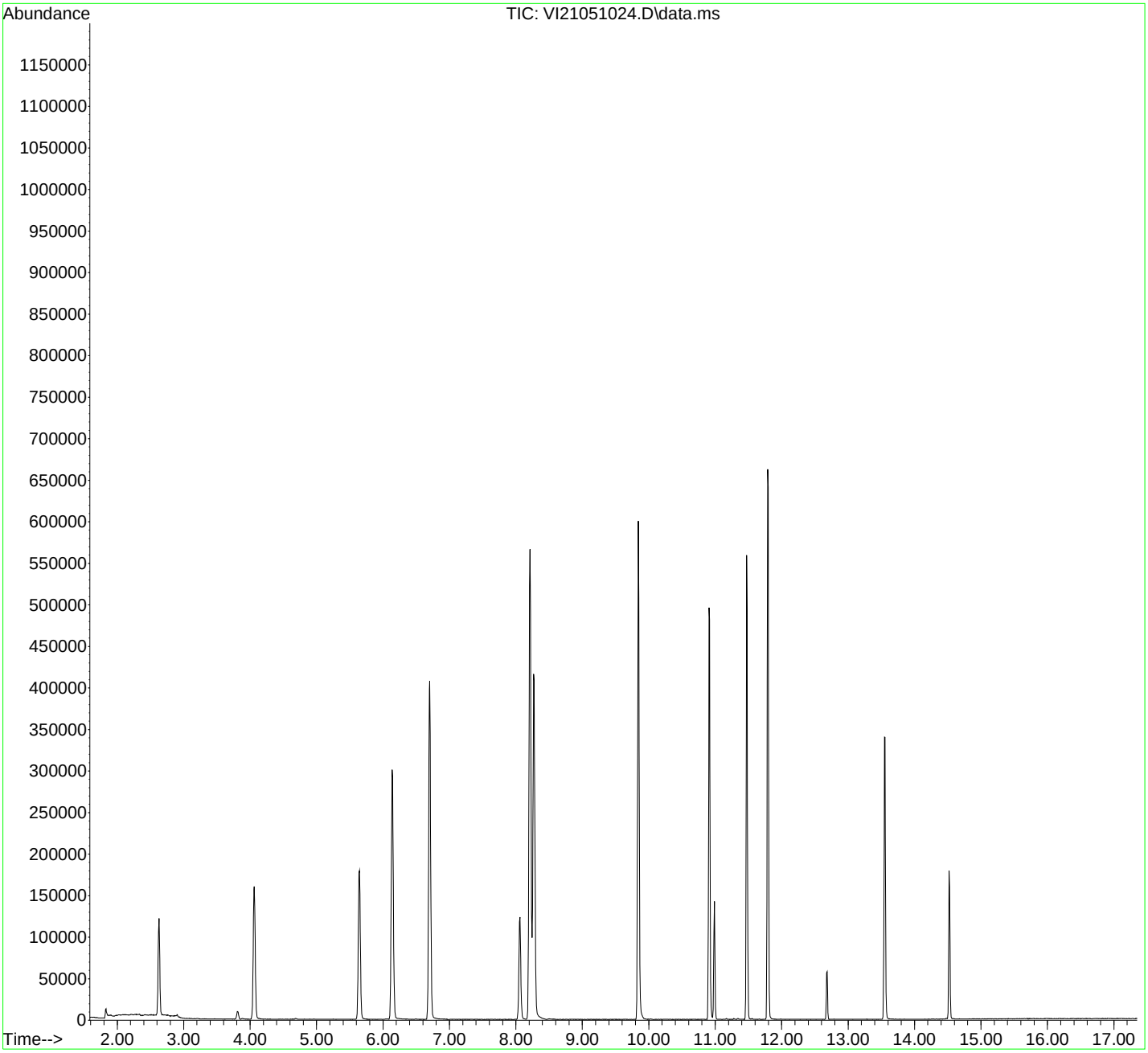
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051024.D
Acq On : 11 May 2021 1:54 am
Operator : PS
Sample : 1E10062-RT1
Misc : 1X 5mL A21C119
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:19:14 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051025.D
Acq On : 11 May 2021 2:21 am
Operator : PS
Sample : 1E10062-IBL8
Misc : 1X 5mL DI
ALS Vial : 25 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 16:19:17 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	238633	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	381825	50.15	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	121300	47.59	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	431496	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	321885	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	217047	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	10668m	36.97	ug/L	
5) TPHg (C5-C9)	9.890	TIC	384290m	24.59	ug/L	
6) TPHg (C6-C10)	9.890	TIC	347928m	24.44	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	422331m	27.38	ug/L	

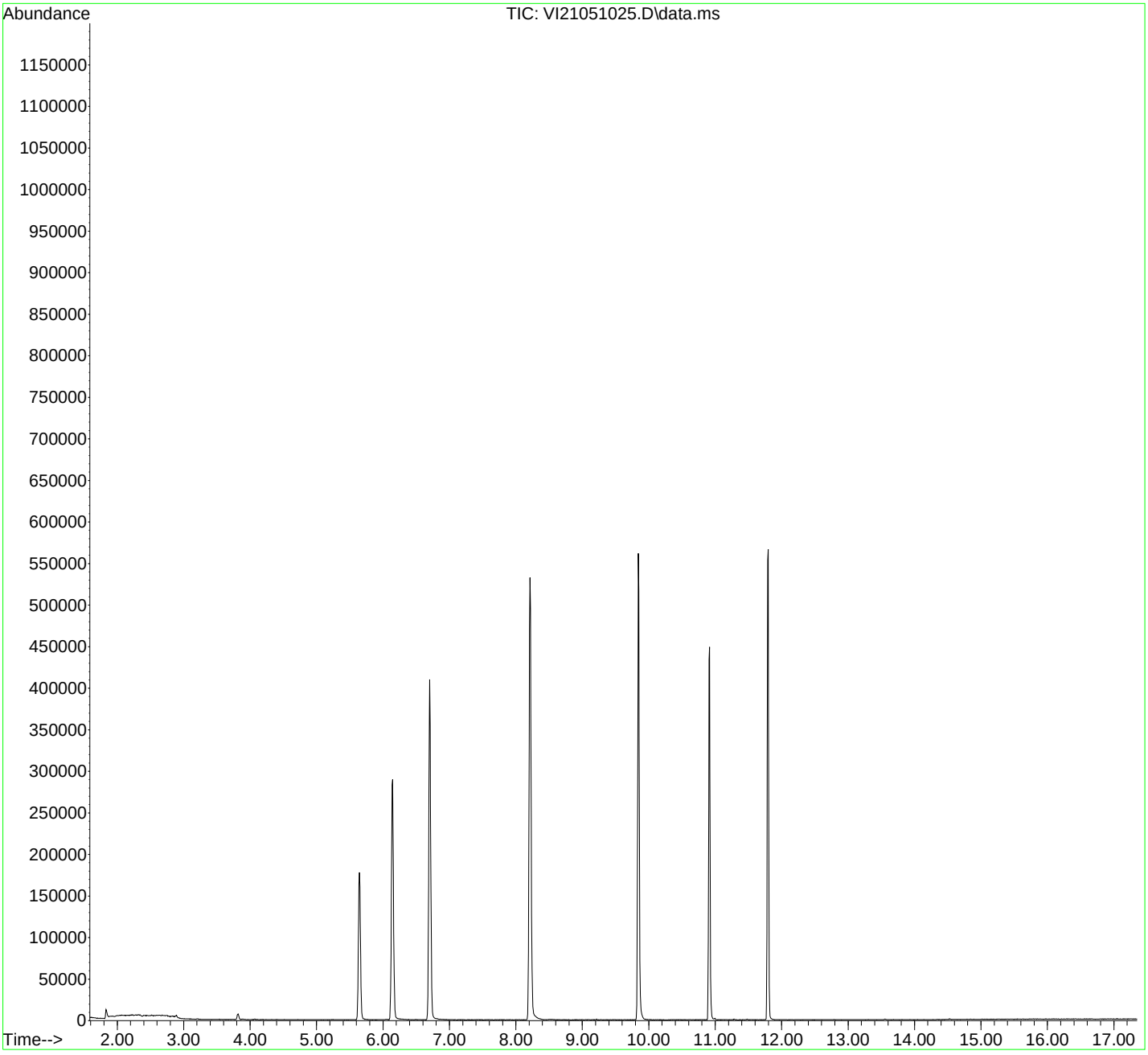
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051025.D
Acq On : 11 May 2021 2:21 am
Operator : PS
Sample : 1E10062-IBL8
Misc : 1X 5mL DI
ALS Vial : 25 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:19:17 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX 05/11/21 TNL
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:12:06 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	238037	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	381853	49.50	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	121659	52.73	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	428854	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	320332	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	216918	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	136640m	47.34	ug/L	
5) TPHg (C5-C9)	9.890	TIC	610446m	40.69	ug/L	
6) TPHg (C6-C10)	9.890	TIC	534301m	40.45	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	689888m	48.20	ug/L	

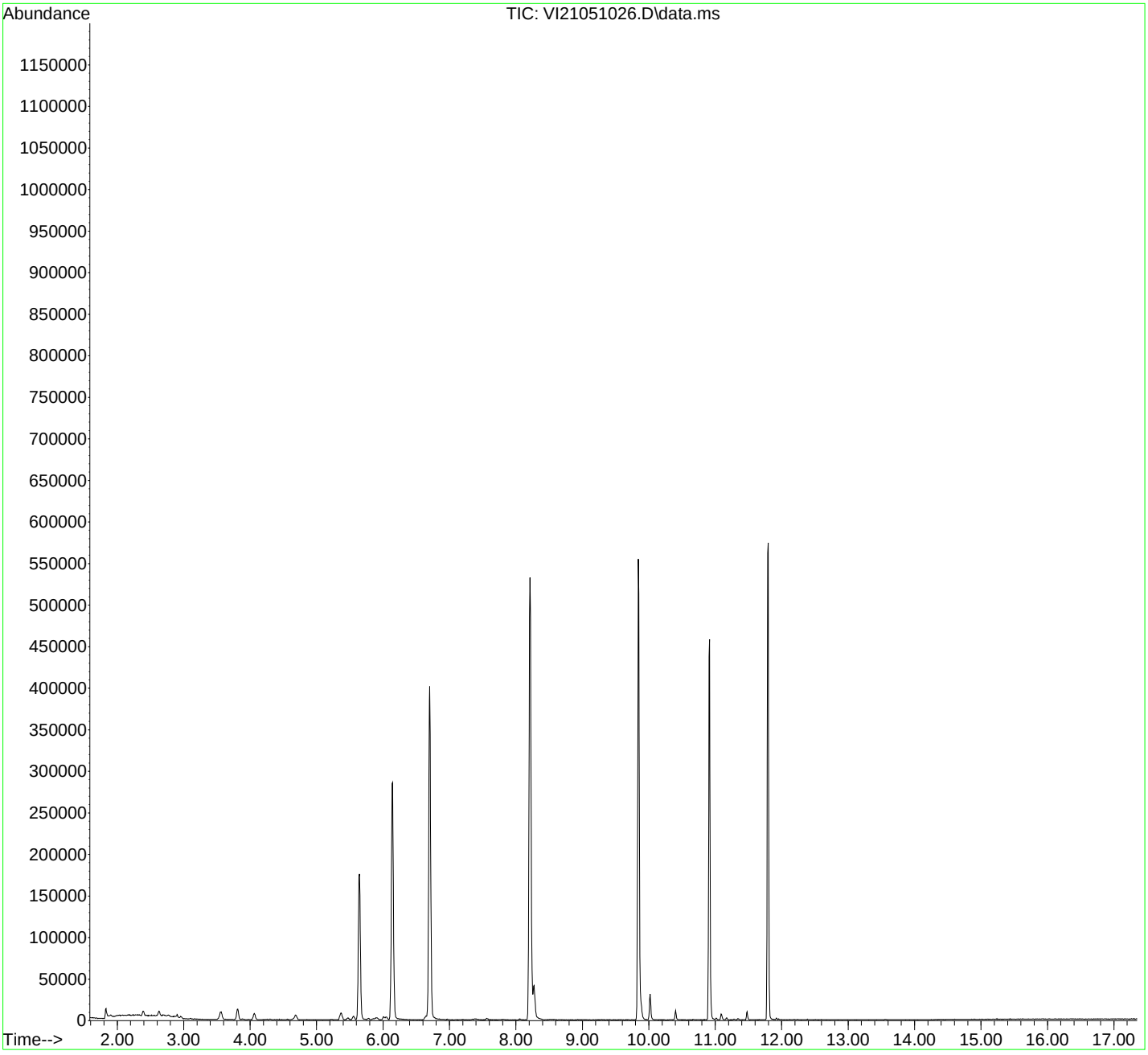
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:12:06 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

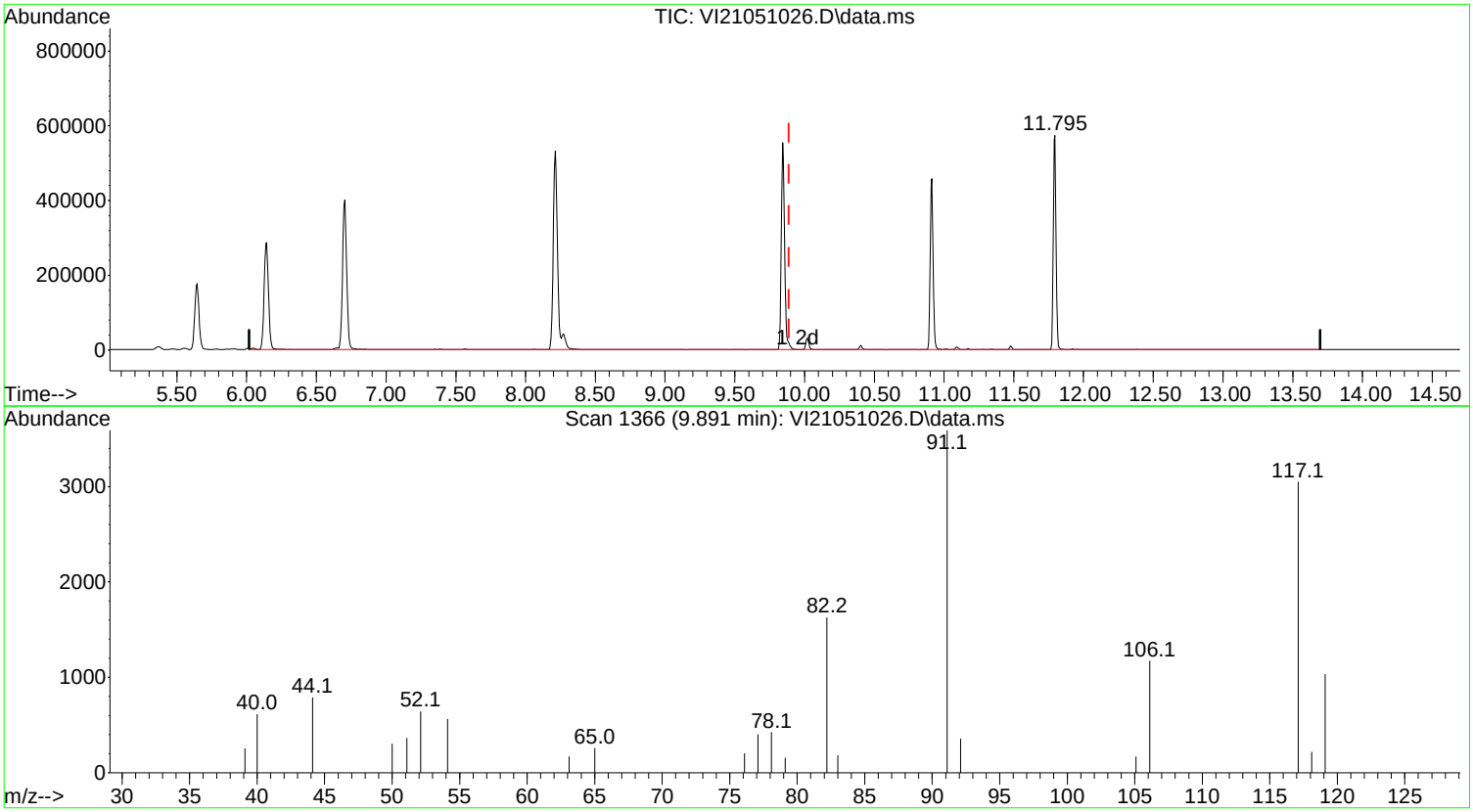


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:12:06 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051026.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 47.34 ug/L m

response 136640

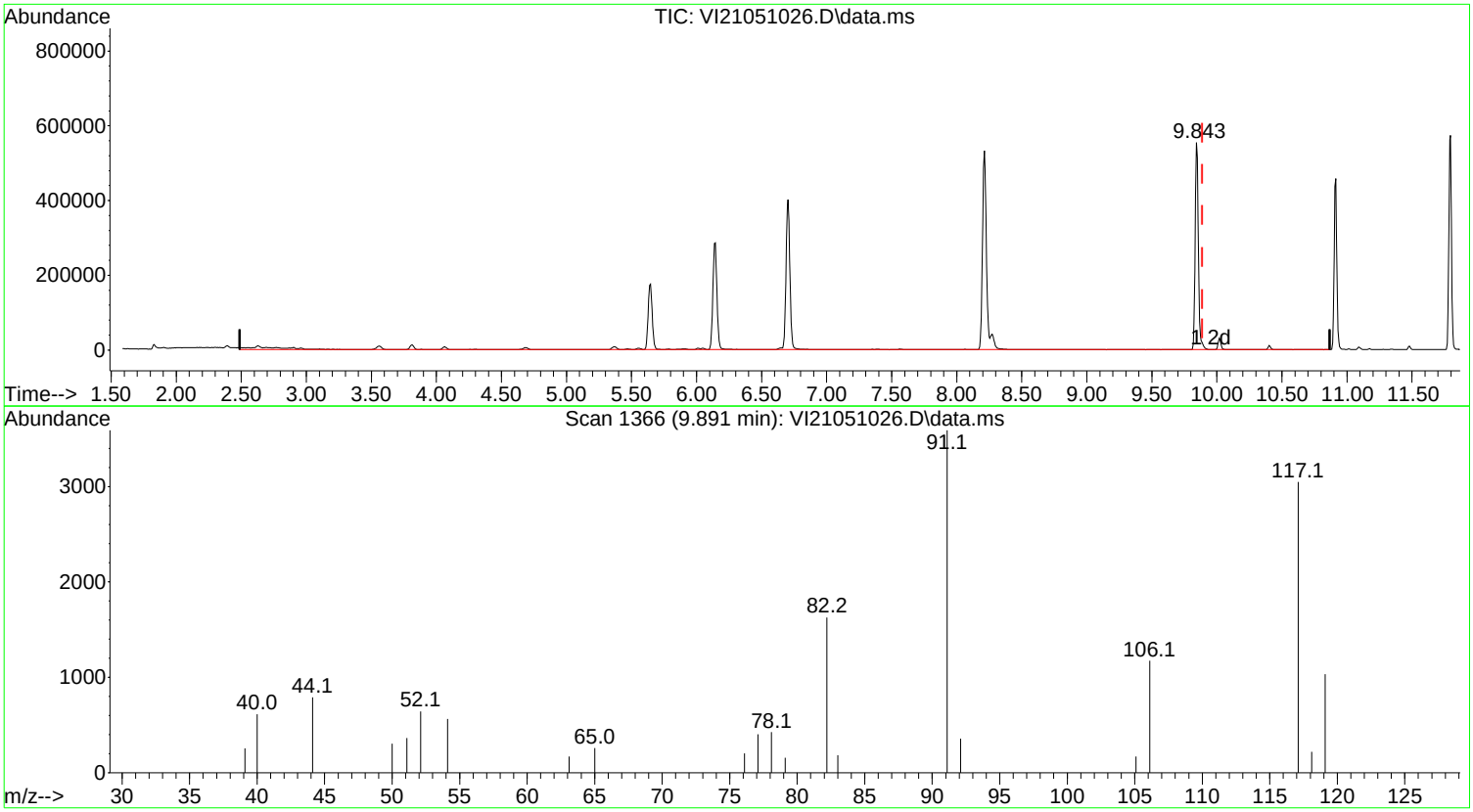
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:12:06 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051026.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 40.69 ug/L m

response 610446

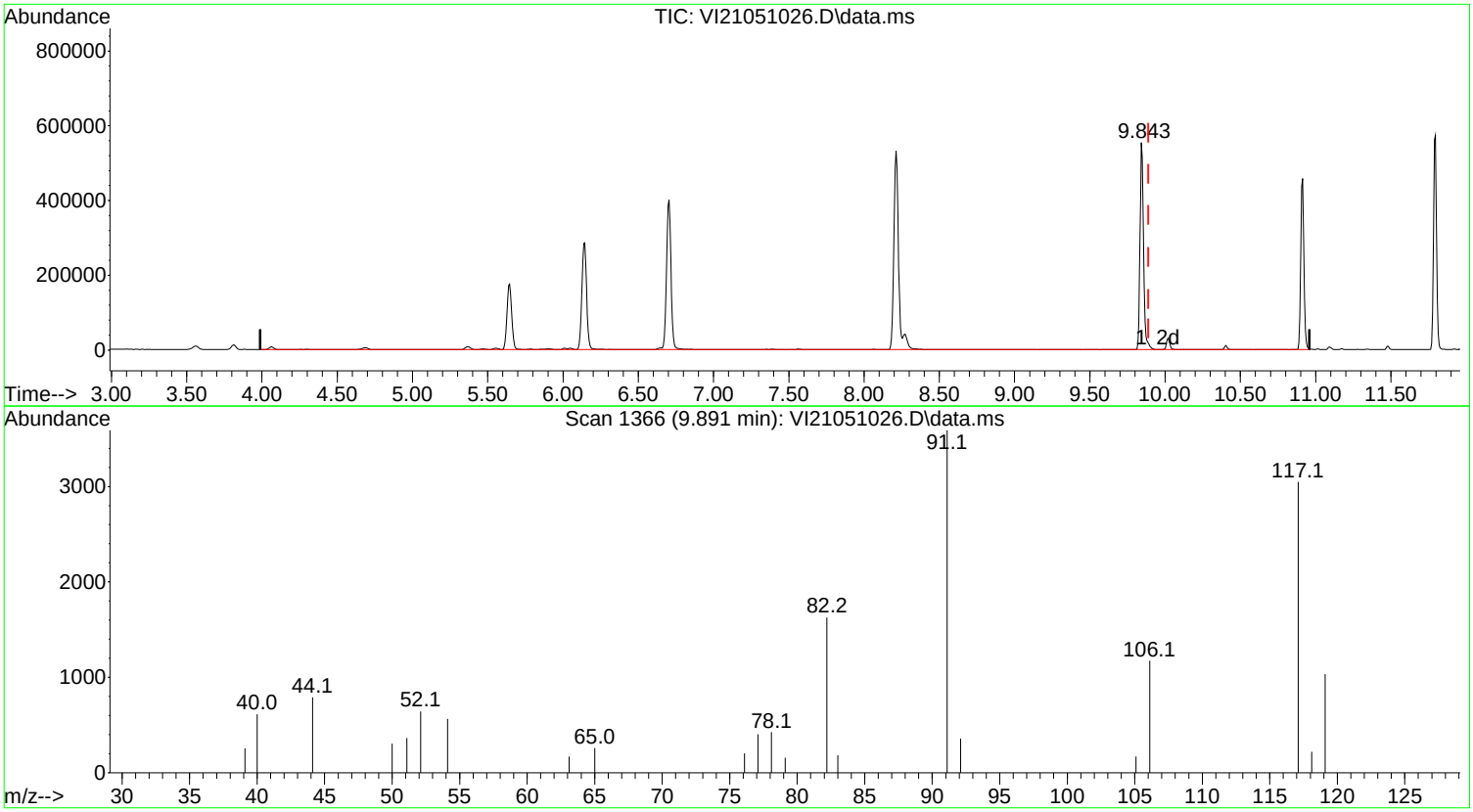
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:12:06 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051026.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 40.45 ug/L m

response 534301

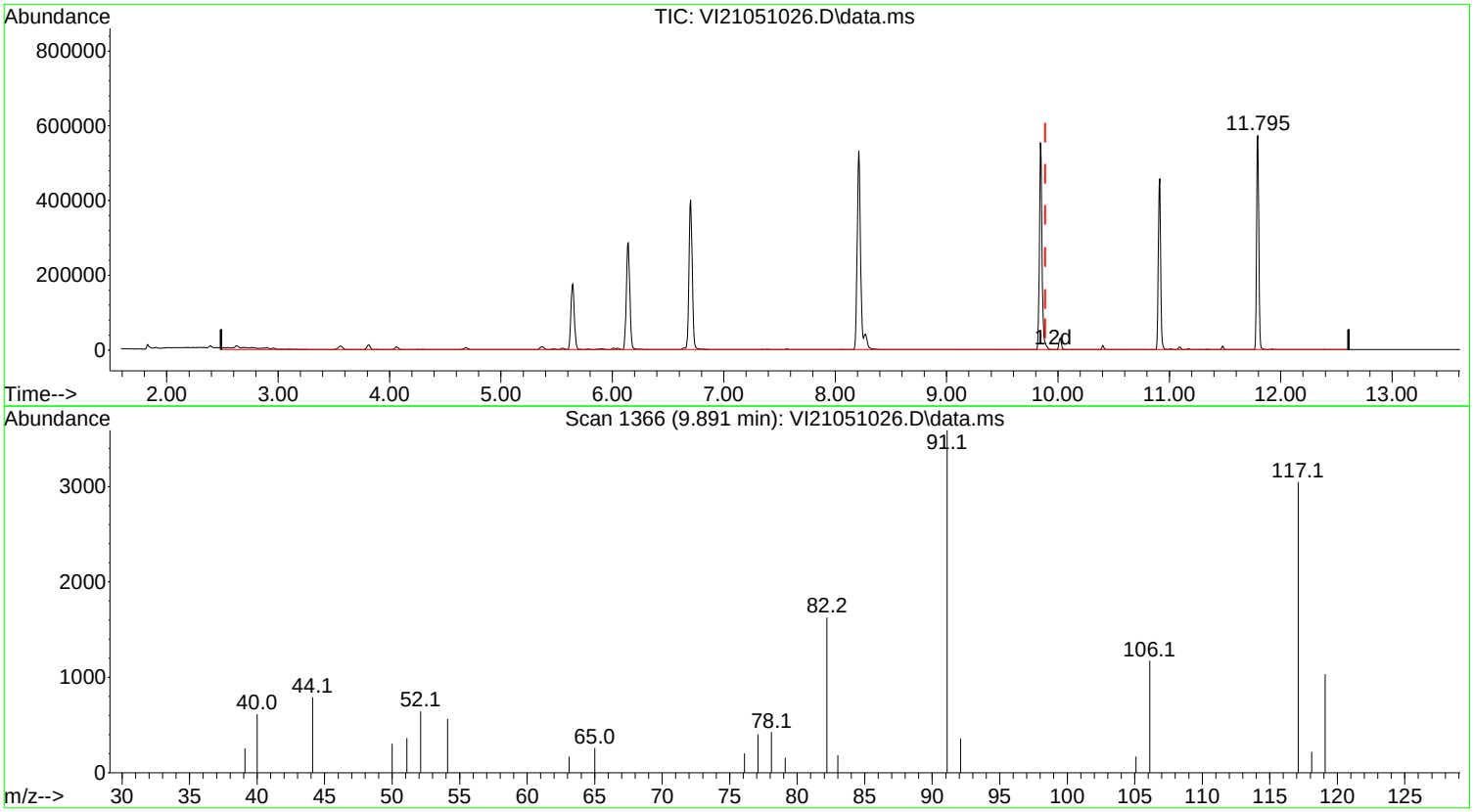
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:15:23 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051026.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 48.20 ug/L m

response 689888

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:15:23 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	238037	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	381853	49.50	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	121659	52.73	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	428854	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	320332	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	216918	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	136640m	47.34	ug/L	
5) TPHg (C5-C9)	9.890	TIC	610446m	40.69	ug/L	
6) TPHg (C6-C10)	9.890	TIC	534301m	40.45	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	689888m	48.20	ug/L	

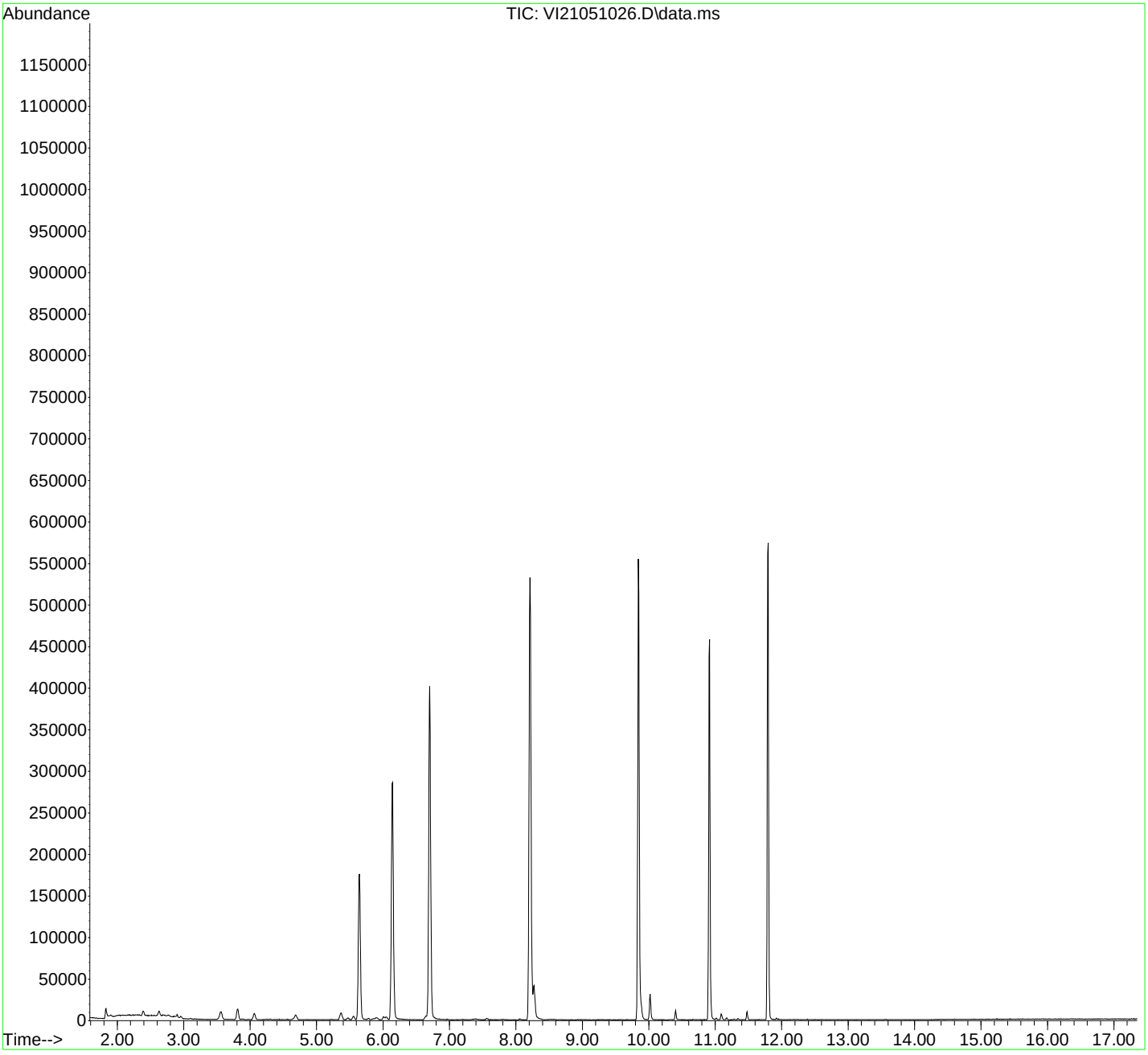
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051026.D
Acq On : 11 May 2021 2:48 am
Operator : PS
Sample : 1E10062-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:15:23 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	234133	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	373744	49.26	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	119989	52.88	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	422295	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	314140	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	216554	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	486539m	99.34	ug/L	
5) TPHg (C5-C9)	9.890	TIC	1068246m	97.01	ug/L	
6) TPHg (C6-C10)	9.890	TIC	920246m	96.58	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	1193255m	99.42	ug/L	

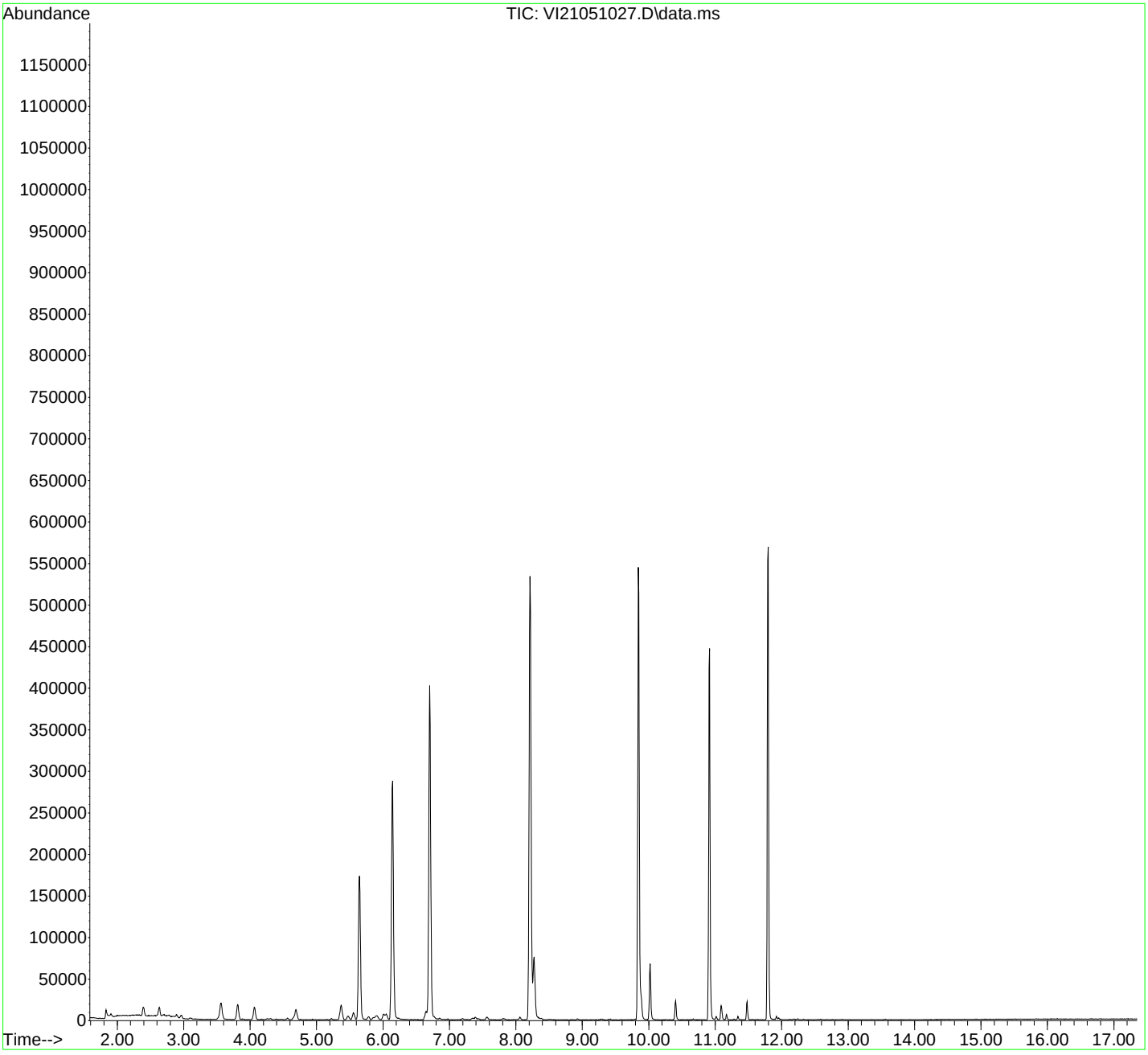
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

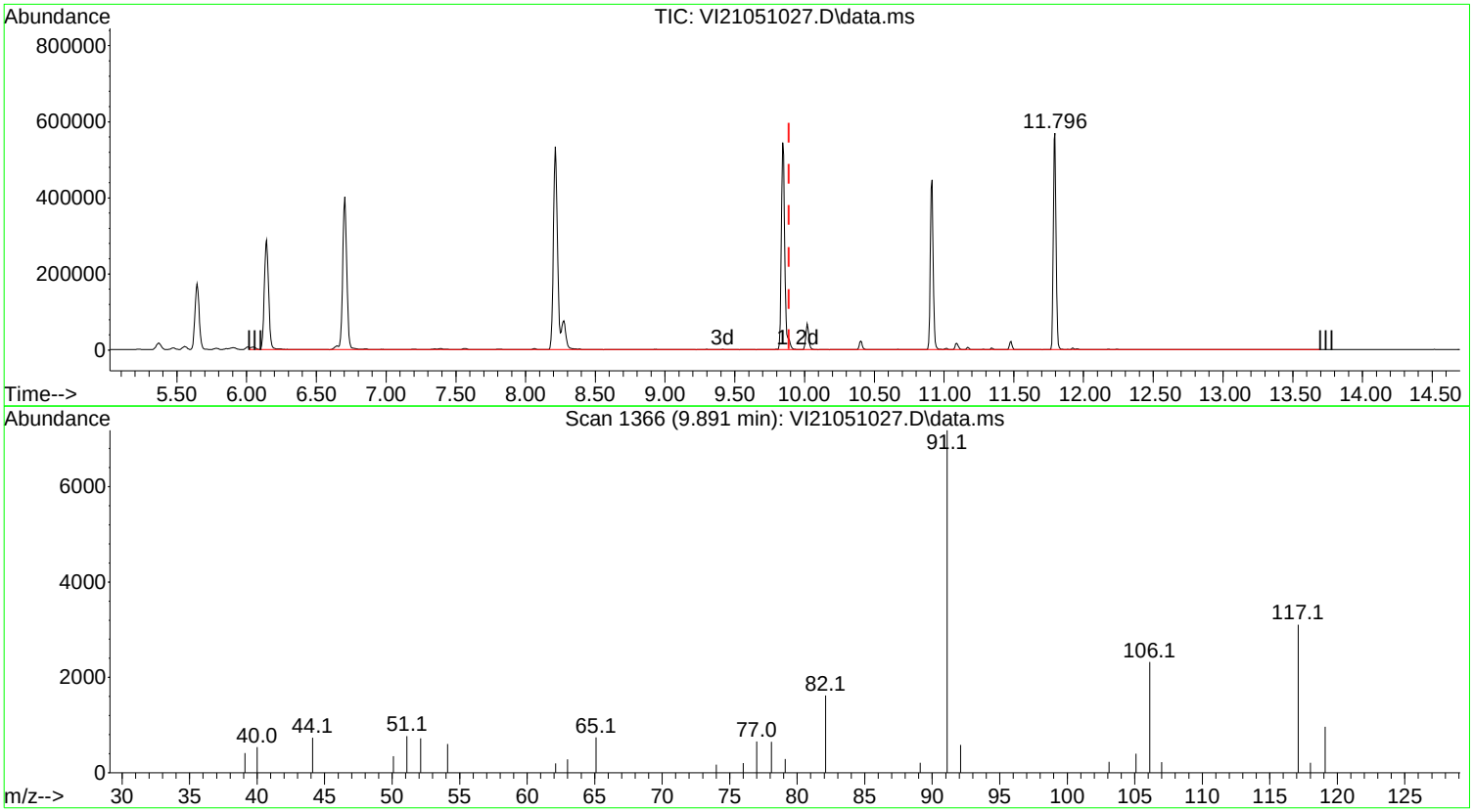


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051027.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 99.34 ug/L m

response 486539

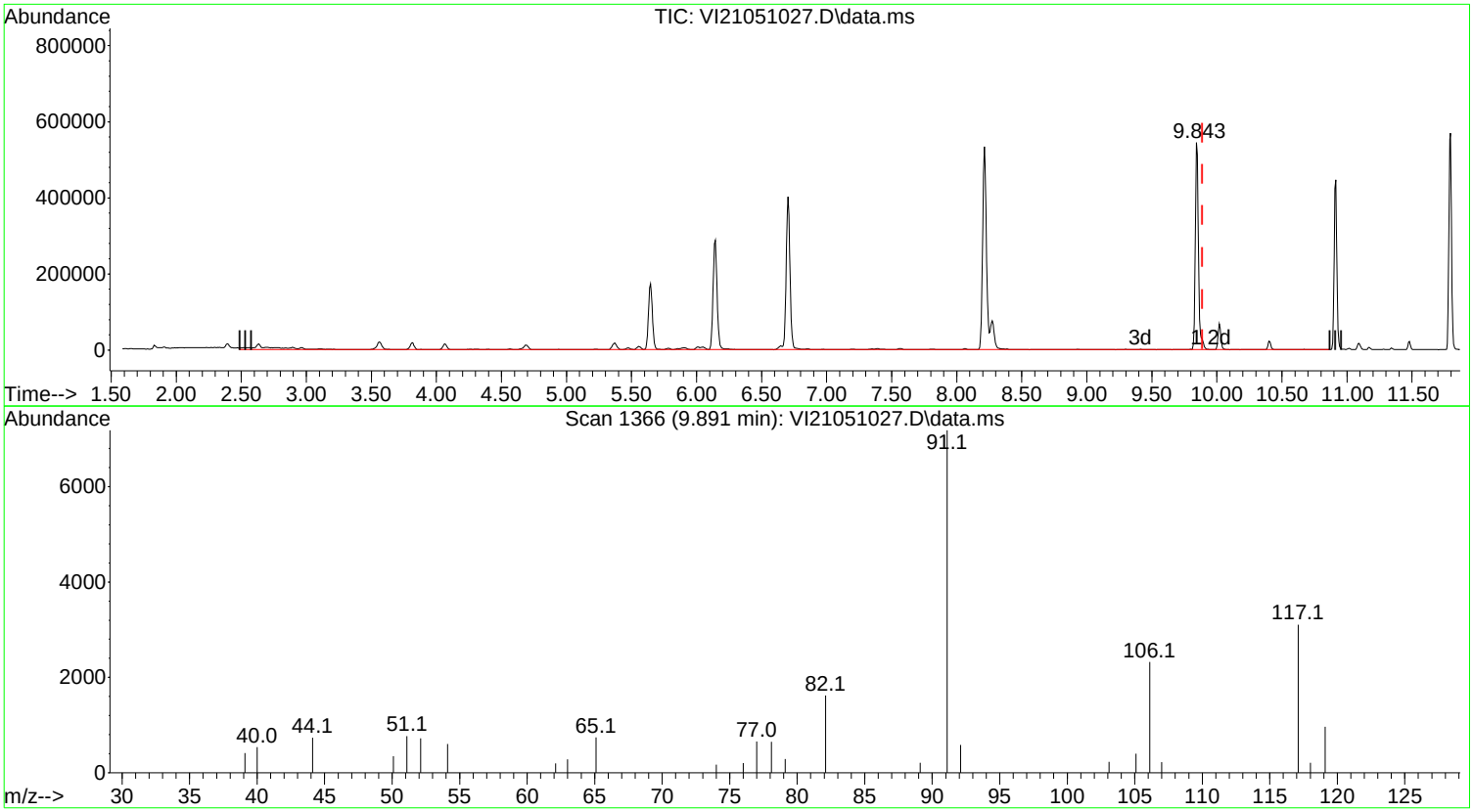
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051027.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 97.01 ug/L m

response 1068246

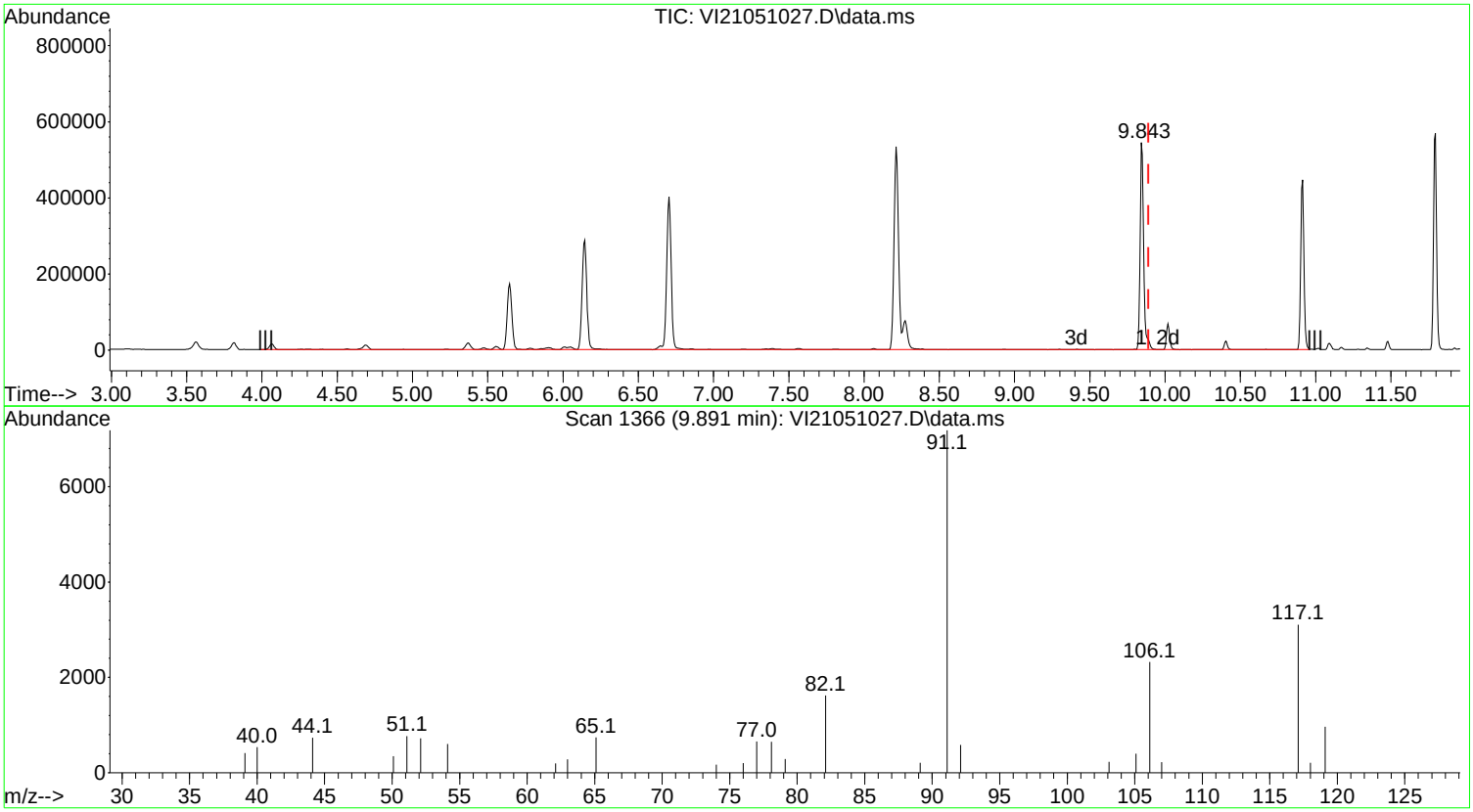
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051027.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 96.58 ug/L m

response 920246

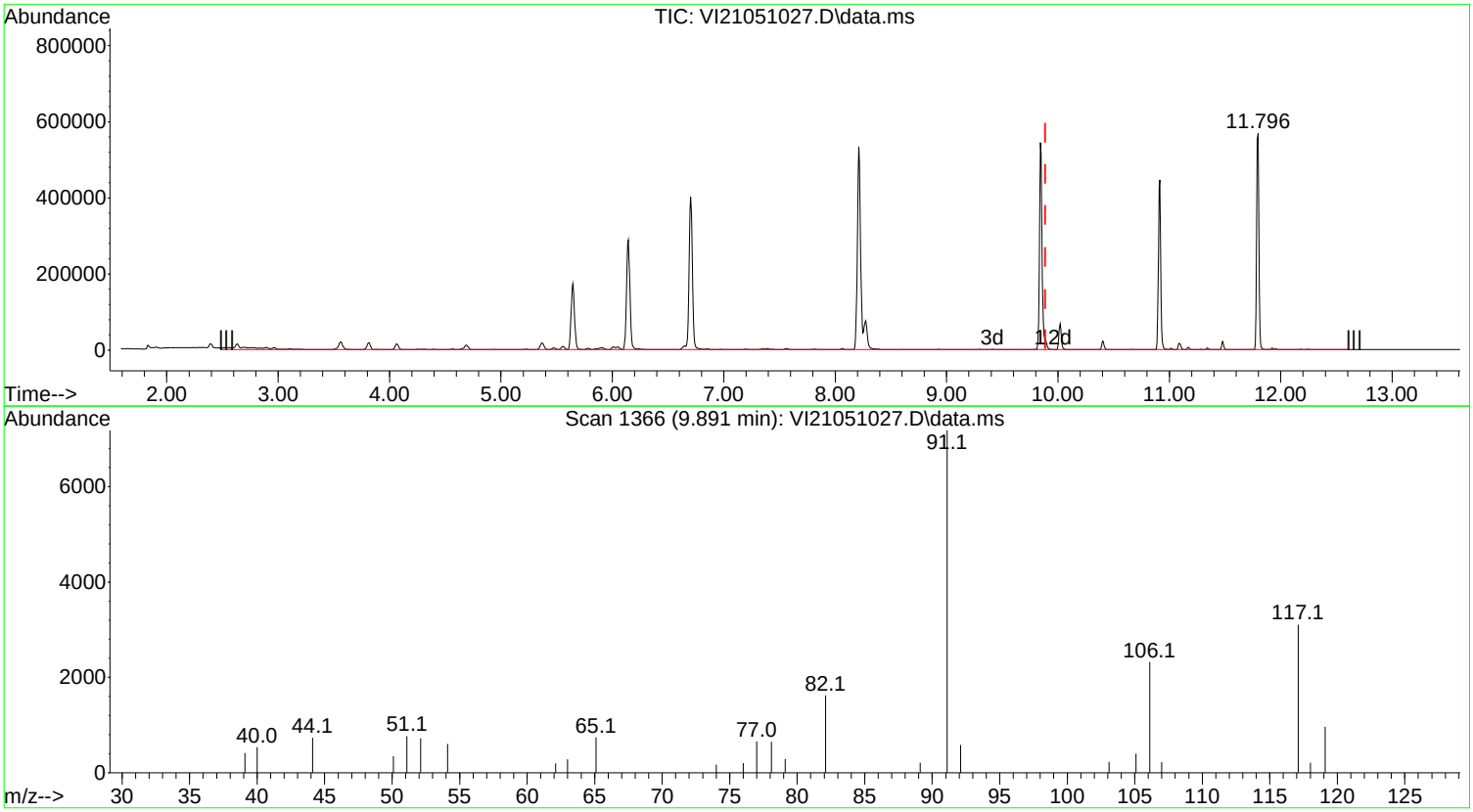
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051027.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 99.42 ug/L m

response 1193255

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD 05/11/21 TNL
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	234133	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	373744	49.26	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	119989	52.88	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	422295	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	314140	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	216554	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	486539m	99.34	ug/L	
5) TPHg (C5-C9)	9.890	TIC	1068246m	97.01	ug/L	
6) TPHg (C6-C10)	9.890	TIC	920246m	96.58	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	1193255m	99.42	ug/L	

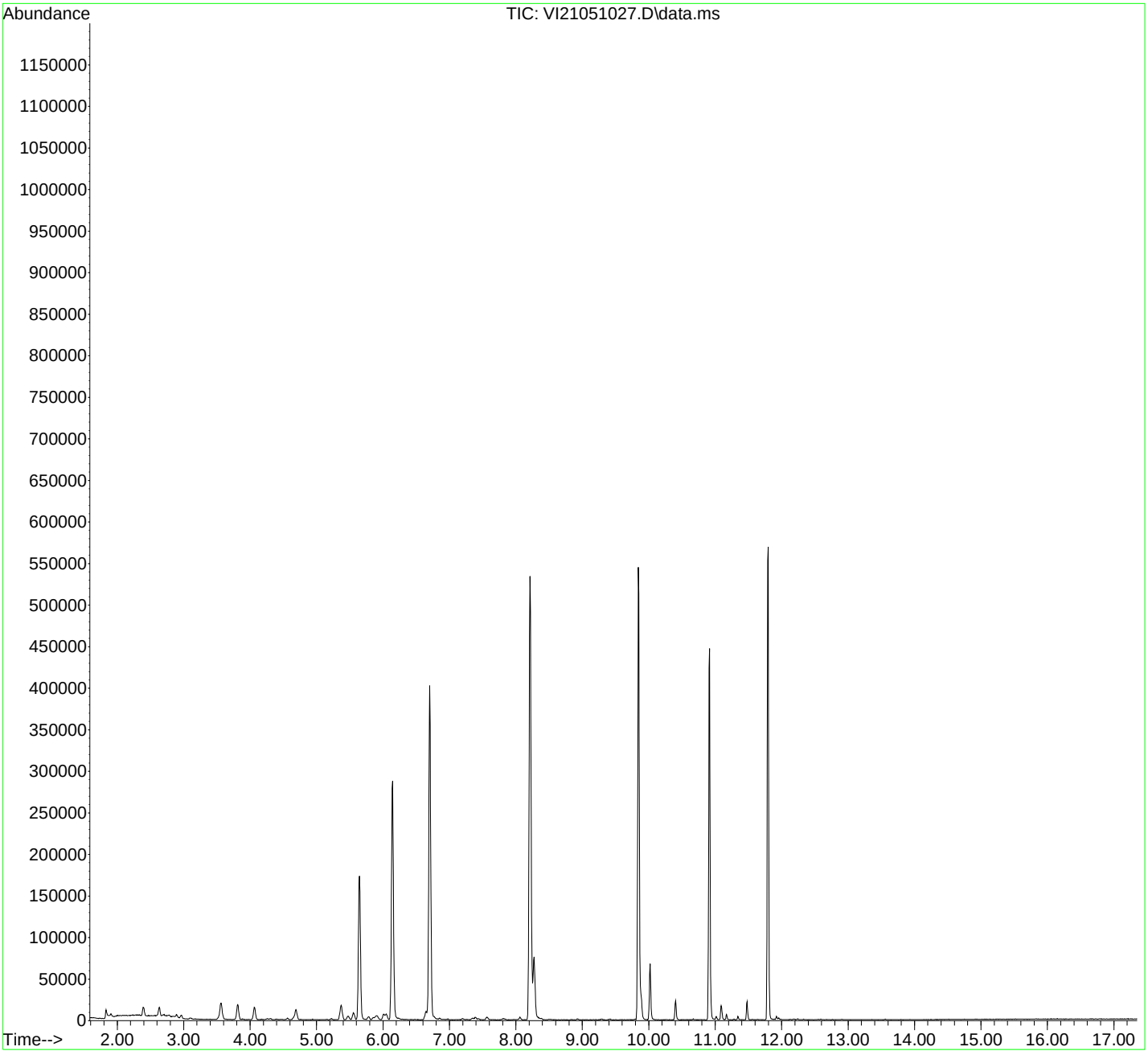
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051027.D
Acq On : 11 May 2021 3:15 am
Operator : PS
Sample : 1E10062-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:16:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE 05/11/21 TNL
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G~~.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	236461	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	377591	49.28	ug/L	-0.01
3) 4-Bromofluorobenzene (...	10.913	174	123433	53.86	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	427891	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	321775	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	225392	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	1353670m	225.35	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2127698m	222.13	ug/L	
6) TPHg (C6-C10)	9.890	TIC	1832482m	223.79	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	2433523m	220.43	ug/L	

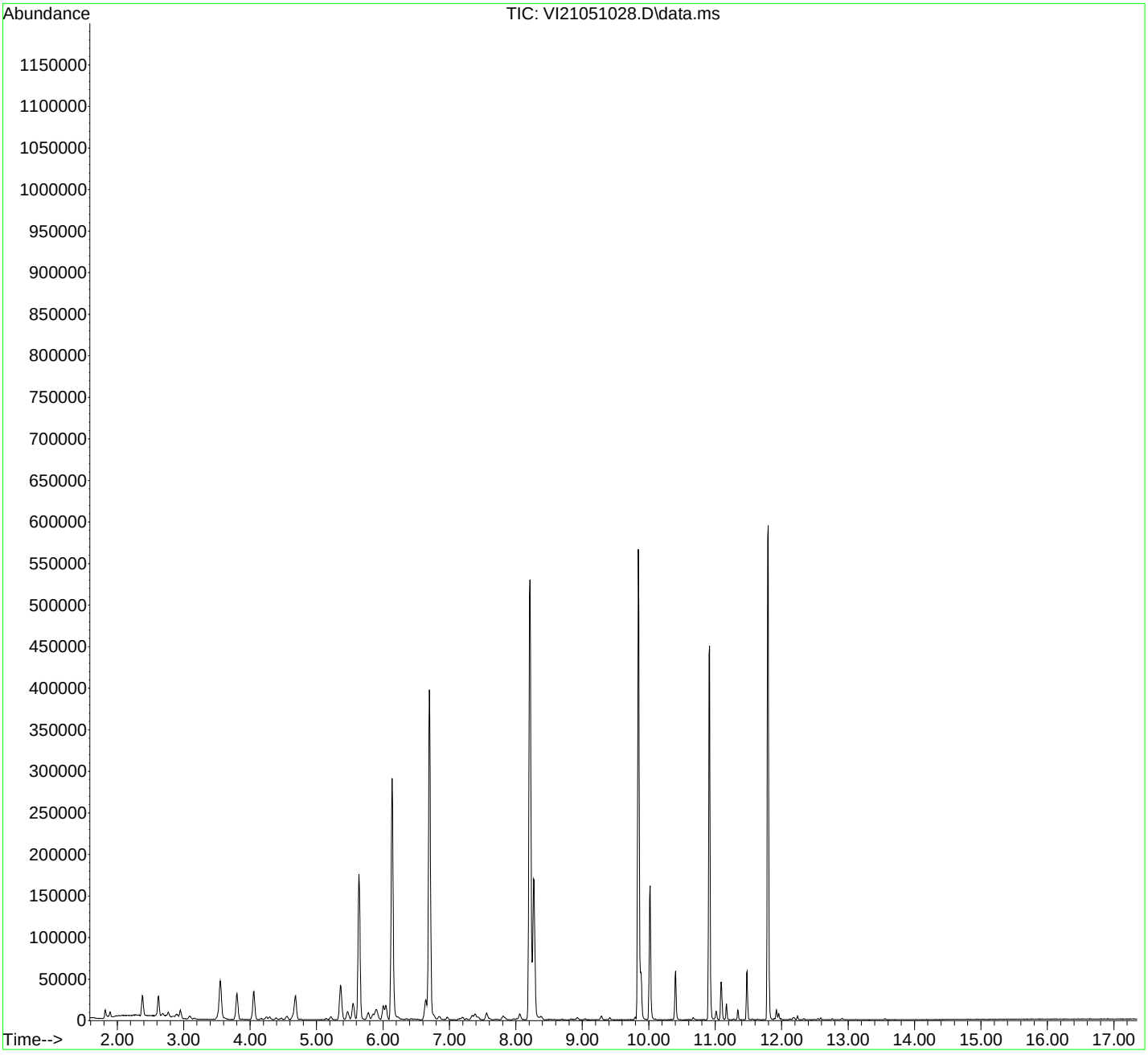
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

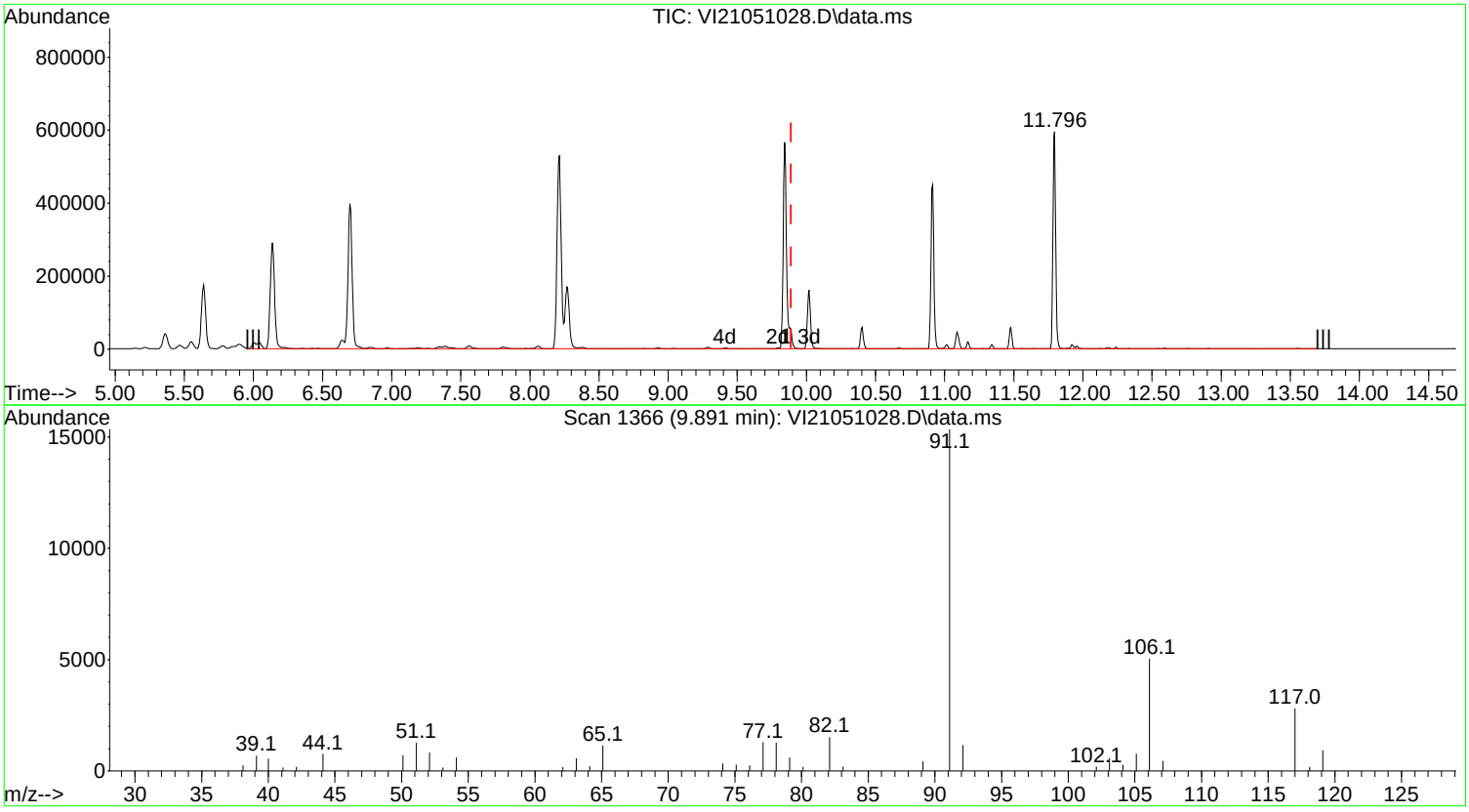


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051028.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 225.35 ug/L m

response 1353670

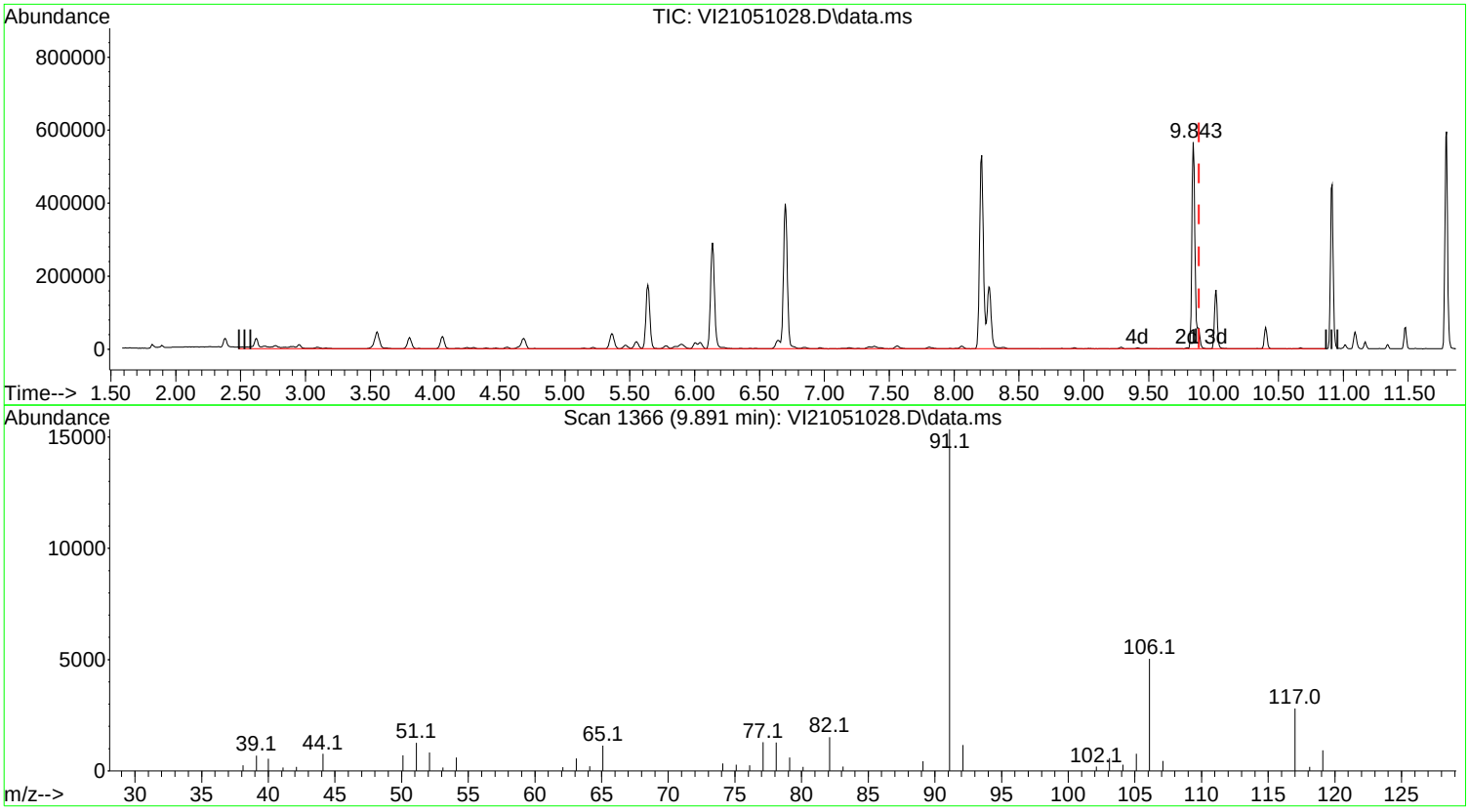
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051028.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 222.13 ug/L m

response 2127698

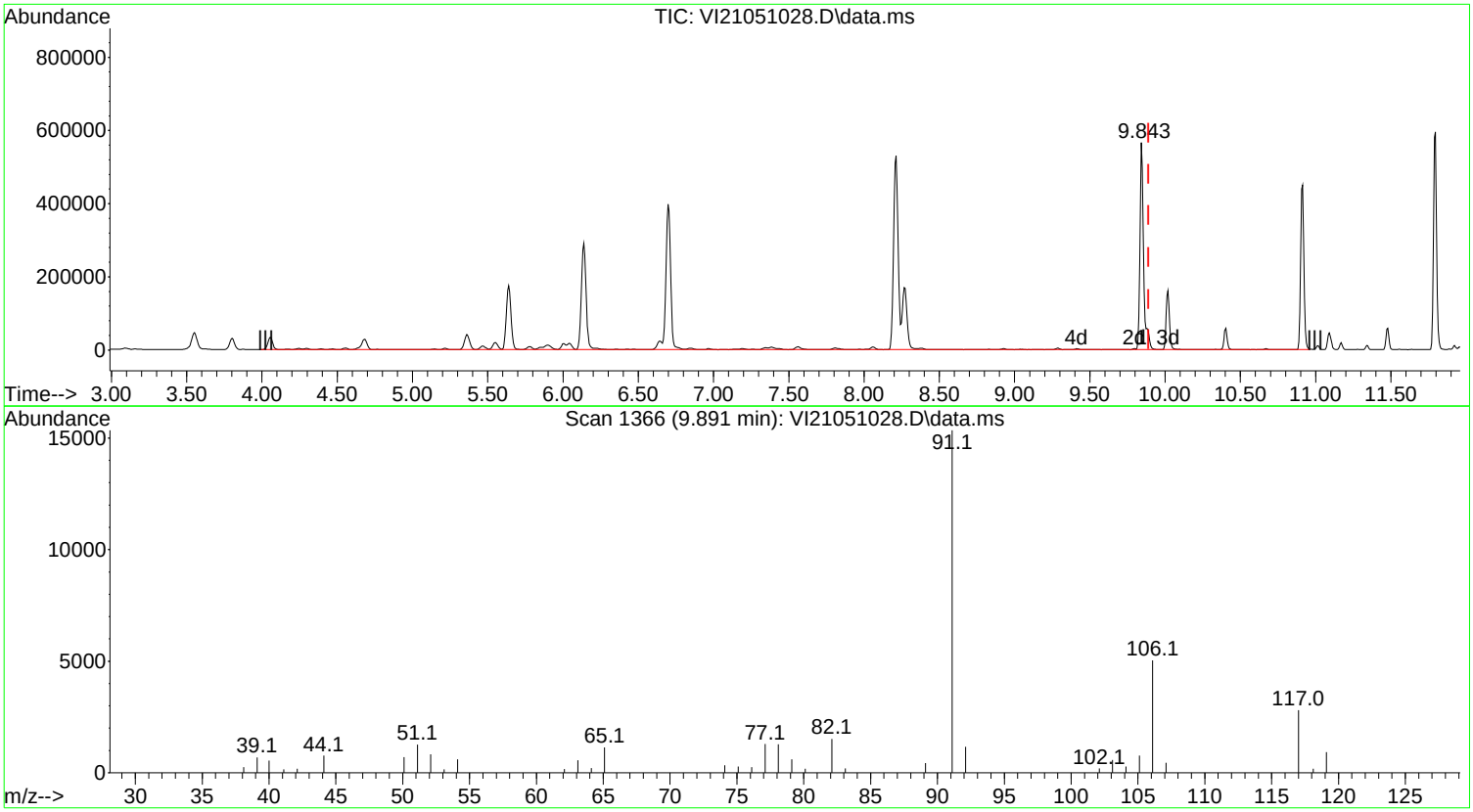
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051028.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 223.79 ug/L m

response 1832482

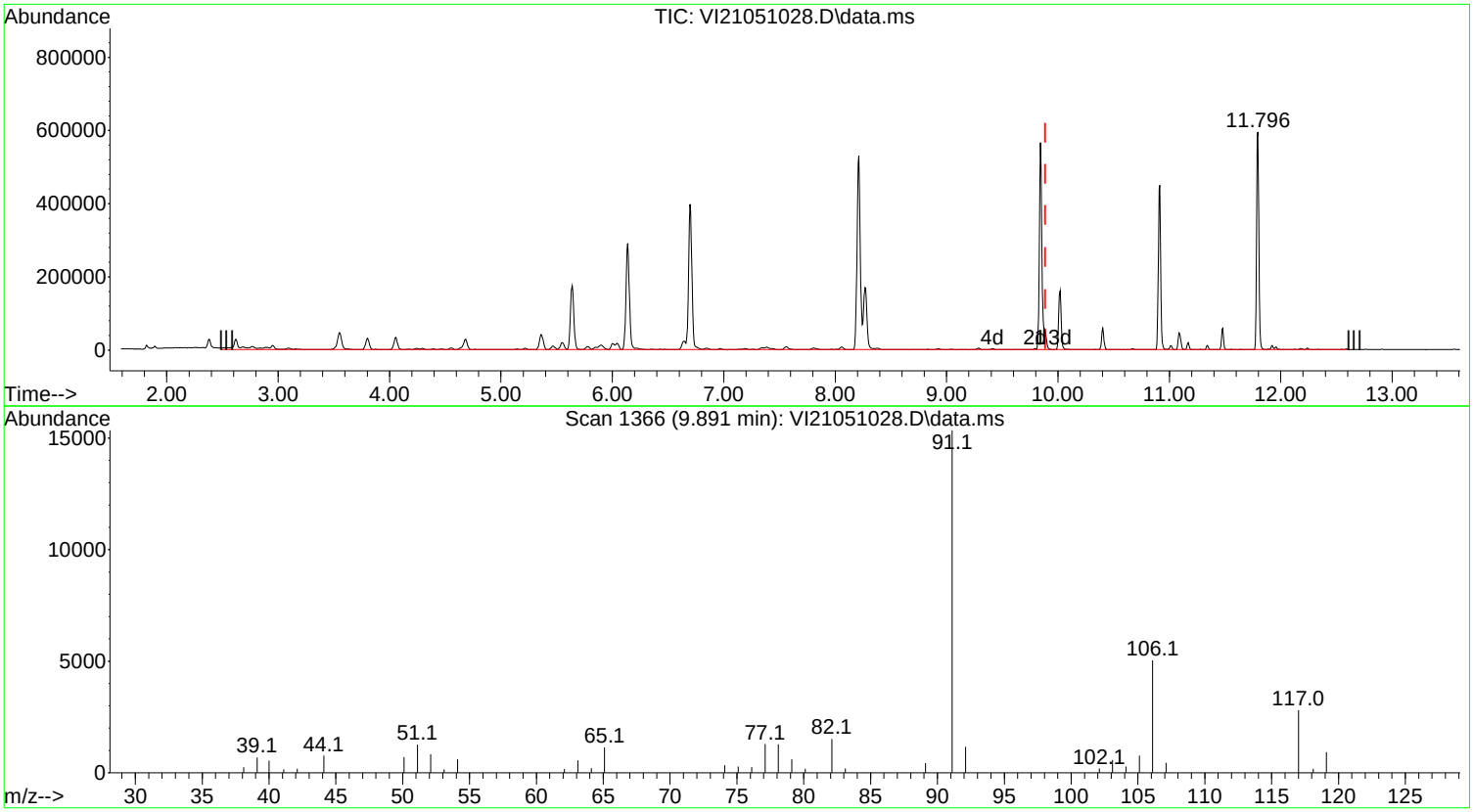
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051028.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 220.43 ug/L m

response 2433523

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods~~\VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	236461	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	377591	49.28	ug/L	-0.01
3) 4-Bromofluorobenzene (...	10.913	174	123433	53.86	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	427891	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	321775	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	225392	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	1353670m	225.35	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2127698m	222.13	ug/L	
6) TPHg (C6-C10)	9.890	TIC	1832482m	223.79	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	2433523m	220.43	ug/L	

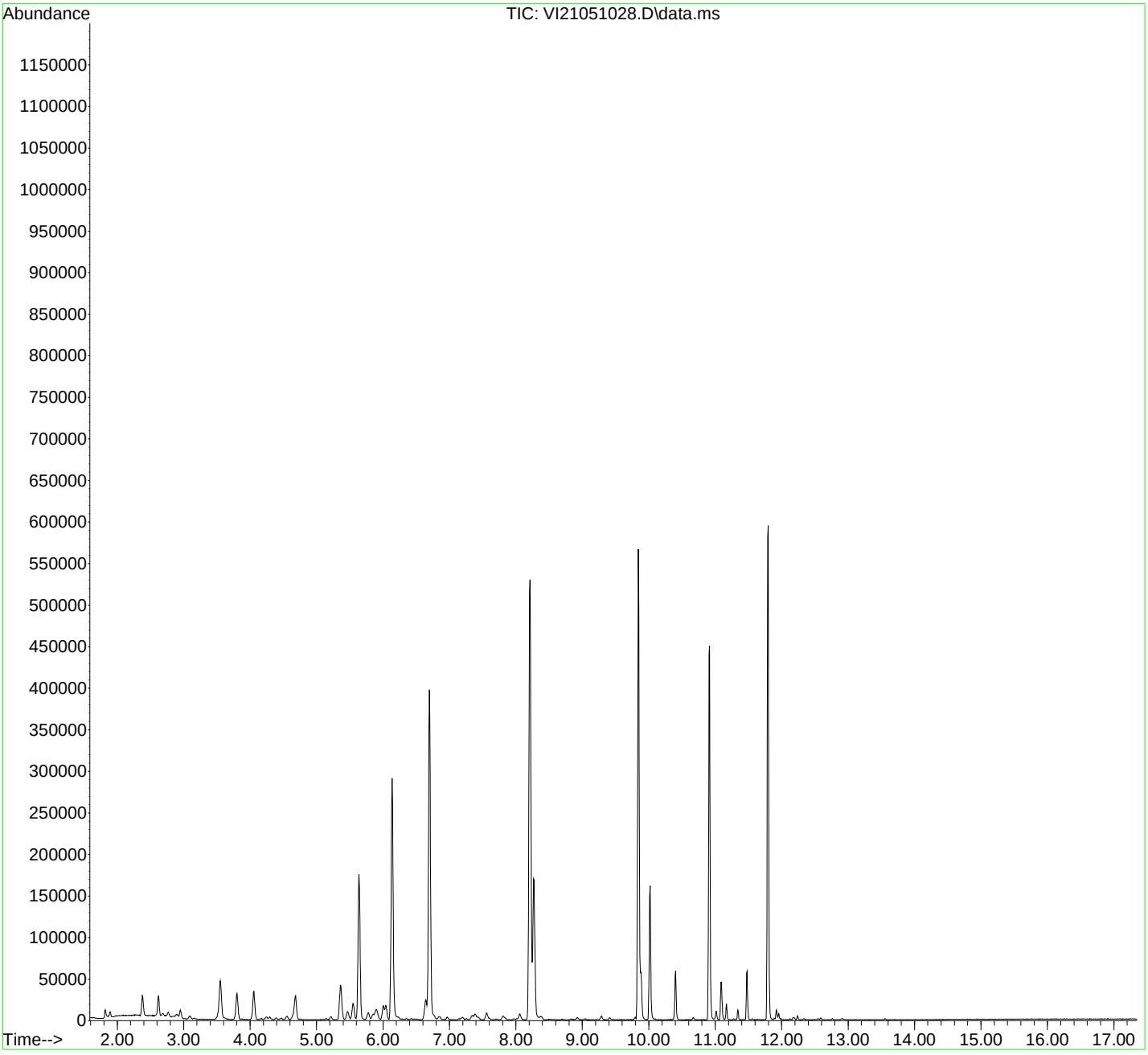
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051028.D
Acq On : 11 May 2021 3:42 am
Operator : PS
Sample : 1E10062-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:19:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	246791	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	393830	49.24	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	129643	54.20	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	445293	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	336024	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	240673	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2950384m	440.39	ug/L	
5) TPHg (C5-C9)	9.890	TIC	4090554m	436.22	ug/L	
6) TPHg (C6-C10)	9.890	TIC	3509662m	439.47	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	4737900m	427.82	ug/L	

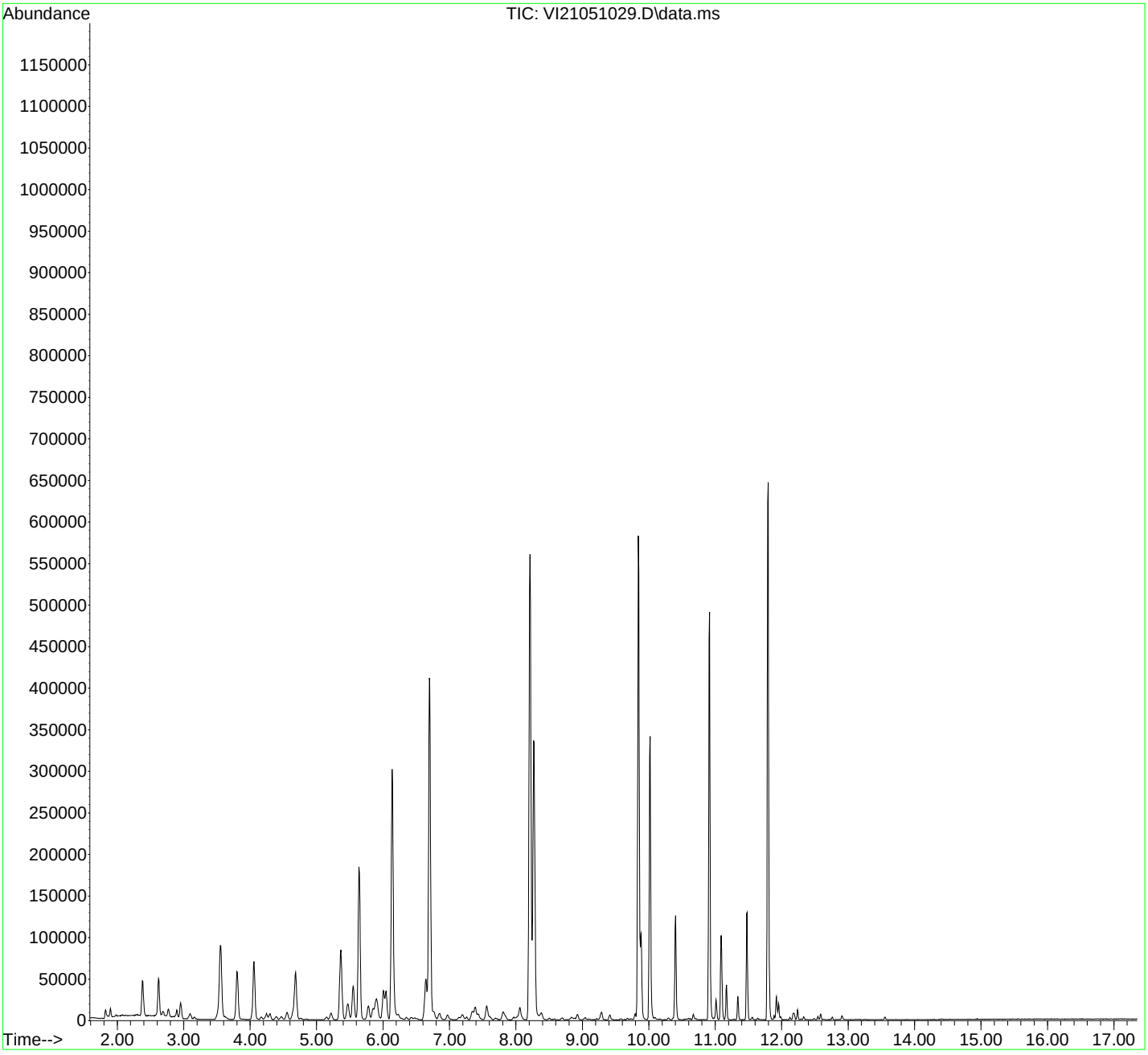
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

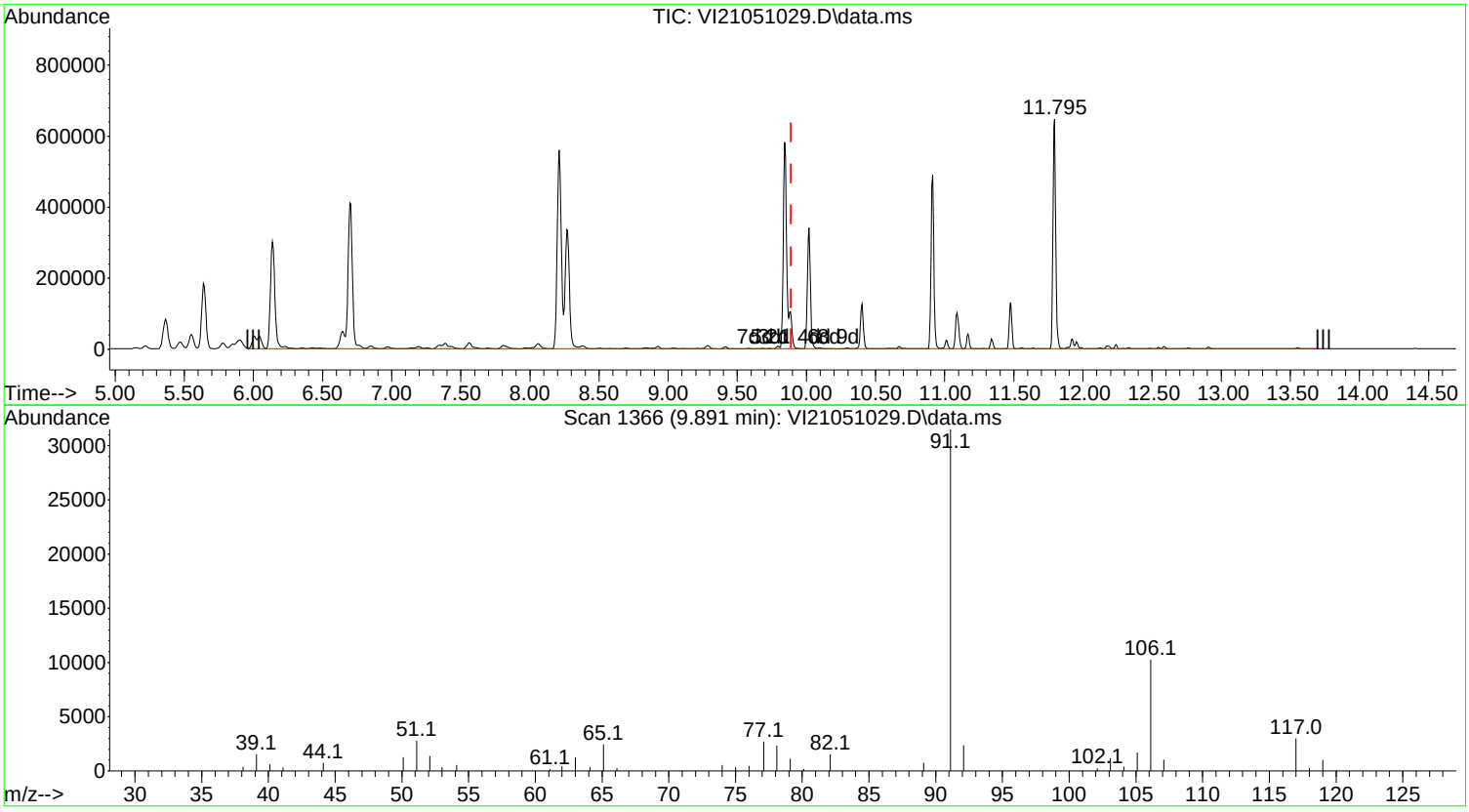


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051029.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 440.39 ug/L m

response 2950384

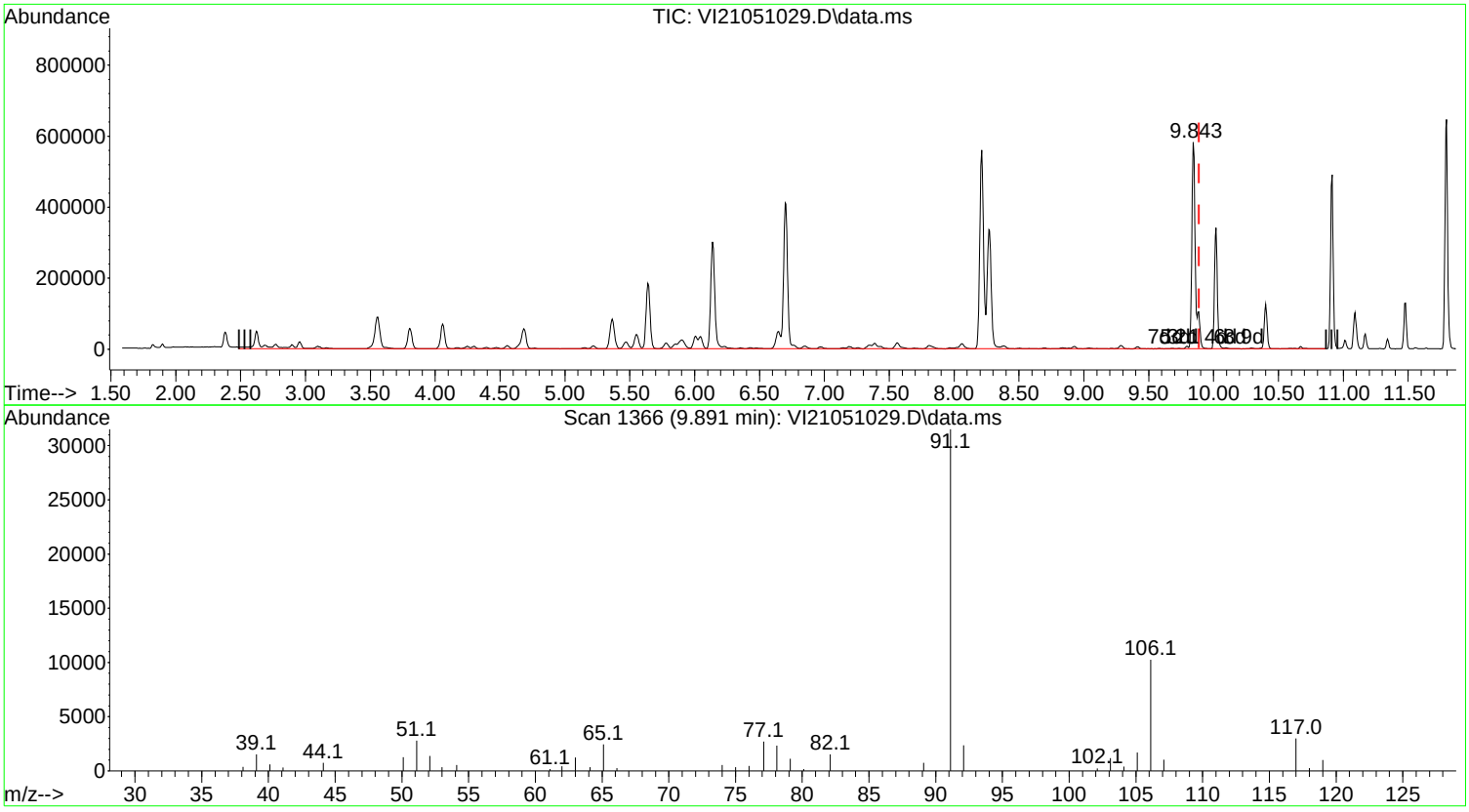
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051029.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 436.22 ug/L m

response 4090554

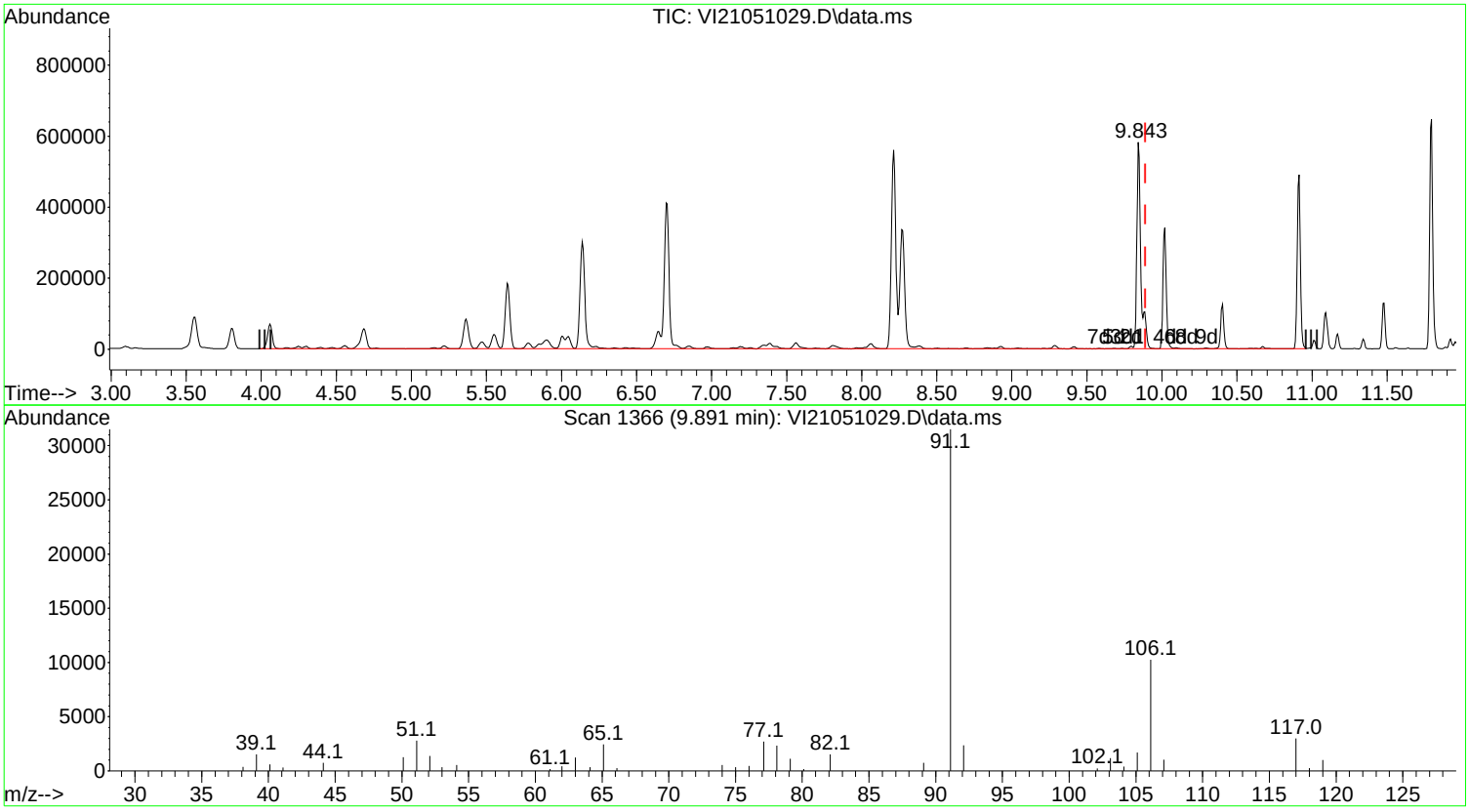
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051029.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 439.47 ug/L m

response 3509662

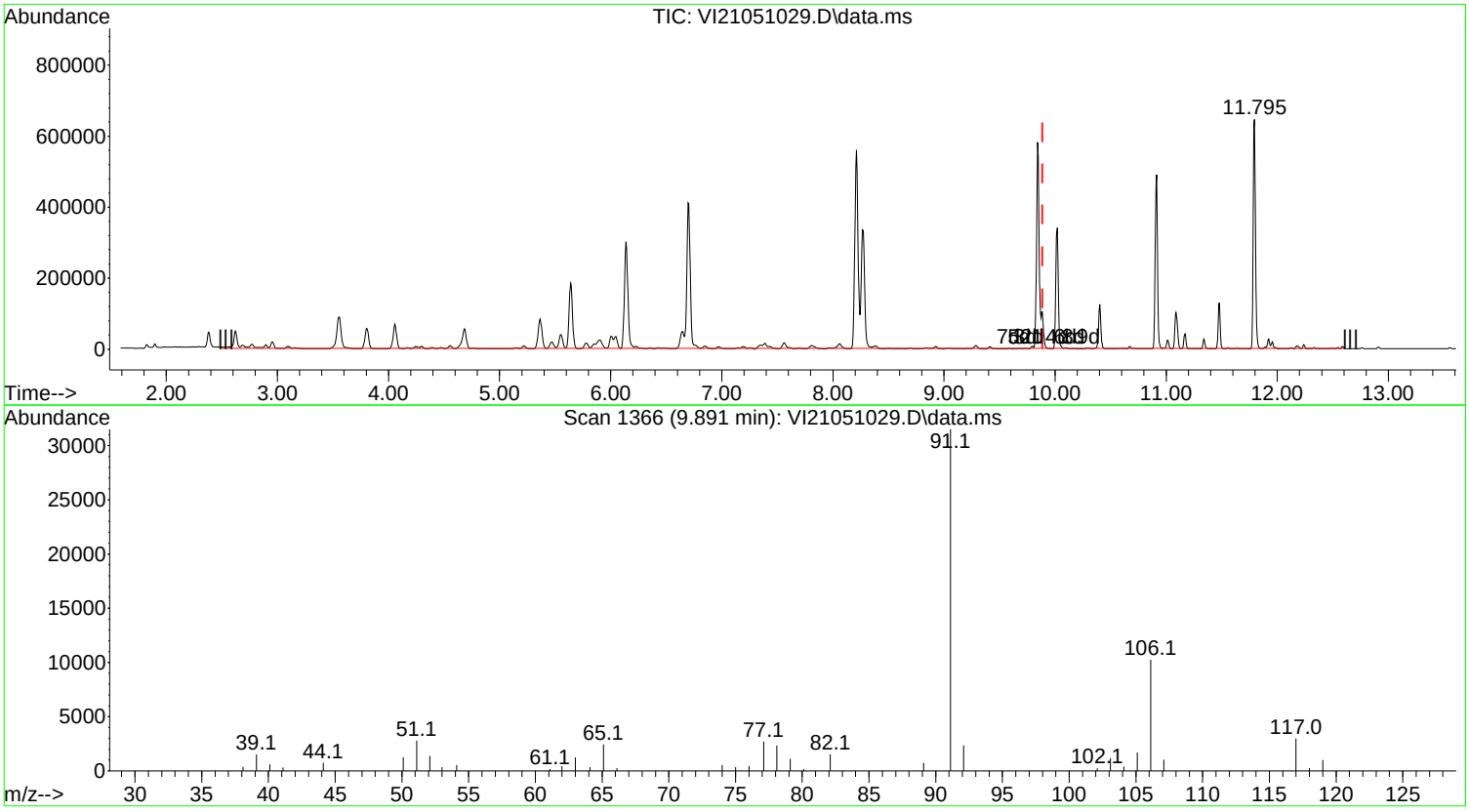
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051029.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 427.82 ug/L m

response 4737900

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	246791	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	393830	49.24	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	129643	54.20	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	445293	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	336024	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	240673	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2950384m	440.39	ug/L	
5) TPHg (C5-C9)	9.890	TIC	4090554m	436.22	ug/L	
6) TPHg (C6-C10)	9.890	TIC	3509662m	439.47	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	4737900m	427.82	ug/L	

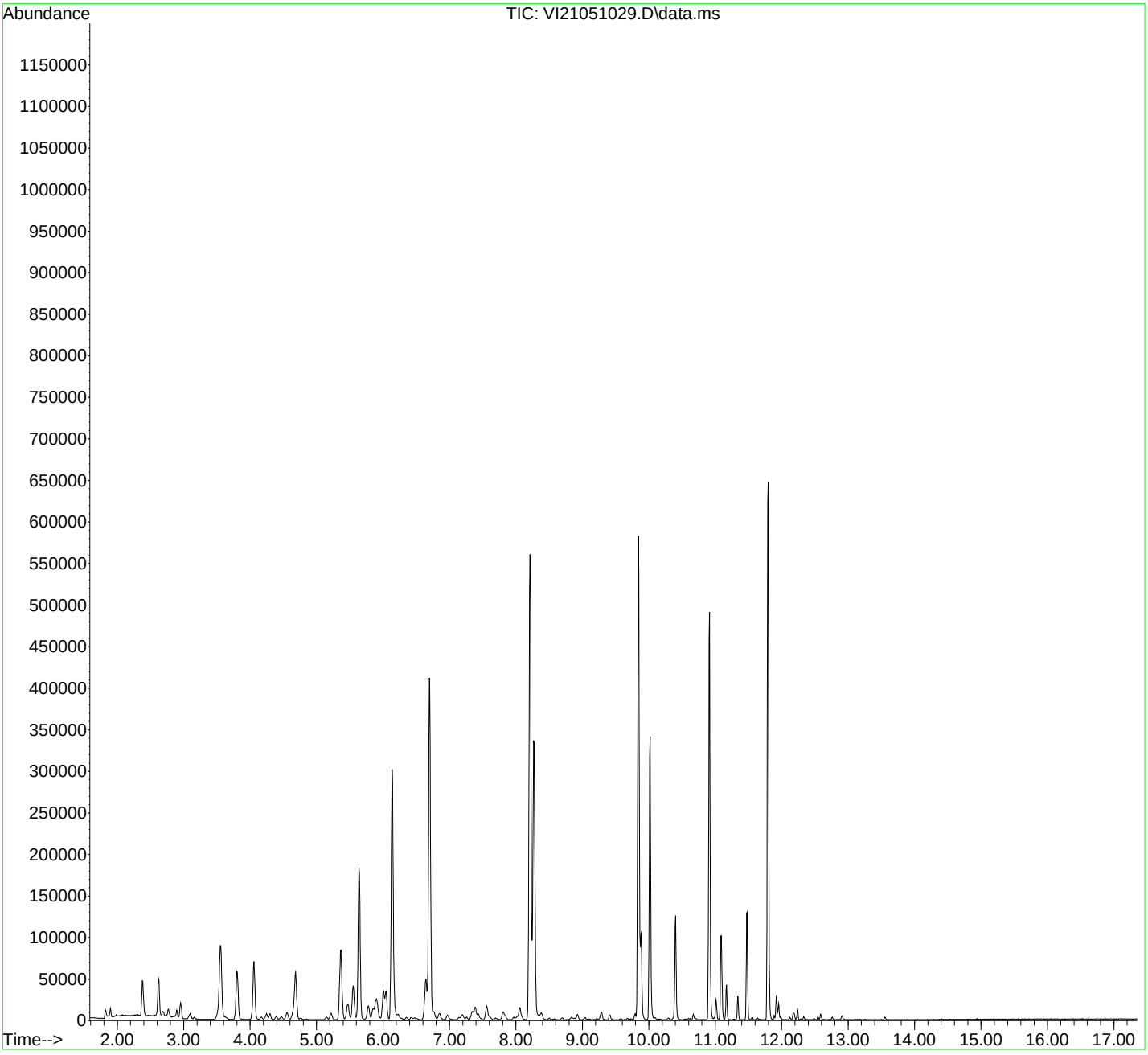
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051029.D
Acq On : 11 May 2021 4:09 am
Operator : PS
Sample : 1E10062-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:25 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	242539	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	386313	49.15	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	130840	55.66	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	440539	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	333228	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	243616	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	6537197m	956.76	ug/L	
5) TPHg (C5-C9)	9.890	TIC	8420645m	950.60	ug/L	
6) TPHg (C6-C10)	9.890	TIC	7132094m	946.12	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	9885878m	929.48	ug/L	

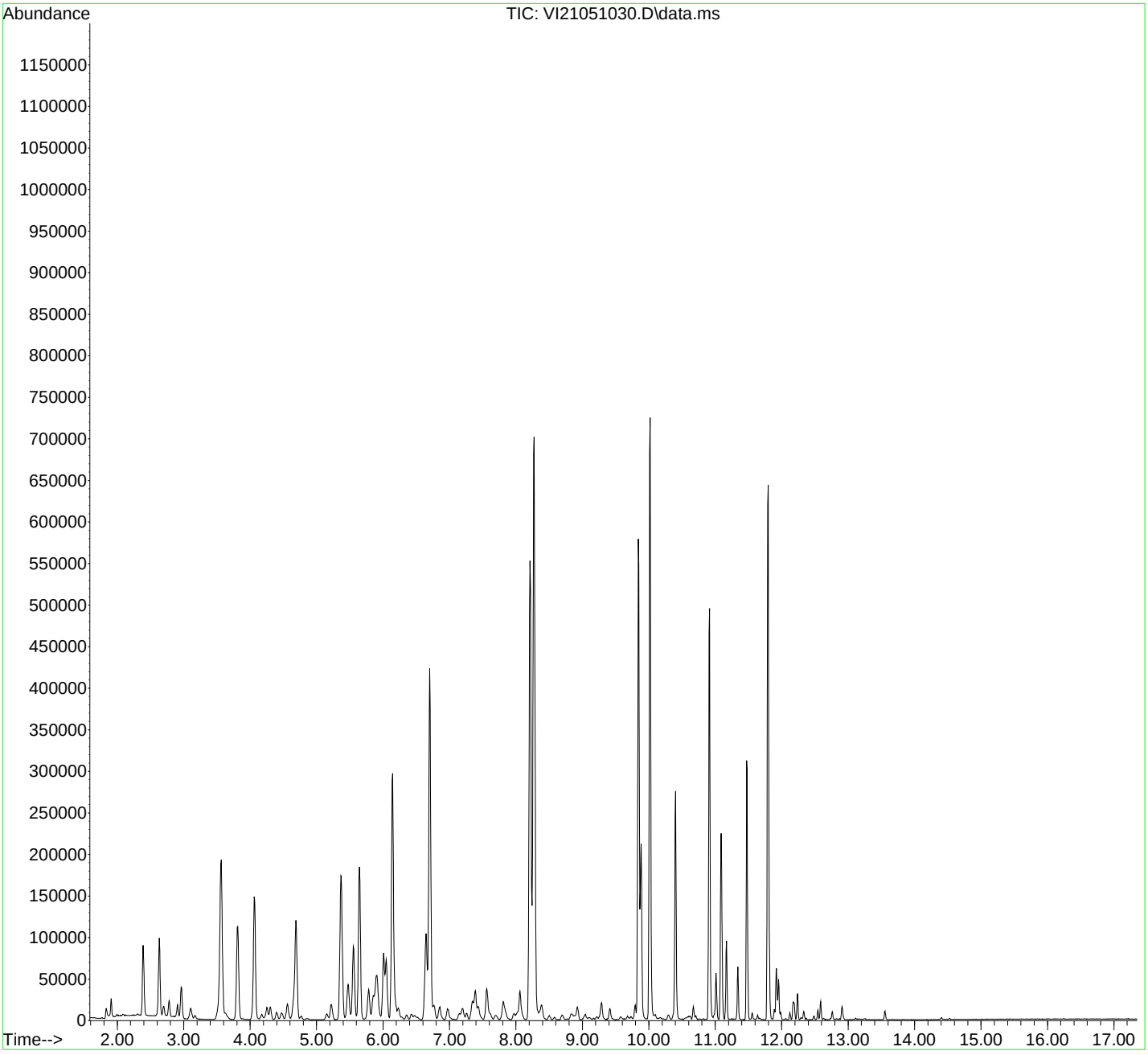
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

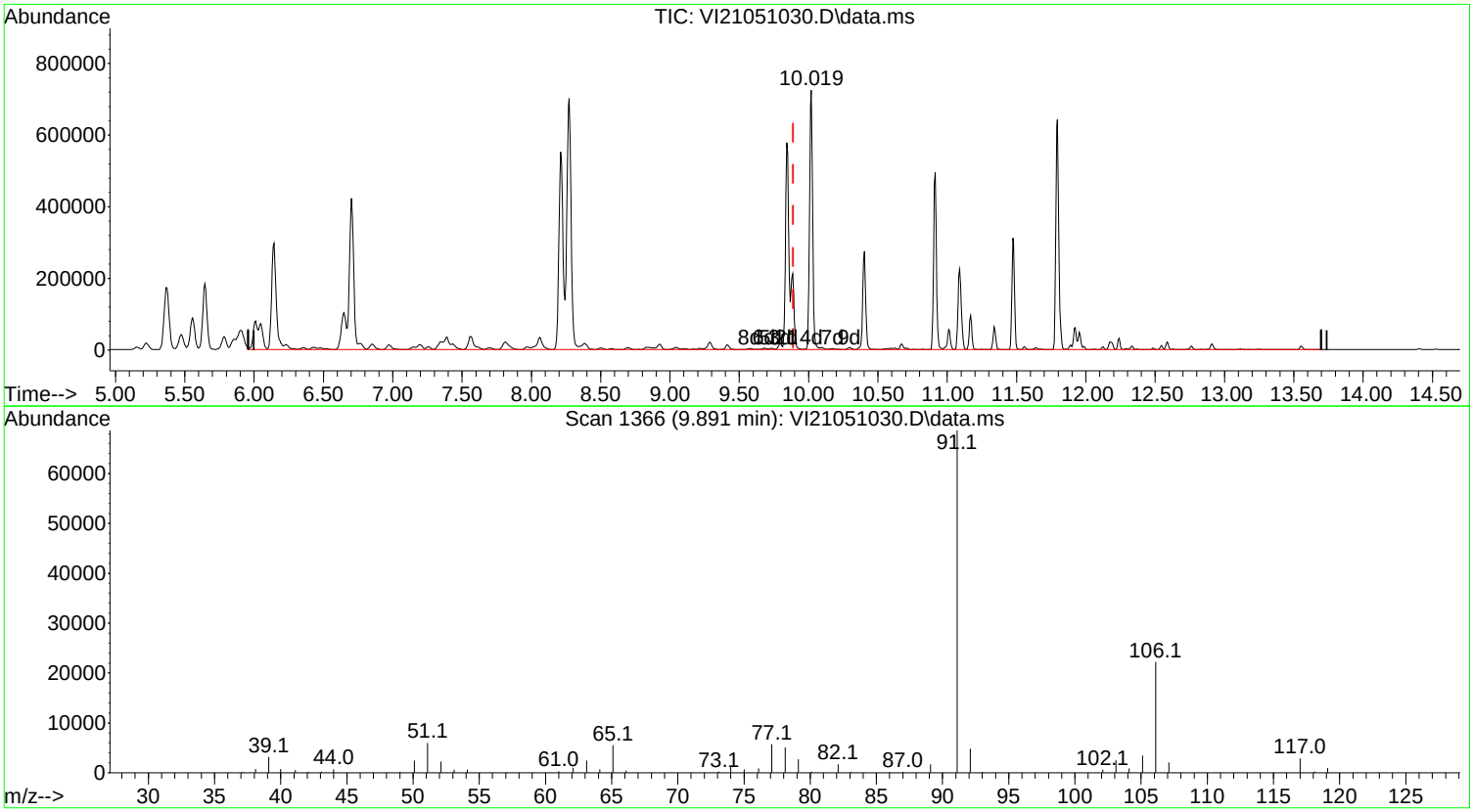


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051030.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 956.76 ug/L m

response 6537197

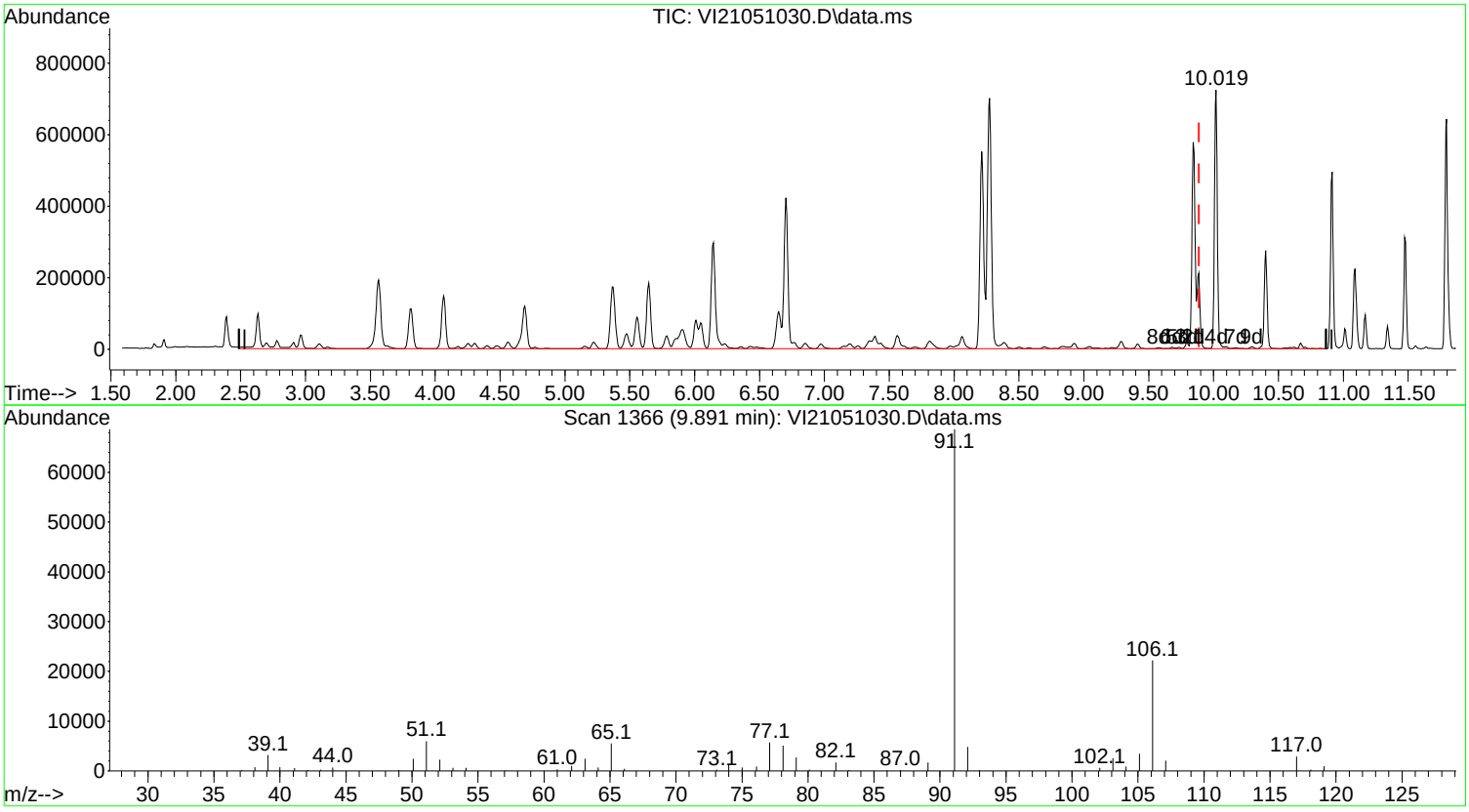
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051030.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 950.60 ug/L m

response 8420645

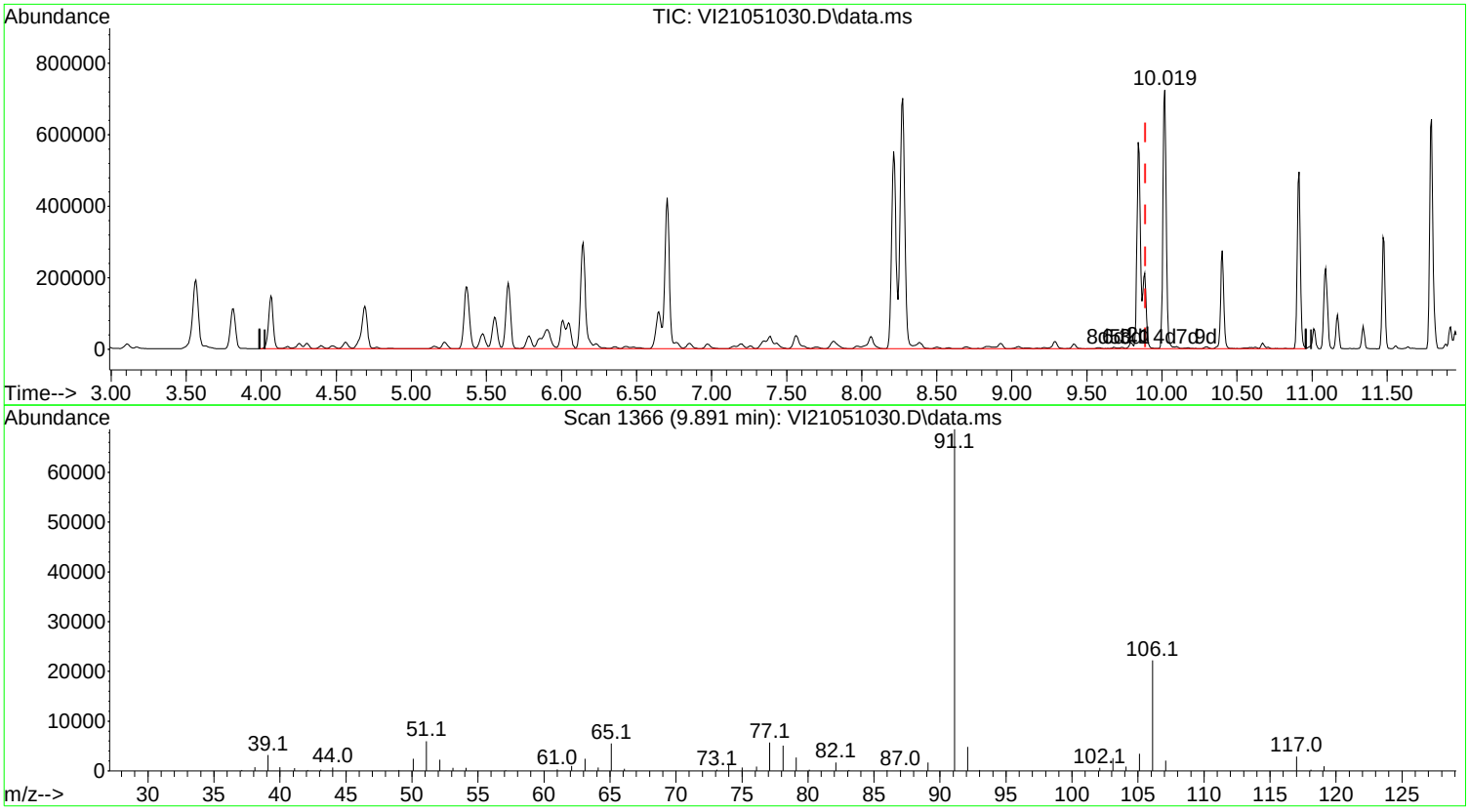
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051030.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 946.12 ug/L m

response 7132094

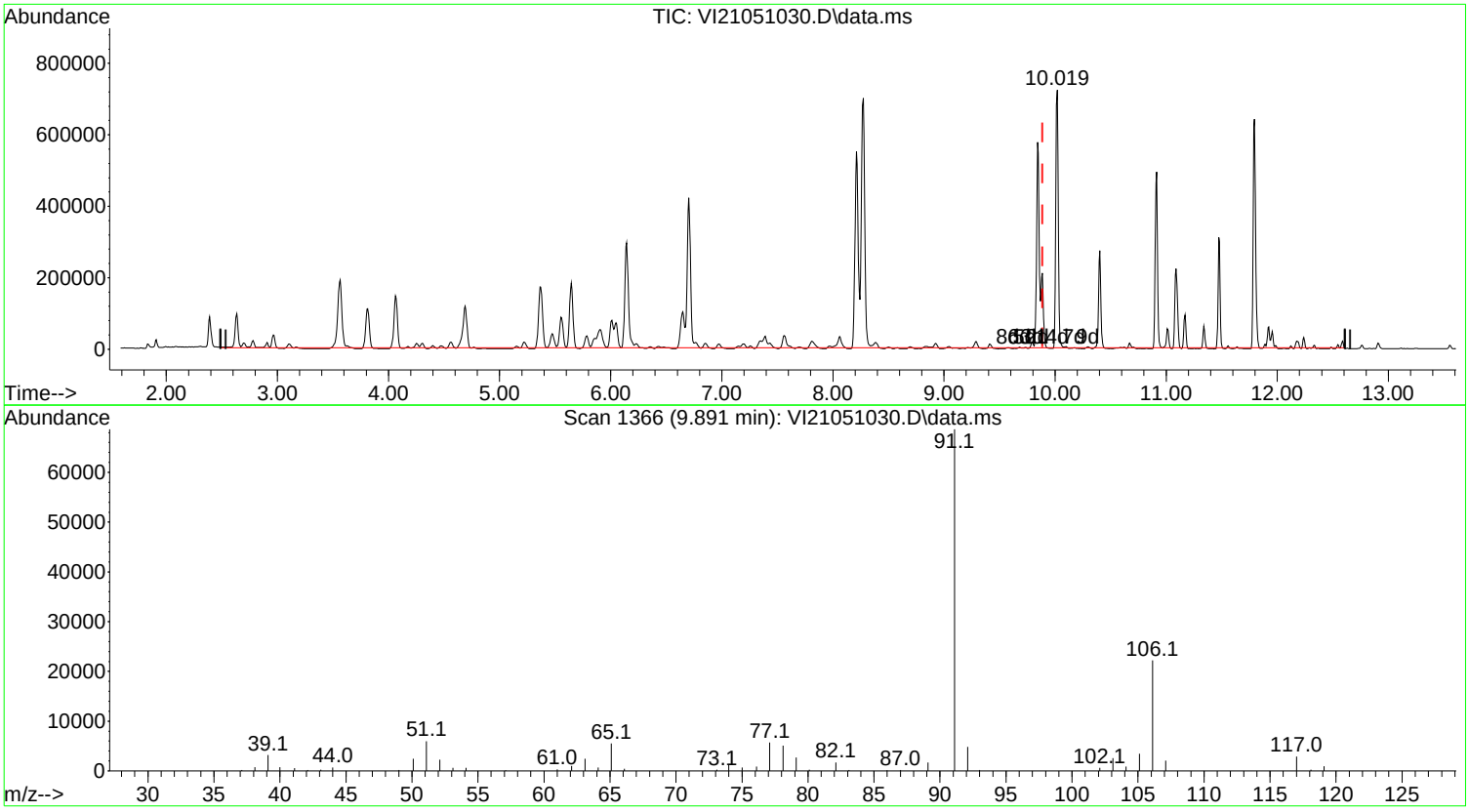
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051030.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 929.48 ug/L m

response 9885878

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	242539	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	386313	49.15	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	130840	55.66	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	440539	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	333228	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	243616	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	6537197m	956.76	ug/L	
5) TPHg (C5-C9)	9.890	TIC	8420645m	950.60	ug/L	
6) TPHg (C6-C10)	9.890	TIC	7132094m	946.12	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	9885878m	929.48	ug/L	

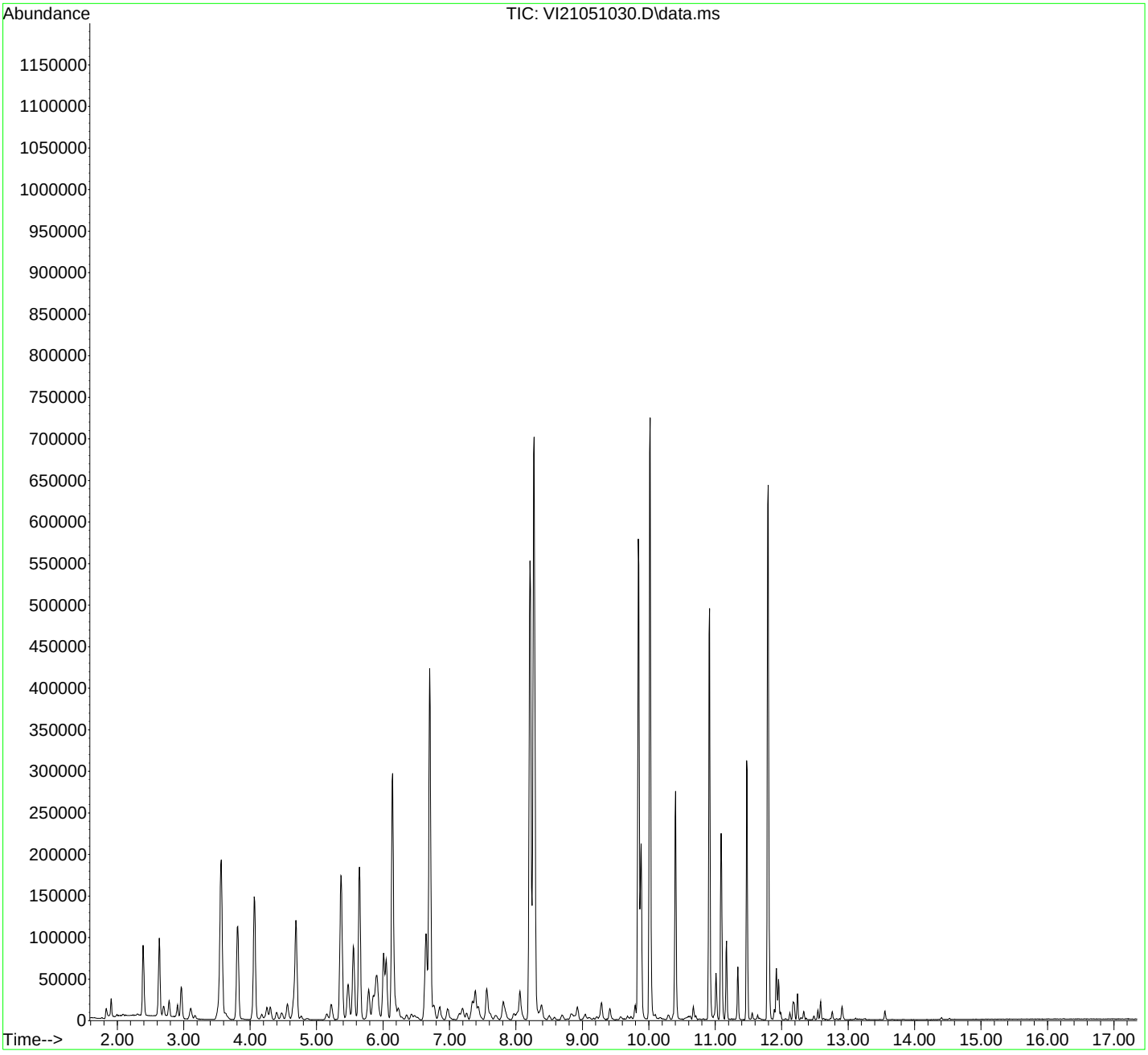
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051030.D
Acq On : 11 May 2021 4:36 am
Operator : PS
Sample : 1E10062-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	246161	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	391491	49.08	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	134015	56.17	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	452618	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	343788	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	253764	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	18383342m	2587.95	ug/L	
5) TPHg (C5-C9)	9.890	TIC	22304910m	2550.95	ug/L	
6) TPHg (C6-C10)	9.890	TIC	18839771m	2523.95	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	26640607m	2495.29	ug/L	

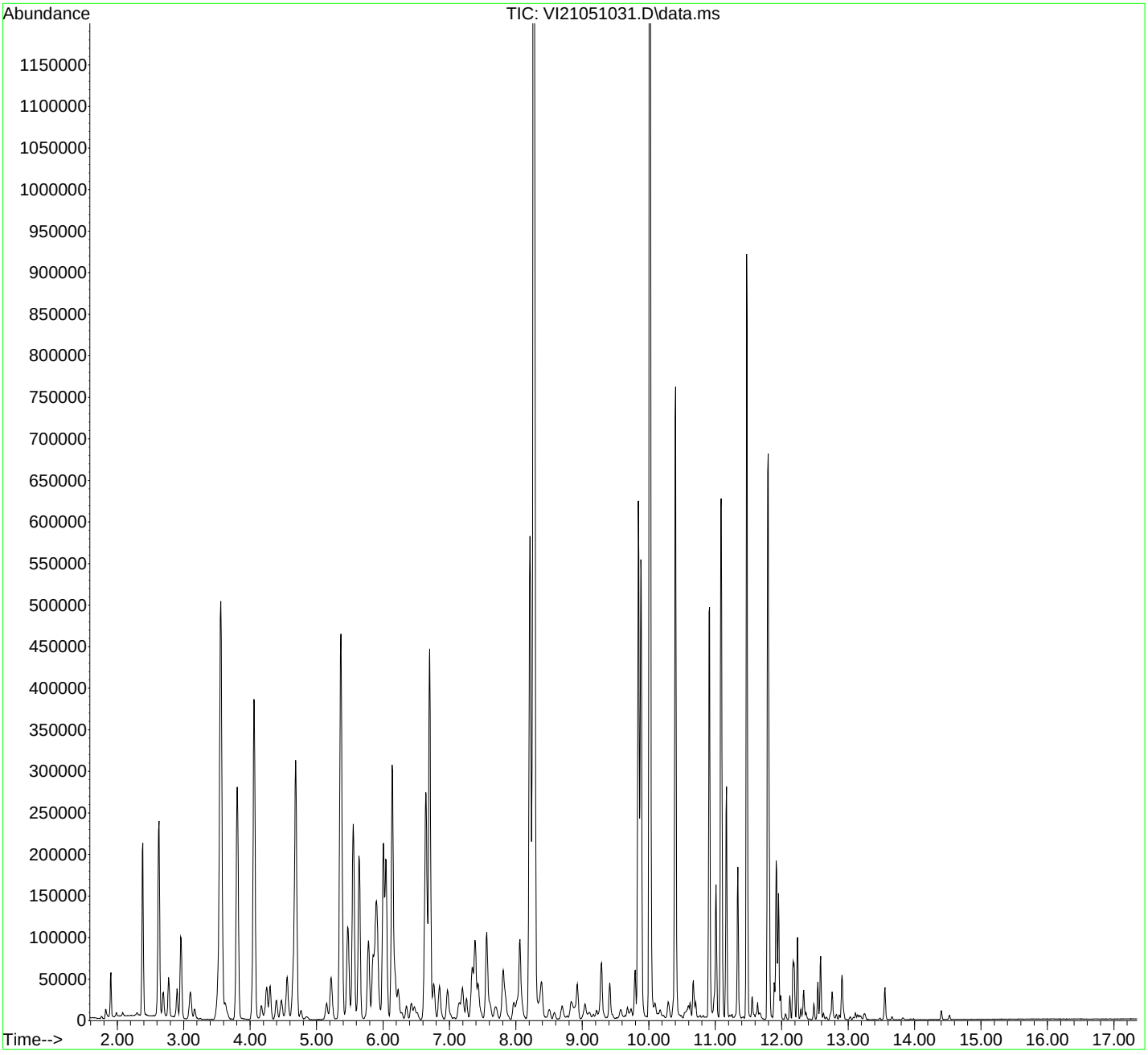
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

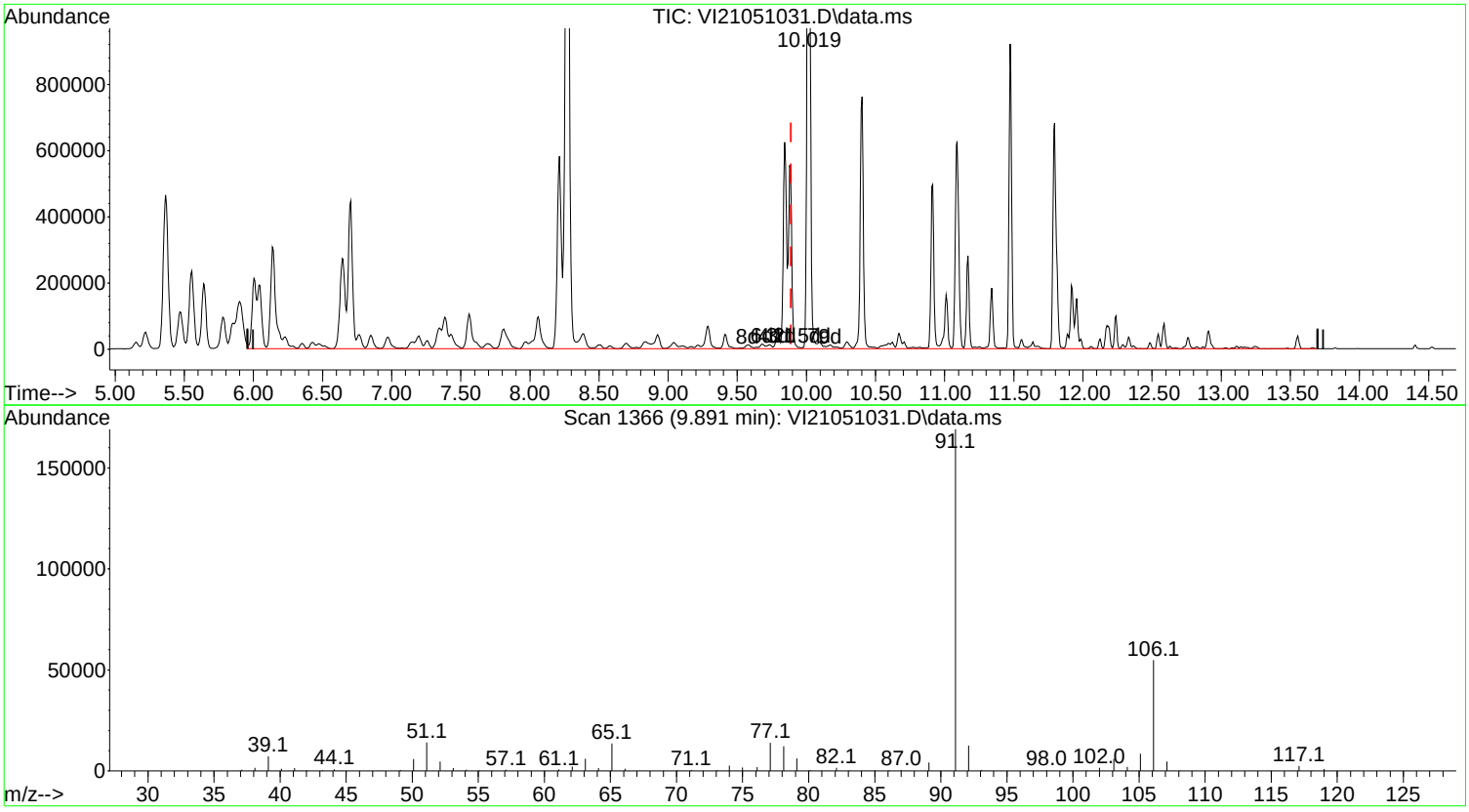


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051031.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 2587.95 ug/L m

response 18383342

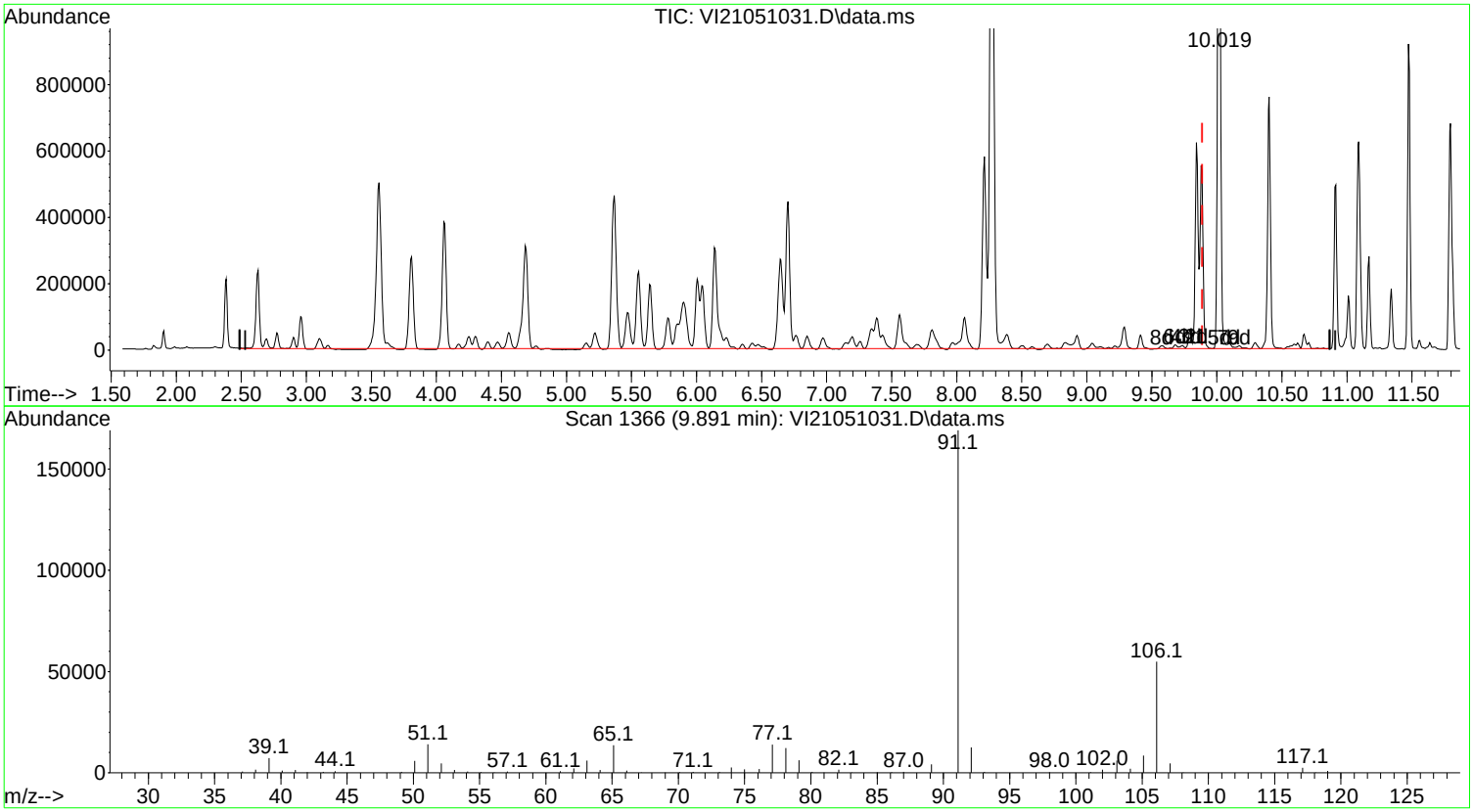
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051031.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 2550.95 ug/L m

response 22304910

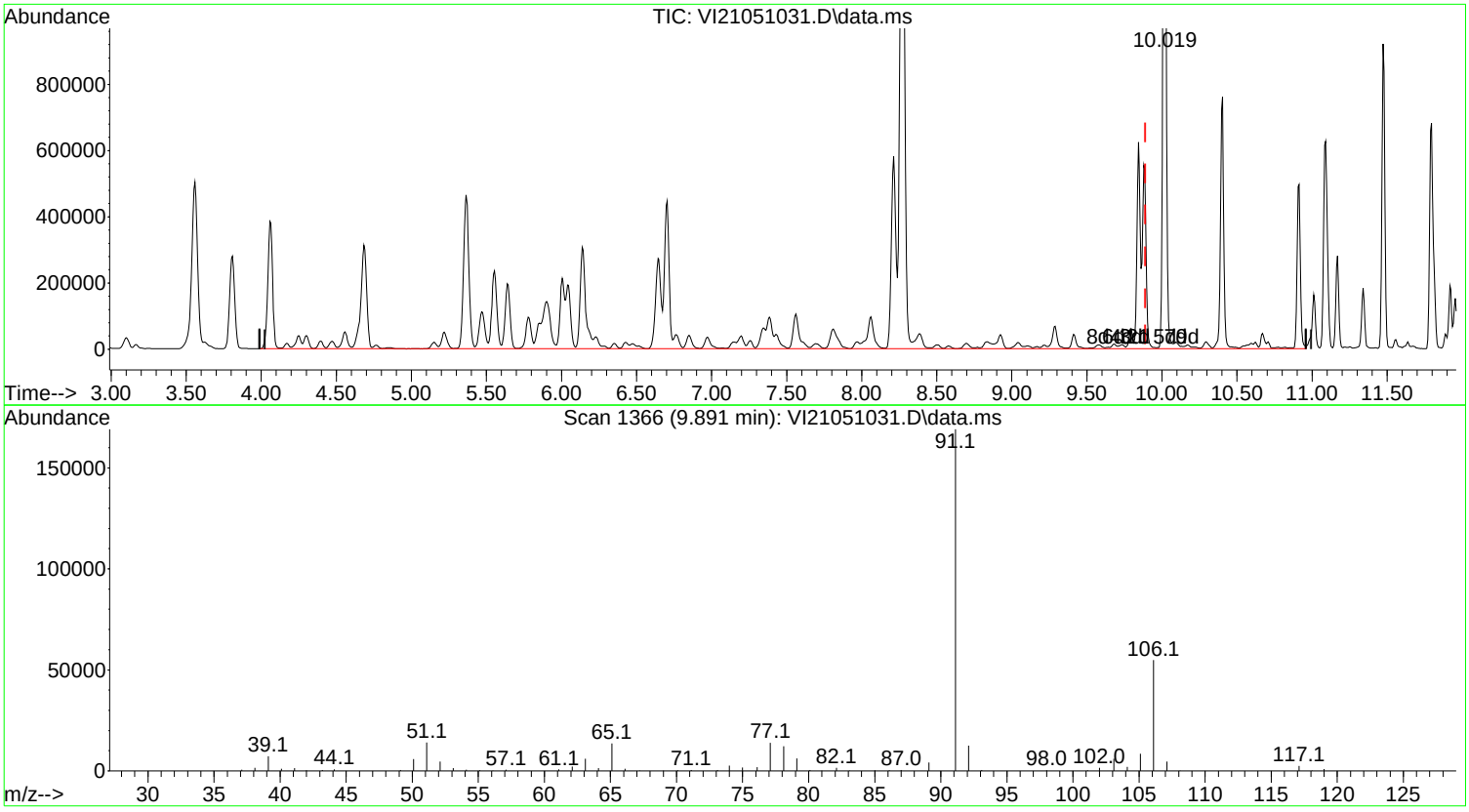
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051031.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 2523.95 ug/L m

response 18839771

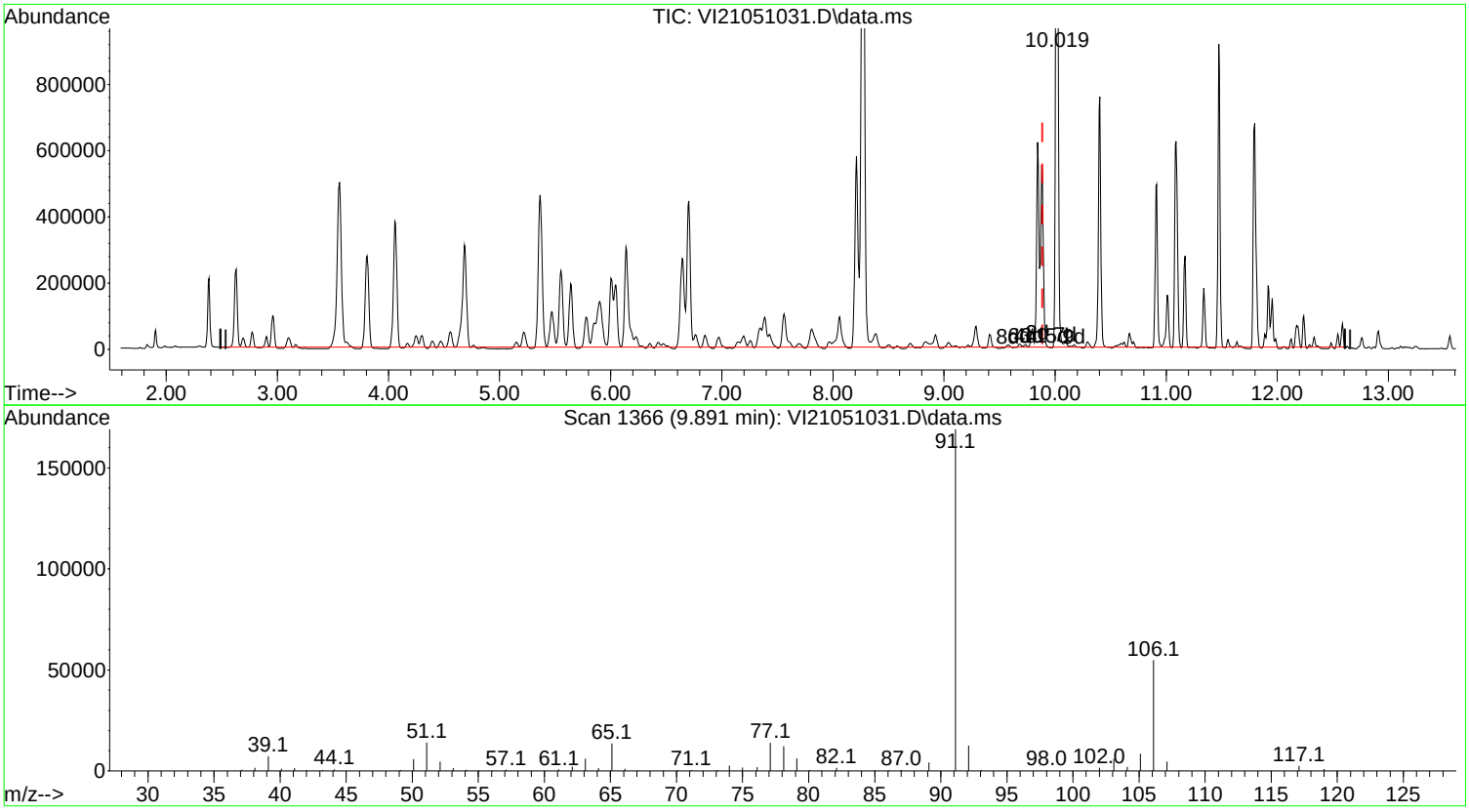
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051031.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 2495.29 ug/L m

response 26640607

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods~~\VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	246161	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	391491	49.08	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	134015	56.17	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	452618	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	343788	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	253764	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	18383342m	2587.95	ug/L	
5) TPHg (C5-C9)	9.890	TIC	22304910m	2550.95	ug/L	
6) TPHg (C6-C10)	9.890	TIC	18839771m	2523.95	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	26640607m	2495.29	ug/L	

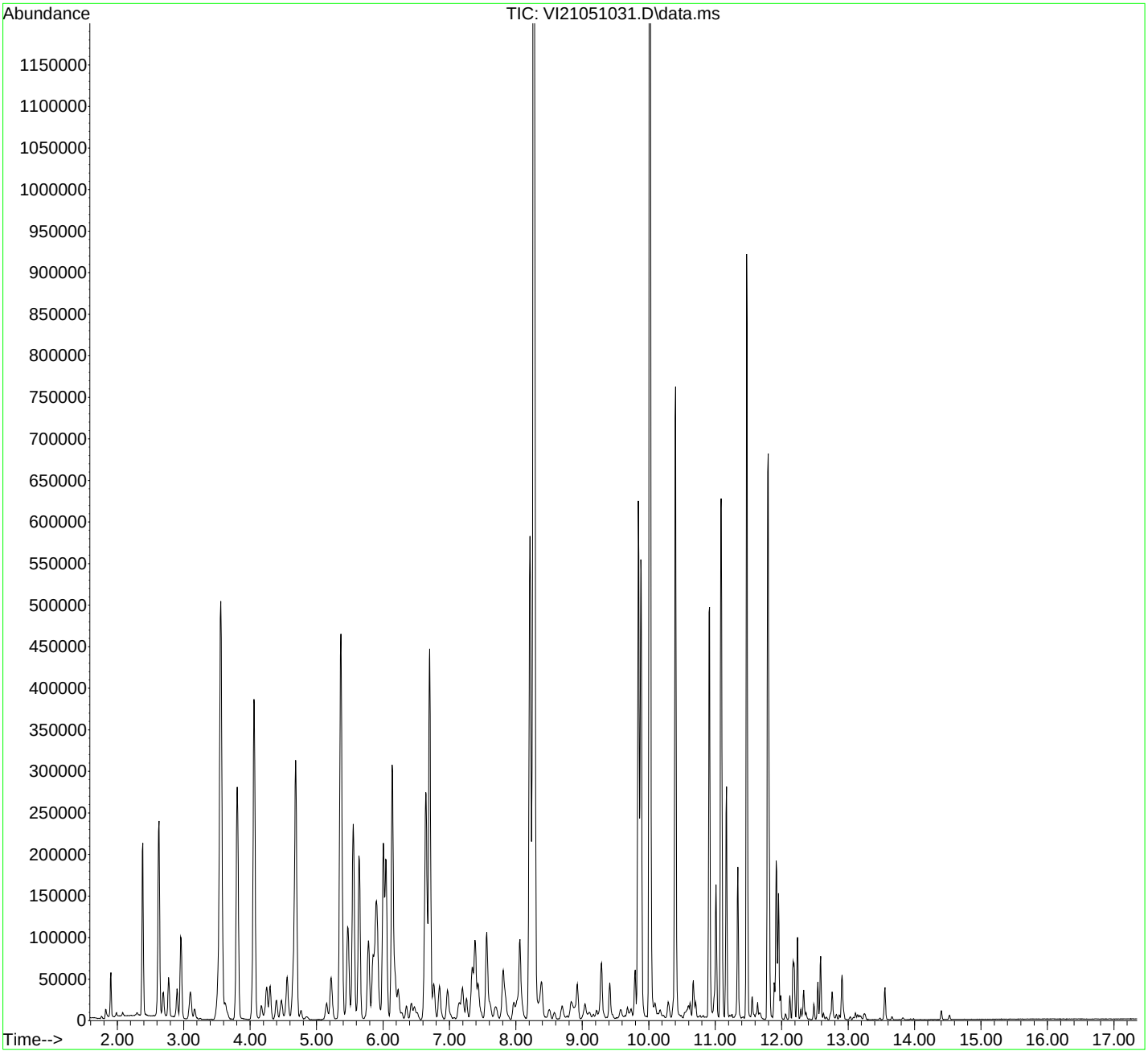
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051031.D
Acq On : 11 May 2021 5:04 am
Operator : PS
Sample : 1E10062-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:21:28 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	243930	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	389743	49.30	ug/L	-0.01
3) 4-Bromofluorobenzene (...	10.913	174	136447	57.71	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	447698	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	345020	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	263261	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	37606702m	5265.57	ug/L	
5) TPHg (C5-C9)	9.890	TIC	44166562m	5193.61	ug/L	
6) TPHg (C6-C10)	9.890	TIC	37688014m	5152.33	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	53293081m	5041.89	ug/L	

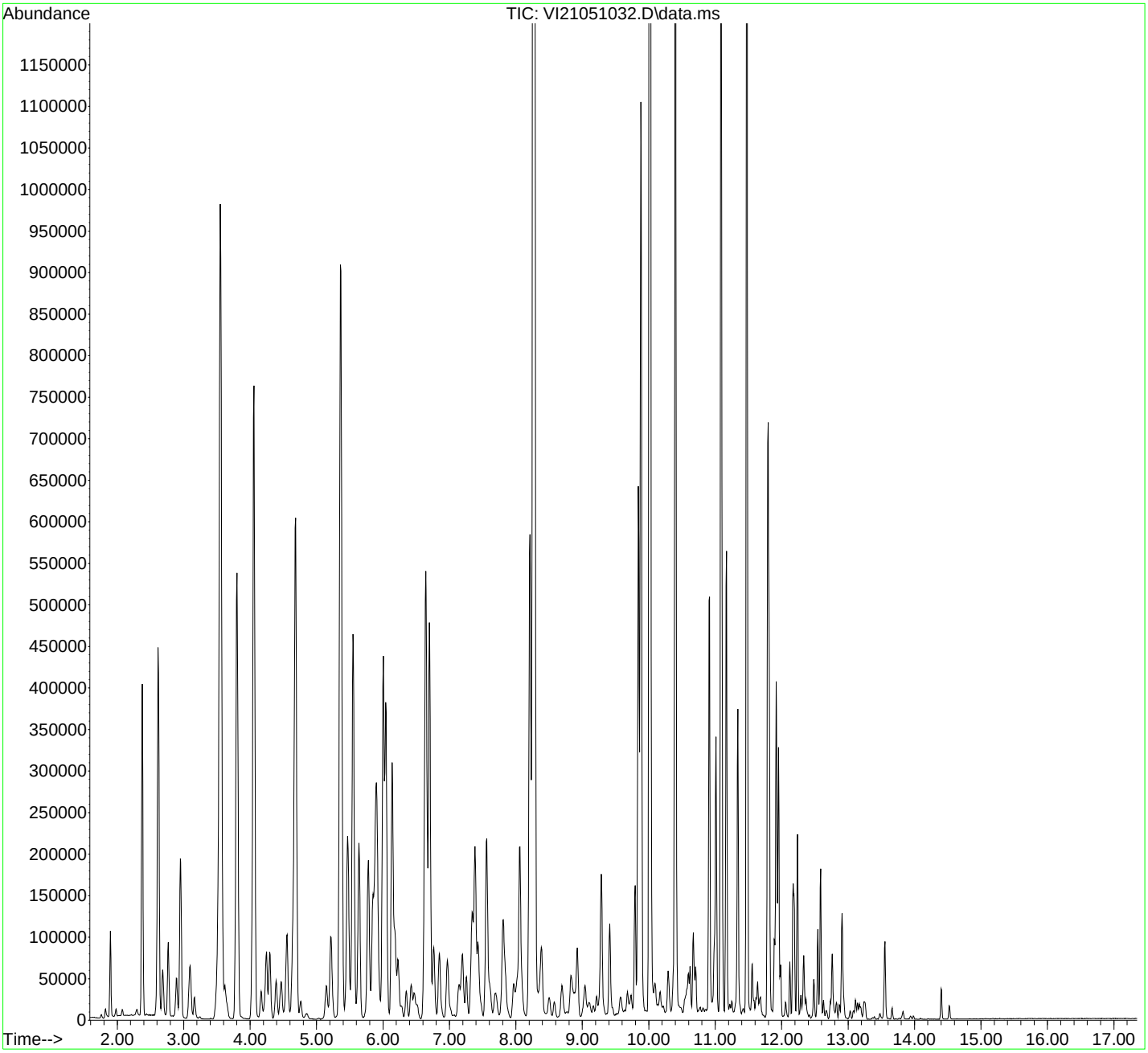
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

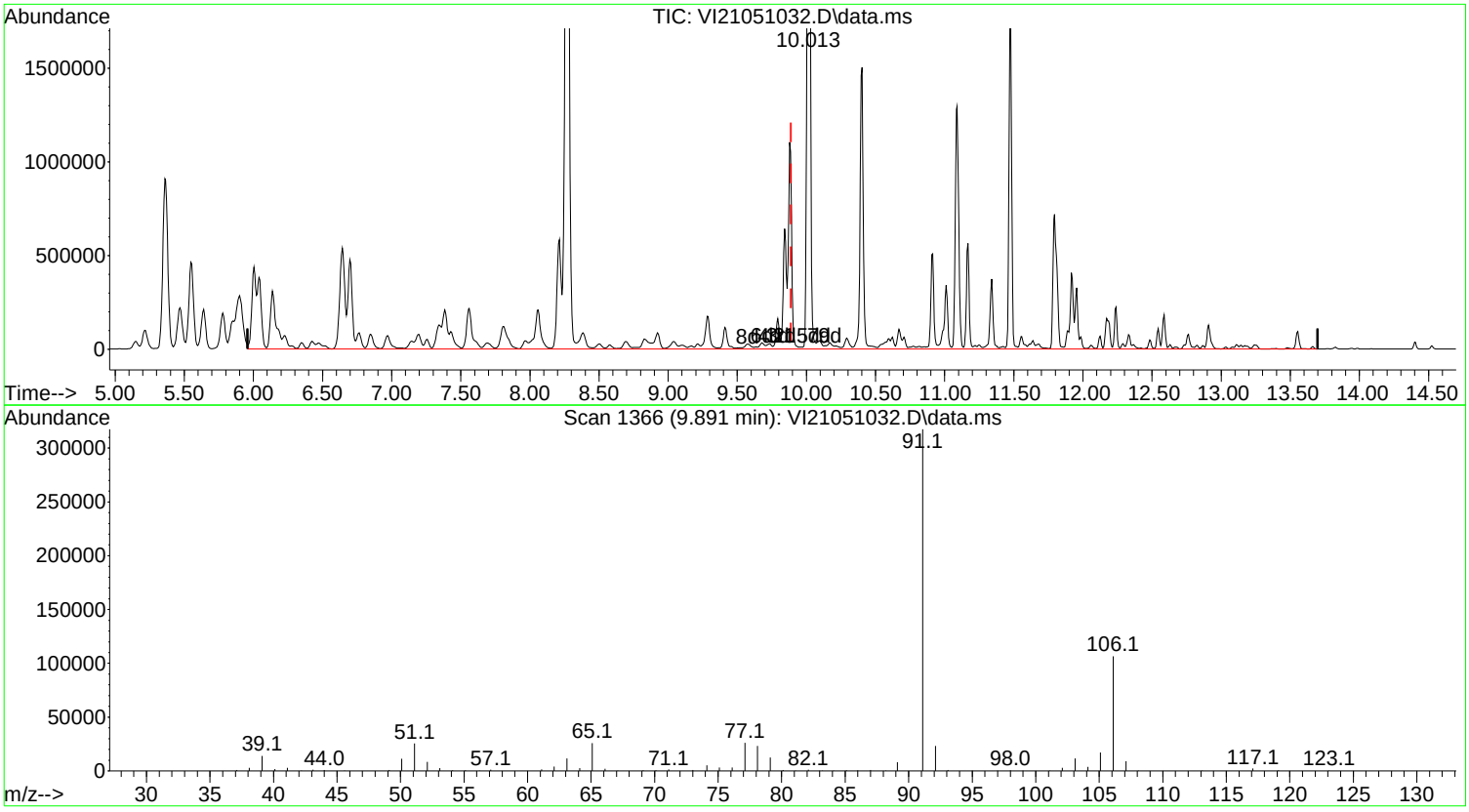


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051032.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 5265.57 ug/L m

response 37606702

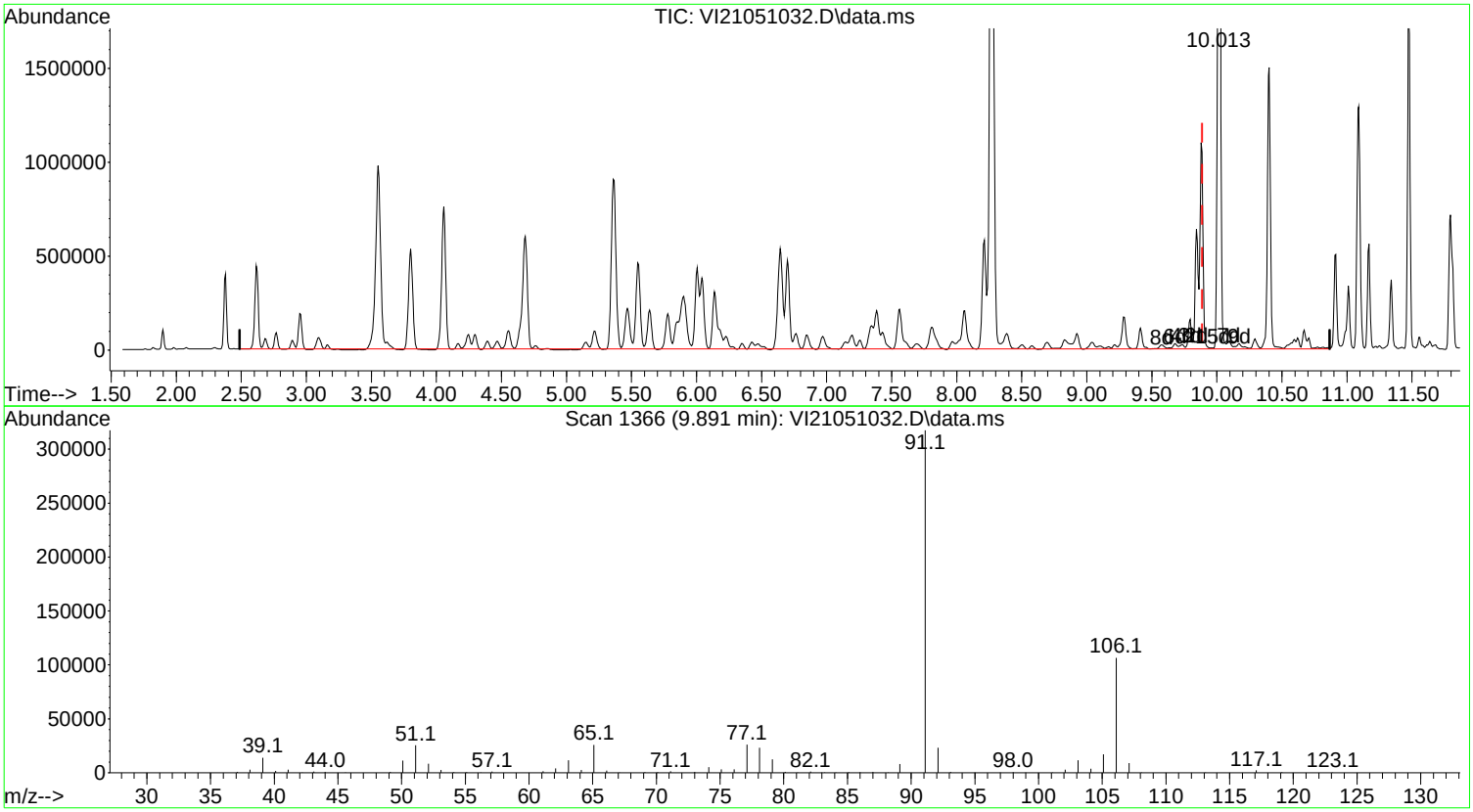
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051032.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 5193.61 ug/L m

response 44166562

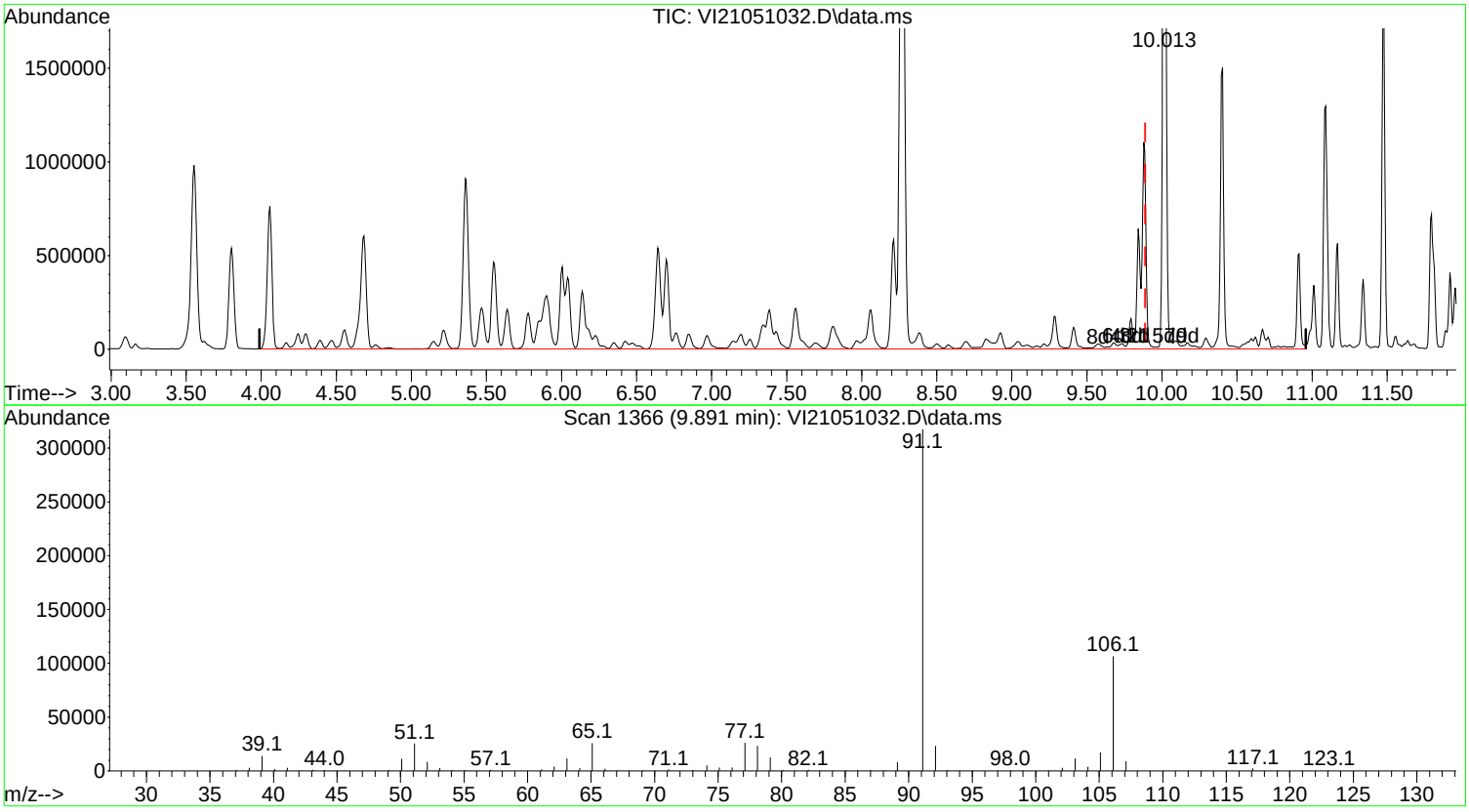
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051032.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 5152.33 ug/L m

response 37688014

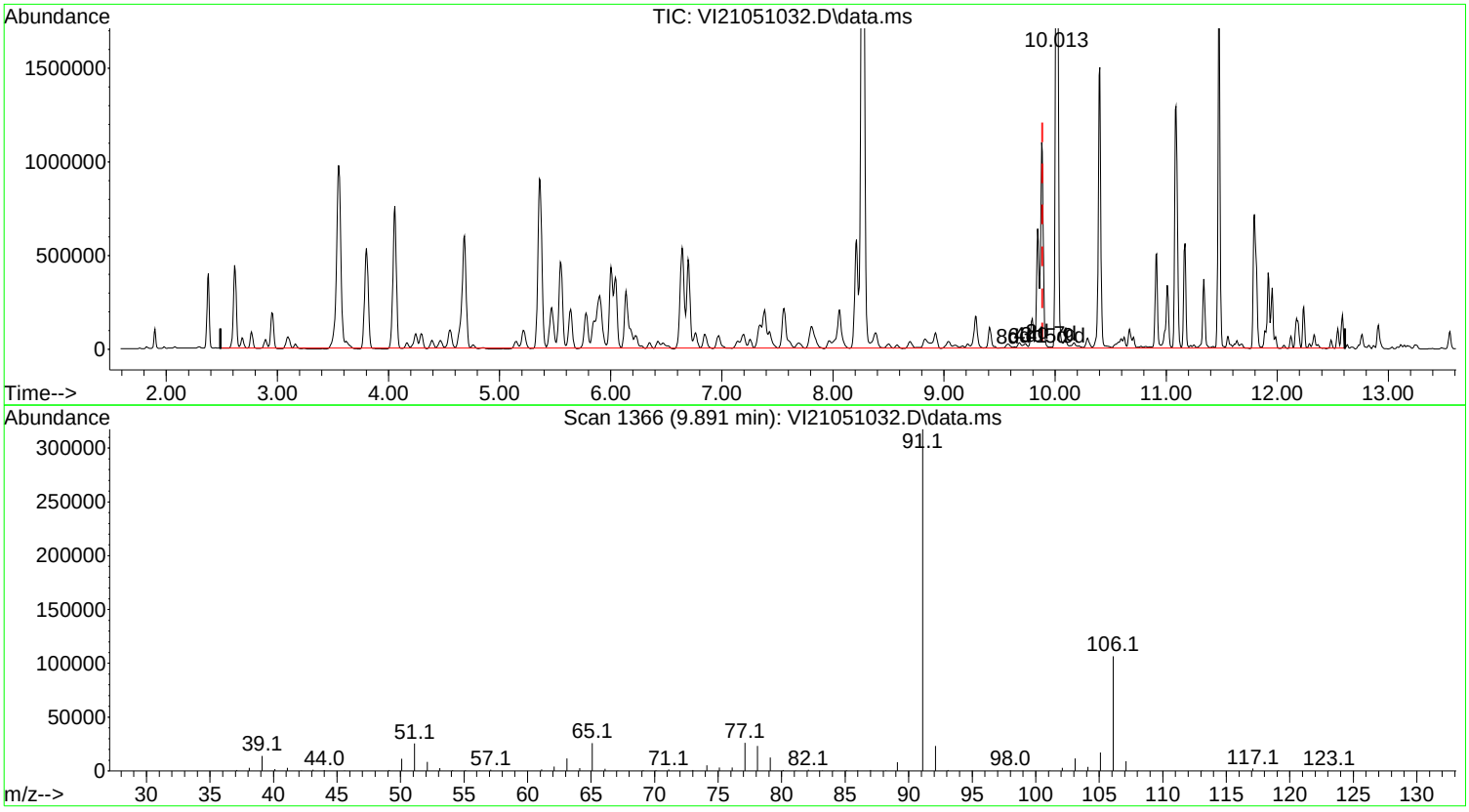
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051032.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 5041.89 ug/L m

response 53293081

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	243930	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	389743	49.30	ug/L	-0.01
3) 4-Bromofluorobenzene (...	10.913	174	136447	57.71	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	447698	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	345020	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	263261	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	37606702m	5265.57	ug/L	
5) TPHg (C5-C9)	9.890	TIC	44166562m	5193.61	ug/L	
6) TPHg (C6-C10)	9.890	TIC	37688014m	5152.33	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	53293081m	5041.89	ug/L	

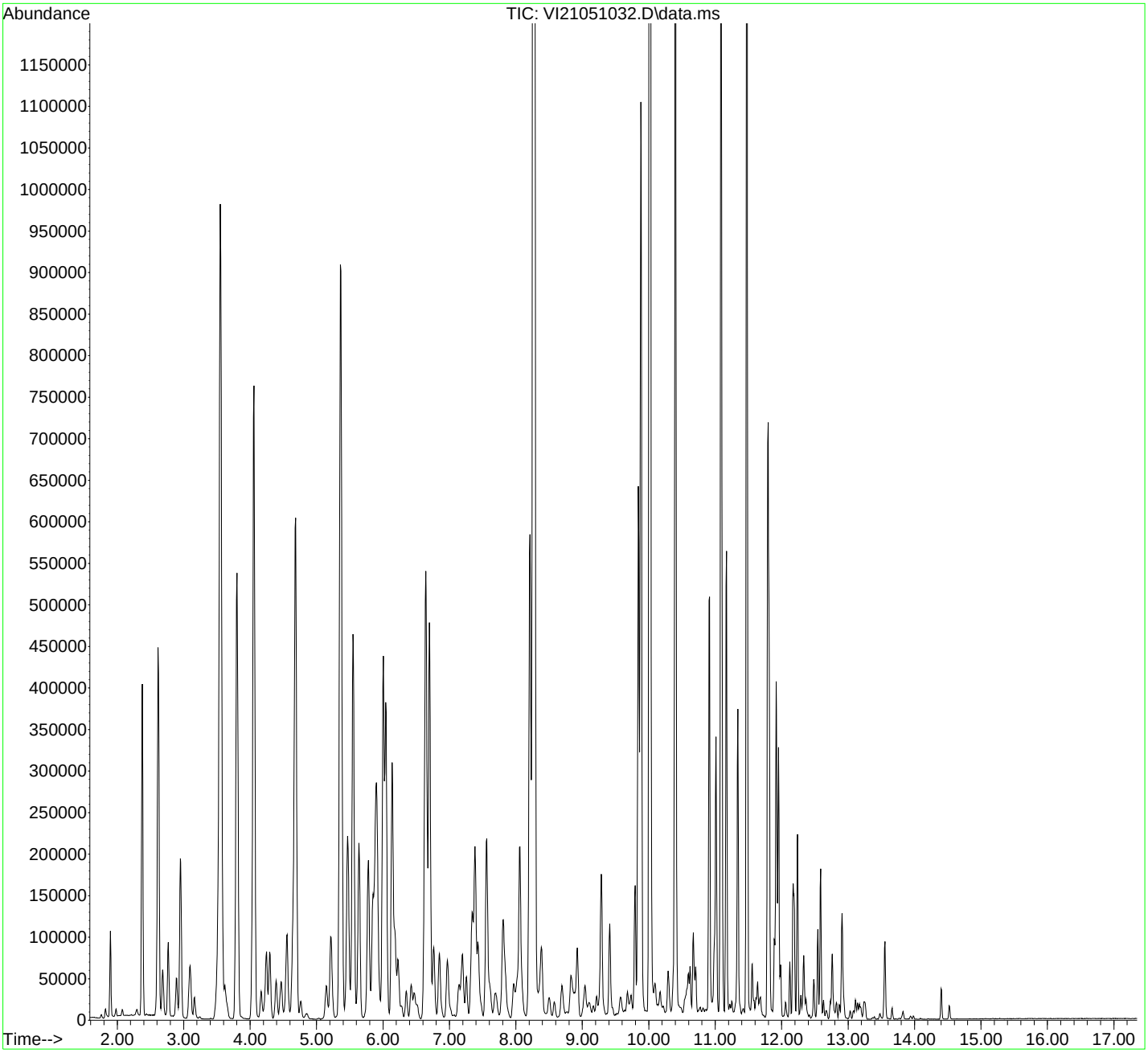
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051032.D
Acq On : 11 May 2021 5:31 am
Operator : PS
Sample : 1E10062-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:00 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	261101	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	414524	48.99	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	145830	57.63	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	474940	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	366302	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	273754	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	82922274m	10626.07	ug/L	
5) TPHg (C5-C9)	9.890	TIC	95757345m	10843.60	ug/L	
6) TPHg (C6-C10)	9.890	TIC	82848208m	10715.24	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	115646209m	10179.83	ug/L	

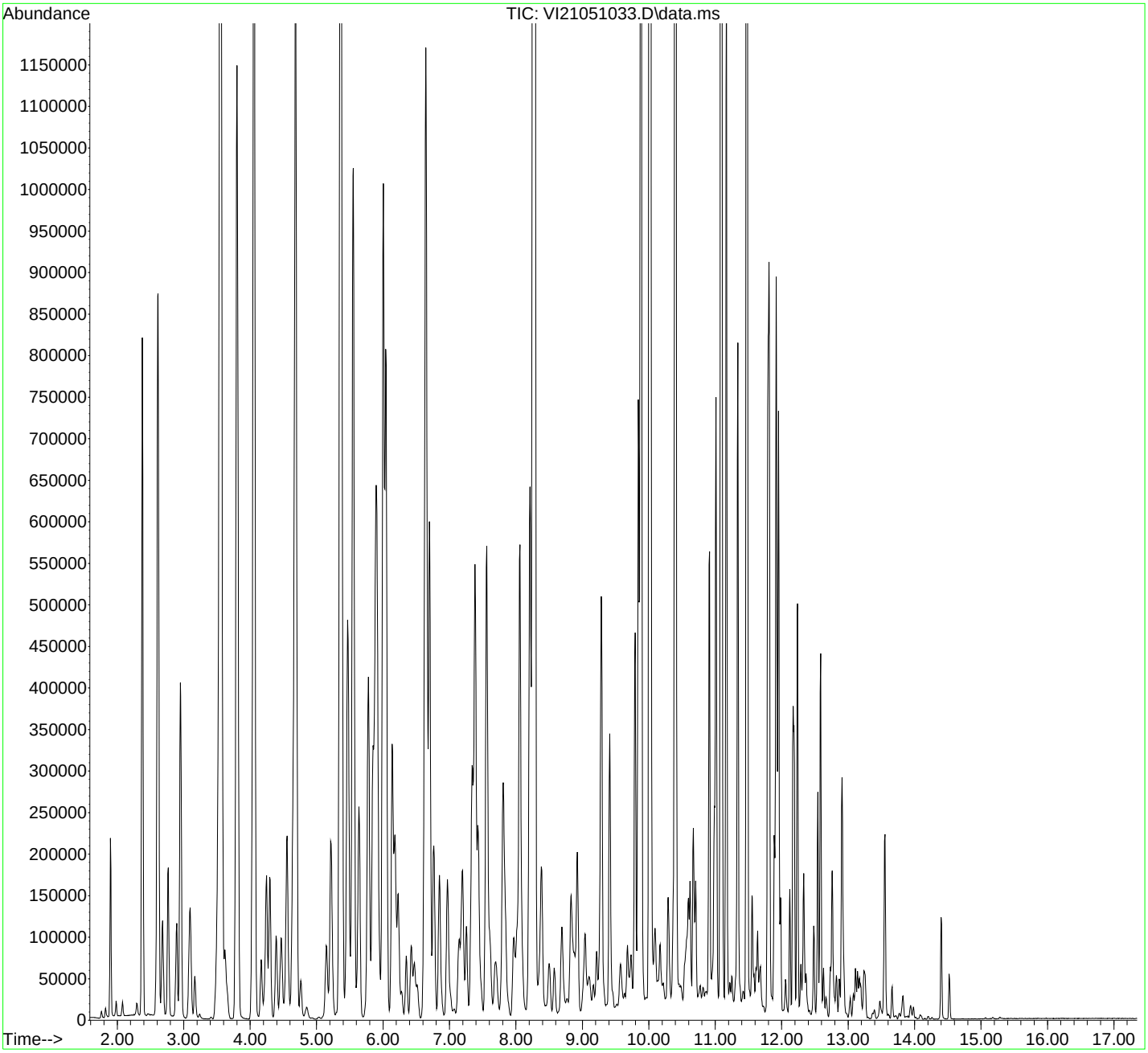
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

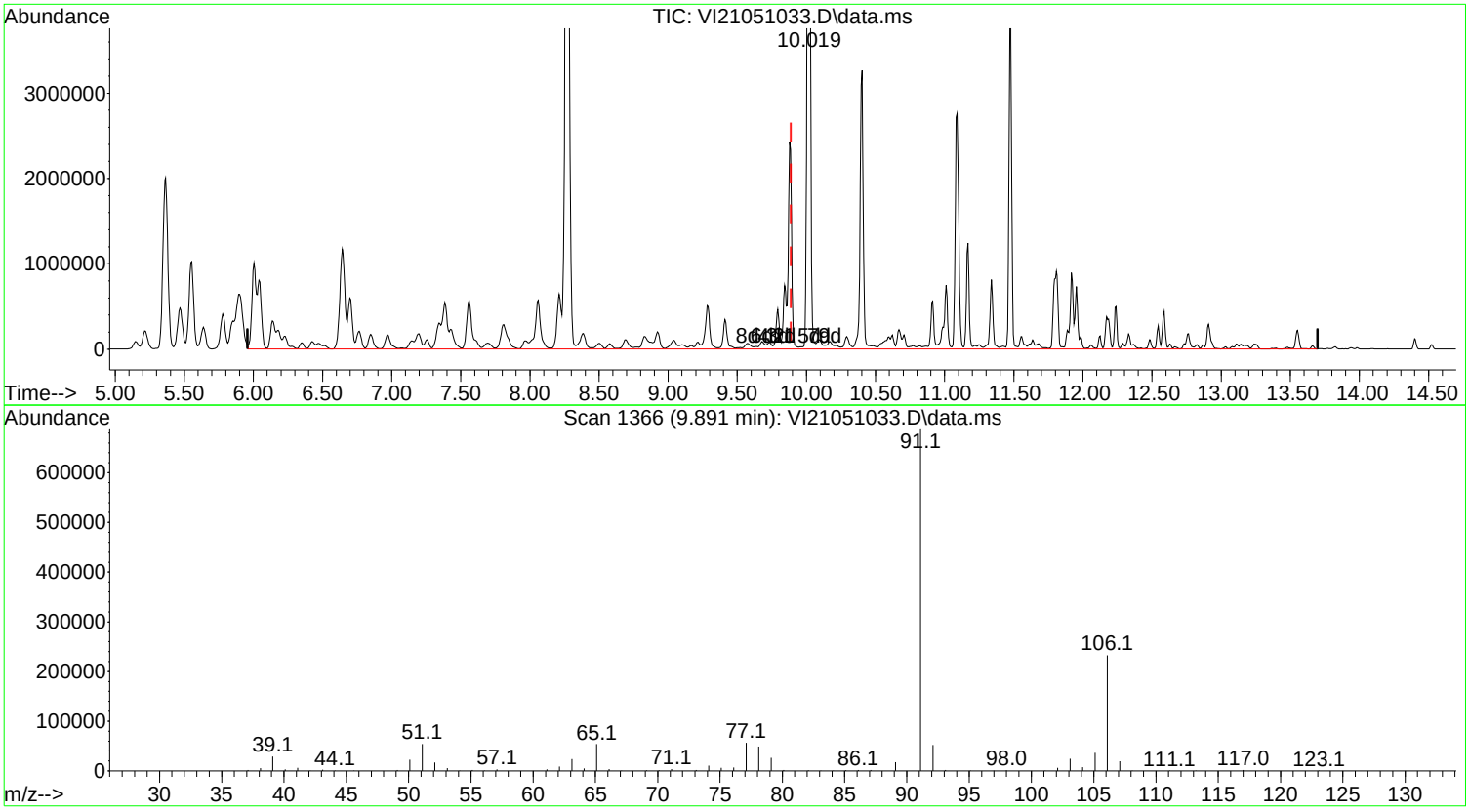


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051033.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 10626.07 ug/L m

response 82922274

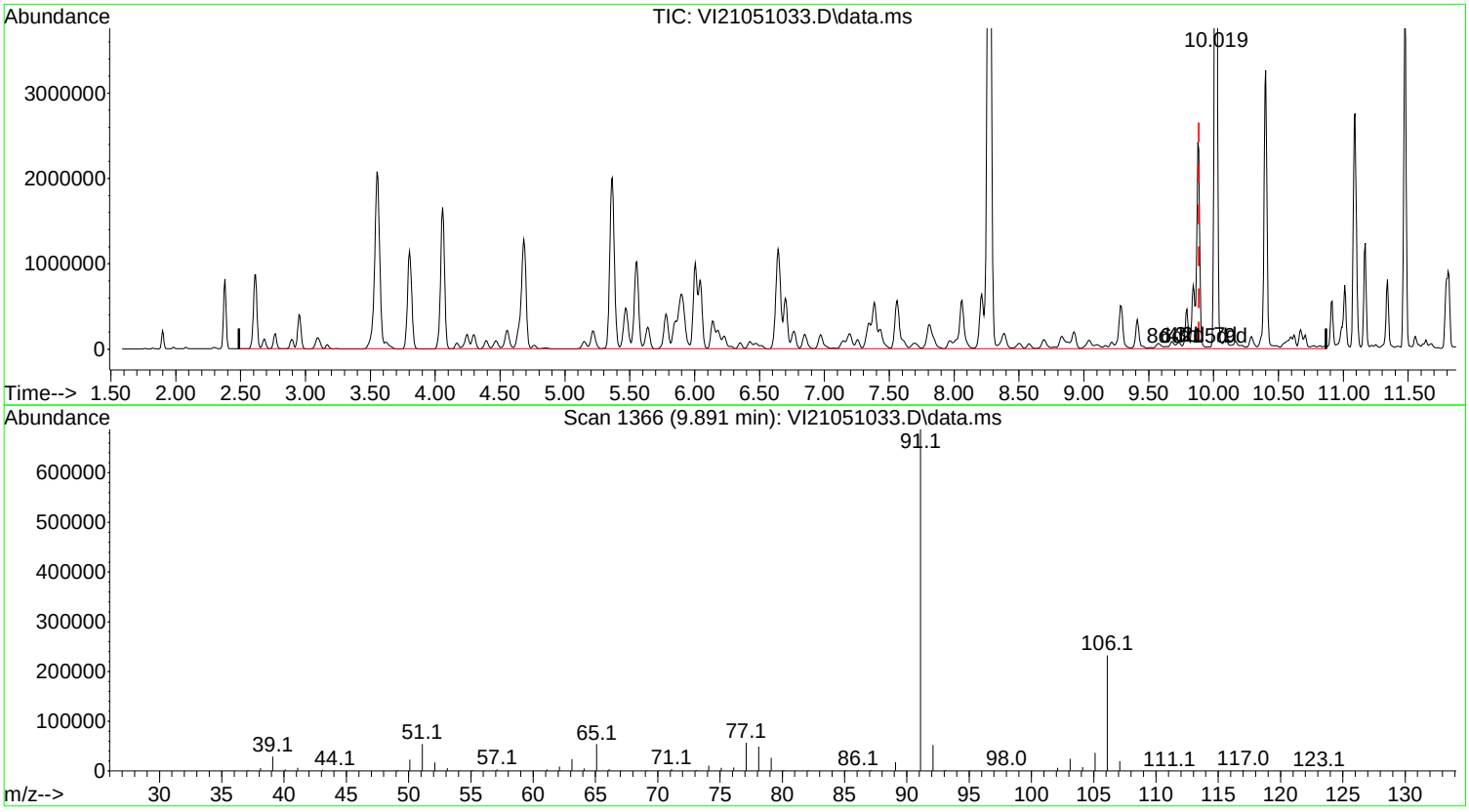
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051033.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 10843.60 ug/L m

response 95757345

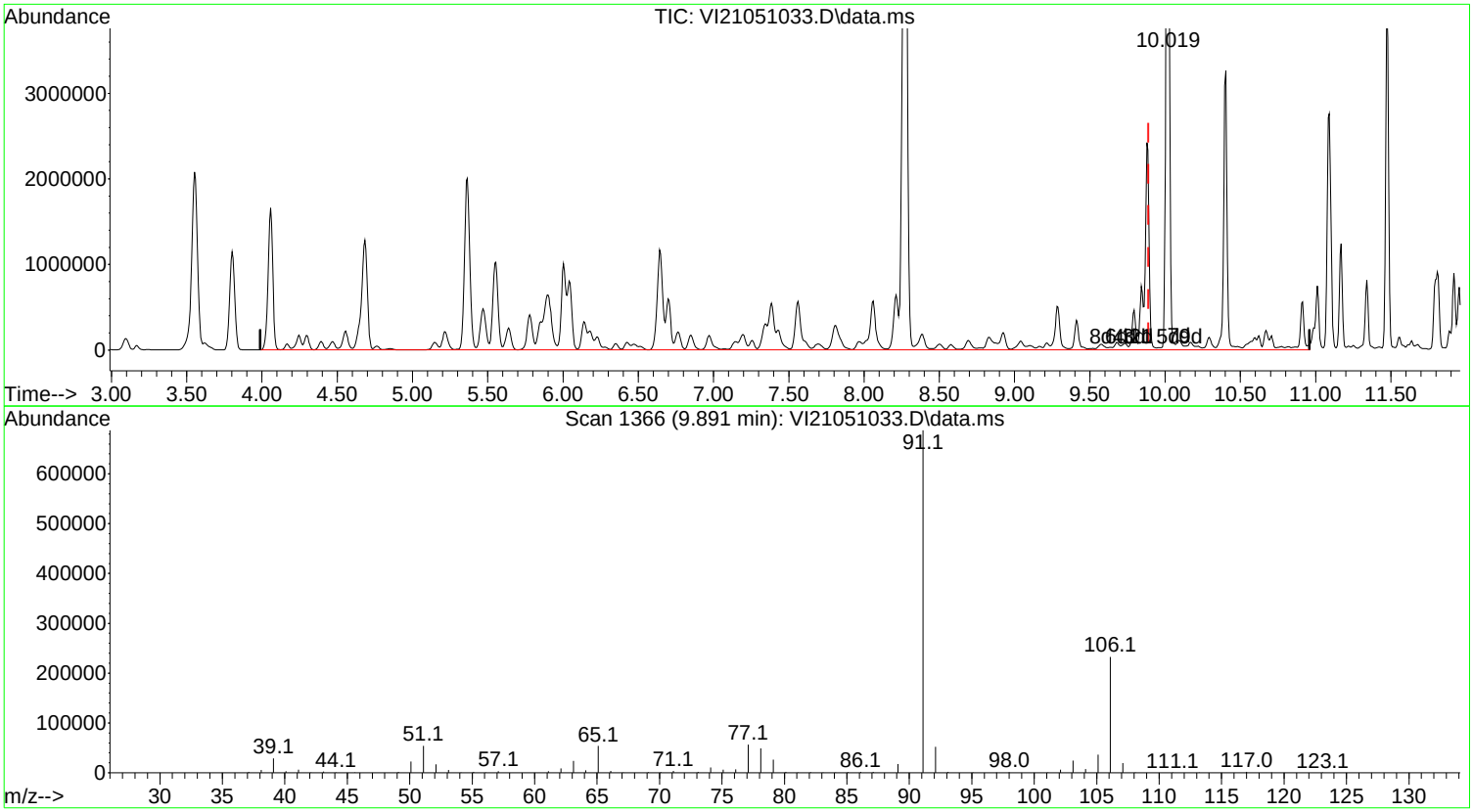
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051033.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 10715.24 ug/L m

response 82848208

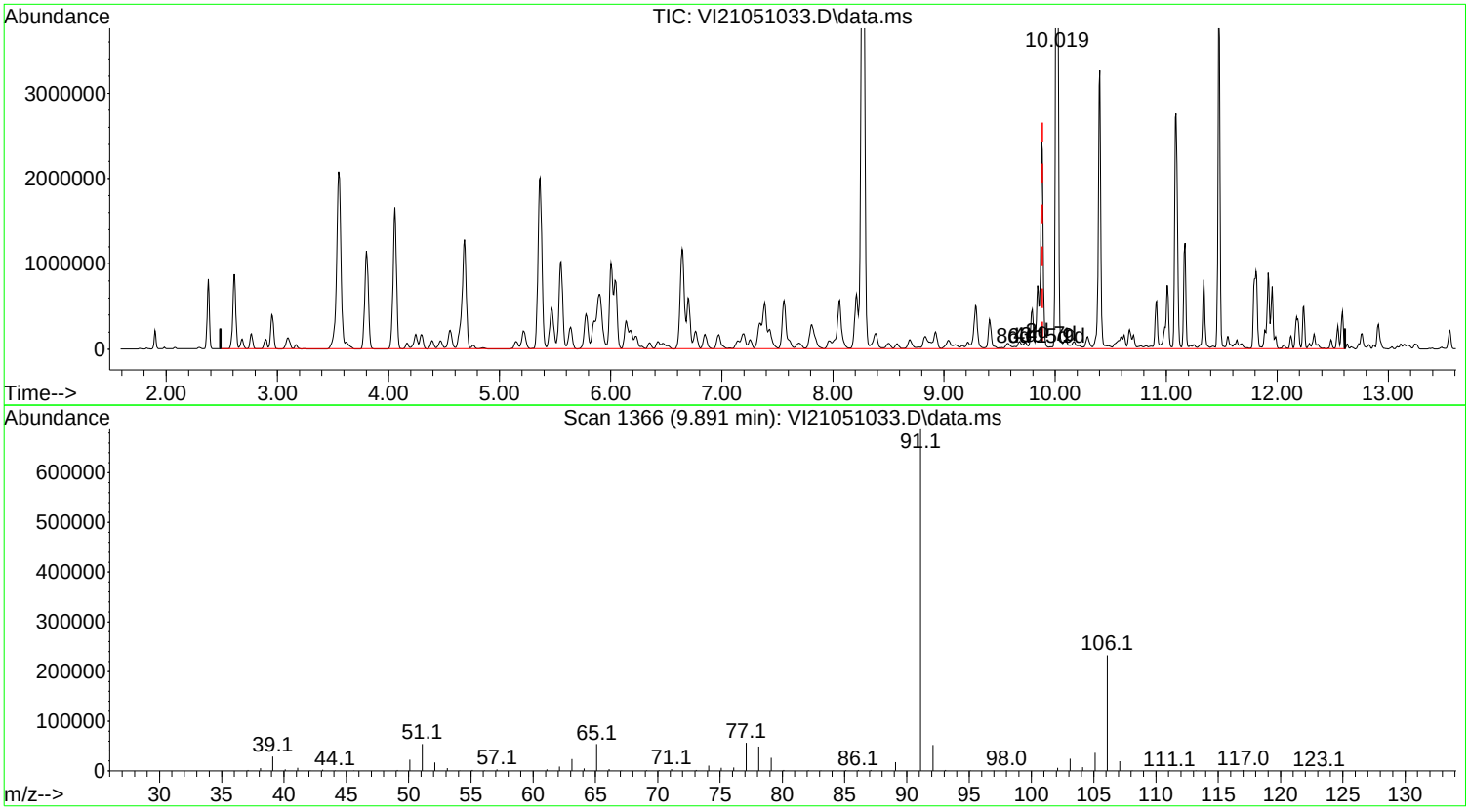
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



TIC: VI21051033.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 10179.83 ug/L m

response 115646209

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX 05/11/21 TNL
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\~~VI210510G.M~~
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	261101	50.00	ug/L	-0.01
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.703	114	414524	48.99	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	145830	57.63	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	474940	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	366302	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.795	150	273754	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	82922274m	10626.07	ug/L	
5) TPHg (C5-C9)	9.890	TIC	95757345m	10843.60	ug/L	
6) TPHg (C6-C10)	9.890	TIC	82848208m	10715.24	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	115646209m	10179.83	ug/L	

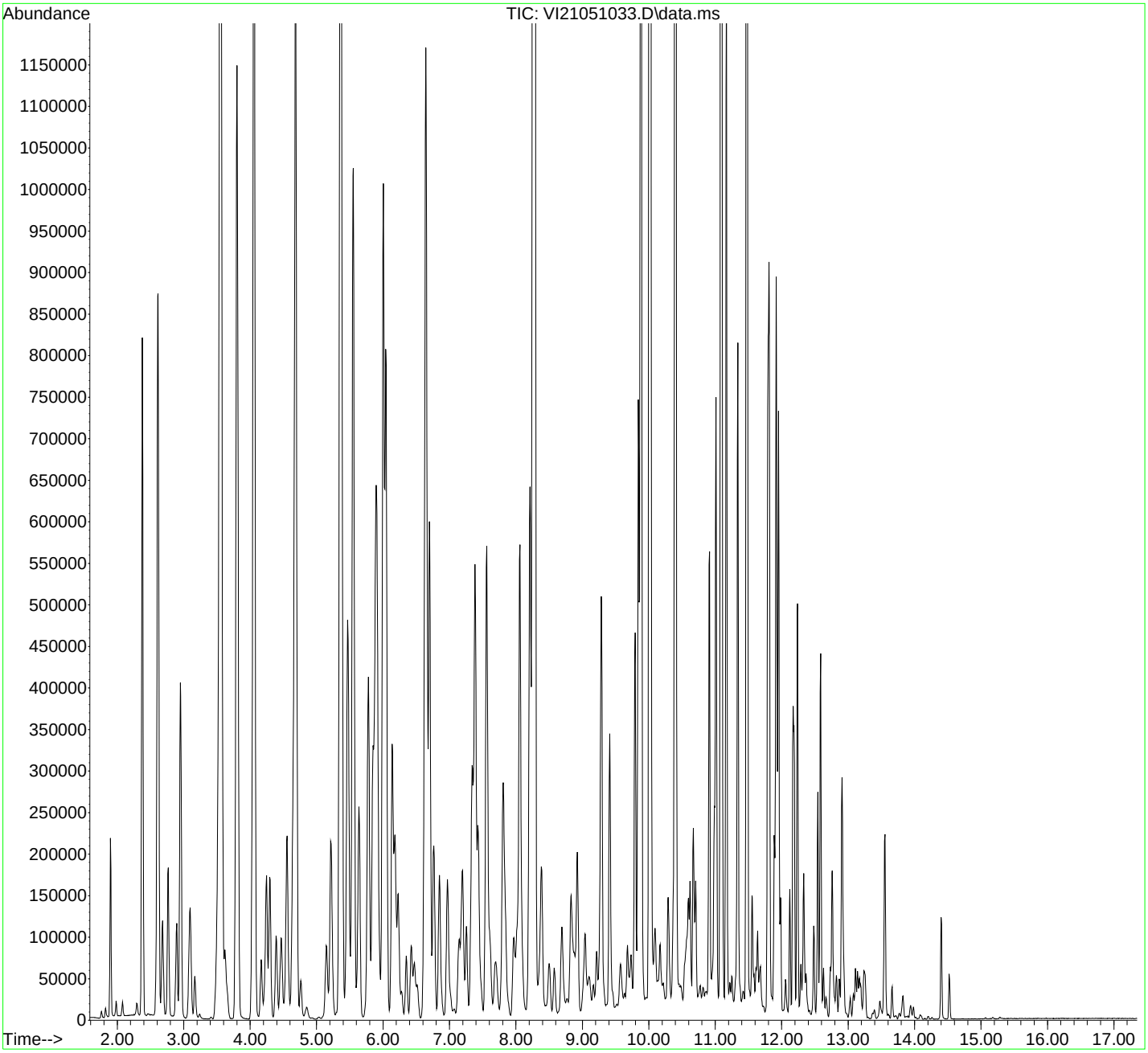
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051033.D
Acq On : 11 May 2021 5:58 am
Operator : PS
Sample : 1E10062-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 14:22:35 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 12:43:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051034.D
Acq On : 11 May 2021 6:25 am
Operator : PS
Sample : 1E10062-IBL9
Misc : 1X 5mL DI
ALS Vial : 34 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 16:20:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	244772	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	386524	49.50	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	124593	47.65	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	436747	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	327312	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	223371	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	67019m	44.90	ug/L	
5) TPHg (C5-C9)	9.890	TIC	482452m	34.98	ug/L	
6) TPHg (C6-C10)	9.890	TIC	419691m	33.24	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	531464m	37.09	ug/L	

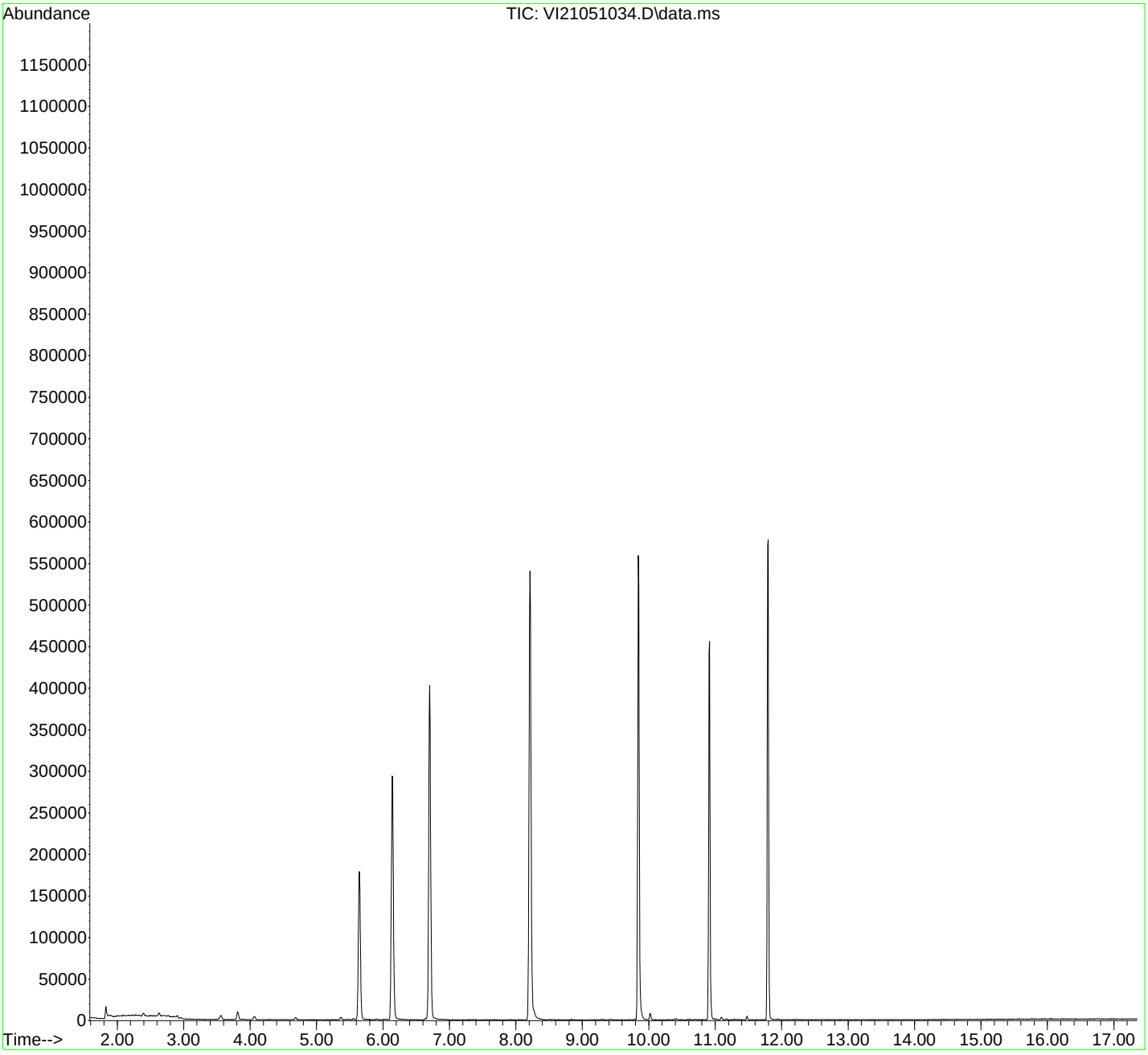
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051034.D
Acq On : 11 May 2021 6:25 am
Operator : PS
Sample : 1E10062-IBL9
Misc : 1X 5mL DI
ALS Vial : 34 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:20:55 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051035.D
Acq On : 11 May 2021 6:53 am
Operator : PS
Sample : 1E10062-IBLA
Misc : 1X 5mL DI
ALS Vial : 35 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

05/11/21 TNL

Quant Time: May 11 16:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.144	168	232815	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.704	114	371334	49.99	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.913	174	117963	47.43	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	417174	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	312286	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	211728	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-444m	35.36	ug/L	
5) TPHg (C5-C9)	9.890	TIC	389141m	26.35	ug/L	
6) TPHg (C6-C10)	9.890	TIC	338706m	24.33	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	413595m	27.54	ug/L	

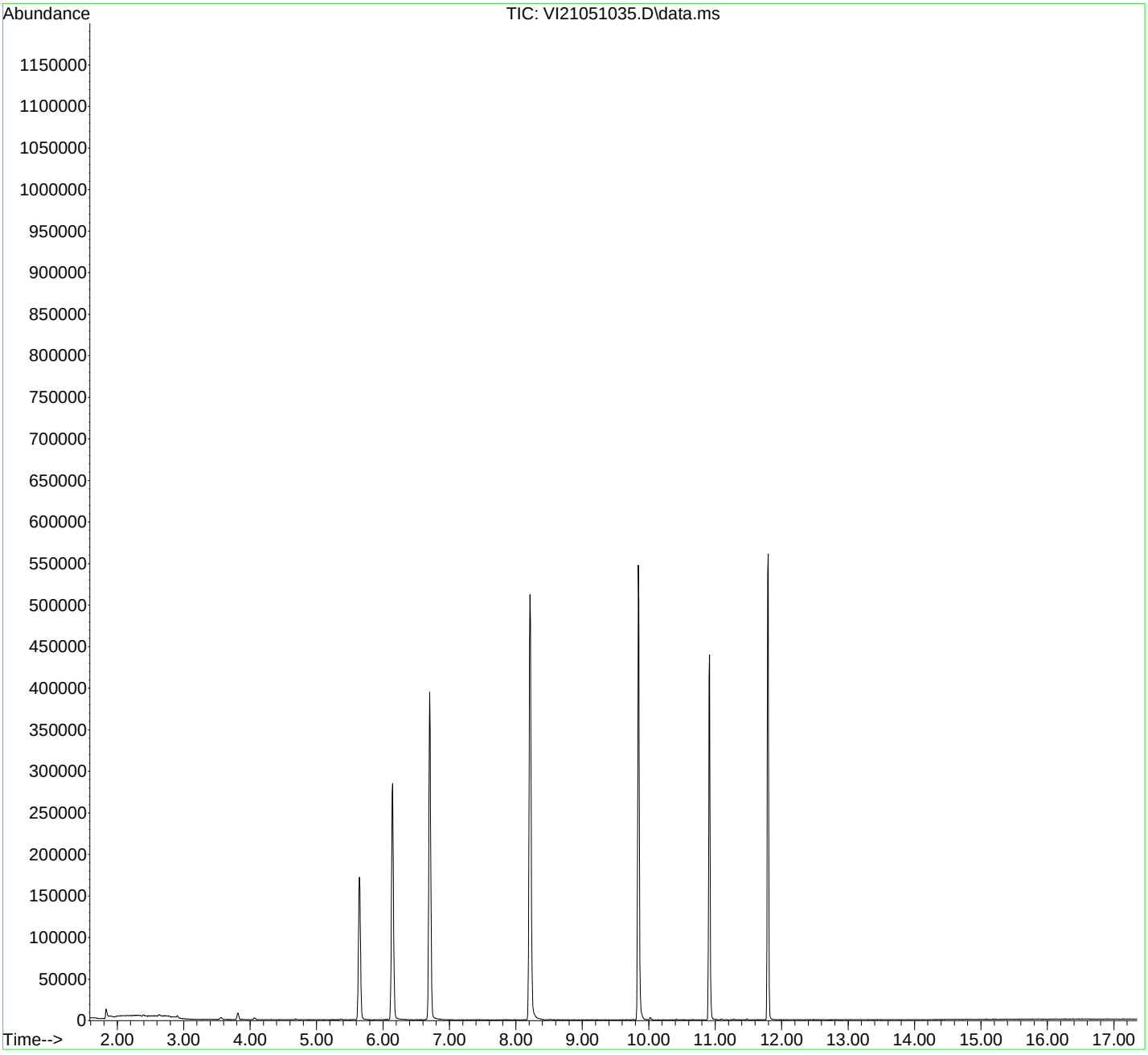
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051035.D
Acq On : 11 May 2021 6:53 am
Operator : PS
Sample : 1E10062-IBLA
Misc : 1X 5mL DI
ALS Vial : 35 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:20:58 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2 05/11/21 TNL
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	237729	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	379880	50.09	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	126925	49.98	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	431809	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	326073	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	235092	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	3004438m	470.85	ug/L	
5) TPHg (C5-C9)	9.890	TIC	4326061m	501.53	ug/L	
6) TPHg (C6-C10)	9.890	TIC	3613653m	493.90	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	5013917m	493.45	ug/L	

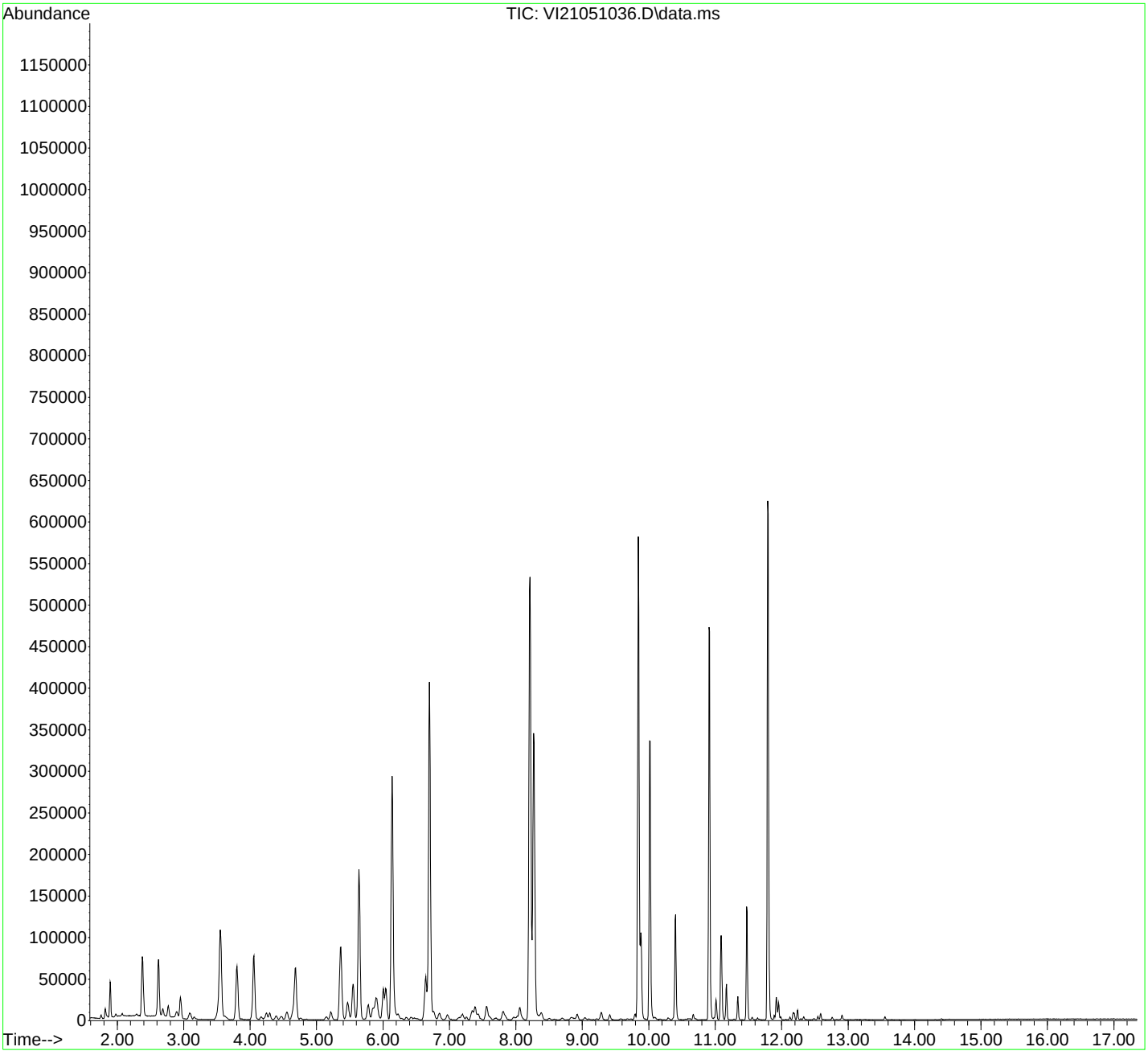
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

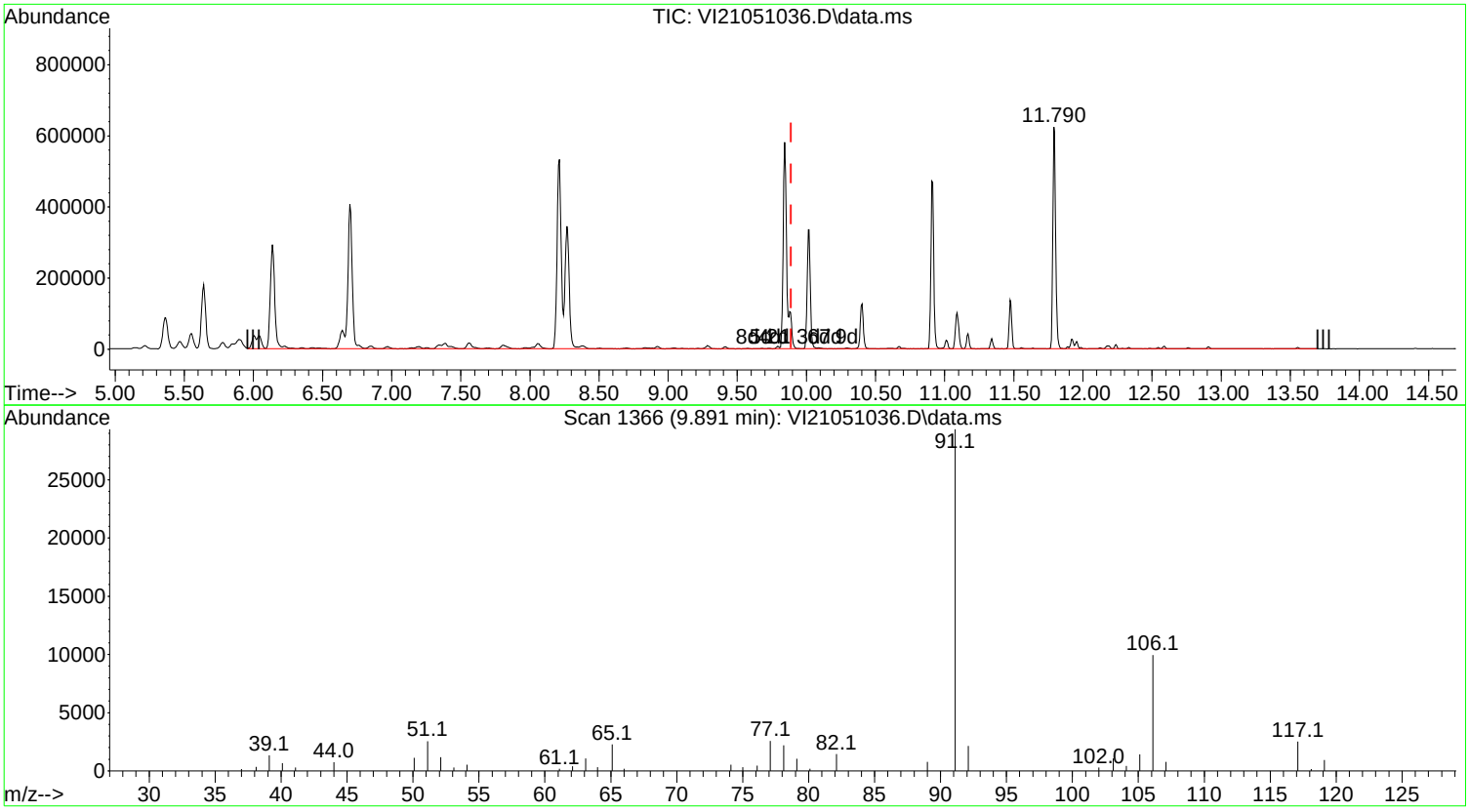


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



TIC: VI21051036.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 470.85 ug/L m

response 3004438

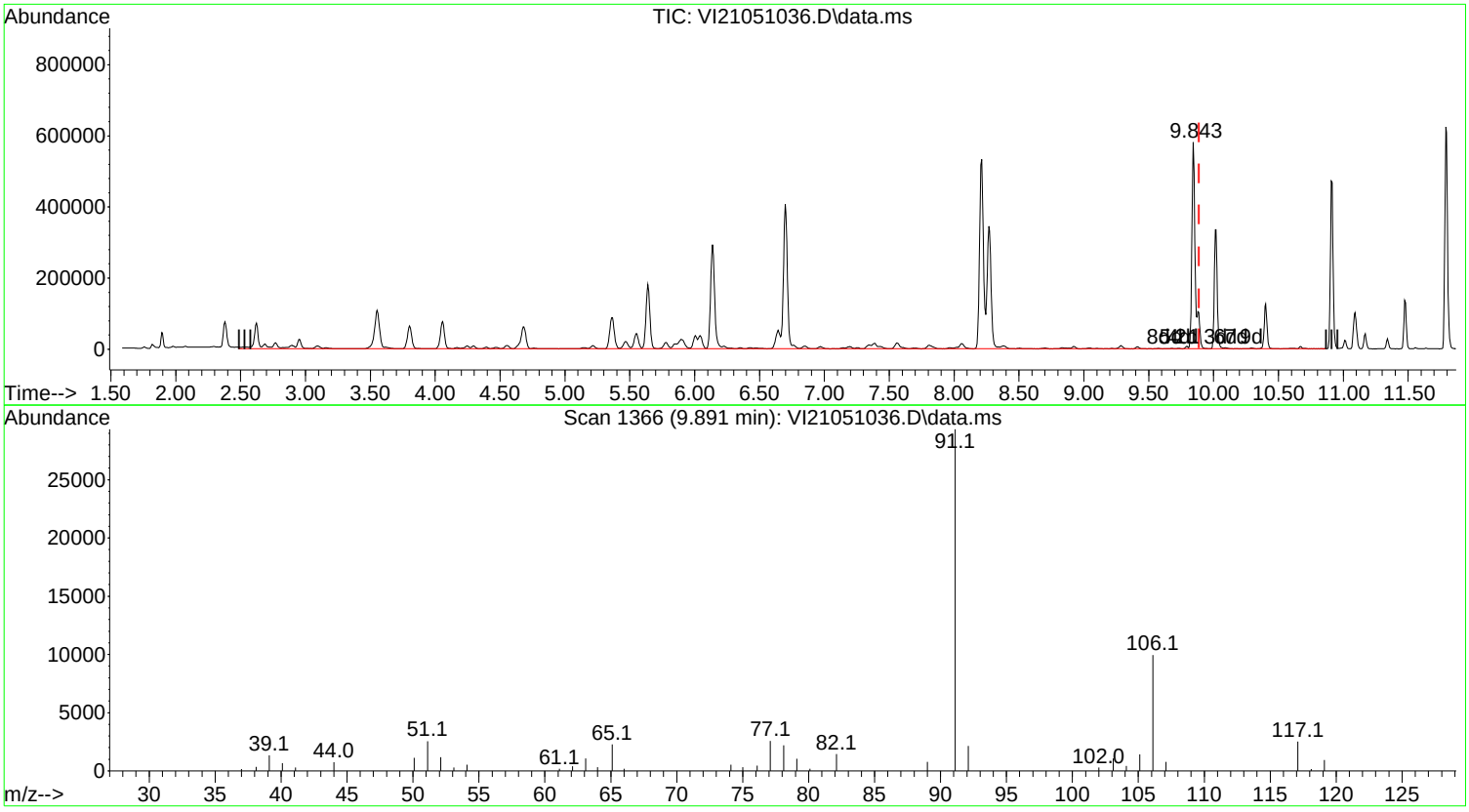
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



TIC: VI21051036.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 501.53 ug/L m

response 4326061

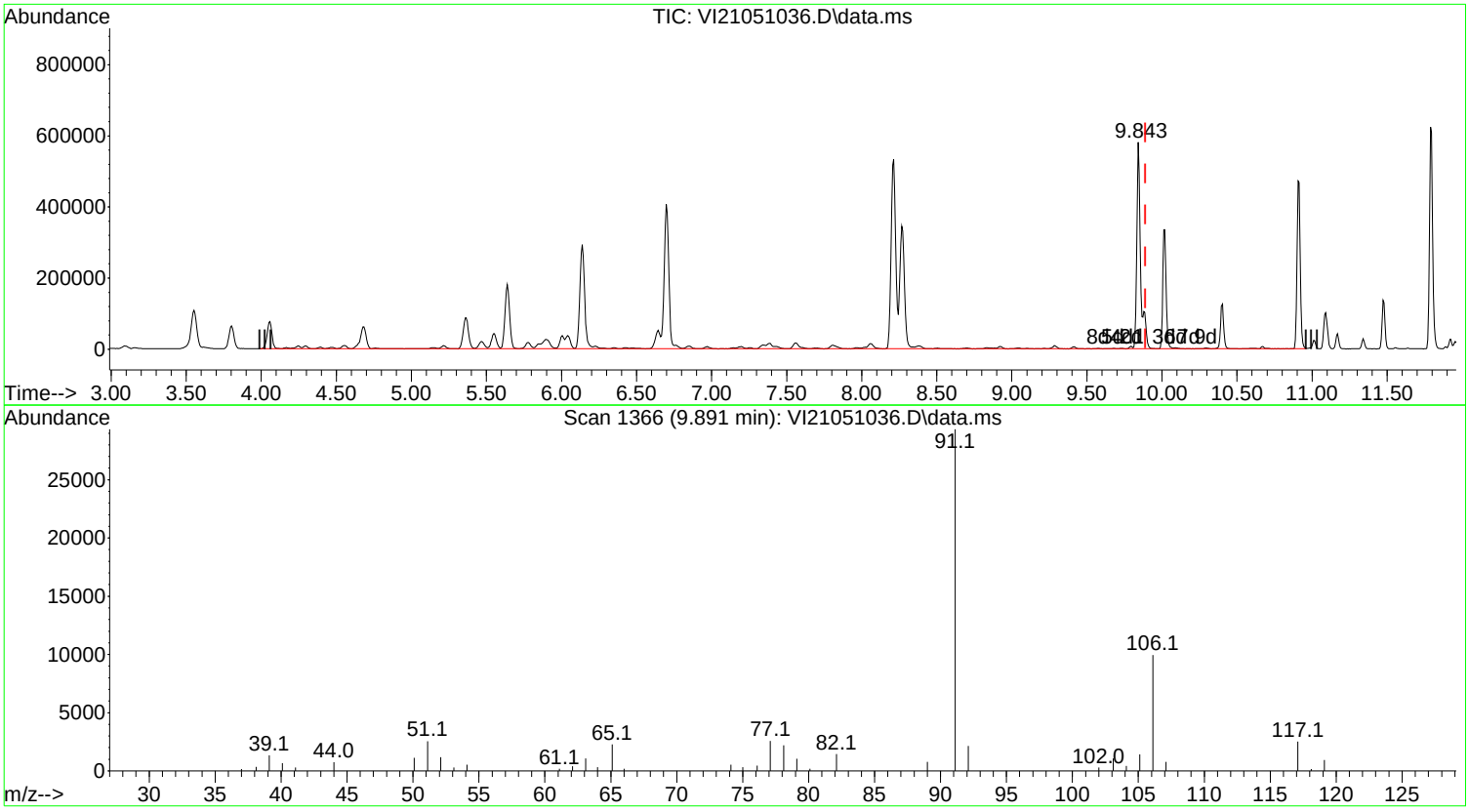
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



TIC: VI21051036.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 493.90 ug/L m

response 3613653

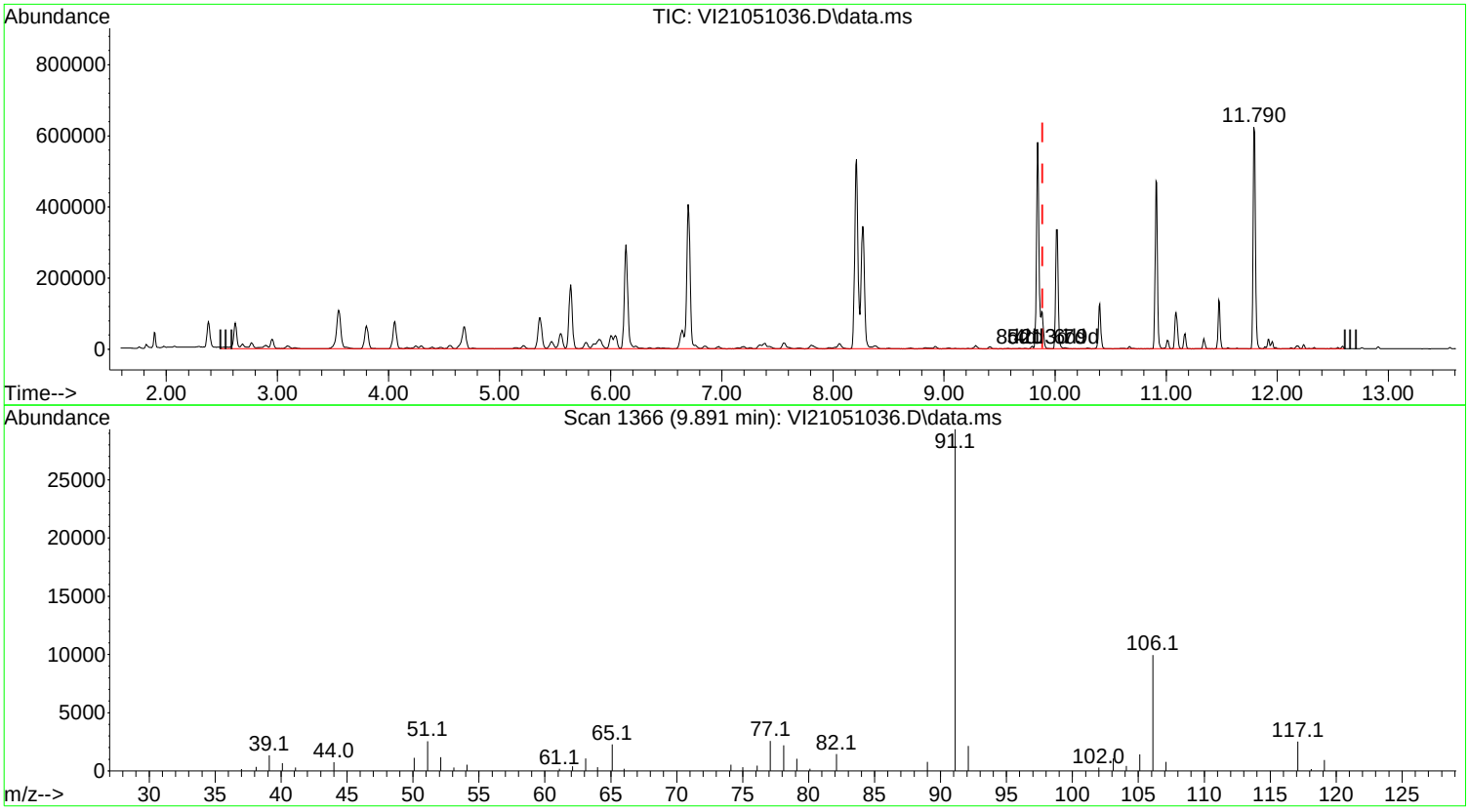
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



TIC: VI21051036.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 493.45 ug/L m

response 5013917

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1

05/11/21 TNL

DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	237729	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	379880	50.09	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	126925	49.98	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	431809	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	326073	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	235092	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	3004438m	470.85	ug/L	
5) TPHg (C5-C9)	9.890	TIC	4326061m	501.53	ug/L	
6) TPHg (C6-C10)	9.890	TIC	3613653m	493.90	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	5013917m	493.45	ug/L	

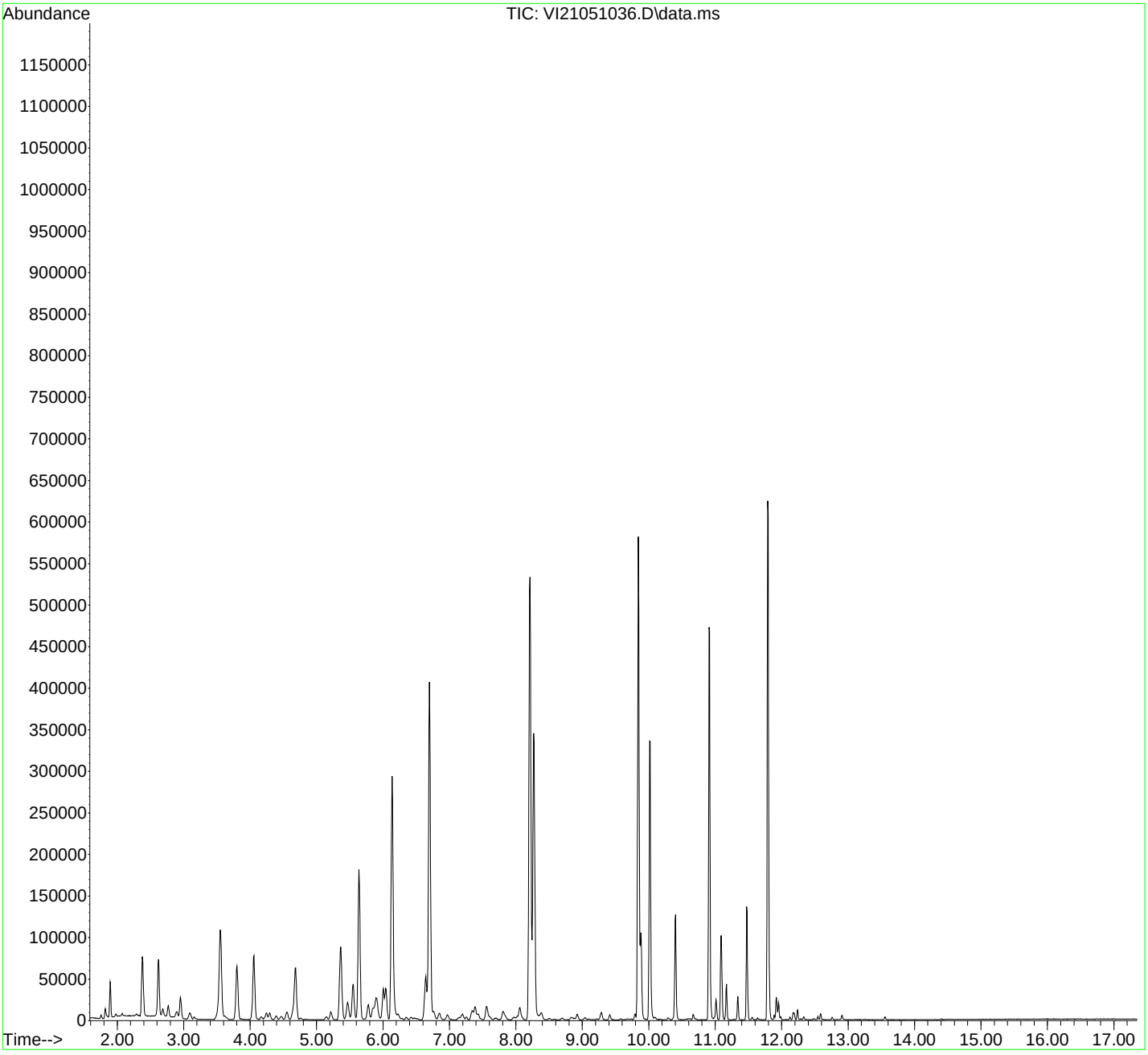
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051036.D
Acq On : 11 May 2021 7:20 am
Operator : PS
Sample : 1E10062-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:01 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051037.D
Acq On : 11 May 2021 7:48 am
Operator : PS
Sample : 1E10062-IBLB
Misc : 1X 5mL DI 05/11/21 TNL
ALS Vial : 37 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.138	168	230889	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.698	114	365858	49.67	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.914	174	118909	48.21	ug/L	0.00
9) Toluene-d8 (NR)	8.212	98	415550	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.843	117	314748	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.796	150	213274	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	22854m	38.85	ug/L	
5) TPHg (C5-C9)	9.890	TIC	379985m	25.61	ug/L	
6) TPHg (C6-C10)	9.890	TIC	357436m	27.53	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	419562m	28.52	ug/L	

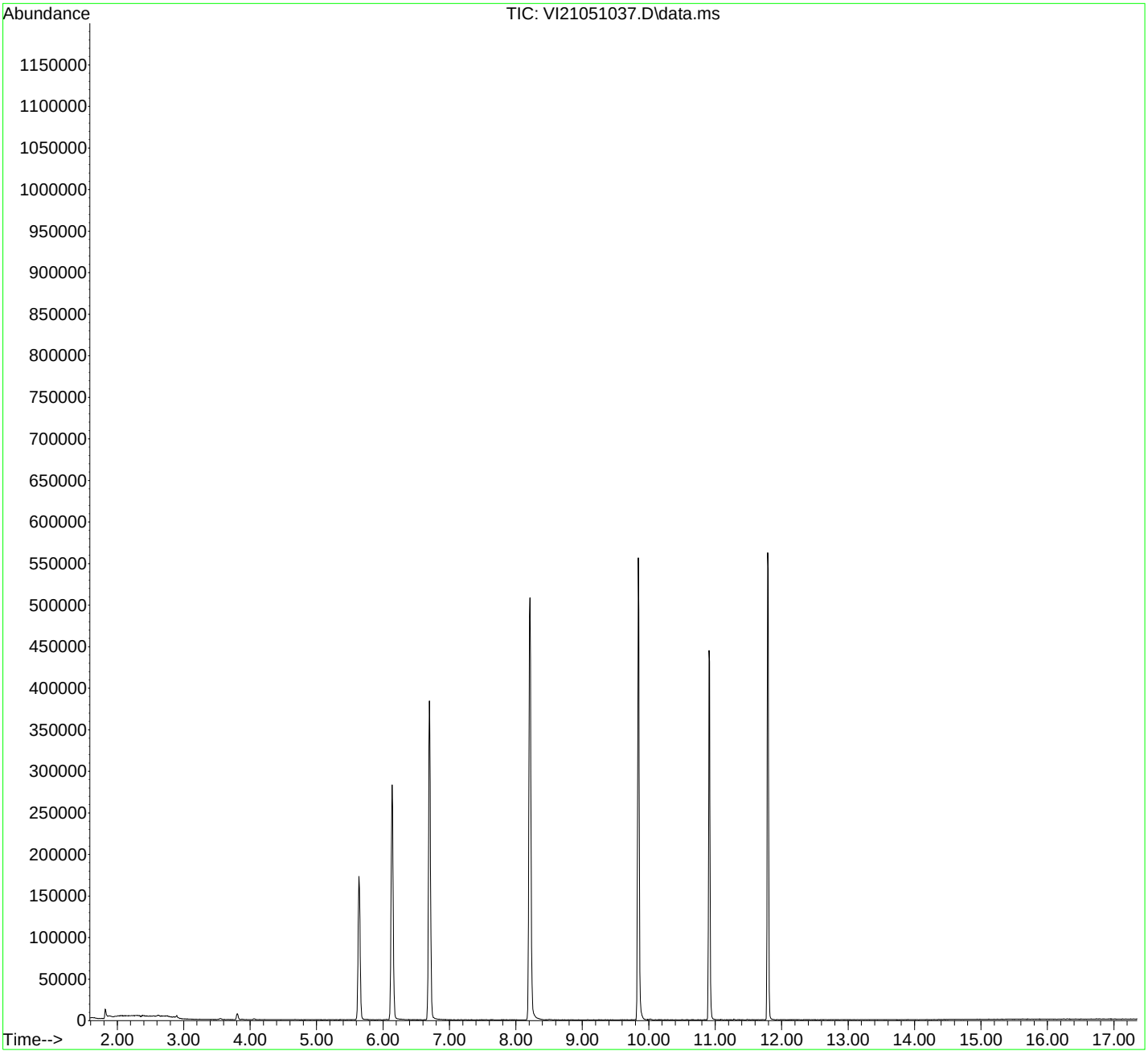
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2021-05\1E10062\
Data File : VI21051037.D
Acq On : 11 May 2021 7:48 am
Operator : PS
Sample : 1E10062-IBLB
Misc : 1X 5mL DI
ALS Vial : 37 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: May 11 16:21:04 2021
Quant Method : C:\msdchem\1\methods\VI210510G.M
Quant Title : GCMS9: NWTPH-Gx by GC/MS
QLast Update : Tue May 11 16:13:47 2021
Response via : Initial Calibration



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

Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Batch 1050502
Sequence 1E14046 (A1E0219-01,02)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050502 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050502-BLK1		QC	05/14/21 09:51	1100	2				100					
	1050502-BSD1		QC	05/14/21 09:51	1000	2	A21D451		100	100					
	1050502-BS1		QC	05/14/21 09:51	1000	2	A21D451		100	100					
	A1E0219-01	K	8082 PCBs - Low Level (2mL FV) +1262/68	05/14/21 09:51	1030	2				100	SC-FB-2105030940				
	A1E0219-02	K	8082 PCBs - Low Level (2mL FV) +1262/68	05/14/21 09:51	1070	2				100	SC-RB-2105030901				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A20J209	04/11/23	Florisil Lot 029070-CS
A20L372	06/20/21	Sulfuric Acid
A21A347	07/25/21	DCM lot # 207252
A21B359	08/18/21	Copper, Granular Lot# 127010-BM
A21C176	09/12/22	n-Hexane Lot# 207249
A21E056	11/01/21	Sodium Sulfate Lot # 205913

Analyte Spike(s)

Std ID	Exp. Date	Description
A21D451	09/24/21	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A21E205	10/22/21	8082 PCB Surrogate Spike

3x Rinse:

Witness:_____

Bottle Check:_____

Prepared By: Date

JC 5.17.21

Reviewed By: Date

Analyst Review: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050502 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH 6	pH >11
	1050502-BLK1		QC	05/14/21 09:51	~~1000~~ 1000 OC	2 ✓				100				6	
	1050502-BSD1		QC	05/14/21 09:51	1000	2 ✓	A21D451		100	100				6	
	1050502-BS1		QC	05/14/21 09:51	1000	2 ✓	A21D451		100	100				6	
	A1E0219-01	G	8082 PCBs - Low Level (2mL FV) +1262/68	05/14/21 09:51	~~1000~~ 1030	2 ✓				100	SC-FB-2105030940 ✓			6	
	A1E0219-02	G	8082 PCBs - Low Level (2mL FV) +1262/68	05/14/21 09:51	~~1000~~ 1070	2 ✓				100	SC-RB-2105030901 ✓			6	

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A20J209	04/11/23	Florisil Lot 029070-CS
A20L372	06/20/21	Sulfuric Acid
A21A347	07/25/21	DCM lot # 207252
A21B359	08/18/21	Copper, Granular Lot# 127010-BM
A21C176	09/12/22	n-Hexane Lot# 207249
A21E056	11/01/21	Sodium Sulfate Lot # 205913

Analyte Spike(s) cas

Std ID	Exp. Date	Description
A21D451	09/24/21	8082 PCB Matrix Spike

Surrogate(s) cas

Std ID	Exp. Date	Description
~~A21D309~~ 42(E205)	~~09/26/21~~ cas 05/14/21	8082 PCB Surrogate Spike

3x Rinse: ✓ cas 05/14/21

Witness: [signature] 5/14/21

Bottle Check: [signature] 5/14/21

cas 05/14/21
Prepared By: Date

[signature] 05-14-21
Reviewed By: Date

[signature] 5-17-21
Analyst Review: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1E14046**	Instrument:	**DUALECD2R**
Date:	**05/14/21 16:31**	Calibration:	**A1D0703**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E14046-CCV1	Water	QC	QC				A21D317
2	1E14046-CCB1	Water	QC	QC				A21E029
3	1050502-BLK1	Water	QC	QC		1050502		
4	1050502-BS1	Water	QC	QC		1050502		
5	1050502-BSD1	Water	QC	QC		1050502		
6	A1E0219-01	Water	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	05/17/21	1050502		
7	A1E0219-02	Water	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	05/17/21	1050502		
8	1E14046-CCV2	Water	QC	QC				A21D317
9	1E14046-CCB2	Water	QC	QC				A21E029

Standard	Description:	Expires:
A21D317	8082 1016/1260 CCV (500ppb)	9/26/2021
A21E029	8082 Instrument Blank	10/22/2021

Data Entered By/Date: JC 5/17/21

Comments:

Data Reviewed By/Date: MKZ 5/17/2021

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1E14046-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	405.70
1016 (2)	397.89
1016 (3)	389.97
1016 (4)	450.63
1016 (5)	428.92
1016 (6)	427.81
Average:	**416.82**

Aroclor 1260

Peak	Initial Res
1260 (1)	475.93
1260 (2)	480.15
1260 (3)	499.85
1260 (4)	512.26
1260 (5)	494.02
1260 (6)	471.09
Average:	**488.88**

1050502-BS1

Aroclor 1016

Peak	Initial Res
1016 (1)	830.77
1016 (2)	868.45
1016 (3)	801.06
1016 (4)	909.93
1016 (5)	847.16
1016 (6)	884.18
Average:	**856.93**

Aroclor 1260

Peak	Initial Res
1260 (1)	943.32
1260 (2)	1,044.44
1260 (3)	1,020.74
1260 (4)	1,087.17
1260 (5)	1,031.79
1260 (6)	981.30
Average:	**1,018.13**

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1050502-BSD1

Aroclor 1016

Peak	Initial Res
1016 (1)	800.66
1016 (2)	875.02
1016 (3)	813.83
1016 (4)	874.17
1016 (5)	896.52
1016 (6)	895.33
Average:	**859.26**

Aroclor 1260

Peak	Initial Res
1260 (1)	1,006.42
1260 (2)	1,061.85
1260 (3)	1,065.35
1260 (4)	1,137.09
1260 (5)	1,074.11
1260 (6)	1,084.19
Average:	**1,071.50**

1E14046-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	425.13
1016 (2)	418.78
1016 (3)	401.60
1016 (4)	440.34
1016 (5)	428.67
1016 (6)	439.85
Average:	**425.73**

Aroclor 1260

Peak	Initial Res
1260 (1)	480.45
1260 (2)	496.51
1260 (3)	503.07
1260 (4)	527.92
1260 (5)	534.61
1260 (6)	501.27
Average:	**507.31**

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	14812389	213.416	ng/ml
64) S	DCBP (S)	10.599	8296235	238.213	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	849676	405.697	ng/ml
3)	Aroclor 1016 (2)	6.819	1451733	397.894	ng/ml
4)	Aroclor 1016 (3)	6.947	655021	389.972	ng/ml
5)	Aroclor 1016 (4)	7.032	774943	450.626	ng/ml
6)	Aroclor 1016 (5)	7.078	824739	428.922	ng/ml
7)	Aroclor 1016 (6)	7.203	817230	427.814	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.817	74336	148.134	ng/ml
10)	Aroclor 1221 (2)	5.905	105599	210.929	ng/ml
11)	Aroclor 1221 (3)	5.993	497395	292.807	ng/ml
12)	Aroclor 1221 (4)	6.503	476701	1382.135	ng/ml
13)	Aroclor 1221 (5)	6.819	1451733	5585.058	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	497395	366.385	ng/ml
16)	Aroclor 1232 (2)	6.329	849676	991.379	ng/ml
17)	Aroclor 1232 (3)	6.819	1451733	1009.937	ng/ml
18)	Aroclor 1232 (4)	7.032	774943	1363.455	ng/ml
19)	Aroclor 1232 (5)	7.078	824739	1236.757	ng/ml
20)	Aroclor 1232 (6)	7.203	817230	1187.602	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	849676	523.379	ng/ml
23)	Aroclor 1242 (2)	6.819	1451733	518.577	ng/ml
24)	Aroclor 1242 (3)	6.947	655021	506.373	ng/ml
25)	Aroclor 1242 (4)	7.032	774943	615.915	ng/ml
26)	Aroclor 1242 (5)	7.078	824739	573.761	ng/ml
27)	Aroclor 1242 (6)	7.203	817230	540.424	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	1266126	769.855	ng/ml
30)	Aroclor 1248 (2)	7.032	774943	349.458	ng/ml
31)	Aroclor 1248 (3)	7.078	824739	393.977	ng/ml
32)	Aroclor 1248 (4)	7.203	817230	325.700	ng/ml
33)	Aroclor 1248 (5)	7.568	187954	59.394	ng/ml
34)	Aroclor 1248 (6)	7.727	728460	257.218	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	608835	187.158	ng/ml
37)	Aroclor 1254 (2)	7.727	728460	139.983	ng/ml
38)	Aroclor 1254 (3)	8.038	403332	75.659	ng/ml
39)	Aroclor 1254 (4)	8.278	269805	66.718	ng/ml
40)	Aroclor 1254 (5)	8.612	2328672	561.392	ng/ml
41)	Aroclor 1254 (6)	8.829	320220	267.357	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	1825320	475.928	ng/ml
44)	Aroclor 1260 (2)	8.380	2249587	480.152	ng/ml
45)	Aroclor 1260 (3)	8.612	2328672	499.848	ng/ml
46)	Aroclor 1260 (4)	9.097	3854937	512.263	ng/ml
47)	Aroclor 1260 (5)	9.359	2156449	494.022	ng/ml
48)	Aroclor 1260 (6)	9.929	801830	471.093	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	2249587	567.227	ng/ml
51)	Aroclor 1262 (2)	8.681	1679195	294.315	ng/ml
52)	Aroclor 1262 (3)	8.858	1709392	370.551	ng/ml
53)	Aroclor 1262 (4)	9.097	3854937	405.494	ng/ml
54)	Aroclor 1262 (5)	9.359	2156449	375.272	ng/ml
55)	Aroclor 1262 (6)	9.929	801830	316.195	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	128014	56.439	ng/ml
58)	Aroclor 1268 (2)	9.359	2156449	210.701	ng/ml
59)	Aroclor 1268 (3)	9.423	846407	104.644	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

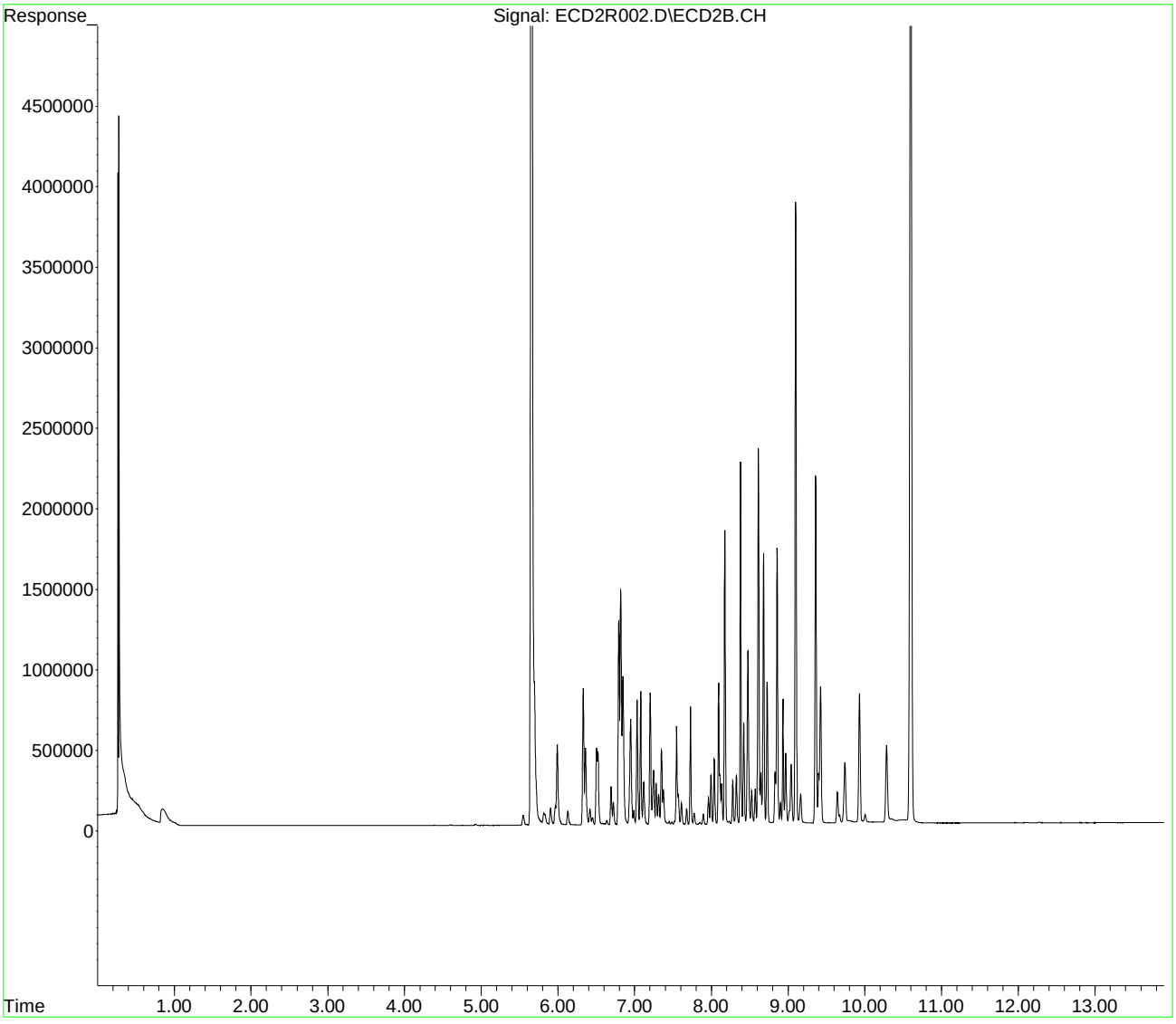
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	190065	26.800	ng/ml
61)	Aroclor 1268 (5)	9.929	801830	313.336	ng/ml
62)	Aroclor 1268 (6)	10.283	475423	25.909	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm JC 5/17/21
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	14812389	213.416	ng/ml
64) S	DCBP (S)	10.599	8296235	238.213	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	849676	405.697	ng/ml
3)	Aroclor 1016 (2)	6.819	1451733	397.894	ng/ml
4)	Aroclor 1016 (3)	6.947	655021	389.972	ng/ml
5)	Aroclor 1016 (4)	7.032	774943	450.626	ng/ml
6)	Aroclor 1016 (5)	7.078	824739	428.922	ng/ml
7)	Aroclor 1016 (6)	7.203	817230	427.814	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.817	74336	148.134	ng/ml
10)	Aroclor 1221 (2)	5.905	105599	210.929	ng/ml
11)	Aroclor 1221 (3)	5.993	497395	292.807	ng/ml
12)	Aroclor 1221 (4)	6.503	476701	1382.135	ng/ml
13)	Aroclor 1221 (5)	6.819	1451733	5585.058	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	497395	366.385	ng/ml
16)	Aroclor 1232 (2)	6.329	849676	991.379	ng/ml
17)	Aroclor 1232 (3)	6.819	1451733	1009.937	ng/ml
18)	Aroclor 1232 (4)	7.032	774943	1363.455	ng/ml
19)	Aroclor 1232 (5)	7.078	824739	1236.757	ng/ml
20)	Aroclor 1232 (6)	7.203	817230	1187.602	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	849676	523.379	ng/ml
23)	Aroclor 1242 (2)	6.819	1451733	518.577	ng/ml
24)	Aroclor 1242 (3)	6.947	655021	506.373	ng/ml
25)	Aroclor 1242 (4)	7.032	774943	615.915	ng/ml
26)	Aroclor 1242 (5)	7.078	824739	573.761	ng/ml
27)	Aroclor 1242 (6)	7.203	817230	540.424	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	1266126	769.855	ng/ml
30)	Aroclor 1248 (2)	7.032	774943	349.458	ng/ml
31)	Aroclor 1248 (3)	7.078	824739	393.977	ng/ml
32)	Aroclor 1248 (4)	7.203	817230	325.700	ng/ml
33)	Aroclor 1248 (5)	7.568	187954	59.394	ng/ml
34)	Aroclor 1248 (6)	7.727	728460	257.218	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	608835	187.158	ng/ml
37)	Aroclor 1254 (2)	7.727	728460	139.983	ng/ml
38)	Aroclor 1254 (3)	8.038	403332	75.659	ng/ml
39)	Aroclor 1254 (4)	8.278	269805	66.718	ng/ml
40)	Aroclor 1254 (5)	8.612	2328672	561.392	ng/ml
41)	Aroclor 1254 (6)	8.829	320220	267.357	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	1825320	475.928	ng/ml
44)	Aroclor 1260 (2)	8.380	2249587	480.152	ng/ml
45)	Aroclor 1260 (3)	8.612	2328672	499.848	ng/ml
46)	Aroclor 1260 (4)	9.097	3854937	512.263	ng/ml
47)	Aroclor 1260 (5)	9.359	2156449	494.022	ng/ml
48)	Aroclor 1260 (6)	9.929	801830	471.093	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	2249587	567.227	ng/ml
51)	Aroclor 1262 (2)	8.681	1679195	294.315	ng/ml
52)	Aroclor 1262 (3)	8.858	1709392	370.551	ng/ml
53)	Aroclor 1262 (4)	9.097	3854937	405.494	ng/ml
54)	Aroclor 1262 (5)	9.359	2156449	375.272	ng/ml
55)	Aroclor 1262 (6)	9.929	801830	316.195	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	128014	56.439	ng/ml
58)	Aroclor 1268 (2)	9.359	2156449	210.701	ng/ml
59)	Aroclor 1268 (3)	9.423	846407	104.644	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

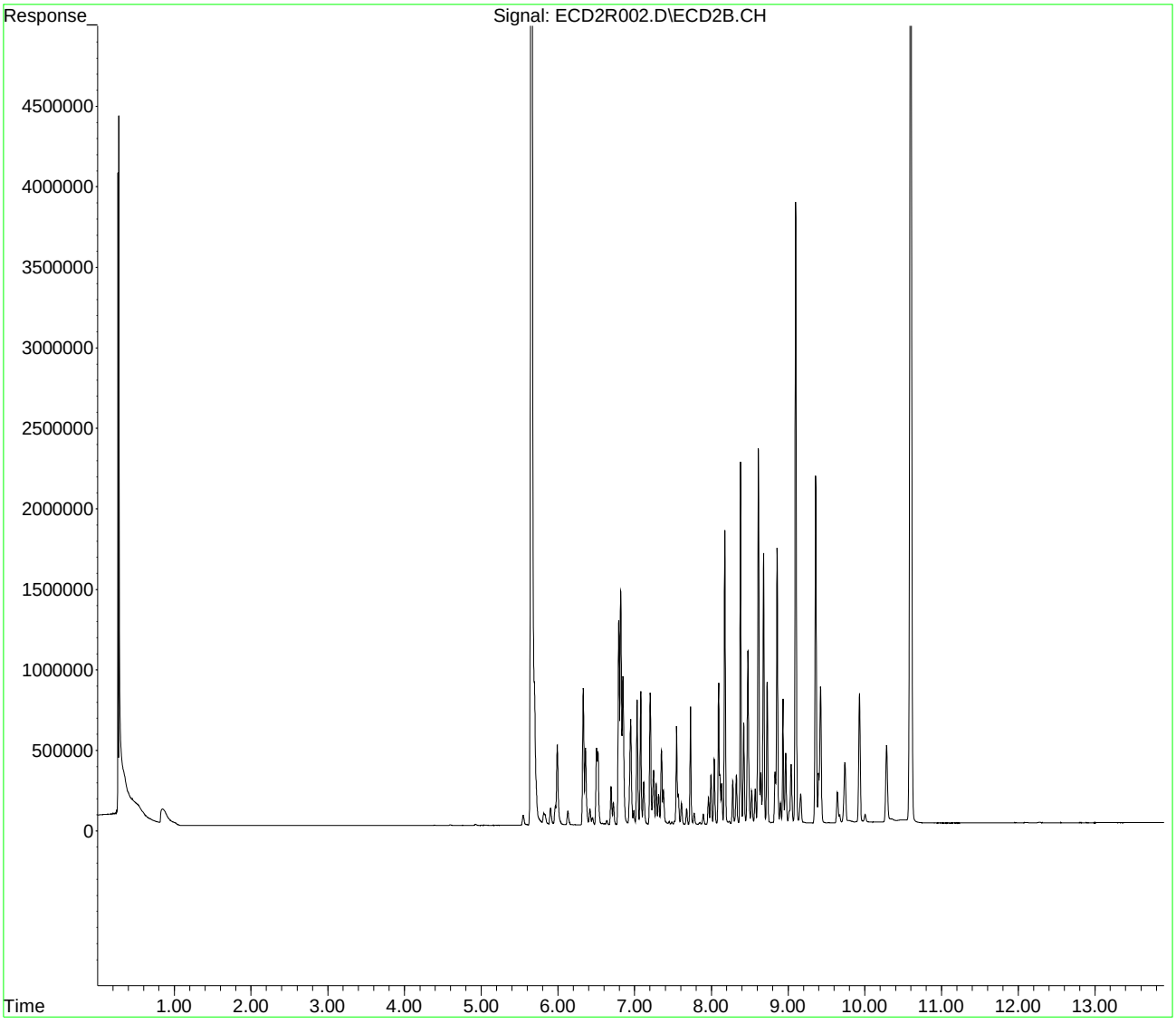
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	190065	26.800	ng/ml
61)	Aroclor 1268 (5)	9.929	801830	313.336	ng/ml
62)	Aroclor 1268 (6)	10.283	475423	25.909	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 4:52 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:47:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	5.655	5841429	84.163 ng/ml
64) S	DCBP (S)	10.597	3269045	93.865 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.347	731	0.349 ng/ml
3)	Aroclor 1016 (2)	6.806	975	0.267 ng/ml
4)	Aroclor 1016 (3)	6.948	235	0.140 ng/ml
5)	Aroclor 1016 (4)	7.039	379	0.220 ng/ml
6)	Aroclor 1016 (5)	7.070	135	0.070 ng/ml
7)	Aroclor 1016 (6)	7.210	407	0.213 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D. ng/ml
10)	Aroclor 1221 (2)	5.965f	49412	98.697 ng/ml
11)	Aroclor 1221 (3)	5.965	49412	29.088 ng/ml
12)	Aroclor 1221 (4)	6.515	372	1.077 ng/ml
13)	Aroclor 1221 (5)	6.806	975	3.751 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.965	49412	36.397 ng/ml
16)	Aroclor 1232 (2)	6.347	731	0.853 ng/ml
17)	Aroclor 1232 (3)	6.806	975	0.678 ng/ml
18)	Aroclor 1232 (4)	7.039	379	0.666 ng/ml
19)	Aroclor 1232 (5)	7.070	135	0.202 ng/ml
20)	Aroclor 1232 (6)	7.210	407	0.591 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.347	731	0.450 ng/ml
23)	Aroclor 1242 (2)	6.806	975	0.348 ng/ml
24)	Aroclor 1242 (3)	6.948	235	0.182 ng/ml
25)	Aroclor 1242 (4)	7.039	379	0.301 ng/ml
26)	Aroclor 1242 (5)	7.070	135	0.094 ng/ml
27)	Aroclor 1242 (6)	7.210	407	0.269 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.806	975	0.593 ng/ml
30)	Aroclor 1248 (2)	7.039	379	0.171 ng/ml
31)	Aroclor 1248 (3)	7.070	135	0.064 ng/ml
32)	Aroclor 1248 (4)	7.210	407	0.162 ng/ml
33)	Aroclor 1248 (5)	7.572	322	0.102 ng/ml
34)	Aroclor 1248 (6)	7.729	921	0.325 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.549	416	0.128 ng/ml
37)	Aroclor 1254 (2)	7.729	921	0.177 ng/ml
38)	Aroclor 1254 (3)	8.040	773	0.145 ng/ml
39)	Aroclor 1254 (4)	8.282	374	0.092 ng/ml
40)	Aroclor 1254 (5)	8.611	1747	0.421 ng/ml
41)	Aroclor 1254 (6)	8.824	358	0.299 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	733	0.191 ng/ml
44)	Aroclor 1260 (2)	8.381	1450	0.309 ng/ml
45)	Aroclor 1260 (3)	8.611	1747	0.375 ng/ml
46)	Aroclor 1260 (4)	9.098	976	0.130 ng/ml
47)	Aroclor 1260 (5)	9.362	2127	0.487 ng/ml
48)	Aroclor 1260 (6)	9.910	2124	1.248 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.381	1450	0.366 ng/ml
51)	Aroclor 1262 (2)	8.675	698	0.122 ng/ml
52)	Aroclor 1262 (3)	8.860	1158	0.251 ng/ml
53)	Aroclor 1262 (4)	9.098	976	0.103 ng/ml
54)	Aroclor 1262 (5)	9.362	2127	0.370 ng/ml
55)	Aroclor 1262 (6)	9.910	2124	0.837 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.903	1026	0.453 ng/ml
58)	Aroclor 1268 (2)	9.362	2127	0.208 ng/ml
59)	Aroclor 1268 (3)	9.428	3198	0.395 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

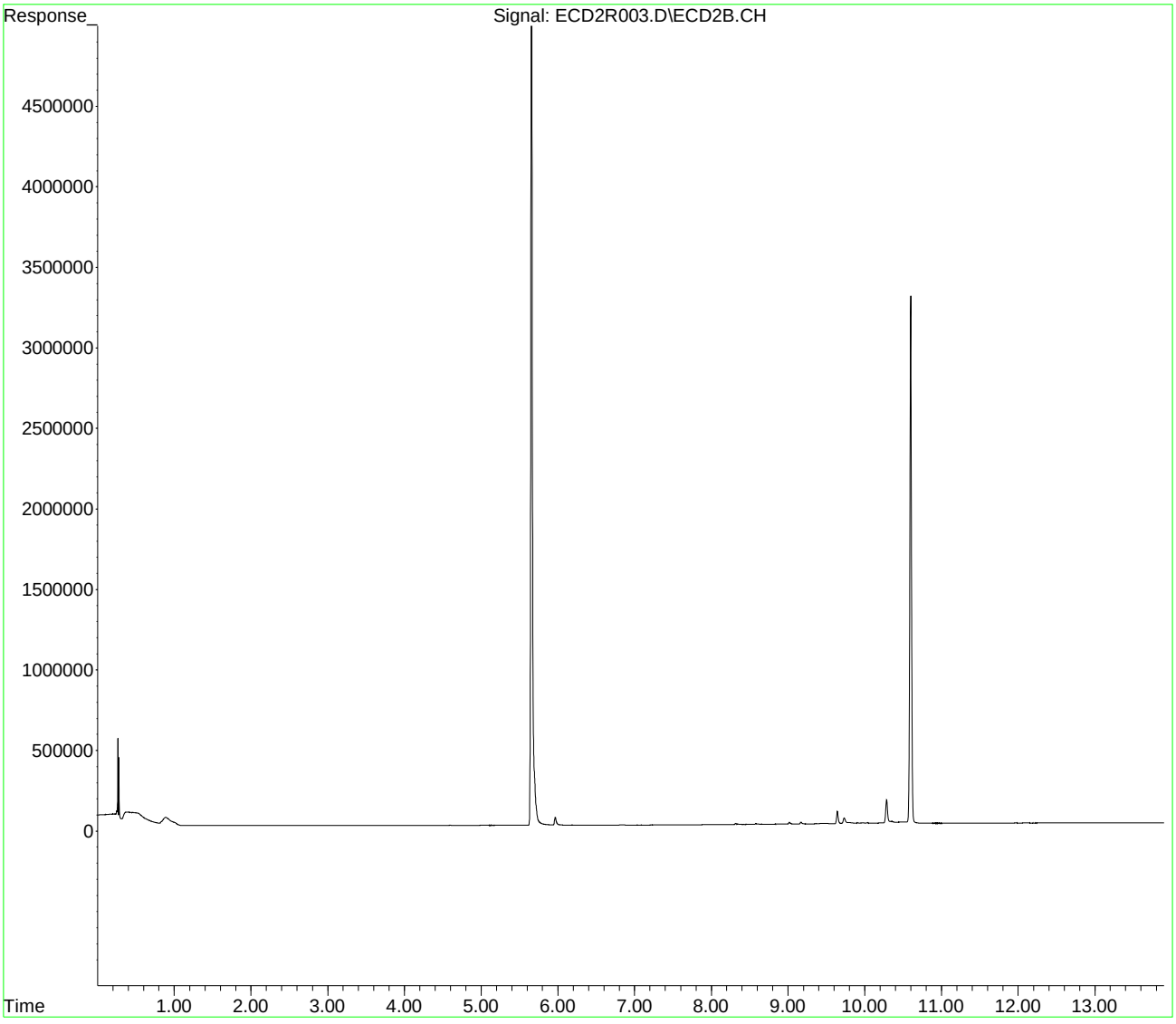
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	74864	10.556	ng/ml
61)	Aroclor 1268 (5)	9.910	2124	0.830	ng/ml
62)	Aroclor 1268 (6)	10.283	143033	7.795	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

JC 5/17/21

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	5841429	84.163	ng/ml
64) S	DCBP (S)	10.597	3269045	93.865	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.347	731	0.349	ng/ml
3)	Aroclor 1016 (2)	6.806	975	0.267	ng/ml
4)	Aroclor 1016 (3)	6.948	235	0.140	ng/ml
5)	Aroclor 1016 (4)	7.039	379	0.220	ng/ml
6)	Aroclor 1016 (5)	7.070	135	0.070	ng/ml
7)	Aroclor 1016 (6)	7.210	407	0.213	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/ml
10)	Aroclor 1221 (2)	5.965f	49412	98.697	ng/ml
11)	Aroclor 1221 (3)	5.965	49412	29.088	ng/ml
12)	Aroclor 1221 (4)	6.515	372	1.077	ng/ml
13)	Aroclor 1221 (5)	6.806	975	3.751	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.965	49412	36.397	ng/ml
16)	Aroclor 1232 (2)	6.347	731	0.853	ng/ml
17)	Aroclor 1232 (3)	6.806	975	0.678	ng/ml
18)	Aroclor 1232 (4)	7.039	379	0.666	ng/ml
19)	Aroclor 1232 (5)	7.070	135	0.202	ng/ml
20)	Aroclor 1232 (6)	7.210	407	0.591	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.347	731	0.450	ng/ml
23)	Aroclor 1242 (2)	6.806	975	0.348	ng/ml
24)	Aroclor 1242 (3)	6.948	235	0.182	ng/ml
25)	Aroclor 1242 (4)	7.039	379	0.301	ng/ml
26)	Aroclor 1242 (5)	7.070	135	0.094	ng/ml
27)	Aroclor 1242 (6)	7.210	407	0.269	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.806	975	0.593 ng/ml
30)	Aroclor 1248 (2)	7.039	379	0.171 ng/ml
31)	Aroclor 1248 (3)	7.070	135	0.064 ng/ml
32)	Aroclor 1248 (4)	7.210	407	0.162 ng/ml
33)	Aroclor 1248 (5)	7.572	322	0.102 ng/ml
34)	Aroclor 1248 (6)	7.729	921	0.325 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.549	416	0.128 ng/ml
37)	Aroclor 1254 (2)	7.729	921	0.177 ng/ml
38)	Aroclor 1254 (3)	8.040	773	0.145 ng/ml
39)	Aroclor 1254 (4)	8.282	374	0.092 ng/ml
40)	Aroclor 1254 (5)	8.611	1747	0.421 ng/ml
41)	Aroclor 1254 (6)	8.824	358	0.299 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	733	0.191 ng/ml
44)	Aroclor 1260 (2)	8.381	1450	0.309 ng/ml
45)	Aroclor 1260 (3)	8.611	1747	0.375 ng/ml
46)	Aroclor 1260 (4)	9.098	976	0.130 ng/ml
47)	Aroclor 1260 (5)	9.362	2127	0.487 ng/ml
48)	Aroclor 1260 (6)	9.910	2124	1.248 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.381	1450	0.366 ng/ml
51)	Aroclor 1262 (2)	8.675	698	0.122 ng/ml
52)	Aroclor 1262 (3)	8.860	1158	0.251 ng/ml
53)	Aroclor 1262 (4)	9.098	976	0.103 ng/ml
54)	Aroclor 1262 (5)	9.362	2127	0.370 ng/ml
55)	Aroclor 1262 (6)	9.910	2124	0.837 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.903	1026	0.453 ng/ml
58)	Aroclor 1268 (2)	9.362	2127	0.208 ng/ml
59)	Aroclor 1268 (3)	9.428	3198	0.395 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

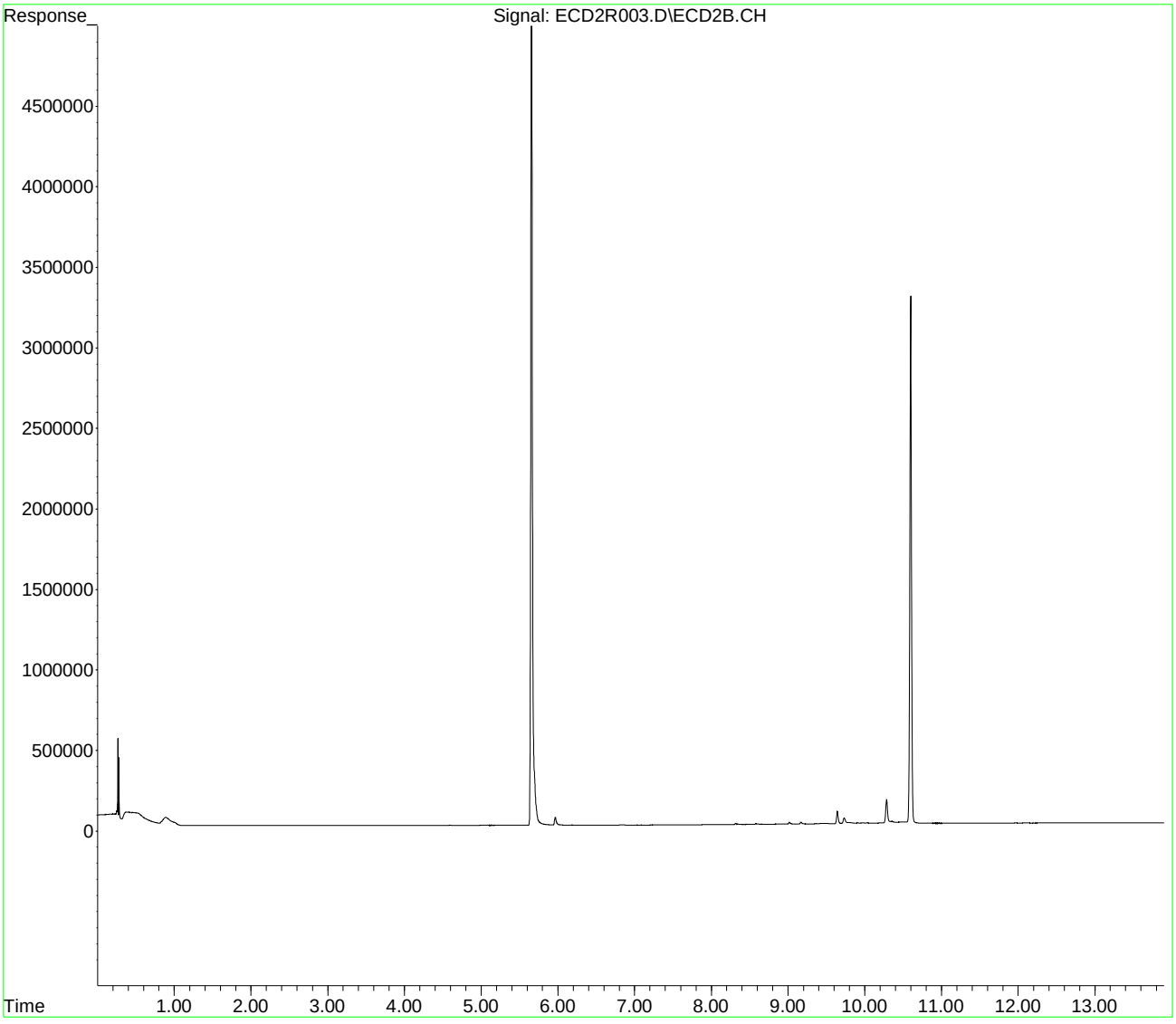
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	74864	10.556	ng/ml
61)	Aroclor 1268 (5)	9.910	2124	0.830	ng/ml
62)	Aroclor 1268 (6)	10.283	143033	7.795	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:10 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:06 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.654	11014735	158.700	ng/ml
64) S	DCBP (S)	10.599	6912242	198.474	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	2933	1.400	ng/ml
3)	Aroclor 1016 (2)	6.821	6053	1.659	ng/ml
4)	Aroclor 1016 (3)	6.948	2305	1.372	ng/ml
5)	Aroclor 1016 (4)	7.033	2776	1.614	ng/ml
6)	Aroclor 1016 (5)	7.078	2821	1.467	ng/ml
7)	Aroclor 1016 (6)	7.204	2499	1.308	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.890f	4099	8.167	ng/ml
10)	Aroclor 1221 (2)	5.911	3640	7.271	ng/ml
11)	Aroclor 1221 (3)	5.964	88932	52.353	ng/ml
12)	Aroclor 1221 (4)	6.502	1950	5.655	ng/ml
13)	Aroclor 1221 (5)	6.821	6053	23.286	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.964	88932	65.508	ng/ml
16)	Aroclor 1232 (2)	6.328	2933	3.422	ng/ml
17)	Aroclor 1232 (3)	6.821	6053	4.211	ng/ml
18)	Aroclor 1232 (4)	7.033	2776	4.884	ng/ml
19)	Aroclor 1232 (5)	7.078	2821	4.230	ng/ml
20)	Aroclor 1232 (6)	7.204	2499	3.632	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	2933	1.807	ng/ml
23)	Aroclor 1242 (2)	6.821	6053	2.162	ng/ml
24)	Aroclor 1242 (3)	6.948	2305	1.782	ng/ml
25)	Aroclor 1242 (4)	7.033	2776	2.206	ng/ml
26)	Aroclor 1242 (5)	7.078	2821	1.963	ng/ml
27)	Aroclor 1242 (6)	7.204	2499	1.653	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.792	4608	2.802 ng/ml
30)	Aroclor 1248 (2)	7.033	2776	1.252 ng/ml
31)	Aroclor 1248 (3)	7.078	2821	1.348 ng/ml
32)	Aroclor 1248 (4)	7.204	2499	0.996 ng/ml
33)	Aroclor 1248 (5)	7.570	4424	1.398 ng/ml
34)	Aroclor 1248 (6)	7.728	6414	2.265 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.549	2642	0.812 ng/ml
37)	Aroclor 1254 (2)	7.728	6414	1.232 ng/ml
38)	Aroclor 1254 (3)	8.039	5244	0.984 ng/ml
39)	Aroclor 1254 (4)	8.278	6639	1.642 ng/ml
40)	Aroclor 1254 (5)	8.612	8013	1.932 ng/ml
41)	Aroclor 1254 (6)	8.859	3018	2.520 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	3653	0.953 ng/ml
44)	Aroclor 1260 (2)	8.380	8355	1.783 ng/ml
45)	Aroclor 1260 (3)	8.612	8013	1.720 ng/ml
46)	Aroclor 1260 (4)	9.098	6282	0.835 ng/ml
47)	Aroclor 1260 (5)	9.361	5235	1.199 ng/ml
48)	Aroclor 1260 (6)	9.909	5901	3.467 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.380	8355	2.107 ng/ml
51)	Aroclor 1262 (2)	8.681	2763	0.484 ng/ml
52)	Aroclor 1262 (3)	8.859	3018	0.654 ng/ml
53)	Aroclor 1262 (4)	9.098	6282	0.661 ng/ml
54)	Aroclor 1262 (5)	9.361	5235	0.911 ng/ml
55)	Aroclor 1262 (6)	9.909	5901	2.327 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.902	1454	0.641 ng/ml
58)	Aroclor 1268 (2)	9.361	5235	0.511 ng/ml
59)	Aroclor 1268 (3)	9.426	3541	0.438 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

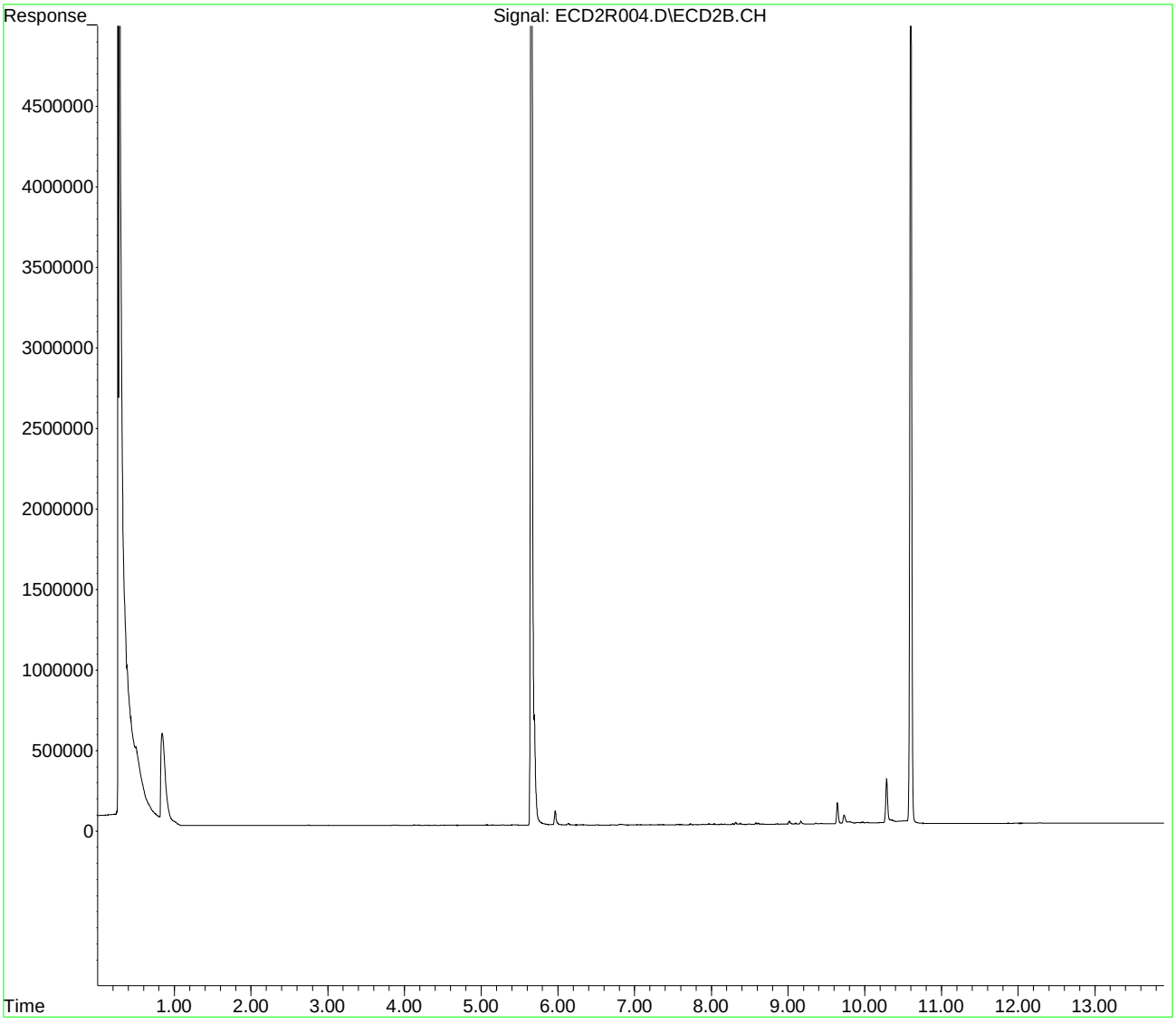
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	130571	18.411	ng/ml
61)	Aroclor 1268 (5)	9.909	5901	2.306	ng/ml
62)	Aroclor 1268 (6)	10.284	274358	14.952	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

JC 5/17/21

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.654	11014735	158.700	ng/ml
64)	S DCBP (S)	10.599	6912242	198.474	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	2933	1.400	ng/ml
3)	Aroclor 1016 (2)	6.821	6053	1.659	ng/ml
4)	Aroclor 1016 (3)	6.948	2305	1.372	ng/ml
5)	Aroclor 1016 (4)	7.033	2776	1.614	ng/ml
6)	Aroclor 1016 (5)	7.078	2821	1.467	ng/ml
7)	Aroclor 1016 (6)	7.204	2499	1.308	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.890f	4099	8.167	ng/ml
10)	Aroclor 1221 (2)	5.911	3640	7.271	ng/ml
11)	Aroclor 1221 (3)	5.964	88932	52.353	ng/ml
12)	Aroclor 1221 (4)	6.502	1950	5.655	ng/ml
13)	Aroclor 1221 (5)	6.821	6053	23.286	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.964	88932	65.508	ng/ml
16)	Aroclor 1232 (2)	6.328	2933	3.422	ng/ml
17)	Aroclor 1232 (3)	6.821	6053	4.211	ng/ml
18)	Aroclor 1232 (4)	7.033	2776	4.884	ng/ml
19)	Aroclor 1232 (5)	7.078	2821	4.230	ng/ml
20)	Aroclor 1232 (6)	7.204	2499	3.632	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	2933	1.807	ng/ml
23)	Aroclor 1242 (2)	6.821	6053	2.162	ng/ml
24)	Aroclor 1242 (3)	6.948	2305	1.782	ng/ml
25)	Aroclor 1242 (4)	7.033	2776	2.206	ng/ml
26)	Aroclor 1242 (5)	7.078	2821	1.963	ng/ml
27)	Aroclor 1242 (6)	7.204	2499	1.653	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm JC 5/17/21
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.792	4608	2.802 ng/ml
30)	Aroclor 1248 (2)	7.033	2776	1.252 ng/ml
31)	Aroclor 1248 (3)	7.078	2821	1.348 ng/ml
32)	Aroclor 1248 (4)	7.204	2499	0.996 ng/ml
33)	Aroclor 1248 (5)	7.570	4424	1.398 ng/ml
34)	Aroclor 1248 (6)	7.728	6414	2.265 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.549	2642	0.812 ng/ml
37)	Aroclor 1254 (2)	7.728	6414	1.232 ng/ml
38)	Aroclor 1254 (3)	8.039	5244	0.984 ng/ml
39)	Aroclor 1254 (4)	8.278	6639	1.642 ng/ml
40)	Aroclor 1254 (5)	8.612	8013	1.932 ng/ml
41)	Aroclor 1254 (6)	8.859	3018	2.520 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	3653	0.953 ng/ml
44)	Aroclor 1260 (2)	8.380	8355	1.783 ng/ml
45)	Aroclor 1260 (3)	8.612	8013	1.720 ng/ml
46)	Aroclor 1260 (4)	9.098	6282	0.835 ng/ml
47)	Aroclor 1260 (5)	9.361	5235	1.199 ng/ml
48)	Aroclor 1260 (6)	9.909	5901	3.467 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.380	8355	2.107 ng/ml
51)	Aroclor 1262 (2)	8.681	2763	0.484 ng/ml
52)	Aroclor 1262 (3)	8.859	3018	0.654 ng/ml
53)	Aroclor 1262 (4)	9.098	6282	0.661 ng/ml
54)	Aroclor 1262 (5)	9.361	5235	0.911 ng/ml
55)	Aroclor 1262 (6)	9.909	5901	2.327 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.902	1454	0.641 ng/ml
58)	Aroclor 1268 (2)	9.361	5235	0.511 ng/ml
59)	Aroclor 1268 (3)	9.426	3541	0.438 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

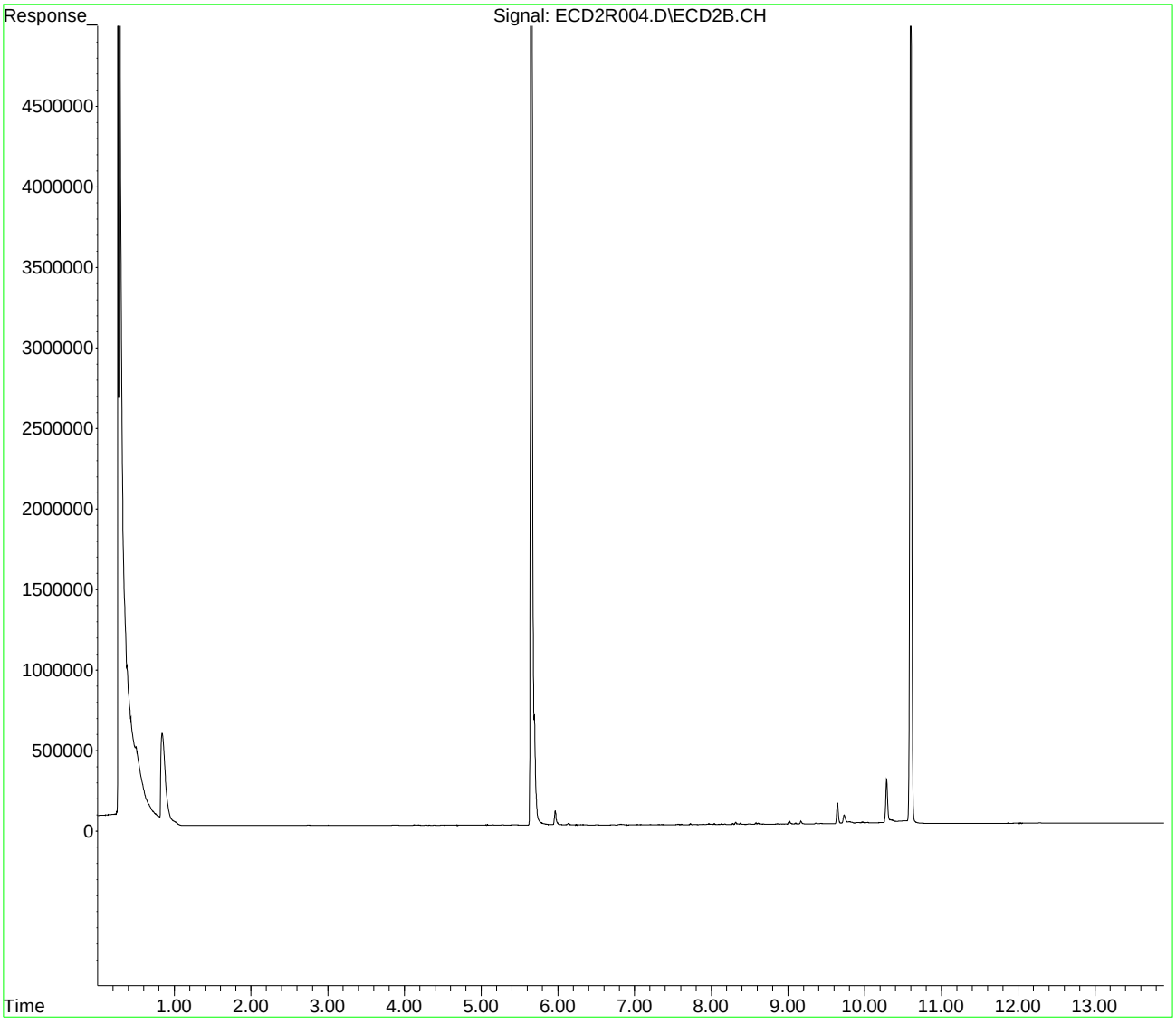
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	130571	18.411	ng/ml
61)	Aroclor 1268 (5)	9.909	5901	2.306	ng/ml
62)	Aroclor 1268 (6)	10.284	274358	14.952	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:38 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:48:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.656	10966570	158.006	ng/ml
64)	S DCBP (S)	10.596	7181740	206.212	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	1739925	830.767	ng/ml
3)	Aroclor 1016 (2)	6.820	3168557	868.445	ng/ml
4)	Aroclor 1016 (3)	6.947	1345507	801.059	ng/ml
5)	Aroclor 1016 (4)	7.033	1564803	909.927	ng/ml
6)	Aroclor 1016 (5)	7.078	1628942	847.163	ng/ml
7)	Aroclor 1016 (6)	7.204	1689006	884.182	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.819	124056	247.213	ng/ml
10)	Aroclor 1221 (2)	5.907	198561	396.616	ng/ml
11)	Aroclor 1221 (3)	5.994	968226	569.977	ng/ml
12)	Aroclor 1221 (4)	6.504	943223	2734.755	ng/ml
13)	Aroclor 1221 (5)	6.820	3168557	12189.963	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	968226	713.204	ng/ml
16)	Aroclor 1232 (2)	6.329	1739925	2030.097	ng/ml
17)	Aroclor 1232 (3)	6.820	3168557	2204.292	ng/ml
18)	Aroclor 1232 (4)	7.033	1564803	2753.156	ng/ml
19)	Aroclor 1232 (5)	7.078	1628942	2442.717	ng/ml
20)	Aroclor 1232 (6)	7.204	1689006	2454.472	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	1739925	1071.749	ng/ml
23)	Aroclor 1242 (2)	6.820	3168557	1131.847	ng/ml
24)	Aroclor 1242 (3)	6.947	1345507	1040.163	ng/ml
25)	Aroclor 1242 (4)	7.033	1564803	1243.685	ng/ml
26)	Aroclor 1242 (5)	7.078	1628942	1133.234	ng/ml
27)	Aroclor 1242 (6)	7.204	1689006	1116.919	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	2702229	1643.064	ng/ml
30)	Aroclor 1248 (2)	7.033	1564803	705.643	ng/ml
31)	Aroclor 1248 (3)	7.078	1628942	778.144	ng/ml
32)	Aroclor 1248 (4)	7.204	1689006	673.138	ng/ml
33)	Aroclor 1248 (5)	7.568	383625	121.227	ng/ml
34)	Aroclor 1248 (6)	7.727	1510089	533.209	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	1187521	365.049	ng/ml
37)	Aroclor 1254 (2)	7.727	1510089	290.183	ng/ml
38)	Aroclor 1254 (3)	8.038	779320	146.189	ng/ml
39)	Aroclor 1254 (4)	8.277	561413	138.828	ng/ml
40)	Aroclor 1254 (5)	8.613	4755398	1146.422	ng/ml
41)	Aroclor 1254 (6)	8.828	638690	533.253	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	3617898	943.318	ng/ml
44)	Aroclor 1260 (2)	8.379	4893344	1044.436	ng/ml
45)	Aroclor 1260 (3)	8.613	4755398	1020.742	ng/ml
46)	Aroclor 1260 (4)	9.097	8181311	1087.173	ng/ml
47)	Aroclor 1260 (5)	9.359	4503838	1031.786	ng/ml
48)	Aroclor 1260 (6)	9.928	1670242	981.304	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	4893344	1233.843	ng/ml
51)	Aroclor 1262 (2)	8.680	3538639	620.222	ng/ml
52)	Aroclor 1262 (3)	8.858	3298760	715.085	ng/ml
53)	Aroclor 1262 (4)	9.097	8181311	860.579	ng/ml
54)	Aroclor 1262 (5)	9.359	4503838	783.773	ng/ml
55)	Aroclor 1262 (6)	9.928	1670242	658.645	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	234822	103.529	ng/ml
58)	Aroclor 1268 (2)	9.359	4503838	440.059	ng/ml
59)	Aroclor 1268 (3)	9.423	1728743	213.731	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

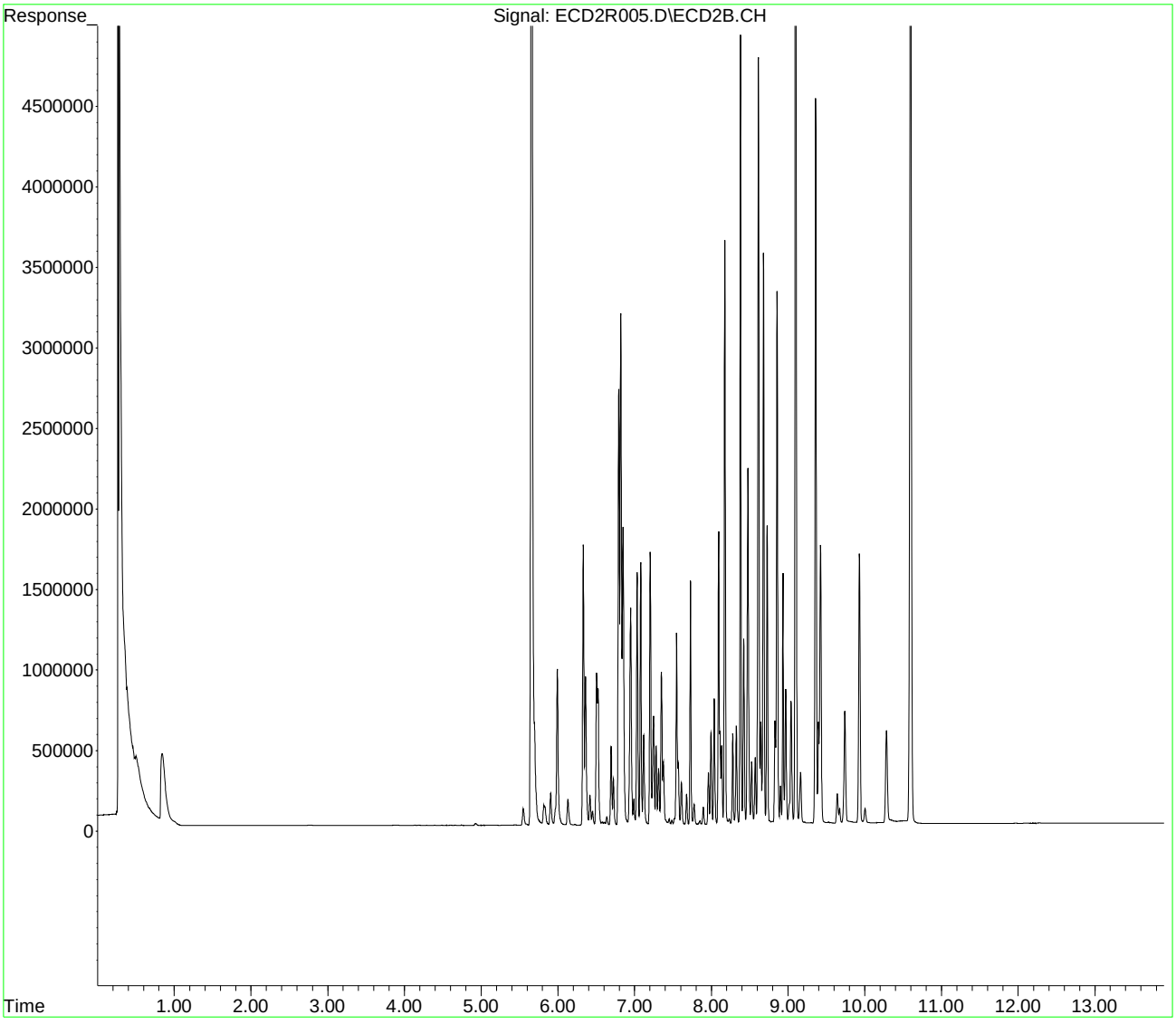
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	182898	25.789	ng/ml
61)	Aroclor 1268 (5)	9.928	1670242	652.689	ng/ml
62)	Aroclor 1268 (6)	10.282	570421	31.086	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

JC 5/17/21

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	10966570	158.006	ng/ml
64) S	DCBP (S)	10.596	7181740	206.212	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	1739925	830.767	ng/ml
3)	Aroclor 1016 (2)	6.820	3168557	868.445	ng/ml
4)	Aroclor 1016 (3)	6.947	1345507	801.059	ng/ml
5)	Aroclor 1016 (4)	7.033	1564803	909.927	ng/ml
6)	Aroclor 1016 (5)	7.078	1628942	847.163	ng/ml
7)	Aroclor 1016 (6)	7.204	1689006	884.182	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.819	124056	247.213	ng/ml
10)	Aroclor 1221 (2)	5.907	198561	396.616	ng/ml
11)	Aroclor 1221 (3)	5.994	968226	569.977	ng/ml
12)	Aroclor 1221 (4)	6.504	943223	2734.755	ng/ml
13)	Aroclor 1221 (5)	6.820	3168557	12189.963	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	968226	713.204	ng/ml
16)	Aroclor 1232 (2)	6.329	1739925	2030.097	ng/ml
17)	Aroclor 1232 (3)	6.820	3168557	2204.292	ng/ml
18)	Aroclor 1232 (4)	7.033	1564803	2753.156	ng/ml
19)	Aroclor 1232 (5)	7.078	1628942	2442.717	ng/ml
20)	Aroclor 1232 (6)	7.204	1689006	2454.472	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	1739925	1071.749	ng/ml
23)	Aroclor 1242 (2)	6.820	3168557	1131.847	ng/ml
24)	Aroclor 1242 (3)	6.947	1345507	1040.163	ng/ml
25)	Aroclor 1242 (4)	7.033	1564803	1243.685	ng/ml
26)	Aroclor 1242 (5)	7.078	1628942	1133.234	ng/ml
27)	Aroclor 1242 (6)	7.204	1689006	1116.919	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	2702229	1643.064	ng/ml
30)	Aroclor 1248 (2)	7.033	1564803	705.643	ng/ml
31)	Aroclor 1248 (3)	7.078	1628942	778.144	ng/ml
32)	Aroclor 1248 (4)	7.204	1689006	673.138	ng/ml
33)	Aroclor 1248 (5)	7.568	383625	121.227	ng/ml
34)	Aroclor 1248 (6)	7.727	1510089	533.209	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	1187521	365.049	ng/ml
37)	Aroclor 1254 (2)	7.727	1510089	290.183	ng/ml
38)	Aroclor 1254 (3)	8.038	779320	146.189	ng/ml
39)	Aroclor 1254 (4)	8.277	561413	138.828	ng/ml
40)	Aroclor 1254 (5)	8.613	4755398	1146.422	ng/ml
41)	Aroclor 1254 (6)	8.828	638690	533.253	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	3617898	943.318	ng/ml
44)	Aroclor 1260 (2)	8.379	4893344	1044.436	ng/ml
45)	Aroclor 1260 (3)	8.613	4755398	1020.742	ng/ml
46)	Aroclor 1260 (4)	9.097	8181311	1087.173	ng/ml
47)	Aroclor 1260 (5)	9.359	4503838	1031.786	ng/ml
48)	Aroclor 1260 (6)	9.928	1670242	981.304	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	4893344	1233.843	ng/ml
51)	Aroclor 1262 (2)	8.680	3538639	620.222	ng/ml
52)	Aroclor 1262 (3)	8.858	3298760	715.085	ng/ml
53)	Aroclor 1262 (4)	9.097	8181311	860.579	ng/ml
54)	Aroclor 1262 (5)	9.359	4503838	783.773	ng/ml
55)	Aroclor 1262 (6)	9.928	1670242	658.645	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	234822	103.529	ng/ml
58)	Aroclor 1268 (2)	9.359	4503838	440.059	ng/ml
59)	Aroclor 1268 (3)	9.423	1728743	213.731	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

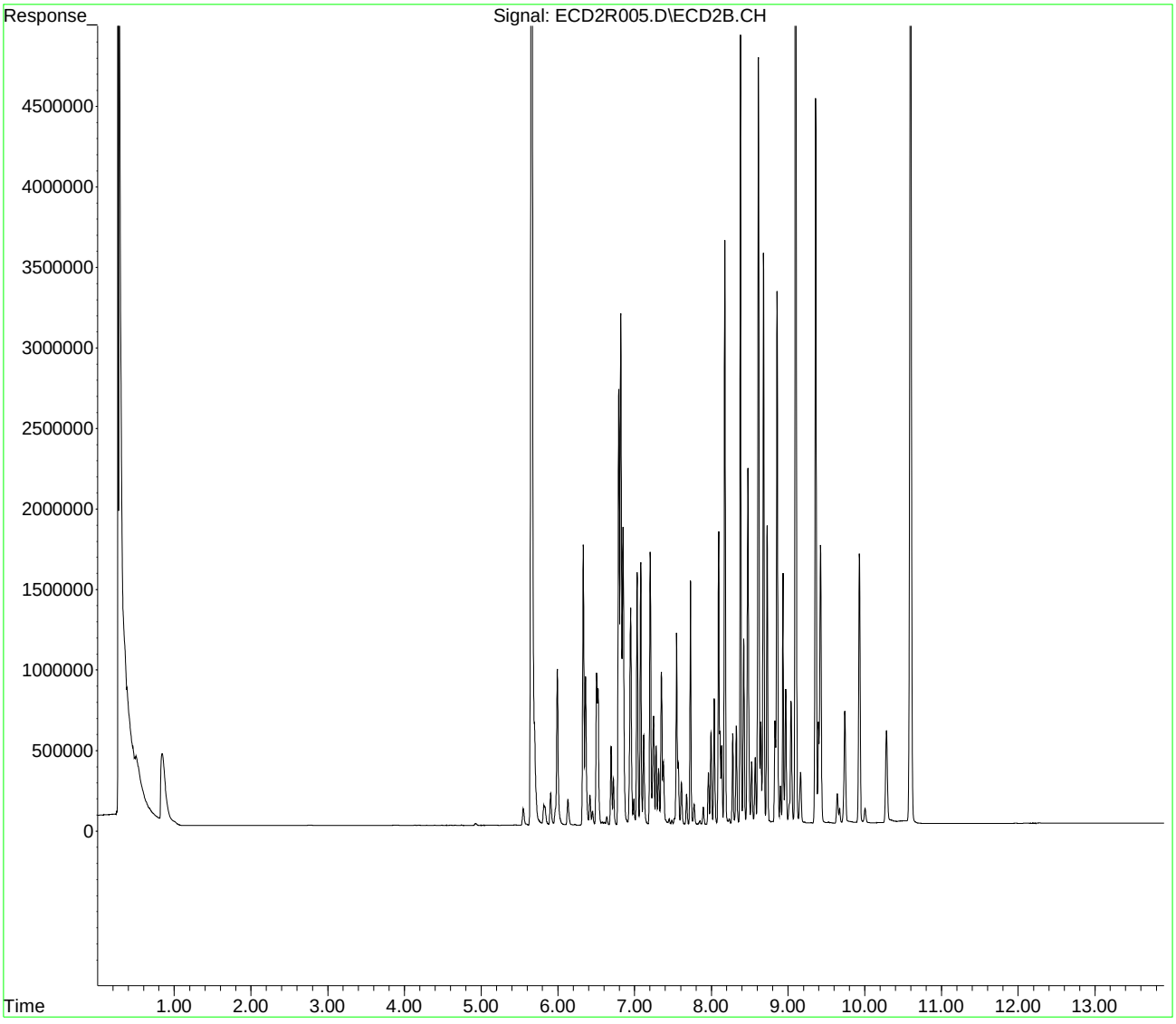
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	182898	25.789	ng/ml
61)	Aroclor 1268 (5)	9.928	1670242	652.689	ng/ml
62)	Aroclor 1268 (6)	10.282	570421	31.086	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 5:56 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:49:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.657	11345951	163.472	ng/ml
64) S	DCBP (S)	10.597	6443187	185.006	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	1676864	800.657	ng/ml
3)	Aroclor 1016 (2)	6.821	3192536	875.017	ng/ml
4)	Aroclor 1016 (3)	6.947	1366965	813.834	ng/ml
5)	Aroclor 1016 (4)	7.033	1503320	874.174	ng/ml
6)	Aroclor 1016 (5)	7.079	1723850	896.522	ng/ml
7)	Aroclor 1016 (6)	7.204	1710298	895.329	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.832	114344	227.860	ng/ml
10)	Aroclor 1221 (2)	5.906	195565	390.630	ng/ml
11)	Aroclor 1221 (3)	5.994	964566	567.822	ng/ml
12)	Aroclor 1221 (4)	6.504	895190	2595.490	ng/ml
13)	Aroclor 1221 (5)	6.821	3192536	12282.214	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	964566	710.508	ng/ml
16)	Aroclor 1232 (2)	6.329	1676864	1956.520	ng/ml
17)	Aroclor 1232 (3)	6.821	3192536	2220.974	ng/ml
18)	Aroclor 1232 (4)	7.033	1503320	2644.980	ng/ml
19)	Aroclor 1232 (5)	7.079	1723850	2585.039	ng/ml
20)	Aroclor 1232 (6)	7.204	1710298	2485.414	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	1676864	1032.905	ng/ml
23)	Aroclor 1242 (2)	6.821	3192536	1140.413	ng/ml
24)	Aroclor 1242 (3)	6.947	1366965	1056.751	ng/ml
25)	Aroclor 1242 (4)	7.033	1503320	1194.819	ng/ml
26)	Aroclor 1242 (5)	7.079	1723850	1199.261	ng/ml
27)	Aroclor 1242 (6)	7.204	1710298	1130.999	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.793	2683679	1631.785	ng/ml
30)	Aroclor 1248 (2)	7.033	1503320	677.917	ng/ml
31)	Aroclor 1248 (3)	7.079	1723850	823.481	ng/ml
32)	Aroclor 1248 (4)	7.204	1710298	681.624	ng/ml
33)	Aroclor 1248 (5)	7.568	384235	121.420	ng/ml
34)	Aroclor 1248 (6)	7.728	1539155	543.473	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	1272895	391.293	ng/ml
37)	Aroclor 1254 (2)	7.728	1539155	295.768	ng/ml
38)	Aroclor 1254 (3)	8.038	831010	155.885	ng/ml
39)	Aroclor 1254 (4)	8.277	587305	145.231	ng/ml
40)	Aroclor 1254 (5)	8.612	4963211	1196.521	ng/ml
41)	Aroclor 1254 (6)	8.829	686165	572.891	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	3859928	1006.424	ng/ml
44)	Aroclor 1260 (2)	8.380	4974947	1061.853	ng/ml
45)	Aroclor 1260 (3)	8.612	4963211	1065.349	ng/ml
46)	Aroclor 1260 (4)	9.097	8556969	1137.092	ng/ml
47)	Aroclor 1260 (5)	9.359	4688590	1074.111	ng/ml
48)	Aroclor 1260 (6)	9.928	1845368	1084.194	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	4974947	1254.419	ng/ml
51)	Aroclor 1262 (2)	8.680	3608347	632.440	ng/ml
52)	Aroclor 1262 (3)	8.859	3539432	767.256	ng/ml
53)	Aroclor 1262 (4)	9.097	8556969	900.093	ng/ml
54)	Aroclor 1262 (5)	9.359	4688590	815.924	ng/ml
55)	Aroclor 1262 (6)	9.928	1845368	727.704	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	252869	111.486	ng/ml
58)	Aroclor 1268 (2)	9.359	4688590	458.111	ng/ml
59)	Aroclor 1268 (3)	9.422	1871354	231.363	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

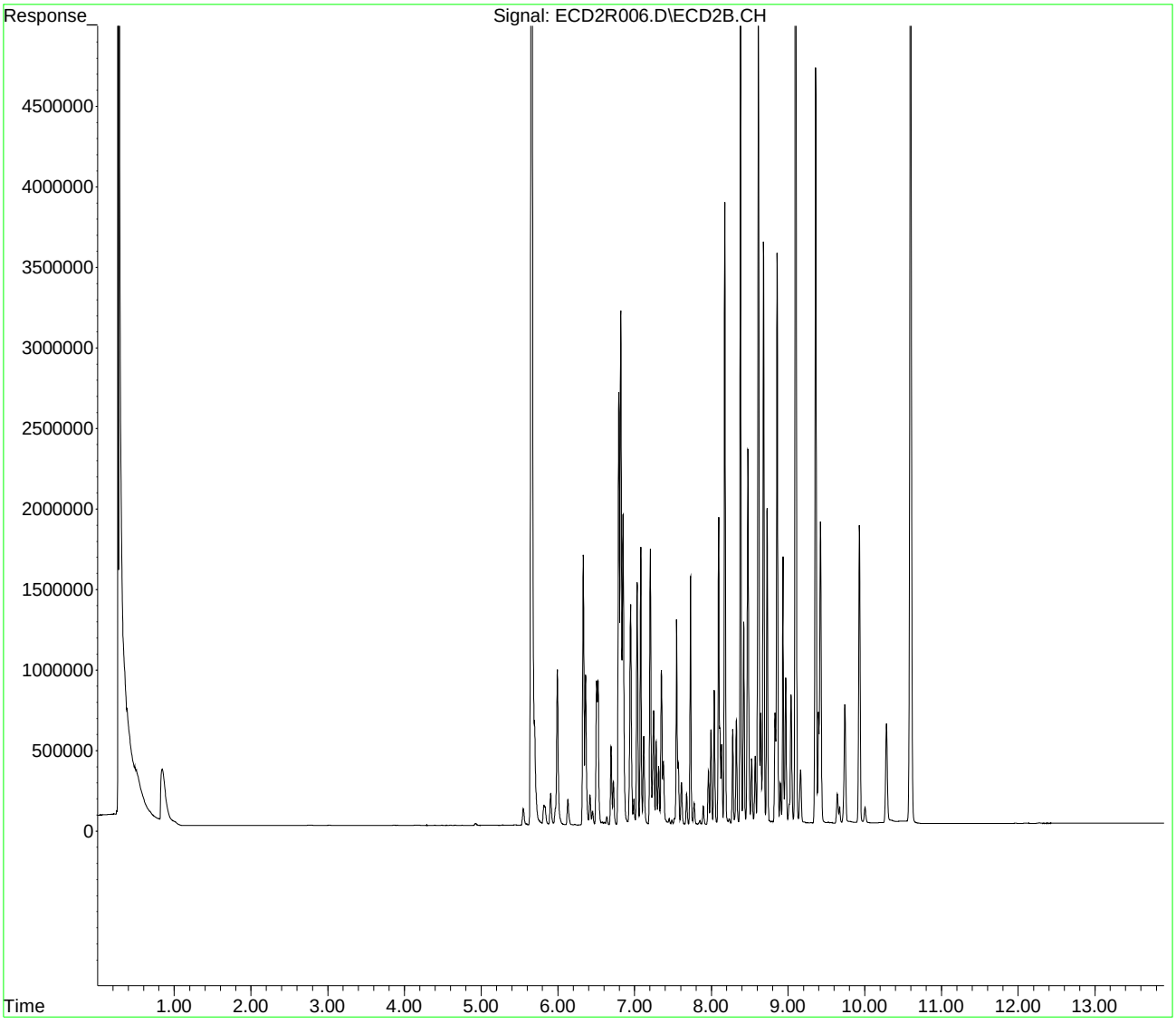
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	181745	25.627	ng/ml
61)	Aroclor 1268 (5)	9.928	1845368	721.124	ng/ml
62)	Aroclor 1268 (6)	10.281	614101	33.467	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

JC 5/17/21

Q-19

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.657	11345951	163.472	ng/ml
64) S	DCBP (S)	10.597	6443187	185.006	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	1676864	800.657	ng/ml
3)	Aroclor 1016 (2)	6.821	3192536	875.017	ng/ml
4)	Aroclor 1016 (3)	6.947	1366965	813.834	ng/ml
5)	Aroclor 1016 (4)	7.033	1503320	874.174	ng/ml
6)	Aroclor 1016 (5)	7.079	1723850	896.522	ng/ml
7)	Aroclor 1016 (6)	7.204	1710298	895.329	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.832	114344	227.860	ng/ml
10)	Aroclor 1221 (2)	5.906	195565	390.630	ng/ml
11)	Aroclor 1221 (3)	5.994	964566	567.822	ng/ml
12)	Aroclor 1221 (4)	6.504	895190	2595.490	ng/ml
13)	Aroclor 1221 (5)	6.821	3192536	12282.214	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	964566	710.508	ng/ml
16)	Aroclor 1232 (2)	6.329	1676864	1956.520	ng/ml
17)	Aroclor 1232 (3)	6.821	3192536	2220.974	ng/ml
18)	Aroclor 1232 (4)	7.033	1503320	2644.980	ng/ml
19)	Aroclor 1232 (5)	7.079	1723850	2585.039	ng/ml
20)	Aroclor 1232 (6)	7.204	1710298	2485.414	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	1676864	1032.905	ng/ml
23)	Aroclor 1242 (2)	6.821	3192536	1140.413	ng/ml
24)	Aroclor 1242 (3)	6.947	1366965	1056.751	ng/ml
25)	Aroclor 1242 (4)	7.033	1503320	1194.819	ng/ml
26)	Aroclor 1242 (5)	7.079	1723850	1199.261	ng/ml
27)	Aroclor 1242 (6)	7.204	1710298	1130.999	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.793	2683679	1631.785	ng/ml
30)	Aroclor 1248 (2)	7.033	1503320	677.917	ng/ml
31)	Aroclor 1248 (3)	7.079	1723850	823.481	ng/ml
32)	Aroclor 1248 (4)	7.204	1710298	681.624	ng/ml
33)	Aroclor 1248 (5)	7.568	384235	121.420	ng/ml
34)	Aroclor 1248 (6)	7.728	1539155	543.473	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	1272895	391.293	ng/ml
37)	Aroclor 1254 (2)	7.728	1539155	295.768	ng/ml
38)	Aroclor 1254 (3)	8.038	831010	155.885	ng/ml
39)	Aroclor 1254 (4)	8.277	587305	145.231	ng/ml
40)	Aroclor 1254 (5)	8.612	4963211	1196.521	ng/ml
41)	Aroclor 1254 (6)	8.829	686165	572.891	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	3859928	1006.424	ng/ml
44)	Aroclor 1260 (2)	8.380	4974947	1061.853	ng/ml
45)	Aroclor 1260 (3)	8.612	4963211	1065.349	ng/ml
46)	Aroclor 1260 (4)	9.097	8556969	1137.092	ng/ml
47)	Aroclor 1260 (5)	9.359	4688590	1074.111	ng/ml
48)	Aroclor 1260 (6)	9.928	1845368	1084.194	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	4974947	1254.419	ng/ml
51)	Aroclor 1262 (2)	8.680	3608347	632.440	ng/ml
52)	Aroclor 1262 (3)	8.859	3539432	767.256	ng/ml
53)	Aroclor 1262 (4)	9.097	8556969	900.093	ng/ml
54)	Aroclor 1262 (5)	9.359	4688590	815.924	ng/ml
55)	Aroclor 1262 (6)	9.928	1845368	727.704	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	252869	111.486	ng/ml
58)	Aroclor 1268 (2)	9.359	4688590	458.111	ng/ml
59)	Aroclor 1268 (3)	9.422	1871354	231.363	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

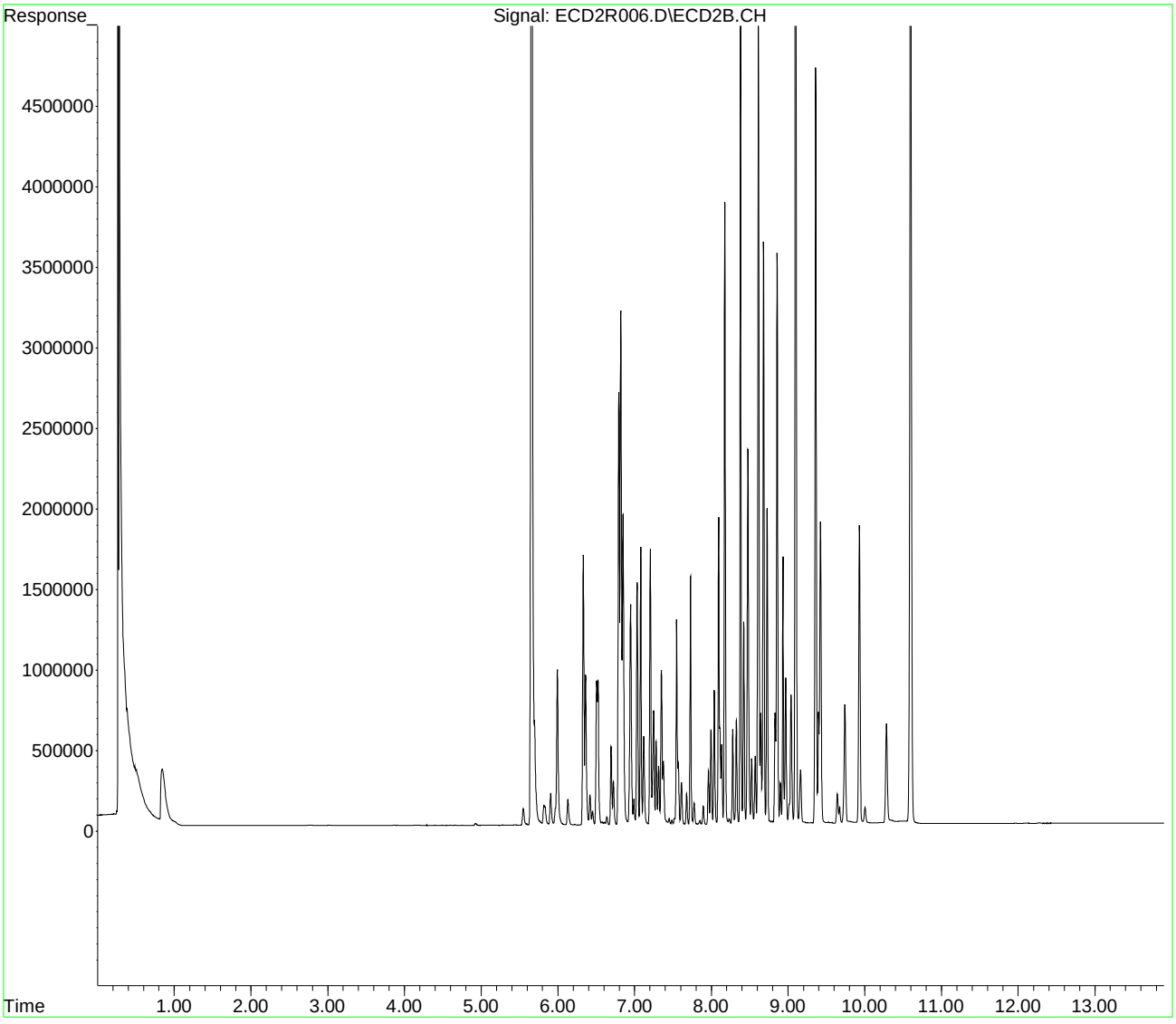
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	181745	25.627	ng/ml
61)	Aroclor 1268 (5)	9.928	1845368	721.124	ng/ml
62)	Aroclor 1268 (6)	10.281	614101	33.467	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:14 pm
Operator : MJB/KAK/JGC
Sample : 1050502-BSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:50:24 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	11306028	162.896	ng/ml
64) S	DCBP (S)	10.595	6774681	194.524	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.327	1995	0.952	ng/ml
3)	Aroclor 1016 (2)	6.803	3673	1.007	ng/ml
4)	Aroclor 1016 (3)	6.955	1705	1.015	ng/ml
5)	Aroclor 1016 (4)	7.036	1746	1.016	ng/ml
6)	Aroclor 1016 (5)	7.081	1810	0.942	ng/ml
7)	Aroclor 1016 (6)	7.207	1631	0.854	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.886f	4615	9.196	ng/ml
10)	Aroclor 1221 (2)	5.886	4615	9.217	ng/ml
11)	Aroclor 1221 (3)	5.965	92181	54.265	ng/ml
12)	Aroclor 1221 (4)	6.503	1194	3.461	ng/ml
13)	Aroclor 1221 (5)	6.829	4691	18.048	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.965	92181	67.901	ng/ml
16)	Aroclor 1232 (2)	6.327	1995	2.327	ng/ml
17)	Aroclor 1232 (3)	6.829	4691	3.264	ng/ml
18)	Aroclor 1232 (4)	7.036	1746	3.073	ng/ml
19)	Aroclor 1232 (5)	7.081	1810	2.715	ng/ml
20)	Aroclor 1232 (6)	7.207	1631	2.370	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.327	1995	1.229	ng/ml
23)	Aroclor 1242 (2)	6.829	4691	1.676	ng/ml
24)	Aroclor 1242 (3)	6.955	1705	1.318	ng/ml
25)	Aroclor 1242 (4)	7.036	1746	1.388	ng/ml
26)	Aroclor 1242 (5)	7.081	1810	1.259	ng/ml
27)	Aroclor 1242 (6)	7.207	1631	1.079	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.803	3673	2.233 ng/ml
30)	Aroclor 1248 (2)	7.036	1746	0.788 ng/ml
31)	Aroclor 1248 (3)	7.081	1810	0.865 ng/ml
32)	Aroclor 1248 (4)	7.207	1631	0.650 ng/ml
33)	Aroclor 1248 (5)	7.570	1905	0.602 ng/ml
34)	Aroclor 1248 (6)	7.728	3262	1.152 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.550	1528	0.470 ng/ml
37)	Aroclor 1254 (2)	7.728	3262	0.627 ng/ml
38)	Aroclor 1254 (3)	8.039	2420	0.454 ng/ml
39)	Aroclor 1254 (4)	8.278	2242	0.554 ng/ml
40)	Aroclor 1254 (5)	8.611	5126	1.236 ng/ml
41)	Aroclor 1254 (6)	8.858	2040	1.703 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	2677	0.698 ng/ml
44)	Aroclor 1260 (2)	8.379	5262	1.123 ng/ml
45)	Aroclor 1260 (3)	8.611	5126	1.100 ng/ml
46)	Aroclor 1260 (4)	9.097	3993	0.531 ng/ml
47)	Aroclor 1260 (5)	9.360	4299	0.985 ng/ml
48)	Aroclor 1260 (6)	9.905	3613	2.123 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.379	5262	1.327 ng/ml
51)	Aroclor 1262 (2)	8.679	1933	0.339 ng/ml
52)	Aroclor 1262 (3)	8.858	2040	0.442 ng/ml
53)	Aroclor 1262 (4)	9.097	3993	0.420 ng/ml
54)	Aroclor 1262 (5)	9.360	4299	0.748 ng/ml
55)	Aroclor 1262 (6)	9.905	3613	1.425 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.902	1028	0.453 ng/ml
58)	Aroclor 1268 (2)	9.360	4299	0.420 ng/ml
59)	Aroclor 1268 (3)	9.425	3908	0.483 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

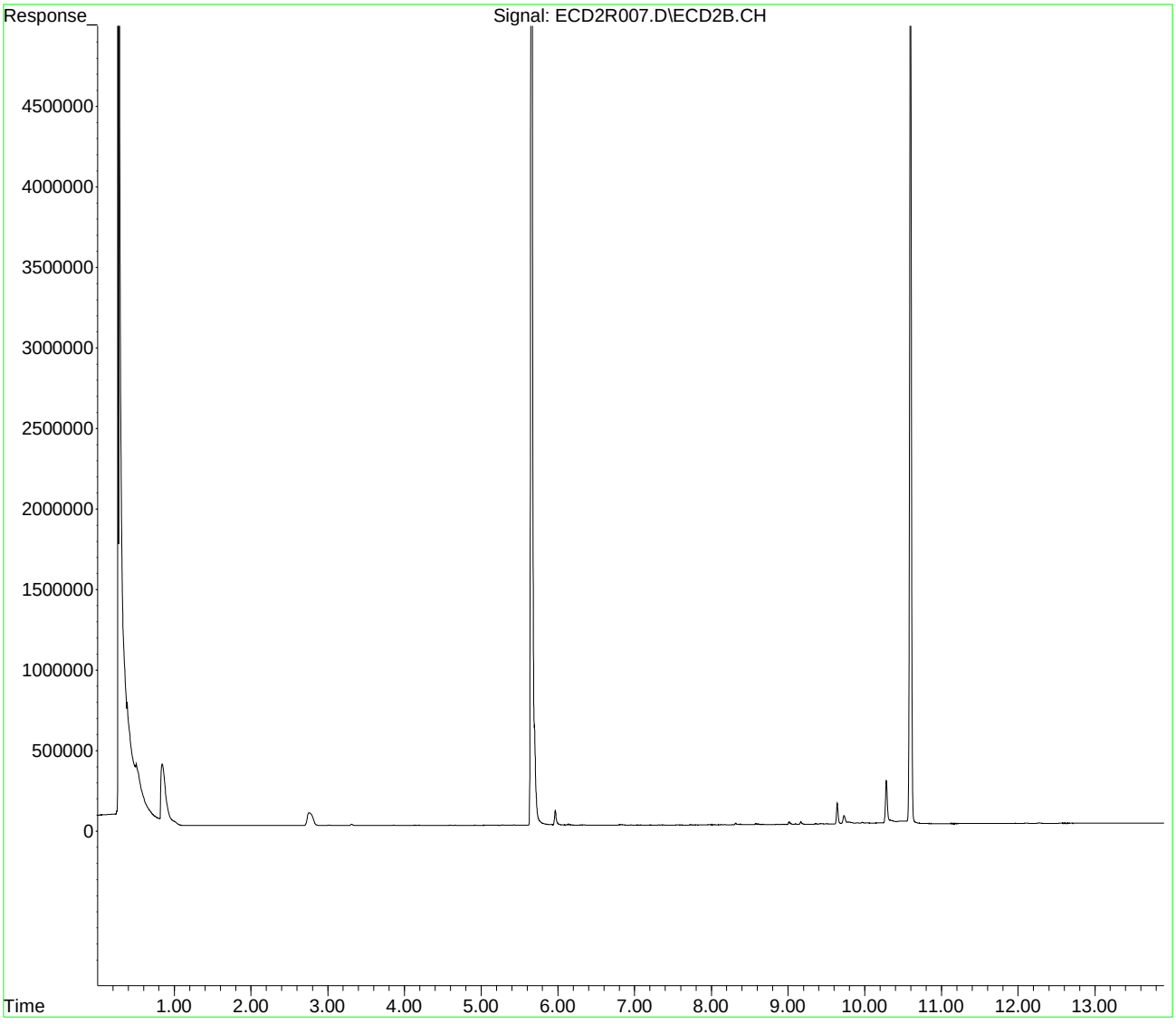
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	129680	18.286	ng/ml
61)	Aroclor 1268 (5)	9.905	3613	1.412	ng/ml
62)	Aroclor 1268 (6)	10.280	260993	14.223	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm JC 5/17/21
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	5.656	11306028	162.896 ng/ml
64) S	DCBP (S)	10.595	6774681	194.524 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.327	1995	0.952 ng/ml
3)	Aroclor 1016 (2)	6.803	3673	1.007 ng/ml
4)	Aroclor 1016 (3)	6.955	1705	1.015 ng/ml
5)	Aroclor 1016 (4)	7.036	1746	1.016 ng/ml
6)	Aroclor 1016 (5)	7.081	1810	0.942 ng/ml
7)	Aroclor 1016 (6)	7.207	1631	0.854 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.886f	4615	9.196 ng/ml
10)	Aroclor 1221 (2)	5.886	4615	9.217 ng/ml
11)	Aroclor 1221 (3)	5.965	92181	54.265 ng/ml
12)	Aroclor 1221 (4)	6.503	1194	3.461 ng/ml
13)	Aroclor 1221 (5)	6.829	4691	18.048 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.965	92181	67.901 ng/ml
16)	Aroclor 1232 (2)	6.327	1995	2.327 ng/ml
17)	Aroclor 1232 (3)	6.829	4691	3.264 ng/ml
18)	Aroclor 1232 (4)	7.036	1746	3.073 ng/ml
19)	Aroclor 1232 (5)	7.081	1810	2.715 ng/ml
20)	Aroclor 1232 (6)	7.207	1631	2.370 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.327	1995	1.229 ng/ml
23)	Aroclor 1242 (2)	6.829	4691	1.676 ng/ml
24)	Aroclor 1242 (3)	6.955	1705	1.318 ng/ml
25)	Aroclor 1242 (4)	7.036	1746	1.388 ng/ml
26)	Aroclor 1242 (5)	7.081	1810	1.259 ng/ml
27)	Aroclor 1242 (6)	7.207	1631	1.079 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.803	3673	2.233 ng/ml
30)	Aroclor 1248 (2)	7.036	1746	0.788 ng/ml
31)	Aroclor 1248 (3)	7.081	1810	0.865 ng/ml
32)	Aroclor 1248 (4)	7.207	1631	0.650 ng/ml
33)	Aroclor 1248 (5)	7.570	1905	0.602 ng/ml
34)	Aroclor 1248 (6)	7.728	3262	1.152 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.550	1528	0.470 ng/ml
37)	Aroclor 1254 (2)	7.728	3262	0.627 ng/ml
38)	Aroclor 1254 (3)	8.039	2420	0.454 ng/ml
39)	Aroclor 1254 (4)	8.278	2242	0.554 ng/ml
40)	Aroclor 1254 (5)	8.611	5126	1.236 ng/ml
41)	Aroclor 1254 (6)	8.858	2040	1.703 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	2677	0.698 ng/ml
44)	Aroclor 1260 (2)	8.379	5262	1.123 ng/ml
45)	Aroclor 1260 (3)	8.611	5126	1.100 ng/ml
46)	Aroclor 1260 (4)	9.097	3993	0.531 ng/ml
47)	Aroclor 1260 (5)	9.360	4299	0.985 ng/ml
48)	Aroclor 1260 (6)	9.905	3613	2.123 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.379	5262	1.327 ng/ml
51)	Aroclor 1262 (2)	8.679	1933	0.339 ng/ml
52)	Aroclor 1262 (3)	8.858	2040	0.442 ng/ml
53)	Aroclor 1262 (4)	9.097	3993	0.420 ng/ml
54)	Aroclor 1262 (5)	9.360	4299	0.748 ng/ml
55)	Aroclor 1262 (6)	9.905	3613	1.425 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.902	1028	0.453 ng/ml
58)	Aroclor 1268 (2)	9.360	4299	0.420 ng/ml
59)	Aroclor 1268 (3)	9.425	3908	0.483 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

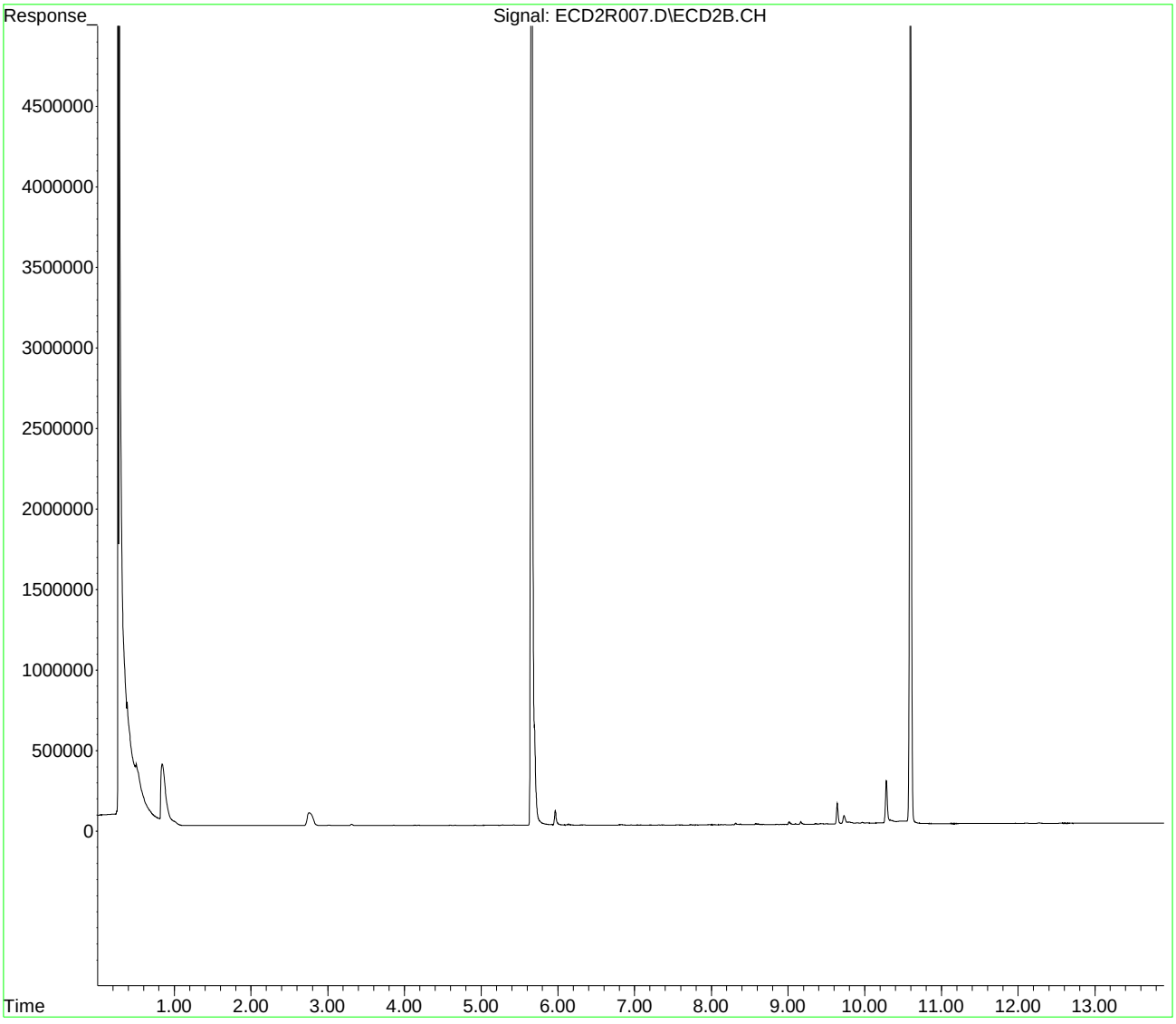
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	129680	18.286	ng/ml
61)	Aroclor 1268 (5)	9.905	3613	1.412	ng/ml
62)	Aroclor 1268 (6)	10.280	260993	14.223	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:32 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-01
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:10 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	11964521	172.384	ng/ml
64) S	DCBP (S)	10.595	5617713	161.304	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.327	1579	0.754	ng/ml
3)	Aroclor 1016 (2)	6.826	2843	0.779	ng/ml
4)	Aroclor 1016 (3)	6.953	1121	0.668	ng/ml
5)	Aroclor 1016 (4)	7.035	1059	0.616	ng/ml
6)	Aroclor 1016 (5)	7.081	1099	0.571	ng/ml
7)	Aroclor 1016 (6)	7.206	956	0.500	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.903f	4137	8.244	ng/ml
10)	Aroclor 1221 (2)	5.903	4137	8.263	ng/ml
11)	Aroclor 1221 (3)	5.964	94722	55.761	ng/ml
12)	Aroclor 1221 (4)	6.505	994	2.881	ng/ml
13)	Aroclor 1221 (5)	6.826	2843	10.939	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.964	94722	69.773	ng/ml
16)	Aroclor 1232 (2)	6.327	1579	1.842	ng/ml
17)	Aroclor 1232 (3)	6.826	2843	1.978	ng/ml
18)	Aroclor 1232 (4)	7.035	1059	1.863	ng/ml
19)	Aroclor 1232 (5)	7.081	1099	1.647	ng/ml
20)	Aroclor 1232 (6)	7.206	956	1.389	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.327	1579	0.973	ng/ml
23)	Aroclor 1242 (2)	6.826	2843	1.016	ng/ml
24)	Aroclor 1242 (3)	6.953	1121	0.867	ng/ml
25)	Aroclor 1242 (4)	7.035	1059	0.842	ng/ml
26)	Aroclor 1242 (5)	7.081	1099	0.764	ng/ml
27)	Aroclor 1242 (6)	7.206	956	0.632	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.799	2294	1.395 ng/ml
30)	Aroclor 1248 (2)	7.035	1059	0.478 ng/ml
31)	Aroclor 1248 (3)	7.081	1099	0.525 ng/ml
32)	Aroclor 1248 (4)	7.206	956	0.381 ng/ml
33)	Aroclor 1248 (5)	7.570	1318	0.416 ng/ml
34)	Aroclor 1248 (6)	7.728	2090	0.738 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.548	998	0.307 ng/ml
37)	Aroclor 1254 (2)	7.728	2090	0.402 ng/ml
38)	Aroclor 1254 (3)	8.038	1794	0.337 ng/ml
39)	Aroclor 1254 (4)	8.277	1380	0.341 ng/ml
40)	Aroclor 1254 (5)	8.610	3116	0.751 ng/ml
41)	Aroclor 1254 (6)	8.857	1212	1.012 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.173	1634	0.426 ng/ml
44)	Aroclor 1260 (2)	8.378	3073	0.656 ng/ml
45)	Aroclor 1260 (3)	8.610	3116	0.669 ng/ml
46)	Aroclor 1260 (4)	9.097	1900	0.252 ng/ml
47)	Aroclor 1260 (5)	9.358	3205	0.734 ng/ml
48)	Aroclor 1260 (6)	9.927	2151	1.264 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.378	3073	0.775 ng/ml
51)	Aroclor 1262 (2)	8.680	1044	0.183 ng/ml
52)	Aroclor 1262 (3)	8.857	1212	0.263 ng/ml
53)	Aroclor 1262 (4)	9.097	1900	0.200 ng/ml
54)	Aroclor 1262 (5)	9.358	3205	0.558 ng/ml
55)	Aroclor 1262 (6)	9.927	2151	0.848 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.901	801	0.353 ng/ml
58)	Aroclor 1268 (2)	9.358	3205	0.313 ng/ml
59)	Aroclor 1268 (3)	9.425	3564	0.441 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

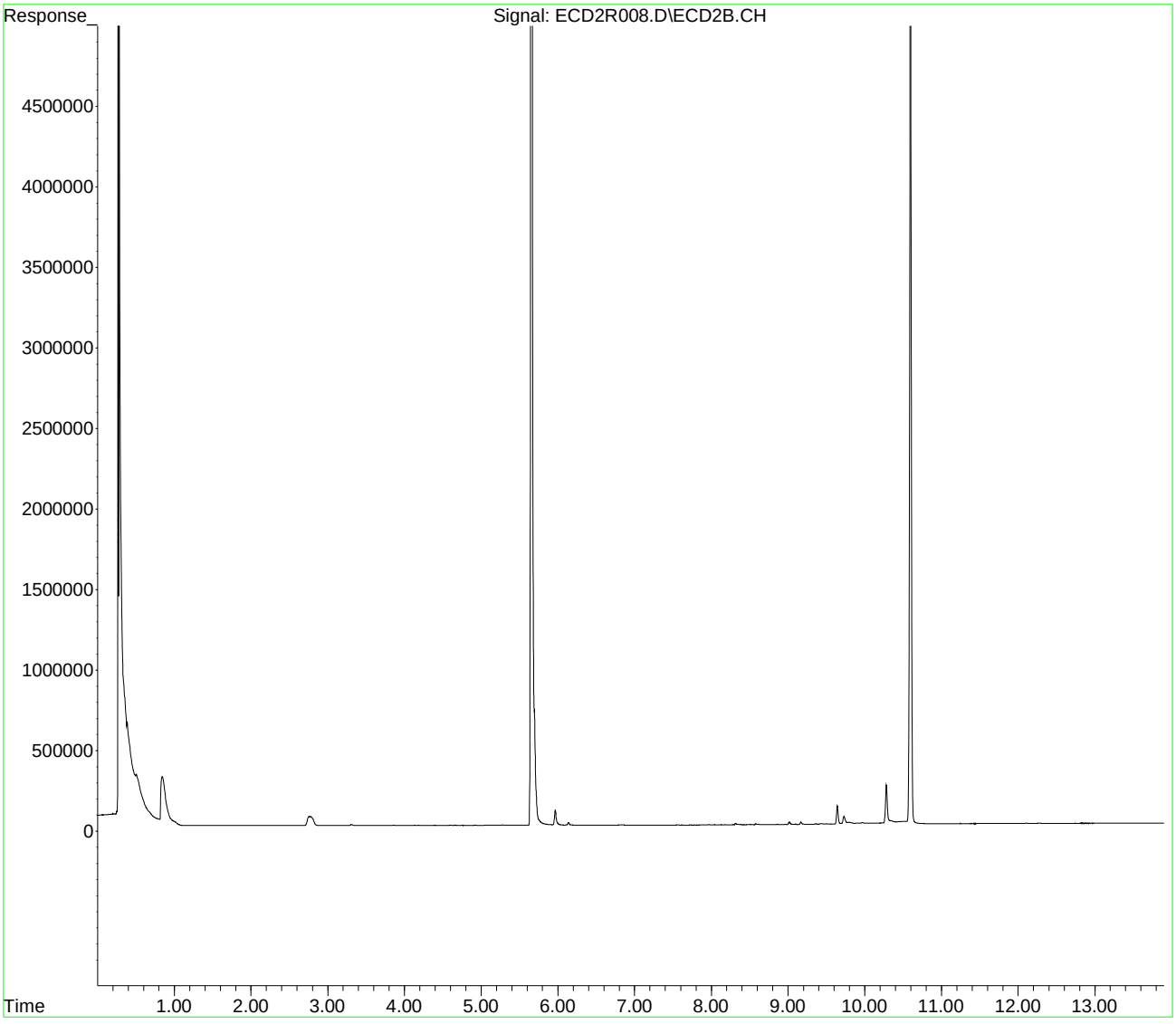
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	111777	15.761	ng/ml
61)	Aroclor 1268 (5)	9.927	2151	0.841	ng/ml
62)	Aroclor 1268 (6)	10.280	234649	12.788	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

JC 5/17/21

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	11964521	172.384	ng/ml
64) S	DCBP (S)	10.595	5617713	161.304	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.327	1579	0.754	ng/ml
3)	Aroclor 1016 (2)	6.826	2843	0.779	ng/ml
4)	Aroclor 1016 (3)	6.953	1121	0.668	ng/ml
5)	Aroclor 1016 (4)	7.035	1059	0.616	ng/ml
6)	Aroclor 1016 (5)	7.081	1099	0.571	ng/ml
7)	Aroclor 1016 (6)	7.206	956	0.500	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.903f	4137	8.244	ng/ml
10)	Aroclor 1221 (2)	5.903	4137	8.263	ng/ml
11)	Aroclor 1221 (3)	5.964	94722	55.761	ng/ml
12)	Aroclor 1221 (4)	6.505	994	2.881	ng/ml
13)	Aroclor 1221 (5)	6.826	2843	10.939	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.964	94722	69.773	ng/ml
16)	Aroclor 1232 (2)	6.327	1579	1.842	ng/ml
17)	Aroclor 1232 (3)	6.826	2843	1.978	ng/ml
18)	Aroclor 1232 (4)	7.035	1059	1.863	ng/ml
19)	Aroclor 1232 (5)	7.081	1099	1.647	ng/ml
20)	Aroclor 1232 (6)	7.206	956	1.389	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.327	1579	0.973	ng/ml
23)	Aroclor 1242 (2)	6.826	2843	1.016	ng/ml
24)	Aroclor 1242 (3)	6.953	1121	0.867	ng/ml
25)	Aroclor 1242 (4)	7.035	1059	0.842	ng/ml
26)	Aroclor 1242 (5)	7.081	1099	0.764	ng/ml
27)	Aroclor 1242 (6)	7.206	956	0.632	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.799	2294	1.395 ng/ml
30)	Aroclor 1248 (2)	7.035	1059	0.478 ng/ml
31)	Aroclor 1248 (3)	7.081	1099	0.525 ng/ml
32)	Aroclor 1248 (4)	7.206	956	0.381 ng/ml
33)	Aroclor 1248 (5)	7.570	1318	0.416 ng/ml
34)	Aroclor 1248 (6)	7.728	2090	0.738 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.548	998	0.307 ng/ml
37)	Aroclor 1254 (2)	7.728	2090	0.402 ng/ml
38)	Aroclor 1254 (3)	8.038	1794	0.337 ng/ml
39)	Aroclor 1254 (4)	8.277	1380	0.341 ng/ml
40)	Aroclor 1254 (5)	8.610	3116	0.751 ng/ml
41)	Aroclor 1254 (6)	8.857	1212	1.012 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.173	1634	0.426 ng/ml
44)	Aroclor 1260 (2)	8.378	3073	0.656 ng/ml
45)	Aroclor 1260 (3)	8.610	3116	0.669 ng/ml
46)	Aroclor 1260 (4)	9.097	1900	0.252 ng/ml
47)	Aroclor 1260 (5)	9.358	3205	0.734 ng/ml
48)	Aroclor 1260 (6)	9.927	2151	1.264 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.378	3073	0.775 ng/ml
51)	Aroclor 1262 (2)	8.680	1044	0.183 ng/ml
52)	Aroclor 1262 (3)	8.857	1212	0.263 ng/ml
53)	Aroclor 1262 (4)	9.097	1900	0.200 ng/ml
54)	Aroclor 1262 (5)	9.358	3205	0.558 ng/ml
55)	Aroclor 1262 (6)	9.927	2151	0.848 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.901	801	0.353 ng/ml
58)	Aroclor 1268 (2)	9.358	3205	0.313 ng/ml
59)	Aroclor 1268 (3)	9.425	3564	0.441 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

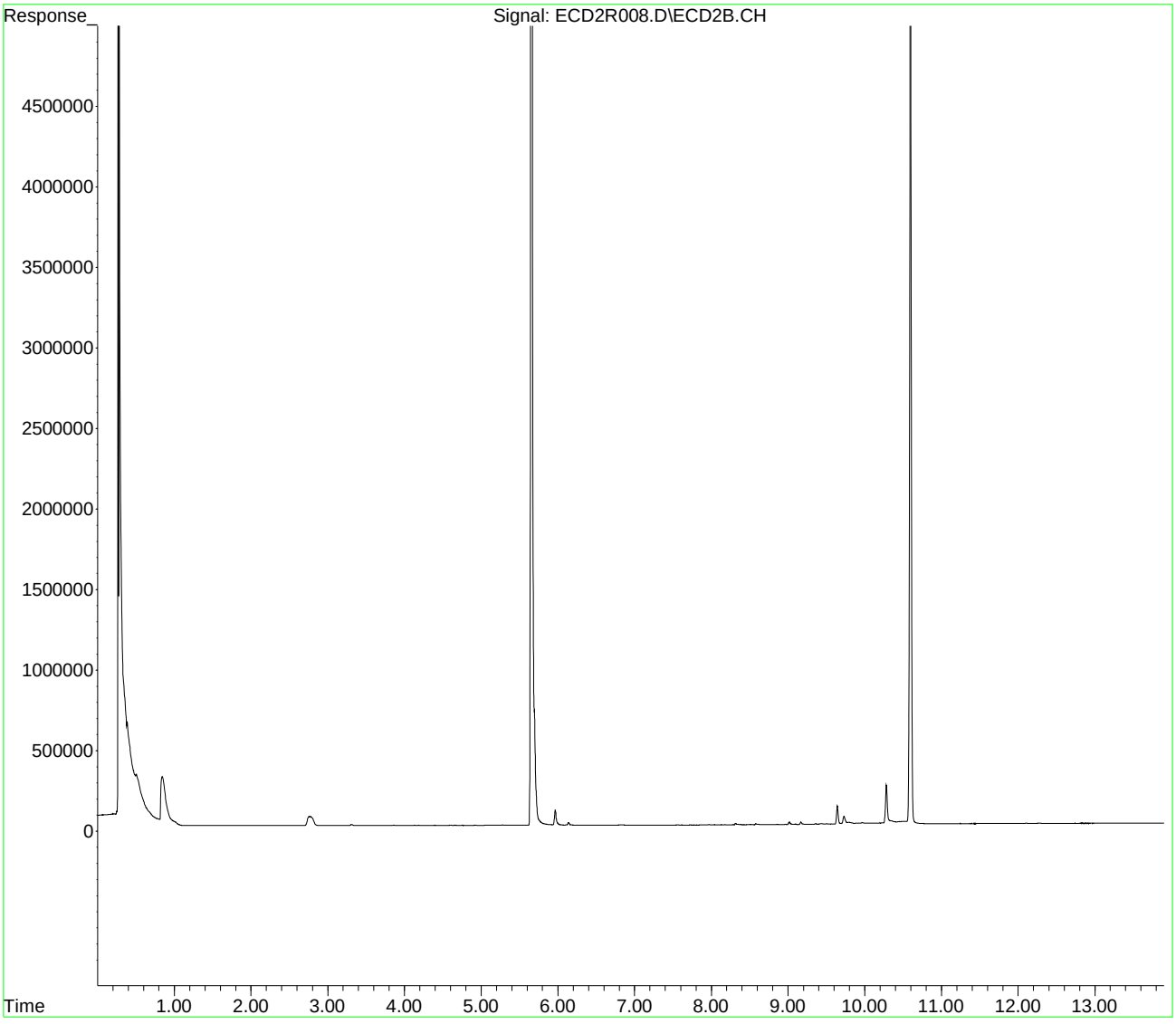
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	111777	15.761	ng/ml
61)	Aroclor 1268 (5)	9.927	2151	0.841	ng/ml
62)	Aroclor 1268 (6)	10.280	234649	12.788	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 6:50 pm
Operator : MJB/KAK/JGC
Sample : A1E0219-02
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:51:47 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	15368492	221.428	ng/ml
64) S	DCBP (S)	10.597	8852277	254.179	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	890385	425.135	ng/ml
3)	Aroclor 1016 (2)	6.821	1527923	418.777	ng/ml
4)	Aroclor 1016 (3)	6.948	674550	401.599	ng/ml
5)	Aroclor 1016 (4)	7.032	757252	440.339	ng/ml
6)	Aroclor 1016 (5)	7.078	824260	428.672	ng/ml
7)	Aroclor 1016 (6)	7.203	840222	439.850	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.831	66955	133.426	ng/ml
10)	Aroclor 1221 (2)	5.907	111375	222.465	ng/ml
11)	Aroclor 1221 (3)	5.993	495454	291.665	ng/ml
12)	Aroclor 1221 (4)	6.503	493284	1430.216	ng/ml
13)	Aroclor 1221 (5)	6.821	1527923	5878.172	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	495454	364.956	ng/ml
16)	Aroclor 1232 (2)	6.328	890385	1038.877	ng/ml
17)	Aroclor 1232 (3)	6.821	1527923	1062.941	ng/ml
18)	Aroclor 1232 (4)	7.032	757252	1332.329	ng/ml
19)	Aroclor 1232 (5)	7.078	824260	1236.038	ng/ml
20)	Aroclor 1232 (6)	7.203	840222	1221.014	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	890385	548.454	ng/ml
23)	Aroclor 1242 (2)	6.821	1527923	545.793	ng/ml
24)	Aroclor 1242 (3)	6.948	674550	521.470	ng/ml
25)	Aroclor 1242 (4)	7.032	757252	601.854	ng/ml
26)	Aroclor 1242 (5)	7.078	824260	573.427	ng/ml
27)	Aroclor 1242 (6)	7.203	840222	555.628	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	1327633	807.254	ng/ml
30)	Aroclor 1248 (2)	7.032	757252	341.480	ng/ml
31)	Aroclor 1248 (3)	7.078	824260	393.748	ng/ml
32)	Aroclor 1248 (4)	7.203	840222	334.863	ng/ml
33)	Aroclor 1248 (5)	7.568	193126	61.029	ng/ml
34)	Aroclor 1248 (6)	7.726	741034	261.657	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	596193	183.272	ng/ml
37)	Aroclor 1254 (2)	7.726	741034	142.399	ng/ml
38)	Aroclor 1254 (3)	8.038	409949	76.900	ng/ml
39)	Aroclor 1254 (4)	8.278	281274	69.555	ng/ml
40)	Aroclor 1254 (5)	8.612	2343673	565.008	ng/ml
41)	Aroclor 1254 (6)	8.829	331805	277.030	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	1842665	480.450	ng/ml
44)	Aroclor 1260 (2)	8.379	2326231	496.511	ng/ml
45)	Aroclor 1260 (3)	8.612	2343673	503.068	ng/ml
46)	Aroclor 1260 (4)	9.097	3972768	527.921	ng/ml
47)	Aroclor 1260 (5)	9.358	2333608	534.607	ng/ml
48)	Aroclor 1260 (6)	9.928	853191	501.269	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	2326231	586.553	ng/ml
51)	Aroclor 1262 (2)	8.680	1793505	314.350	ng/ml
52)	Aroclor 1262 (3)	8.858	1752712	379.942	ng/ml
53)	Aroclor 1262 (4)	9.097	3972768	417.889	ng/ml
54)	Aroclor 1262 (5)	9.358	2333608	406.102	ng/ml
55)	Aroclor 1262 (6)	9.928	853191	336.448	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	133128	58.694	ng/ml
58)	Aroclor 1268 (2)	9.358	2333608	228.011	ng/ml
59)	Aroclor 1268 (3)	9.423	842588	104.172	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

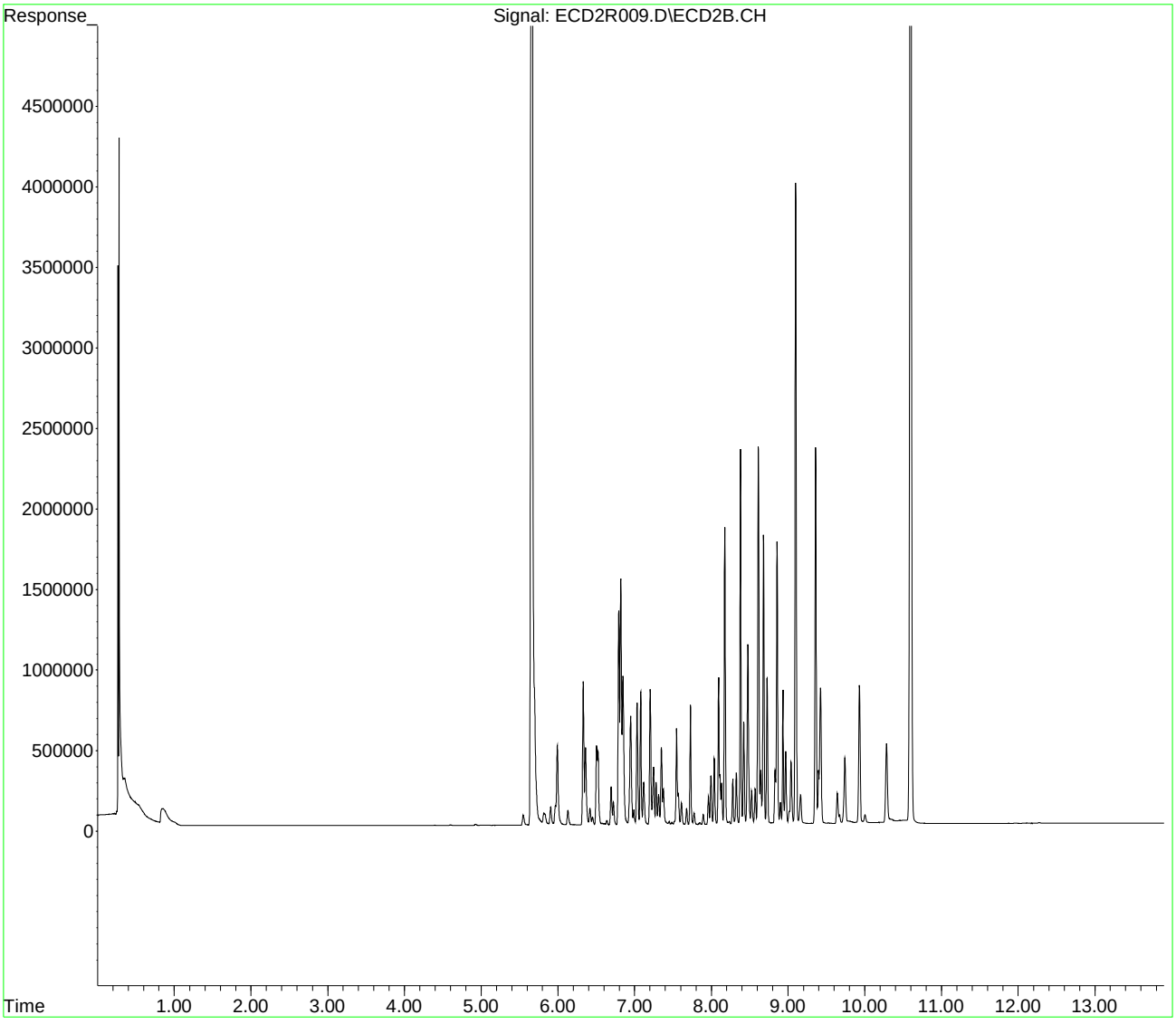
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	187618	26.455	ng/ml
61)	Aroclor 1268 (5)	9.928	853191	333.406	ng/ml
62)	Aroclor 1268 (6)	10.282	487712	26.579	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

JC 5/17/21

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.656	15368492	221.428	ng/ml
64)	S DCBP (S)	10.597	8852277	254.179	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	890385	425.135	ng/ml
3)	Aroclor 1016 (2)	6.821	1527923	418.777	ng/ml
4)	Aroclor 1016 (3)	6.948	674550	401.599	ng/ml
5)	Aroclor 1016 (4)	7.032	757252	440.339	ng/ml
6)	Aroclor 1016 (5)	7.078	824260	428.672	ng/ml
7)	Aroclor 1016 (6)	7.203	840222	439.850	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.831	66955	133.426	ng/ml
10)	Aroclor 1221 (2)	5.907	111375	222.465	ng/ml
11)	Aroclor 1221 (3)	5.993	495454	291.665	ng/ml
12)	Aroclor 1221 (4)	6.503	493284	1430.216	ng/ml
13)	Aroclor 1221 (5)	6.821	1527923	5878.172	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	495454	364.956	ng/ml
16)	Aroclor 1232 (2)	6.328	890385	1038.877	ng/ml
17)	Aroclor 1232 (3)	6.821	1527923	1062.941	ng/ml
18)	Aroclor 1232 (4)	7.032	757252	1332.329	ng/ml
19)	Aroclor 1232 (5)	7.078	824260	1236.038	ng/ml
20)	Aroclor 1232 (6)	7.203	840222	1221.014	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	890385	548.454	ng/ml
23)	Aroclor 1242 (2)	6.821	1527923	545.793	ng/ml
24)	Aroclor 1242 (3)	6.948	674550	521.470	ng/ml
25)	Aroclor 1242 (4)	7.032	757252	601.854	ng/ml
26)	Aroclor 1242 (5)	7.078	824260	573.427	ng/ml
27)	Aroclor 1242 (6)	7.203	840222	555.628	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	1327633	807.254	ng/ml
30)	Aroclor 1248 (2)	7.032	757252	341.480	ng/ml
31)	Aroclor 1248 (3)	7.078	824260	393.748	ng/ml
32)	Aroclor 1248 (4)	7.203	840222	334.863	ng/ml
33)	Aroclor 1248 (5)	7.568	193126	61.029	ng/ml
34)	Aroclor 1248 (6)	7.726	741034	261.657	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.546	596193	183.272	ng/ml
37)	Aroclor 1254 (2)	7.726	741034	142.399	ng/ml
38)	Aroclor 1254 (3)	8.038	409949	76.900	ng/ml
39)	Aroclor 1254 (4)	8.278	281274	69.555	ng/ml
40)	Aroclor 1254 (5)	8.612	2343673	565.008	ng/ml
41)	Aroclor 1254 (6)	8.829	331805	277.030	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	1842665	480.450	ng/ml
44)	Aroclor 1260 (2)	8.379	2326231	496.511	ng/ml
45)	Aroclor 1260 (3)	8.612	2343673	503.068	ng/ml
46)	Aroclor 1260 (4)	9.097	3972768	527.921	ng/ml
47)	Aroclor 1260 (5)	9.358	2333608	534.607	ng/ml
48)	Aroclor 1260 (6)	9.928	853191	501.269	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	2326231	586.553	ng/ml
51)	Aroclor 1262 (2)	8.680	1793505	314.350	ng/ml
52)	Aroclor 1262 (3)	8.858	1752712	379.942	ng/ml
53)	Aroclor 1262 (4)	9.097	3972768	417.889	ng/ml
54)	Aroclor 1262 (5)	9.358	2333608	406.102	ng/ml
55)	Aroclor 1262 (6)	9.928	853191	336.448	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	133128	58.694	ng/ml
58)	Aroclor 1268 (2)	9.358	2333608	228.011	ng/ml
59)	Aroclor 1268 (3)	9.423	842588	104.172	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

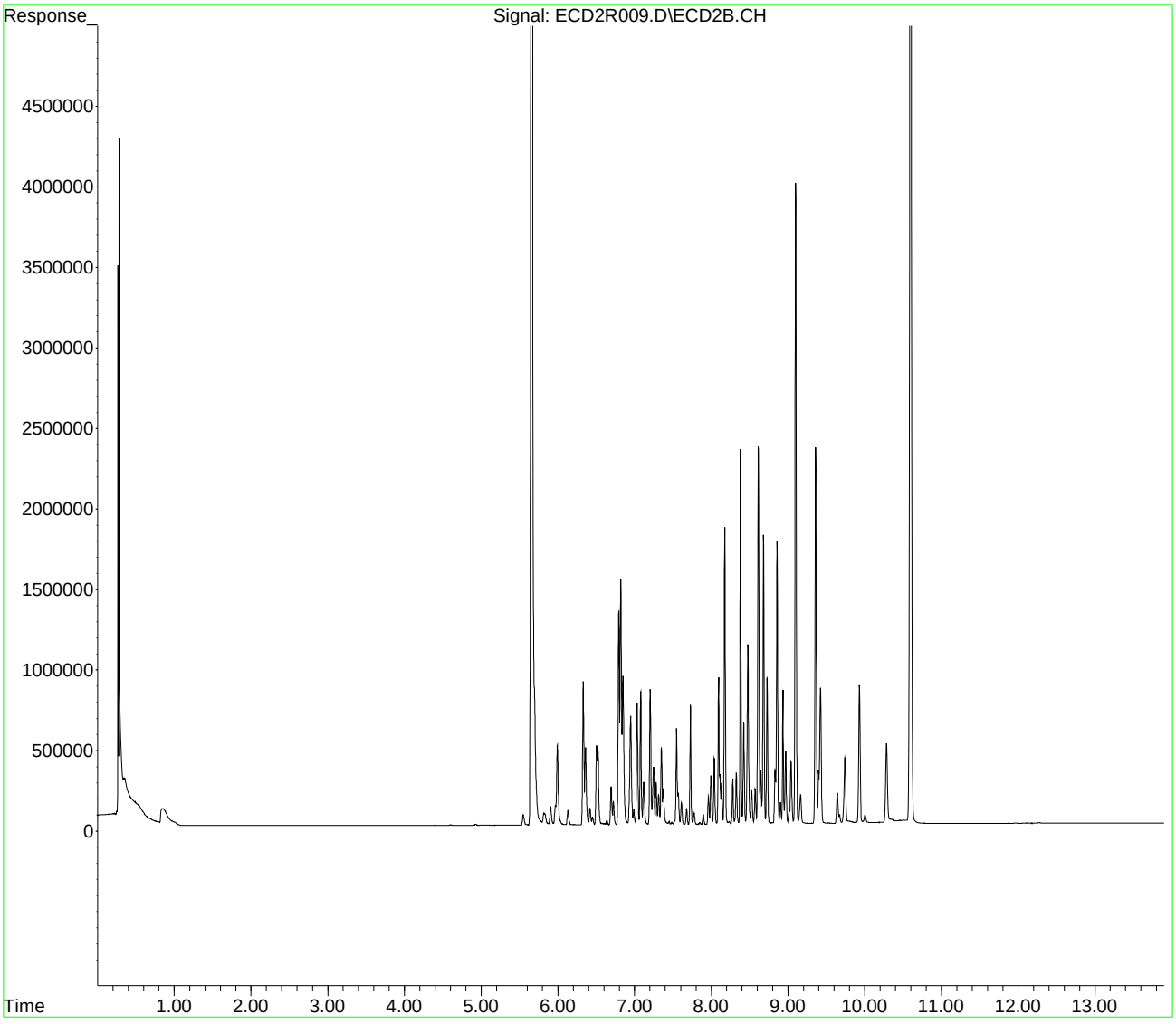
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	187618	26.455	ng/ml
61)	Aroclor 1268 (5)	9.928	853191	333.406	ng/ml
62)	Aroclor 1268 (6)	10.282	487712	26.579	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:07 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:44:52 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	5866915	84.530	ng/ml
64) S	DCBP (S)	10.596	3333788	95.724	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.310	1440	0.688	ng/ml
3)	Aroclor 1016 (2)	6.808	1480	0.406	ng/ml
4)	Aroclor 1016 (3)	6.937	253	0.151	ng/ml
5)	Aroclor 1016 (4)	7.039	467	0.272	ng/ml
6)	Aroclor 1016 (5)	7.086	481	0.250	ng/ml
7)	Aroclor 1016 (6)	7.206	481	0.252	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.865	4104	8.179	ng/ml
10)	Aroclor 1221 (2)	5.903	2945	5.882	ng/ml
11)	Aroclor 1221 (3)	5.965	49132	28.923	ng/ml
12)	Aroclor 1221 (4)	6.506	351	1.018	ng/ml
13)	Aroclor 1221 (5)	6.808	1480	5.692	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.965	49132	36.191	ng/ml
16)	Aroclor 1232 (2)	6.310	1440	1.681	ng/ml
17)	Aroclor 1232 (3)	6.808	1480	1.029	ng/ml
18)	Aroclor 1232 (4)	7.039	467	0.822	ng/ml
19)	Aroclor 1232 (5)	7.086	481	0.721	ng/ml
20)	Aroclor 1232 (6)	7.206	481	0.699	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.310	1440	0.887	ng/ml
23)	Aroclor 1242 (2)	6.808	1480	0.529	ng/ml
24)	Aroclor 1242 (3)	6.937	253	0.196	ng/ml
25)	Aroclor 1242 (4)	7.039	467	0.371	ng/ml
26)	Aroclor 1242 (5)	7.086	481	0.334	ng/ml
27)	Aroclor 1242 (6)	7.206	481	0.318	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.777	143	0.087 ng/ml
30)	Aroclor 1248 (2)	7.039	467	0.211 ng/ml
31)	Aroclor 1248 (3)	7.086	481	0.230 ng/ml
32)	Aroclor 1248 (4)	7.206	481	0.192 ng/ml
33)	Aroclor 1248 (5)	7.570	570	0.180 ng/ml
34)	Aroclor 1248 (6)	7.729	1523	0.538 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.541	554	0.170 ng/ml
37)	Aroclor 1254 (2)	7.729	1523	0.293 ng/ml
38)	Aroclor 1254 (3)	8.036	948	0.178 ng/ml
39)	Aroclor 1254 (4)	8.279	538	0.133 ng/ml
40)	Aroclor 1254 (5)	8.610	2004	0.483 ng/ml
41)	Aroclor 1254 (6)	8.824	356	0.297 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.175	1106	0.288 ng/ml
44)	Aroclor 1260 (2)	8.378	1745	0.373 ng/ml
45)	Aroclor 1260 (3)	8.610	2004	0.430 ng/ml
46)	Aroclor 1260 (4)	9.097	1109	0.147 ng/ml
47)	Aroclor 1260 (5)	9.360	2676	0.613 ng/ml
48)	Aroclor 1260 (6)	9.926	3439	2.021 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.378	1745	0.440 ng/ml
51)	Aroclor 1262 (2)	8.677	823	0.144 ng/ml
52)	Aroclor 1262 (3)	8.860	1399	0.303 ng/ml
53)	Aroclor 1262 (4)	9.097	1109	0.117 ng/ml
54)	Aroclor 1262 (5)	9.360	2676	0.466 ng/ml
55)	Aroclor 1262 (6)	9.926	3439	1.356 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.902	1209	0.533 ng/ml
58)	Aroclor 1268 (2)	9.360	2676	0.261 ng/ml
59)	Aroclor 1268 (3)	9.424	3959	0.489 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

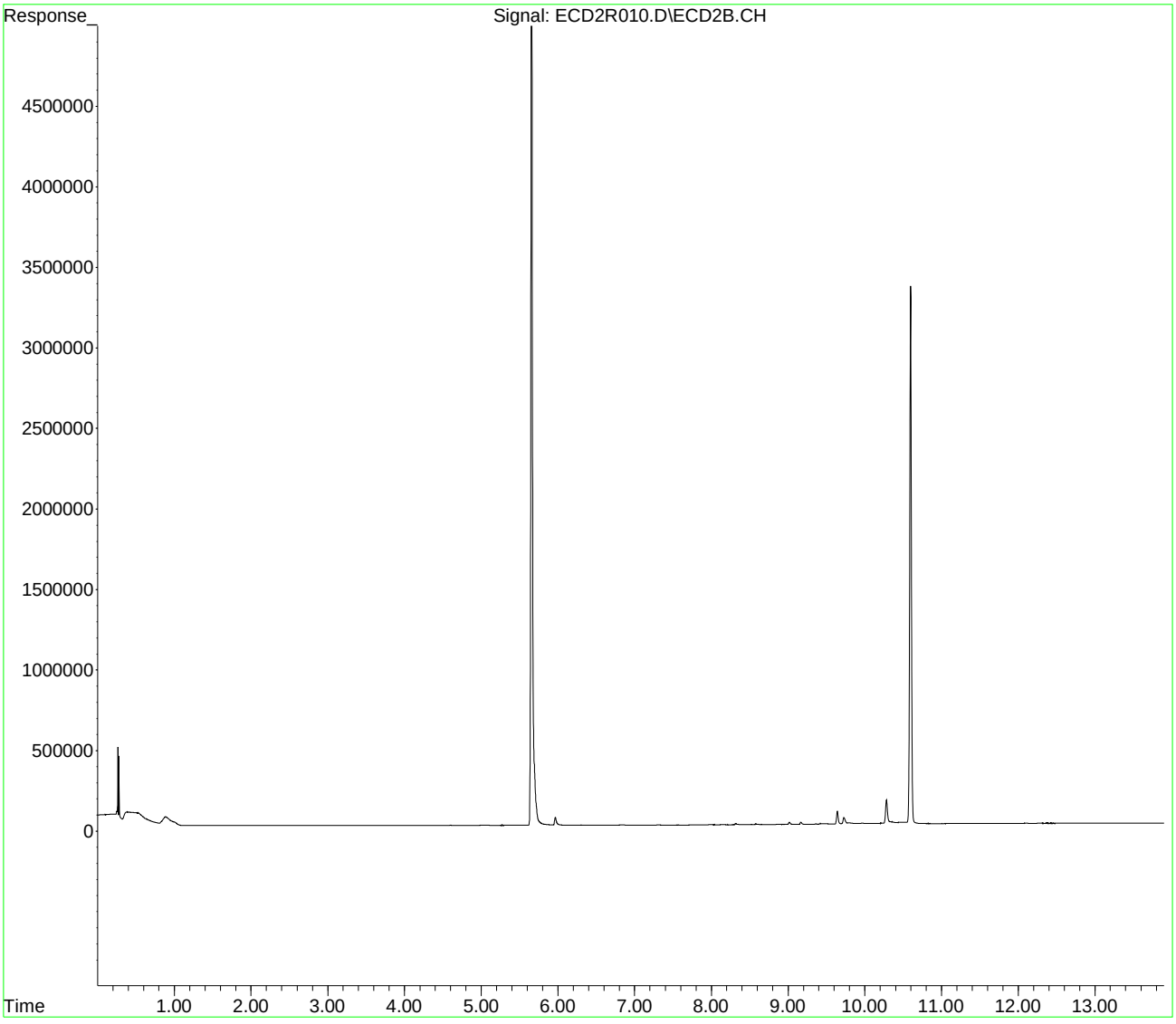
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	80680	11.376	ng/ml
61)	Aroclor 1268 (5)	9.932	3362	1.314	ng/ml
62)	Aroclor 1268 (6)	10.281	147251	8.025	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

JC 5/17/21

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.656	5866915	84.530	ng/ml
64)	S DCBP (S)	10.596	3333788	95.724	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.310	1440	0.688	ng/ml
3)	Aroclor 1016 (2)	6.808	1480	0.406	ng/ml
4)	Aroclor 1016 (3)	6.937	253	0.151	ng/ml
5)	Aroclor 1016 (4)	7.039	467	0.272	ng/ml
6)	Aroclor 1016 (5)	7.086	481	0.250	ng/ml
7)	Aroclor 1016 (6)	7.206	481	0.252	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.865	4104	8.179	ng/ml
10)	Aroclor 1221 (2)	5.903	2945	5.882	ng/ml
11)	Aroclor 1221 (3)	5.965	49132	28.923	ng/ml
12)	Aroclor 1221 (4)	6.506	351	1.018	ng/ml
13)	Aroclor 1221 (5)	6.808	1480	5.692	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.965	49132	36.191	ng/ml
16)	Aroclor 1232 (2)	6.310	1440	1.681	ng/ml
17)	Aroclor 1232 (3)	6.808	1480	1.029	ng/ml
18)	Aroclor 1232 (4)	7.039	467	0.822	ng/ml
19)	Aroclor 1232 (5)	7.086	481	0.721	ng/ml
20)	Aroclor 1232 (6)	7.206	481	0.699	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.310	1440	0.887	ng/ml
23)	Aroclor 1242 (2)	6.808	1480	0.529	ng/ml
24)	Aroclor 1242 (3)	6.937	253	0.196	ng/ml
25)	Aroclor 1242 (4)	7.039	467	0.371	ng/ml
26)	Aroclor 1242 (5)	7.086	481	0.334	ng/ml
27)	Aroclor 1242 (6)	7.206	481	0.318	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.777	143	0.087 ng/ml
30)	Aroclor 1248 (2)	7.039	467	0.211 ng/ml
31)	Aroclor 1248 (3)	7.086	481	0.230 ng/ml
32)	Aroclor 1248 (4)	7.206	481	0.192 ng/ml
33)	Aroclor 1248 (5)	7.570	570	0.180 ng/ml
34)	Aroclor 1248 (6)	7.729	1523	0.538 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.541	554	0.170 ng/ml
37)	Aroclor 1254 (2)	7.729	1523	0.293 ng/ml
38)	Aroclor 1254 (3)	8.036	948	0.178 ng/ml
39)	Aroclor 1254 (4)	8.279	538	0.133 ng/ml
40)	Aroclor 1254 (5)	8.610	2004	0.483 ng/ml
41)	Aroclor 1254 (6)	8.824	356	0.297 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.175	1106	0.288 ng/ml
44)	Aroclor 1260 (2)	8.378	1745	0.373 ng/ml
45)	Aroclor 1260 (3)	8.610	2004	0.430 ng/ml
46)	Aroclor 1260 (4)	9.097	1109	0.147 ng/ml
47)	Aroclor 1260 (5)	9.360	2676	0.613 ng/ml
48)	Aroclor 1260 (6)	9.926	3439	2.021 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.378	1745	0.440 ng/ml
51)	Aroclor 1262 (2)	8.677	823	0.144 ng/ml
52)	Aroclor 1262 (3)	8.860	1399	0.303 ng/ml
53)	Aroclor 1262 (4)	9.097	1109	0.117 ng/ml
54)	Aroclor 1262 (5)	9.360	2676	0.466 ng/ml
55)	Aroclor 1262 (6)	9.926	3439	1.356 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.902	1209	0.533 ng/ml
58)	Aroclor 1268 (2)	9.360	2676	0.261 ng/ml
59)	Aroclor 1268 (3)	9.424	3959	0.489 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	80680	11.376	ng/ml
61)	Aroclor 1268 (5)	9.932	3362	1.314	ng/ml
62)	Aroclor 1268 (6)	10.281	147251	8.025	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1E14046\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 14 May 2021 7:25 pm
Operator : MJB/KAK/JGC
Sample : 1E14046-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 17 11:45:49 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 14:44:59 2021
Response via : Initial Calibration
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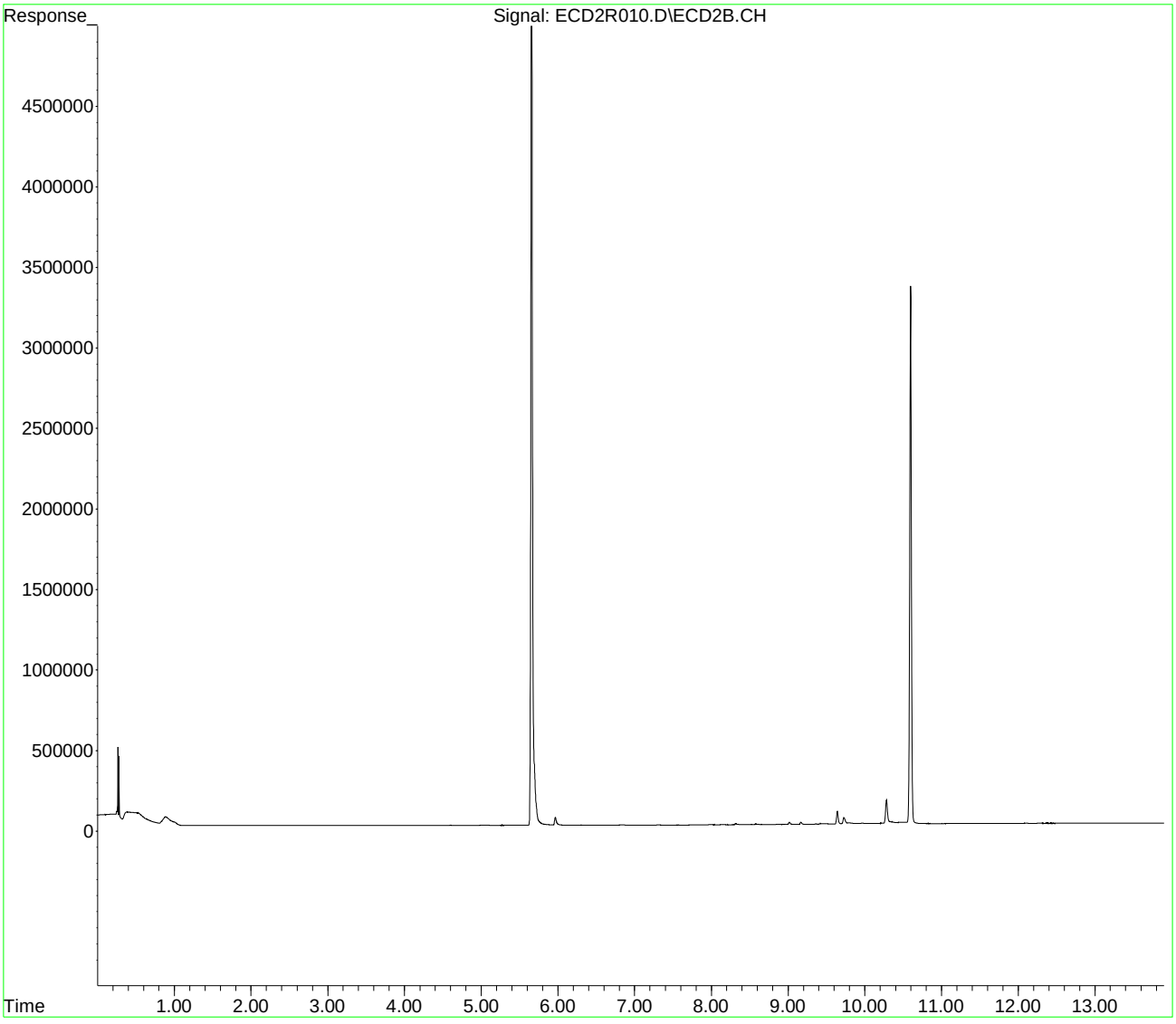


APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Polychlorinated Biphenyls by EPA 8082A
Calibration Data

Sequence 1D06062 (Cal ID A1D0703) DUALECD2R

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1D06062**	Instrument:	**DUALECD2R**
Date:	**04/06/21 14:24**	Calibration:	**A1D0703**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1D06062-ICB1	Water	QC	QC				A21C289
2	1D06062-CAL1	Water	QC	QC				A20L187
3	1D06062-CAL2	Water	QC	QC				A20L188
4	1D06062-CAL3	Water	QC	QC				A20L189
5	1D06062-CAL4	Water	QC	QC				A20L190
6	1D06062-CAL5	Water	QC	QC				A20L184
7	1D06062-CAL6	Water	QC	QC				A20L185
8	1D06062-CAL7	Water	QC	QC				A20L186
9	1D06062-IBL1	Water	QC	QC				
10	1D06062-ICV1	Water	QC	QC				A21A245
11	1D06062-CAL8	Water	QC	QC				A21B268
12	1D06062-CAL9	Water	QC	QC				A21B269
13	1D06062-CALA	Water	QC	QC				A21B270
14	1D06062-CALB	Water	QC	QC				A21B271
15	1D06062-CALC	Water	QC	QC				A21B272
16	1D06062-CALD	Water	QC	QC				A21B273
17	1D06062-CALE	Water	QC	QC				A21B274
18	1D06062-ICV2	Water	QC	QC				A21A246
19	1D06062-ICV3	Water	QC	QC				A21B196
20	1D06062-ICV4	Water	QC	QC				A21B197
21	1D06062-ICV5	Water	QC	QC				A21B267

Standard	Description:	Expires:
A20L184	8082 1016/1260 Cal 5 (500ppb)	6/11/2021
A20L185	8082 1016/1260 Cal 6 (1000ppb)	6/11/2021
A20L186	8082 1016/1260 Cal 7 (1500ppb)	6/11/2021
A20L187	8082 1016/1260 Cal 1 (20ppb)	6/11/2021
A20L188	8082 1016/1260 Cal 2 (50ppb)	6/11/2021
A20L189	8082 1016/1260 Cal 3 (100ppb)	6/11/2021
A20L190	8082 1016/1260 Cal 4 (200ppb)	6/11/2021
A21A245	8082 1016/1260 ICV (500ppb)	6/11/2021
A21A246	8082 1221 & 1254 ICV	7/20/2021
A21B196	8082 1232 & 1262 ICV	8/9/2021
A21B197	8082 1242 & 1268 ICV	8/9/2021
A21B267	8082 1248 ICV (500ppb)	8/16/2021
A21B268	8082 1221 (500ppb)	8/16/2021
A21B269	8082 1232 (500ppb)	7/21/2021
A21B270	8082 1242 (500ppb)	7/21/2021
A21B271	8082 1248 (500ppb)	7/21/2021
A21B272	8082 1254 (500ppb)	7/21/2021
A21B273	8082 1262 (500ppb)	7/21/2021
A21B274	8082 1268 (500ppb)	7/21/2021
A21C289	8082 Instrument Blank	8/22/2021

Data Entered By/Date: JC 4/7/21 Comments:

Data Reviewed By/Date: MKZ 4/8/2021

Calibration Status Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_210406.M
Title : PCB Data Analysis
Last Update : Wed Apr 07 11:03:16 2021
Response Via : Initial Calibration

JC 4/7/21

Calibration A1D0703

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\1D06062\ECD2R004.D
2	2	25	0	K:\DATA\1D06062\ECD2R005.D
3	3	50	0	K:\DATA\1D06062\ECD2R006.D
4	4	100	0	K:\DATA\1D06062\ECD2R007.D
5	5	250	0	K:\DATA\1D06062\ECD2R013.D
6	6	500	0	K:\DATA\1D06062\ECD2R009.D
7	7	800	0	K:\DATA\1D06062\ECD2R010.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 07 10:47 2021	Apr 07 10:04 2021	06 Apr 2021 3:28 pm
2	2	Apr 07 10:47 2021	Apr 07 10:07 2021	06 Apr 2021 3:46 pm
3	3	Apr 07 10:47 2021	Apr 07 10:09 2021	06 Apr 2021 4:04 pm
4	4	Apr 07 10:47 2021	Apr 07 10:10 2021	06 Apr 2021 4:21 pm
5	5	Apr 07 10:52 2021	Apr 07 10:24 2021	06 Apr 2021 6:07 pm
6	6	Apr 07 10:48 2021	Apr 07 10:13 2021	06 Apr 2021 4:57 pm
7	7	Apr 07 10:48 2021	Apr 07 10:16 2021	06 Apr 2021 5:14 pm

RECD2_QUANTPCB_210406.M Wed Apr 07 11:10:34 2021

Response Factor Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_210406.M
Title : PCB Data Analysis
Last Update : Wed Apr 07 11:03:16 2021
Response Via : Initial Calibration

JC 4/7/21

Calibration Files
1 =ECD2R004.D 2 =ECD2R005.D 3 =ECD2R006.D
4 =ECD2R007.D 5 =ECD2R013.D 6 =ECD2R009.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	S	TCMX (S)	6.371	6.801	6.809	6.809	6.687	7.289	6.941 E4	6.80
2)		Aroclor 1016 ...	2.476	2.277	2.096	2.004	1.956	1.901	2.094 E3	10.03
3)		Aroclor 1016 ...	3.827	3.753	3.535	3.570	3.601	3.474	3.649 E3	3.73
4)		Aroclor 1016 ...	1.840	1.764	1.641	1.637	1.560	1.621	1.680 E3	5.65 ✓
5)		Aroclor 1016 ...	2.059	1.888	1.701	1.684	1.557	1.541	1.720 E3	11.04
6)		Aroclor 1016 ...	2.258	2.144	1.942	1.861	1.751	1.699	1.923 E3	10.81
7)		Aroclor 1016 (6)	2.193	2.110	1.899	1.857	1.773	1.751	1.910 E3	9.11
8)		Aroclor 1016 ...							0.000	-1.00
9)		Aroclor 1221 (1)					5.018		5.018 E2	0.00
10)		Aroclor 1221 (2)					5.006		5.006 E2	0.00
11)		Aroclor 1221 (3)					1.699		1.699 E3	0.00
12)		Aroclor 1221 ...					3.449		3.449 E2	0.00
13)		Aroclor 1221 (5)					2.599		2.599 E2	0.00
14)		Aroclor 1221 ...							0.000	-1.00
15)		Aroclor 1232 (1)					1.358		1.358 E3	0.00
16)		Aroclor 1232 (2)					8.571		8.571 E2	0.00
17)		Aroclor 1232 (3)					1.437		1.437 E3	0.00
18)		Aroclor 1232 (4)					5.684		5.684 E2	0.00
19)		Aroclor 1232 (5)					6.669		6.669 E2	0.00
20)		Aroclor 1232 (6)					6.881		6.881 E2	0.00
21)		Aroclor 1232 ...							0.000	-1.00
22)		Aroclor 1242 ...					1.623		1.623 E3	0.00
23)		Aroclor 1242 ...					2.799		2.799 E3	0.00
24)		Aroclor 1242 ...					1.294		1.294 E3	0.00
25)		Aroclor 1242 ...					1.258		1.258 E3	0.00
26)		Aroclor 1242 ...					1.437		1.437 E3	0.00
27)		Aroclor 1242 (6)					1.512		1.512 E3	0.00
28)		Aroclor 1242 ...							0.000	-1.00
29)		Aroclor 1248 ...					1.645		1.645 E3	0.00
30)		Aroclor 1248 ...					2.218		2.218 E3	0.00
31)		Aroclor 1248 ...					2.093		2.093 E3	0.00
32)		Aroclor 1248 ...					2.509		2.509 E3	0.00
33)		Aroclor 1248 ...					3.165		3.165 E3	0.00
34)		Aroclor 1248 (6)					2.832		2.832 E3	0.00
35)		Aroclor 1248 ...							0.000	-1.00
36)		Aroclor 1254 ...					3.253		3.253 E3	0.00
37)		Aroclor 1254 ...					5.204		5.204 E3	0.00
38)		Aroclor 1254 ...					5.331		5.331 E3	0.00
39)		Aroclor 1254 ...					4.044		4.044 E3	0.00
40)		Aroclor 1254 ...					4.148		4.148 E3	0.00
41)		Aroclor 1254 (6)					1.198		1.198 E3	0.00
42)		Aroclor 1254 ...							0.000	-1.00

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_210406.M
Title : PCB Data Analysis
Last Update : Wed Apr 07 11:03:16 2021
Response Via : Initial Calibration

Calibration Files
1 =ECD2R004.D 2 =ECD2R005.D 3 =ECD2R006.D
4 =ECD2R007.D 5 =ECD2R013.D 6 =ECD2R009.D

		Compound	1	2	3	4	5	6	Avg	%RSD	
43)		Aroclor 1260 ...	4.348	3.950	3.719	3.635	3.663	3.716	3.835 E3	6.51	
44)		Aroclor 1260 ...	5.131	4.989	4.558	4.540	4.426	4.402	4.685 E3	6.04	
45)		Aroclor 1260 (3)	4.785	4.887	4.496	4.683	4.594	4.547	4.659 E3	2.95	✓
46)		Aroclor 1260 (4)	7.730	7.454	7.247	7.578	7.124	7.623	7.525 E3	3.65	
47)		Aroclor 1260 (5)	4.647	4.434	4.165	4.271	4.318	4.326	4.365 E3	3.47	
48)		Aroclor 1260 (6)	2.169	1.749	1.604	1.618	1.552	1.572	1.702 E3	12.67	
49)		Aroclor 1260 ...							0.000	-1.00	
50)		Aroclor 1262 (1)					3.966		3.966 E3	0.00	
51)		Aroclor 1262 (2)					5.705		5.705 E3	0.00	
52)		Aroclor 1262 (3)					4.613		4.613 E3	0.00	
53)		Aroclor 1262 (4)					9.507		9.507 E3	0.00	
54)		Aroclor 1262 (5)					5.746		5.746 E3	0.00	
55)		Aroclor 1262 (6)					2.536		2.536 E3	0.00	
56)		Aroclor 1262 ...							0.000	-1.00	
57)		Aroclor 1268 (1)					2.268		2.268 E3	0.00	
58)		Aroclor 1268 (2)					1.023		1.023 E4	0.00	
59)		Aroclor 1268 (3)					8.088		8.088 E3	0.00	
60)		Aroclor 1268 (4)					7.092		7.092 E3	0.00	
61)		Aroclor 1268 (5)					2.559		2.559 E3	0.00	
62)		Aroclor 1268 (6)					1.835		1.835 E4	0.00	
63)		Aroclor 1268 ...							0.000	-1.00	
64)	S	DCBP (S)	3.342	3.445	3.367	3.434	3.324	3.632	3.483 E4	5.36	✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : L:\Methods\
Method File : RECD2_QUANTPCB_210406.M
Title : PCB Data Analysis
Last Update : Wed Apr 07 11:03:16 2021
Response Via : Initial Calibration

JC 4/7/21

Total Cpnds : 64

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.656	1.000	A	H	L
2		Aroclor 1016 (1)	6.329	1.000	A	H	R
3		Aroclor 1016 (2)	6.815	1.000	A	H	R
4		Aroclor 1016 (3)	6.943	1.000	A	H	R
5		Aroclor 1016 (4)	7.033	1.000	A	H	R
6		Aroclor 1016 (5)	7.078	1.000	A	H	R
7		Aroclor 1016 (6)	7.202	1.000	A	H	R
8		Aroclor 1016 - AVE	1.843	1.000	A	H	R
9		Aroclor 1221 (1)	5.833	1.000	A	H	R
10		Aroclor 1221 (2)	5.906	1.000	A	H	R
11		Aroclor 1221 (3)	5.993	1.000	A	H	R
12		Aroclor 1221 (4)	6.503	1.000	A	H	R
13		Aroclor 1221 (5)	6.818	1.000	A	H	R
14		Aroclor 1221 - AVE	1.843	1.000	A	H	R
15		Aroclor 1232 (1)	5.993	1.000	A	H	R
16		Aroclor 1232 (2)	6.329	1.000	A	H	R
17		Aroclor 1232 (3)	6.818	1.000	A	H	R
18		Aroclor 1232 (4)	7.033	1.000	A	H	R
19		Aroclor 1232 (5)	7.077	1.000	A	H	R
20		Aroclor 1232 (6)	7.202	1.000	A	H	R
21		Aroclor 1232 - AVE	1.843	1.000	A	H	R
22		Aroclor 1242 (1)	6.328	1.000	A	H	R
23		Aroclor 1242 (2)	6.817	1.000	A	H	R
24		Aroclor 1242 (3)	6.944	1.000	A	H	R
25		Aroclor 1242 (4)	7.031	1.000	A	H	R
26		Aroclor 1242 (5)	7.077	1.000	A	H	R
27		Aroclor 1242 (6)	7.202	1.000	A	H	R
28		Aroclor 1242 - AVE	1.843	1.000	A	H	R
29		Aroclor 1248 (1)	6.790	1.000	A	H	R
30		Aroclor 1248 (2)	7.032	1.000	A	H	R
31		Aroclor 1248 (3)	7.077	1.000	A	H	R
32		Aroclor 1248 (4)	7.202	1.000	A	H	R
33		Aroclor 1248 (5)	7.567	1.000	A	H	R
34		Aroclor 1248 (6)	7.725	1.000	A	H	R
35		Aroclor 1248 - AVE	1.843	1.000	A	H	R
36		Aroclor 1254 (1)	7.545	1.000	A	H	R
37		Aroclor 1254 (2)	7.727	1.000	A	H	R
38		Aroclor 1254 (3)	8.037	1.000	A	H	R
39		Aroclor 1254 (4)	8.276	1.000	A	H	R
40		Aroclor 1254 (5)	8.610	1.000	A	H	R
41		Aroclor 1254 (6)	8.841	1.000	A	H	R
42		Aroclor 1254 - AVE	1.843	1.000	A	H	R
43		Aroclor 1260 (1)	8.173	1.000	A	H	R
44		Aroclor 1260 (2)	8.380	1.000	A	H	R
45		Aroclor 1260 (3)	8.610	1.000	A	H	R
46		Aroclor 1260 (4)	9.097	1.000	A	H	R
47		Aroclor 1260 (5)	9.358	1.000	A	H	R
48		Aroclor 1260 (6)	9.929	1.000	A	H	R
49		Aroclor 1260 - AVE	1.843	1.000	A	H	R
50		Aroclor 1262 (1)	8.380	1.000	A	H	R
51		Aroclor 1262 (2)	8.680	1.000	A	H	R
52		Aroclor 1262 (3)	8.859	1.000	A	H	R
53		Aroclor 1262 (4)	9.098	1.000	A	H	R
54		Aroclor 1262 (5)	9.359	1.000	A	H	R
55		Aroclor 1262 (6)	9.929	1.000	A	H	R
56		Aroclor 1262 - AVE	1.843	1.000	A	H	R

57		Aroclor 1268 (1)	8.900	1.000	A	H	R
58		Aroclor 1268 (2)	9.361	1.000	A	H	R
59		Aroclor 1268 (3)	9.427	1.000	A	H	R
60		Aroclor 1268 (4)	9.642	1.000	A	H	R
61		Aroclor 1268 (5)	9.931	1.000	A	H	R
62		Aroclor 1268 (6)	10.285	1.000	A	H	R
63		Aroclor 1268 - AVE	1.842	1.000	A	H	R
64	S	DCBP (S)	10.599	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

RECD2_QUANTPCB_210406.M Wed Apr 07 11:09:59 2021

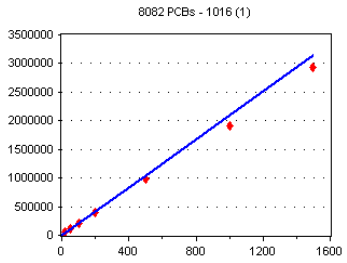
Element Calibration Review Sheet

Calibration ID: **A1D0703** Instrument: **DUALECD2R** Calibration Date: **04/07/2021**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_21040**

1016 (1)

Curve Fit: **AVERAGE RF**

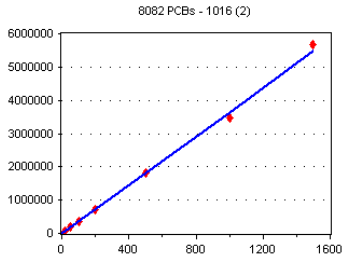


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	49528	2476.400	6.33
1D06062-CAL2	50	113827	2276.540	6.33
1D06062-CAL3	100	209641	2096.410	6.33
1D06062-CAL4	200	400857	2004.285	6.33
1D06062-CAL5	500	978060	1956.120	6.33
1D06062-CAL6	1000	1901390	1901.390	6.33
1D06062-CAL7	1500	2924042	1949.361	6.33

AVE RF **2094.358** RF RSD **10.03** AVE RT **6.33**

1016 (2)

Curve Fit: **AVERAGE RF**

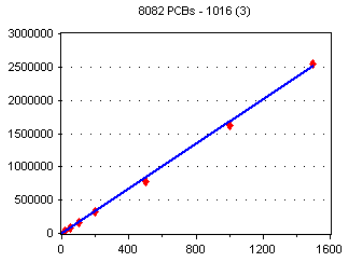


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	76532	3826.600	6.82
1D06062-CAL2	50	187657	3753.140	6.82
1D06062-CAL3	100	353509	3535.090	6.82
1D06062-CAL4	200	714092	3570.460	6.82
1D06062-CAL5	500	1800696	3601.392	6.82
1D06062-CAL6	1000	3474212	3474.212	6.82
1D06062-CAL7	1500	5668291	3778.861	6.82

AVE RF **3648.536** RF RSD **3.73** AVE RT **6.82**

1016 (3)

Curve Fit: **AVERAGE RF**

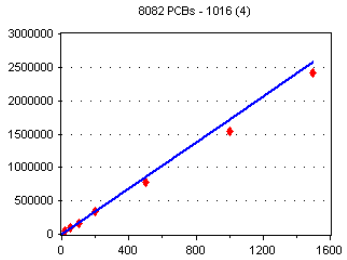


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	36809	1840.450	6.94
1D06062-CAL2	50	88175	1763.500	6.94
1D06062-CAL3	100	164136	1641.360	6.94
1D06062-CAL4	200	327393	1636.965	6.94
1D06062-CAL5	500	780052	1560.104	6.94
1D06062-CAL6	1000	1621468	1621.468	6.95
1D06062-CAL7	1500	2540678	1693.785	6.94

AVE RF **1679.662** RF RSD **5.65** AVE RT **6.94**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	41182	2059.100	7.03
1D06062-CAL2	50	94409	1888.180	7.03
1D06062-CAL3	100	170143	1701.430	7.03
1D06062-CAL4	200	336811	1684.055	7.03
1D06062-CAL5	500	778634	1557.268	7.03
1D06062-CAL6	1000	1540927	1540.927	7.03
1D06062-CAL7	1500	2410449	1606.966	7.03

AVE RF **1719.704** RF RSD **11.04** AVE RT **7.03**

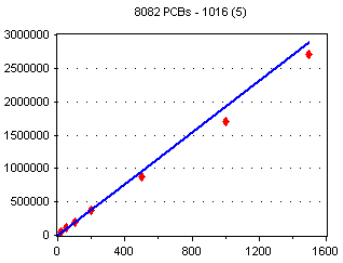
Element Calibration Review Sheet

Calibration ID: **A1D0703** Instrument: **DUALECD2R** Calibration Date: **04/07/2021**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_21040**

1016 (5)

Curve Fit: **AVERAGE RF**

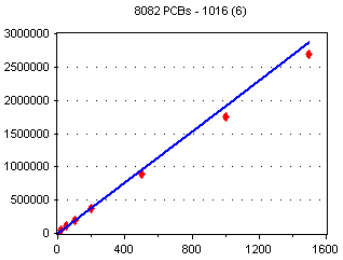


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	45170	2258.500	7.08
1D06062-CAL2	50	107183	2143.660	7.08
1D06062-CAL3	100	194195	1941.950	7.08
1D06062-CAL4	200	372106	1860.530	7.08
1D06062-CAL5	500	875442	1750.884	7.08
1D06062-CAL6	1000	1699394	1699.394	7.08
1D06062-CAL7	1500	2707258	1804.839	7.08

AVE RF **1922.822** RF RSD **10.81** AVE RT **7.08**

1016 (6)

Curve Fit: **AVERAGE RF**

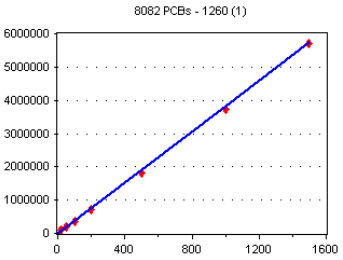


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	43853	2192.650	7.20
1D06062-CAL2	50	105523	2110.460	7.20
1D06062-CAL3	100	189894	1898.940	7.20
1D06062-CAL4	200	371335	1856.675	7.20
1D06062-CAL5	500	886396	1772.792	7.20
1D06062-CAL6	1000	1750979	1750.979	7.20
1D06062-CAL7	1500	2683795	1789.197	7.20

AVE RF **1910.242** RF RSD **9.11** AVE RT **7.20**

1260 (1)

Curve Fit: **AVERAGE RF**

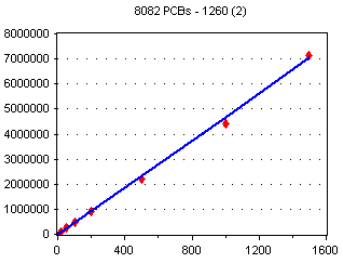


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	86961	4348.050	8.17
1D06062-CAL2	50	197508	3950.160	8.17
1D06062-CAL3	100	371944	3719.440	8.17
1D06062-CAL4	200	727001	3635.005	8.17
1D06062-CAL5	500	1831373	3662.746	8.17
1D06062-CAL6	1000	3715911	3715.911	8.17
1D06062-CAL7	1500	5723564	3815.709	8.17

AVE RF **3835.289** RF RSD **6.51** AVE RT **8.17**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	102613	5130.650	8.38
1D06062-CAL2	50	249451	4989.020	8.38
1D06062-CAL3	100	455768	4557.680	8.38
1D06062-CAL4	200	908052	4540.260	8.38
1D06062-CAL5	500	2212910	4425.820	8.38
1D06062-CAL6	1000	4401655	4401.655	8.38
1D06062-CAL7	1500	7126507	4751.005	8.38

AVE RF **4685.156** RF RSD **6.04** AVE RT **8.38**

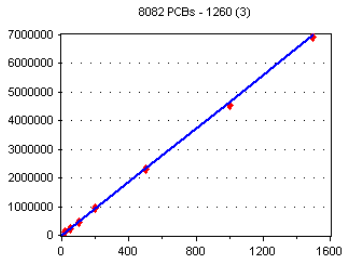
Element Calibration Review Sheet

Calibration ID: **A1D0703** Instrument: **DUALECD2R** Calibration Date: **04/07/2021**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_21040**

1260 (3)

Curve Fit: **AVERAGE RF**

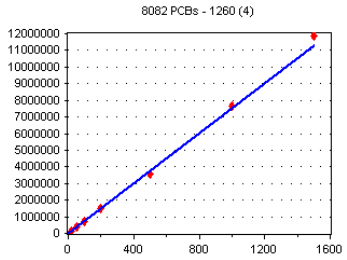


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	95701	4785.050	8.61
1D06062-CAL2	50	244370	4887.400	8.61
1D06062-CAL3	100	449611	4496.110	8.61
1D06062-CAL4	200	936529	4682.645	8.61
1D06062-CAL5	500	2297233	4594.466	8.61
1D06062-CAL6	1000	4546951	4546.951	8.61
1D06062-CAL7	1500	6928103	4618.735	8.61

AVE RF **4658.765** RF RSD **2.95** AVE RT **8.61**

1260 (4)

Curve Fit: **AVERAGE RF**

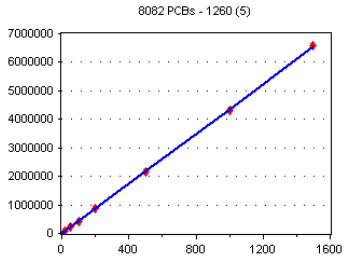


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	154609	7730.450	9.10
1D06062-CAL2	50	372724	7454.480	9.10
1D06062-CAL3	100	724709	7247.090	9.10
1D06062-CAL4	200	1515557	7577.785	9.10
1D06062-CAL5	500	3562111	7124.222	9.10
1D06062-CAL6	1000	7623477	7623.477	9.10
1D06062-CAL7	1500	187943E+07	7919.620	9.10

AVE RF **7525.304** RF RSD **3.65** AVE RT **9.10**

1260 (5)

Curve Fit: **AVERAGE RF**

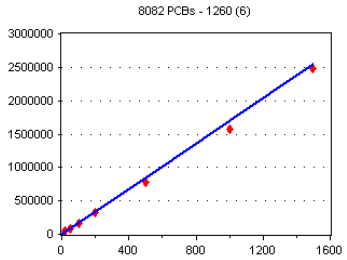


Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	92940	4647.000	9.36
1D06062-CAL2	50	221698	4433.960	9.36
1D06062-CAL3	100	416485	4164.850	9.36
1D06062-CAL4	200	854229	4271.145	9.36
1D06062-CAL5	500	2159157	4318.314	9.36
1D06062-CAL6	1000	4326339	4326.339	9.36
1D06062-CAL7	1500	6591028	4394.019	9.36

AVE RF **4365.089** RF RSD **3.47** AVE RT **9.36**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	20	43377	2168.850	9.93
1D06062-CAL2	50	87460	1749.200	9.93
1D06062-CAL3	100	160383	1603.830	9.93
1D06062-CAL4	200	323673	1618.365	9.93
1D06062-CAL5	500	776072	1552.144	9.93
1D06062-CAL6	1000	1572029	1572.029	9.93
1D06062-CAL7	1500	2475024	1650.016	9.93

AVE RF **1702.062** RF RSD **12.67** AVE RT **9.93**

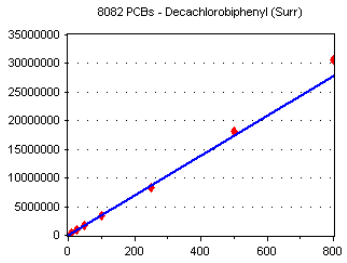
Element Calibration Review Sheet

Calibration ID: **A1D0703** Instrument: **DUALECD2R** Calibration Date: **04/07/2021**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD2_QUANTPCB_21040**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1D06062-CAL1	10	334192	33419.200	10.60
1D06062-CAL2	25	861226	34449.040	10.60
1D06062-CAL3	50	1683270	33665.400	10.60
1D06062-CAL4	100	3433860	34338.600	10.60
1D06062-CAL5	250	8309481	33237.930	10.60
1D06062-CAL6	500	816183E+07	36323.660	10.60
1D06062-CAL7	800	3.06837E+07	38354.630	10.60

AVE RF **34826.920** RF RSD **5.36** AVE RT **10.60**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1D06062

Analysis Included

1311/8082 TCLP PCBs
1312/8082A SPLP PCBs
608.3 PCBs
608.3 PCBs - LL (1000/1mL) +1262/68
8082 PCBs
8082 PCBs - Low Level (2mL FV)
8082 PCBs - Low Level (2mL FV) +1262/68
8082 PCBs - Low Level (1000/1mL)
8082 PCBs - Low Level (1000/1mL) (Diss)
8082 PCBs - Low Level (1000/1mL) +1262/68
8082 PCBs - Low Level (15g/1mL)
8082 PCBs - Low Level (15g-1mL) + 1262,1268
8082 PCBs (CA)
8082 PCBs + 1262/1268
8082 PCBs in Trans. Oil - LL
8082 PCBs LL (CA) (2ml FV)

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
1D06062-ICB1	Initial Cal Blank	Water	A21C289		4/6/2021 3:11:00PM
1D06062-CAL1	Cal Standard	Water	A20L187	"	4/6/2021 3:28:00PM
1D06062-CAL2	Cal Standard	Water	A20L188	"	4/6/2021 3:46:00PM
1D06062-CAL3	Cal Standard	Water	A20L189	"	4/6/2021 4:04:00PM
1D06062-CAL4	Cal Standard	Water	A20L190	"	4/6/2021 4:21:00PM
1D06062-CAL5	Cal Standard	Water	A20L184	"	4/6/2021 4:39:00PM
1D06062-CAL6	Cal Standard	Water	A20L185	"	4/6/2021 4:57:00PM
1D06062-CAL7	Cal Standard	Water	A20L186	"	4/6/2021 5:14:00PM
1D06062-ICV1	Initial Cal Check	Water	A21A245	"	4/6/2021 5:49:00PM
1D06062-CAL8	Cal Standard	Water	A21B268	"	4/6/2021 6:07:00PM
1D06062-CAL9	Cal Standard	Water	A21B269	"	4/6/2021 6:25:00PM
1D06062-CALA	Cal Standard	Water	A21B270	"	4/6/2021 6:42:00PM
1D06062-CALB	Cal Standard	Water	A21B271	"	4/6/2021 7:00:00PM
1D06062-CALC	Cal Standard	Water	A21B272	"	4/6/2021 7:18:00PM
1D06062-CALD	Cal Standard	Water	A21B273	"	4/6/2021 7:35:00PM
1D06062-CALE	Cal Standard	Water	A21B274	"	4/6/2021 7:53:00PM
1D06062-ICV2	Initial Cal Check	Water	A21A246	"	4/6/2021 8:10:00PM
1D06062-ICV3	Initial Cal Check	Water	A21B196	"	4/6/2021 8:28:00PM
1D06062-ICV4	Initial Cal Check	Water	A21B197	"	4/6/2021 8:46:00PM
1D06062-ICV5	Initial Cal Check	Water	A21B267	"	4/6/2021 9:03:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1D0703** Instrument: **DUALECD2R**

1311/8082 TCLP PCBs Sequence: **1D06062** Matrix: **Water**

1D06062-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20.0	0	
Aroclor 1260	0.0000	0.00	20.0	0	
Aroclor 1016	0.0000	0.00	20.0	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1D06062

Aroclor 1260	0.0000	0.00	20.0	0	
1D06062-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
1D06062-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
Aroclor 1016	0.0000	0.00	100	0	
Aroclor 1260	0.0000	0.00	100	0	
1D06062-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
Aroclor 1016	0.0000	0.00	200	0	
Aroclor 1260	0.0000	0.00	200	0	
1D06062-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
Aroclor 1016	0.0000	0.00	500	0	
Aroclor 1260	0.0000	0.00	500	0	
1D06062-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
Aroclor 1016	0.0000	0.00	1000	0	
Aroclor 1260	0.0000	0.00	1000	0	
1D06062-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
Aroclor 1016	0.0000	0.00	1500	0	
Aroclor 1260	0.0000	0.00	1500	0	
1D06062-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1221	0.0000	0.00	500	0	
Aroclor 1221	0.0000	0.00	500	0	
1D06062-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1232	0.0000	0.00	500	0	
Aroclor 1232	0.0000	0.00	500	0	
1D06062-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1242	0.0000	0.00	500	0	
Aroclor 1242	0.0000	0.00	500	0	
1D06062-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Aroclor 1248	0.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1D06062

1D06062-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

1D06062-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

1D06062-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1268	0.0000	0.00	500	0	
Aroclor 1268	0.0000	0.00	500	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A1D0703** Instrument: **DUALECD2R**

8082 PCBs - Low Level (2mL Sequence: **1D06062** Matrix: **Water**

1D06062-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.655	6203923	89.386	ng/ml
64)	S DCBP (S)	10.599	3067541	88.080	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.330	504	0.241	ng/ml
3)	Aroclor 1016 (2)	6.798	2958	0.811	ng/ml
4)	Aroclor 1016 (3)	6.937	740	0.440	ng/ml
5)	Aroclor 1016 (4)	7.039	354	0.206	ng/ml
6)	Aroclor 1016 (5)	7.076	314	0.164	ng/ml
7)	Aroclor 1016 (6)	7.206	451	0.236	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.841	1725	3.438	ng/ml
10)	Aroclor 1221 (2)	5.910	734	1.467	ng/ml
11)	Aroclor 1221 (3)	5.963	74989	44.145	ng/ml
12)	Aroclor 1221 (4)	6.500	1023	2.965	ng/ml
13)	Aroclor 1221 (5)	6.798	2958	11.378	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.963	74989	55.238	ng/ml
16)	Aroclor 1232 (2)	6.330	504	0.588	ng/ml
17)	Aroclor 1232 (3)	6.798	2958	2.058	ng/ml
18)	Aroclor 1232 (4)	7.039	354	0.623	ng/ml
19)	Aroclor 1232 (5)	7.076	314	0.471	ng/ml
20)	Aroclor 1232 (6)	7.206	451	0.655	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.330	504	0.311	ng/ml
23)	Aroclor 1242 (2)	6.798	2958	1.056	ng/ml
24)	Aroclor 1242 (3)	6.937	740	0.572	ng/ml
25)	Aroclor 1242 (4)	7.023	270	0.215	ng/ml
26)	Aroclor 1242 (5)	7.076	314	0.219	ng/ml
27)	Aroclor 1242 (6)	7.206	451	0.298	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.798	2958	1.798 ng/ml
30)	Aroclor 1248 (2)	7.039	354	0.160 ng/ml
31)	Aroclor 1248 (3)	7.076	314	0.150 ng/ml
32)	Aroclor 1248 (4)	7.206	451	0.180 ng/ml
33)	Aroclor 1248 (5)	7.568	1163	0.367 ng/ml
34)	Aroclor 1248 (6)	7.725	9934	3.508 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.544	634	0.195 ng/ml
37)	Aroclor 1254 (2)	7.725	9934	1.909 ng/ml
38)	Aroclor 1254 (3)	8.032	227	0.043 ng/ml
39)	Aroclor 1254 (4)	8.293	20961	5.183 ng/ml
40)	Aroclor 1254 (5)	8.610	340	0.082 ng/ml
41)	Aroclor 1254 (6)	8.857	3412	2.849 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.167	357	0.093 ng/ml
44)	Aroclor 1260 (2)	8.369	1191	0.254 ng/ml
45)	Aroclor 1260 (3)	8.610	340	0.073 ng/ml
46)	Aroclor 1260 (4)	9.096	488	0.065 ng/ml
47)	Aroclor 1260 (5)	9.358	1594	0.365 ng/ml
48)	Aroclor 1260 (6)	9.927	1692	0.994 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.369	1191	0.300 ng/ml
51)	Aroclor 1262 (2)	8.683	405	0.071 ng/ml
52)	Aroclor 1262 (3)	8.857	3412	0.740 ng/ml
53)	Aroclor 1262 (4)	9.096	488	0.051 ng/ml
54)	Aroclor 1262 (5)	9.358	1594	0.277 ng/ml
55)	Aroclor 1262 (6)	9.927	1692	0.667 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.901	4292	1.892 ng/ml
58)	Aroclor 1268 (2)	9.358	1594	0.156 ng/ml
59)	Aroclor 1268 (3)	9.422	1190	0.147 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

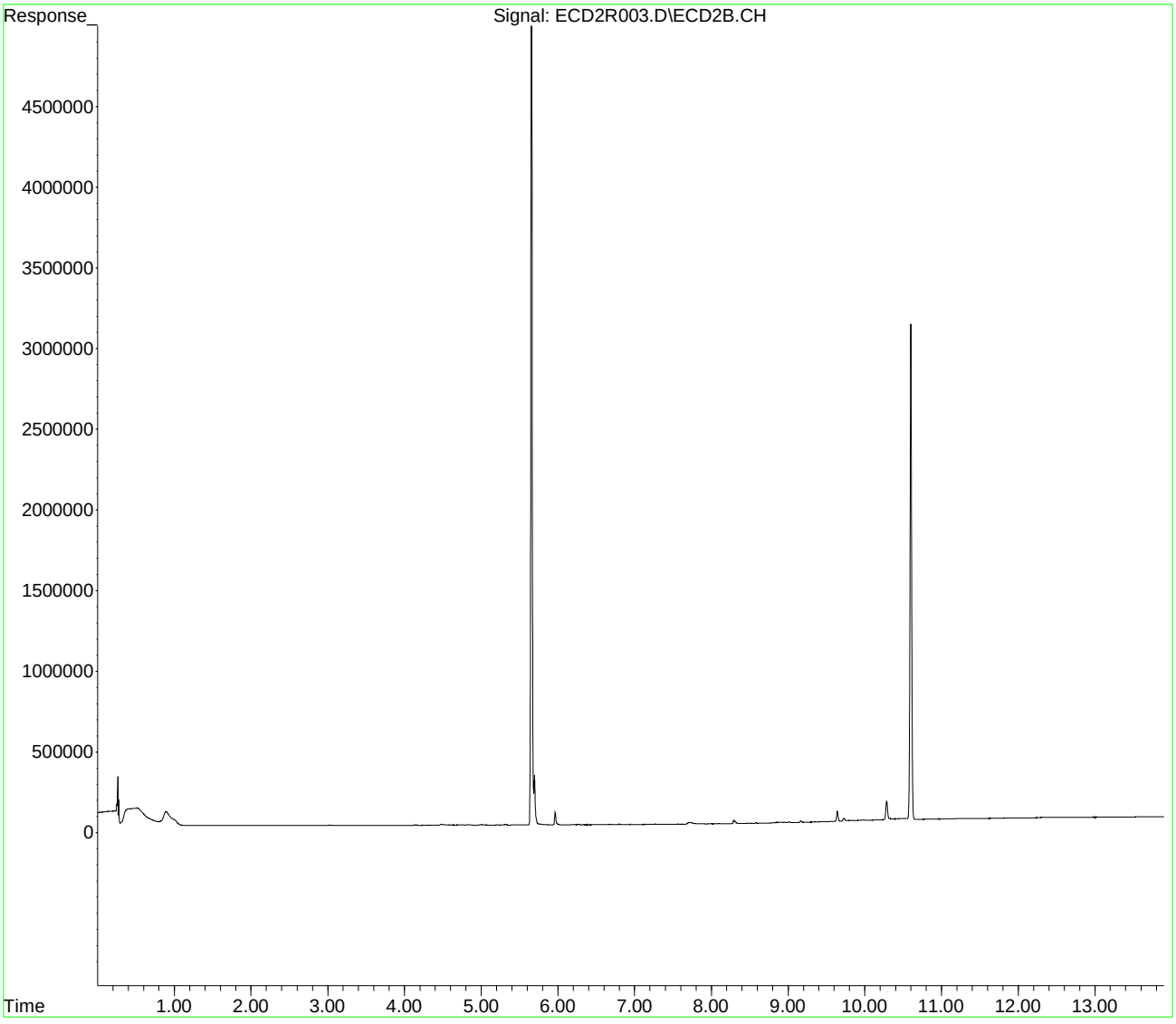
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	61240	8.635	ng/ml
61)	Aroclor 1268 (5)	9.927	1692	0.661	ng/ml
62)	Aroclor 1268 (6)	10.284	115709	6.306	ng/ml
63)	Aroclor 1268 - AVE	1.842	10581	NoCal	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

JC 4/7/21

Clean

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	5.655	6203923	89.386 ng/ml
64) S	DCBP (S)	10.599	3067541	88.080 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.330	504	0.241 ng/ml
3)	Aroclor 1016 (2)	6.798	2958	0.811 ng/ml
4)	Aroclor 1016 (3)	6.937	740	0.440 ng/ml
5)	Aroclor 1016 (4)	7.039	354	0.206 ng/ml
6)	Aroclor 1016 (5)	7.076	314	0.164 ng/ml
7)	Aroclor 1016 (6)	7.206	451	0.236 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.841	1725	3.438 ng/ml
10)	Aroclor 1221 (2)	5.910	734	1.467 ng/ml
11)	Aroclor 1221 (3)	5.963	74989	44.145 ng/ml
12)	Aroclor 1221 (4)	6.500	1023	2.965 ng/ml
13)	Aroclor 1221 (5)	6.798	2958	11.378 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.963	74989	55.238 ng/ml
16)	Aroclor 1232 (2)	6.330	504	0.588 ng/ml
17)	Aroclor 1232 (3)	6.798	2958	2.058 ng/ml
18)	Aroclor 1232 (4)	7.039	354	0.623 ng/ml
19)	Aroclor 1232 (5)	7.076	314	0.471 ng/ml
20)	Aroclor 1232 (6)	7.206	451	0.655 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.330	504	0.311 ng/ml
23)	Aroclor 1242 (2)	6.798	2958	1.056 ng/ml
24)	Aroclor 1242 (3)	6.937	740	0.572 ng/ml
25)	Aroclor 1242 (4)	7.023	270	0.215 ng/ml
26)	Aroclor 1242 (5)	7.076	314	0.219 ng/ml
27)	Aroclor 1242 (6)	7.206	451	0.298 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.798	2958	1.798 ng/ml
30)	Aroclor 1248 (2)	7.039	354	0.160 ng/ml
31)	Aroclor 1248 (3)	7.076	314	0.150 ng/ml
32)	Aroclor 1248 (4)	7.206	451	0.180 ng/ml
33)	Aroclor 1248 (5)	7.568	1163	0.367 ng/ml
34)	Aroclor 1248 (6)	7.725	9934	3.508 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.544	634	0.195 ng/ml
37)	Aroclor 1254 (2)	7.725	9934	1.909 ng/ml
38)	Aroclor 1254 (3)	8.032	227	0.043 ng/ml
39)	Aroclor 1254 (4)	8.293	20961	5.183 ng/ml
40)	Aroclor 1254 (5)	8.610	340	0.082 ng/ml
41)	Aroclor 1254 (6)	8.857	3412	2.849 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.167	357	0.093 ng/ml
44)	Aroclor 1260 (2)	8.369	1191	0.254 ng/ml
45)	Aroclor 1260 (3)	8.610	340	0.073 ng/ml
46)	Aroclor 1260 (4)	9.096	488	0.065 ng/ml
47)	Aroclor 1260 (5)	9.358	1594	0.365 ng/ml
48)	Aroclor 1260 (6)	9.927	1692	0.994 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.369	1191	0.300 ng/ml
51)	Aroclor 1262 (2)	8.683	405	0.071 ng/ml
52)	Aroclor 1262 (3)	8.857	3412	0.740 ng/ml
53)	Aroclor 1262 (4)	9.096	488	0.051 ng/ml
54)	Aroclor 1262 (5)	9.358	1594	0.277 ng/ml
55)	Aroclor 1262 (6)	9.927	1692	0.667 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.901	4292	1.892 ng/ml
58)	Aroclor 1268 (2)	9.358	1594	0.156 ng/ml
59)	Aroclor 1268 (3)	9.422	1190	0.147 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

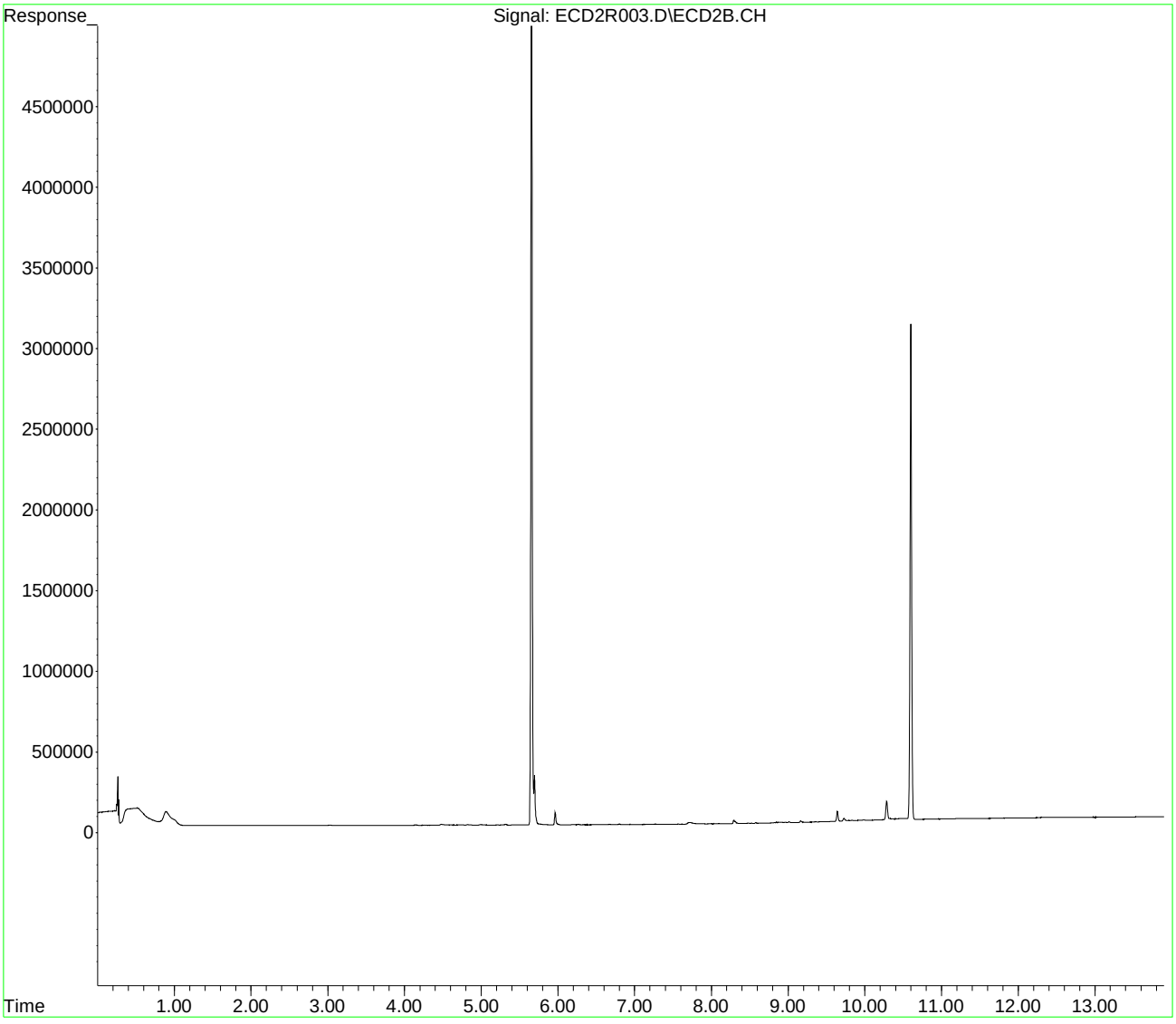
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	61240	8.635	ng/ml
61)	Aroclor 1268 (5)	9.927	1692	0.661	ng/ml
62)	Aroclor 1268 (6)	10.284	115709	6.306	ng/ml
63)	Aroclor 1268 - AVE	1.842	10581	NoCal	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:11 pm
Operator : MJB / KAK
Sample : 1D06062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:24:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:32 pm
Operator : MJB / KAK
Sample : 1D06062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

JC 4/7/21

No carryover

Integration File: events.e
Quant Time: Apr 07 11:28:48 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	5.694f	9470	0.136 ng/ml
64) S	DCBP (S)	10.596	1942	0.056 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.328	605	0.289 ng/ml
3)	Aroclor 1016 (2)	6.798	8303	2.276 ng/ml
4)	Aroclor 1016 (3)	6.954	2754	1.640 ng/ml
5)	Aroclor 1016 (4)	7.036	1426	0.829 ng/ml
6)	Aroclor 1016 (5)	7.078	1155	0.601 ng/ml
7)	Aroclor 1016 (6)	7.204	1518	0.795 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.836	2340	4.663 ng/ml
10)	Aroclor 1221 (2)	5.906	1821	3.637 ng/ml
11)	Aroclor 1221 (3)	5.995	1653	0.973 ng/ml
12)	Aroclor 1221 (4)	6.496	1906	5.526 ng/ml
13)	Aroclor 1221 (5)	6.798	8303	31.942 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.995	1653	1.218 ng/ml
16)	Aroclor 1232 (2)	6.328	605	0.706 ng/ml
17)	Aroclor 1232 (3)	6.798	8303	5.776 ng/ml
18)	Aroclor 1232 (4)	7.036	1426	2.509 ng/ml
19)	Aroclor 1232 (5)	7.078	1155	1.732 ng/ml
20)	Aroclor 1232 (6)	7.204	1518	2.207 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.328	605	0.373 ng/ml
23)	Aroclor 1242 (2)	6.798	8303	2.966 ng/ml
24)	Aroclor 1242 (3)	6.954	2754	2.129 ng/ml
25)	Aroclor 1242 (4)	7.036	1426	1.134 ng/ml
26)	Aroclor 1242 (5)	7.078	1155	0.804 ng/ml
27)	Aroclor 1242 (6)	7.204	1518	1.004 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:32 pm
Operator : MJB / KAK
Sample : 1D06062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:28:48 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc Units
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.798	8303	5.048 ng/ml
30)	Aroclor 1248 (2)	7.036	1426	0.643 ng/ml
31)	Aroclor 1248 (3)	7.078	1155	0.552 ng/ml
32)	Aroclor 1248 (4)	7.204	1518	0.605 ng/ml
33)	Aroclor 1248 (5)	7.572	630	0.199 ng/ml
34)	Aroclor 1248 (6)	7.711	15006	5.299 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.536	298	0.092 ng/ml
37)	Aroclor 1254 (2)	7.711	15006	2.884 ng/ml
38)	Aroclor 1254 (3)	8.036	701	0.132 ng/ml
39)	Aroclor 1254 (4)	8.292	21498	5.316 ng/ml
40)	Aroclor 1254 (5)	8.613	1657	0.400 ng/ml
41)	Aroclor 1254 (6)	8.843	4922	4.109 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.174	1159	0.302 ng/ml
44)	Aroclor 1260 (2)	8.377	2491	0.532 ng/ml
45)	Aroclor 1260 (3)	8.613	1657	0.356 ng/ml
46)	Aroclor 1260 (4)	9.097	1735	0.231 ng/ml
47)	Aroclor 1260 (5)	9.358	1201	0.275 ng/ml
48)	Aroclor 1260 (6)	9.930	661	0.389 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.377	2491	0.628 ng/ml
51)	Aroclor 1262 (2)	8.683	1263	0.221 ng/ml
52)	Aroclor 1262 (3)	8.850	4891	1.060 ng/ml
53)	Aroclor 1262 (4)	9.097	1735	0.183 ng/ml
54)	Aroclor 1262 (5)	9.358	1201	0.209 ng/ml
55)	Aroclor 1262 (6)	9.930	661	0.261 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.898	823	0.363 ng/ml
58)	Aroclor 1268 (2)	9.358	1201	0.117 ng/ml
59)	Aroclor 1268 (3)	9.450	5623	0.695 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:32 pm
Operator : MJB / KAK
Sample : 1D06062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:28:48 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

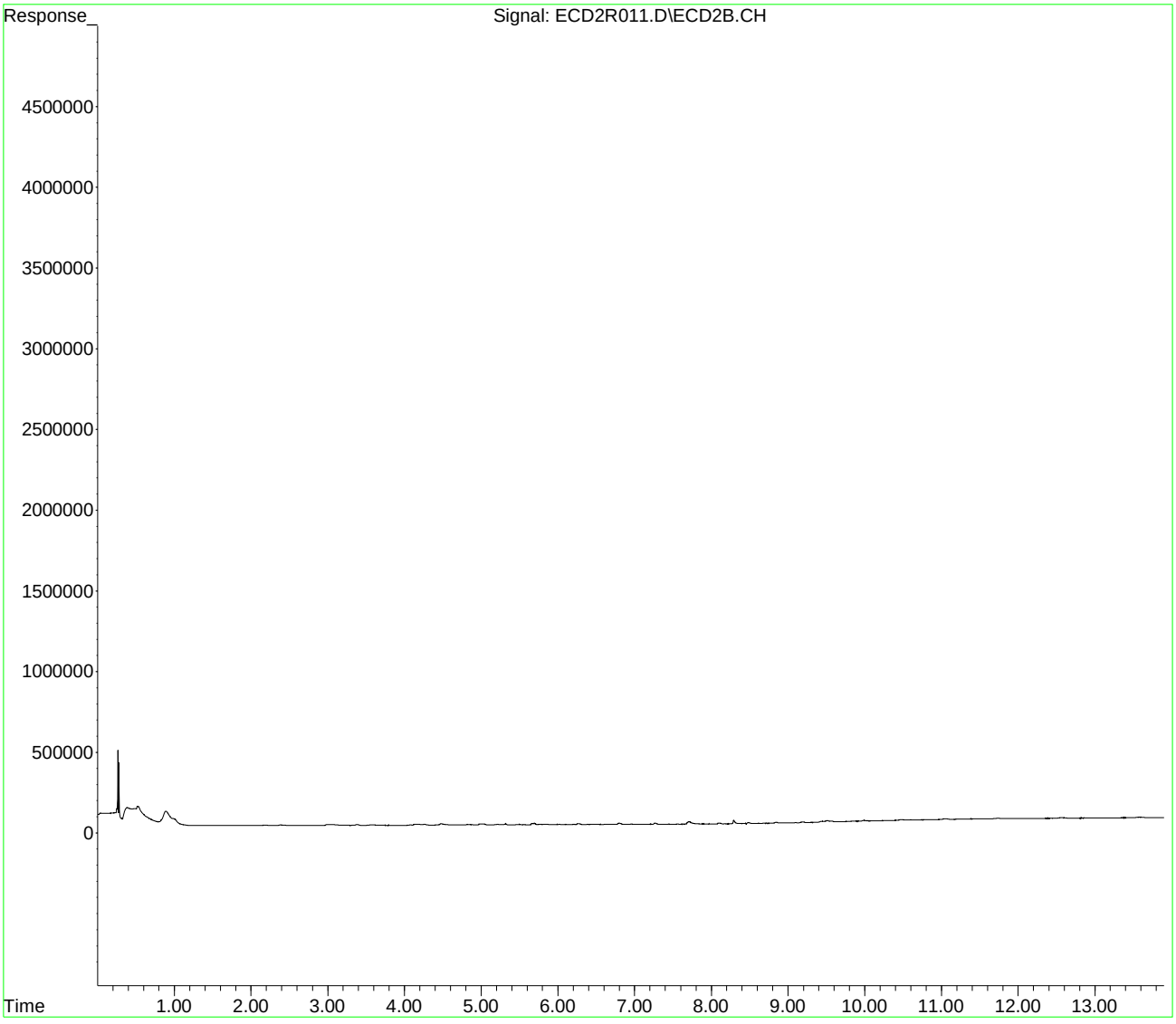
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.643	1362	0.192 ng/ml
61)	Aroclor 1268 (5)	9.930	661	0.258 ng/ml
62)	Aroclor 1268 (6)	10.281	569	0.031 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:32 pm
Operator : MJB / KAK
Sample : 1D06062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:28:48 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	14322916	206.364	ng/ml
64) S	DCBP (S)	10.598	6780628	194.695	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	1030967	492.259	ng/ml
3)	Aroclor 1016 (2)	6.817	1892805	518.784	ng/ml
4)	Aroclor 1016 (3)	6.944	826089	491.819	ng/ml
5)	Aroclor 1016 (4)	7.032	801373	465.995	ng/ml
6)	Aroclor 1016 (5)	7.077	918742	477.810	ng/ml
7)	Aroclor 1016 (6)	7.202	924131	483.776	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.831	64838	129.207	ng/ml
10)	Aroclor 1221 (2)	5.905	123365	246.414	ng/ml
11)	Aroclor 1221 (3)	5.992	601552	354.123	ng/ml
12)	Aroclor 1221 (4)	6.501	592871	1718.955	ng/ml
13)	Aroclor 1221 (5)	6.817	1892805	7281.933	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	601552	443.109	ng/ml
16)	Aroclor 1232 (2)	6.328	1030967	1202.905	ng/ml
17)	Aroclor 1232 (3)	6.817	1892805	1316.781	ng/ml
18)	Aroclor 1232 (4)	7.032	801373	1409.957	ng/ml
19)	Aroclor 1232 (5)	7.077	918742	1377.721	ng/ml
20)	Aroclor 1232 (6)	7.202	924131	1342.952	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	1030967	635.050	ng/ml
23)	Aroclor 1242 (2)	6.817	1892805	676.133	ng/ml
24)	Aroclor 1242 (3)	6.944	826089	638.619	ng/ml
25)	Aroclor 1242 (4)	7.032	801373	636.921	ng/ml
26)	Aroclor 1242 (5)	7.077	918742	639.158	ng/ml
27)	Aroclor 1242 (6)	7.202	924131	611.116	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	1529273	929.859	ng/ml
30)	Aroclor 1248 (2)	7.032	801373	361.377	ng/ml
31)	Aroclor 1248 (3)	7.077	918742	438.882	ng/ml
32)	Aroclor 1248 (4)	7.202	924131	368.304	ng/ml
33)	Aroclor 1248 (5)	7.566	181007	57.199	ng/ml
34)	Aroclor 1248 (6)	7.726	889841	314.201	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	754127	231.822	ng/ml
37)	Aroclor 1254 (2)	7.726	889841	170.994	ng/ml
38)	Aroclor 1254 (3)	8.036	450086	84.429	ng/ml
39)	Aroclor 1254 (4)	8.276	285713	70.652	ng/ml
40)	Aroclor 1254 (5)	8.611	2733775	659.053	ng/ml
41)	Aroclor 1254 (6)	8.831	305975	255.463	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	2150574	560.733	ng/ml
44)	Aroclor 1260 (2)	8.379	2548279	543.905	ng/ml
45)	Aroclor 1260 (3)	8.611	2733775	586.803	ng/ml
46)	Aroclor 1260 (4)	9.097	3614249	480.279	ng/ml
47)	Aroclor 1260 (5)	9.359	2102593	481.684	ng/ml
48)	Aroclor 1260 (6)	9.928	626153	367.879	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	2548279	642.541	ng/ml
51)	Aroclor 1262 (2)	8.680	1569617	275.109	ng/ml
52)	Aroclor 1262 (3)	8.858	1581534	342.835	ng/ml
53)	Aroclor 1262 (4)	9.097	3614249	380.177	ng/ml
54)	Aroclor 1262 (5)	9.359	2102593	365.900	ng/ml
55)	Aroclor 1262 (6)	9.928	626153	246.918	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	103781	45.755	ng/ml
58)	Aroclor 1268 (2)	9.359	2102593	205.439	ng/ml
59)	Aroclor 1268 (3)	9.423	670949	82.952	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

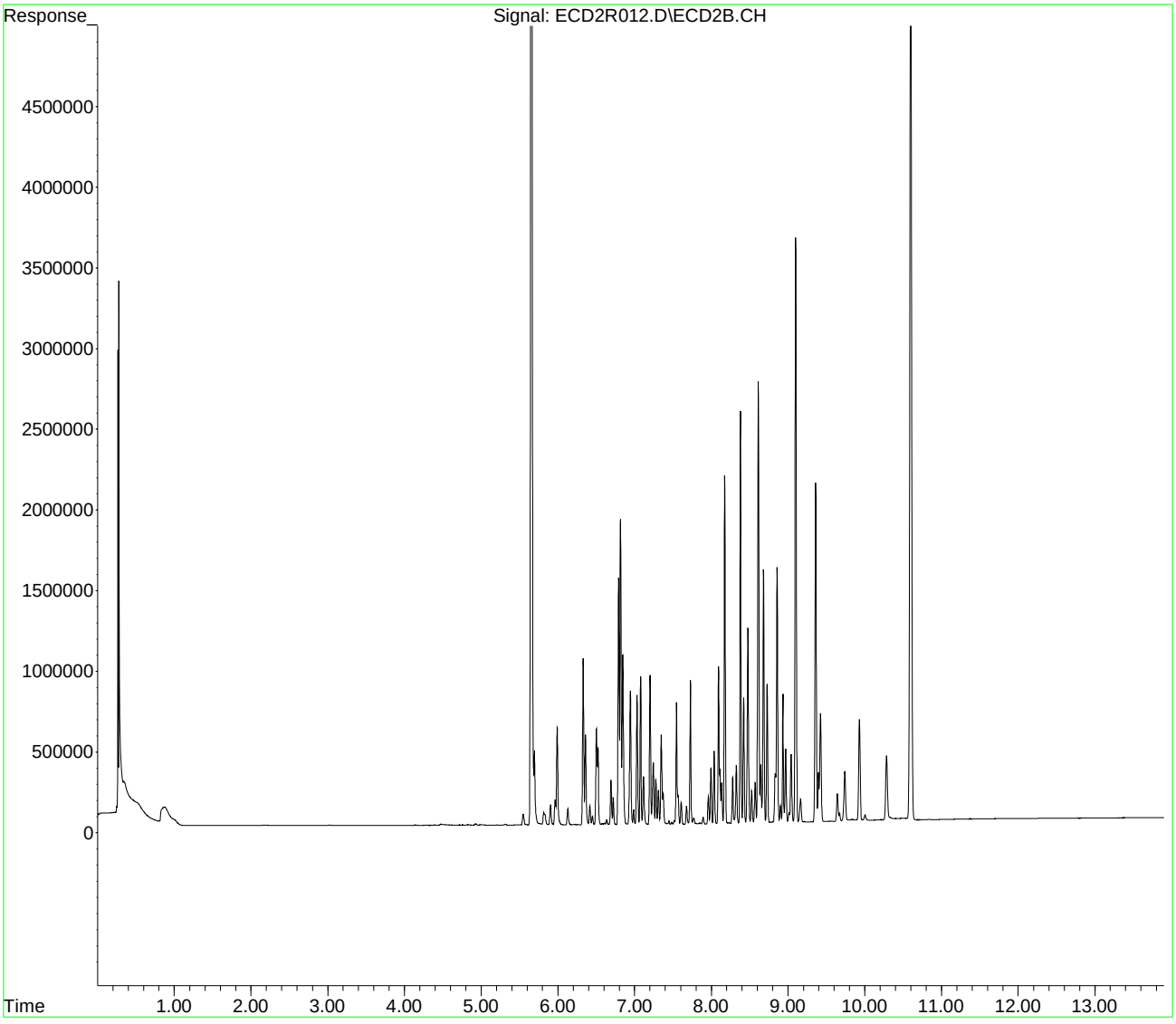
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	170930	24.102	ng/ml
61)	Aroclor 1268 (5)	9.928	626153	244.685	ng/ml
62)	Aroclor 1268 (6)	10.282	395382	21.547	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.655	14322916	206.364	ng/ml	
64) S	DCBP (S)	10.598	6780628	194.695	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.328	1030967	492.259	ng/ml	
3)	Aroclor 1016 (2)	6.817	1892805	518.784	ng/ml	
4)	Aroclor 1016 (3)	6.944	826089	491.819	ng/ml	488.41
5)	Aroclor 1016 (4)	7.032	801373	465.995	ng/ml	
6)	Aroclor 1016 (5)	7.077	918742	477.810	ng/ml	
7)	Aroclor 1016 (6)	7.202	924131	483.776	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.831	64838	129.207	ng/ml	
10)	Aroclor 1221 (2)	5.905	123365	246.414	ng/ml	
11)	Aroclor 1221 (3)	5.992	601552	354.123	ng/ml	
12)	Aroclor 1221 (4)	6.501	592871	1718.955	ng/ml	
13)	Aroclor 1221 (5)	6.817	1892805	7281.933	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.992	601552	443.109	ng/ml	
16)	Aroclor 1232 (2)	6.328	1030967	1202.905	ng/ml	
17)	Aroclor 1232 (3)	6.817	1892805	1316.781	ng/ml	
18)	Aroclor 1232 (4)	7.032	801373	1409.957	ng/ml	
19)	Aroclor 1232 (5)	7.077	918742	1377.721	ng/ml	
20)	Aroclor 1232 (6)	7.202	924131	1342.952	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.328	1030967	635.050	ng/ml	
23)	Aroclor 1242 (2)	6.817	1892805	676.133	ng/ml	
24)	Aroclor 1242 (3)	6.944	826089	638.619	ng/ml	
25)	Aroclor 1242 (4)	7.032	801373	636.921	ng/ml	
26)	Aroclor 1242 (5)	7.077	918742	639.158	ng/ml	
27)	Aroclor 1242 (6)	7.202	924131	611.116	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.790	1529273	929.859	ng/ml	
30)	Aroclor 1248 (2)	7.032	801373	361.377	ng/ml	
31)	Aroclor 1248 (3)	7.077	918742	438.882	ng/ml	
32)	Aroclor 1248 (4)	7.202	924131	368.304	ng/ml	
33)	Aroclor 1248 (5)	7.566	181007	57.199	ng/ml	
34)	Aroclor 1248 (6)	7.726	889841	314.201	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.545	754127	231.822	ng/ml	
37)	Aroclor 1254 (2)	7.726	889841	170.994	ng/ml	
38)	Aroclor 1254 (3)	8.036	450086	84.429	ng/ml	
39)	Aroclor 1254 (4)	8.276	285713	70.652	ng/ml	
40)	Aroclor 1254 (5)	8.611	2733775	659.053	ng/ml	
41)	Aroclor 1254 (6)	8.831	305975	255.463	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.173	2150574	560.733	ng/ml	
44)	Aroclor 1260 (2)	8.379	2548279	543.905	ng/ml	
45)	Aroclor 1260 (3)	8.611	2733775	586.803	ng/ml	
46)	Aroclor 1260 (4)	9.097	3614249	480.279	ng/ml	503.55
47)	Aroclor 1260 (5)	9.359	2102593	481.684	ng/ml	
48)	Aroclor 1260 (6)	9.928	626153	367.879	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.379	2548279	642.541	ng/ml	
51)	Aroclor 1262 (2)	8.680	1569617	275.109	ng/ml	
52)	Aroclor 1262 (3)	8.858	1581534	342.835	ng/ml	
53)	Aroclor 1262 (4)	9.097	3614249	380.177	ng/ml	
54)	Aroclor 1262 (5)	9.359	2102593	365.900	ng/ml	
55)	Aroclor 1262 (6)	9.928	626153	246.918	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.900	103781	45.755	ng/ml	
58)	Aroclor 1268 (2)	9.359	2102593	205.439	ng/ml	
59)	Aroclor 1268 (3)	9.423	670949	82.952	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

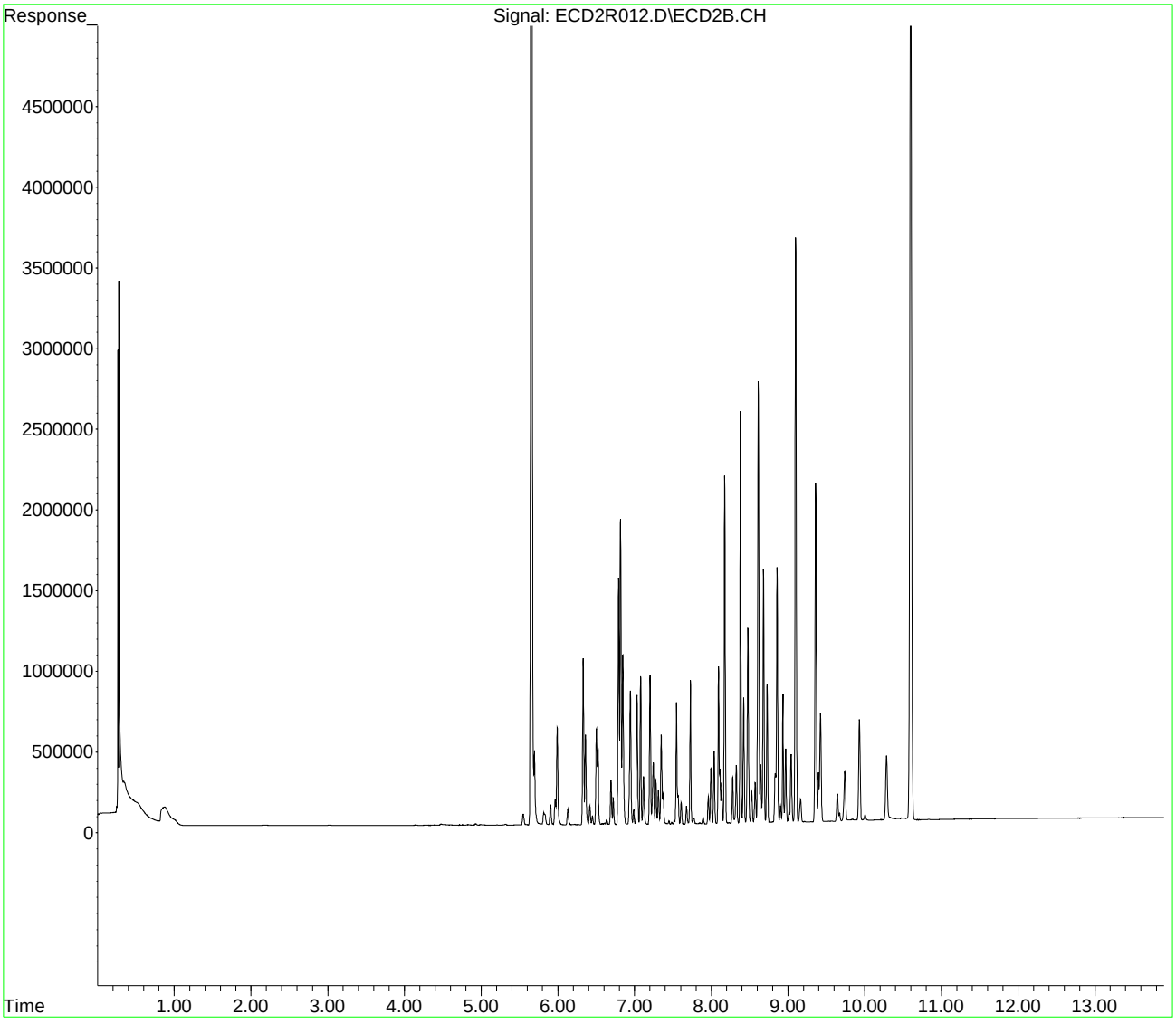
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	170930	24.102	ng/ml
61)	Aroclor 1268 (5)	9.928	626153	244.685	ng/ml
62)	Aroclor 1268 (6)	10.282	395382	21.547	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:49 pm
Operator : MJB / KAK
Sample : 1D06062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:29:38 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	2803181	40.388	ng/ml
64) S	DCBP (S)	10.598	3103777	89.120	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	179447	85.681	ng/ml
3)	Aroclor 1016 (2)	6.818	271678	74.462	ng/ml
4)	Aroclor 1016 (3)	6.944	129209	76.926	ng/ml
5)	Aroclor 1016 (4)	7.032	951989	553.578	ng/ml
6)	Aroclor 1016 (5)	7.077	333040	173.204	ng/ml
7)	Aroclor 1016 (6)	7.203	593278	310.577	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.833	491080	978.605	ng/ml
10)	Aroclor 1221 (2)	5.905	471289	941.373	ng/ml
11)	Aroclor 1221 (3)	5.993	1684047	991.367	ng/ml
12)	Aroclor 1221 (4)	6.504	329766	956.115	ng/ml
13)	Aroclor 1221 (5)	6.818	271678	1045.191	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	1684047	1240.484	ng/ml
16)	Aroclor 1232 (2)	6.328	179447	209.374	ng/ml
17)	Aroclor 1232 (3)	6.818	271678	189.000	ng/ml
18)	Aroclor 1232 (4)	7.032	951989	1674.954	ng/ml
19)	Aroclor 1232 (5)	7.077	333040	499.418	ng/ml
20)	Aroclor 1232 (6)	7.203	593278	862.155	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	179447	110.535	ng/ml
23)	Aroclor 1242 (2)	6.818	271678	97.047	ng/ml
24)	Aroclor 1242 (3)	6.944	129209	99.887	ng/ml
25)	Aroclor 1242 (4)	7.032	951989	756.628	ng/ml
26)	Aroclor 1242 (5)	7.077	333040	231.692	ng/ml
27)	Aroclor 1242 (6)	7.203	593278	392.328	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	232051	141.096	ng/ml
30)	Aroclor 1248 (2)	7.032	951989	429.296	ng/ml
31)	Aroclor 1248 (3)	7.077	333040	159.093	ng/ml
32)	Aroclor 1248 (4)	7.203	593278	236.446	ng/ml
33)	Aroclor 1248 (5)	7.568	911685	288.096	ng/ml
34)	Aroclor 1248 (6)	7.727	2584783	912.681	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	1664932	511.807	ng/ml
37)	Aroclor 1254 (2)	7.727	2584783	496.699	ng/ml
38)	Aroclor 1254 (3)	8.037	2707869	507.955	ng/ml
39)	Aroclor 1254 (4)	8.276	1965479	486.031	ng/ml
40)	Aroclor 1254 (5)	8.610	2061722	497.036	ng/ml
41)	Aroclor 1254 (6)	8.840	553262	461.928	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	980974	255.776	ng/ml
44)	Aroclor 1260 (2)	8.379	1152863	246.067	ng/ml
45)	Aroclor 1260 (3)	8.610	2061722	442.547	ng/ml
46)	Aroclor 1260 (4)	9.097	328400	43.639	ng/ml
47)	Aroclor 1260 (5)	9.357	253389	58.049	ng/ml
48)	Aroclor 1260 (6)	9.929	17317	10.174	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	1152863	290.691	ng/ml
51)	Aroclor 1262 (2)	8.680	112027	19.635	ng/ml
52)	Aroclor 1262 (3)	8.840	553262	119.933	ng/ml
53)	Aroclor 1262 (4)	9.097	328400	34.544	ng/ml
54)	Aroclor 1262 (5)	9.357	253389	44.096	ng/ml
55)	Aroclor 1262 (6)	9.929	17317	6.829	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.901	13414	5.914	ng/ml
58)	Aroclor 1268 (2)	9.357	253389	24.758	ng/ml
59)	Aroclor 1268 (3)	9.422	20224	2.500	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

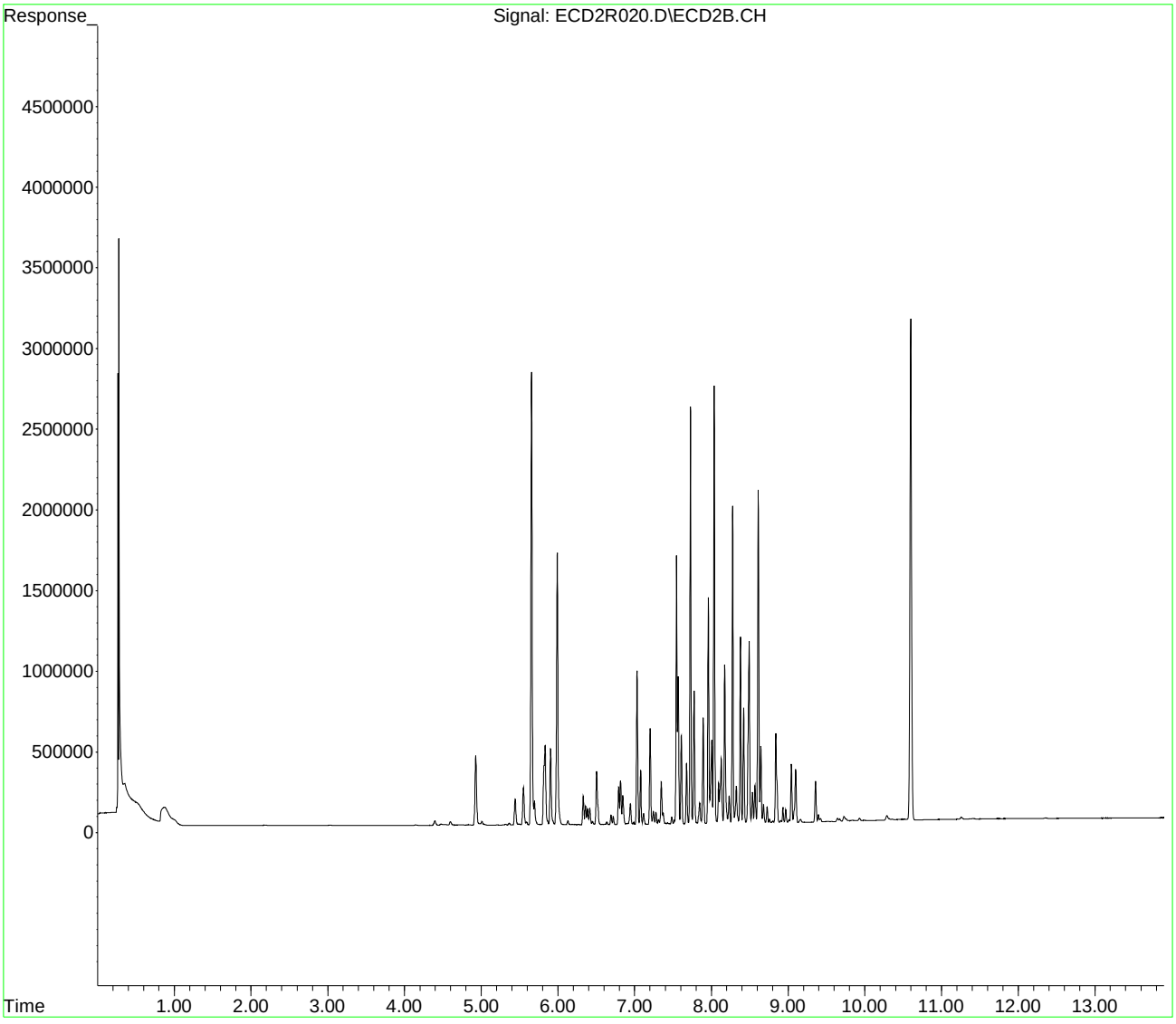
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.642	20958	2.955 ng/ml
61)	Aroclor 1268 (5)	9.929	17317	6.767 ng/ml
62)	Aroclor 1268 (6)	10.287	28524	1.555 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.656	2803181	40.388	ng/ml	
64) S	DCBP (S)	10.598	3103777	89.120	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.328	179447	85.681	ng/ml	
3)	Aroclor 1016 (2)	6.818	271678	74.462	ng/ml	
4)	Aroclor 1016 (3)	6.944	129209	76.926	ng/ml	
5)	Aroclor 1016 (4)	7.032	951989	553.578	ng/ml	
6)	Aroclor 1016 (5)	7.077	333040	173.204	ng/ml	
7)	Aroclor 1016 (6)	7.203	593278	310.577	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.833	491080	978.605	ng/ml	
10)	Aroclor 1221 (2)	5.905	471289	941.373	ng/ml	
11)	Aroclor 1221 (3)	5.993	1684047	991.367	ng/ml	982.53
12)	Aroclor 1221 (4)	6.504	329766	956.115	ng/ml	
13)	Aroclor 1221 (5)	6.818	271678	1045.191	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.993	1684047	1240.484	ng/ml	
16)	Aroclor 1232 (2)	6.328	179447	209.374	ng/ml	
17)	Aroclor 1232 (3)	6.818	271678	189.000	ng/ml	
18)	Aroclor 1232 (4)	7.032	951989	1674.954	ng/ml	
19)	Aroclor 1232 (5)	7.077	333040	499.418	ng/ml	
20)	Aroclor 1232 (6)	7.203	593278	862.155	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.328	179447	110.535	ng/ml	
23)	Aroclor 1242 (2)	6.818	271678	97.047	ng/ml	
24)	Aroclor 1242 (3)	6.944	129209	99.887	ng/ml	
25)	Aroclor 1242 (4)	7.032	951989	756.628	ng/ml	
26)	Aroclor 1242 (5)	7.077	333040	231.692	ng/ml	
27)	Aroclor 1242 (6)	7.203	593278	392.328	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.790	232051	141.096	ng/ml	
30)	Aroclor 1248 (2)	7.032	951989	429.296	ng/ml	
31)	Aroclor 1248 (3)	7.077	333040	159.093	ng/ml	
32)	Aroclor 1248 (4)	7.203	593278	236.446	ng/ml	
33)	Aroclor 1248 (5)	7.568	911685	288.096	ng/ml	
34)	Aroclor 1248 (6)	7.727	2584783	912.681	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.545	1664932	511.807	ng/ml	
37)	Aroclor 1254 (2)	7.727	2584783	496.699	ng/ml	
38)	Aroclor 1254 (3)	8.037	2707869	507.955	ng/ml	
39)	Aroclor 1254 (4)	8.276	1965479	486.031	ng/ml	493.58
40)	Aroclor 1254 (5)	8.610	2061722	497.036	ng/ml	
41)	Aroclor 1254 (6)	8.840	553262	461.928	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.173	980974	255.776	ng/ml	
44)	Aroclor 1260 (2)	8.379	1152863	246.067	ng/ml	
45)	Aroclor 1260 (3)	8.610	2061722	442.547	ng/ml	
46)	Aroclor 1260 (4)	9.097	328400	43.639	ng/ml	
47)	Aroclor 1260 (5)	9.357	253389	58.049	ng/ml	
48)	Aroclor 1260 (6)	9.929	17317	10.174	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.379	1152863	290.691	ng/ml	
51)	Aroclor 1262 (2)	8.680	112027	19.635	ng/ml	
52)	Aroclor 1262 (3)	8.840	553262	119.933	ng/ml	
53)	Aroclor 1262 (4)	9.097	328400	34.544	ng/ml	
54)	Aroclor 1262 (5)	9.357	253389	44.096	ng/ml	
55)	Aroclor 1262 (6)	9.929	17317	6.829	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.901	13414	5.914	ng/ml	
58)	Aroclor 1268 (2)	9.357	253389	24.758	ng/ml	
59)	Aroclor 1268 (3)	9.422	20224	2.500	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

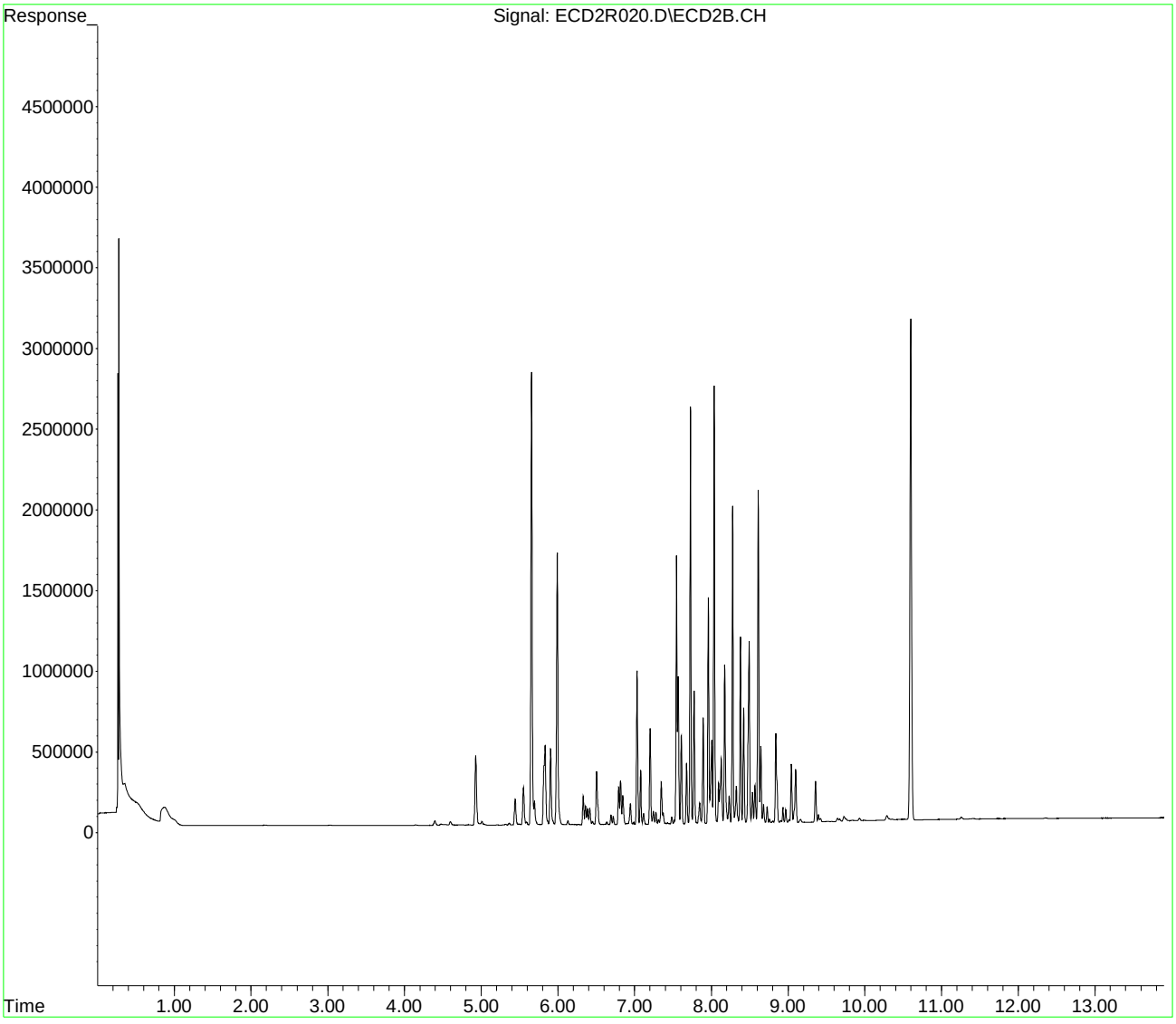
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.642	20958	2.955 ng/ml
61)	Aroclor 1268 (5)	9.929	17317	6.767 ng/ml
62)	Aroclor 1268 (6)	10.287	28524	1.555 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:10 pm
Operator : MJB / KAK
Sample : 1D06062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:34:59 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	2631954	37.921	ng/ml
64) S	DCBP (S)	10.599	3158169	90.682	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	430017	205.322	ng/ml
3)	Aroclor 1016 (2)	6.818	765012	209.676	ng/ml
4)	Aroclor 1016 (3)	6.945	352236	209.707	ng/ml
5)	Aroclor 1016 (4)	7.032	317724	184.755	ng/ml
6)	Aroclor 1016 (5)	7.078	360791	187.636	ng/ml
7)	Aroclor 1016 (6)	7.202	370036	193.711	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.834	151287	301.479	ng/ml
10)	Aroclor 1221 (2)	5.906	177084	353.716	ng/ml
11)	Aroclor 1221 (3)	5.993	657307	386.945	ng/ml
12)	Aroclor 1221 (4)	6.503	309450	897.210	ng/ml
13)	Aroclor 1221 (5)	6.818	765012	2943.129	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	657307	484.179	ng/ml
16)	Aroclor 1232 (2)	6.329	430017	501.732	ng/ml
17)	Aroclor 1232 (3)	6.818	765012	532.202	ng/ml
18)	Aroclor 1232 (4)	7.032	317724	559.011	ng/ml
19)	Aroclor 1232 (5)	7.078	360791	541.032	ng/ml
20)	Aroclor 1232 (6)	7.202	370036	537.739	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	430017	264.880	ng/ml
23)	Aroclor 1242 (2)	6.818	765012	273.272	ng/ml
24)	Aroclor 1242 (3)	6.945	352236	272.301	ng/ml
25)	Aroclor 1242 (4)	7.032	317724	252.523	ng/ml
26)	Aroclor 1242 (5)	7.078	360791	250.998	ng/ml
27)	Aroclor 1242 (6)	7.202	370036	244.700	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.791	597080	363.049	ng/ml
30)	Aroclor 1248 (2)	7.032	317724	143.276	ng/ml
31)	Aroclor 1248 (3)	7.078	360791	172.349	ng/ml
32)	Aroclor 1248 (4)	7.202	370036	147.475	ng/ml
33)	Aroclor 1248 (5)	7.567	434373	137.264	ng/ml
34)	Aroclor 1248 (6)	7.726	568802	200.843	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.548	438600	134.827	ng/ml
37)	Aroclor 1254 (2)	7.726	568802	109.303	ng/ml
38)	Aroclor 1254 (3)	8.037	224901	42.188	ng/ml
39)	Aroclor 1254 (4)	8.276	175986	43.518	ng/ml
40)	Aroclor 1254 (5)	8.613	1415830	341.326	ng/ml
41)	Aroclor 1254 (6)	8.828	447971	374.019	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	1544622	402.739	ng/ml
44)	Aroclor 1260 (2)	8.380	1875582	400.324	ng/ml
45)	Aroclor 1260 (3)	8.613	1415830	303.907	ng/ml
46)	Aroclor 1260 (4)	9.098	4344405	577.306	ng/ml
47)	Aroclor 1260 (5)	9.360	2544563	582.935	ng/ml
48)	Aroclor 1260 (6)	9.930	1170565	687.733	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	1875582	472.923	ng/ml
51)	Aroclor 1262 (2)	8.681	2513209	440.494	ng/ml
52)	Aroclor 1262 (3)	8.859	2007072	435.081	ng/ml
53)	Aroclor 1262 (4)	9.098	4344405	456.981	ng/ml
54)	Aroclor 1262 (5)	9.360	2544563	442.813	ng/ml
55)	Aroclor 1262 (6)	9.930	1170565	461.602	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	269040	118.615	ng/ml
58)	Aroclor 1268 (2)	9.360	2544563	248.623	ng/ml
59)	Aroclor 1268 (3)	9.424	1370515	169.442	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

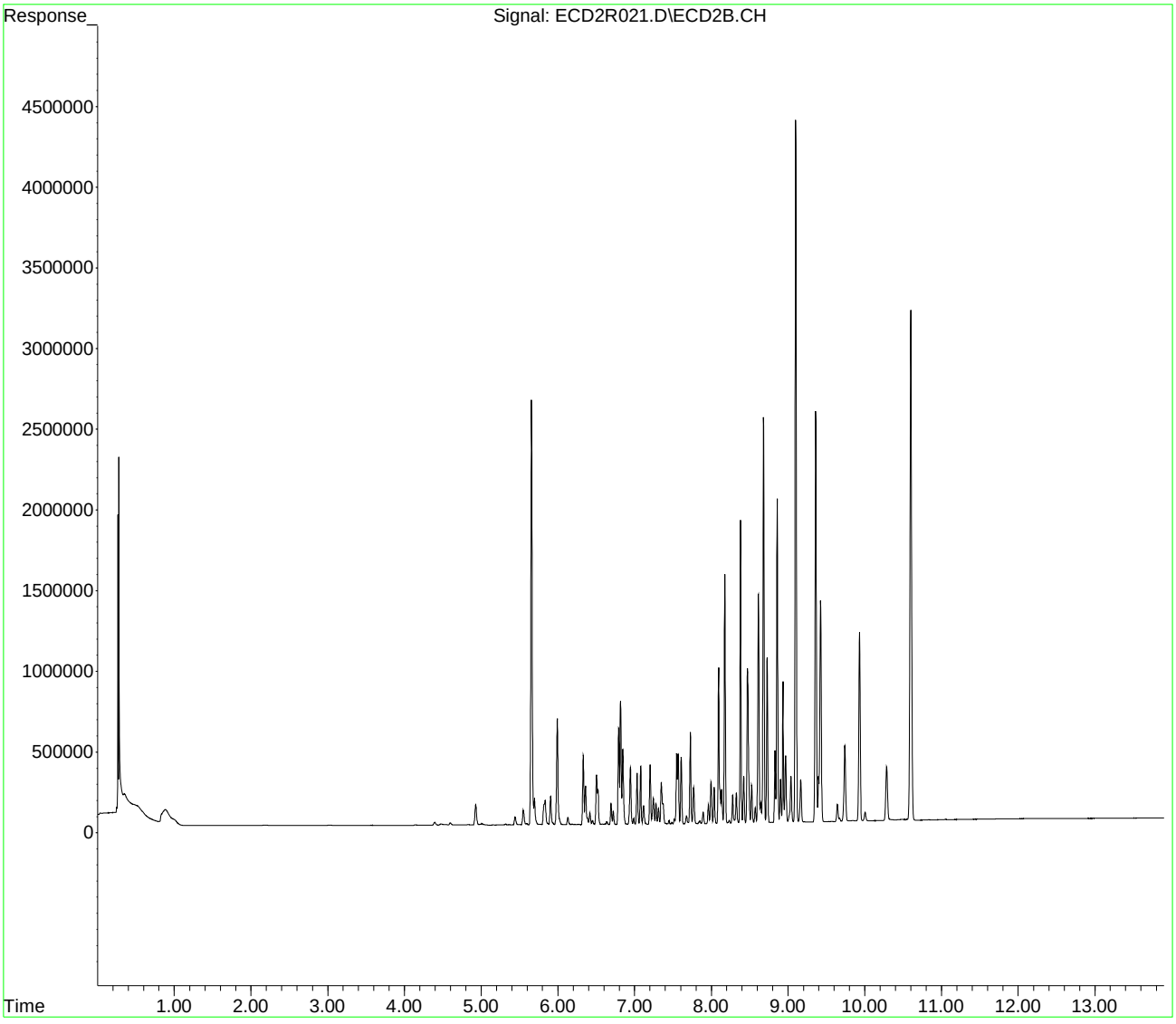
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	106481	15.014	ng/ml
61)	Aroclor 1268 (5)	9.930	1170565	457.428	ng/ml
62)	Aroclor 1268 (6)	10.284	333664	18.184	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.656	2631954	37.921	ng/ml	
64) S	DCBP (S)	10.599	3158169	90.682	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.329	430017	205.322	ng/ml	
3)	Aroclor 1016 (2)	6.818	765012	209.676	ng/ml	
4)	Aroclor 1016 (3)	6.945	352236	209.707	ng/ml	
5)	Aroclor 1016 (4)	7.032	317724	184.755	ng/ml	
6)	Aroclor 1016 (5)	7.078	360791	187.636	ng/ml	
7)	Aroclor 1016 (6)	7.202	370036	193.711	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.834	151287	301.479	ng/ml	
10)	Aroclor 1221 (2)	5.906	177084	353.716	ng/ml	
11)	Aroclor 1221 (3)	5.993	657307	386.945	ng/ml	
12)	Aroclor 1221 (4)	6.503	309450	897.210	ng/ml	
13)	Aroclor 1221 (5)	6.818	765012	2943.129	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.993	657307	484.179	ng/ml	
16)	Aroclor 1232 (2)	6.329	430017	501.732	ng/ml	
17)	Aroclor 1232 (3)	6.818	765012	532.202	ng/ml	525.98
18)	Aroclor 1232 (4)	7.032	317724	559.011	ng/ml	
19)	Aroclor 1232 (5)	7.078	360791	541.032	ng/ml	
20)	Aroclor 1232 (6)	7.202	370036	537.739	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.329	430017	264.880	ng/ml	
23)	Aroclor 1242 (2)	6.818	765012	273.272	ng/ml	
24)	Aroclor 1242 (3)	6.945	352236	272.301	ng/ml	
25)	Aroclor 1242 (4)	7.032	317724	252.523	ng/ml	
26)	Aroclor 1242 (5)	7.078	360791	250.998	ng/ml	
27)	Aroclor 1242 (6)	7.202	370036	244.700	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.791	597080	363.049	ng/ml	
30)	Aroclor 1248 (2)	7.032	317724	143.276	ng/ml	
31)	Aroclor 1248 (3)	7.078	360791	172.349	ng/ml	
32)	Aroclor 1248 (4)	7.202	370036	147.475	ng/ml	
33)	Aroclor 1248 (5)	7.567	434373	137.264	ng/ml	
34)	Aroclor 1248 (6)	7.726	568802	200.843	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.548	438600	134.827	ng/ml	
37)	Aroclor 1254 (2)	7.726	568802	109.303	ng/ml	
38)	Aroclor 1254 (3)	8.037	224901	42.188	ng/ml	
39)	Aroclor 1254 (4)	8.276	175986	43.518	ng/ml	
40)	Aroclor 1254 (5)	8.613	1415830	341.326	ng/ml	
41)	Aroclor 1254 (6)	8.828	447971	374.019	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.174	1544622	402.739	ng/ml	
44)	Aroclor 1260 (2)	8.380	1875582	400.324	ng/ml	
45)	Aroclor 1260 (3)	8.613	1415830	303.907	ng/ml	
46)	Aroclor 1260 (4)	9.098	4344405	577.306	ng/ml	
47)	Aroclor 1260 (5)	9.360	2544563	582.935	ng/ml	
48)	Aroclor 1260 (6)	9.930	1170565	687.733	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.380	1875582	472.923	ng/ml	
51)	Aroclor 1262 (2)	8.681	2513209	440.494	ng/ml	
52)	Aroclor 1262 (3)	8.859	2007072	435.081	ng/ml	
53)	Aroclor 1262 (4)	9.098	4344405	456.981	ng/ml	451.65
54)	Aroclor 1262 (5)	9.360	2544563	442.813	ng/ml	
55)	Aroclor 1262 (6)	9.930	1170565	461.602	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.900	269040	118.615	ng/ml	
58)	Aroclor 1268 (2)	9.360	2544563	248.623	ng/ml	
59)	Aroclor 1268 (3)	9.424	1370515	169.442	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

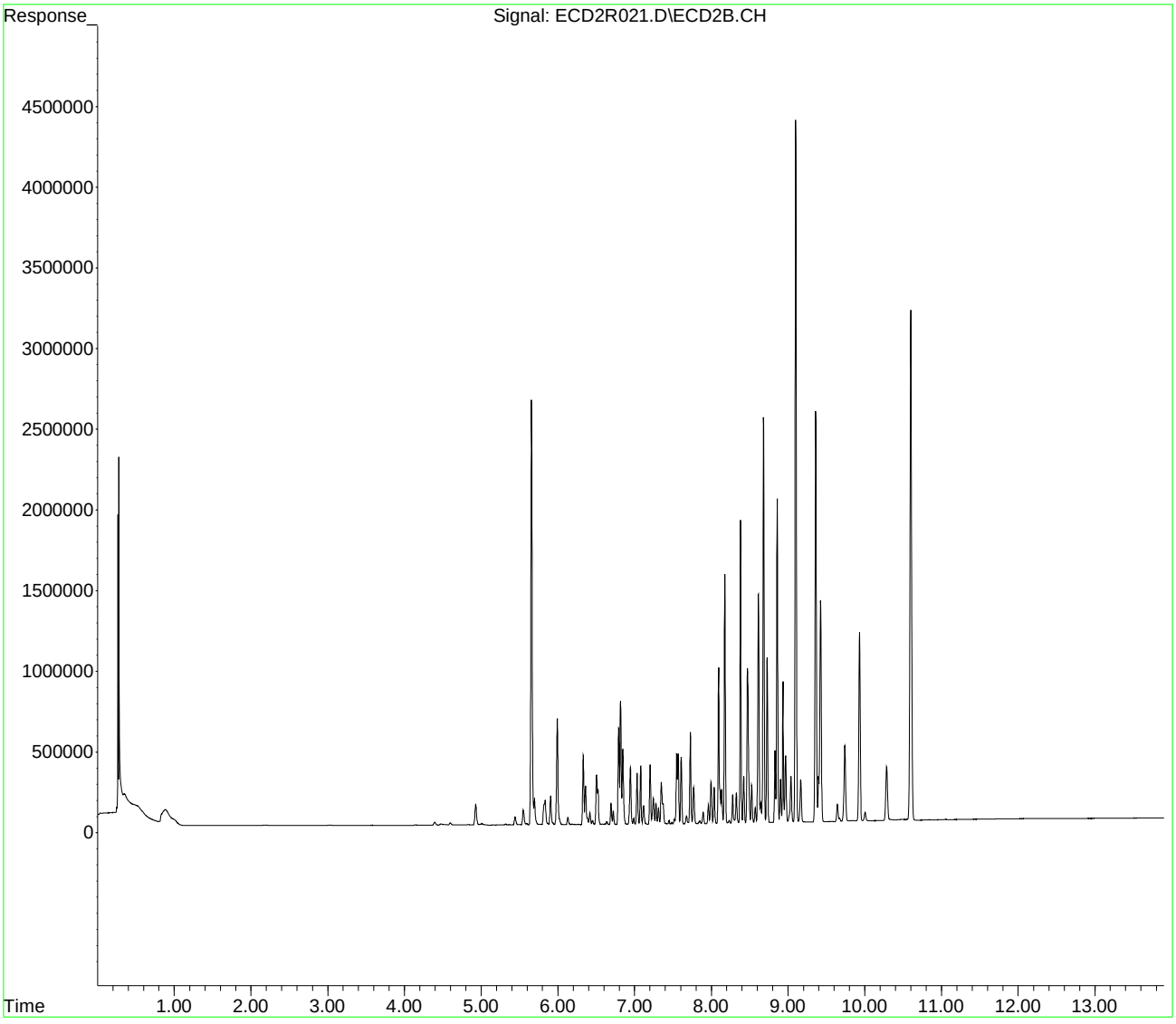
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	106481	15.014	ng/ml
61)	Aroclor 1268 (5)	9.930	1170565	457.428	ng/ml
62)	Aroclor 1268 (6)	10.284	333664	18.184	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:28 pm
Operator : MJB / KAK
Sample : 1D06062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:36:15 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	2812768	40.526	ng/ml
64) S	DCBP (S)	10.600	1526328	43.826	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	816109	389.670	ng/ml
3)	Aroclor 1016 (2)	6.818	1475133	404.308	ng/ml
4)	Aroclor 1016 (3)	6.945	647567	385.535	ng/ml
5)	Aroclor 1016 (4)	7.032	629535	366.072	ng/ml
6)	Aroclor 1016 (5)	7.077	707999	368.209	ng/ml
7)	Aroclor 1016 (6)	7.203	756957	396.262	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.819	65277	130.081	ng/ml
10)	Aroclor 1221 (2)	5.906	106990	213.707	ng/ml
11)	Aroclor 1221 (3)	5.993	510342	300.429	ng/ml
12)	Aroclor 1221 (4)	6.503	484410	1404.486	ng/ml
13)	Aroclor 1221 (5)	6.818	1475133	5675.080	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	510342	375.923	ng/ml
16)	Aroclor 1232 (2)	6.329	816109	952.214	ng/ml
17)	Aroclor 1232 (3)	6.818	1475133	1026.216	ng/ml
18)	Aroclor 1232 (4)	7.032	629535	1107.620	ng/ml
19)	Aroclor 1232 (5)	7.077	707999	1061.697	ng/ml
20)	Aroclor 1232 (6)	7.203	756957	1100.014	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	816109	502.702	ng/ml
23)	Aroclor 1242 (2)	6.818	1475133	526.935	ng/ml
24)	Aroclor 1242 (3)	6.945	647567	500.611	ng/ml
25)	Aroclor 1242 (4)	7.032	629535	500.346	ng/ml
26)	Aroclor 1242 (5)	7.077	707999	492.546	ng/ml
27)	Aroclor 1242 (6)	7.203	756957	500.566	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.791	1220579	742.161	ng/ml
30)	Aroclor 1248 (2)	7.032	629535	283.887	ng/ml
31)	Aroclor 1248 (3)	7.077	707999	338.211	ng/ml
32)	Aroclor 1248 (4)	7.203	756957	301.678	ng/ml
33)	Aroclor 1248 (5)	7.568	844741	266.942	ng/ml
34)	Aroclor 1248 (6)	7.724	645529	227.935	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.550	585229	179.902	ng/ml
37)	Aroclor 1254 (2)	7.724	645529	124.047	ng/ml
38)	Aroclor 1254 (3)	8.037	252691	47.401	ng/ml
39)	Aroclor 1254 (4)	8.276	176920	43.750	ng/ml
40)	Aroclor 1254 (5)	8.614	54585	13.159	ng/ml
41)	Aroclor 1254 (6)	8.829	46368	38.714	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	23795	6.204	ng/ml
44)	Aroclor 1260 (2)	8.378	38806	8.283	ng/ml
45)	Aroclor 1260 (3)	8.614	54585	11.717	ng/ml
46)	Aroclor 1260 (4)	9.097	517539	68.773	ng/ml
47)	Aroclor 1260 (5)	9.361	4896261	1121.686	ng/ml
48)	Aroclor 1260 (6)	9.930	1339364	786.906	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.378	38806	9.785	ng/ml
51)	Aroclor 1262 (2)	8.681	966003	169.313	ng/ml
52)	Aroclor 1262 (3)	8.858	78179	16.947	ng/ml
53)	Aroclor 1262 (4)	9.097	517539	54.439	ng/ml
54)	Aroclor 1262 (5)	9.361	4896261	852.063	ng/ml
55)	Aroclor 1262 (6)	9.930	1339364	528.166	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	1155759	509.554	ng/ml
58)	Aroclor 1268 (2)	9.361	4896261	478.401	ng/ml
59)	Aroclor 1268 (3)	9.426	3975650	491.525	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

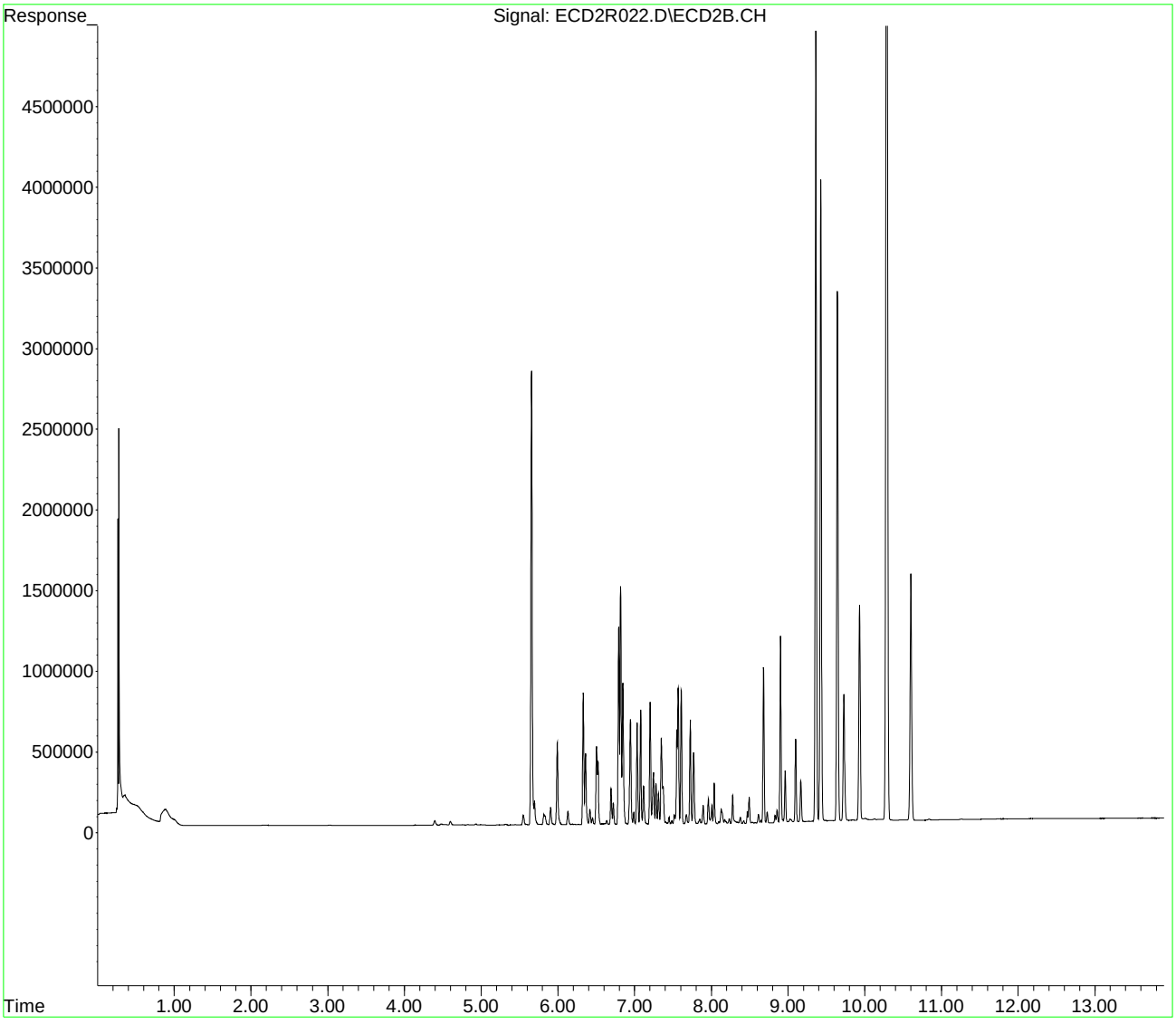
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	3284779	463.170	ng/ml
61)	Aroclor 1268 (5)	9.930	1339364	523.391	ng/ml
62)	Aroclor 1268 (6)	10.285	9368648	510.567	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.656	2812768	40.526	ng/ml	
64)	S DCBP (S)	10.600	1526328	43.826	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.329	816109	389.670	ng/ml	
3)	Aroclor 1016 (2)	6.818	1475133	404.308	ng/ml	
4)	Aroclor 1016 (3)	6.945	647567	385.535	ng/ml	
5)	Aroclor 1016 (4)	7.032	629535	366.072	ng/ml	
6)	Aroclor 1016 (5)	7.077	707999	368.209	ng/ml	
7)	Aroclor 1016 (6)	7.203	756957	396.262	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.819	65277	130.081	ng/ml	
10)	Aroclor 1221 (2)	5.906	106990	213.707	ng/ml	
11)	Aroclor 1221 (3)	5.993	510342	300.429	ng/ml	
12)	Aroclor 1221 (4)	6.503	484410	1404.486	ng/ml	
13)	Aroclor 1221 (5)	6.818	1475133	5675.080	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.993	510342	375.923	ng/ml	
16)	Aroclor 1232 (2)	6.329	816109	952.214	ng/ml	
17)	Aroclor 1232 (3)	6.818	1475133	1026.216	ng/ml	
18)	Aroclor 1232 (4)	7.032	629535	1107.620	ng/ml	
19)	Aroclor 1232 (5)	7.077	707999	1061.697	ng/ml	
20)	Aroclor 1232 (6)	7.203	756957	1100.014	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.329	816109	502.702	ng/ml	
23)	Aroclor 1242 (2)	6.818	1475133	526.935	ng/ml	
24)	Aroclor 1242 (3)	6.945	647567	500.611	ng/ml	503.95
25)	Aroclor 1242 (4)	7.032	629535	500.346	ng/ml	
26)	Aroclor 1242 (5)	7.077	707999	492.546	ng/ml	
27)	Aroclor 1242 (6)	7.203	756957	500.566	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.791	1220579	742.161	ng/ml	
30)	Aroclor 1248 (2)	7.032	629535	283.887	ng/ml	
31)	Aroclor 1248 (3)	7.077	707999	338.211	ng/ml	
32)	Aroclor 1248 (4)	7.203	756957	301.678	ng/ml	
33)	Aroclor 1248 (5)	7.568	844741	266.942	ng/ml	
34)	Aroclor 1248 (6)	7.724	645529	227.935	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.550	585229	179.902	ng/ml	
37)	Aroclor 1254 (2)	7.724	645529	124.047	ng/ml	
38)	Aroclor 1254 (3)	8.037	252691	47.401	ng/ml	
39)	Aroclor 1254 (4)	8.276	176920	43.750	ng/ml	
40)	Aroclor 1254 (5)	8.614	54585	13.159	ng/ml	
41)	Aroclor 1254 (6)	8.829	46368	38.714	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.173	23795	6.204	ng/ml	
44)	Aroclor 1260 (2)	8.378	38806	8.283	ng/ml	
45)	Aroclor 1260 (3)	8.614	54585	11.717	ng/ml	
46)	Aroclor 1260 (4)	9.097	517539	68.773	ng/ml	
47)	Aroclor 1260 (5)	9.361	4896261	1121.686	ng/ml	
48)	Aroclor 1260 (6)	9.930	1339364	786.906	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.378	38806	9.785	ng/ml	
51)	Aroclor 1262 (2)	8.681	966003	169.313	ng/ml	
52)	Aroclor 1262 (3)	8.858	78179	16.947	ng/ml	
53)	Aroclor 1262 (4)	9.097	517539	54.439	ng/ml	
54)	Aroclor 1262 (5)	9.361	4896261	852.063	ng/ml	
55)	Aroclor 1262 (6)	9.930	1339364	528.166	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.900	1155759	509.554	ng/ml	
58)	Aroclor 1268 (2)	9.361	4896261	478.401	ng/ml	496.10
59)	Aroclor 1268 (3)	9.426	3975650	491.525	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

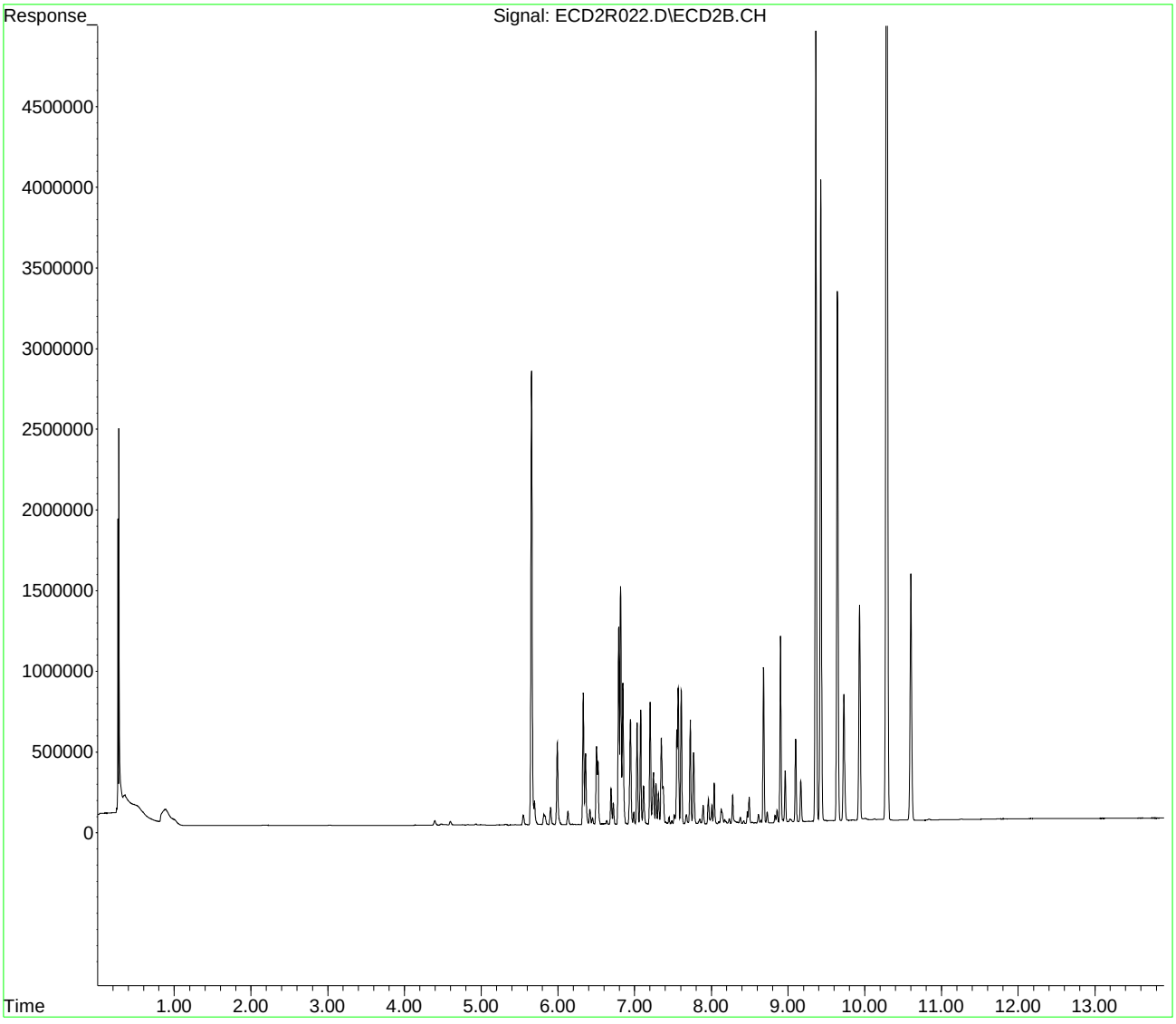
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.642	3284779	463.170 ng/ml
61)	Aroclor 1268 (5)	9.930	1339364	523.391 ng/ml
62)	Aroclor 1268 (6)	10.285	9368648	510.567 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 8:46 pm
Operator : MJB / KAK
Sample : 1D06062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:37:13 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.675	3435	0.049	ng/ml
64)	S DCBP (S)	10.603	1100	0.032	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	423386	202.155	ng/ml
3)	Aroclor 1016 (2)	6.818	828773	227.152	ng/ml
4)	Aroclor 1016 (3)	6.943	371342	221.082	ng/ml
5)	Aroclor 1016 (4)	7.033	1155304	671.805	ng/ml
6)	Aroclor 1016 (5)	7.077	1105566	574.971	ng/ml
7)	Aroclor 1016 (6)	7.203	1300011	680.546	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.834	6458	12.869	ng/ml
10)	Aroclor 1221 (2)	5.906	10880	21.733	ng/ml
11)	Aroclor 1221 (3)	5.994	59930	35.280	ng/ml
12)	Aroclor 1221 (4)	6.502	169923	492.671	ng/ml
13)	Aroclor 1221 (5)	6.818	828773	3188.426	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	59930	44.145	ng/ml
16)	Aroclor 1232 (2)	6.329	423386	493.995	ng/ml
17)	Aroclor 1232 (3)	6.818	828773	576.558	ng/ml
18)	Aroclor 1232 (4)	7.033	1155304	2032.672	ng/ml
19)	Aroclor 1232 (5)	7.077	1105566	1657.876	ng/ml
20)	Aroclor 1232 (6)	7.203	1300011	1889.182	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	423386	260.795	ng/ml
23)	Aroclor 1242 (2)	6.818	828773	296.048	ng/ml
24)	Aroclor 1242 (3)	6.943	371342	287.071	ng/ml
25)	Aroclor 1242 (4)	7.033	1155304	918.220	ng/ml
26)	Aroclor 1242 (5)	7.077	1105566	769.128	ng/ml
27)	Aroclor 1242 (6)	7.203	1300011	859.681	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.791	831964	505.867	ng/ml
30)	Aroclor 1248 (2)	7.033	1155304	520.980	ng/ml
31)	Aroclor 1248 (3)	7.077	1105566	528.127	ng/ml
32)	Aroclor 1248 (4)	7.203	1300011	518.108	ng/ml
33)	Aroclor 1248 (5)	7.568	1691400	534.490	ng/ml
34)	Aroclor 1248 (6)	7.725	1461175	515.938	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.550	1172733	360.503	ng/ml
37)	Aroclor 1254 (2)	7.725	1461175	280.783	ng/ml
38)	Aroclor 1254 (3)	8.038	806862	151.355	ng/ml
39)	Aroclor 1254 (4)	8.276	588341	145.487	ng/ml
40)	Aroclor 1254 (5)	8.610	129515	31.223	ng/ml
41)	Aroclor 1254 (6)	8.841	50514	42.175	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	69175	18.036	ng/ml
44)	Aroclor 1260 (2)	8.377	91345	19.497	ng/ml
45)	Aroclor 1260 (3)	8.610	129515	27.800	ng/ml
46)	Aroclor 1260 (4)	9.097	25105	3.336	ng/ml
47)	Aroclor 1260 (5)	9.359	17799	4.077	ng/ml
48)	Aroclor 1260 (6)	9.930	4627	2.718	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.377	91345	23.032	ng/ml
51)	Aroclor 1262 (2)	8.681	10665	1.869	ng/ml
52)	Aroclor 1262 (3)	8.841	50514	10.950	ng/ml
53)	Aroclor 1262 (4)	9.097	25105	2.641	ng/ml
54)	Aroclor 1262 (5)	9.359	17799	3.097	ng/ml
55)	Aroclor 1262 (6)	9.930	4627	1.825	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.902	2001	0.882	ng/ml
58)	Aroclor 1268 (2)	9.359	17799	1.739	ng/ml
59)	Aroclor 1268 (3)	9.425	5831	0.721	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

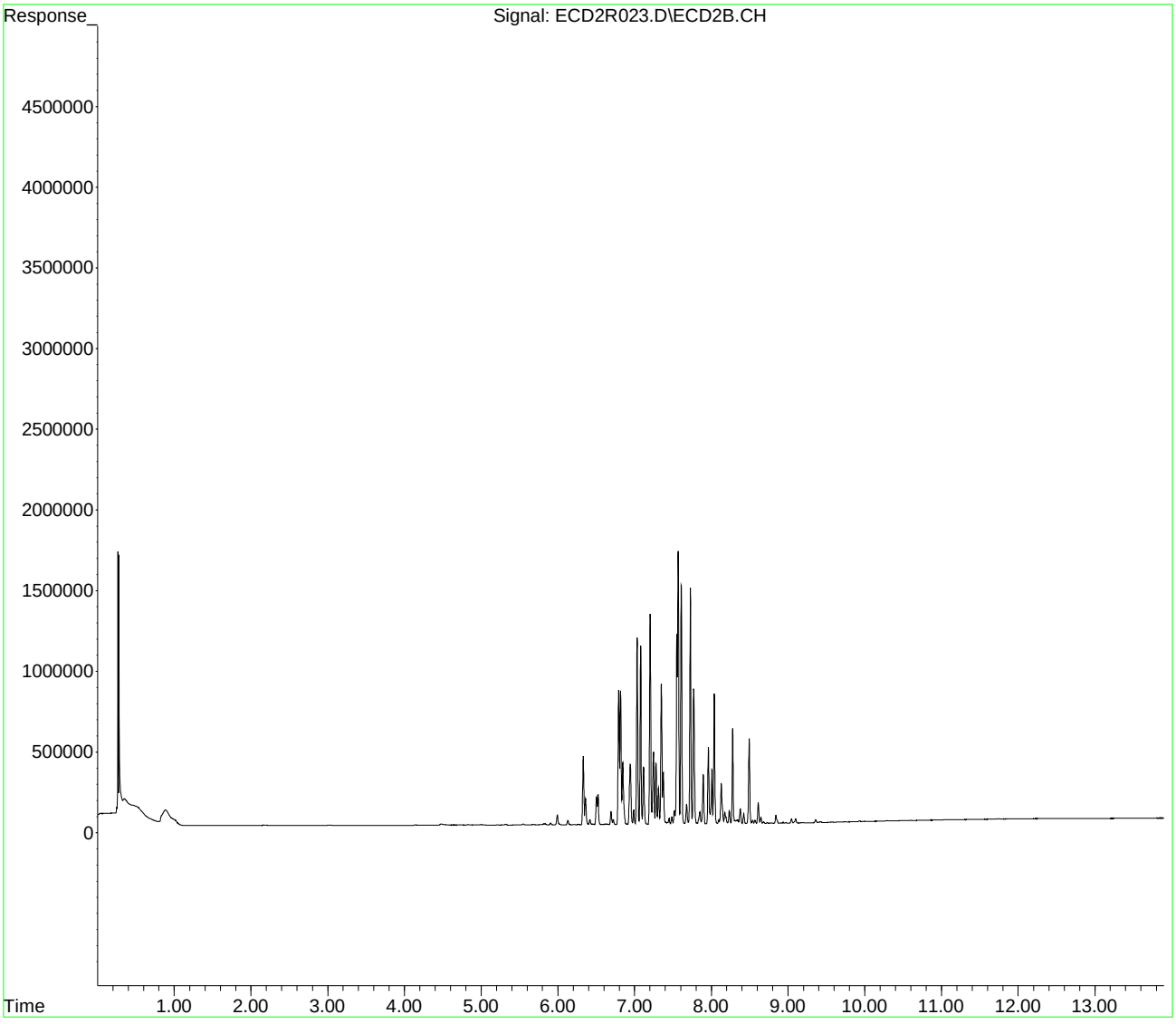
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.642	1075	0.152 ng/ml
61)	Aroclor 1268 (5)	9.930	4627	1.808 ng/ml
62)	Aroclor 1268 (6)	10.284	2345	0.128 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.675	3435	0.049	ng/ml
64) S	DCBP (S)	10.603	1100	0.032	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	423386	202.155	ng/ml
3)	Aroclor 1016 (2)	6.818	828773	227.152	ng/ml
4)	Aroclor 1016 (3)	6.943	371342	221.082	ng/ml
5)	Aroclor 1016 (4)	7.033	1155304	671.805	ng/ml
6)	Aroclor 1016 (5)	7.077	1105566	574.971	ng/ml
7)	Aroclor 1016 (6)	7.203	1300011	680.546	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.834	6458	12.869	ng/ml
10)	Aroclor 1221 (2)	5.906	10880	21.733	ng/ml
11)	Aroclor 1221 (3)	5.994	59930	35.280	ng/ml
12)	Aroclor 1221 (4)	6.502	169923	492.671	ng/ml
13)	Aroclor 1221 (5)	6.818	828773	3188.426	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.994	59930	44.145	ng/ml
16)	Aroclor 1232 (2)	6.329	423386	493.995	ng/ml
17)	Aroclor 1232 (3)	6.818	828773	576.558	ng/ml
18)	Aroclor 1232 (4)	7.033	1155304	2032.672	ng/ml
19)	Aroclor 1232 (5)	7.077	1105566	1657.876	ng/ml
20)	Aroclor 1232 (6)	7.203	1300011	1889.182	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	423386	260.795	ng/ml
23)	Aroclor 1242 (2)	6.818	828773	296.048	ng/ml
24)	Aroclor 1242 (3)	6.943	371342	287.071	ng/ml
25)	Aroclor 1242 (4)	7.033	1155304	918.220	ng/ml
26)	Aroclor 1242 (5)	7.077	1105566	769.128	ng/ml
27)	Aroclor 1242 (6)	7.203	1300011	859.681	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.791	831964	505.867	ng/ml	
30)	Aroclor 1248 (2)	7.033	1155304	520.980	ng/ml	
31)	Aroclor 1248 (3)	7.077	1105566	528.127	ng/ml	520.59
32)	Aroclor 1248 (4)	7.203	1300011	518.108	ng/ml	
33)	Aroclor 1248 (5)	7.568	1691400	534.490	ng/ml	
34)	Aroclor 1248 (6)	7.725	1461175	515.938	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.550	1172733	360.503	ng/ml	
37)	Aroclor 1254 (2)	7.725	1461175	280.783	ng/ml	
38)	Aroclor 1254 (3)	8.038	806862	151.355	ng/ml	
39)	Aroclor 1254 (4)	8.276	588341	145.487	ng/ml	
40)	Aroclor 1254 (5)	8.610	129515	31.223	ng/ml	
41)	Aroclor 1254 (6)	8.841	50514	42.175	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.174	69175	18.036	ng/ml	
44)	Aroclor 1260 (2)	8.377	91345	19.497	ng/ml	
45)	Aroclor 1260 (3)	8.610	129515	27.800	ng/ml	
46)	Aroclor 1260 (4)	9.097	25105	3.336	ng/ml	
47)	Aroclor 1260 (5)	9.359	17799	4.077	ng/ml	
48)	Aroclor 1260 (6)	9.930	4627	2.718	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.377	91345	23.032	ng/ml	
51)	Aroclor 1262 (2)	8.681	10665	1.869	ng/ml	
52)	Aroclor 1262 (3)	8.841	50514	10.950	ng/ml	
53)	Aroclor 1262 (4)	9.097	25105	2.641	ng/ml	
54)	Aroclor 1262 (5)	9.359	17799	3.097	ng/ml	
55)	Aroclor 1262 (6)	9.930	4627	1.825	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.902	2001	0.882	ng/ml	
58)	Aroclor 1268 (2)	9.359	17799	1.739	ng/ml	
59)	Aroclor 1268 (3)	9.425	5831	0.721	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

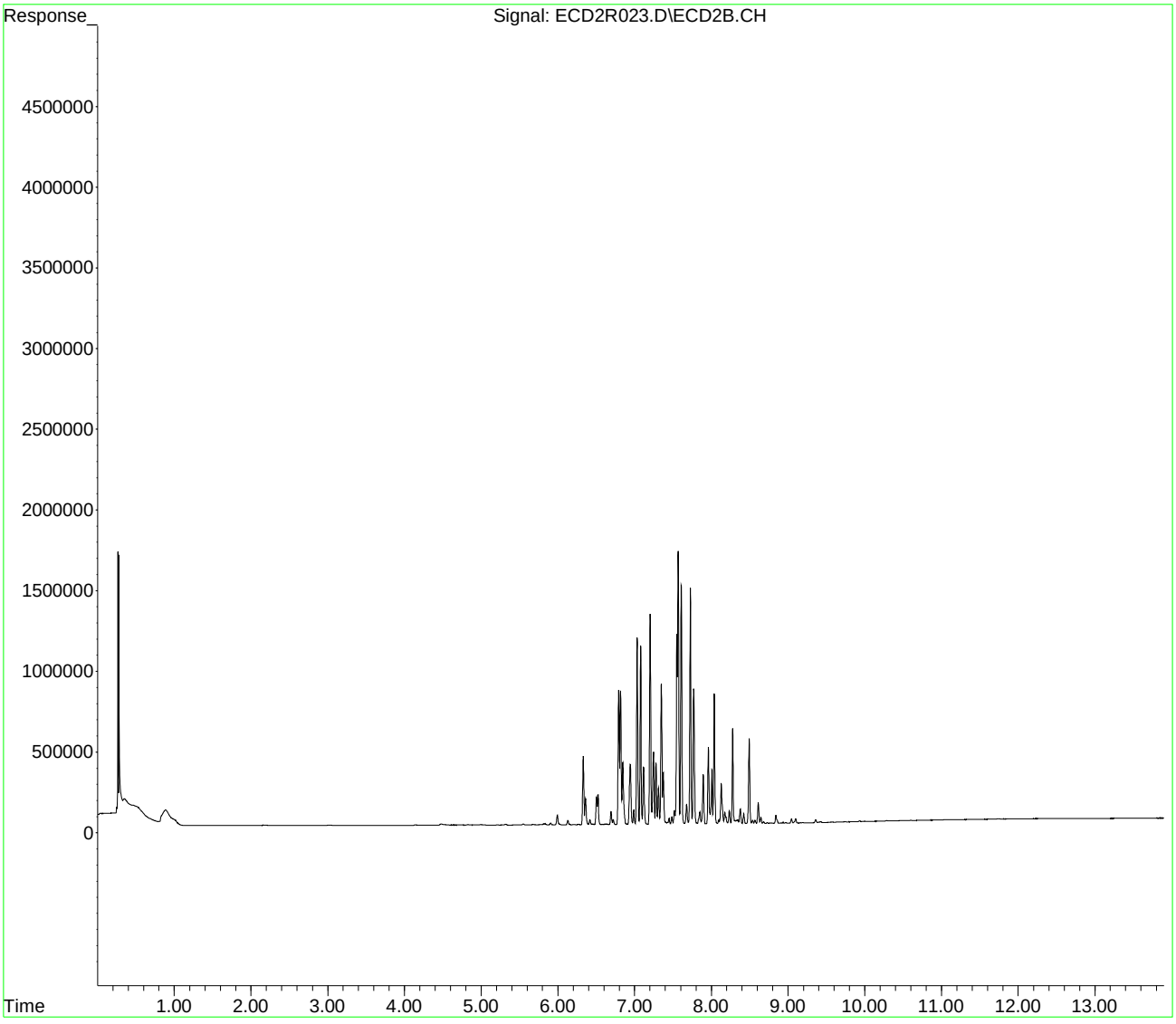
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.642	1075	0.152 ng/ml
61)	Aroclor 1268 (5)	9.930	4627	1.808 ng/ml
62)	Aroclor 1268 (6)	10.284	2345	0.128 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 9:03 pm
Operator : MJB / KAK
Sample : 1D06062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 11:39:30 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 11:03:16 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Injection Log

Data Directory: K:\DATA\1D06062\

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
ECD2R001.D	Hexane		51	1	06 Apr 2021 2:35 pm
ECD2R002.D	Hexane		51	1	06 Apr 2021 2:53 pm
ECD2R003.D	1D06062-ICB1		2	1	06 Apr 2021 3:11 pm
ECD2R004.D	1D06062-CAL1		3	1	06 Apr 2021 3:28 pm
ECD2R005.D	1D06062-CAL2	JC 4/7/21	4	1	06 Apr 2021 3:46 pm
ECD2R006.D	1D06062-CAL3		5	1	06 Apr 2021 4:04 pm
ECD2R007.D	1D06062-CAL4		6	1	06 Apr 2021 4:21 pm
ECD2R008.D	1D06062-CAL5		7	1	06 Apr 2021 4:39 pm
ECD2R009.D	1D06062-CAL6		8	1	06 Apr 2021 4:57 pm
ECD2R010.D	1D06062-CAL7		9	1	06 Apr 2021 5:14 pm
ECD2R011.D	1D06062-IBL1		1	1	06 Apr 2021 5:32 pm
ECD2R012.D	1D06062-ICV1		10	1	06 Apr 2021 5:49 pm
ECD2R013.D	1D06062-CAL8		11	1	06 Apr 2021 6:07 pm
ECD2R014.D	1D06062-CAL9		12	1	06 Apr 2021 6:25 pm
ECD2R015.D	1D06062-CALA		13	1	06 Apr 2021 6:42 pm
ECD2R016.D	1D06062-CALB		14	1	06 Apr 2021 7:00 pm
ECD2R017.D	1D06062-CALC		15	1	06 Apr 2021 7:18 pm
ECD2R018.D	1D06062-CALD		16	1	06 Apr 2021 7:35 pm
ECD2R019.D	1D06062-CALE		17	1	06 Apr 2021 7:53 pm
ECD2R020.D	1D06062-ICV2		18	1	06 Apr 2021 8:10 pm
ECD2R021.D	1D06062-ICV3		19	1	06 Apr 2021 8:28 pm
ECD2R022.D	1D06062-ICV4		20	1	06 Apr 2021 8:46 pm
ECD2R023.D	1D06062-ICV5		21	1	06 Apr 2021 9:03 pm

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	637052	12.136	ng/ml
64) S	DCBP (S)	10.599	334192	14.763	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	49528	30.202	ng/ml
3)	Aroclor 1016 (2)	6.818	76532	27.755	ng/ml
4)	Aroclor 1016 (3)	6.944	36809	29.023	ng/ml
5)	Aroclor 1016 (4)	7.032	41182	30.570	ng/ml
6)	Aroclor 1016 (5)	7.077	45170	30.227	ng/ml
7)	Aroclor 1016 (6)	7.202	43853	29.905	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.818	4668	11.950	ng/ml
10)	Aroclor 1221 (2)	5.906	6783	17.441	ng/ml
11)	Aroclor 1221 (3)	5.993	31487	24.664	ng/ml
12)	Aroclor 1221 (4)	6.502	30341	118.427	ng/ml
13)	Aroclor 1221 (5)	6.818	76532	381.341	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	31487	31.130	ng/ml
16)	Aroclor 1232 (2)	6.329	49528	81.645	ng/ml
17)	Aroclor 1232 (3)	6.818	76532	74.323	ng/ml
18)	Aroclor 1232 (4)	7.032	41182	97.321	ng/ml
19)	Aroclor 1232 (5)	7.077	45170	94.960	ng/ml
20)	Aroclor 1232 (6)	7.202	43853	88.317	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	49528	43.906	ng/ml
23)	Aroclor 1242 (2)	6.818	76532	39.933	ng/ml
24)	Aroclor 1242 (3)	6.944	36809	40.671	ng/ml
25)	Aroclor 1242 (4)	7.032	41182	46.972	ng/ml
26)	Aroclor 1242 (5)	7.077	45170	45.652	ng/ml
27)	Aroclor 1242 (6)	7.202	43853	41.664	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	68045	49.604	ng/ml
30)	Aroclor 1248 (2)	7.032	41182	22.674	ng/ml
31)	Aroclor 1248 (3)	7.077	45170	26.405	ng/ml
32)	Aroclor 1248 (4)	7.202	43853	21.217	ng/ml
33)	Aroclor 1248 (5)	7.567	10688	4.232	ng/ml
34)	Aroclor 1248 (6)	7.726	46818	20.165	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	33177	15.981	ng/ml
37)	Aroclor 1254 (2)	7.726	46818	14.039	ng/ml
38)	Aroclor 1254 (3)	8.037	21574	5.962	ng/ml
39)	Aroclor 1254 (4)	8.290	21750	8.263	ng/ml
40)	Aroclor 1254 (5)	8.610	95701	34.452	ng/ml
41)	Aroclor 1254 (6)	8.830	18062	22.312	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.172	86961	30.485	ng/ml
44)	Aroclor 1260 (2)	8.379	102613	29.879	ng/ml
45)	Aroclor 1260 (3)	8.610	95701	27.463	ng/ml
46)	Aroclor 1260 (4)	9.096	154609	29.545	ng/ml
47)	Aroclor 1260 (5)	9.358	92940	30.570	ng/ml
48)	Aroclor 1260 (6)	9.929	43377	36.475	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	102613	40.696	ng/ml
51)	Aroclor 1262 (2)	8.680	75148	20.849	ng/ml
52)	Aroclor 1262 (3)	8.858	76687	25.929	ng/ml
53)	Aroclor 1262 (4)	9.096	154609	25.754	ng/ml
54)	Aroclor 1262 (5)	9.358	92940	26.632	ng/ml
55)	Aroclor 1262 (6)	9.929	43377	27.847	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	9979	6.618	ng/ml
58)	Aroclor 1268 (2)	9.358	92940	14.407	ng/ml
59)	Aroclor 1268 (3)	9.423	41435	7.773	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

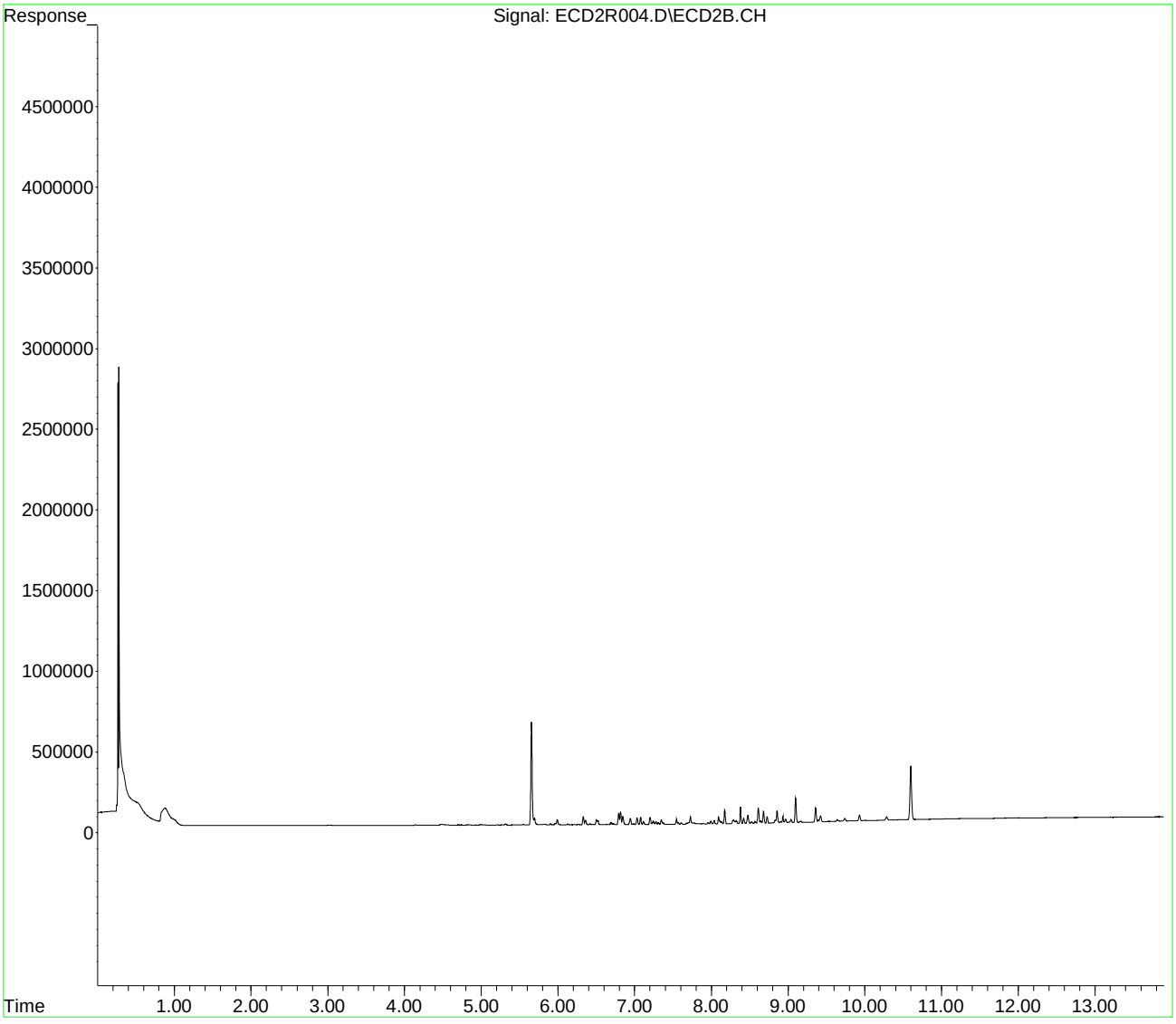
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	15380	3.419	ng/ml
61)	Aroclor 1268 (5)	9.929	43377	25.428	ng/ml
62)	Aroclor 1268 (6)	10.326	10825	0.933	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	637052	12.136	ng/ml
64) S	DCBP (S)	10.599	334192	14.763	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	49528	30.202	ng/ml
3)	Aroclor 1016 (2)	6.818	76532	27.755	ng/ml
4)	Aroclor 1016 (3)	6.944	36809	29.023	ng/ml
5)	Aroclor 1016 (4)	7.032	41182	30.570	ng/ml
6)	Aroclor 1016 (5)	7.077	45170	30.227	ng/ml
7)	Aroclor 1016 (6)	7.202	43853	29.905	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.172	86961	30.485	ng/ml
44)	Aroclor 1260 (2)	8.379	102613	29.879	ng/ml
45)	Aroclor 1260 (3)	8.610	95701	27.463	ng/ml
46)	Aroclor 1260 (4)	9.096	154609	29.545	ng/ml
47)	Aroclor 1260 (5)	9.358	92940	30.570	ng/ml
48)	Aroclor 1260 (6)	9.929	43377	36.475	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

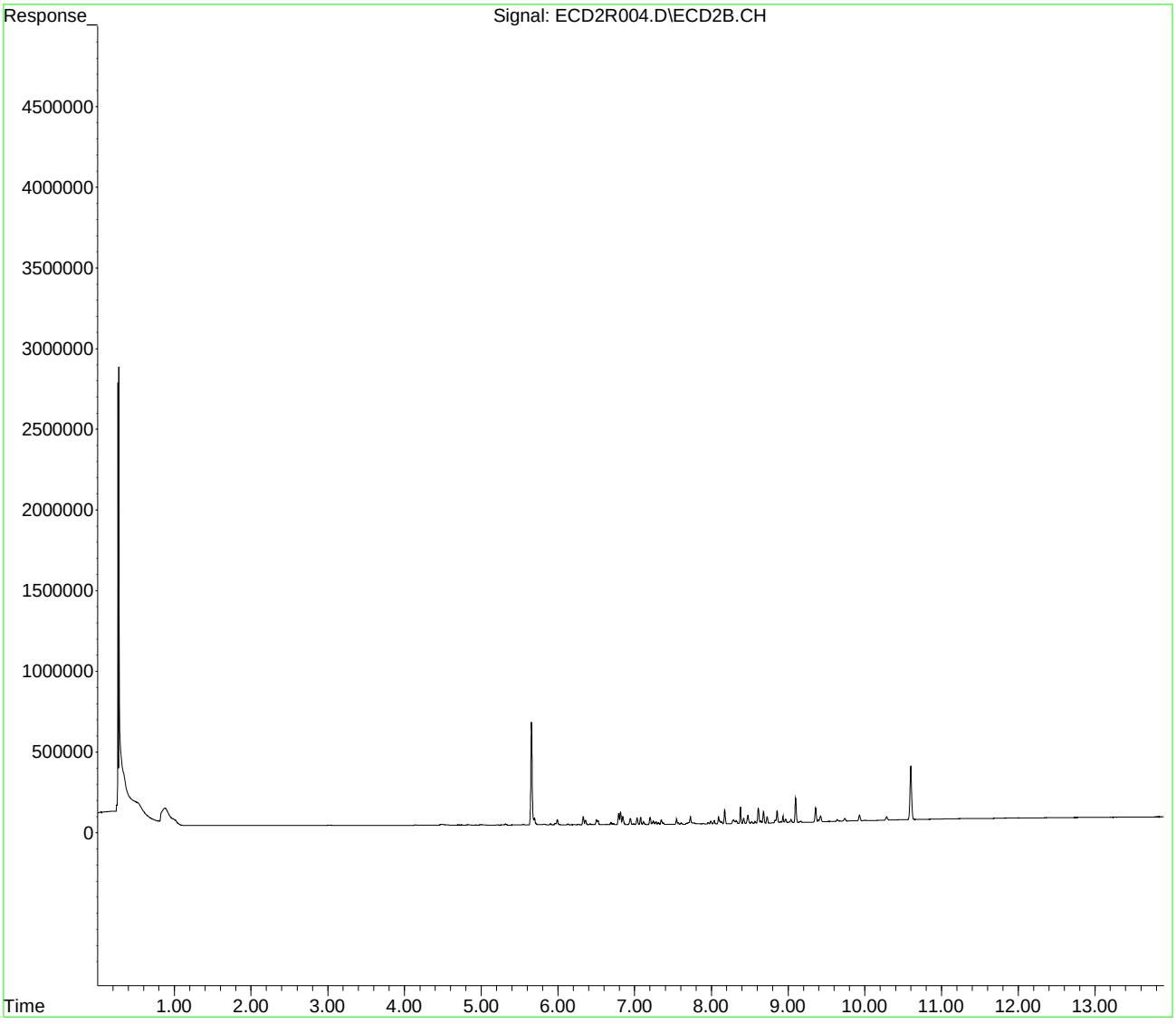
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:28 pm
Operator : MJB / KAK
Sample : 1D06062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:01:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.655	1700219	32.389	ng/ml
64)	S DCBP (S)	10.598	861226	38.044	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	113827	69.412	ng/ml
3)	Aroclor 1016 (2)	6.817	187657	68.054	ng/ml
4)	Aroclor 1016 (3)	6.944	88175	69.524	ng/ml
5)	Aroclor 1016 (4)	7.032	94409	70.083	ng/ml
6)	Aroclor 1016 (5)	7.077	107183	71.726	ng/ml
7)	Aroclor 1016 (6)	7.202	105523	71.960	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.818	10549	27.004	ng/ml
10)	Aroclor 1221 (2)	5.905	16065	41.312	ng/ml
11)	Aroclor 1221 (3)	5.992	72991	57.175	ng/ml
12)	Aroclor 1221 (4)	6.502	70439	274.933	ng/ml
13)	Aroclor 1221 (5)	6.817	187657	935.045	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	72991	72.163	ng/ml
16)	Aroclor 1232 (2)	6.329	113827	187.640	ng/ml
17)	Aroclor 1232 (3)	6.817	187657	182.240	ng/ml
18)	Aroclor 1232 (4)	7.032	94409	223.109	ng/ml
19)	Aroclor 1232 (5)	7.077	107183	225.332	ng/ml
20)	Aroclor 1232 (6)	7.202	105523	212.514	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	113827	100.906	ng/ml
23)	Aroclor 1242 (2)	6.817	187657	97.915	ng/ml
24)	Aroclor 1242 (3)	6.944	88175	97.427	ng/ml
25)	Aroclor 1242 (4)	7.032	94409	107.684	ng/ml
26)	Aroclor 1242 (5)	7.077	107183	108.328	ng/ml
27)	Aroclor 1242 (6)	7.202	105523	100.255	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	161924	118.041	ng/ml
30)	Aroclor 1248 (2)	7.032	94409	51.981	ng/ml
31)	Aroclor 1248 (3)	7.077	107183	62.656	ng/ml
32)	Aroclor 1248 (4)	7.202	105523	51.053	ng/ml
33)	Aroclor 1248 (5)	7.566	25836	10.229	ng/ml
34)	Aroclor 1248 (6)	7.726	96055	41.372	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	76011	36.613	ng/ml
37)	Aroclor 1254 (2)	7.726	96055	28.803	ng/ml
38)	Aroclor 1254 (3)	8.036	50862	14.056	ng/ml
39)	Aroclor 1254 (4)	8.275	38300	14.550	ng/ml
40)	Aroclor 1254 (5)	8.610	244370	87.973	ng/ml
41)	Aroclor 1254 (6)	8.828	40006	49.420	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	197508	69.238	ng/ml
44)	Aroclor 1260 (2)	8.379	249451	72.635	ng/ml
45)	Aroclor 1260 (3)	8.610	244370	70.127	ng/ml
46)	Aroclor 1260 (4)	9.096	372724	71.225	ng/ml
47)	Aroclor 1260 (5)	9.358	221698	72.921	ng/ml
48)	Aroclor 1260 (6)	9.929	87460	73.542	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	249451	98.931	ng/ml
51)	Aroclor 1262 (2)	8.679	182674	50.680	ng/ml
52)	Aroclor 1262 (3)	8.857	179553	60.708	ng/ml
53)	Aroclor 1262 (4)	9.096	372724	62.087	ng/ml
54)	Aroclor 1262 (5)	9.358	221698	63.527	ng/ml
55)	Aroclor 1262 (6)	9.929	87460	56.147	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.898	16118	10.690	ng/ml
58)	Aroclor 1268 (2)	9.358	221698	34.366	ng/ml
59)	Aroclor 1268 (3)	9.422	95390	17.895	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

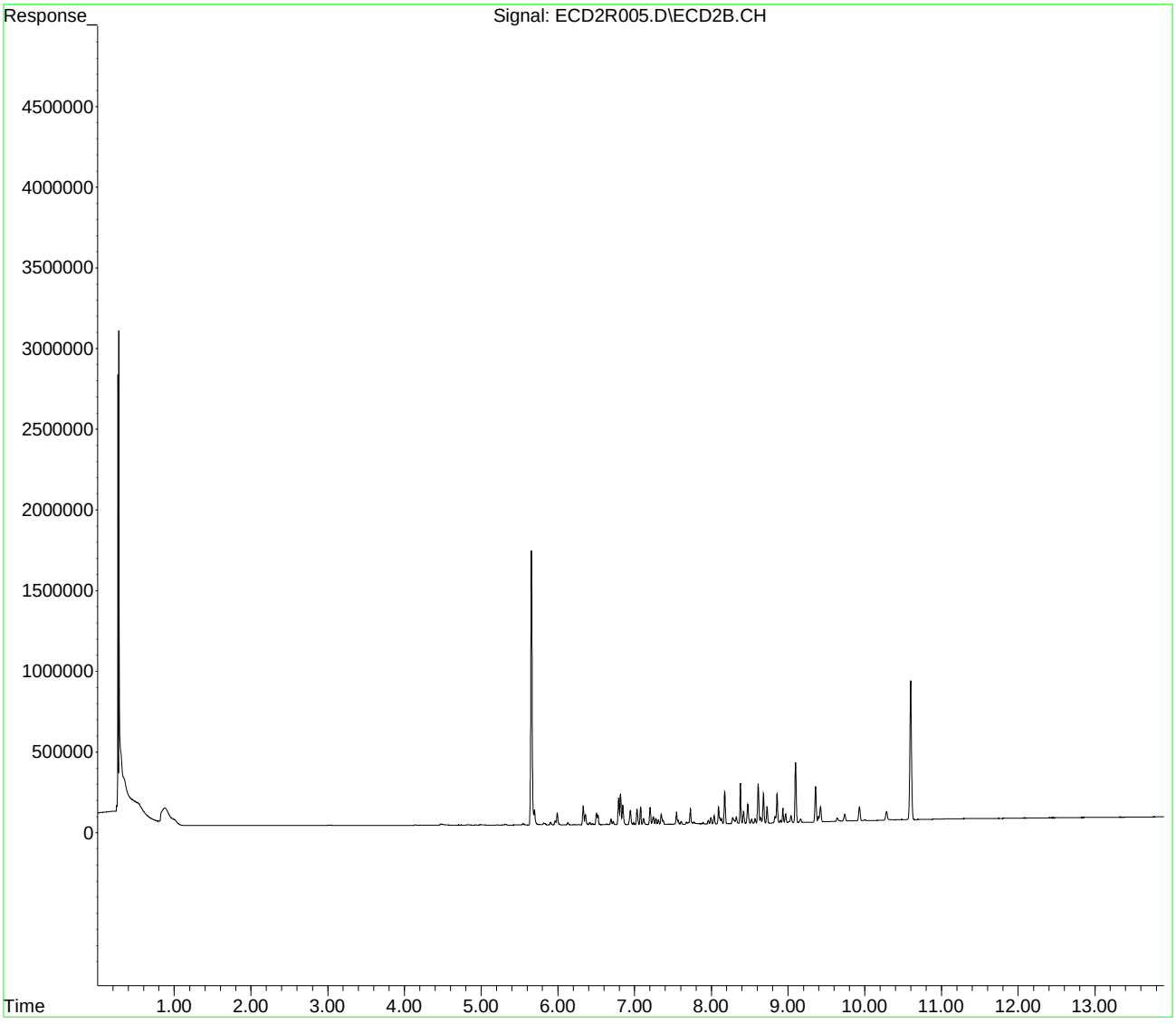
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	22682	5.042	ng/ml
61)	Aroclor 1268 (5)	9.929	87460	51.270	ng/ml
62)	Aroclor 1268 (6)	10.282	52494	4.523	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.655	1700219	32.389	ng/ml
64)	S DCBP (S)	10.598	861226	38.044	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	113827	69.412	ng/ml
3)	Aroclor 1016 (2)	6.817	187657	68.054	ng/ml
4)	Aroclor 1016 (3)	6.944	88175	69.524	ng/ml
5)	Aroclor 1016 (4)	7.032	94409	70.083	ng/ml
6)	Aroclor 1016 (5)	7.077	107183	71.726	ng/ml
7)	Aroclor 1016 (6)	7.202	105523	71.960	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.173	197508	69.238	ng/ml
44)	Aroclor 1260 (2)	8.379	249451	72.635	ng/ml
45)	Aroclor 1260 (3)	8.610	244370	70.127	ng/ml
46)	Aroclor 1260 (4)	9.096	372724	71.225	ng/ml
47)	Aroclor 1260 (5)	9.358	221698	72.921	ng/ml
48)	Aroclor 1260 (6)	9.929	87460	73.542	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

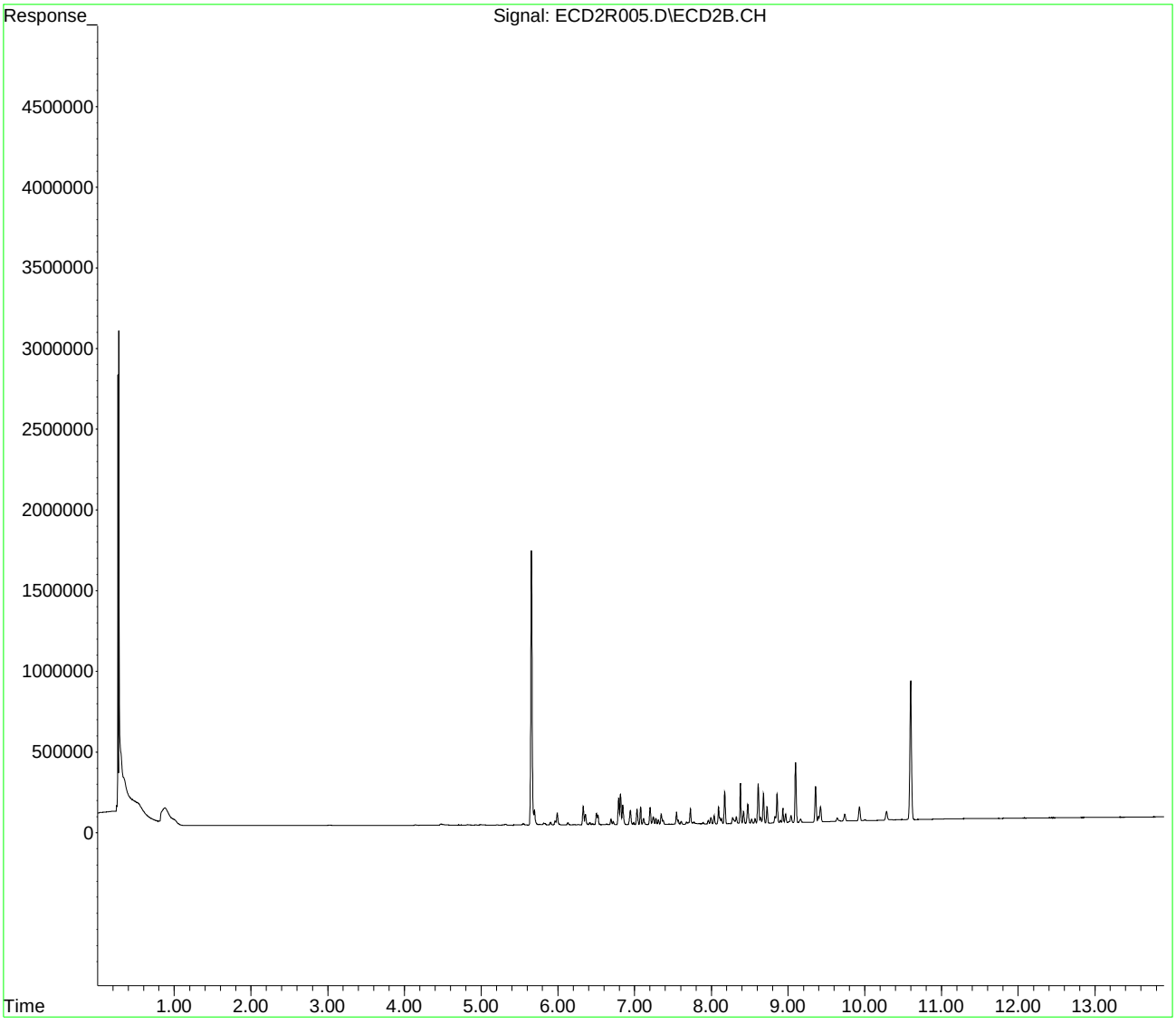
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 3:46 pm
Operator : MJB / KAK
Sample : 1D06062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:06:41 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.655	3404719	64.859	ng/ml
64)	S DCBP (S)	10.597	1683270	74.357	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	209641	127.838	ng/ml
3)	Aroclor 1016 (2)	6.817	353509	128.200	ng/ml
4)	Aroclor 1016 (3)	6.944	164136	129.418	ng/ml
5)	Aroclor 1016 (4)	7.032	170143	126.303	ng/ml
6)	Aroclor 1016 (5)	7.076	194195	129.954	ng/ml
7)	Aroclor 1016 (6)	7.202	189894	129.494	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.830	15465	39.588	ng/ml
10)	Aroclor 1221 (2)	5.905	28687	73.768	ng/ml
11)	Aroclor 1221 (3)	5.992	125854	98.583	ng/ml
12)	Aroclor 1221 (4)	6.501	123536	482.181	ng/ml
13)	Aroclor 1221 (5)	6.817	353509	1761.443	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	125854	124.426	ng/ml
16)	Aroclor 1232 (2)	6.328	209641	345.584	ng/ml
17)	Aroclor 1232 (3)	6.817	353509	343.305	ng/ml
18)	Aroclor 1232 (4)	7.032	170143	402.085	ng/ml
19)	Aroclor 1232 (5)	7.076	194195	408.257	ng/ml
20)	Aroclor 1232 (6)	7.202	189894	382.427	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	209641	185.843	ng/ml
23)	Aroclor 1242 (2)	6.817	353509	184.452	ng/ml
24)	Aroclor 1242 (3)	6.944	164136	181.358	ng/ml
25)	Aroclor 1242 (4)	7.032	170143	194.066	ng/ml
26)	Aroclor 1242 (5)	7.076	194195	196.268	ng/ml
27)	Aroclor 1242 (6)	7.202	189894	180.412	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.789	304380	221.890	ng/ml
30)	Aroclor 1248 (2)	7.032	170143	93.679	ng/ml
31)	Aroclor 1248 (3)	7.076	194195	113.520	ng/ml
32)	Aroclor 1248 (4)	7.202	189894	91.872	ng/ml
33)	Aroclor 1248 (5)	7.566	45259	17.919	ng/ml
34)	Aroclor 1248 (6)	7.725	171711	73.959	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.544	144769	69.731	ng/ml
37)	Aroclor 1254 (2)	7.725	171711	51.489	ng/ml
38)	Aroclor 1254 (3)	8.036	91791	25.366	ng/ml
39)	Aroclor 1254 (4)	8.275	67793	25.755	ng/ml
40)	Aroclor 1254 (5)	8.609	449611	161.860	ng/ml
41)	Aroclor 1254 (6)	8.828	72259	89.263	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.171	371944	130.389	ng/ml
44)	Aroclor 1260 (2)	8.378	455768	132.710	ng/ml
45)	Aroclor 1260 (3)	8.609	449611	129.026	ng/ml
46)	Aroclor 1260 (4)	9.095	724709	138.486	ng/ml
47)	Aroclor 1260 (5)	9.356	416485	136.991	ng/ml
48)	Aroclor 1260 (6)	9.927	160383	134.861	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.378	455768	180.756	ng/ml
51)	Aroclor 1262 (2)	8.679	336891	93.466	ng/ml
52)	Aroclor 1262 (3)	8.857	334426	113.072	ng/ml
53)	Aroclor 1262 (4)	9.095	724709	120.720	ng/ml
54)	Aroclor 1262 (5)	9.356	416485	119.343	ng/ml
55)	Aroclor 1262 (6)	9.927	160383	102.962	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.898	27543	18.266	ng/ml
58)	Aroclor 1268 (2)	9.356	416485	64.560	ng/ml
59)	Aroclor 1268 (3)	9.422	170380	31.964	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

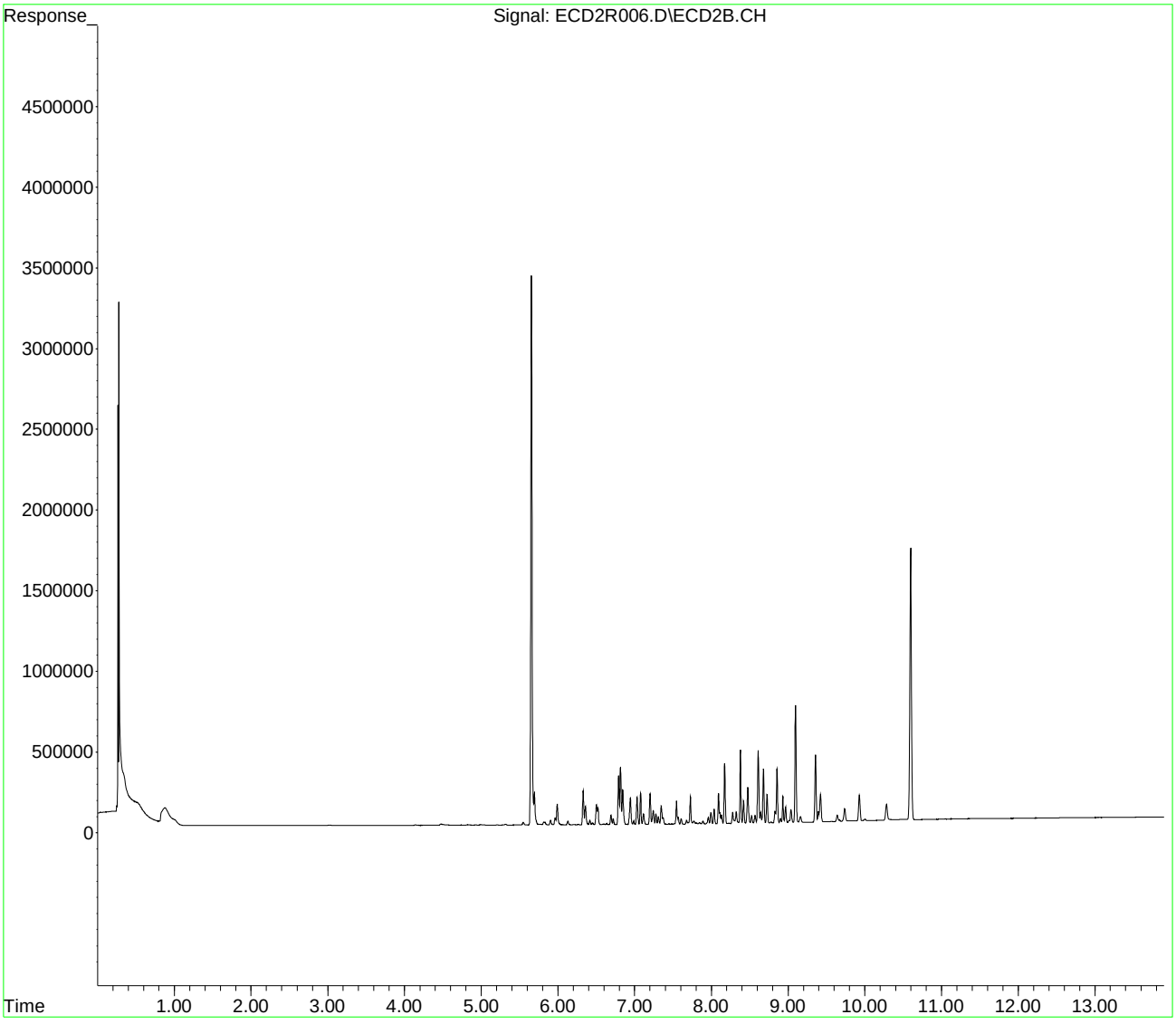
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	41030	9.121	ng/ml
61)	Aroclor 1268 (5)	9.927	160383	94.018	ng/ml
62)	Aroclor 1268 (6)	10.281	97129	8.369	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.655	3404719	64.859	ng/ml
64)	S DCBP (S)	10.597	1683270	74.357	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	209641	127.838	ng/ml
3)	Aroclor 1016 (2)	6.817	353509	128.200	ng/ml
4)	Aroclor 1016 (3)	6.944	164136	129.418	ng/ml
5)	Aroclor 1016 (4)	7.032	170143	126.303	ng/ml
6)	Aroclor 1016 (5)	7.076	194195	129.954	ng/ml
7)	Aroclor 1016 (6)	7.202	189894	129.494	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.171	371944	130.389	ng/ml
44)	Aroclor 1260 (2)	8.378	455768	132.710	ng/ml
45)	Aroclor 1260 (3)	8.609	449611	129.026	ng/ml
46)	Aroclor 1260 (4)	9.095	724709	138.486	ng/ml
47)	Aroclor 1260 (5)	9.356	416485	136.991	ng/ml
48)	Aroclor 1260 (6)	9.927	160383	134.861	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

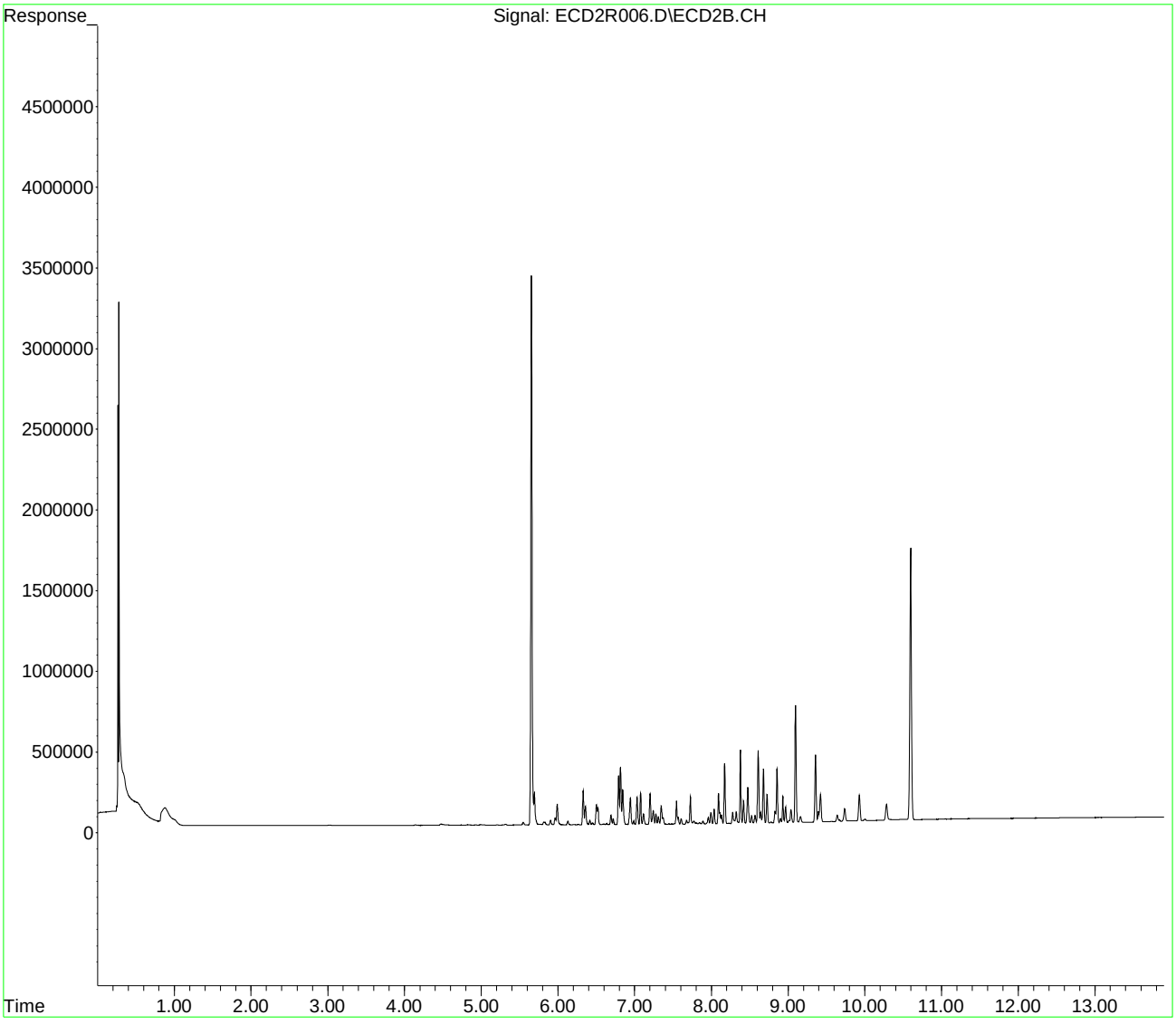
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:04 pm
Operator : MJB / KAK
Sample : 1D06062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:08:25 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.654	6808859	129.708	ng/ml
64) S	DCBP (S)	10.598	3433860	151.688	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	400857	244.442	ng/ml
3)	Aroclor 1016 (2)	6.817	714092	258.966	ng/ml
4)	Aroclor 1016 (3)	6.944	327393	258.143	ng/ml
5)	Aroclor 1016 (4)	7.031	336811	250.025	ng/ml
6)	Aroclor 1016 (5)	7.076	372106	249.009	ng/ml
7)	Aroclor 1016 (6)	7.202	371335	253.224	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.831	28722	73.524	ng/ml
10)	Aroclor 1221 (2)	5.905	52877	135.973	ng/ml
11)	Aroclor 1221 (3)	5.992	239807	187.845	ng/ml
12)	Aroclor 1221 (4)	6.502	238761	931.921	ng/ml
13)	Aroclor 1221 (5)	6.817	714092	3558.131	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	239807	237.087	ng/ml
16)	Aroclor 1232 (2)	6.328	400857	660.797	ng/ml
17)	Aroclor 1232 (3)	6.817	714092	693.480	ng/ml
18)	Aroclor 1232 (4)	7.031	336811	795.957	ng/ml
19)	Aroclor 1232 (5)	7.076	372106	782.277	ng/ml
20)	Aroclor 1232 (6)	7.202	371335	747.831	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	400857	355.353	ng/ml
23)	Aroclor 1242 (2)	6.817	714092	372.595	ng/ml
24)	Aroclor 1242 (3)	6.944	327393	361.745	ng/ml
25)	Aroclor 1242 (4)	7.031	336811	384.169	ng/ml
26)	Aroclor 1242 (5)	7.076	372106	376.078	ng/ml
27)	Aroclor 1242 (6)	7.202	371335	352.793	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	594421	433.328	ng/ml
30)	Aroclor 1248 (2)	7.031	336811	185.445	ng/ml
31)	Aroclor 1248 (3)	7.076	372106	217.520	ng/ml
32)	Aroclor 1248 (4)	7.202	371335	179.654	ng/ml
33)	Aroclor 1248 (5)	7.566	84954	33.635	ng/ml
34)	Aroclor 1248 (6)	7.725	316915	136.501	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.544	272198	131.111	ng/ml
37)	Aroclor 1254 (2)	7.725	316915	95.030	ng/ml
38)	Aroclor 1254 (3)	8.036	174018	48.089	ng/ml
39)	Aroclor 1254 (4)	8.275	124008	47.111	ng/ml
40)	Aroclor 1254 (5)	8.610	936529	337.150	ng/ml
41)	Aroclor 1254 (6)	8.828	139339	172.128	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.172	727001	254.857	ng/ml
44)	Aroclor 1260 (2)	8.379	908052	264.405	ng/ml
45)	Aroclor 1260 (3)	8.610	936529	268.757	ng/ml
46)	Aroclor 1260 (4)	9.096	1515557	289.611	ng/ml
47)	Aroclor 1260 (5)	9.357	854229	280.973	ng/ml
48)	Aroclor 1260 (6)	9.928	323673	272.167	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	908052	360.130	ng/ml
51)	Aroclor 1262 (2)	8.679	680863	188.896	ng/ml
52)	Aroclor 1262 (3)	8.857	664107	224.540	ng/ml
53)	Aroclor 1262 (4)	9.096	1515557	252.457	ng/ml
54)	Aroclor 1262 (5)	9.357	854229	244.777	ng/ml
55)	Aroclor 1262 (6)	9.928	323673	207.791	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.898	54674	36.260	ng/ml
58)	Aroclor 1268 (2)	9.357	854229	132.415	ng/ml
59)	Aroclor 1268 (3)	9.422	331204	62.134	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

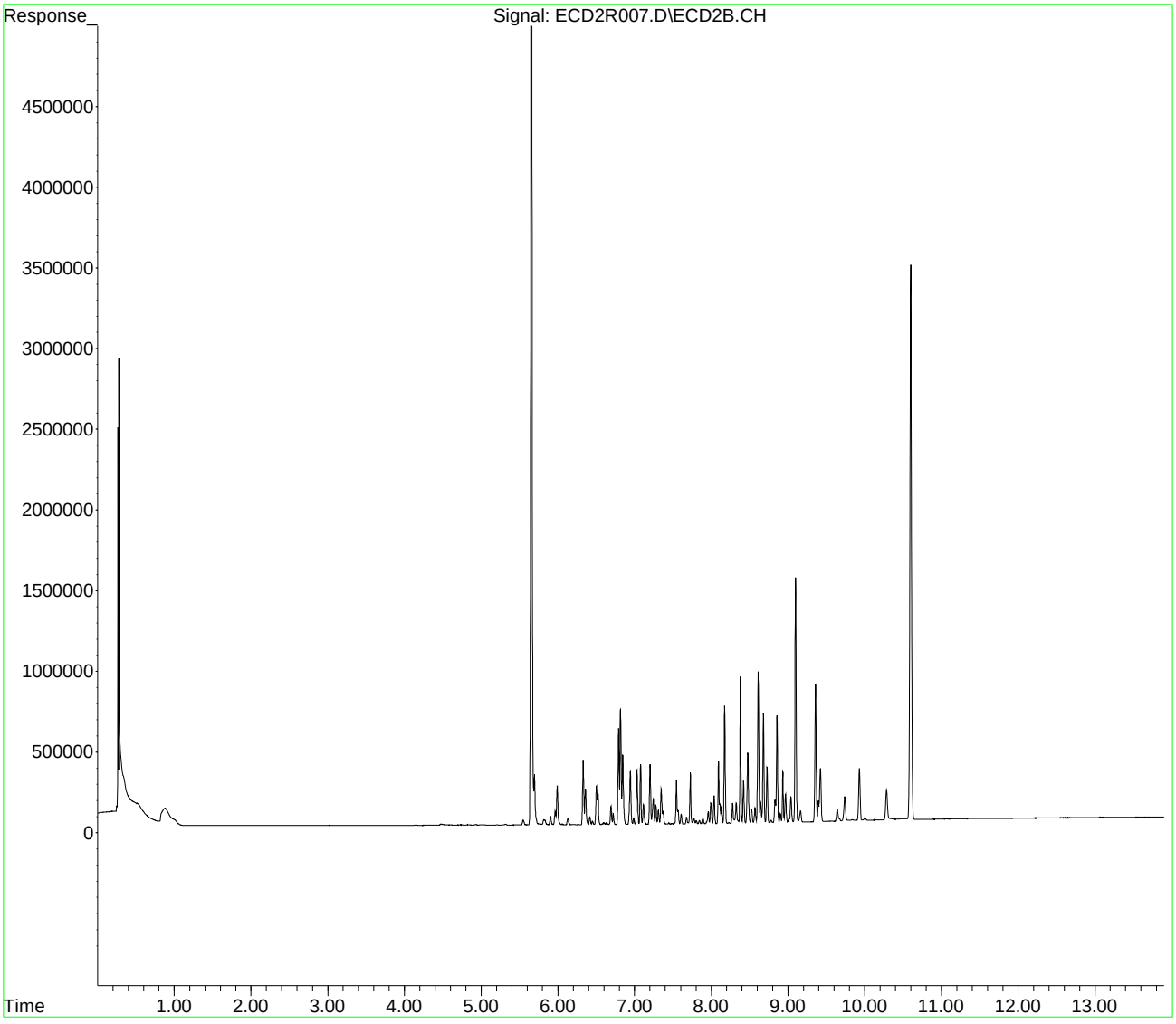
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.640	74772	16.622	ng/ml
61)	Aroclor 1268 (5)	9.928	323673	189.740	ng/ml
62)	Aroclor 1268 (6)	10.282	188234	16.219	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.654	6808859	129.708	ng/ml
64) S	DCBP (S)	10.598	3433860	151.688	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	400857	244.442	ng/ml
3)	Aroclor 1016 (2)	6.817	714092	258.966	ng/ml
4)	Aroclor 1016 (3)	6.944	327393	258.143	ng/ml
5)	Aroclor 1016 (4)	7.031	336811	250.025	ng/ml
6)	Aroclor 1016 (5)	7.076	372106	249.009	ng/ml
7)	Aroclor 1016 (6)	7.202	371335	253.224	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.172	727001	254.857	ng/ml
44)	Aroclor 1260 (2)	8.379	908052	264.405	ng/ml
45)	Aroclor 1260 (3)	8.610	936529	268.757	ng/ml
46)	Aroclor 1260 (4)	9.096	1515557	289.611	ng/ml
47)	Aroclor 1260 (5)	9.357	854229	280.973	ng/ml
48)	Aroclor 1260 (6)	9.928	323673	272.167	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

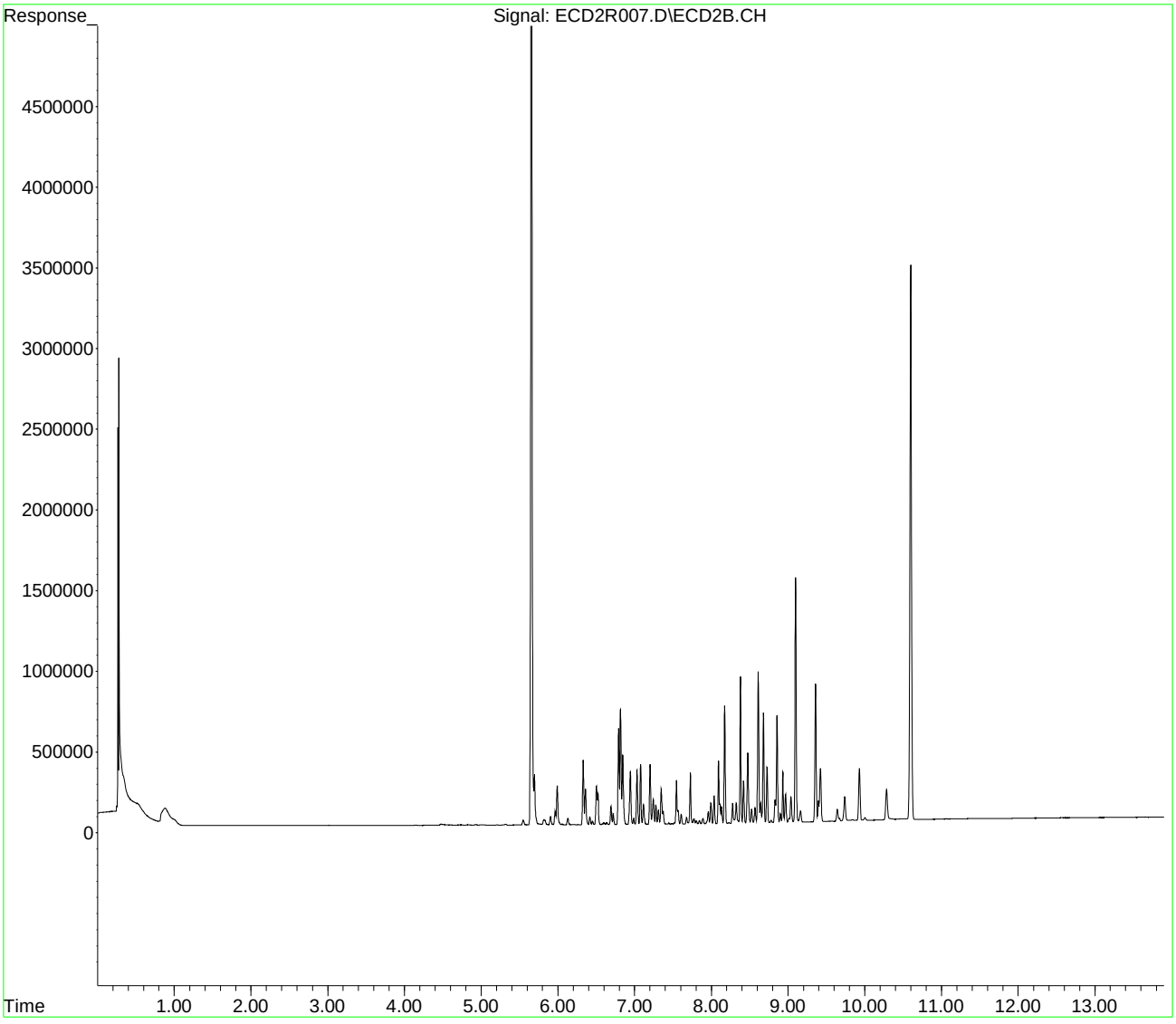
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:21 pm
Operator : MJB / KAK
Sample : 1D06062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:09:44 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	16717712	318.470	ng/ml
64) S	DCBP (S)	10.598	8309481	367.065	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.327	978060	596.419	ng/ml
3)	Aroclor 1016 (2)	6.816	1800696	653.024	ng/ml
4)	Aroclor 1016 (3)	6.943	780052	615.054	ng/ml
5)	Aroclor 1016 (4)	7.031	778634	578.004	ng/ml
6)	Aroclor 1016 (5)	7.076	875442	585.838	ng/ml
7)	Aroclor 1016 (6)	7.201	886396	604.459	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.831	64542	165.219	ng/ml
10)	Aroclor 1221 (2)	5.905	121099	311.404	ng/ml
11)	Aroclor 1221 (3)	5.992	588213	460.757	ng/ml
12)	Aroclor 1221 (4)	6.501	582449	2273.386	ng/ml
13)	Aroclor 1221 (5)	6.816	1800696	8972.392	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	588213	581.541	ng/ml
16)	Aroclor 1232 (2)	6.327	978060	1612.294	ng/ml
17)	Aroclor 1232 (3)	6.816	1800696	1748.720	ng/ml
18)	Aroclor 1232 (4)	7.031	778634	1840.079	ng/ml
19)	Aroclor 1232 (5)	7.076	875442	1840.443	ng/ml
20)	Aroclor 1232 (6)	7.201	886396	1785.113	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.327	978060	867.033	ng/ml
23)	Aroclor 1242 (2)	6.816	1800696	939.558	ng/ml
24)	Aroclor 1242 (3)	6.943	780052	861.899	ng/ml
25)	Aroclor 1242 (4)	7.031	778634	888.115	ng/ml
26)	Aroclor 1242 (5)	7.076	875442	884.789	ng/ml
27)	Aroclor 1242 (6)	7.201	886396	842.136	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.789	1522068	1109.575	ng/ml
30)	Aroclor 1248 (2)	7.031	778634	428.709	ng/ml
31)	Aroclor 1248 (3)	7.076	875442	511.752	ng/ml
32)	Aroclor 1248 (4)	7.201	886396	428.843	ng/ml
33)	Aroclor 1248 (5)	7.566	193459	76.595	ng/ml
34)	Aroclor 1248 (6)	7.725	741896	319.548	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.544	658720	317.289	ng/ml
37)	Aroclor 1254 (2)	7.725	741896	222.464	ng/ml
38)	Aroclor 1254 (3)	8.035	418775	115.727	ng/ml
39)	Aroclor 1254 (4)	8.275	284482	108.076	ng/ml
40)	Aroclor 1254 (5)	8.610	2297233	827.003	ng/ml
41)	Aroclor 1254 (6)	8.828	323383	399.481	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.172	1831373	642.005	ng/ml
44)	Aroclor 1260 (2)	8.378	2212910	644.351	ng/ml
45)	Aroclor 1260 (3)	8.610	2297233	659.240	ng/ml
46)	Aroclor 1260 (4)	9.096	3562111	680.690	ng/ml
47)	Aroclor 1260 (5)	9.356	2159157	710.191	ng/ml
48)	Aroclor 1260 (6)	9.928	776072	652.577	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.378	2212910	877.631	ng/ml
51)	Aroclor 1262 (2)	8.679	1712939	475.231	ng/ml
52)	Aroclor 1262 (3)	8.857	1648696	557.437	ng/ml
53)	Aroclor 1262 (4)	9.096	3562111	593.367	ng/ml
54)	Aroclor 1262 (5)	9.356	2159157	618.700	ng/ml
55)	Aroclor 1262 (6)	9.928	776072	498.221	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	119897	79.516	ng/ml
58)	Aroclor 1268 (2)	9.356	2159157	334.695	ng/ml
59)	Aroclor 1268 (3)	9.422	806957	151.387	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

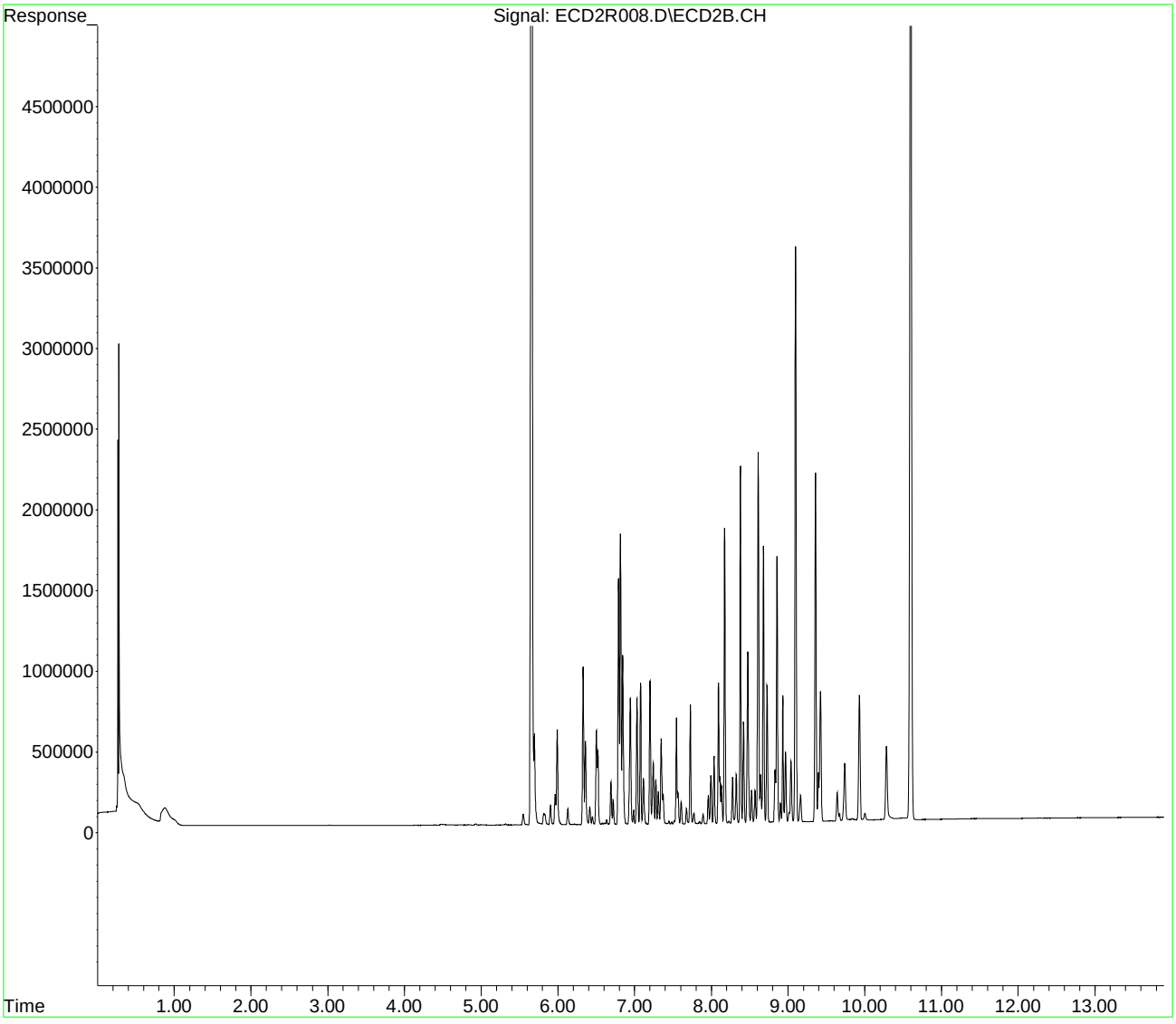
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.639	176311	39.193	ng/ml
61)	Aroclor 1268 (5)	9.928	776072	454.940	ng/ml
62)	Aroclor 1268 (6)	10.281	454593	39.169	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	16717712	318.470	ng/ml
64) S	DCBP (S)	10.598	8309481	367.065	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.327	978060	596.419	ng/ml
3)	Aroclor 1016 (2)	6.816	1800696	653.024	ng/ml
4)	Aroclor 1016 (3)	6.943	780052	615.054	ng/ml
5)	Aroclor 1016 (4)	7.031	778634	578.004	ng/ml
6)	Aroclor 1016 (5)	7.076	875442	585.838	ng/ml
7)	Aroclor 1016 (6)	7.201	886396	604.459	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.172	1831373	642.005	ng/ml
44)	Aroclor 1260 (2)	8.378	2212910	644.351	ng/ml
45)	Aroclor 1260 (3)	8.610	2297233	659.240	ng/ml
46)	Aroclor 1260 (4)	9.096	3562111	680.690	ng/ml
47)	Aroclor 1260 (5)	9.356	2159157	710.191	ng/ml
48)	Aroclor 1260 (6)	9.928	776072	652.577	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

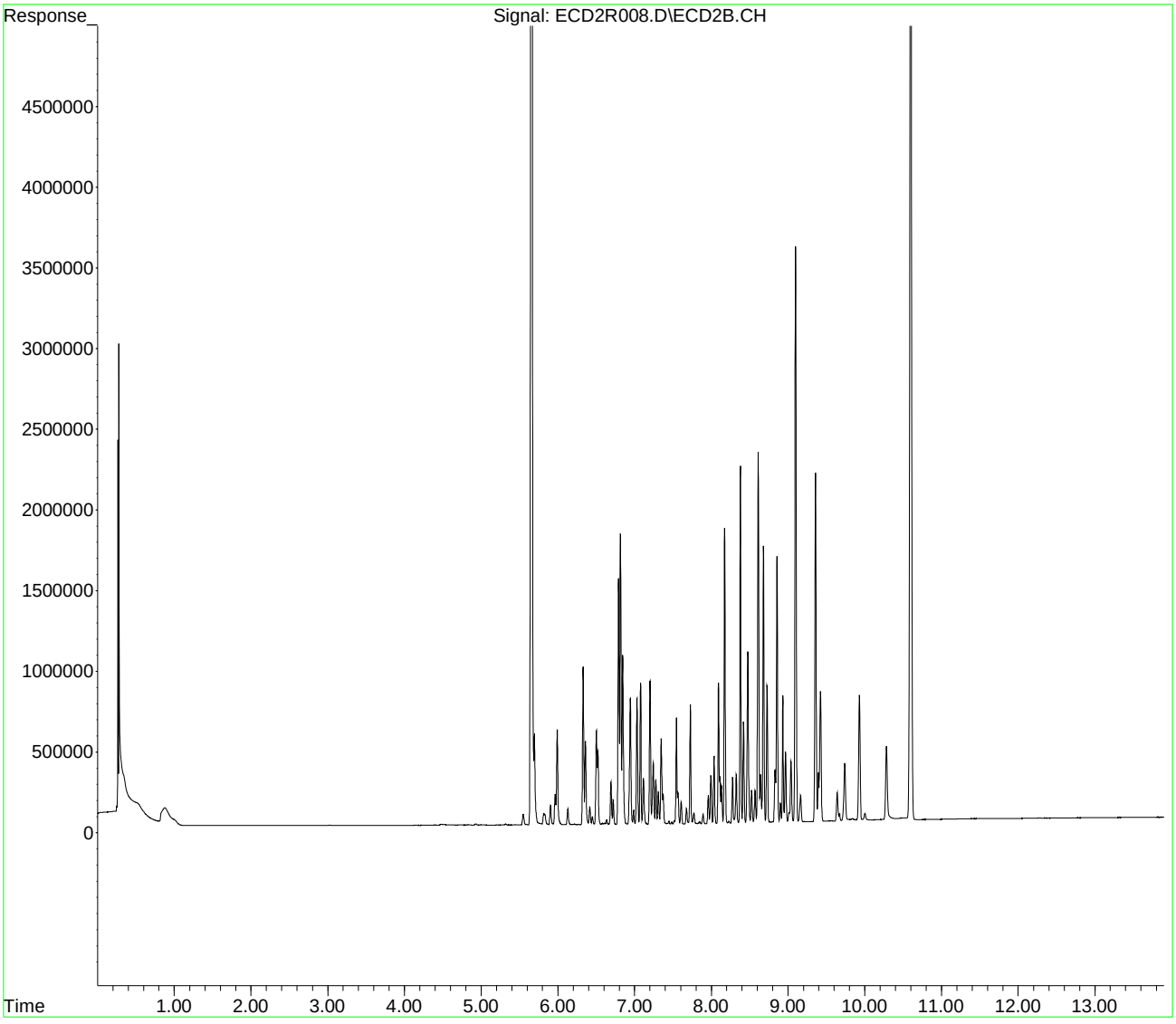
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:39 pm
Operator : MJB / KAK
Sample : 1D06062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:11:07 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	36446947	694.309	ng/ml
64) S	DCBP (S)	10.599	18161828	802.284	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	1901390	1159.465	ng/ml
3)	Aroclor 1016 (2)	6.817	3474212	1259.926	ng/ml
4)	Aroclor 1016 (3)	6.945	1621468	1278.492	ng/ml
5)	Aroclor 1016 (4)	7.032	1540927	1143.877	ng/ml
6)	Aroclor 1016 (5)	7.077	1699394	1137.218	ng/ml
7)	Aroclor 1016 (6)	7.202	1750979	1194.044	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.830	112203	287.226	ng/ml
10)	Aroclor 1221 (2)	5.906	218630	562.205	ng/ml
11)	Aroclor 1221 (3)	5.992	1146019	897.696	ng/ml
12)	Aroclor 1221 (4)	6.502	1095705	4276.706	ng/ml
13)	Aroclor 1221 (5)	6.817	3474212	17311.078	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	1146019	1133.019	ng/ml
16)	Aroclor 1232 (2)	6.328	1901390	3134.369	ng/ml
17)	Aroclor 1232 (3)	6.817	3474212	3373.931	ng/ml
18)	Aroclor 1232 (4)	7.032	1540927	3641.541	ng/ml
19)	Aroclor 1232 (5)	7.077	1699394	3572.635	ng/ml
20)	Aroclor 1232 (6)	7.202	1750979	3526.299	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	1901390	1685.549	ng/ml
23)	Aroclor 1242 (2)	6.817	3474212	1812.757	ng/ml
24)	Aroclor 1242 (3)	6.945	1621468	1791.600	ng/ml
25)	Aroclor 1242 (4)	7.032	1540927	1757.590	ng/ml
26)	Aroclor 1242 (5)	7.077	1699394	1717.537	ng/ml
27)	Aroclor 1242 (6)	7.202	1750979	1663.550	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	2888150	2105.439	ng/ml
30)	Aroclor 1248 (2)	7.032	1540927	848.421	ng/ml
31)	Aroclor 1248 (3)	7.077	1699394	993.405	ng/ml
32)	Aroclor 1248 (4)	7.202	1750979	847.134	ng/ml
33)	Aroclor 1248 (5)	7.567	373520	147.885	ng/ml
34)	Aroclor 1248 (6)	7.727	1492619	642.897	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	1273139	613.239	ng/ml
37)	Aroclor 1254 (2)	7.727	1492619	447.574	ng/ml
38)	Aroclor 1254 (3)	8.036	843456	233.086	ng/ml
39)	Aroclor 1254 (4)	8.276	567044	215.423	ng/ml
40)	Aroclor 1254 (5)	8.611	4546951	1636.901	ng/ml
41)	Aroclor 1254 (6)	8.829	664117	820.395	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.172	3715911	1302.648	ng/ml
44)	Aroclor 1260 (2)	8.379	4401655	1281.666	ng/ml
45)	Aroclor 1260 (3)	8.611	4546951	1304.846	ng/ml
46)	Aroclor 1260 (4)	9.097	7623477	1456.784	ng/ml
47)	Aroclor 1260 (5)	9.358	4326339	1423.021	ng/ml
48)	Aroclor 1260 (6)	9.929	1572029	1321.873	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	4401655	1745.679	ng/ml
51)	Aroclor 1262 (2)	8.681	3297489	914.843	ng/ml
52)	Aroclor 1262 (3)	8.858	3395543	1148.060	ng/ml
53)	Aroclor 1262 (4)	9.097	7623477	1269.898	ng/ml
54)	Aroclor 1262 (5)	9.358	4326339	1239.700	ng/ml
55)	Aroclor 1262 (6)	9.929	1572029	1009.206	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	220735	146.392	ng/ml
58)	Aroclor 1268 (2)	9.358	4326339	670.633	ng/ml
59)	Aroclor 1268 (3)	9.423	1681529	315.458	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

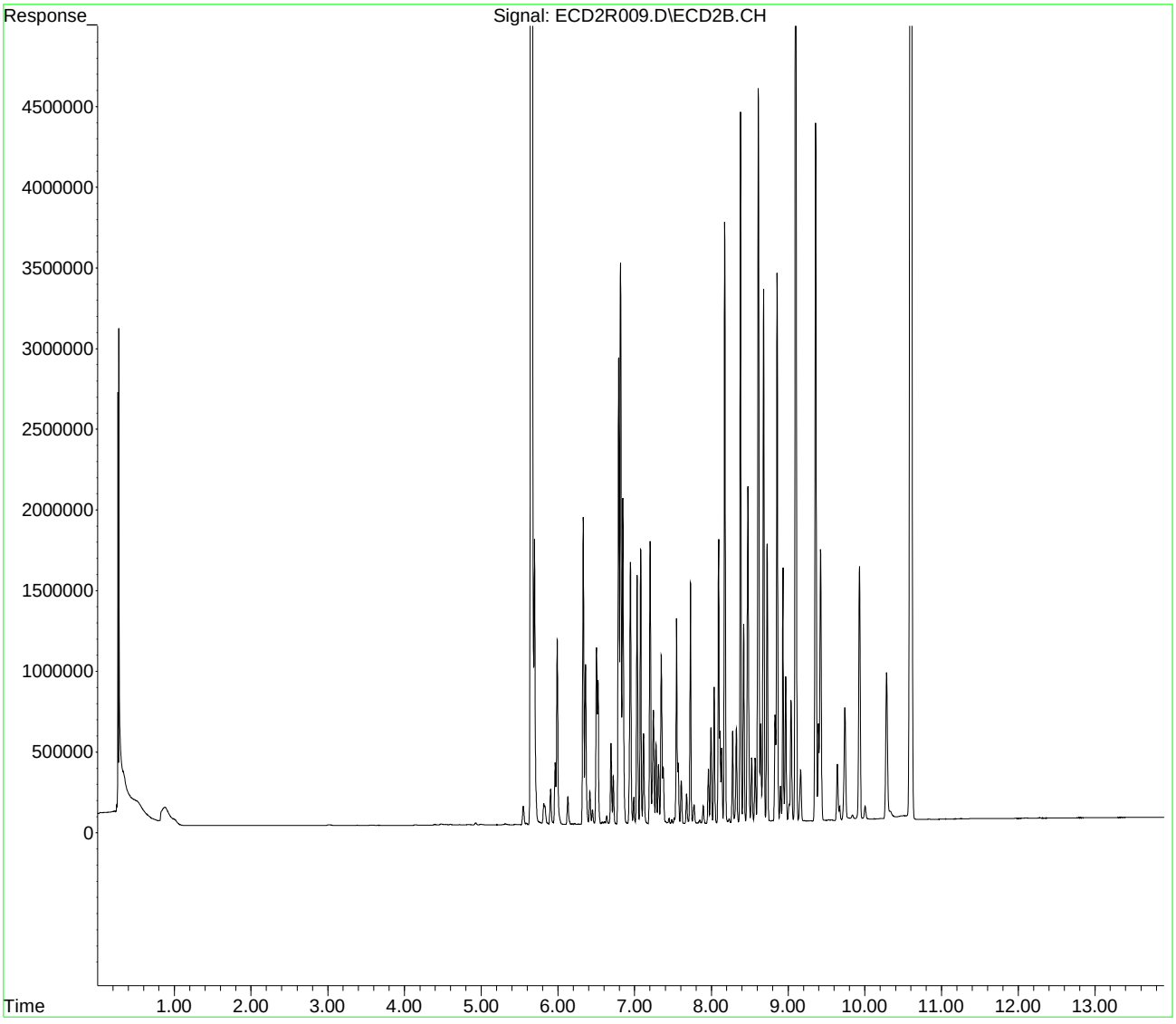
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	350348	77.881	ng/ml
61)	Aroclor 1268 (5)	9.929	1572029	921.537	ng/ml
62)	Aroclor 1268 (6)	10.282	911173	78.509	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.656	36446947	694.309	ng/ml
64)	S DCBP (S)	10.599	18161828	802.284	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	1901390	1159.465	ng/ml
3)	Aroclor 1016 (2)	6.817	3474212	1259.926	ng/ml
4)	Aroclor 1016 (3)	6.945	1621468	1278.492	ng/ml
5)	Aroclor 1016 (4)	7.032	1540927	1143.877	ng/ml
6)	Aroclor 1016 (5)	7.077	1699394	1137.218	ng/ml
7)	Aroclor 1016 (6)	7.202	1750979	1194.044	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.172	3715911	1302.648	ng/ml
44)	Aroclor 1260 (2)	8.379	4401655	1281.666	ng/ml
45)	Aroclor 1260 (3)	8.611	4546951	1304.846	ng/ml
46)	Aroclor 1260 (4)	9.097	7623477	1456.784	ng/ml
47)	Aroclor 1260 (5)	9.358	4326339	1423.021	ng/ml
48)	Aroclor 1260 (6)	9.929	1572029	1321.873	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

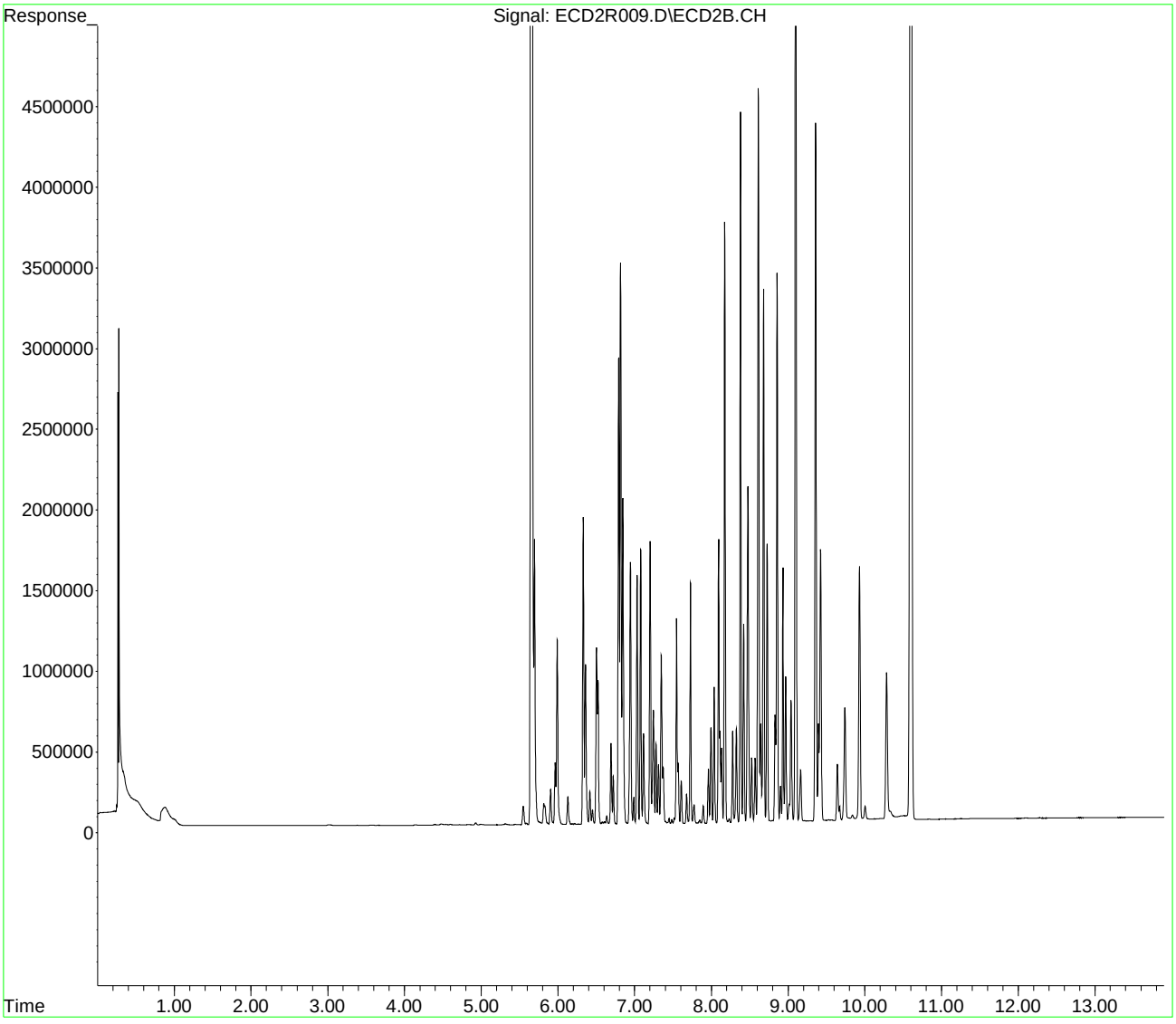
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 4:57 pm
Operator : MJB / KAK
Sample : 1D06062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:12:37 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	62545519	1191.483	ng/ml
64) S	DCBP (S)	10.599	30683704	1355.428	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	2924042	1783.076	ng/ml
3)	Aroclor 1016 (2)	6.817	5668291	2055.612	ng/ml
4)	Aroclor 1016 (3)	6.944	2540678	2003.269	ng/ml
5)	Aroclor 1016 (4)	7.031	2410449	1789.350	ng/ml
6)	Aroclor 1016 (5)	7.076	2707258	1811.671	ng/ml
7)	Aroclor 1016 (6)	7.201	2683795	1830.157	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.830	170114	435.472	ng/ml
10)	Aroclor 1221 (2)	5.904	324414	834.229	ng/ml
11)	Aroclor 1221 (3)	5.991	1728985	1354.343	ng/ml
12)	Aroclor 1221 (4)	6.501	1741005	6795.410	ng/ml
13)	Aroclor 1221 (5)	6.817	5668291	28243.597	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.991	1728985	1709.373	ng/ml
16)	Aroclor 1232 (2)	6.328	2924042	4820.170	ng/ml
17)	Aroclor 1232 (3)	6.817	5668291	5504.681	ng/ml
18)	Aroclor 1232 (4)	7.031	2410449	5696.407	ng/ml
19)	Aroclor 1232 (5)	7.076	2707258	5691.470	ng/ml
20)	Aroclor 1232 (6)	7.201	2683795	5404.897	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	2924042	2592.112	ng/ml
23)	Aroclor 1242 (2)	6.817	5668291	2957.573	ng/ml
24)	Aroclor 1242 (3)	6.944	2540678	2807.256	ng/ml
25)	Aroclor 1242 (4)	7.031	2410449	2749.372	ng/ml
26)	Aroclor 1242 (5)	7.076	2707258	2736.162	ng/ml
27)	Aroclor 1242 (6)	7.201	2683795	2549.788	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.789	4439385	3236.277	ng/ml
30)	Aroclor 1248 (2)	7.031	2410449	1327.172	ng/ml
31)	Aroclor 1248 (3)	7.076	2707258	1582.566	ng/ml
32)	Aroclor 1248 (4)	7.201	2683795	1298.435	ng/ml
33)	Aroclor 1248 (5)	7.566	553368	219.091	ng/ml
34)	Aroclor 1248 (6)	7.726	2260978	973.843	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	1973826	950.743	ng/ml
37)	Aroclor 1254 (2)	7.726	2260978	677.973	ng/ml
38)	Aroclor 1254 (3)	8.036	1312992	362.840	ng/ml
39)	Aroclor 1254 (4)	8.275	861174	327.164	ng/ml
40)	Aroclor 1254 (5)	8.610	6928103	2494.115	ng/ml
41)	Aroclor 1254 (6)	8.829	1011374	1249.367	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.172	5723564	2006.449	ng/ml
44)	Aroclor 1260 (2)	8.379	7126507	2075.084	ng/ml
45)	Aroclor 1260 (3)	8.610	6928103	1988.168	ng/ml
46)	Aroclor 1260 (4)	9.097	11879429	2270.061	ng/ml
47)	Aroclor 1260 (5)	9.358	6591028	2167.923	ng/ml
48)	Aroclor 1260 (6)	9.929	2475024	2081.176	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	7126507	2826.345	ng/ml
51)	Aroclor 1262 (2)	8.680	5269799	1462.034	ng/ml
52)	Aroclor 1262 (3)	8.858	5202829	1759.118	ng/ml
53)	Aroclor 1262 (4)	9.097	11879429	1978.843	ng/ml
54)	Aroclor 1262 (5)	9.358	6591028	1888.640	ng/ml
55)	Aroclor 1262 (6)	9.929	2475024	1588.909	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.899	341231	226.305	ng/ml
58)	Aroclor 1268 (2)	9.358	6591028	1021.686	ng/ml
59)	Aroclor 1268 (3)	9.424	2551292	478.627	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

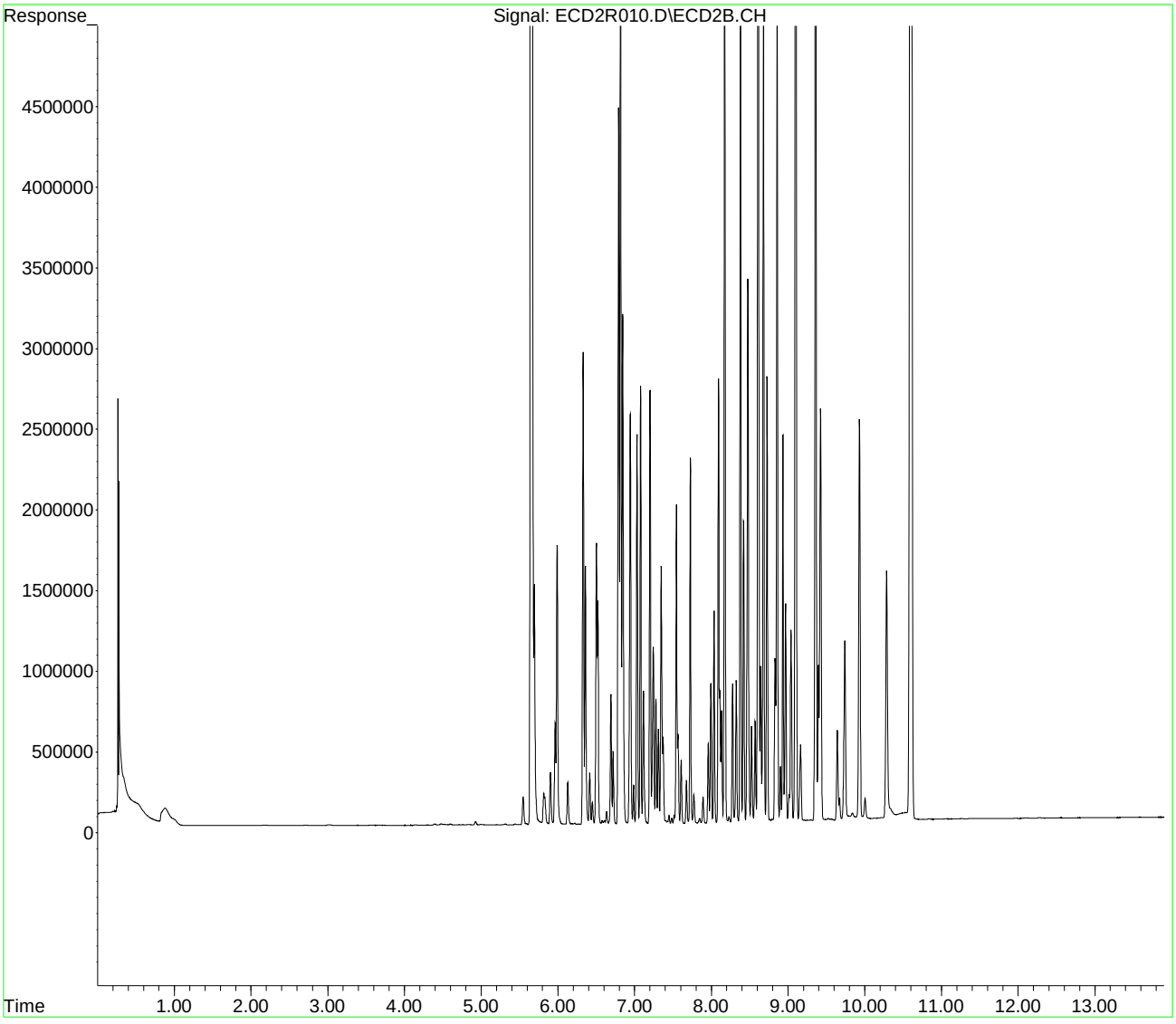
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	557254	123.876	ng/ml
61)	Aroclor 1268 (5)	9.929	2475024	1450.881	ng/ml
62)	Aroclor 1268 (6)	10.283	1523022	131.227	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.655	62545519	1191.483	ng/ml
64)	S DCBP (S)	10.599	30683704	1355.428	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	2924042	1783.076	ng/ml
3)	Aroclor 1016 (2)	6.817	5668291	2055.612	ng/ml
4)	Aroclor 1016 (3)	6.944	2540678	2003.269	ng/ml
5)	Aroclor 1016 (4)	7.031	2410449	1789.350	ng/ml
6)	Aroclor 1016 (5)	7.076	2707258	1811.671	ng/ml
7)	Aroclor 1016 (6)	7.201	2683795	1830.157	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.172	5723564	2006.449	ng/ml
44)	Aroclor 1260 (2)	8.379	7126507	2075.084	ng/ml
45)	Aroclor 1260 (3)	8.610	6928103	1988.168	ng/ml
46)	Aroclor 1260 (4)	9.097	11879429	2270.061	ng/ml
47)	Aroclor 1260 (5)	9.358	6591028	2167.923	ng/ml
48)	Aroclor 1260 (6)	9.929	2475024	2081.176	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

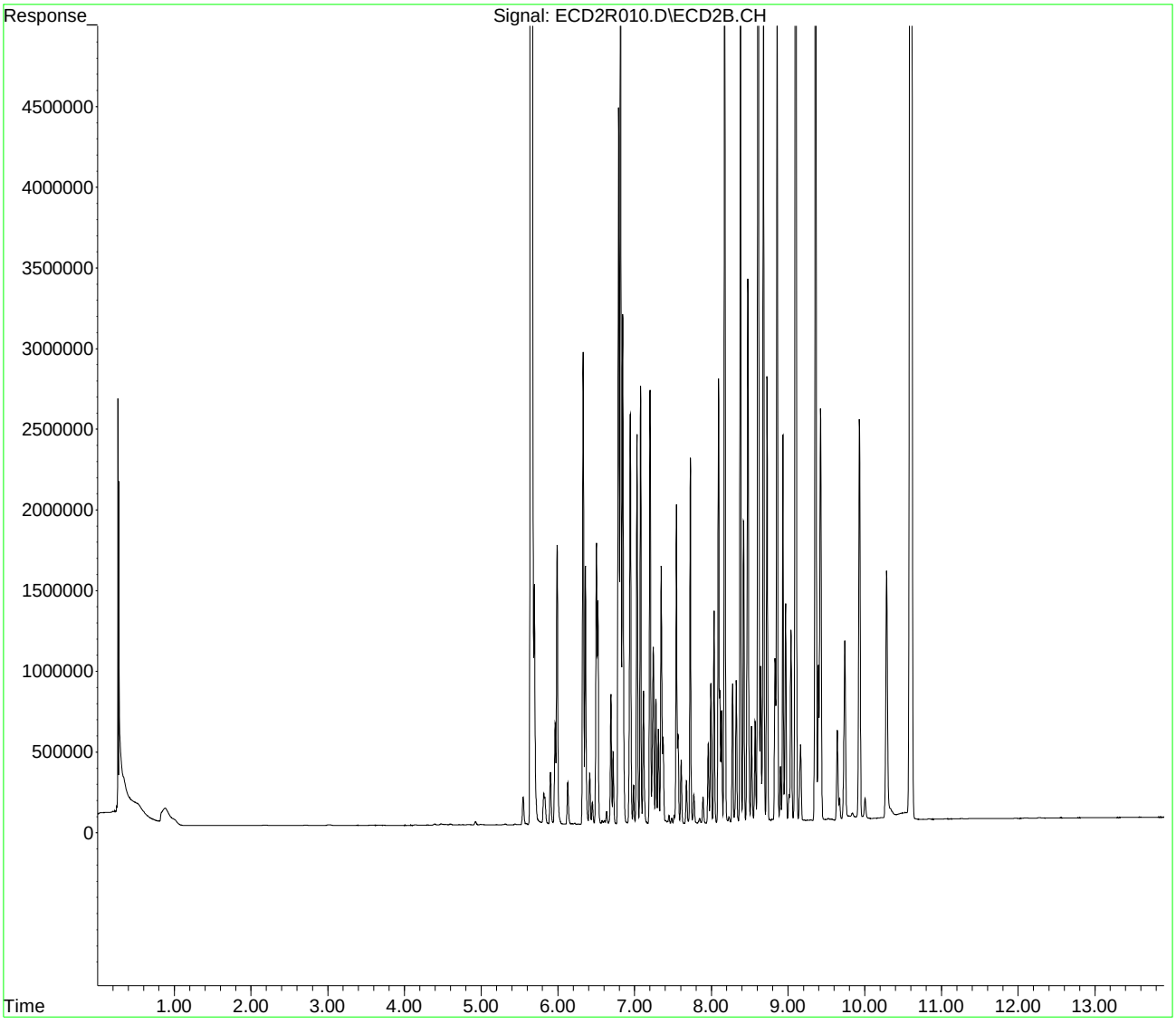
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 5:14 pm
Operator : MJB / KAK
Sample : 1D06062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:14:40 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Feb 17 08:41:04 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.592f	9355	0.178	ng/ml
64) S	DCBP (S)	10.601	1044	0.046	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	87562	53.395	ng/ml
3)	Aroclor 1016 (2)	6.818	129966	47.132	ng/ml
4)	Aroclor 1016 (3)	6.945	58408	46.053	ng/ml
5)	Aroclor 1016 (4)	7.032	27934	20.736	ng/ml
6)	Aroclor 1016 (5)	7.077	30879	20.664	ng/ml
7)	Aroclor 1016 (6)	7.203	30868	21.050	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.833	250908	642.297	ng/ml
10)	Aroclor 1221 (2)	5.906	250320	643.695	ng/ml
11)	Aroclor 1221 (3)	5.993	849355	665.314	ng/ml
12)	Aroclor 1221 (4)	6.503	172451	673.103	ng/ml
13)	Aroclor 1221 (5)	6.818	129966	647.585	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	849355	839.721	ng/ml
16)	Aroclor 1232 (2)	6.328	87562	144.343	ng/ml
17)	Aroclor 1232 (3)	6.818	129966	126.214	ng/ml
18)	Aroclor 1232 (4)	7.032	27934	66.014	ng/ml
19)	Aroclor 1232 (5)	7.077	30879	64.917	ng/ml
20)	Aroclor 1232 (6)	7.203	30868	62.165	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	87562	77.622	ng/ml
23)	Aroclor 1242 (2)	6.818	129966	67.813	ng/ml
24)	Aroclor 1242 (3)	6.945	58408	64.536	ng/ml
25)	Aroclor 1242 (4)	7.032	27934	31.862	ng/ml
26)	Aroclor 1242 (5)	7.077	30879	31.209	ng/ml
27)	Aroclor 1242 (6)	7.203	30868	29.327	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	102310	74.583	ng/ml
30)	Aroclor 1248 (2)	7.032	27934	15.380	ng/ml
31)	Aroclor 1248 (3)	7.077	30879	18.051	ng/ml
32)	Aroclor 1248 (4)	7.203	30868	14.934	ng/ml
33)	Aroclor 1248 (5)	7.567	27451	10.868	ng/ml
34)	Aroclor 1248 (6)	7.724	28565	12.303	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.550	19198	9.247	ng/ml
37)	Aroclor 1254 (2)	7.724	28565	8.565	ng/ml
38)	Aroclor 1254 (3)	8.037	7583	2.096	ng/ml
39)	Aroclor 1254 (4)	8.293	20548	7.806	ng/ml
40)	Aroclor 1254 (5)	8.610	2608	0.939	ng/ml
41)	Aroclor 1254 (6)	8.842	2625	3.243	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	1896	0.665	ng/ml
44)	Aroclor 1260 (2)	8.378	3032	0.883	ng/ml
45)	Aroclor 1260 (3)	8.610	2608	0.748	ng/ml
46)	Aroclor 1260 (4)	9.098	1510	0.288	ng/ml
47)	Aroclor 1260 (5)	9.359	1003	0.330	ng/ml
48)	Aroclor 1260 (6)	9.930	653	0.549	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.378	3032	1.202	ng/ml
51)	Aroclor 1262 (2)	8.680	903	0.251	ng/ml
52)	Aroclor 1262 (3)	8.842	2625	0.888	ng/ml
53)	Aroclor 1262 (4)	9.098	1510	0.251	ng/ml
54)	Aroclor 1262 (5)	9.359	1003	0.288	ng/ml
55)	Aroclor 1262 (6)	9.930	653	0.419	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.934	1755	1.164	ng/ml
58)	Aroclor 1268 (2)	9.359	1003	0.156	ng/ml
59)	Aroclor 1268 (3)	9.435	1420	0.266	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

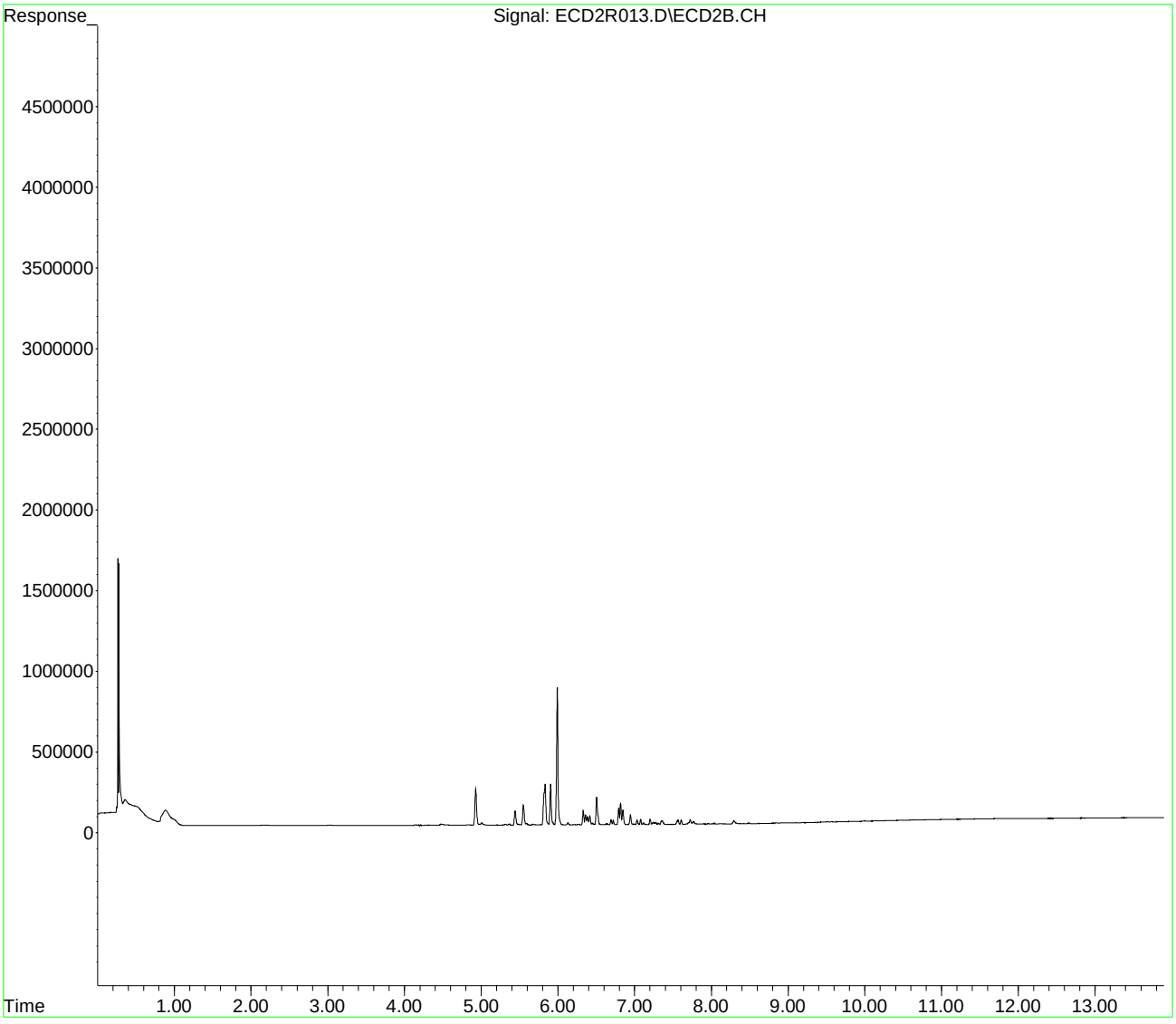
	Compound	R.T.	Response	Conc Units
60)	Aroclor 1268 (4)	9.641	768	0.171 ng/ml
61)	Aroclor 1268 (5)	9.930	653	0.383 ng/ml
62)	Aroclor 1268 (6)	10.301	257	0.022 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.833	250908	642.297	ng/ml
10)	Aroclor 1221 (2)	5.906	250320	643.695	ng/ml
11)	Aroclor 1221 (3)	5.993	849355	665.314	ng/ml
12)	Aroclor 1221 (4)	6.503	172451	673.103	ng/ml
13)	Aroclor 1221 (5)	6.818	129966	647.585	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

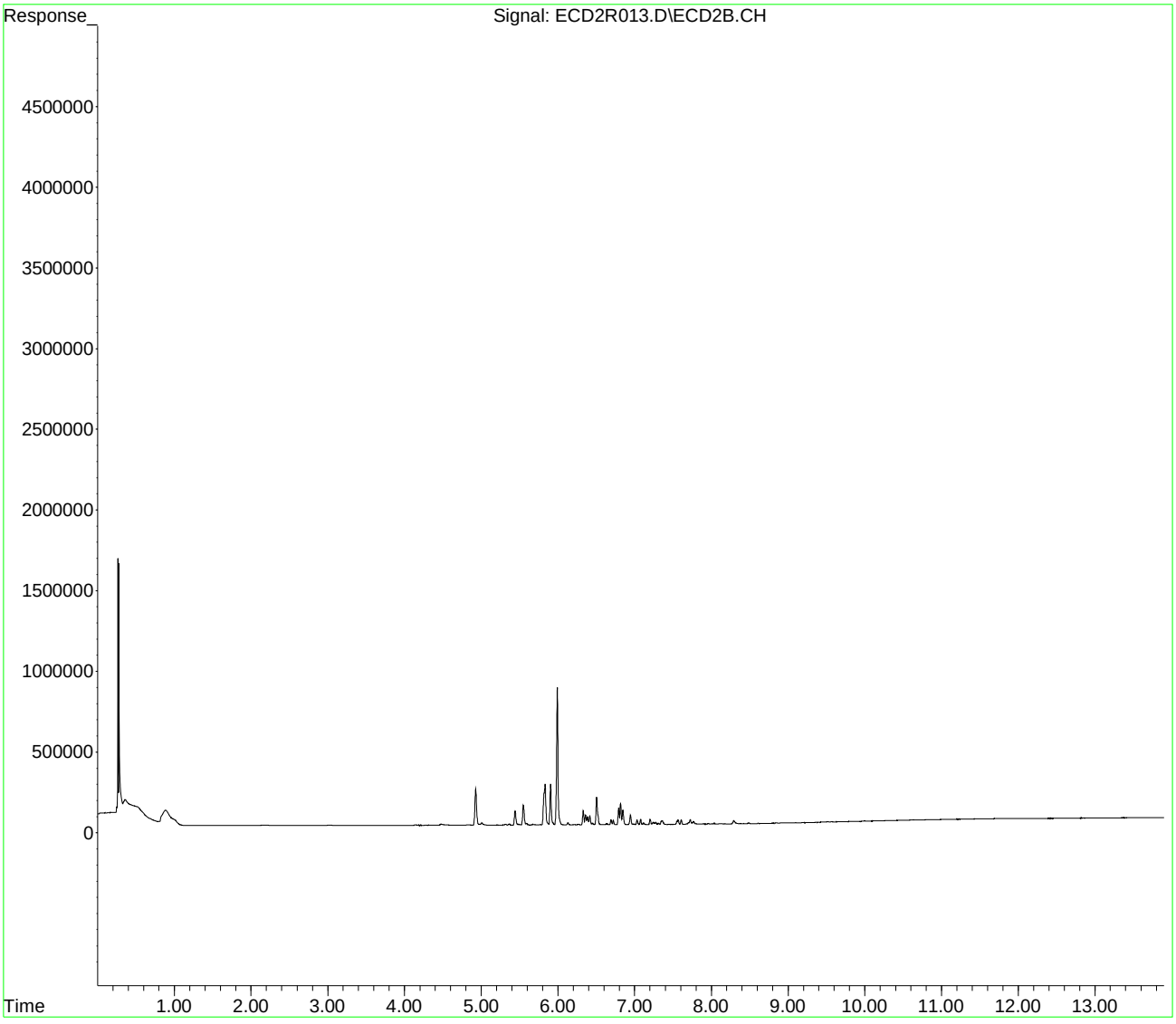
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:07 pm
Operator : MJB / KAK
Sample : 1D06062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:23:11 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:22:28 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.657	13352897	254.371	ng/ml
64) S	DCBP (S)	10.599	6717356	296.734	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	428532	261.318	ng/ml
3)	Aroclor 1016 (2)	6.818	718724	260.646	ng/ml
4)	Aroclor 1016 (3)	6.945	331365	261.274	ng/ml
5)	Aroclor 1016 (4)	7.033	284184	210.958	ng/ml
6)	Aroclor 1016 (5)	7.077	333428	223.127	ng/ml
7)	Aroclor 1016 (6)	7.202	344067	234.629	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.834	155358	397.700	ng/ml
10)	Aroclor 1221 (2)	5.905	177291	455.902	ng/ml
11)	Aroclor 1221 (3)	5.993	678786	531.704	ng/ml
12)	Aroclor 1221 (4)	6.503	307851	1201.589	ng/ml
13)	Aroclor 1221 (5)	6.818	718724	3581.213	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.993	678786	671.086	ng/ml
16)	Aroclor 1232 (2)	6.329	428532	706.419	ng/ml
17)	Aroclor 1232 (3)	6.818	718724	697.979	ng/ml
18)	Aroclor 1232 (4)	7.033	284184	671.587	ng/ml
19)	Aroclor 1232 (5)	7.077	333428	700.966	ng/ml
20)	Aroclor 1232 (6)	7.202	344067	692.917	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	428532	379.886	ng/ml
23)	Aroclor 1242 (2)	6.818	718724	375.012	ng/ml
24)	Aroclor 1242 (3)	6.945	331365	366.133	ng/ml
25)	Aroclor 1242 (4)	7.033	284184	324.141	ng/ml
26)	Aroclor 1242 (5)	7.077	333428	336.988	ng/ml
27)	Aroclor 1242 (6)	7.202	344067	326.887	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	614432	447.916	ng/ml
30)	Aroclor 1248 (2)	7.033	284184	156.469	ng/ml
31)	Aroclor 1248 (3)	7.077	333428	194.910	ng/ml
32)	Aroclor 1248 (4)	7.202	344067	166.462	ng/ml
33)	Aroclor 1248 (5)	7.568	398726	157.864	ng/ml
34)	Aroclor 1248 (6)	7.724	313348	134.964	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.550	270379	130.235	ng/ml
37)	Aroclor 1254 (2)	7.724	313348	93.960	ng/ml
38)	Aroclor 1254 (3)	8.037	111920	30.929	ng/ml
39)	Aroclor 1254 (4)	8.276	83481	31.715	ng/ml
40)	Aroclor 1254 (5)	8.611	23860	8.590	ng/ml
41)	Aroclor 1254 (6)	8.840	8071	9.970	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.174	18961	6.647	ng/ml
44)	Aroclor 1260 (2)	8.377	22146	6.449	ng/ml
45)	Aroclor 1260 (3)	8.611	23860	6.847	ng/ml
46)	Aroclor 1260 (4)	9.097	14973	2.861	ng/ml
47)	Aroclor 1260 (5)	9.358	10776	3.545	ng/ml
48)	Aroclor 1260 (6)	9.929	5005	4.209	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.377	22146	8.783	ng/ml
51)	Aroclor 1262 (2)	8.680	7967	2.210	ng/ml
52)	Aroclor 1262 (3)	8.857	9601	3.246	ng/ml
53)	Aroclor 1262 (4)	9.097	14973	2.494	ng/ml
54)	Aroclor 1262 (5)	9.358	10776	3.088	ng/ml
55)	Aroclor 1262 (6)	9.929	5005	3.213	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	2098	1.392	ng/ml
58)	Aroclor 1268 (2)	9.358	10776	1.670	ng/ml
59)	Aroclor 1268 (3)	9.422	3952	0.741	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

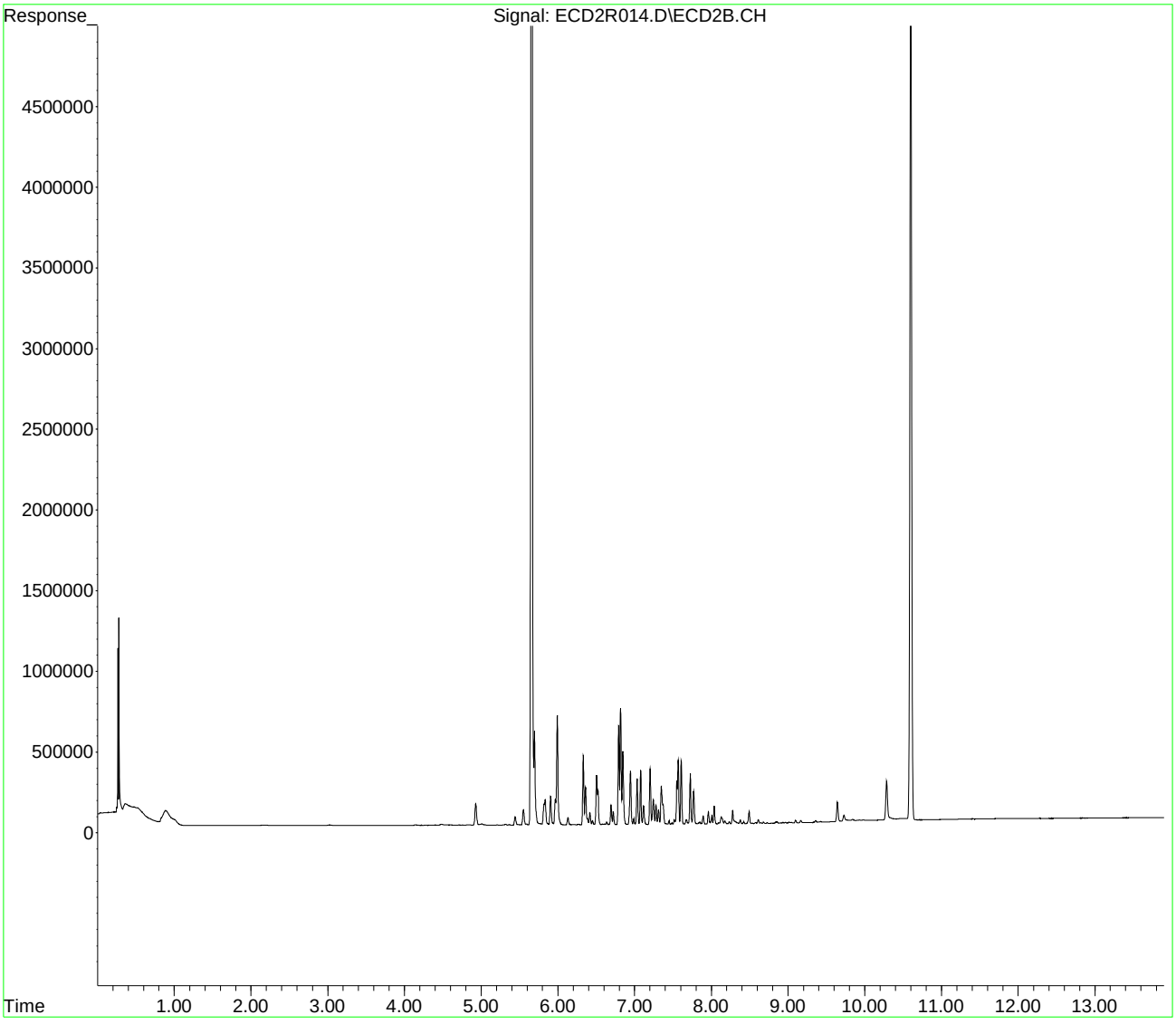
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	121588	27.029	ng/ml
61)	Aroclor 1268 (5)	9.929	5005	2.934	ng/ml
62)	Aroclor 1268 (6)	10.283	239817	20.663	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	5.993	678786	671.086	ng/ml
16)	Aroclor 1232 (2)	6.329	428532	706.419	ng/ml
17)	Aroclor 1232 (3)	6.818	718724	697.979	ng/ml
18)	Aroclor 1232 (4)	7.033	284184	671.587	ng/ml
19)	Aroclor 1232 (5)	7.077	333428	700.966	ng/ml
20)	Aroclor 1232 (6)	7.202	344067	692.917	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

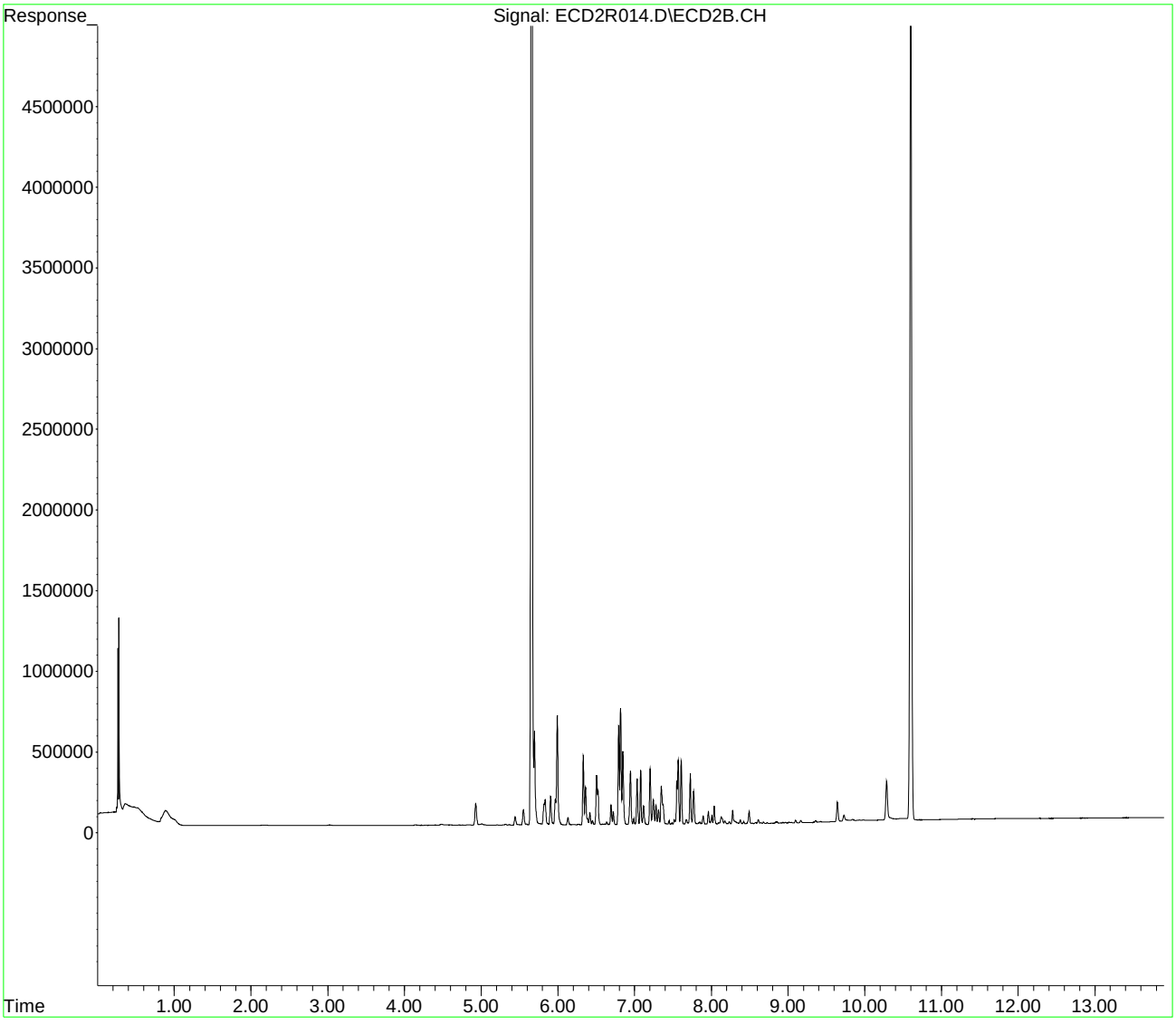
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:25 pm
Operator : MJB / KAK
Sample : 1D06062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:26:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:25:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	14213690	270.769	ng/ml
64) S	DCBP (S)	10.598	7163956	316.462	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	811722	494.987	ng/ml
3)	Aroclor 1016 (2)	6.817	1399728	507.613	ng/ml
4)	Aroclor 1016 (3)	6.944	646777	509.970	ng/ml
5)	Aroclor 1016 (4)	7.031	629099	467.000	ng/ml
6)	Aroclor 1016 (5)	7.077	718714	480.956	ng/ml
7)	Aroclor 1016 (6)	7.202	756101	515.607	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.832	57685	147.667	ng/ml
10)	Aroclor 1221 (2)	5.906	106679	274.323	ng/ml
11)	Aroclor 1221 (3)	5.992	497404	389.625	ng/ml
12)	Aroclor 1221 (4)	6.502	463421	1808.805	ng/ml
13)	Aroclor 1221 (5)	6.817	1399728	6974.476	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	497404	491.762	ng/ml
16)	Aroclor 1232 (2)	6.328	811722	1338.093	ng/ml
17)	Aroclor 1232 (3)	6.817	1399728	1359.326	ng/ml
18)	Aroclor 1232 (4)	7.031	629099	1486.697	ng/ml
19)	Aroclor 1232 (5)	7.077	718714	1510.952	ng/ml
20)	Aroclor 1232 (6)	7.202	756101	1522.712	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	811722	719.577	ng/ml
23)	Aroclor 1242 (2)	6.817	1399728	730.343	ng/ml
24)	Aroclor 1242 (3)	6.944	646777	714.640	ng/ml
25)	Aroclor 1242 (4)	7.031	629099	717.554	ng/ml
26)	Aroclor 1242 (5)	7.077	718714	726.387	ng/ml
27)	Aroclor 1242 (6)	7.202	756101	718.347	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	1173144	855.213	ng/ml
30)	Aroclor 1248 (2)	7.031	629099	346.377	ng/ml
31)	Aroclor 1248 (3)	7.077	718714	420.134	ng/ml
32)	Aroclor 1248 (4)	7.202	756101	365.806	ng/ml
33)	Aroclor 1248 (5)	7.567	876568	347.052	ng/ml
34)	Aroclor 1248 (6)	7.724	693916	298.882	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.550	613417	295.467	ng/ml
37)	Aroclor 1254 (2)	7.724	693916	208.076	ng/ml
38)	Aroclor 1254 (3)	8.037	284887	78.727	ng/ml
39)	Aroclor 1254 (4)	8.275	227291	86.349	ng/ml
40)	Aroclor 1254 (5)	8.609	61030	21.971	ng/ml
41)	Aroclor 1254 (6)	8.839	26294	32.482	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.172	26729	9.370	ng/ml
44)	Aroclor 1260 (2)	8.376	42230	12.296	ng/ml
45)	Aroclor 1260 (3)	8.609	61030	17.514	ng/ml
46)	Aroclor 1260 (4)	9.096	5437	1.039	ng/ml
47)	Aroclor 1260 (5)	9.358	7087	2.331	ng/ml
48)	Aroclor 1260 (6)	9.904	4230	3.557	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.376	42230	16.748	ng/ml
51)	Aroclor 1262 (2)	8.680	1871	0.519	ng/ml
52)	Aroclor 1262 (3)	8.839	26294	8.890	ng/ml
53)	Aroclor 1262 (4)	9.096	5437	0.906	ng/ml
54)	Aroclor 1262 (5)	9.358	7087	2.031	ng/ml
55)	Aroclor 1262 (6)	9.980	4442	2.852	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.901	2561	1.698	ng/ml
58)	Aroclor 1268 (2)	9.358	7087	1.099	ng/ml
59)	Aroclor 1268 (3)	9.422	3286	0.616	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

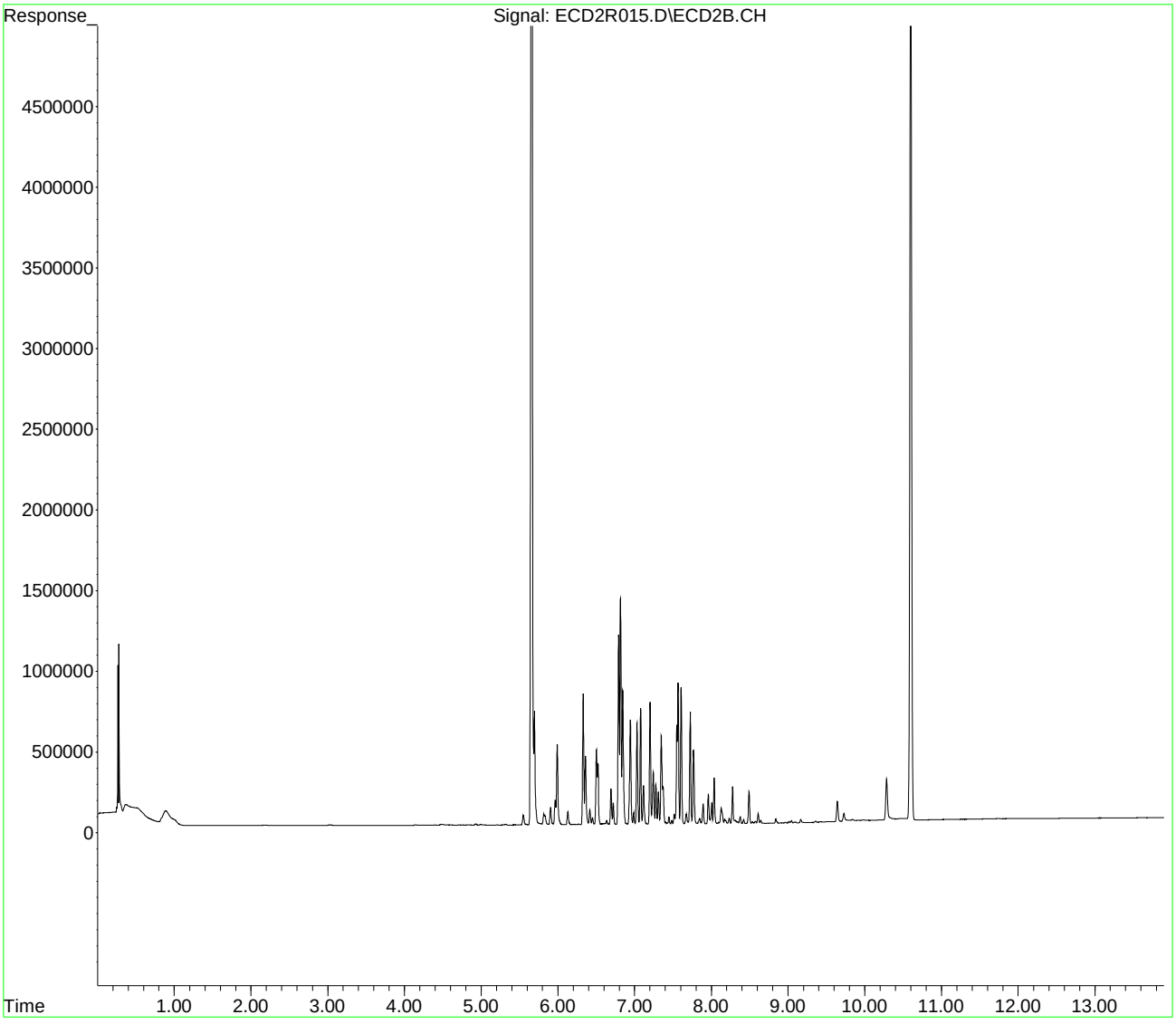
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	126304	28.077	ng/ml
61)	Aroclor 1268 (5)	9.980	4442	2.604	ng/ml
62)	Aroclor 1268 (6)	10.283	251955	21.709	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm JC 4/7/21
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	0.000	0	N.D.	ng/mld
64)	S DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	6.328	811722	719.577	ng/ml
23)	Aroclor 1242 (2)	6.817	1399728	730.343	ng/ml
24)	Aroclor 1242 (3)	6.944	646777	714.640	ng/ml
25)	Aroclor 1242 (4)	7.031	629099	717.554	ng/ml
26)	Aroclor 1242 (5)	7.077	718714	726.387	ng/ml
27)	Aroclor 1242 (6)	7.202	756101	718.347	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

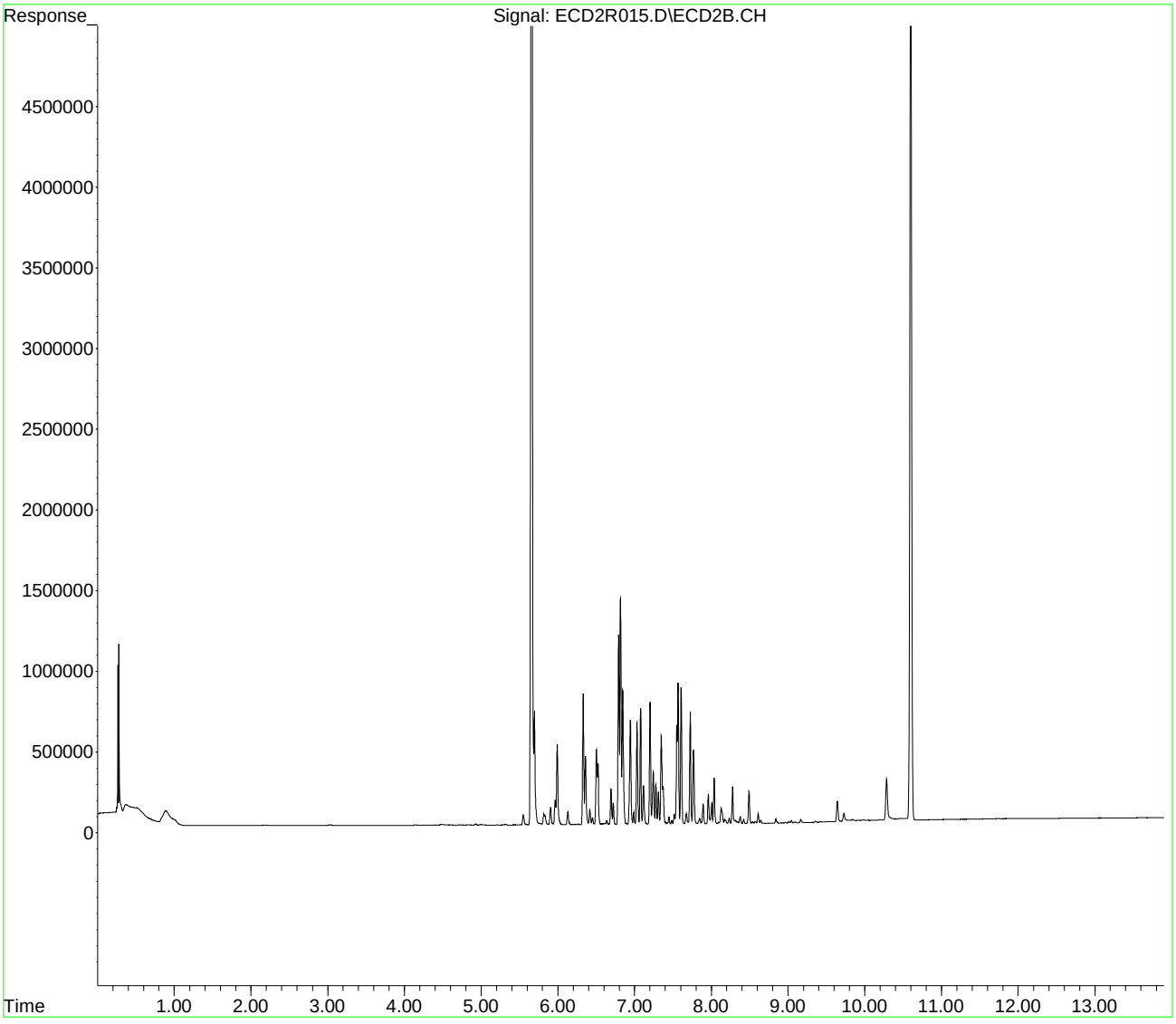
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 6:42 pm
Operator : MJB / KAK
Sample : 1D06062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:28:43 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:28:30 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.655	14375700	273.855	ng/ml
64) S	DCBP (S)	10.599	7206368	318.336	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.328	421059	256.761	ng/ml
3)	Aroclor 1016 (2)	6.816	777331	281.900	ng/ml
4)	Aroclor 1016 (3)	6.943	378458	298.406	ng/ml
5)	Aroclor 1016 (4)	7.032	1108779	823.080	ng/ml
6)	Aroclor 1016 (5)	7.077	1046684	700.431	ng/ml
7)	Aroclor 1016 (6)	7.202	1254576	855.532	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.831	8516	21.800	ng/ml
10)	Aroclor 1221 (2)	5.906	11607	29.848	ng/ml
11)	Aroclor 1221 (3)	5.992	69337	54.313	ng/ml
12)	Aroclor 1221 (4)	6.502	158910	620.251	ng/ml
13)	Aroclor 1221 (5)	6.816	777331	3873.237	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.992	69337	68.550	ng/ml
16)	Aroclor 1232 (2)	6.328	421059	694.099	ng/ml
17)	Aroclor 1232 (3)	6.816	777331	754.894	ng/ml
18)	Aroclor 1232 (4)	7.032	1108779	2620.281	ng/ml
19)	Aroclor 1232 (5)	7.077	1046684	2200.445	ng/ml
20)	Aroclor 1232 (6)	7.202	1254576	2526.592	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.328	421059	373.261	ng/ml
23)	Aroclor 1242 (2)	6.816	777331	405.592	ng/ml
24)	Aroclor 1242 (3)	6.943	378458	418.167	ng/ml
25)	Aroclor 1242 (4)	7.032	1108779	1264.679	ng/ml
26)	Aroclor 1242 (5)	7.077	1046684	1057.859	ng/ml
27)	Aroclor 1242 (6)	7.202	1254576	1191.933	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.790	822314	599.461	ng/ml
30)	Aroclor 1248 (2)	7.032	1108779	610.484	ng/ml
31)	Aroclor 1248 (3)	7.077	1046684	611.854	ng/ml
32)	Aroclor 1248 (4)	7.202	1254576	606.971	ng/ml
33)	Aroclor 1248 (5)	7.567	1582257	626.450	ng/ml
34)	Aroclor 1248 (6)	7.725	1416038	609.912	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.548	1140745	549.468	ng/ml
37)	Aroclor 1254 (2)	7.725	1416038	424.611	ng/ml
38)	Aroclor 1254 (3)	8.036	803235	221.971	ng/ml
39)	Aroclor 1254 (4)	8.275	552084	209.740	ng/ml
40)	Aroclor 1254 (5)	8.610	126149	45.413	ng/ml
41)	Aroclor 1254 (6)	8.840	48810	60.295	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	69051	24.206	ng/ml
44)	Aroclor 1260 (2)	8.376	85349	24.852	ng/ml
45)	Aroclor 1260 (3)	8.610	126149	36.201	ng/ml
46)	Aroclor 1260 (4)	9.097	24164	4.618	ng/ml
47)	Aroclor 1260 (5)	9.358	19042	6.263	ng/ml
48)	Aroclor 1260 (6)	9.929	7013	5.897	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.376	85349	33.849	ng/ml
51)	Aroclor 1262 (2)	8.680	10058	2.791	ng/ml
52)	Aroclor 1262 (3)	8.840	48810	16.503	ng/ml
53)	Aroclor 1262 (4)	9.097	24164	4.025	ng/ml
54)	Aroclor 1262 (5)	9.358	19042	5.457	ng/ml
55)	Aroclor 1262 (6)	9.929	7013	4.502	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.901	3392	2.250	ng/ml
58)	Aroclor 1268 (2)	9.358	19042	2.952	ng/ml
59)	Aroclor 1268 (3)	9.423	7269	1.364	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

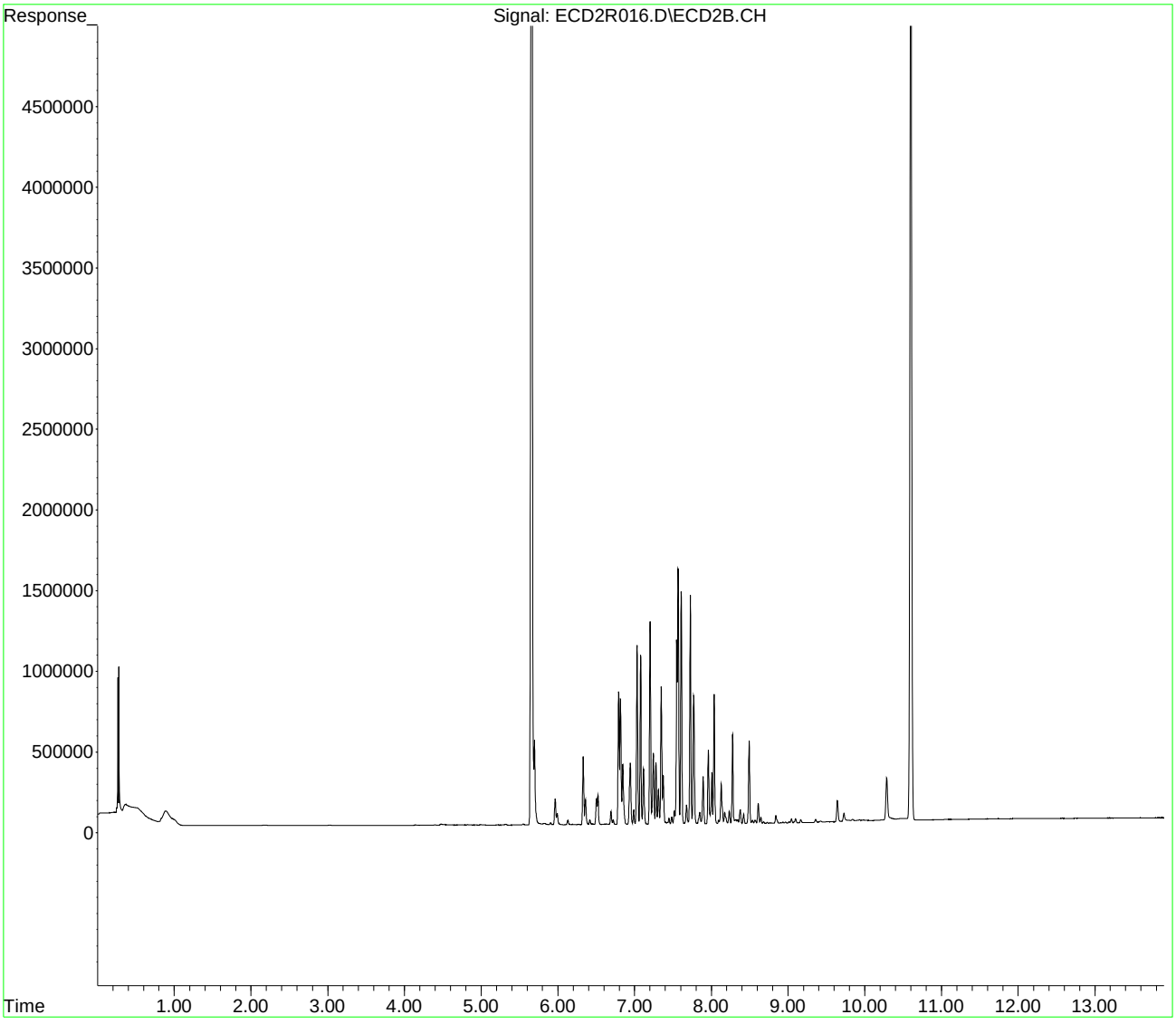
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	132020	29.348	ng/ml
61)	Aroclor 1268 (5)	9.929	7013	4.111	ng/ml
62)	Aroclor 1268 (6)	10.284	260750	22.467	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	6.790	822314	599.461	ng/ml
30)	Aroclor 1248 (2)	7.032	1108779	610.484	ng/ml
31)	Aroclor 1248 (3)	7.077	1046684	611.854	ng/ml
32)	Aroclor 1248 (4)	7.202	1254576	606.971	ng/ml
33)	Aroclor 1248 (5)	7.567	1582257	626.450	ng/ml
34)	Aroclor 1248 (6)	7.725	1416038	609.912	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

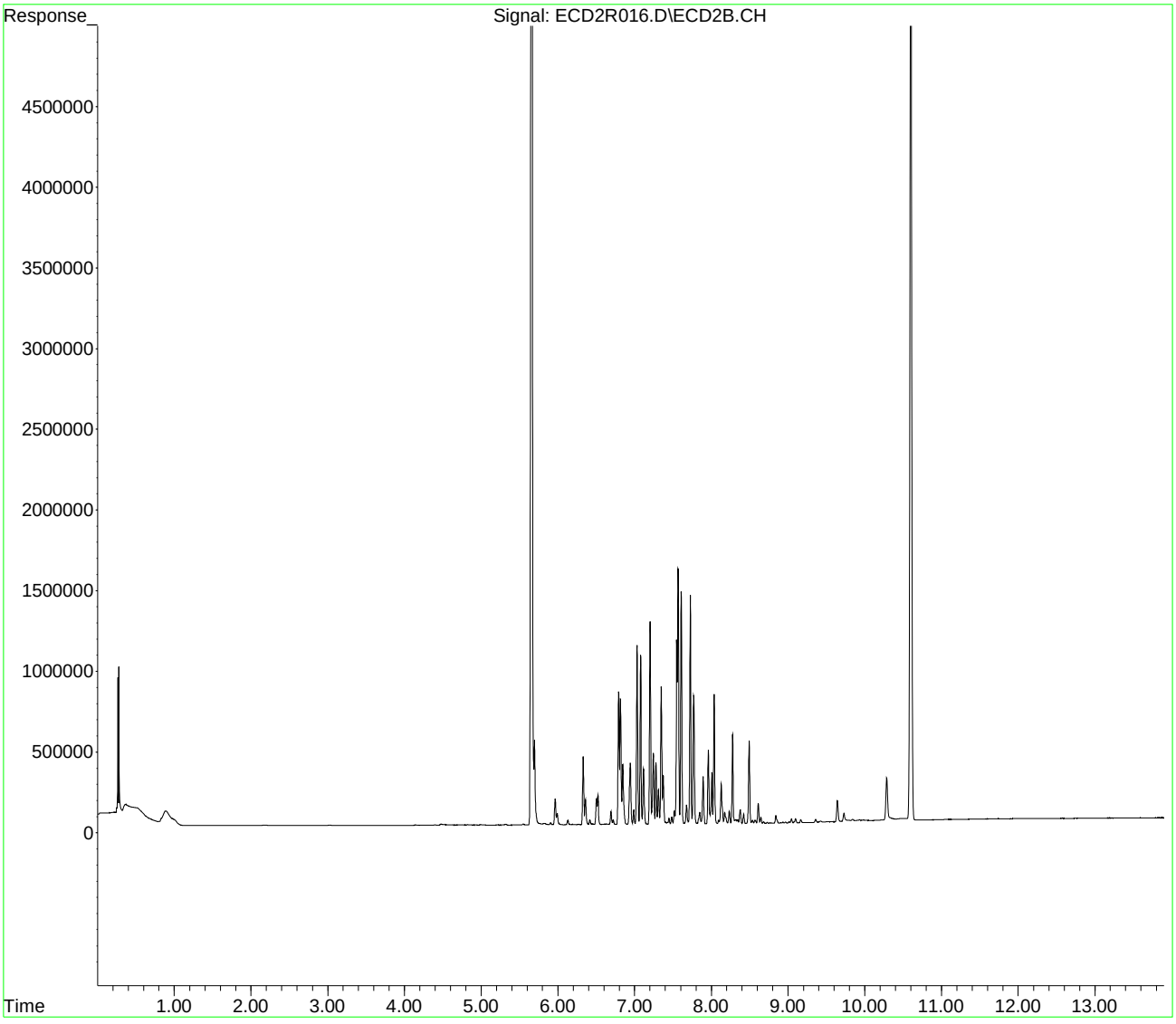
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:00 pm
Operator : MJB / KAK
Sample : 1D06062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:31:00 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:30:48 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.656	14074997	268.127	ng/ml
64)	S DCBP (S)	10.599	7181863	317.253	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	23540	14.355	ng/ml
3)	Aroclor 1016 (2)	6.815	36729	13.320	ng/ml
4)	Aroclor 1016 (3)	6.943	18897	14.900	ng/ml
5)	Aroclor 1016 (4)	7.033	903633	670.794	ng/ml
6)	Aroclor 1016 (5)	7.078	247496	165.622	ng/ml
7)	Aroclor 1016 (6)	7.202	494820	337.432	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.817	5523	14.139	ng/ml
10)	Aroclor 1221 (2)	5.906	3841	9.876	ng/ml
11)	Aroclor 1221 (3)	5.963	155690	121.954	ng/ml
12)	Aroclor 1221 (4)	6.502	13991	54.611	ng/ml
13)	Aroclor 1221 (5)	6.815	36729	183.010	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.963	155690	153.924	ng/ml
16)	Aroclor 1232 (2)	6.329	23540	38.804	ng/ml
17)	Aroclor 1232 (3)	6.815	36729	35.669	ng/ml
18)	Aroclor 1232 (4)	7.033	903633	2135.478	ng/ml
19)	Aroclor 1232 (5)	7.078	247496	520.311	ng/ml
20)	Aroclor 1232 (6)	7.202	494820	996.520	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	23540	20.868	ng/ml
23)	Aroclor 1242 (2)	6.815	36729	19.164	ng/ml
24)	Aroclor 1242 (3)	6.943	18897	20.880	ng/ml
25)	Aroclor 1242 (4)	7.033	903633	1030.689	ng/ml
26)	Aroclor 1242 (5)	7.078	247496	250.139	ng/ml
27)	Aroclor 1242 (6)	7.202	494820	470.113	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	45102	32.879	ng/ml
30)	Aroclor 1248 (2)	7.033	903633	497.532	ng/ml
31)	Aroclor 1248 (3)	7.078	247496	144.677	ng/ml
32)	Aroclor 1248 (4)	7.202	494820	239.397	ng/ml
33)	Aroclor 1248 (5)	7.568	840608	332.815	ng/ml
34)	Aroclor 1248 (6)	7.727	2601960	1120.710	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	1626523	783.455	ng/ml
37)	Aroclor 1254 (2)	7.727	2601960	780.219	ng/ml
38)	Aroclor 1254 (3)	8.037	2665459	736.589	ng/ml
39)	Aroclor 1254 (4)	8.276	2021967	768.155	ng/ml
40)	Aroclor 1254 (5)	8.610	2074017	746.646	ng/ml
41)	Aroclor 1254 (6)	8.841	598862	739.784	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	910559	319.205	ng/ml
44)	Aroclor 1260 (2)	8.380	1134067	330.216	ng/ml
45)	Aroclor 1260 (3)	8.610	2074017	595.184	ng/ml
46)	Aroclor 1260 (4)	9.097	250336	47.837	ng/ml
47)	Aroclor 1260 (5)	9.358	201531	66.288	ng/ml
48)	Aroclor 1260 (6)	9.929	11284	9.488	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	1134067	449.766	ng/ml
51)	Aroclor 1262 (2)	8.680	83461	23.155	ng/ml
52)	Aroclor 1262 (3)	8.841	598862	202.480	ng/ml
53)	Aroclor 1262 (4)	9.097	250336	41.700	ng/ml
54)	Aroclor 1262 (5)	9.358	201531	57.748	ng/ml
55)	Aroclor 1262 (6)	9.929	11284	7.244	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.901	12104	8.027	ng/ml
58)	Aroclor 1268 (2)	9.358	201531	31.240	ng/ml
59)	Aroclor 1268 (3)	9.424	12628	2.369	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

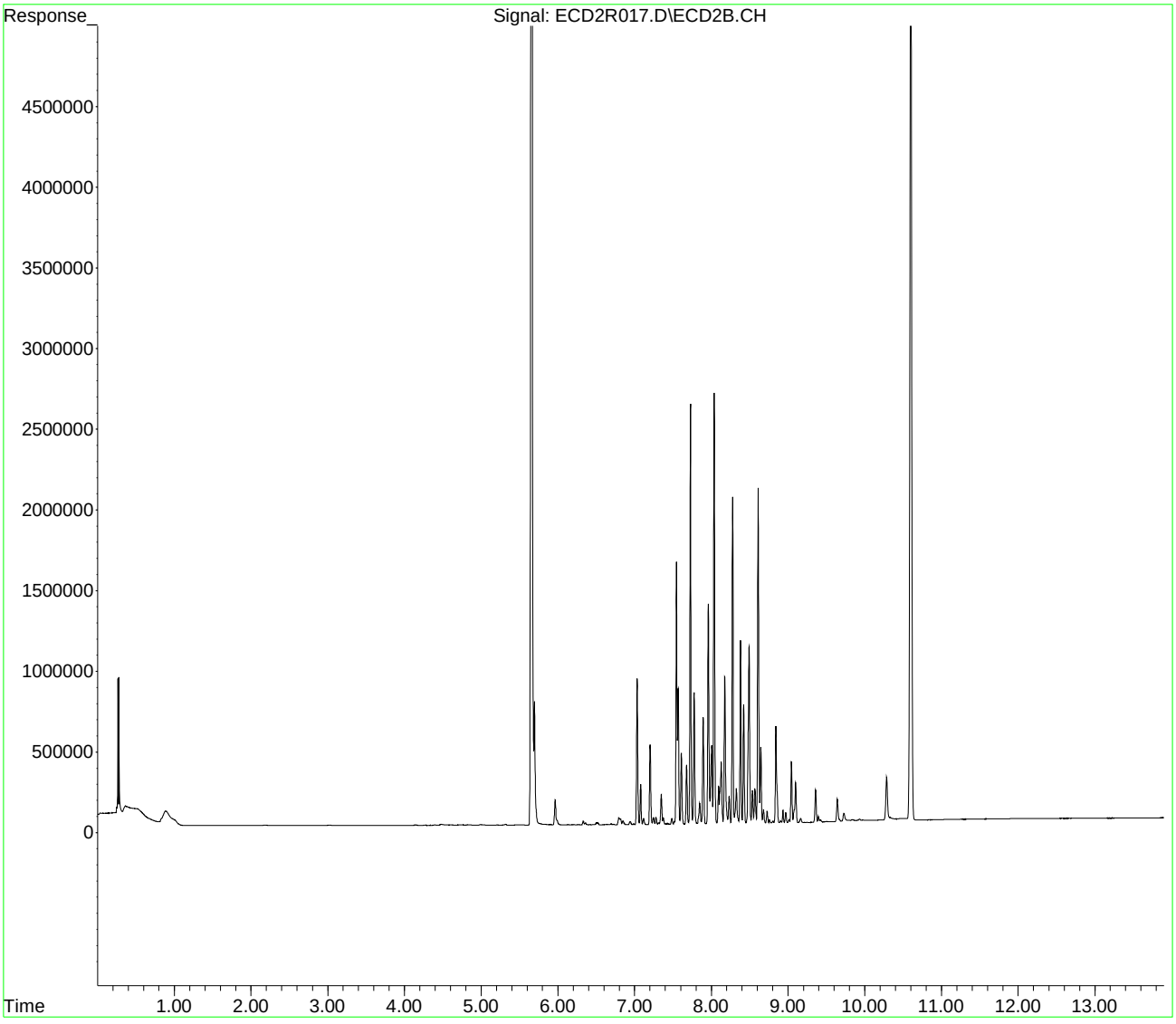
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	138636	30.818	ng/ml
61)	Aroclor 1268 (5)	9.929	11284	6.615	ng/ml
62)	Aroclor 1268 (6)	10.284	262522	22.620	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	7.545	1626523	783.455	ng/ml
37)	Aroclor 1254 (2)	7.727	2601960	780.219	ng/ml
38)	Aroclor 1254 (3)	8.037	2665459	736.589	ng/ml
39)	Aroclor 1254 (4)	8.276	2021967	768.155	ng/ml
40)	Aroclor 1254 (5)	8.610	2074017	746.646	ng/ml
41)	Aroclor 1254 (6)	8.841	598862	739.784	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

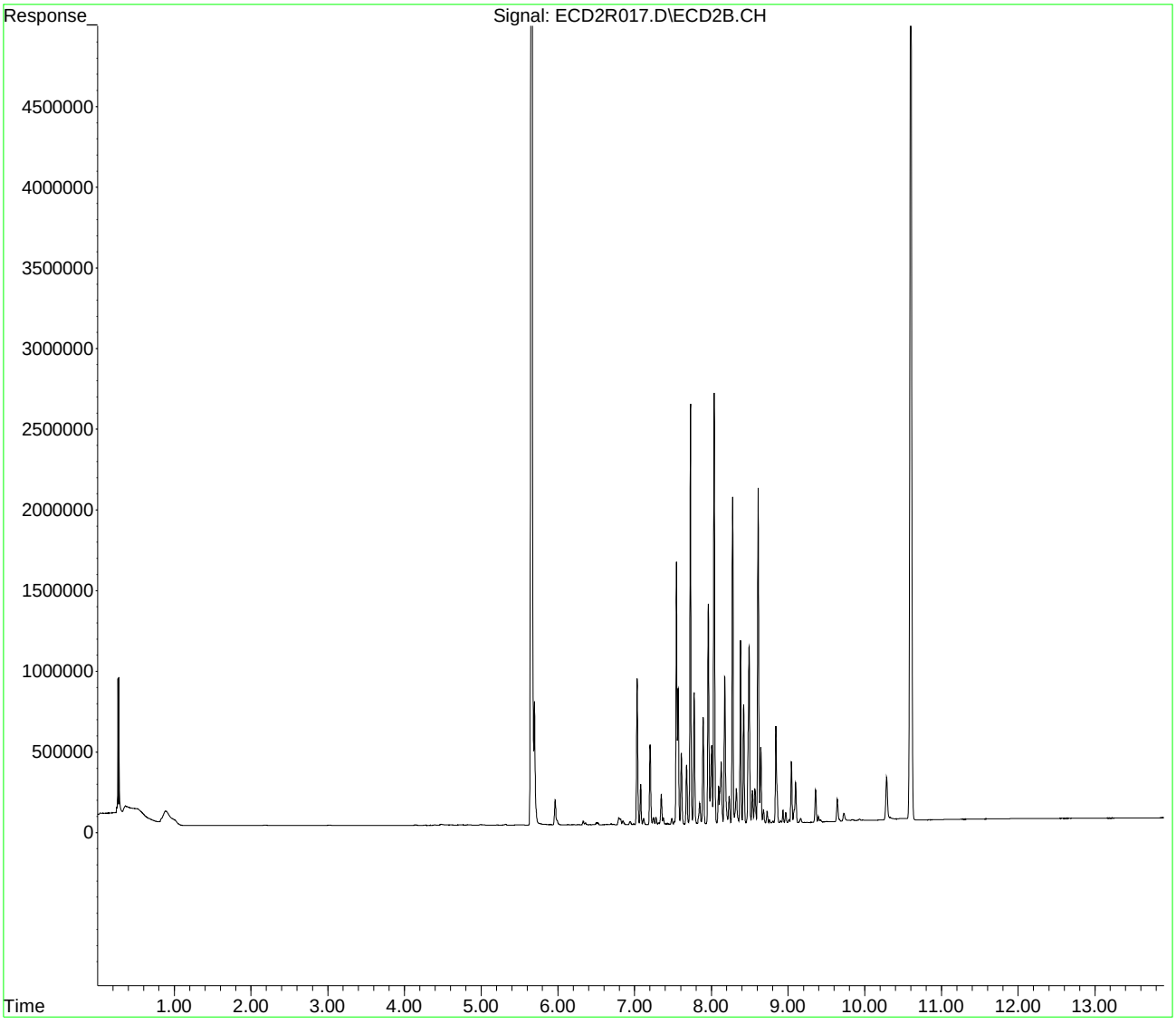
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:18 pm
Operator : MJB / KAK
Sample : 1D06062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:33:35 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:33:12 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.656	15274634	290.980	ng/ml
64)	S DCBP (S)	10.598	7638809	337.438	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	36257	22.109	ng/ml
3)	Aroclor 1016 (2)	6.817	53458	19.387	ng/ml
4)	Aroclor 1016 (3)	6.944	27862	21.968	ng/ml
5)	Aroclor 1016 (4)	7.032	46811	34.749	ng/ml
6)	Aroclor 1016 (5)	7.077	35118	23.501	ng/ml
7)	Aroclor 1016 (6)	7.202	38682	26.378	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.816	6248	15.995	ng/ml
10)	Aroclor 1221 (2)	5.906	5559	14.296	ng/ml
11)	Aroclor 1221 (3)	5.963	165880	129.937	ng/ml
12)	Aroclor 1221 (4)	6.502	24404	95.252	ng/ml
13)	Aroclor 1221 (5)	6.817	53458	266.368	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.963	165880	163.998	ng/ml
16)	Aroclor 1232 (2)	6.329	36257	59.768	ng/ml
17)	Aroclor 1232 (3)	6.817	53458	51.915	ng/ml
18)	Aroclor 1232 (4)	7.032	46811	110.625	ng/ml
19)	Aroclor 1232 (5)	7.077	35118	73.828	ng/ml
20)	Aroclor 1232 (6)	7.202	38682	77.901	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	36257	32.141	ng/ml
23)	Aroclor 1242 (2)	6.817	53458	27.893	ng/ml
24)	Aroclor 1242 (3)	6.944	27862	30.785	ng/ml
25)	Aroclor 1242 (4)	7.032	46811	53.393	ng/ml
26)	Aroclor 1242 (5)	7.077	35118	35.493	ng/ml
27)	Aroclor 1242 (6)	7.202	38682	36.750	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.791	47973	34.972	ng/ml
30)	Aroclor 1248 (2)	7.032	46811	25.774	ng/ml
31)	Aroclor 1248 (3)	7.077	35118	20.529	ng/ml
32)	Aroclor 1248 (4)	7.202	38682	18.714	ng/ml
33)	Aroclor 1248 (5)	7.545	258874	102.494	ng/ml
34)	Aroclor 1248 (6)	7.726	335027	144.302	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.545	258874	124.693	ng/ml
37)	Aroclor 1254 (2)	7.726	335027	100.460	ng/ml
38)	Aroclor 1254 (3)	8.037	138245	38.204	ng/ml
39)	Aroclor 1254 (4)	8.276	118264	44.929	ng/ml
40)	Aroclor 1254 (5)	8.612	1555486	559.974	ng/ml
41)	Aroclor 1254 (6)	8.828	512017	632.504	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	1673162	586.543	ng/ml
44)	Aroclor 1260 (2)	8.380	1982969	577.397	ng/ml
45)	Aroclor 1260 (3)	8.612	1555486	446.380	ng/ml
46)	Aroclor 1260 (4)	9.098	4753378	908.331	ng/ml
47)	Aroclor 1260 (5)	9.359	2873179	945.047	ng/ml
48)	Aroclor 1260 (6)	9.929	1267938	1066.173	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.380	1982969	786.438	ng/ml
51)	Aroclor 1262 (2)	8.680	2852720	791.448	ng/ml
52)	Aroclor 1262 (3)	8.859	2306552	779.864	ng/ml
53)	Aroclor 1262 (4)	9.098	4753378	791.805	ng/ml
54)	Aroclor 1262 (5)	9.359	2873179	823.301	ng/ml
55)	Aroclor 1262 (6)	9.929	1267938	813.987	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	306541	203.299	ng/ml
58)	Aroclor 1268 (2)	9.359	2873179	445.376	ng/ml
59)	Aroclor 1268 (3)	9.424	1533389	287.666	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

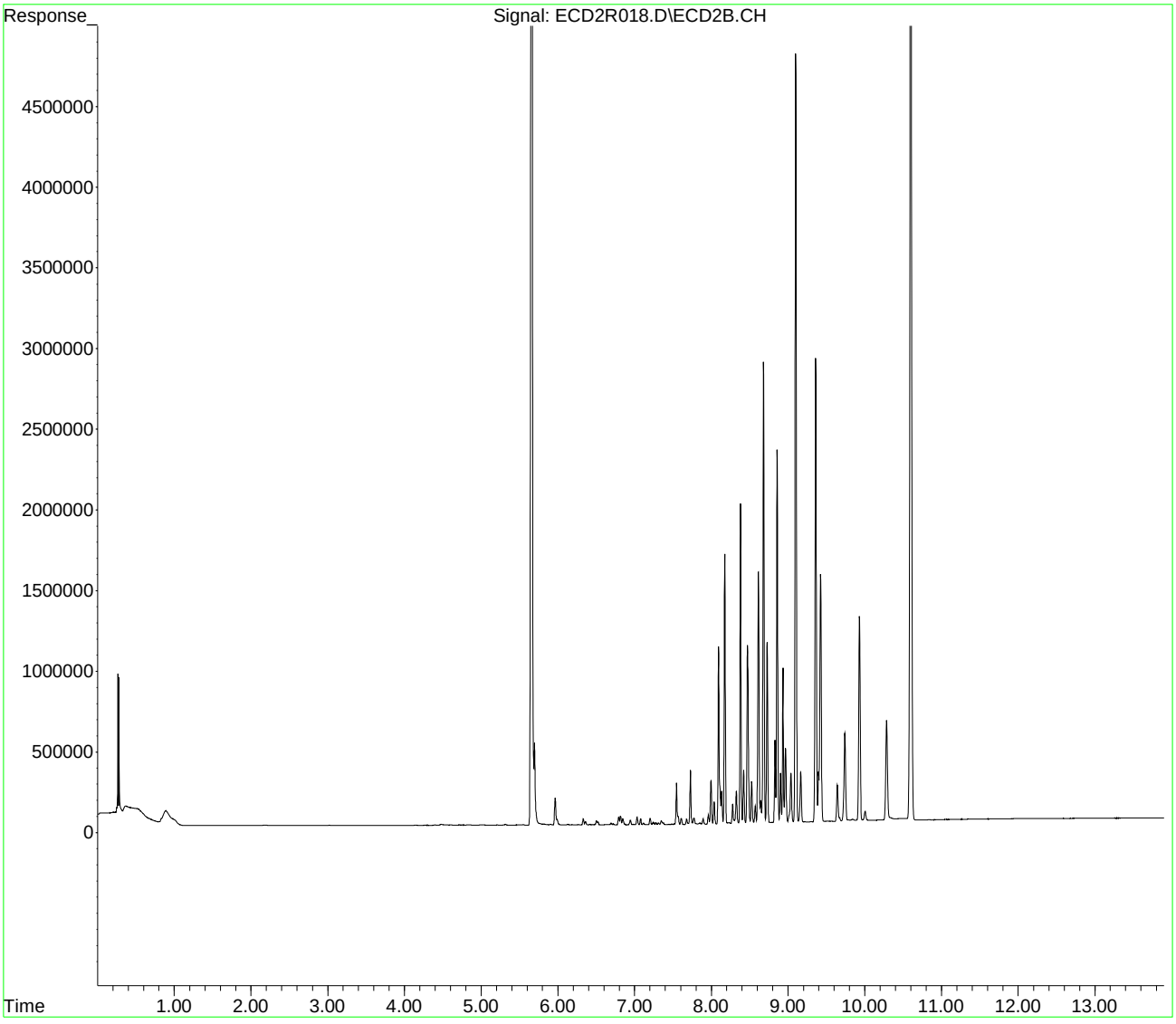
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.641	226312	50.308	ng/ml
61)	Aroclor 1268 (5)	9.929	1267938	743.276	ng/ml
62)	Aroclor 1268 (6)	10.283	615419	53.026	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	8.380	1982969	786.438	ng/ml
51)	Aroclor 1262 (2)	8.680	2852720	791.448	ng/ml
52)	Aroclor 1262 (3)	8.859	2306552	779.864	ng/ml
53)	Aroclor 1262 (4)	9.098	4753378	791.805	ng/ml
54)	Aroclor 1262 (5)	9.359	2873179	823.301	ng/ml
55)	Aroclor 1262 (6)	9.929	1267938	813.987	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

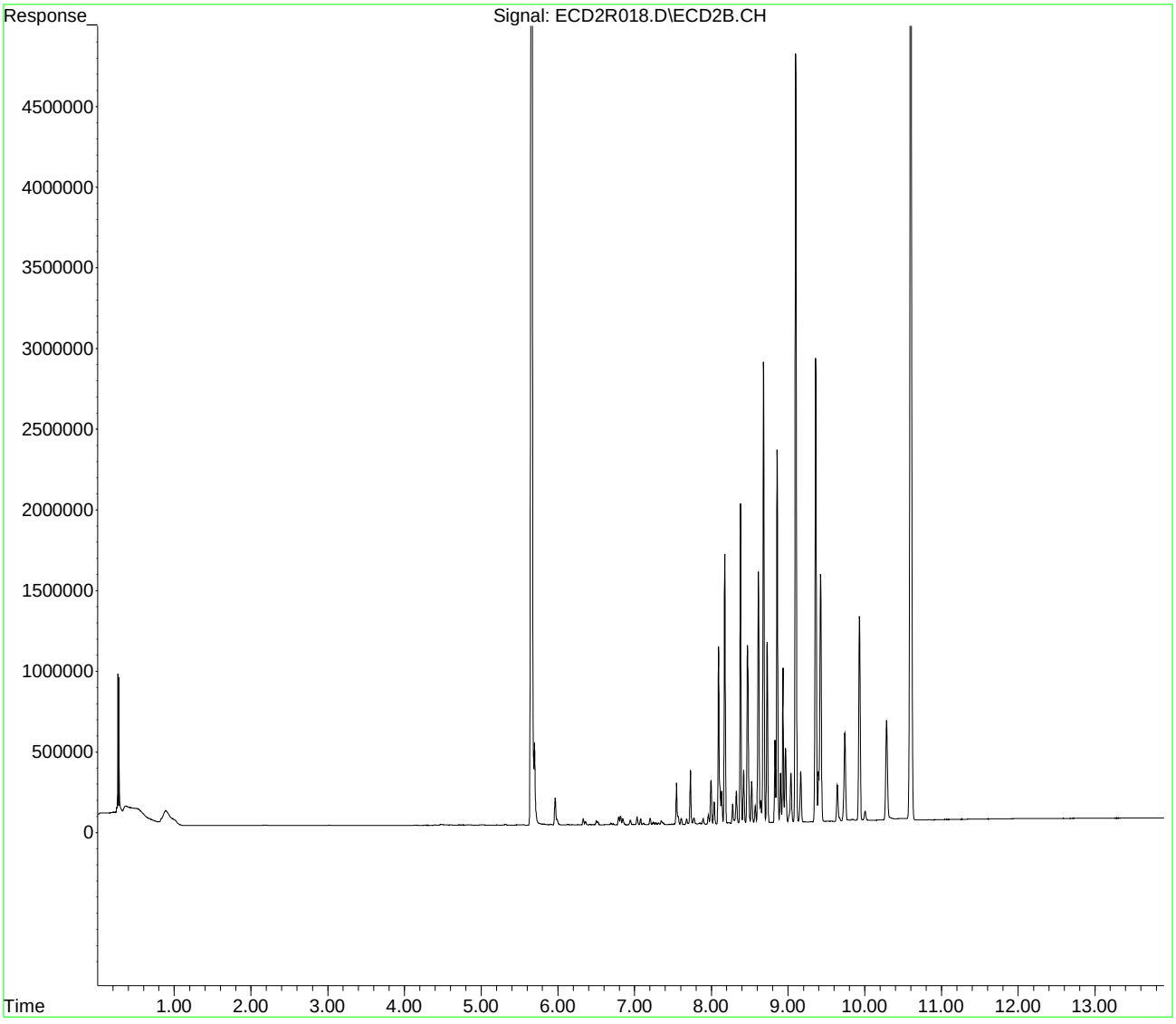
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:35 pm
Operator : MJB / KAK
Sample : 1D06062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:37:14 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:37:00 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.656	14641602	278.920	ng/ml
64) S	DCBP (S)	10.600	8681997	383.520	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.329	8865	5.406	ng/ml
3)	Aroclor 1016 (2)	6.818	18099	6.563	ng/ml
4)	Aroclor 1016 (3)	6.944	9520	7.506	ng/ml
5)	Aroclor 1016 (4)	7.032	15173	11.263	ng/ml
6)	Aroclor 1016 (5)	7.077	16638	11.134	ng/ml
7)	Aroclor 1016 (6)	7.202	18051	12.309	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.812	5142	13.163	ng/ml
10)	Aroclor 1221 (2)	5.905	2250	5.786	ng/ml
11)	Aroclor 1221 (3)	5.963	162472	127.267	ng/ml
12)	Aroclor 1221 (4)	6.502	6312	24.637	ng/ml
13)	Aroclor 1221 (5)	6.818	18099	90.180	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.963	162472	160.629	ng/ml
16)	Aroclor 1232 (2)	6.329	8865	14.614	ng/ml
17)	Aroclor 1232 (3)	6.818	18099	17.576	ng/ml
18)	Aroclor 1232 (4)	7.032	15173	35.857	ng/ml
19)	Aroclor 1232 (5)	7.077	16638	34.979	ng/ml
20)	Aroclor 1232 (6)	7.202	18051	36.353	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.329	8865	7.859	ng/ml
23)	Aroclor 1242 (2)	6.818	18099	9.443	ng/ml
24)	Aroclor 1242 (3)	6.944	9520	10.518	ng/ml
25)	Aroclor 1242 (4)	7.032	15173	17.306	ng/ml
26)	Aroclor 1242 (5)	7.077	16638	16.816	ng/ml
27)	Aroclor 1242 (6)	7.202	18051	17.150	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.792	19084	13.912	ng/ml
30)	Aroclor 1248 (2)	7.032	15173	8.354	ng/ml
31)	Aroclor 1248 (3)	7.077	16638	9.726	ng/ml
32)	Aroclor 1248 (4)	7.202	18051	8.733	ng/ml
33)	Aroclor 1248 (5)	7.568	27985	11.080	ng/ml
34)	Aroclor 1248 (6)	7.724	32268	13.899	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.549	18889	9.098	ng/ml
37)	Aroclor 1254 (2)	7.724	32268	9.676	ng/ml
38)	Aroclor 1254 (3)	8.036	14450	3.993	ng/ml
39)	Aroclor 1254 (4)	8.278	18867	7.168	ng/ml
40)	Aroclor 1254 (5)	8.616	34058	12.261	ng/ml
41)	Aroclor 1254 (6)	8.829	42876	52.966	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.173	7689	2.695	ng/ml
44)	Aroclor 1260 (2)	8.379	20851	6.071	ng/ml
45)	Aroclor 1260 (3)	8.616	34058	9.774	ng/ml
46)	Aroclor 1260 (4)	9.098	471908	90.178	ng/ml
47)	Aroclor 1260 (5)	9.361	5117313	1683.189	ng/ml
48)	Aroclor 1260 (6)	9.931	1279507	1075.901	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.379	20851	8.269	ng/ml
51)	Aroclor 1262 (2)	8.682	955352	265.049	ng/ml
52)	Aroclor 1262 (3)	8.859	73411	24.821	ng/ml
53)	Aroclor 1262 (4)	9.098	471908	78.609	ng/ml
54)	Aroclor 1262 (5)	9.361	5117313	1466.351	ng/ml
55)	Aroclor 1262 (6)	9.931	1279507	821.414	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.900	1134089	752.130	ng/ml
58)	Aroclor 1268 (2)	9.361	5117313	793.243	ng/ml
59)	Aroclor 1268 (3)	9.427	4044202	758.699	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

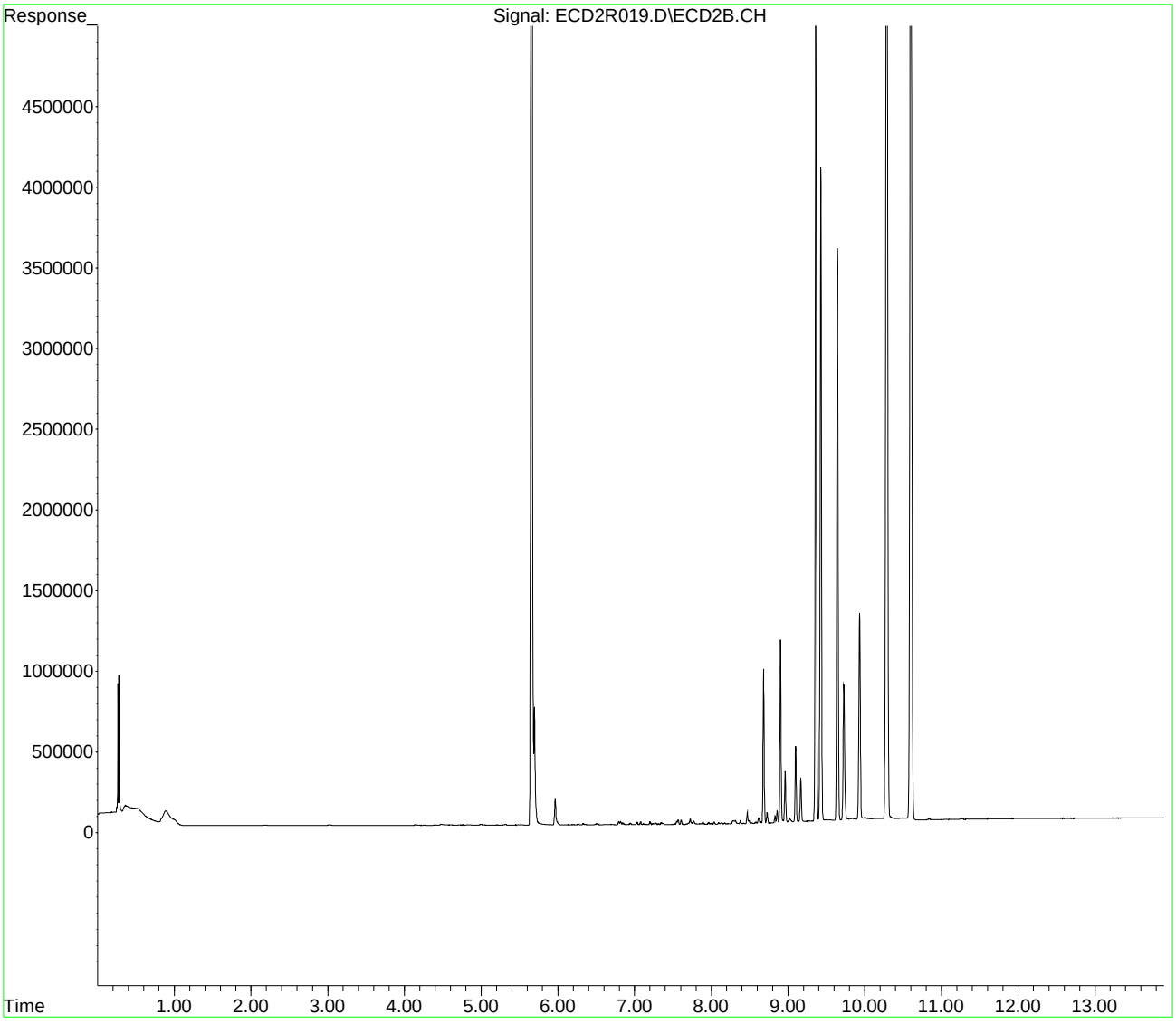
	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	3545972	788.257	ng/ml
61)	Aroclor 1268 (5)	9.931	1279507	750.058	ng/ml
62)	Aroclor 1268 (6)	10.285	9174749	790.518	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

JC 4/7/21

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	8.900	1134089	752.130	ng/ml
58)	Aroclor 1268 (2)	9.361	5117313	793.243	ng/ml
59)	Aroclor 1268 (3)	9.427	4044202	758.699	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
60)	Aroclor 1268 (4)	9.642	3545972	788.257	ng/ml
61)	Aroclor 1268 (5)	9.931	1279507	750.058	ng/ml
62)	Aroclor 1268 (6)	10.285	9174749	790.518	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\1D06062\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 06 Apr 2021 7:53 pm
Operator : MJB / KAK
Sample : 1D06062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 07 10:39:12 2021
Quant Method : L:\Methods\RECD2_QUANTPCB_210406.M
Quant Title : PCB Data Analysis
QLast Update : Wed Apr 07 10:39:05 2021
Response via : Initial Calibration
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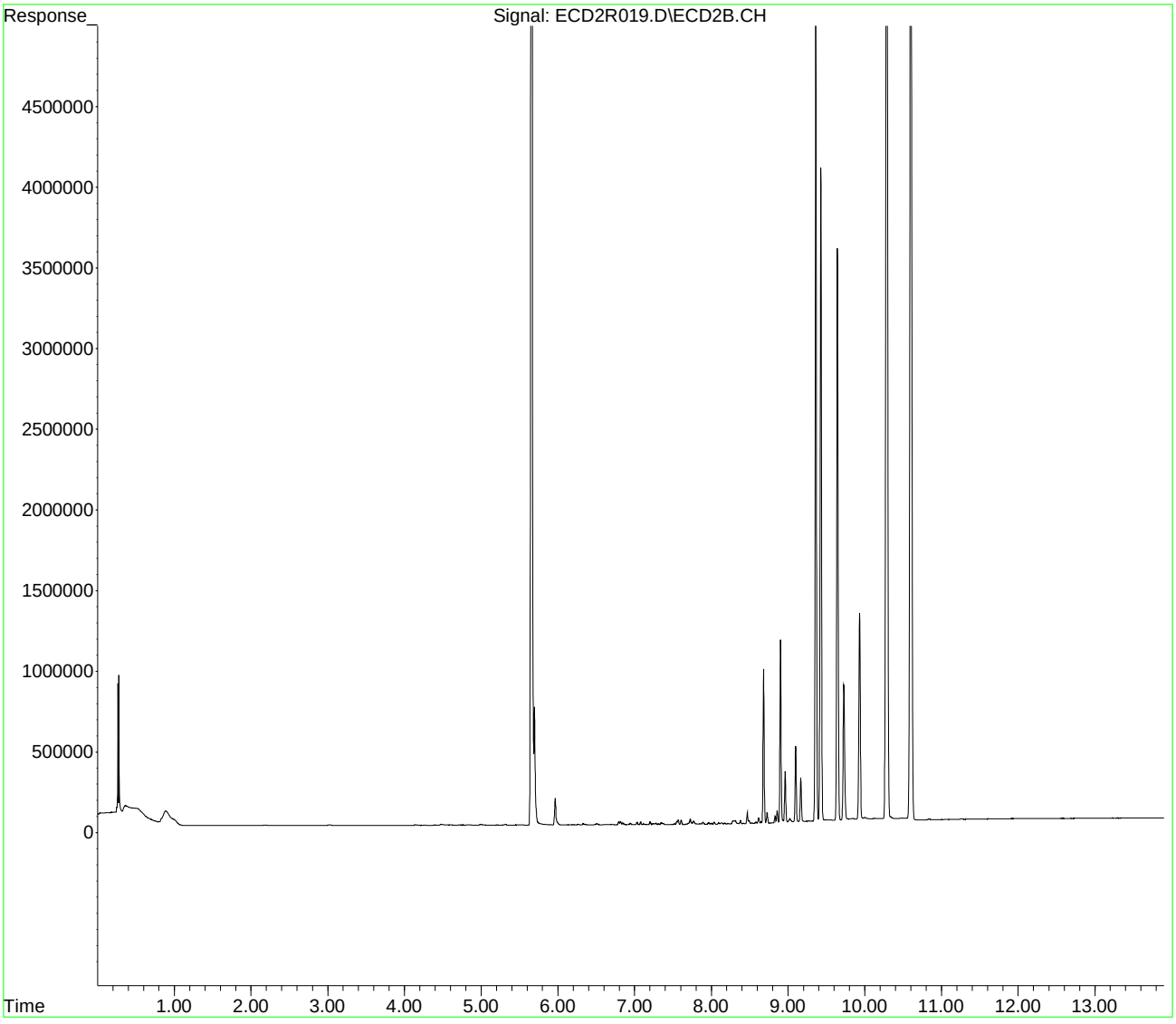


APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Organochlorine Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 1050274
Sequence 1E10032 (A1E0219-01)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050274 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050274-BLK1		QC	05/10/21 07:27	1100	5				100					
	1050274-BSD1		QC	05/10/21 07:27	1000	5	A21E012		100	100					
	1050274-BS1		QC	05/10/21 07:27	1000	5	A21E012		100	100					
	A1E0219-01	H	8081B 2,4+4,4-DDx Only (+Add)	05/10/21 07:27	1020	5				100	SC-FB-2105030940				
	A1E0219-02	H	8081B 2,4+4,4-DDx Only (+Add)	05/10/21 07:27	1070	5				100	SC-RB-2105030901				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A21A018	01/04/23	Conc. HCl - Omnitrace
A21A347	07/25/21	DCM lot # 207252
A21C112	09/06/21	Sodium Sulfate Lot # 204081
A21C176	09/12/22	n-Hexane Lot# 207249

Analyte Spike(s)

Std ID	Exp. Date	Description
A21E012	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A21D309	09/26/21	8082 PCB Surrogate Spike

3x Rinse:

Witness:_____

Bottle Check:_____

Prepared By: Date

Reviewed By: Date

MJB 5/12/21

Analyst Review: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050274 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050274-BLK1		QC	05/10/21 07:27	~~1000~~ 1100	5				100				7	
	1050274-BSD1		QC	05/10/21 07:27	1000	5	A21E012		100	100				7	
	1050274-BS1		QC	05/10/21 07:27	1000	5	A21E012		100	100				7	
	A1E0219-01	G H	8081B 2,4+4,4-DDx Only (+Add)	05/10/21 07:27	~~1000~~ 1020	5				100	SC-FB-2105030940			7	
	A1E0219-02	G H	8081B 2,4+4,4-DDx Only (+Add)	05/10/21 07:27	1000 1070	5				100	SC-RB-2105030901			7	

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A21A018	01/04/23	Conc. HCl - Omnitrace
A21A347	07/25/21	DCM lot # 207252
A21C112	09/06/21	Sodium Sulfate Lot # 204081
A21C176	09/12/22	n-Hexane Lot# 207249 -SCL 05/10/21

Analyte Spike(s)

Std ID	Exp. Date	Description
A21E012	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike

JAG

Surrogate(s) JAG 5/10/21

Std ID	Exp. Date	Description
~~A21D244~~	~~10/13/21~~	~~PAH Soil and Water Surr. (50ppm)~~
A21D309	9/26/21	8082 PCB Surrogate Spike

JAG

3x Rinse: ✓

Witness: MEB 5/10/21

Bottle Check: MEB 5/10/21

Note = 2mL aliquot of all samples exchanged in hexane and vialed at 2mL.

JAG	5/10/21	MJB	5/12/21		5/11/21
Prepared By:	Date	Reviewed By:	Date	Analyst Review:	Date
SCL	05/10/2021				

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1E10032	Instrument:	DUALECD8
Date:	**05/10/21 06:20**	Calibration:	**A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E10032-BKD1	Water	QC	QC				A21C007
2	1E10032-CCV1	Water	QC	QC				A21B423
3	1E10032-CCV2	Water	QC	QC				A21C331
4	1E10032-CCB1	Water	QC	QC				A21E029
5	1E10032-BKD2	Water	QC	QC				A21C007
6	1E10032-CCV3	Water	QC	QC				A21B423
7	1E10032-CCV4	Water	QC	QC				A21C331
8	1E10032-BKD3	Water	QC	QC				A21C007
9	1E10032-CCV5	Water	QC	QC				A21B423
10	1E10032-CCV6	Water	QC	QC				A21C331
11	1E10032-CCB2	Water	QC	QC				A21E029
12	1050253-BLK1	Soil	QC	QC		1050253		
13	1050253-BS1	Soil	QC	QC		1050253		
14	1050253-BS2	Soil	QC	QC		1050253		
15	A1D0465-06RE3	Soil	8081B Pesticides + Add		05/05/21	1050253		
16	1050253-DUP1	Soil	QC	QC		1050253		
17	1050253-MS1	Soil	QC	QC		1050253		
18	1050253-MS2	Soil	QC	QC		1050253		
19	1E10032-CCV7	Water	QC	QC				A21B424
20	1E10032-CCV8	Water	QC	QC				A21C332
21	1E10032-CCB3	Water	QC	QC				A21E029
22	1050260-BLK1	Soil	QC	QC		1050260		
23	1050260-BS1	Soil	QC	QC		1050260		
24	A1E0059-02RE1	Soil	8081B Pesticides		05/12/21	1050260		
25	1050260-DUP1	Soil	QC	QC		1050260		
26	A1E0059-04RE1	Soil	8081B Pesticides		05/12/21	1050260		
27	1050260-MS1	Soil	QC	QC		1050260		
28	1E10032-CCV9	Water	QC	QC				A21B423
29	1E10032-CCVA	Water	QC	QC				A21C331
30	1E10032-CCB4	Water	QC	QC				A21E029
31	1050274-BLK1	Water	QC	QC		1050274		
32	1050274-BS1	Water	QC	QC		1050274		
33	1050274-BSD1	Water	QC	QC		1050274		
34	A1E0219-01	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/17/21	1050274		
35	A1E0219-02	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/17/21	1050274		
36	1E10032-CCVB	Water	QC	QC				A21B424
37	1E10032-CCVC	Water	QC	QC				A21C332
38	1E10032-CCB5	Water	QC	QC				A21E029
39	1E10032-IBL1	Water	QC	QC				

Standard	Description:	Expires:
A21B423	8081 Mix ABPesticide 50 ppb Calibration (Level 6)	8/22/2021
A21B424	8081 Mix ABPesticide 100 ppb Calibration (Level 7)	8/22/2021
A21C007	8081 Breakdown Check	5/17/2021
A21C331	8081 9-42 Pest 50 ppb Calibration (Level 6)	9/25/2021
A21C332	8081 9-42 Pest 100 ppb Calibration (Level 7)	9/25/2021
A21E029	8082 Instrument Blank	10/22/2021

Sequence:	1E10032	Instrument:	DUALECD8
Date:	**05/10/21 06:20**	Calibration:	**A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID

Data Entered By/Date: KAK 5/11/21 Comments: Complete

Data Reviewed By/Date: MKZ 511/2021

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1E10032**	Instrument:	**DUALECD8**
Date:	**05/10/21 06:20**	Calibration:	**A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E10032-BKD1	Water	QC	QC				A21C007
2	1E10032-CCV1	Water	QC	QC				A21B423
3	1E10032-CCV2	Water	QC	QC				A21C331
4	1E10032-CCB1	Water	QC	QC				A21E029
5	1E10032-BKD2	Water	QC	QC				A21C007
6	1E10032-CCV3	Water	QC	QC				A21B423
7	1E10032-CCV4	Water	QC	QC				A21C331
8	1E10032-BKD3	Water	QC	QC				A21C007
9	1E10032-CCV5	Water	QC	QC				A21B423
10	1E10032-CCV6	Water	QC	QC				A21C331
11	1E10032-CCB2	Water	QC	QC				A21E029
12	1050253-BLK1	Soil	QC	QC		1050253		
13	1050253-BS1	Soil	QC	QC		1050253		
14	1050253-BS2	Soil	QC	QC		1050253		
15	A1D0465-06RE3	Soil	8081B Pesticides + Add		05/05/21	1050253		
16	1050253-DUP1	Soil	QC	QC		1050253		
17	1050253-MS1	Soil	QC	QC		1050253		
18	1050253-MS2	Soil	QC	QC		1050253		
19	1E10032-CCV7	Water	QC	QC				A21B424
20	1E10032-CCV8	Water	QC	QC				A21C332
21	1E10032-CCB3	Water	QC	QC				A21E029

PARTIAL

Standard	Description:	Expires:
A21B423	8081 Mix ABPesticide 50 ppb Calibration (Level 6)	8/22/2021
A21B424	8081 Mix ABPesticide 100 ppb Calibration (Level 7)	8/22/2021
A21C007	8081 Breakdown Check	5/17/2021
A21C331	8081 9-42 Pest 50 ppb Calibration (Level 6)	9/25/2021
A21C332	8081 9-42 Pest 100 ppb Calibration (Level 7)	9/25/2021
A21E029	8082 Instrument Blank	10/22/2021

Data Entered By/Date: MJB 5/10/21

Data Reviewed By/Date: MKZ 5/10/2021

Comments: Hexachlorobenzene is being reported with a Q-31 qualifier.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:13
Operator : MJB
Sample : 1E10032-BKD1
Misc : A21C007
ALS Vial : 2 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:42:52 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222RTD.M
Quant Title : Pesticides
QLast Update : Mon May 10 14:42:49 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.699	25214794	NoCal	ng/mL
2)	Endrin	8.084	1273809396	NoCal	ng/mL
3)	4,4'-DDD	8.127	113176103	NoCal	ng/mL
4)	4,4'-DDT	8.323	2470827509	NoCal	ng/mL
5)	Endrin Aldehyde	8.542	67132933	NoCal	ng/mL
6)	Endrin Ketone	9.047	104630377	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.144	18343800	NoCal	ng/mL
9)	Endrin [2C]	8.501	1225729612	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.555	98748552	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.883	70212967	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.779	2433606753	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.463	97174254	NoCal	ng/mL

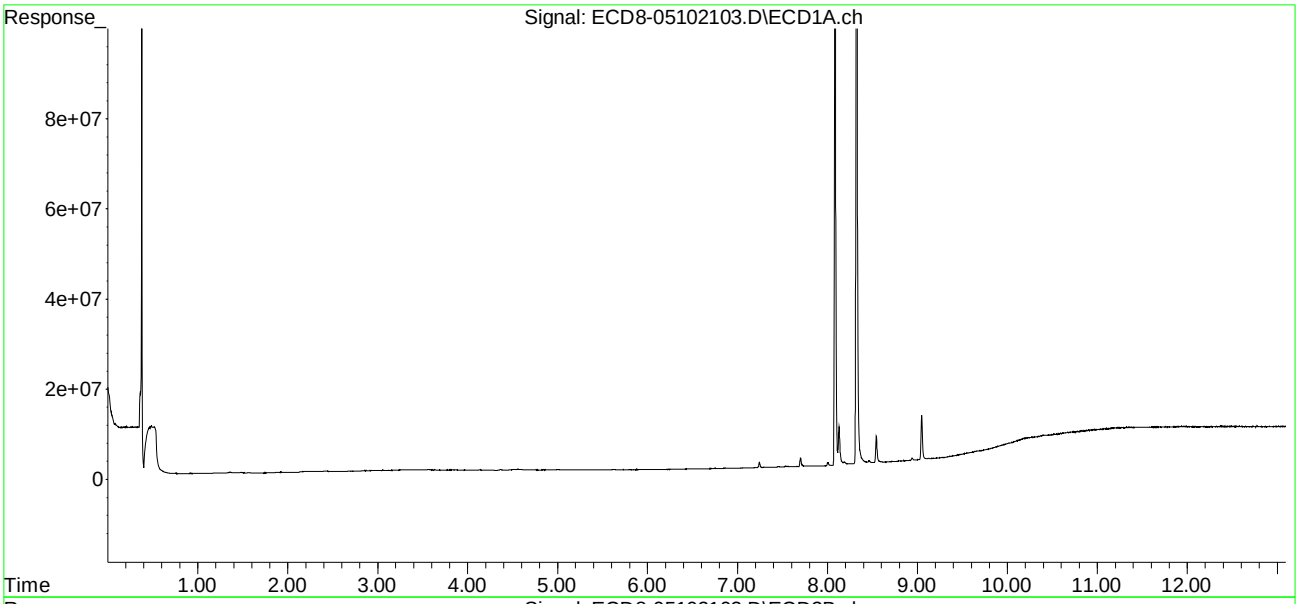
(f)=RT Delta > 1/2 Window (m)=manual int.

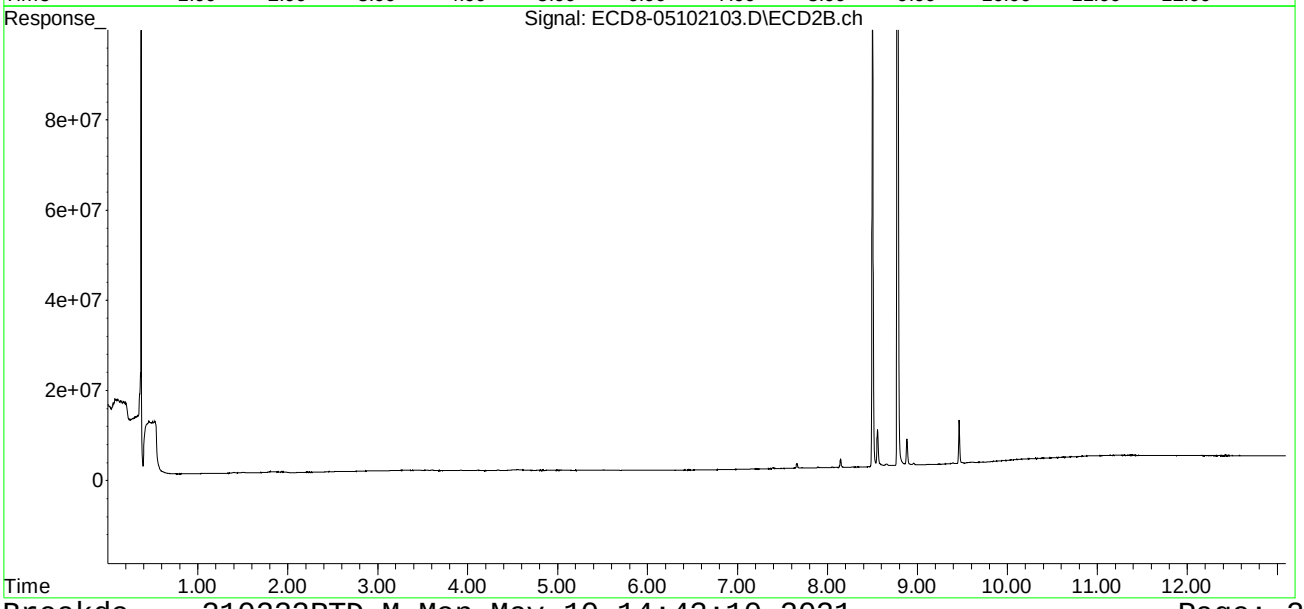
CCV failed. Maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:13
Operator : MJB
Sample : 1E10032-BKD1
Misc : A21C007
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:42:52 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222RTD.M
Quant Title : Pesticides
QLast Update : Mon May 10 14:42:49 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:52
Operator : MJB
Sample : 1E10032-CCV1
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:46:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.501	5.812	157.2E6	181.9E6	49.042	53.429	
22) S	DCBP (S)	9.734	10.312f	106.8E6	100.6E6	54.187	58.051	
	Target Compounds							
2)	a-BHC	6.051	6.403	213.3E6	252.9E6	50.120	55.801	
3)	g-BHC	6.339	6.718	182.0E6	221.6E6	50.151	56.742	
4)	b-BHC	6.424	6.788	72671058	89254593	46.465	52.979	
5)	Heptachlor	6.742	7.094	182.2E6	202.1E6	53.126	54.809	
6)	d-BHC	6.575	7.034	168.8E6	213.9E6	49.991	54.565	
7)	Aldrin	6.984	7.355	178.9E6	198.4E6	52.052	56.396	
8)	Heptachlo...	7.452	7.789	164.0E6	182.0E6	52.006	55.003	
9)	trans-Chl...	7.546	7.929	165.7E6	179.1E6	51.430	53.135	
10)	cis-Chlor...	7.644	8.036	163.7E6	176.8E6	51.940	54.545	
11)	Endosulfa...	7.745	8.082	147.6E6	165.2E6	50.906	54.876	
12)	4,4'-DDE	7.700	8.144	162.7E6	181.2E6	47.247	51.553	
13)	Dieldrin	7.919	8.281	170.2E6	185.3E6	53.672	56.346	
14)	Endrin	8.088	8.502f	143.1E6	147.9E6	55.326	55.740	
15)	4,4'-DDD	8.129	8.556f	136.9E6	151.0E6	50.574	53.431	
16)	Endosulfa...	8.249	8.649f	132.1E6	142.4E6	52.484	53.312	
17)	4,4'-DDT	8.326	8.781f	129.8E6	142.2E6	52.933	55.403	
18)	Endrin Al...	8.546	8.884f	116.4E6	124.7E6	53.055	50.743	
19)	Endosulfa...	8.852	9.078f	122.5E6	136.5E6	48.959	51.163	
20)	Methoxychlor	8.665	9.250f	62704716	67913332	50.123	51.617	
21)	Endrin Ke...	9.052	9.465f	158.0E6	166.7E6	53.032	57.258	
23)	Hexachlor...	3.279	3.541	109827	115088	0.032	0.029	
24)	Hexachlor...	5.887	6.298	241663	22351	0.074	0.006	#
25)	Oxychlordane	7.369	7.740	10386	12577	0.004	0.004	
26)	2,4'-DDE	7.452	7.929	164.0E6	179.1E6	73.386	77.061	
27)	trans-Non...	7.644f	8.036	163.7E6	176.8E6	51.512	52.584	
28)	2,4'-DDD	0.000	8.281f	0	185.3E6	N.D.	91.108	#
29)	2,4'-DDT	8.007	8.556	509563	151.0E6	0.253	71.742	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:52
Operator : MJB
Sample : 1E10032-CCV1
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:46:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

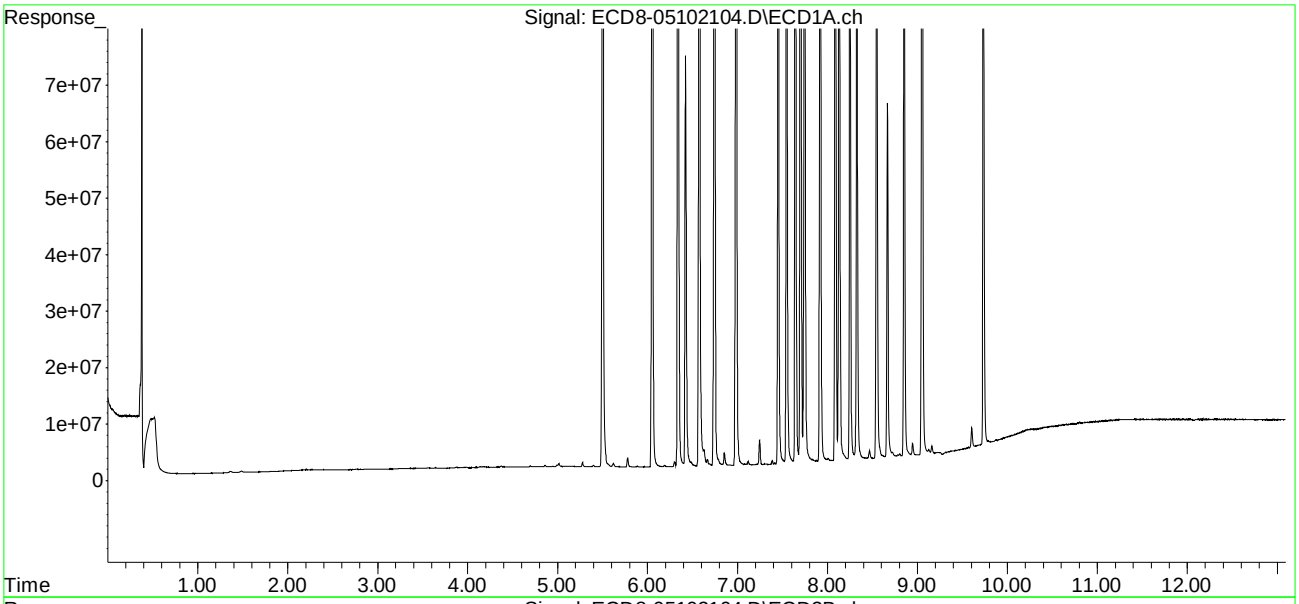
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.556f	143.1E6	151.0E6	42.653	42.062	
31)	Mirex	8.782	9.465f	403297	166.7E6	0.026	83.305	#
32)	Chlordane...	7.546f	7.996	165.7E6	562943	473.648	1.395	#
33)	Chlordane...	7.700f	8.082f	162.7E6	165.2E6	467.988	489.546	
34)	Chlordane...	8.249	8.735f	132.1E6	580003	1251.934	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.700	8.395	162.7E6	245583	BelowCal	7.748	
37)	Toxaphene...	8.007	8.781f	509563	142.2E6	15.317	3683.213	#
38)	Toxaphene...	8.326	8.781	129.8E6	142.2E6	2248.105	2461.306	
39)	Toxaphene...	8.546	8.853	116.4E6	298802	1844.804	BelowCal	#
40)	Toxaphene...	8.803	9.048	539746	283035	11.359	1.361	#
41)	Toxaphene...	8.852	9.397	122.5E6	1468234	2273.153	25.576	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

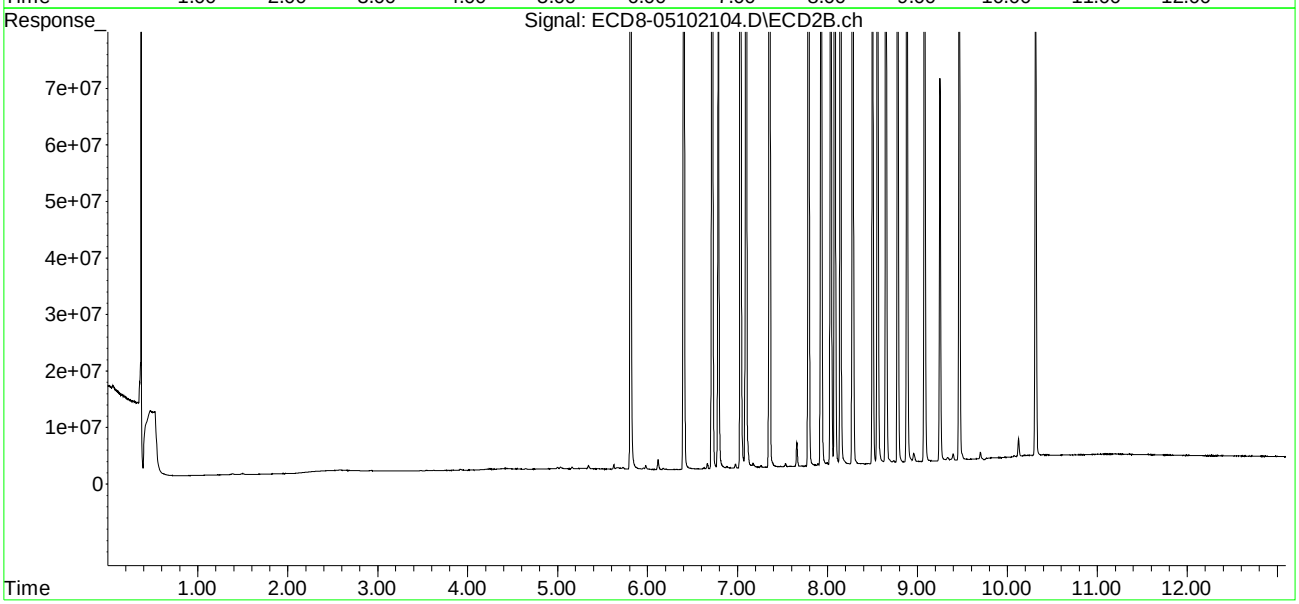
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:52
Operator : MJB
Sample : 1E10032-CCV1
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:46:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:52
Operator : MJB
Sample : 1E10032-CCV1
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Q-14

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:46:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.501	5.812	157.2E6	181.9E6	49.042	53.429	
22) S	DCBP (S)	9.734	10.312f	106.8E6	100.6E6	54.187	58.051	
	Target Compounds							
2)	a-BHC	6.051	6.403	213.3E6	252.9E6	50.120	55.801	
3)	g-BHC	6.339	6.718	182.0E6	221.6E6	50.151	56.742	
4)	b-BHC	6.424	6.788	72671058	89254593	46.465	52.979	
5)	Heptachlor	6.742	7.094	182.2E6	202.1E6	53.126	54.809	
6)	d-BHC	6.575	7.034	168.8E6	213.9E6	49.991	54.565	
7)	Aldrin	6.984	7.355	178.9E6	198.4E6	52.052	56.396	
8)	Heptachlo...	7.452	7.789	164.0E6	182.0E6	52.006	55.003	
9)	trans-Chl...	7.546	7.929	165.7E6	179.1E6	51.430	53.135	
10)	cis-Chlor...	7.644	8.036	163.7E6	176.8E6	51.940	54.545	
11)	Endosulfa...	7.745	8.082	147.6E6	165.2E6	50.906	54.876	
12)	4,4'-DDE	7.700	8.144	162.7E6	181.2E6	47.247	51.553	
13)	Dieldrin	7.919	8.281	170.2E6	185.3E6	53.672	56.346	
14)	Endrin	8.088	8.502f	143.1E6	147.9E6	55.326	55.740	
15)	4,4'-DDD	8.129	8.556f	136.9E6	151.0E6	50.574	53.431	
16)	Endosulfa...	8.249	8.649f	132.1E6	142.4E6	52.484	53.312	
17)	4,4'-DDT	8.326	8.781f	129.8E6	142.2E6	52.933	55.403	
18)	Endrin Al...	8.546	8.884f	116.4E6	124.7E6	53.055	50.743	
19)	Endosulfa...	8.852	9.078f	122.5E6	136.5E6	48.959	51.163	
20)	Methoxychlor	8.665	9.250f	62704716	67913332	50.123	51.617	
21)	Endrin Ke...	9.052	9.465f	158.0E6	166.7E6	53.032	57.258	
23)	Hexachlor...	3.279	3.541	109827	115088	0.032	0.029	
24)	Hexachlor...	5.887	6.298	241663	22351	0.074	0.006	#
25)	Oxychlordane	7.369	7.740	10386	12577	0.004	0.004	
26)	2,4'-DDE	7.452	7.929	164.0E6	179.1E6	73.386	77.061	
27)	trans-Non...	7.644f	8.036	163.7E6	176.8E6	51.512	52.584	
28)	2,4'-DDD	0.000	8.281f	0	185.3E6	N.D.	91.108	#
29)	2,4'-DDT	8.007	8.556	509563	151.0E6	0.253	71.742	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:52
Operator : MJB
Sample : 1E10032-CCV1
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:46:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

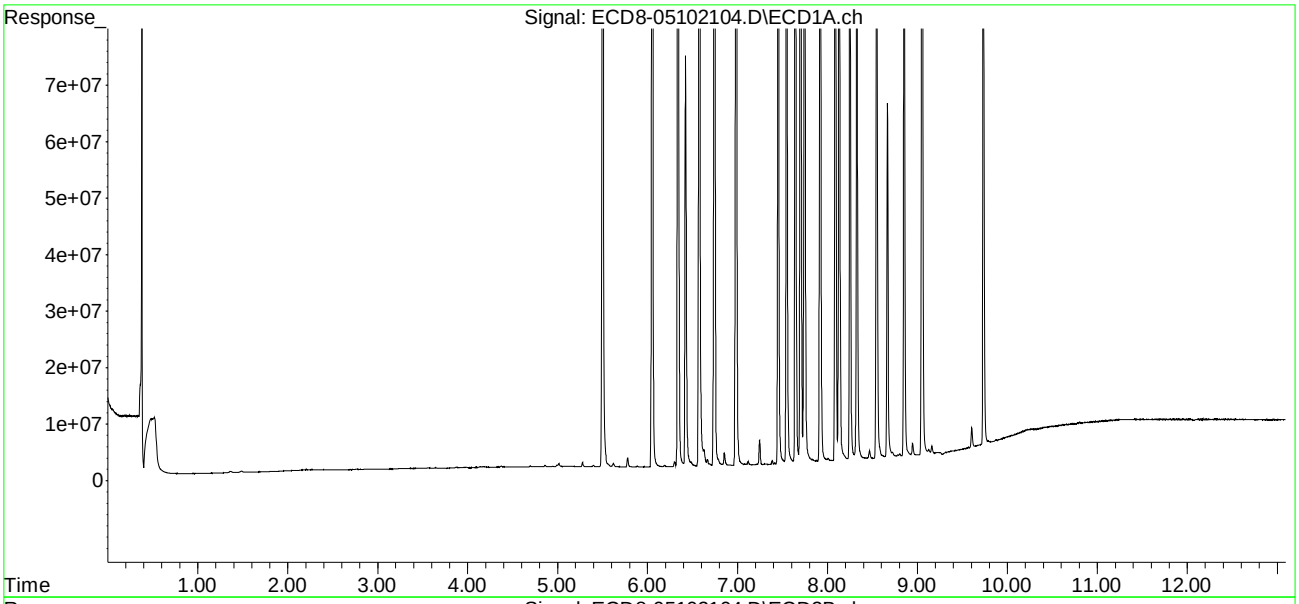
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.556f	143.1E6	151.0E6	42.653	42.062	
31)	Mirex	8.782	9.465f	403297	166.7E6	0.026	83.305	#
32)	Chlordane...	7.546f	7.996	165.7E6	562943	473.648	1.395	#
33)	Chlordane...	7.700f	8.082f	162.7E6	165.2E6	467.988	489.546	
34)	Chlordane...	8.249	8.735f	132.1E6	580003	1251.934	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.700	8.395	162.7E6	245583	BelowCal	7.748	
37)	Toxaphene...	8.007	8.781f	509563	142.2E6	15.317	3683.213	#
38)	Toxaphene...	8.326	8.781	129.8E6	142.2E6	2248.105	2461.306	
39)	Toxaphene...	8.546	8.853	116.4E6	298802	1844.804	BelowCal	#
40)	Toxaphene...	8.803	9.048	539746	283035	11.359	1.361	#
41)	Toxaphene...	8.852	9.397	122.5E6	1468234	2273.153	25.576	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

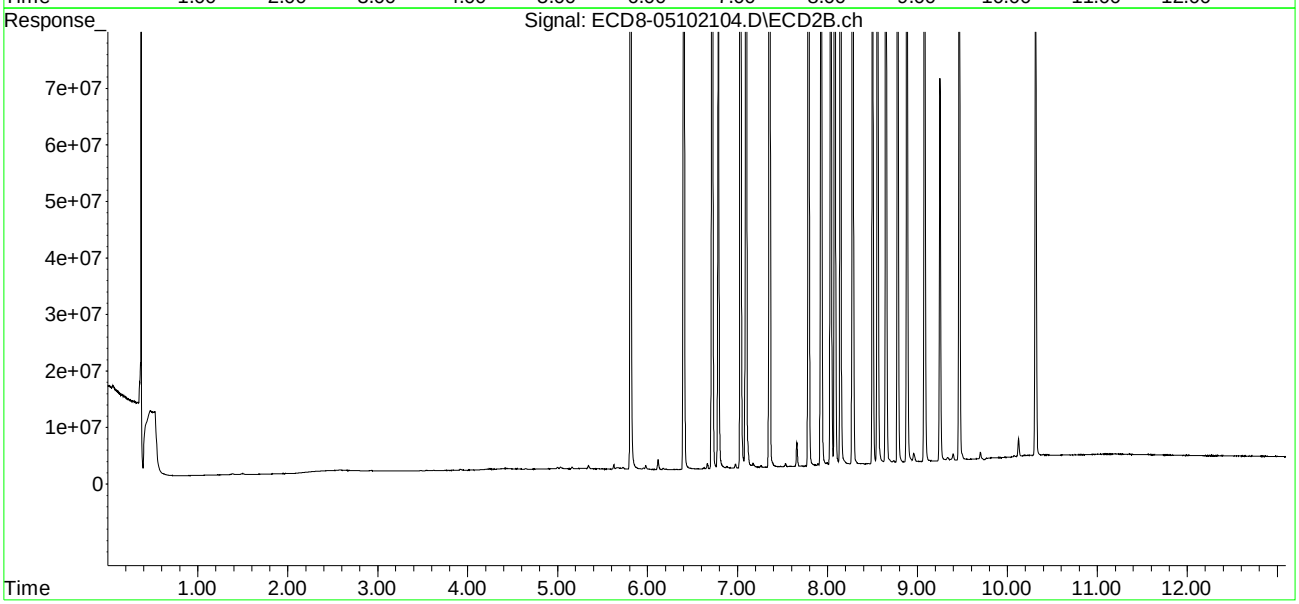
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 8:52
Operator : MJB
Sample : 1E10032-CCV1
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:46:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471f	5.848f	1128099	1103634	0.352	0.324	
22) S	DCBP (S)	0.000	10.367f	0	682731	N.D.	0.220	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.329	6.718	162797	11902	0.045	0.003	#
4)	b-BHC	6.402	6.796	20584	211203	0.013	BelowCal	#
5)	Heptachlor	6.743	7.121	122024	46092	0.036	0.012	#
6)	d-BHC	6.586	7.041	47690	77245	0.014	0.011	
7)	Aldrin	6.957f	7.358	34937	30117	0.010	0.009	
8)	Heptachlo...	7.447	7.827f	85464558	630834	27.099	0.191	#
9)	trans-Chl...	7.545	7.920f	1003703	94897777	0.312	28.150	#
10)	cis-Chlor...	7.631	0.000	141.3E6	0	44.841	N.D.	#
11)	Endosulfa...	7.741	0.000	582515	0	0.201	N.D.	#
12)	4,4'-DDE	0.000	8.168	0	164966	N.D.	0.047	#
13)	Dieldrin	7.912	8.290	585780	83160450	0.185	25.283	#
14)	Endrin	8.108f	8.511	144.8E6	87695428	55.988	34.113	#
15)	4,4'-DDD	8.108	8.553f	144.8E6	152.0E6	53.515	53.808	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.328	8.783	77688	59105	0.032	BelowCal	#
18)	Endrin Al...	8.546	8.895	71476	136511	BelowCal	BelowCal	
19)	Endosulfa...	8.883f	9.081f	501069	54016	0.200	0.020	#
20)	Methoxychlor	0.000	9.236f	0	69492	N.D.	0.053	#
21)	Endrin Ke...	9.048	9.456f	34369	92236146	0.012	32.695	#
23)	Hexachlor...	3.282	3.529	145.8E6	169.5E6	41.939	42.268	
24)	Hexachlor...	5.885	6.273	122.2E6	129.7E6	37.487	36.117	
25)	Oxychlordane	7.375	7.722f	122.6E6	130.7E6	44.445	44.441	
26)	2,4'-DDE	7.447	7.920f	85464558	94897777	38.240	40.826	
27)	trans-Non...	7.631	7.997f	141.3E6	147.2E6	44.471	43.762	
28)	2,4'-DDD	7.826	8.290f	71846407	83160450	37.916	42.366	
29)	2,4'-DDT	8.007	8.553	83491927	152.0E6	41.395	72.248	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

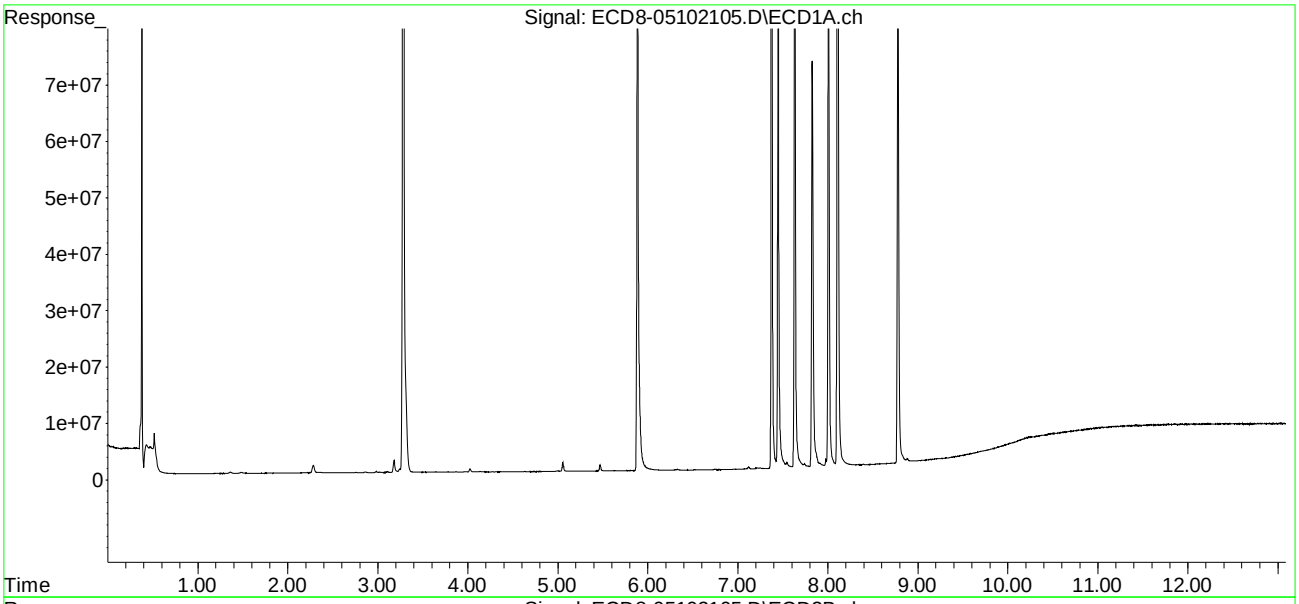
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.108	8.553f	144.8E6	152.0E6	43.163	42.359	
31)	Mirex	8.779	9.456f	90376799	92236146	45.472	47.200	
32)	Chlordane...	7.545f	7.997	1003703	147.2E6	2.869	364.662	#
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	0.000	8.783f	0	59105	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.741f	8.397	582515	752639	38.640	23.744	#
37)	Toxaphene...	8.007	8.783f	83491927	59105	3777.021	1.531	#
38)	Toxaphene...	8.328	8.783	77688	59105	1.346	1.023	
39)	Toxaphene...	8.546	8.852	71476	14879	1.133	BelowCal	#
40)	Toxaphene...	8.779f	9.036	90376799	16033	1901.975	BelowCal	#
41)	Toxaphene...	8.883	0.000	501069	0	9.301	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

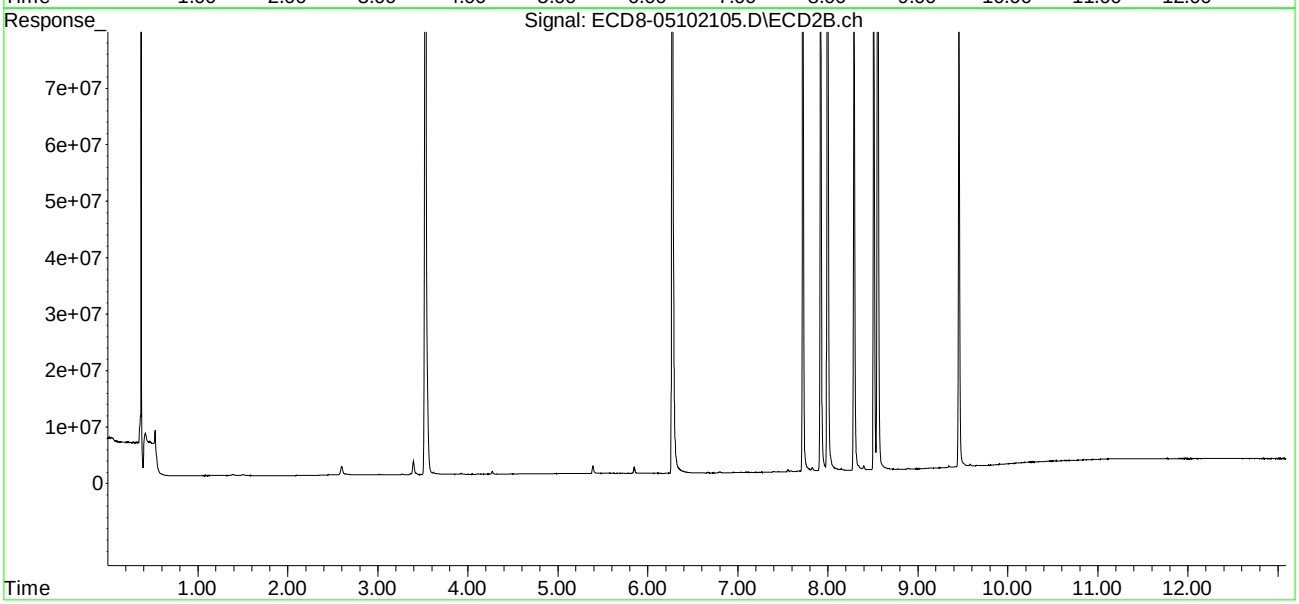
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

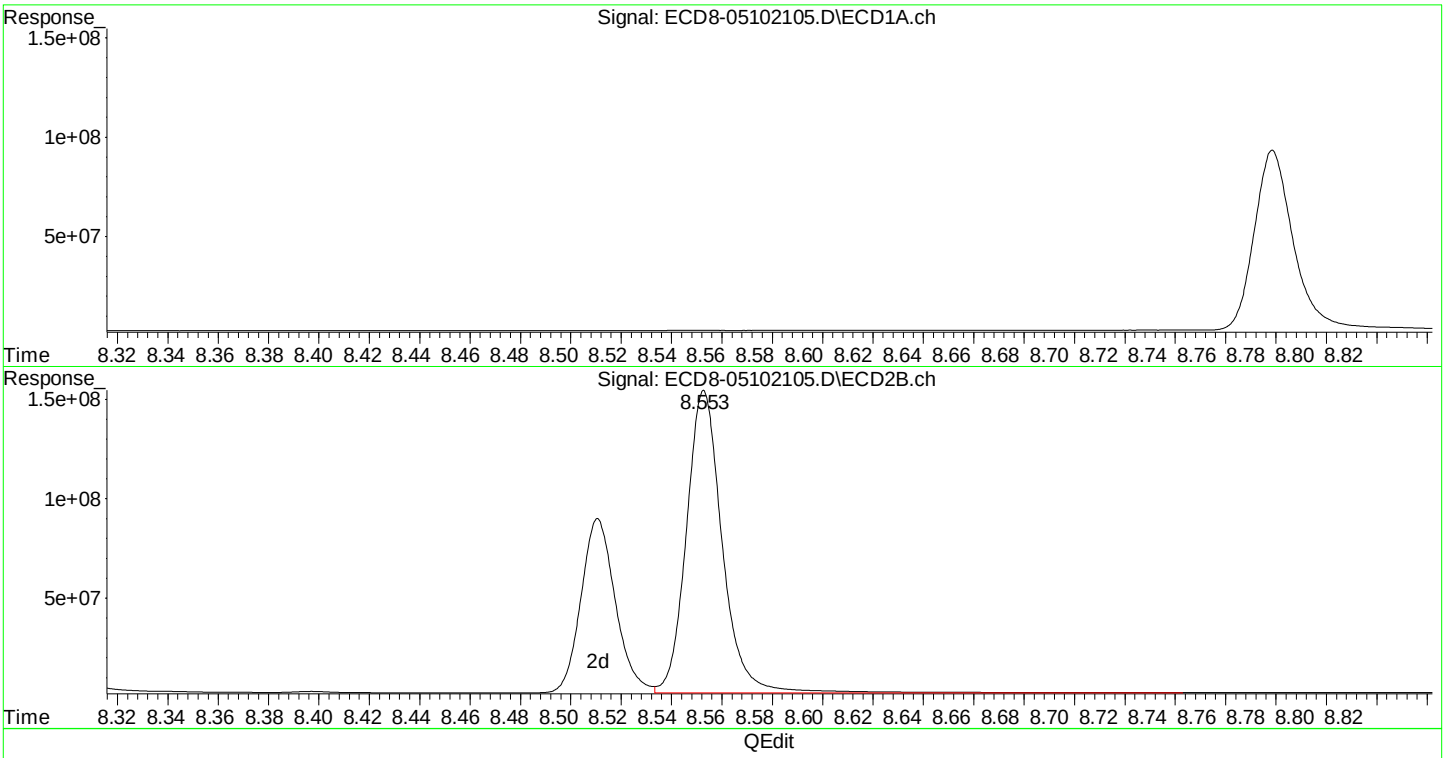




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.007min 41.395 ng/mL
response 83491927

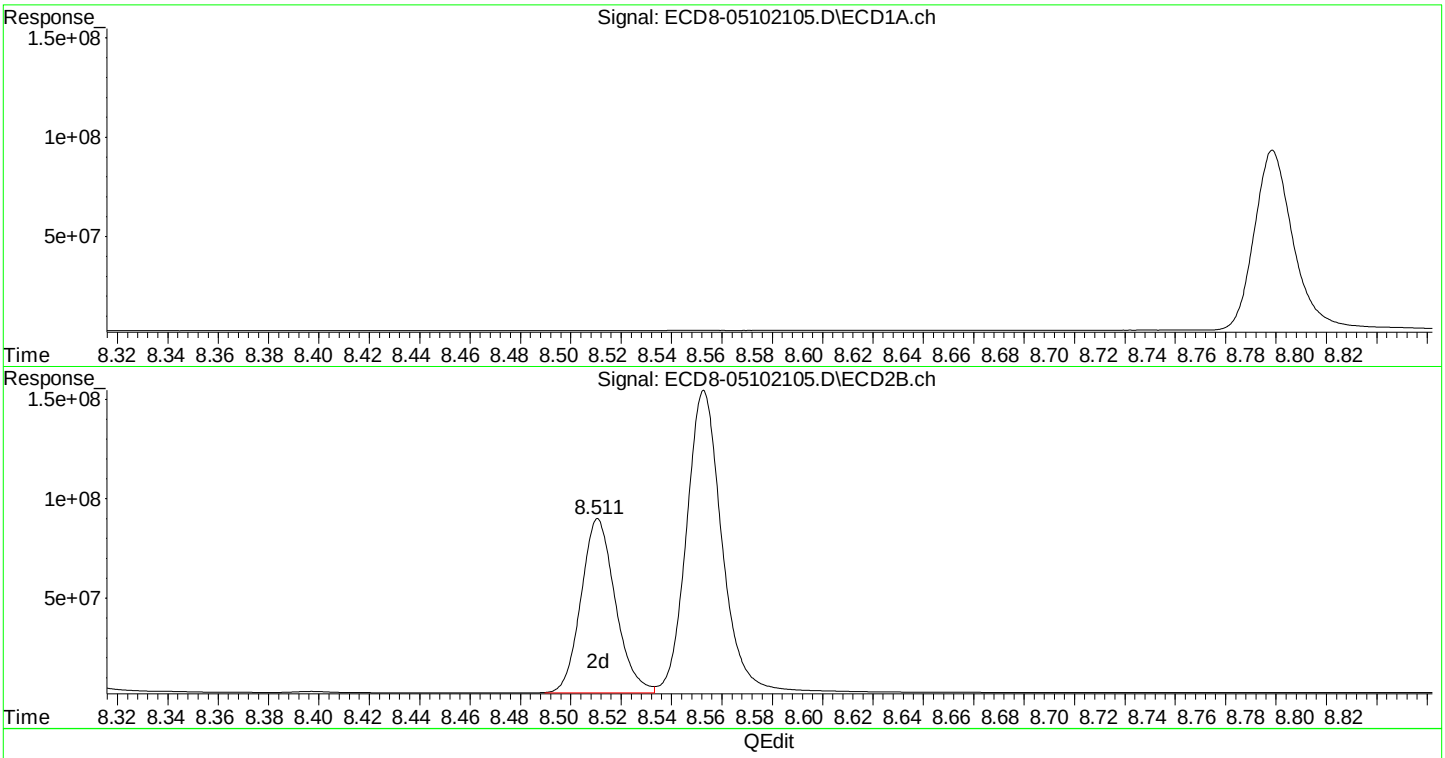
(29) 2,4'-DDT #2
8.553min 72.248 ng/mL
response 152027133

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(29) 2,4'-DDT
8.007min 41.395 ng/mL
response 83491927

(29) 2,4'-DDT #2
8.511min 41.741 ng/mL m
response 87833342

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Q-14

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471f	5.848f	1128099	1103634	0.352	0.324	
22) S	DCBP (S)	0.000	10.367f	0	682731	N.D.	0.220	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.329	6.718	162797	11902	0.045	0.003	#
4)	b-BHC	6.402	6.796	20584	211203	0.013	BelowCal	#
5)	Heptachlor	6.743	7.121	122024	46092	0.036	0.012	#
6)	d-BHC	6.586	7.041	47690	77245	0.014	0.011	
7)	Aldrin	6.957f	7.358	34937	30117	0.010	0.009	
8)	Heptachlo...	7.447	7.827f	85464558	630834	27.099	0.191	#
9)	trans-Chl...	7.545	7.920f	1003703	94897777	0.312	28.150	#
10)	cis-Chlor...	7.631	0.000	141.3E6	0	44.841	N.D.	#
11)	Endosulfa...	7.741	0.000	582515	0	0.201	N.D.	#
12)	4,4'-DDE	0.000	8.168	0	164966	N.D.	0.047	#
13)	Dieldrin	7.912	8.290	585780	83160450	0.185	25.283	#
14)	Endrin	8.108f	8.511	144.8E6	87695428	55.988	34.113	#
15)	4,4'-DDD	8.108	8.553f	144.8E6	152.0E6	53.515	53.808	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.328	8.783	77688	59105	0.032	BelowCal	#
18)	Endrin Al...	8.546	8.895	71476	136511	BelowCal	BelowCal	
19)	Endosulfa...	8.883f	9.081f	501069	54016	0.200	0.020	#
20)	Methoxychlor	0.000	9.236f	0	69492	N.D.	0.053	#
21)	Endrin Ke...	9.048	9.456f	34369	92236146	0.012	32.695	#
23)	Hexachlor...	3.282	3.529	145.8E6	169.5E6	41.939	42.268	
24)	Hexachlor...	5.885	6.273	122.2E6	129.7E6	37.487	36.117	
25)	Oxychlordane	7.375	7.722f	122.6E6	130.7E6	44.445	44.441	
26)	2,4'-DDE	7.447	7.920f	85464558	94897777	38.240	40.826	
27)	trans-Non...	7.631	7.997f	141.3E6	147.2E6	44.471	43.762	
28)	2,4'-DDD	7.826	8.290f	71846407	83160450	37.916	42.366	
29)	2,4'-DDT	8.007	8.511f	83491927	87833342	41.395	41.741	m

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

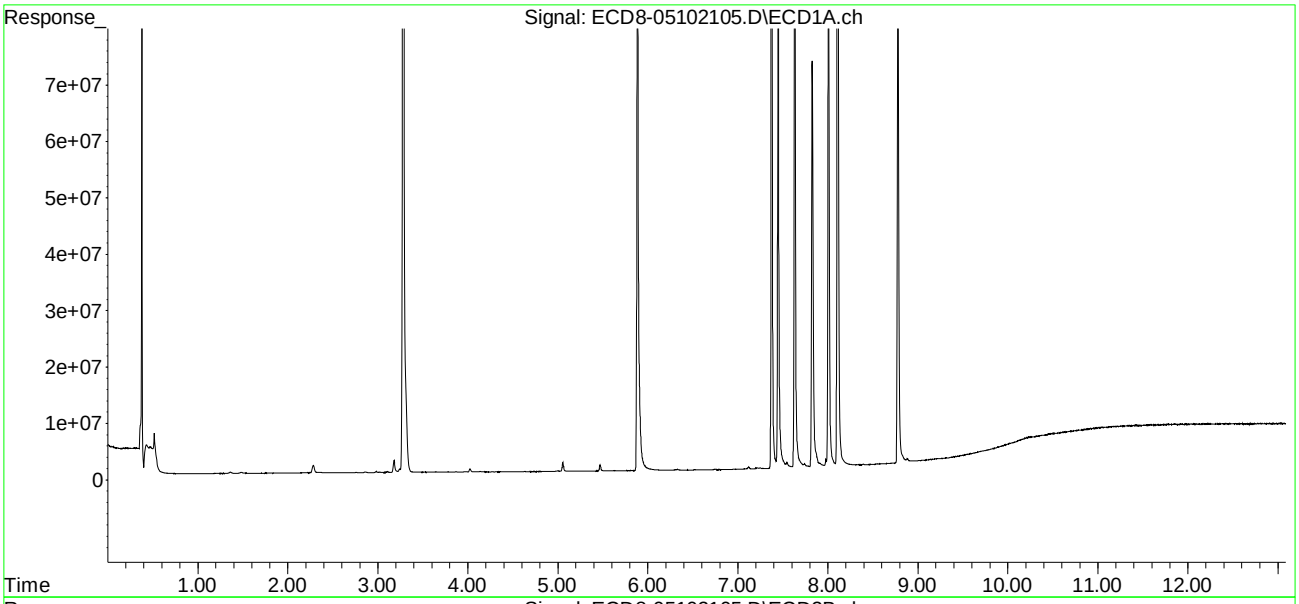
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.108	8.553f	144.8E6	152.0E6	43.163	42.359	
31)	Mirex	8.779	9.456f	90376799	92236146	45.472	47.200	
32)	Chlordane...	7.545f	7.997	1003703	147.2E6	2.869	364.662	#
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	0.000	8.783f	0	59105	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.741f	8.397	582515	752639	38.640	23.744	#
37)	Toxaphene...	8.007	8.783f	83491927	59105	3777.021	1.531	#
38)	Toxaphene...	8.328	8.783	77688	59105	1.346	1.023	
39)	Toxaphene...	8.546	8.852	71476	14879	1.133	BelowCal	#
40)	Toxaphene...	8.779f	9.036	90376799	16033	1901.975	BelowCal	#
41)	Toxaphene...	8.883	0.000	501069	0	9.301	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

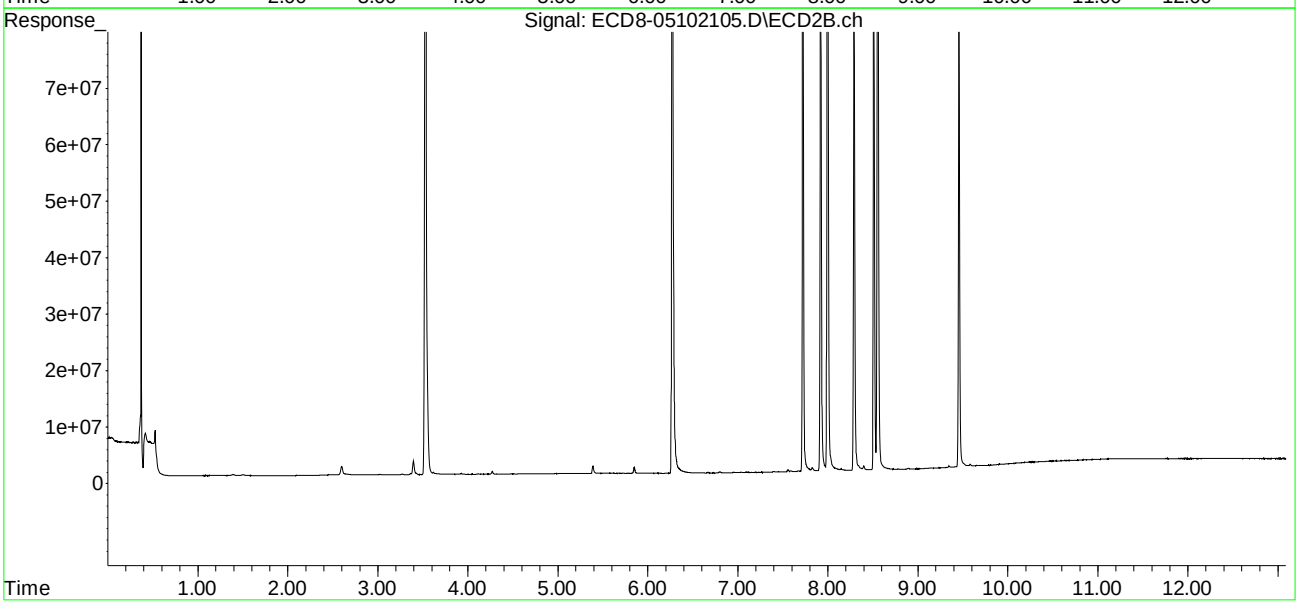
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:10
Operator : MJB
Sample : 1E10032-CCV2
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 09:24:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.497	5.813	269.5E6	292.7E6	84.037	85.989	
22) S	DCBP (S)	9.729	10.310f	195.1E6	190.4E6	101.770	109.511	
	Target Compounds							
2)	a-BHC	6.086f	6.401	18897	25677	0.004	0.006	#
3)	g-BHC	0.000	6.731	0	13148	N.D.	0.003	#
4)	b-BHC	6.423	6.803	33271	31541	0.021	BelowCal	#
5)	Heptachlor	6.742	7.109	7928	12957	0.002	0.004	#
6)	d-BHC	6.586	7.048	11850	29236	0.004	BelowCal	#
7)	Aldrin	6.977	7.346f	7423	13516	0.002	0.004	#
8)	Heptachlo...	7.454	7.807	18276	15423	0.006	0.005	
9)	trans-Chl...	7.537	7.947	245957	12981	0.076	0.004	#
10)	cis-Chlor...	7.638	8.033f	14985	17524	0.005	0.005	
11)	Endosulfa...	7.753	8.093	12080	43546	0.004	0.014	#
12)	4,4'-DDE	7.705	8.167	45809	17979	0.013	0.005	#
13)	Dieldrin	7.925	8.296	8508	20871	0.003	0.006	#
14)	Endrin	8.075	8.510	19436	48921	0.008	0.022	#
15)	4,4'-DDD	8.123	8.563	19106	20305	0.007	0.007	
16)	Endosulfa...	8.239	8.668	18651	13610	0.007	0.005	#
17)	4,4'-DDT	8.304	8.803	12860	17600	0.005	BelowCal	#
18)	Endrin Al...	8.547	8.905	36399	9969	BelowCal	BelowCal	
19)	Endosulfa...	8.851	9.079f	27112	52273	0.011	0.020	#
20)	Methoxychlor	8.667	9.247f	28566	47428	0.023	0.036	#
21)	Endrin Ke...	9.034	9.483	27742	149114	0.009	BelowCal	#
23)	Hexachlor...	0.000	3.548	0	12852	N.D.	0.003	#
24)	Hexachlor...	5.883	6.276	439615	57819	0.135	0.016	#
25)	Oxychlordane	7.379	7.739	16214	29988	0.006	0.010	#
26)	2,4'-DDE	7.427	7.947	7774	12981	0.003	0.006	#
27)	trans-Non...	7.629	8.023	22350	18040	0.007	0.005	
28)	2,4'-DDD	7.802	8.311	7359	14292	0.004	BelowCal	#
29)	2,4'-DDT	7.991	8.553	12468	25180	0.006	0.012	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

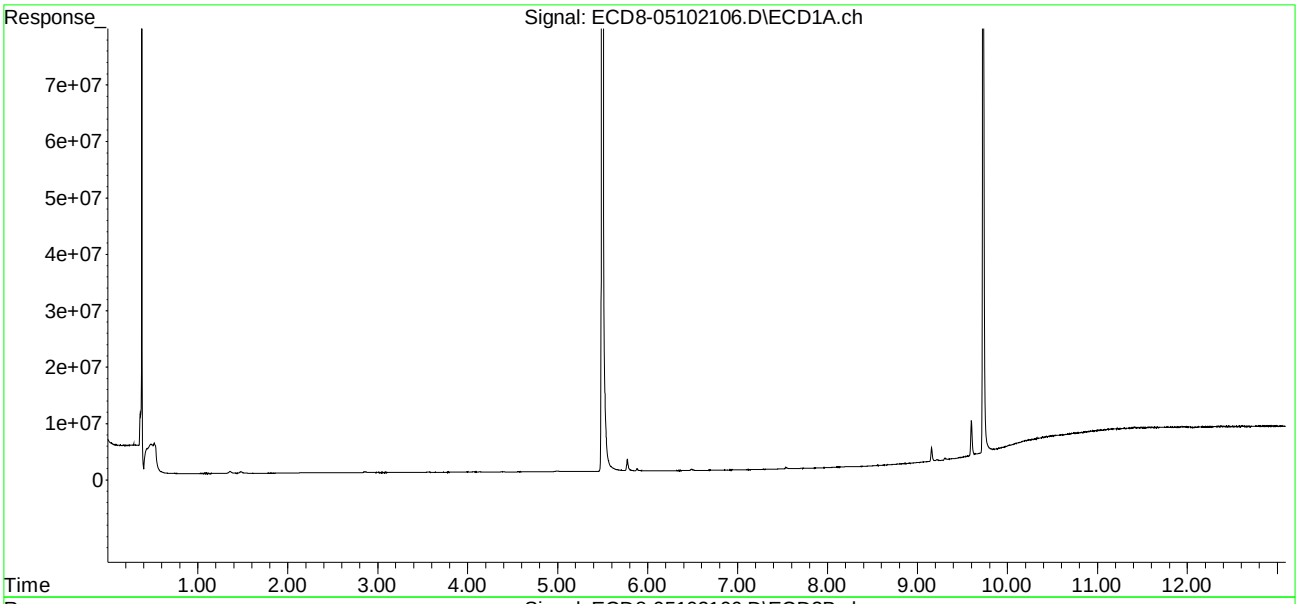
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.111	8.563	29505	20305	0.009	0.006	#
31)	Mirex	8.775	9.483	62346	149114	21703.371	BelowCal	#
32)	Chlordane...	7.603f	8.001	10737	28987	0.031	0.072	#
33)	Chlordane...	7.676	8.093	4570	43546	0.013	0.129	#
34)	Chlordane...	8.239	8.759	18651	10851	0.177	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.705	8.408	45809	21600	2.180	0.681	#
37)	Toxaphene...	7.991	8.759	12468	10851	12094.413	0.281	#
38)	Toxaphene...	8.343	8.797	12902	20820	0.224	0.360	#
39)	Toxaphene...	8.547	8.849	36399	8706	0.577	BelowCal	#
40)	Toxaphene...	8.805	9.035	24002	11245	0.505	BelowCal	#
41)	Toxaphene...	8.865	9.411	8783	99399	0.163	1.731	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

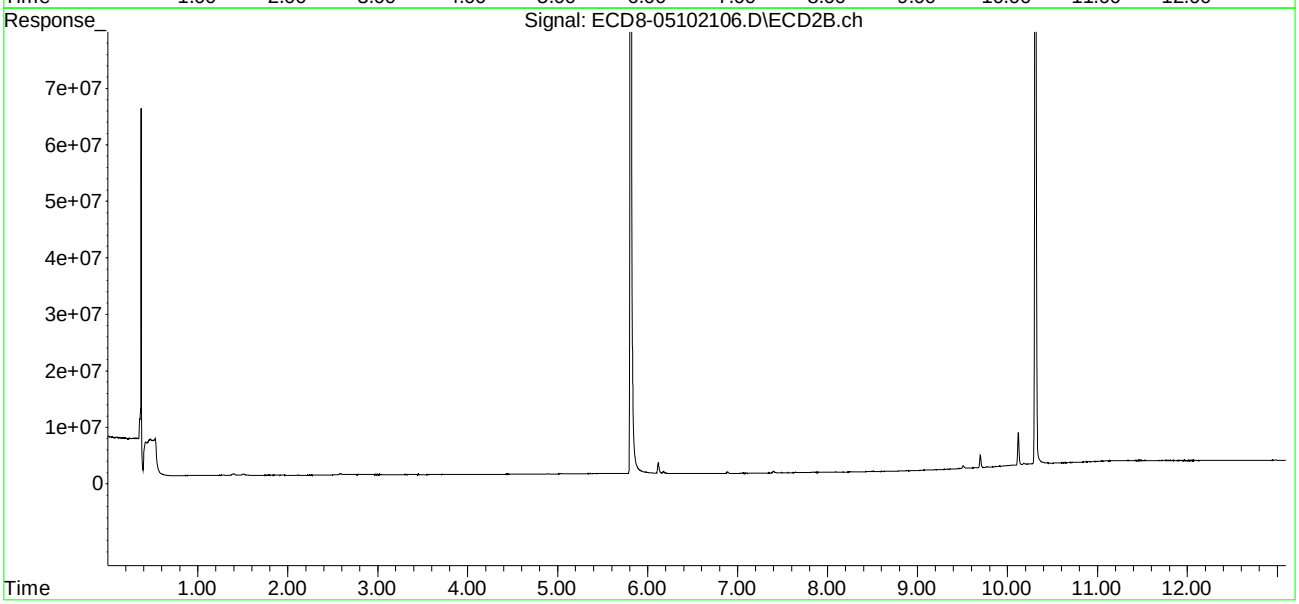
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

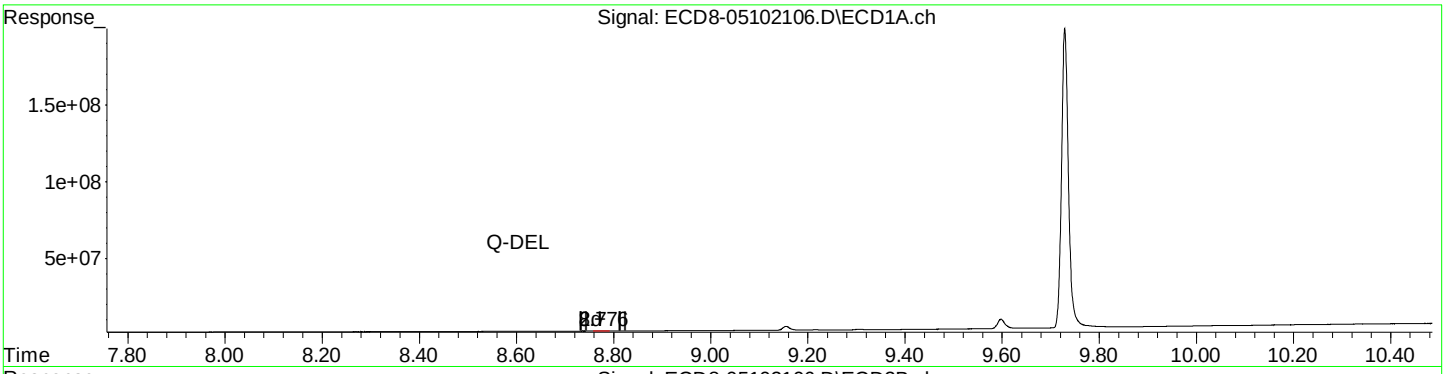




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(31) Mirex
~~8.775min -21703.371 ng/mL~~
response ~~62346~~

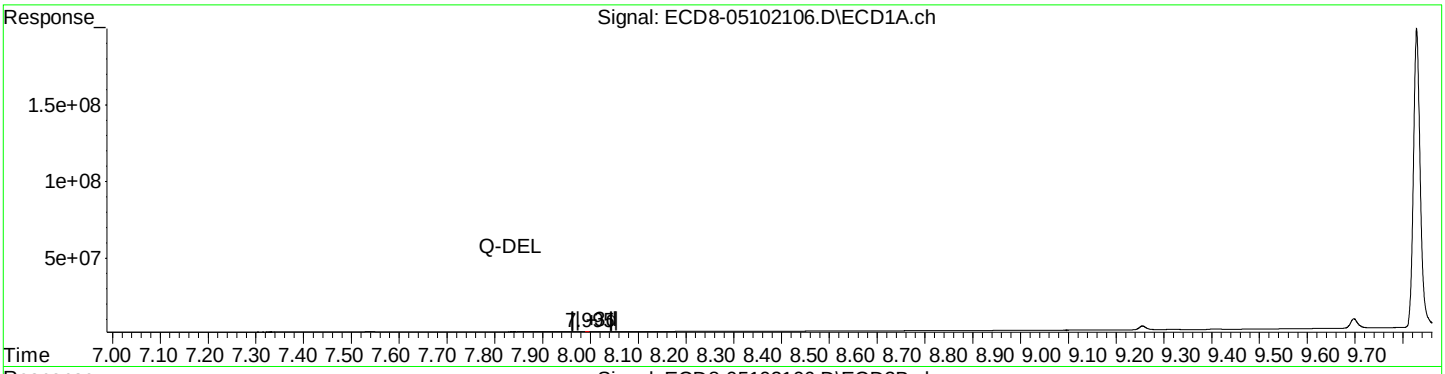
(31) Mirex #2
9.483min -0.358 ng/mL
response 149114

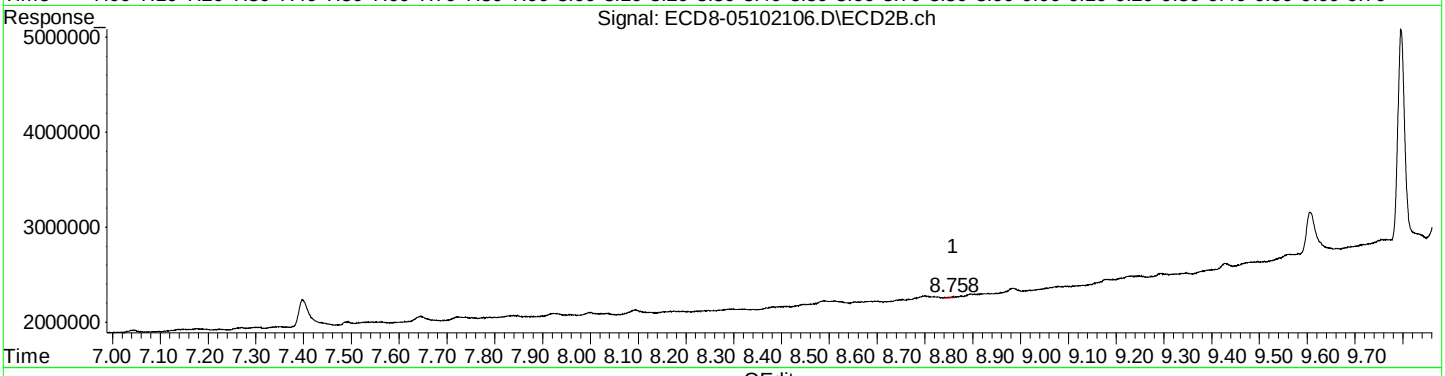
(+) = Expected Retention Time
ECD8_QUANTP..._210222RTD.M Mon May 10 14:51:47 2021 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(37) Toxaphene (2)
~~7.991min 12094.413 ng/mL~~
response ~~12468~~

(37) Toxaphene (2) #2
8.759min 0.281 ng/mL
response 10851

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.497	5.813	269.5E6	292.7E6	84.037	85.989	
22) S	DCBP (S)	9.729	10.310f	195.1E6	190.4E6	101.770	109.511	
	Target Compounds							
2)	a-BHC	6.086f	6.401	18897	25677	0.004	0.006	#
3)	g-BHC	0.000	6.731	0	13148	N.D.	0.003	#
4)	b-BHC	6.423	6.803	33271	31541	0.021	BelowCal	#
5)	Heptachlor	6.742	7.109	7928	12957	0.002	0.004	#
6)	d-BHC	6.586	7.048	11850	29236	0.004	BelowCal	#
7)	Aldrin	6.977	7.346f	7423	13516	0.002	0.004	#
8)	Heptachlo...	7.454	7.807	18276	15423	0.006	0.005	
9)	trans-Chl...	7.537	7.947	245957	12981	0.076	0.004	#
10)	cis-Chlor...	7.638	8.033f	14985	17524	0.005	0.005	
11)	Endosulfa...	7.753	8.093	12080	43546	0.004	0.014	#
12)	4,4'-DDE	7.705	8.167	45809	17979	0.013	0.005	#
13)	Dieldrin	7.925	8.296	8508	20871	0.003	0.006	#
14)	Endrin	8.075	8.510	19436	48921	0.008	0.022	#
15)	4,4'-DDD	8.123	8.563	19106	20305	0.007	0.007	
16)	Endosulfa...	8.239	8.668	18651	13610	0.007	0.005	#
17)	4,4'-DDT	8.304	8.803	12860	17600	0.005	BelowCal	#
18)	Endrin Al...	8.547	8.905	36399	9969	BelowCal	BelowCal	
19)	Endosulfa...	8.851	9.079f	27112	52273	0.011	0.020	#
20)	Methoxychlor	8.667	9.247f	28566	47428	0.023	0.036	#
21)	Endrin Ke...	9.034	9.483	27742	149114	0.009	BelowCal	#
23)	Hexachlor...	0.000	3.548	0	12852	N.D.	0.003	#
24)	Hexachlor...	5.883	6.276	439615	57819	0.135	0.016	#
25)	Oxychlordane	7.379	7.739	16214	29988	0.006	0.010	#
26)	2,4'-DDE	7.427	7.947	7774	12981	0.003	0.006	#
27)	trans-Non...	7.629	8.023	22350	18040	0.007	0.005	
28)	2,4'-DDD	7.802	8.311	7359	14292	0.004	BelowCal	#
29)	2,4'-DDT	7.991	8.553	12468	25180	0.006	0.012	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

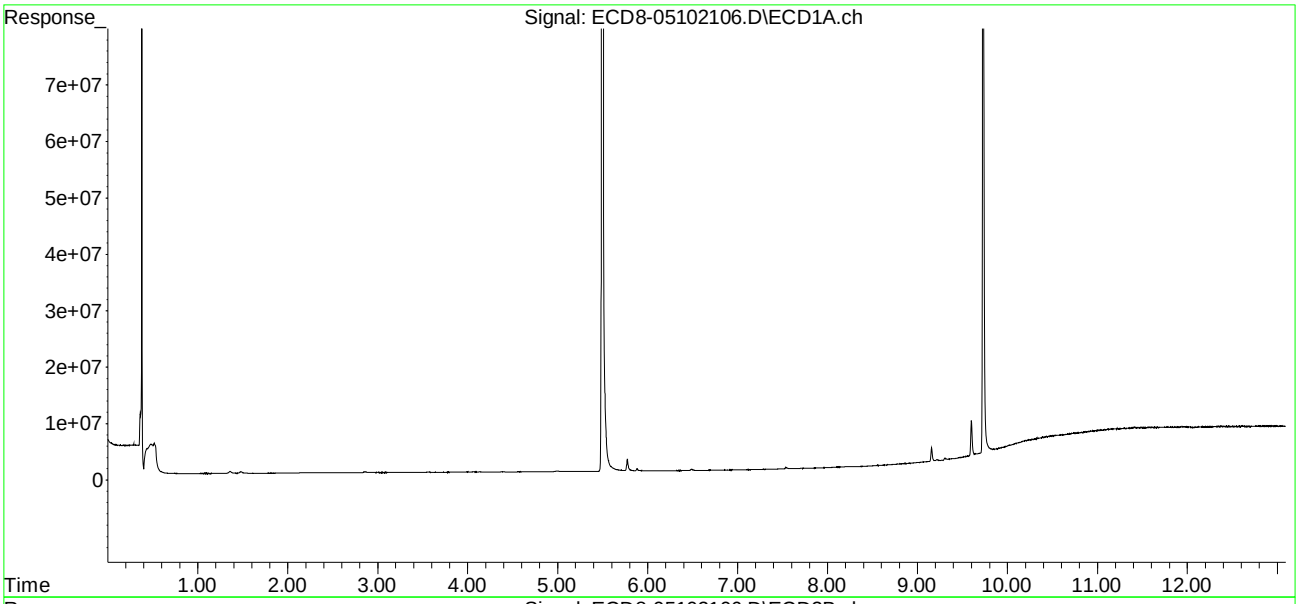
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.111	8.563	29505	20305	0.009	0.006	#
31)	Mirex	0.000	9.483	0	149114	N.D. d	BelowCal	
32)	Chlordane...	7.603f	8.001	10737	28987	0.031	0.072	#
33)	Chlordane...	7.676	8.093	4570	43546	0.013	0.129	#
34)	Chlordane...	8.239	8.759	18651	10851	0.177	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.705	8.408	45809	21600	2.180	0.681	#
37)	Toxaphene...	0.000	8.759	0	10851	N.D. d	0.281	
38)	Toxaphene...	8.343	8.797	12902	20820	0.224	0.360	#
39)	Toxaphene...	8.547	8.849	36399	8706	0.577	BelowCal	#
40)	Toxaphene...	8.805	9.035	24002	11245	0.505	BelowCal	#
41)	Toxaphene...	8.865	9.411	8783	99399	0.163	1.731	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

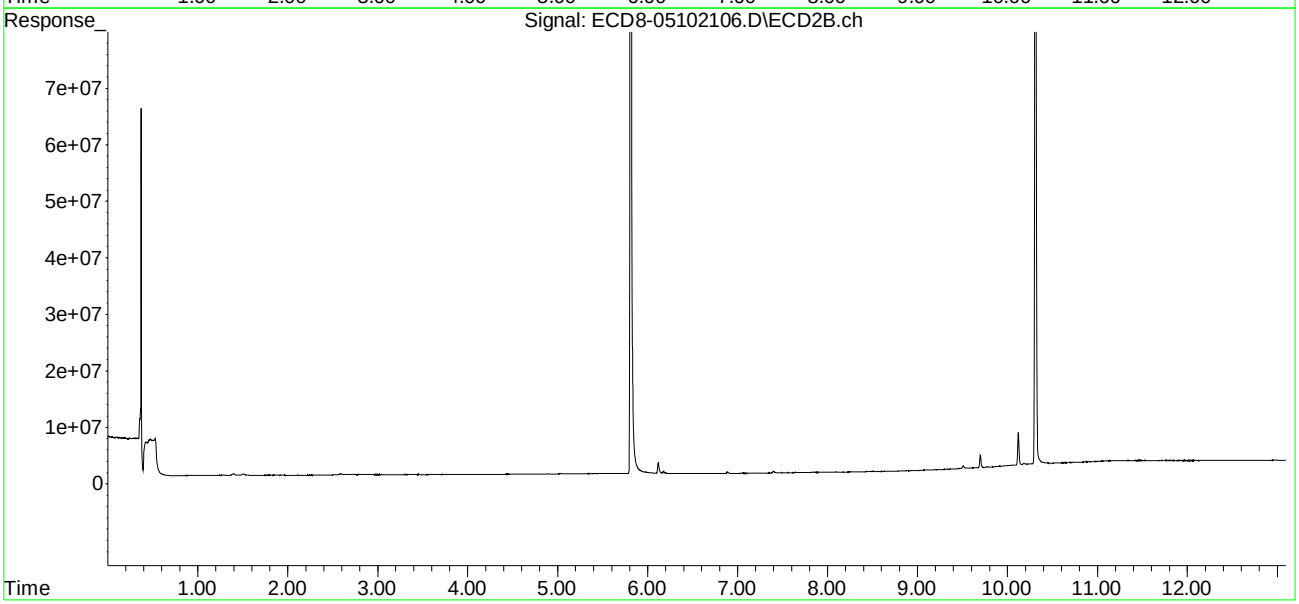
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 9:27
Operator : MJB
Sample : 1E10032-CCB1
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:50:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:22
Operator : MJB
Sample : 1E10032-BKD2
Misc : A21C007
ALS Vial : 2 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:53:21 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222RTD.M
Quant Title : Pesticides
QLast Update : Mon May 10 14:42:49 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.684	9502953	NoCal	ng/mL
2)	Endrin	8.072	1354917195	NoCal	ng/mL
3)	4,4'-DDD	8.113	63642225	NoCal	ng/mL
4)	4,4'-DDT	8.309	2627112293	NoCal	ng/mL
5)	Endrin Aldehyde	8.530	38393196	NoCal	ng/mL
6)	Endrin Ketone	9.034	62991515	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.133	7643186	NoCal	ng/mL
9)	Endrin [2C]	8.491	1325564144	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.545	65432471	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.873	43646027	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.769	2609720831	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.453	55917481	NoCal	ng/mL

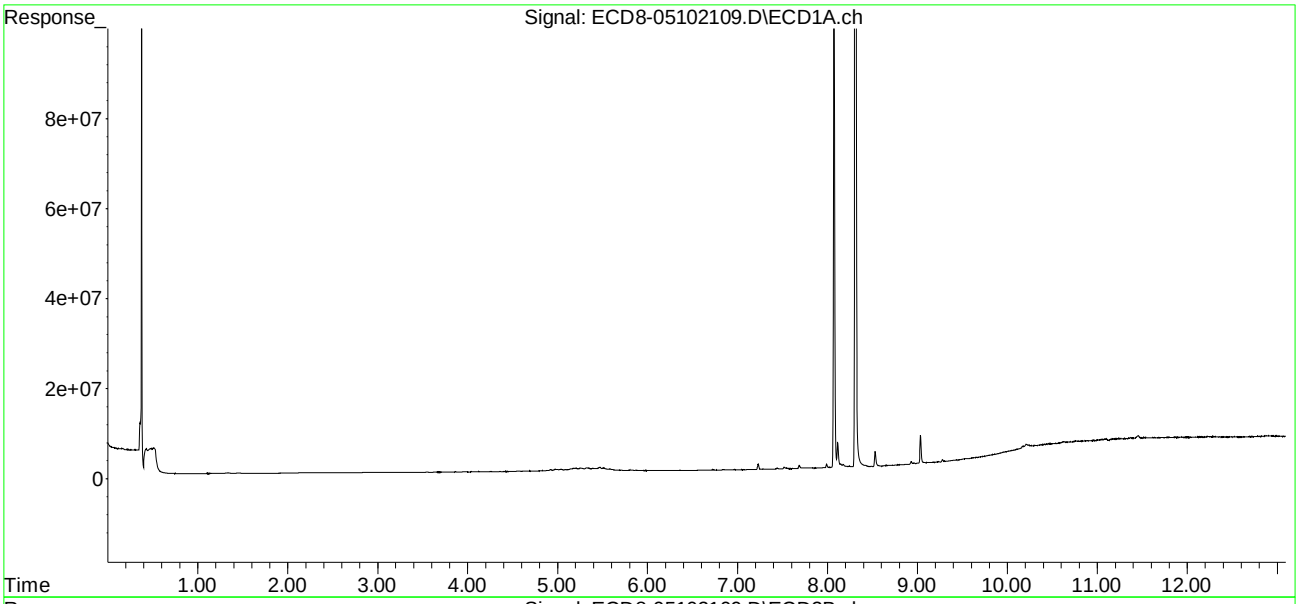
(f)=RT Delta > 1/2 Window (m)=manual int.

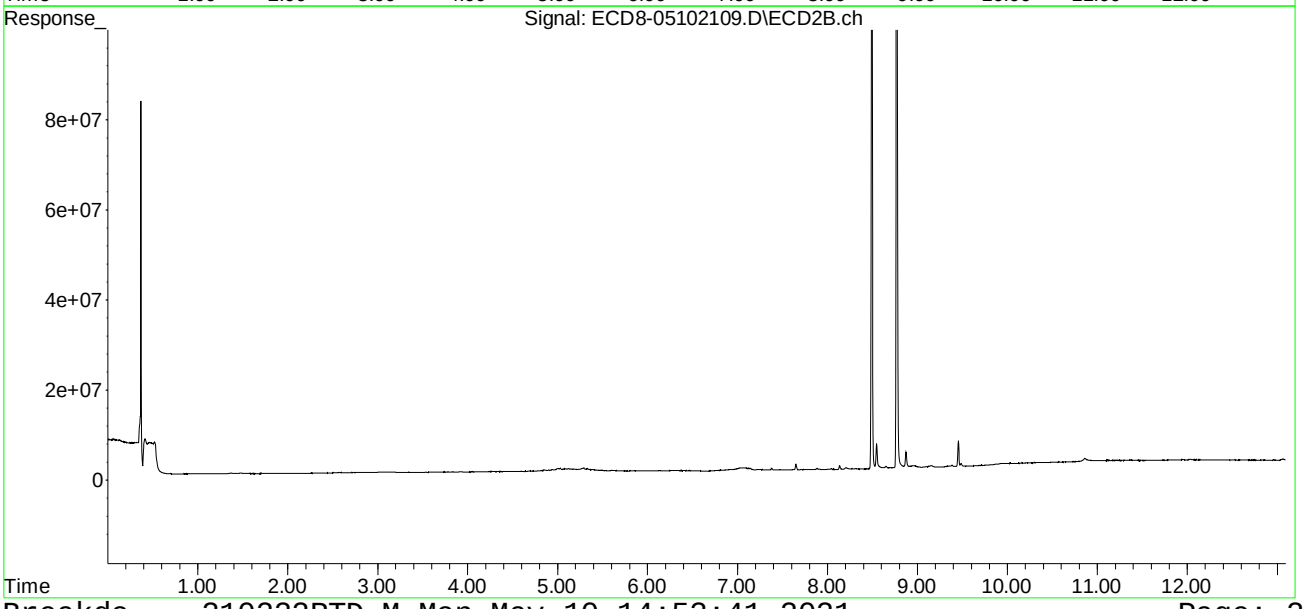
Cut about 6" off of the guard column. CCV failed, maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:22
Operator : MJB
Sample : 1E10032-BKD2
Misc : A21C007
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:53:21 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222RTD.M
Quant Title : Pesticides
QLast Update : Mon May 10 14:42:49 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:38
Operator : MJB
Sample : 1E10032-CCV3
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:57:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.487	5.804	148.4E6	155.2E6	46.281	45.603	
22) S	DCBP (S)	9.714	10.299	99658572	97711153	50.421	56.399	
	Target Compounds							
2)	a-BHC	6.037	6.395	210.5E6	226.1E6	49.476	49.885	
3)	g-BHC	6.324	6.708	178.9E6	201.1E6	49.297	51.506	
4)	b-BHC	6.407	6.778	69302899	79596705	44.312	47.432	
5)	Heptachlor	6.725	7.083	185.2E6	199.6E6	53.997	54.126	
6)	d-BHC	6.559	7.024	158.8E6	188.4E6	47.026	48.476	
7)	Aldrin	6.966	7.344	174.5E6	188.6E6	50.760	53.611	
8)	Heptachlo...	7.436	7.778	165.1E6	174.0E6	52.355	52.591	
9)	trans-Chl...	7.528	7.918	166.5E6	173.6E6	51.686	51.502	
10)	cis-Chlor...	7.626	8.025	161.0E6	165.5E6	51.079	51.056	
11)	Endosulfa...	7.728	8.072	153.2E6	156.2E6	52.833	51.914	
12)	4,4'-DDE	7.683	8.133	158.8E6	163.9E6	46.110	46.621	
13)	Dieldrin	7.902	8.270	169.8E6	181.6E6	53.537	55.207	
14)	Endrin	8.070	8.490	150.4E6	154.6E6	58.148	58.065	
15)	4,4'-DDD	8.112	8.546	126.7E6	136.8E6	46.821	48.402	
16)	Endosulfa...	8.232	8.638	130.4E6	132.4E6	51.832	49.593	
17)	4,4'-DDT	8.309	8.770	138.3E6	146.0E6	56.425	56.779	
18)	Endrin Al...	8.528	8.872	113.3E6	115.1E6	51.682	46.855	
19)	Endosulfa...	8.833	9.067	127.0E6	132.2E6	50.773	49.524	
20)	Methoxychlor	8.646	9.238	67044972	71129161	53.592	54.062	
21)	Endrin Ke...	9.033	9.453	155.6E6	161.4E6	52.226	55.548	
23)	Hexachlor...	0.000	3.537	0	94325	N.D.	0.024	#
24)	Hexachlor...	5.873	6.286	303823	28495	0.093	0.008	#
25)	Oxychlordane	7.370	7.746	729500	16896	0.265	0.006	#
26)	2,4'-DDE	7.436	7.918f	165.1E6	173.6E6	73.879	74.693	
27)	trans-Non...	7.626	8.025	161.0E6	165.5E6	50.657	49.221	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.989	8.546	665686	136.8E6	0.330	64.989	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:38
Operator : MJB
Sample : 1E10032-CCV3
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:57:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

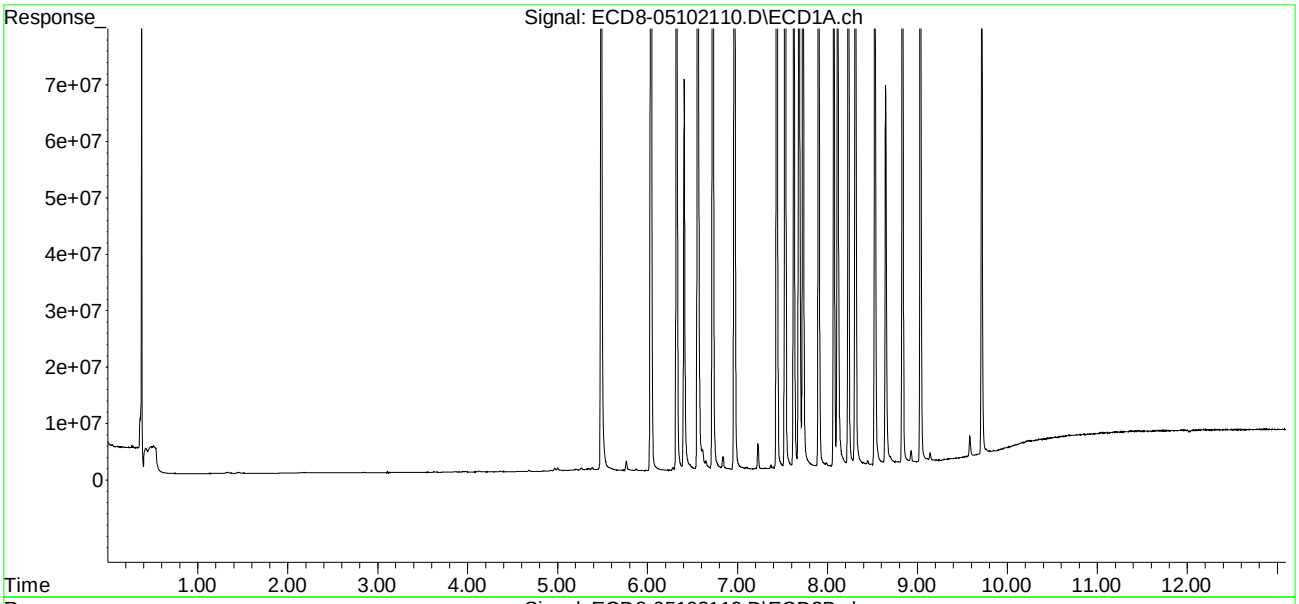
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.112	8.546f	126.7E6	136.8E6	37.764	38.103	
31)	Mirex	8.784	9.453f	270830	161.4E6	21703.266	80.774	#
32)	Chlordane...	0.000	7.985	0	562694	N.D.	1.394	#
33)	Chlordane...	7.683	8.133f	158.8E6	163.9E6	456.724	485.677	
34)	Chlordane...	8.232	8.770	130.4E6	146.0E6	1236.366	1311.061	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.728f	8.422	153.2E6	26087	BelowCal	0.823	
37)	Toxaphene...	7.989	8.770	665686	146.0E6	20.190	3783.246	#
38)	Toxaphene...	8.309	8.770f	138.3E6	146.0E6	2396.447	2528.153	
39)	Toxaphene...	8.528f	8.872	113.3E6	115.1E6	1796.422	1197.484	#
40)	Toxaphene...	8.784	9.015f	270830	262265	5.700	0.971	#
41)	Toxaphene...	8.833f	9.383f	127.0E6	966138	2357.384	16.830	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

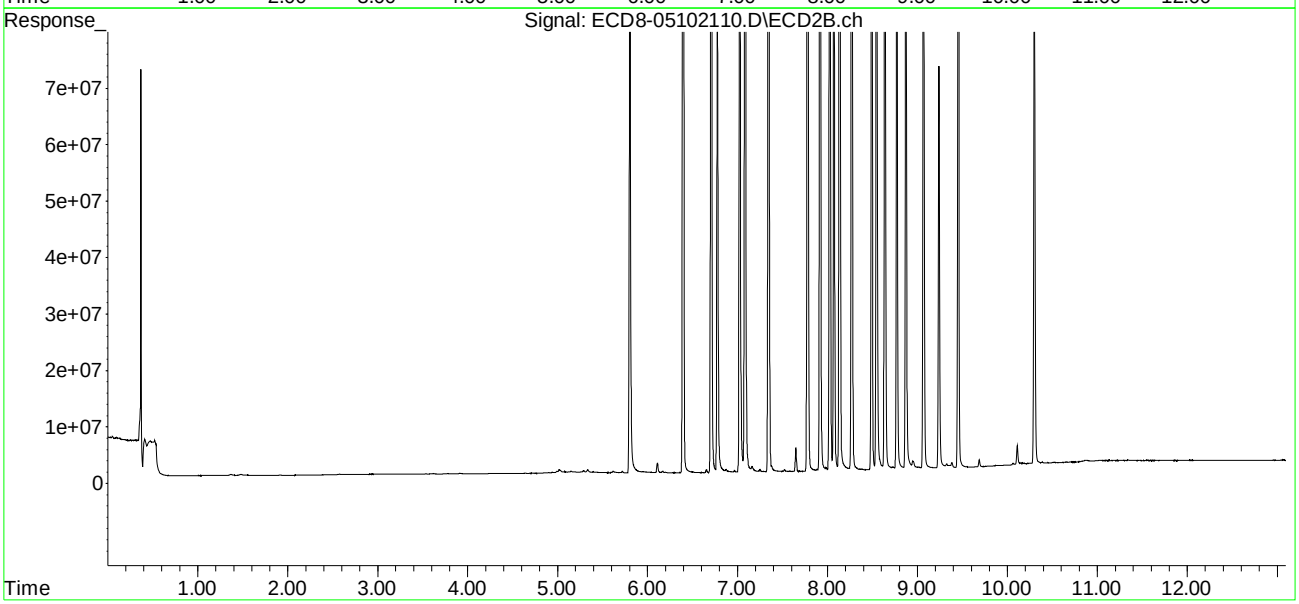
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:38
Operator : MJB
Sample : 1E10032-CCV3
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:57:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:38
Operator : MJB
Sample : 1E10032-CCV3
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Q-14

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:57:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.487	5.804	148.4E6	155.2E6	46.281	45.603	
22) S	DCBP (S)	9.714	10.299	99658572	97711153	50.421	56.399	
	Target Compounds							
2)	a-BHC	6.037	6.395	210.5E6	226.1E6	49.476	49.885	
3)	g-BHC	6.324	6.708	178.9E6	201.1E6	49.297	51.506	
4)	b-BHC	6.407	6.778	69302899	79596705	44.312	47.432	
5)	Heptachlor	6.725	7.083	185.2E6	199.6E6	53.997	54.126	
6)	d-BHC	6.559	7.024	158.8E6	188.4E6	47.026	48.476	
7)	Aldrin	6.966	7.344	174.5E6	188.6E6	50.760	53.611	
8)	Heptachlo...	7.436	7.778	165.1E6	174.0E6	52.355	52.591	
9)	trans-Chl...	7.528	7.918	166.5E6	173.6E6	51.686	51.502	
10)	cis-Chlor...	7.626	8.025	161.0E6	165.5E6	51.079	51.056	
11)	Endosulfa...	7.728	8.072	153.2E6	156.2E6	52.833	51.914	
12)	4,4'-DDE	7.683	8.133	158.8E6	163.9E6	46.110	46.621	
13)	Dieldrin	7.902	8.270	169.8E6	181.6E6	53.537	55.207	
14)	Endrin	8.070	8.490	150.4E6	154.6E6	58.148	58.065	
15)	4,4'-DDD	8.112	8.546	126.7E6	136.8E6	46.821	48.402	
16)	Endosulfa...	8.232	8.638	130.4E6	132.4E6	51.832	49.593	
17)	4,4'-DDT	8.309	8.770	138.3E6	146.0E6	56.425	56.779	
18)	Endrin Al...	8.528	8.872	113.3E6	115.1E6	51.682	46.855	
19)	Endosulfa...	8.833	9.067	127.0E6	132.2E6	50.773	49.524	
20)	Methoxychlor	8.646	9.238	67044972	71129161	53.592	54.062	
21)	Endrin Ke...	9.033	9.453	155.6E6	161.4E6	52.226	55.548	
23)	Hexachlor...	0.000	3.537	0	94325	N.D.	0.024	#
24)	Hexachlor...	5.873	6.286	303823	28495	0.093	0.008	#
25)	Oxychlordane	7.370	7.746	729500	16896	0.265	0.006	#
26)	2,4'-DDE	7.436	7.918f	165.1E6	173.6E6	73.879	74.693	
27)	trans-Non...	7.626	8.025	161.0E6	165.5E6	50.657	49.221	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.989	8.546	665686	136.8E6	0.330	64.989	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:38
Operator : MJB
Sample : 1E10032-CCV3
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:57:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

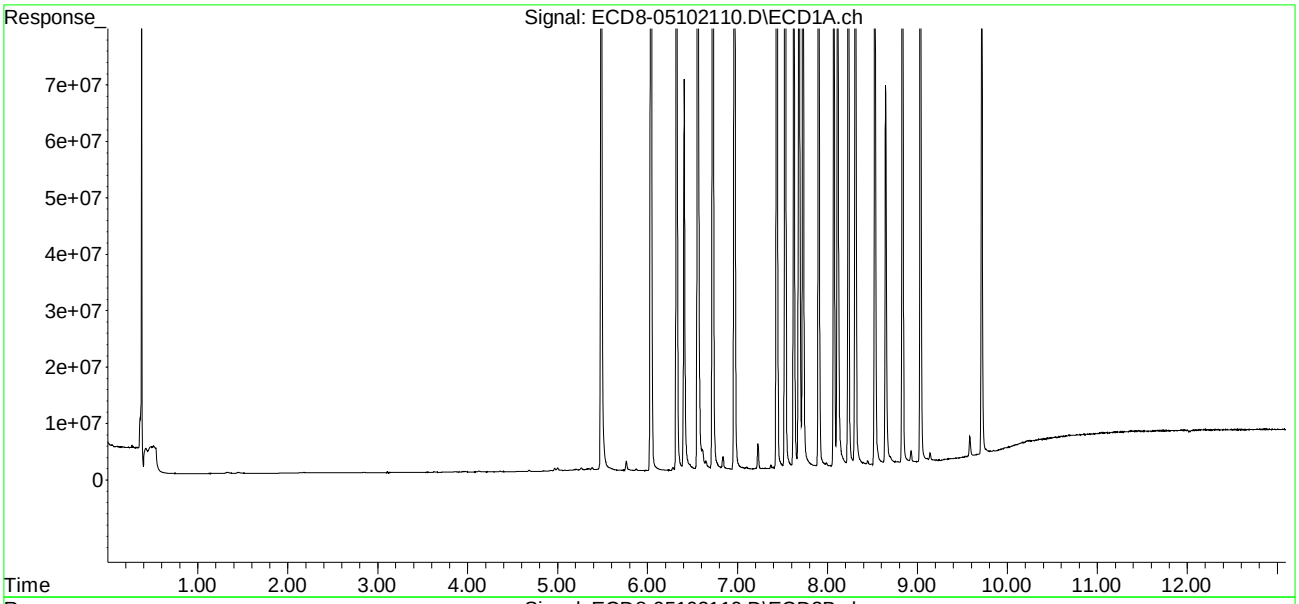
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.112	8.546f	126.7E6	136.8E6	37.764	38.103	
31)	Mirex	8.784	9.453f	270830	161.4E6	21703.266	80.774	#
32)	Chlordane...	0.000	7.985	0	562694	N.D.	1.394	#
33)	Chlordane...	7.683	8.133f	158.8E6	163.9E6	456.724	485.677	
34)	Chlordane...	8.232	8.770	130.4E6	146.0E6	1236.366	1311.061	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.728f	8.422	153.2E6	26087	BelowCal	0.823	
37)	Toxaphene...	7.989	8.770	665686	146.0E6	20.190	3783.246	#
38)	Toxaphene...	8.309	8.770f	138.3E6	146.0E6	2396.447	2528.153	
39)	Toxaphene...	8.528f	8.872	113.3E6	115.1E6	1796.422	1197.484	#
40)	Toxaphene...	8.784	9.015f	270830	262265	5.700	0.971	#
41)	Toxaphene...	8.833f	9.383f	127.0E6	966138	2357.384	16.830	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

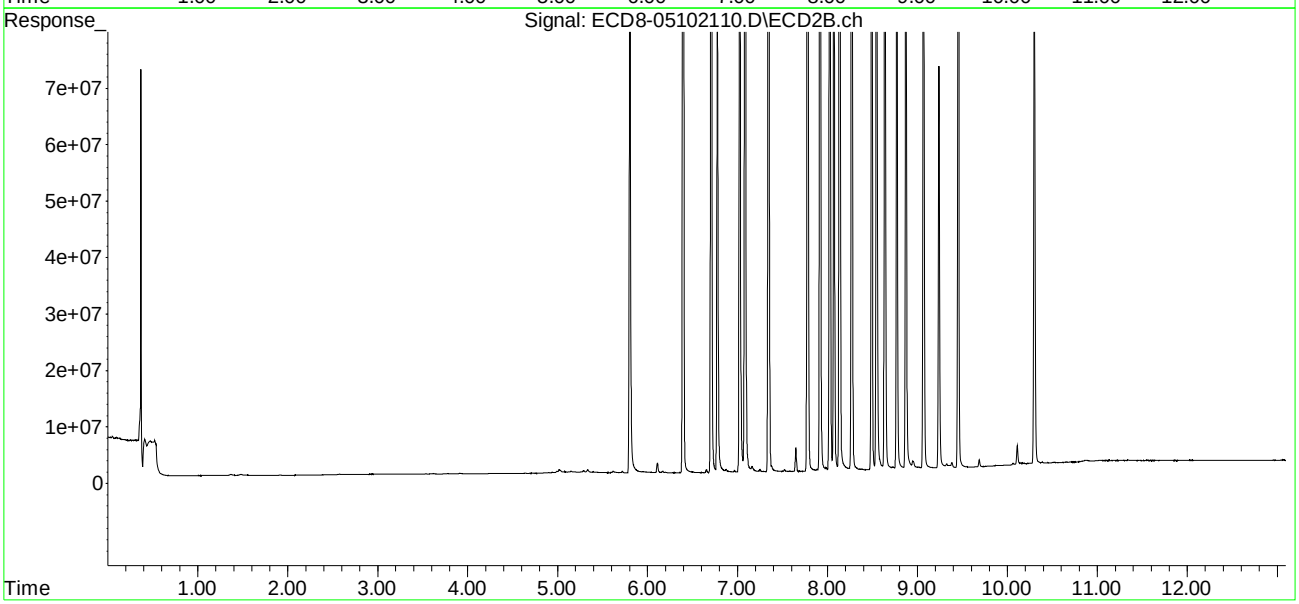
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:38
Operator : MJB
Sample : 1E10032-CCV3
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:57:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:54
Operator : MJB
Sample : 1E10032-CCV4
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:59:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.513	5.840f	232043	1215893	0.072	0.357	#
22) S	DCBP (S)	9.719	10.301	580827	415494	0.005	0.065	#
	Target Compounds							
2)	a-BHC	6.064	0.000	112230	0	0.026	N.D.	#
3)	g-BHC	6.315f	6.711	186454	23133	0.051	0.006	#
4)	b-BHC	6.418	6.786	21586	240980	0.014	BelowCal	#
5)	Heptachlor	6.728	7.085	135211	158590	0.039	0.043	
6)	d-BHC	6.567	7.026	58038	83085	0.017	0.013	#
7)	Aldrin	6.970	7.346	39999	49790	0.012	0.014	
8)	Heptachlo...	7.432	7.816f	89186421	296442	28.279	0.090	#
9)	trans-Chl...	7.529	7.909	1120302	98531818	0.348	29.228	#
10)	cis-Chlor...	7.615f	7.987f	148.2E6	154.8E6	47.007	47.748	
11)	Endosulfa...	7.726	8.069	926256	420678	0.319	0.140	#
12)	4,4'-DDE	7.726f	8.135	926256	554350	0.269	0.158	#
13)	Dieldrin	7.898	8.280	717042	89833479	0.226	27.312	#
14)	Endrin	8.093	8.501	152.1E6	103.5E6	58.777	39.925	#
15)	4,4'-DDD	8.093f	8.543	152.1E6	163.2E6	56.181	57.756	
16)	Endosulfa...	8.232	0.000	310040	0	0.123	N.D.	#
17)	4,4'-DDT	8.311	8.770	216956	96479	0.089	0.005	#
18)	Endrin Al...	8.532	8.883	162291	191209	BelowCal	BelowCal	
19)	Endosulfa...	8.867	9.069	542588	109244	0.217	0.041	#
20)	Methoxychlor	8.667	9.242	66575	40229	0.053	0.031	#
21)	Endrin Ke...	9.050	9.446	50490	97539004	0.017	34.501	#
23)	Hexachlor...	3.268	3.521	125.8E6	147.1E6	36.194	36.697	
24)	Hexachlor...	5.872	6.264	131.8E6	142.4E6	40.422	39.644	
25)	Oxychlordane	7.360	7.711	132.8E6	137.9E6	48.171	46.892	
26)	2,4'-DDE	7.432	7.909	89186421	98531818	39.906	42.389	
27)	trans-Non...	7.615	7.987	148.2E6	154.8E6	46.620	46.032	
28)	2,4'-DDD	7.810	8.280	82059351	89833479	43.306	45.659	
29)	2,4'-DDT	7.991	8.501	97969700	103.5E6	48.574	49.200	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:54
Operator : MJB
Sample : 1E10032-CCV4
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:59:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

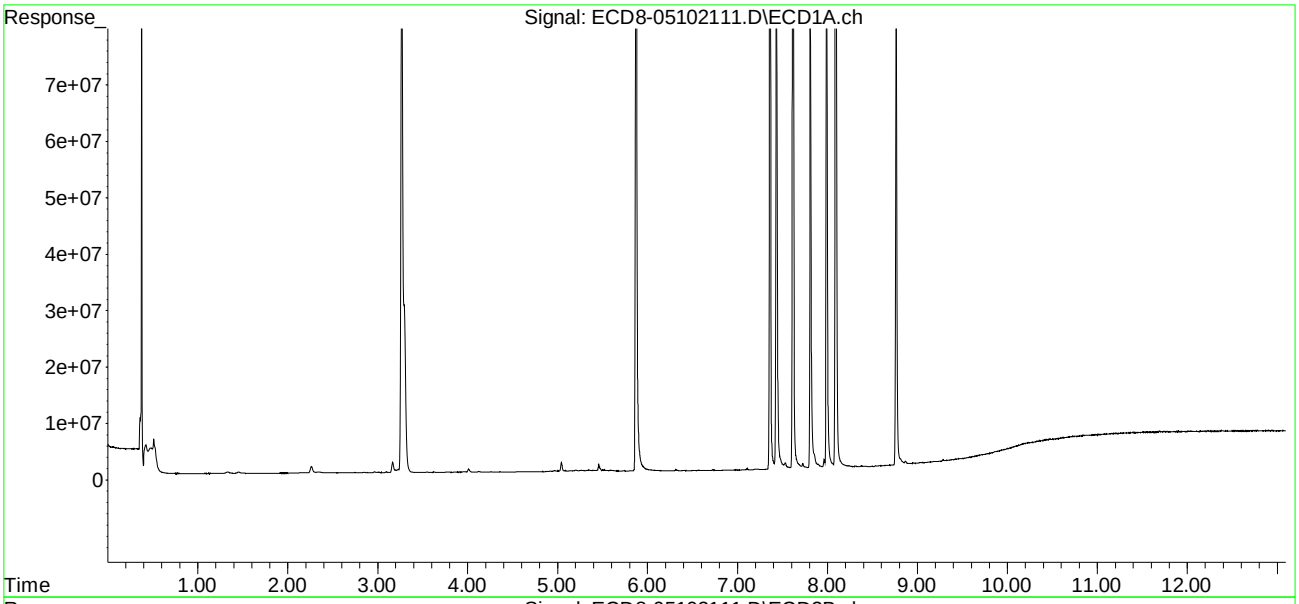
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.093	8.543	152.1E6	163.2E6	45.313	45.466	
31)	Mirex	8.763	9.446	95196455	97539004	47.912	49.835	
32)	Chlordane...	7.615f	7.987	148.2E6	154.8E6	423.611	383.578	
33)	Chlordane...	0.000	8.135f	0	554350	N.D.	1.643	#
34)	Chlordane...	8.232	8.770	310040	96479	2.939	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.726	8.388f	926256	949626	62.084	29.958	#
37)	Toxaphene...	7.991	8.770	97969700	96479	BelowCal	2.500	
38)	Toxaphene...	8.311	8.770f	216956	96479	3.759	1.670	#
39)	Toxaphene...	8.574	8.883f	132263	191209	2.097	BelowCal	#
40)	Toxaphene...	8.763f	9.025	95196455	18205	2003.404	BelowCal	#
41)	Toxaphene...	8.867	9.403	542588	92913	10.072	1.619	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

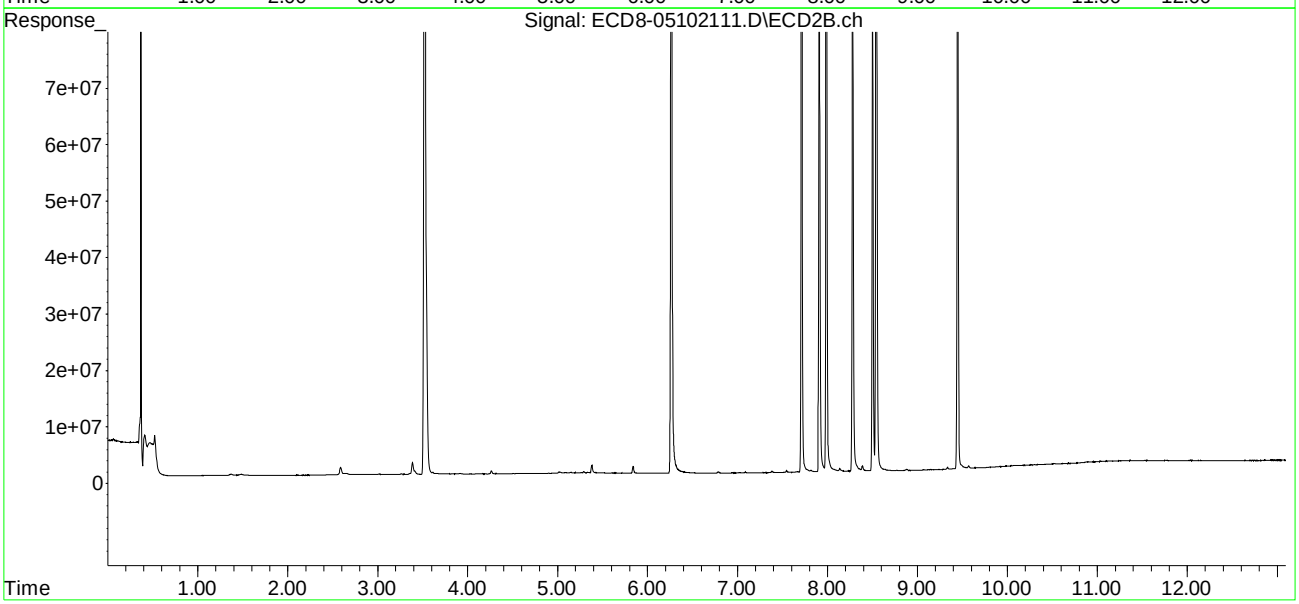
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:54
Operator : MJB
Sample : 1E10032-CCV4
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:59:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch

Q-14

Acq On : 10 May 2021 11:54
Operator : MJB
Sample : 1E10032-CCV4
Misc : A21C331, 9-42 Mix 50 ppb

MJB 5/10/21

ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:59:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.513	5.840f	232043	1215893	0.072	0.357	#
22) S	DCBP (S)	9.719	10.301	580827	415494	0.005	0.065	#
	Target Compounds							
2)	a-BHC	6.064	0.000	112230	0	0.026	N.D.	#
3)	g-BHC	6.315f	6.711	186454	23133	0.051	0.006	#
4)	b-BHC	6.418	6.786	21586	240980	0.014	BelowCal	#
5)	Heptachlor	6.728	7.085	135211	158590	0.039	0.043	
6)	d-BHC	6.567	7.026	58038	83085	0.017	0.013	#
7)	Aldrin	6.970	7.346	39999	49790	0.012	0.014	
8)	Heptachlo...	7.432	7.816f	89186421	296442	28.279	0.090	#
9)	trans-Chl...	7.529	7.909	1120302	98531818	0.348	29.228	#
10)	cis-Chlor...	7.615f	7.987f	148.2E6	154.8E6	47.007	47.748	
11)	Endosulfa...	7.726	8.069	926256	420678	0.319	0.140	#
12)	4,4'-DDE	7.726f	8.135	926256	554350	0.269	0.158	#
13)	Dieldrin	7.898	8.280	717042	89833479	0.226	27.312	#
14)	Endrin	8.093	8.501	152.1E6	103.5E6	58.777	39.925	#
15)	4,4'-DDD	8.093f	8.543	152.1E6	163.2E6	56.181	57.756	
16)	Endosulfa...	8.232	0.000	310040	0	0.123	N.D.	#
17)	4,4'-DDT	8.311	8.770	216956	96479	0.089	0.005	#
18)	Endrin Al...	8.532	8.883	162291	191209	BelowCal	BelowCal	
19)	Endosulfa...	8.867	9.069	542588	109244	0.217	0.041	#
20)	Methoxychlor	8.667	9.242	66575	40229	0.053	0.031	#
21)	Endrin Ke...	9.050	9.446	50490	97539004	0.017	34.501	#
23)	Hexachlor...	3.268	3.521	125.8E6	147.1E6	36.194	36.697	
24)	Hexachlor...	5.872	6.264	131.8E6	142.4E6	40.422	39.644	
25)	Oxychlordane	7.360	7.711	132.8E6	137.9E6	48.171	46.892	
26)	2,4'-DDE	7.432	7.909	89186421	98531818	39.906	42.389	
27)	trans-Non...	7.615	7.987	148.2E6	154.8E6	46.620	46.032	
28)	2,4'-DDD	7.810	8.280	82059351	89833479	43.306	45.659	
29)	2,4'-DDT	7.991	8.501	97969700	103.5E6	48.574	49.200	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:54
Operator : MJB
Sample : 1E10032-CCV4
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:59:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

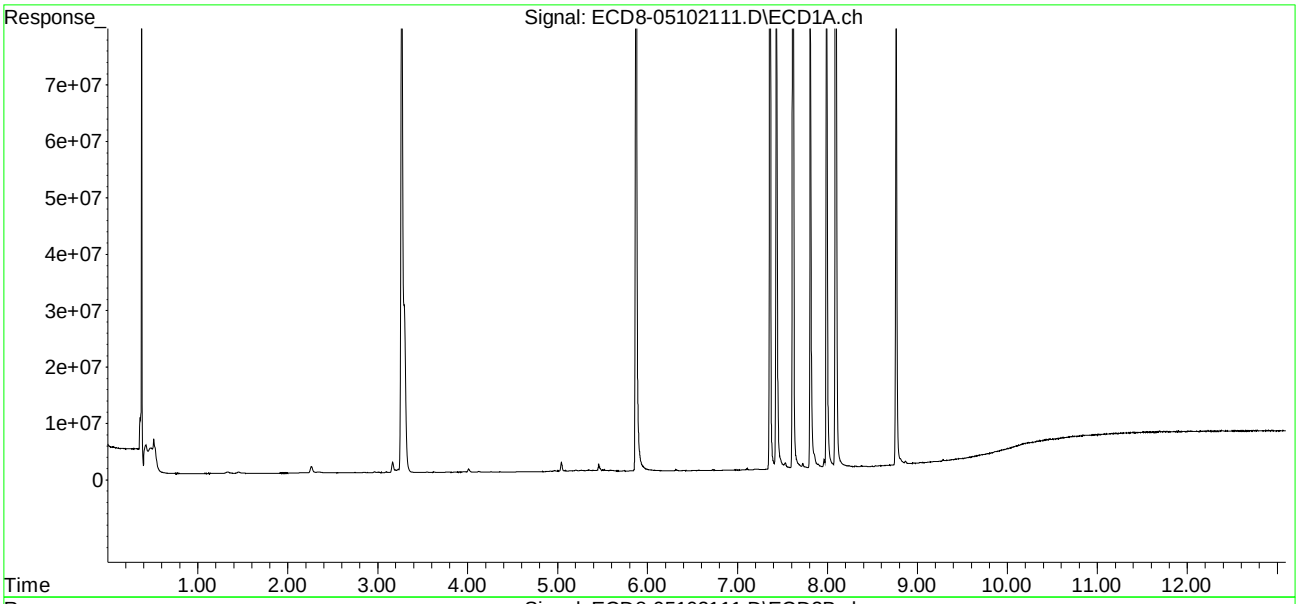
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.093	8.543	152.1E6	163.2E6	45.313	45.466	
31)	Mirex	8.763	9.446	95196455	97539004	47.912	49.835	
32)	Chlordane...	7.615f	7.987	148.2E6	154.8E6	423.611	383.578	
33)	Chlordane...	0.000	8.135f	0	554350	N.D.	1.643	#
34)	Chlordane...	8.232	8.770	310040	96479	2.939	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.726	8.388f	926256	949626	62.084	29.958	#
37)	Toxaphene...	7.991	8.770	97969700	96479	BelowCal	2.500	
38)	Toxaphene...	8.311	8.770f	216956	96479	3.759	1.670	#
39)	Toxaphene...	8.574	8.883f	132263	191209	2.097	BelowCal	#
40)	Toxaphene...	8.763f	9.025	95196455	18205	2003.404	BelowCal	#
41)	Toxaphene...	8.867	9.403	542588	92913	10.072	1.619	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

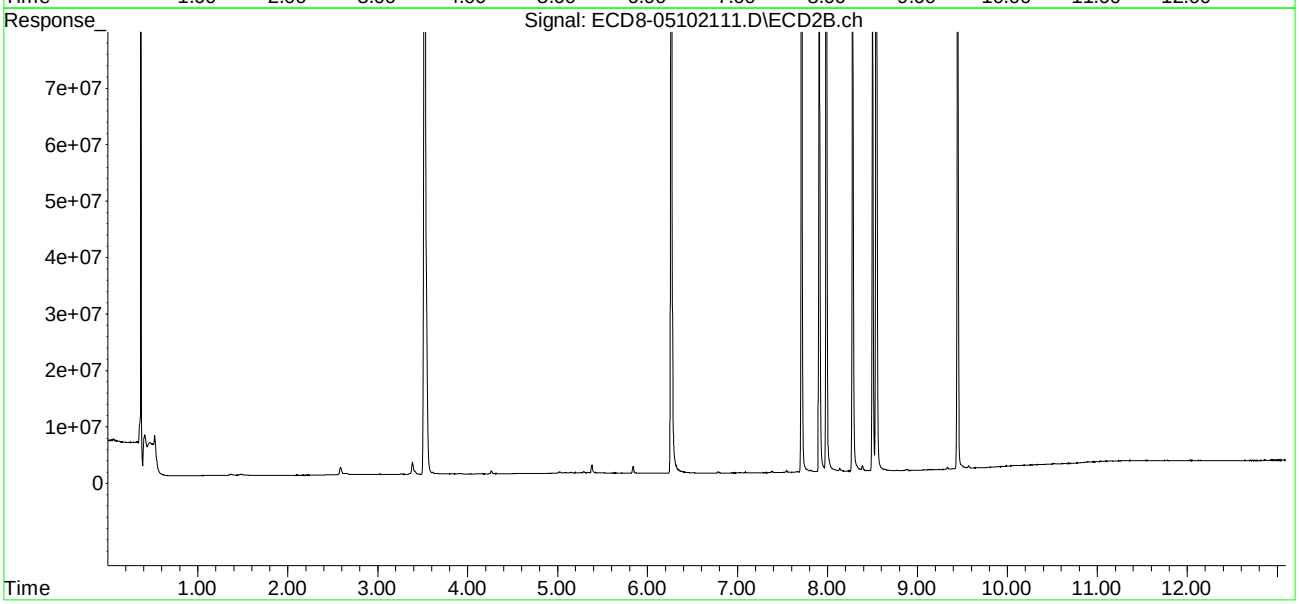
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 11:54
Operator : MJB
Sample : 1E10032-CCV4
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 14:59:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1E10032 BKD3
Data File: ECD8-05102113.D

MJB 5/10/21

First Column Area Counts		Percent Breakdown	
DDE	12038254		
DDD	71213804		
DDT	2797534086	**2.89**	**PASS**
Endrin	1572610683	**5.53**	**PASS**
Endrin Aldehyde	20875928		
Endrin Ketone	71100908		

Second Column Area Counts		Percent Breakdown	
DDE	9075896		
DDD	63285234		
DDT	2789705346	**2.53**	**PASS**
Endrin	1525653567	**5.66**	**PASS**
Endrin Aldehyde	27176901		
Endrin Ketone	64424354		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 12:49
Operator : MJB
Sample : 1E10032-BKD3 MJB 5/10/21
Misc : A21C007
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:01:02 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222RTD.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.683	12038254	NoCal	ng/mL
2)	Endrin	8.070	1572610683	NoCal	ng/mL
3)	4,4'-DDD	8.111	71213804	NoCal	ng/mL
4)	4,4'-DDT	8.308	2797534086	NoCal	ng/mL
5)	Endrin Aldehyde	8.528	20875928	NoCal	ng/mL
6)	Endrin Ketone	9.033	71100908	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.131	9075896	NoCal	ng/mL
9)	Endrin [2C]	8.488	1525653567	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.542	63285234	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.871	27176901	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.768	2789705346	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.452	64424354	NoCal	ng/mL

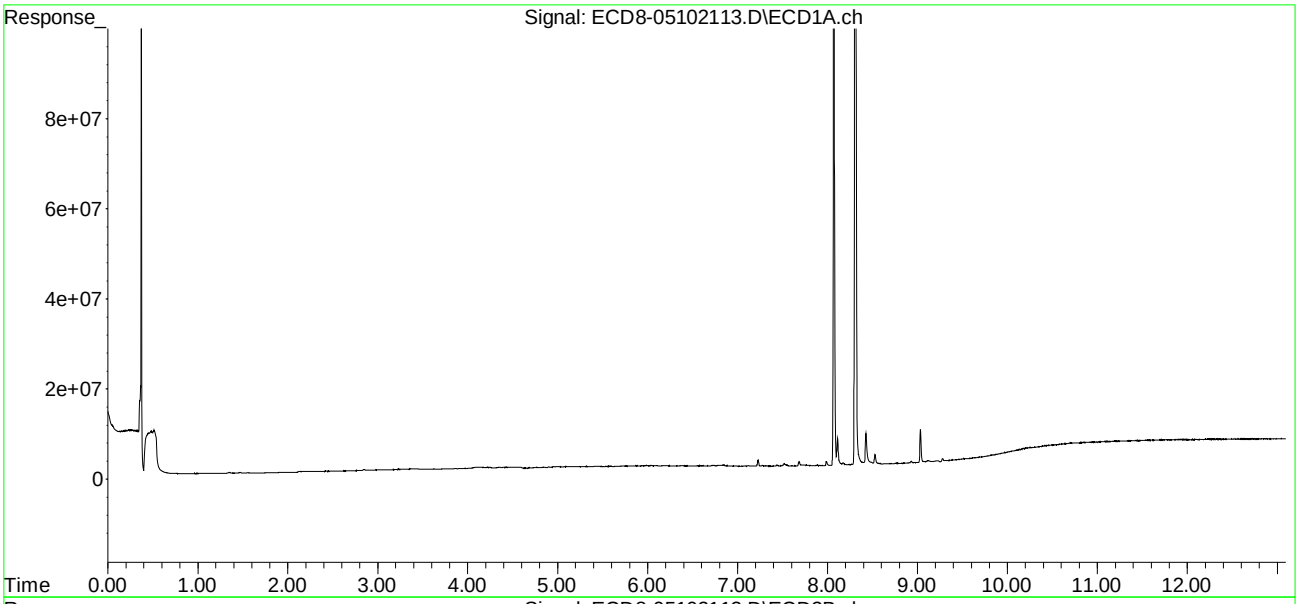
(f)=RT Delta > 1/2 Window (m)=manual int.

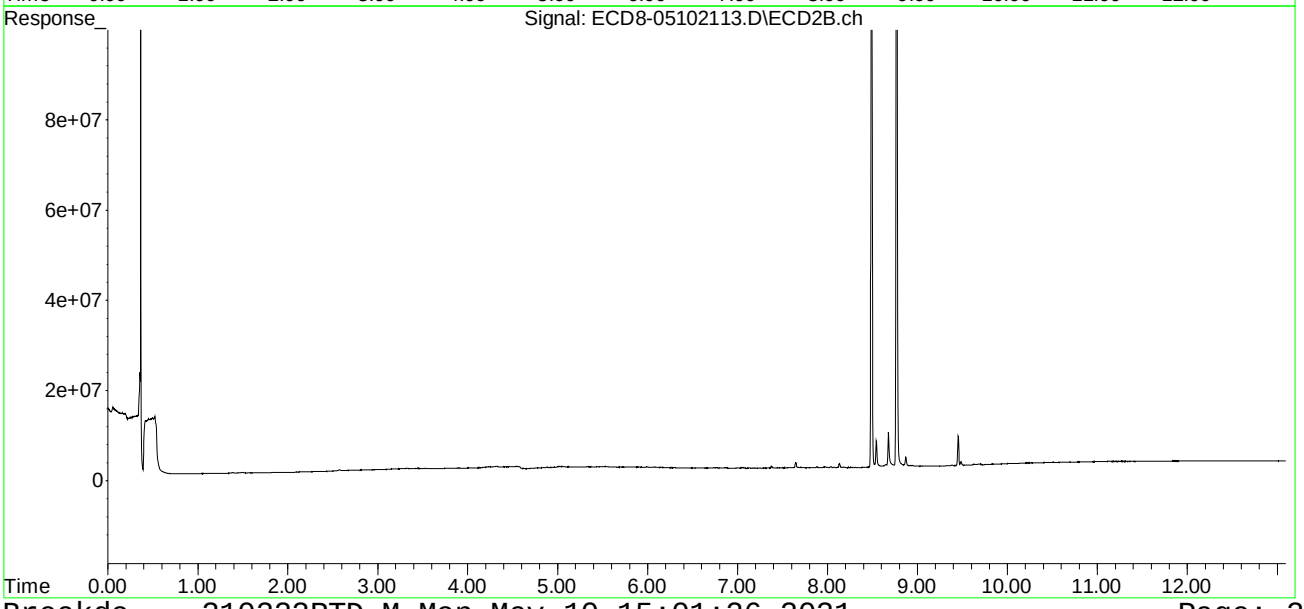
Replaced inlet liner and Siltek seal.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 12:49
Operator : MJB
Sample : 1E10032-BKD3
Misc : A21C007
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:01:02 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222RTD.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:05
Operator : MJB
Sample : 1E10032-CCV5
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:05:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.484	5.801	158.8E6	164.9E6	49.535	48.428	
22) S	DCBP (S)	9.714	10.298	122.1E6	108.7E6	62.213	62.742	
	Target Compounds							
2)	a-BHC	6.036	6.392	226.6E6	251.5E6	53.253	55.490	
3)	g-BHC	6.323	6.706	206.0E6	225.6E6	56.738	57.764	
4)	b-BHC	6.406	6.775	76098000	87936883	48.656	52.225	
5)	Heptachlor	6.723	7.081	203.8E6	225.3E6	59.440	61.086	
6)	d-BHC	6.557	7.021	182.7E6	218.5E6	54.105	55.657	
7)	Aldrin	6.965	7.342	193.5E6	208.5E6	56.276	59.283	
8)	Heptachlo...	7.433	7.775	179.0E6	193.5E6	56.757	58.481	
9)	trans-Chl...	7.526	7.916	181.2E6	190.3E6	56.262	56.446	
10)	cis-Chlor...	7.624	8.022	174.0E6	186.3E6	55.216	57.448	
11)	Endosulfa...	7.725	8.068	168.5E6	174.3E6	58.112	57.921	
12)	4,4'-DDE	7.681	8.131	173.7E6	189.9E6	50.436	54.024	
13)	Dieldrin	7.899	8.267	187.7E6	198.1E6	59.188	60.242	
14)	Endrin	8.068	8.488	171.4E6	173.2E6	66.249	64.445	
15)	4,4'-DDD	8.110	8.543	143.5E6	154.6E6	53.005	54.733	
16)	Endosulfa...	8.230	8.635	147.1E6	152.8E6	58.461	57.224	
17)	4,4'-DDT	8.307	8.767	141.1E6	153.2E6	57.575	59.311	
18)	Endrin Al...	8.526	8.870	126.5E6	127.1E6	57.580	51.683	
19)	Endosulfa...	8.832	9.065	138.3E6	145.7E6	55.292	54.580	
20)	Methoxychlor	8.645	9.237	69082646	74191710	55.221	56.389	
21)	Endrin Ke...	9.031	9.451	171.0E6	176.4E6	57.410	60.345	
23)	Hexachlor...	3.283	3.534	189077	162327	0.054	0.040	#
24)	Hexachlor...	5.871	6.287f	490065	213209	0.150	0.059	#
25)	Oxychlordane	7.367	7.703	722375	42182	0.262	0.014	#
26)	2,4'-DDE	7.433	7.916	179.0E6	190.3E6	80.090	81.863	
27)	trans-Non...	7.624	7.982	174.0E6	592563	54.760	0.176	#
28)	2,4'-DDD	0.000	8.267	0	198.1E6	N.D.	96.986	#
29)	2,4'-DDT	7.987	8.488	569253	173.2E6	0.282	82.298	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:05
Operator : MJB
Sample : 1E10032-CCV5
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:05:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

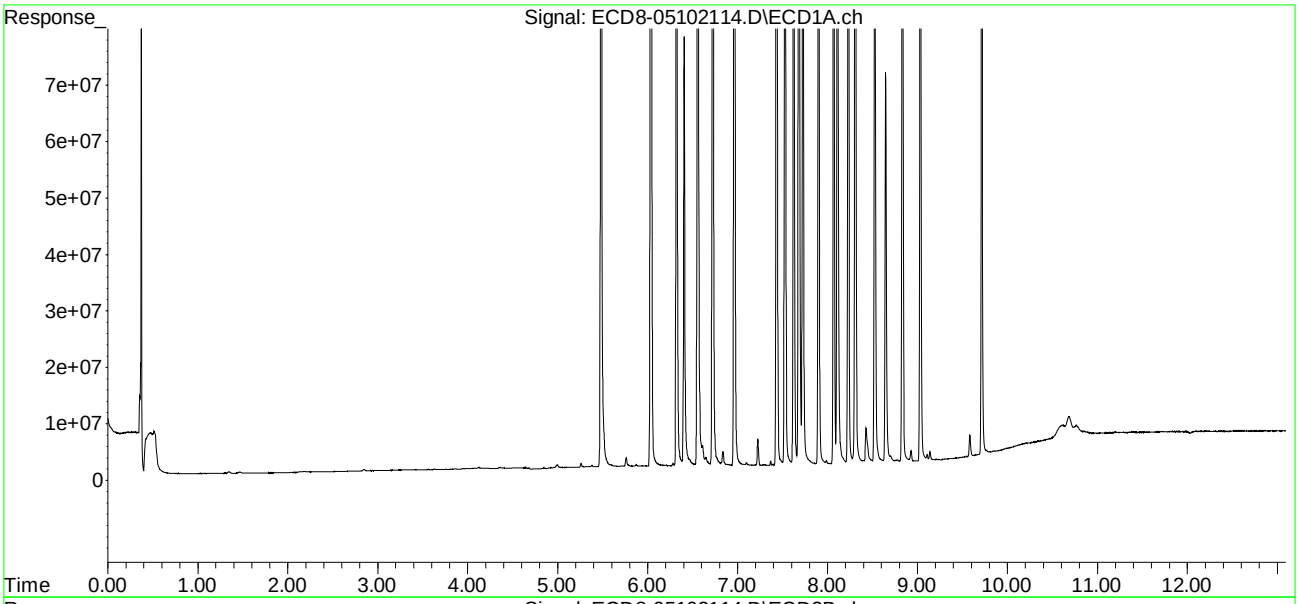
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.110	8.543	143.5E6	154.6E6	42.752	43.087	
31)	Mirex	8.782	9.451	303506	176.4E6	21703.250	87.877	#
32)	Chlordane...	0.000	7.982	0	592563	N.D.	1.468	#
33)	Chlordane...	7.681	8.131f	173.7E6	189.9E6	499.576	562.794	
34)	Chlordane...	8.230	8.767	147.1E6	153.2E6	1394.499	1367.953	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.725	8.384f	168.5E6	91007	BelowCal	2.871	
37)	Toxaphene...	7.987	8.767	569253	153.2E6	17.180	3968.505	#
38)	Toxaphene...	8.307	8.767f	141.1E6	153.2E6	2445.254	2651.952	
39)	Toxaphene...	8.526f	8.870	126.5E6	127.1E6	2004.851	1311.896	#
40)	Toxaphene...	8.782	9.065f	303506	145.7E6	6.387	2442.476	#
41)	Toxaphene...	8.832f	9.381f	138.3E6	922782	2567.202	16.074	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

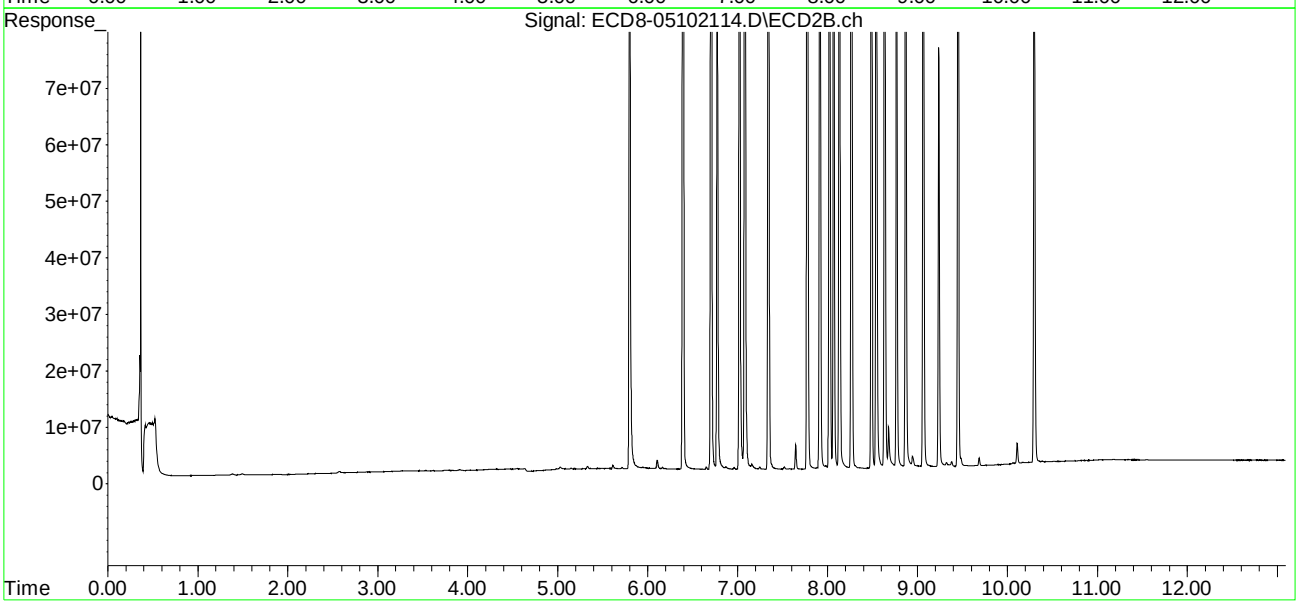
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:05
Operator : MJB
Sample : 1E10032-CCV5
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:05:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:05
Operator : MJB
Sample : 1E10032-CCV5
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:05:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.484	5.801	158.8E6	164.9E6	49.535	48.428	
22) S	DCBP (S)	9.714	10.298	122.1E6	108.7E6	62.213	62.742	Q-41
	Target Compounds							
2)	a-BHC	6.036	6.392	226.6E6	251.5E6	53.253	55.490	
3)	g-BHC	6.323	6.706	206.0E6	225.6E6	56.738	57.764	
4)	b-BHC	6.406	6.775	76098000	87936883	48.656	52.225	
5)	Heptachlor	6.723	7.081	203.8E6	225.3E6	59.440	61.086	Q-41
6)	d-BHC	6.557	7.021	182.7E6	218.5E6	54.105	55.657	
7)	Aldrin	6.965	7.342	193.5E6	208.5E6	56.276	59.283	
8)	Heptachlo...	7.433	7.775	179.0E6	193.5E6	56.757	58.481	
9)	trans-Chl...	7.526	7.916	181.2E6	190.3E6	56.262	56.446	
10)	cis-Chlor...	7.624	8.022	174.0E6	186.3E6	55.216	57.448	
11)	Endosulfa...	7.725	8.068	168.5E6	174.3E6	58.112	57.921	
12)	4,4'-DDE	7.681	8.131	173.7E6	189.9E6	50.436	54.024	
13)	Dieldrin	7.899	8.267	187.7E6	198.1E6	59.188	60.242	
14)	Endrin	8.068	8.488	171.4E6	173.2E6	66.249	64.445	Q-41
15)	4,4'-DDD	8.110	8.543	143.5E6	154.6E6	53.005	54.733	
16)	Endosulfa...	8.230	8.635	147.1E6	152.8E6	58.461	57.224	
17)	4,4'-DDT	8.307	8.767	141.1E6	153.2E6	57.575	59.311	
18)	Endrin Al...	8.526	8.870	126.5E6	127.1E6	57.580	51.683	
19)	Endosulfa...	8.832	9.065	138.3E6	145.7E6	55.292	54.580	
20)	Methoxychlor	8.645	9.237	69082646	74191710	55.221	56.389	
21)	Endrin Ke...	9.031	9.451	171.0E6	176.4E6	57.410	60.345	Q-41
23)	Hexachlor...	3.283	3.534	189077	162327	0.054	0.040	#
24)	Hexachlor...	5.871	6.287f	490065	213209	0.150	0.059	#
25)	Oxychlordane	7.367	7.703	722375	42182	0.262	0.014	#
26)	2,4'-DDE	7.433	7.916	179.0E6	190.3E6	80.090	81.863	
27)	trans-Non...	7.624	7.982	174.0E6	592563	54.760	0.176	#
28)	2,4'-DDD	0.000	8.267	0	198.1E6	N.D.	96.986	#
29)	2,4'-DDT	7.987	8.488	569253	173.2E6	0.282	82.298	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:05
Operator : MJB
Sample : 1E10032-CCV5
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:05:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

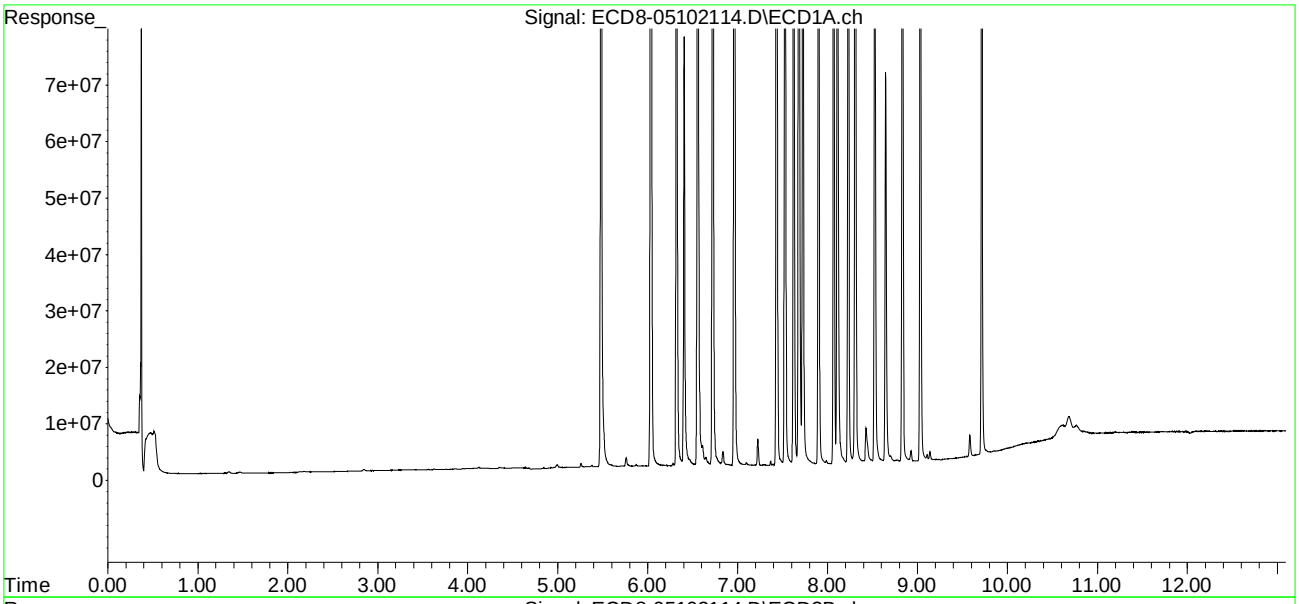
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.110	8.543	143.5E6	154.6E6	42.752	43.087	
31)	Mirex	8.782	9.451	303506	176.4E6	21703.250	87.877	#
32)	Chlordane...	0.000	7.982	0	592563	N.D.	1.468	#
33)	Chlordane...	7.681	8.131f	173.7E6	189.9E6	499.576	562.794	
34)	Chlordane...	8.230	8.767	147.1E6	153.2E6	1394.499	1367.953	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.725	8.384f	168.5E6	91007	BelowCal	2.871	
37)	Toxaphene...	7.987	8.767	569253	153.2E6	17.180	3968.505	#
38)	Toxaphene...	8.307	8.767f	141.1E6	153.2E6	2445.254	2651.952	
39)	Toxaphene...	8.526f	8.870	126.5E6	127.1E6	2004.851	1311.896	#
40)	Toxaphene...	8.782	9.065f	303506	145.7E6	6.387	2442.476	#
41)	Toxaphene...	8.832f	9.381f	138.3E6	922782	2567.202	16.074	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

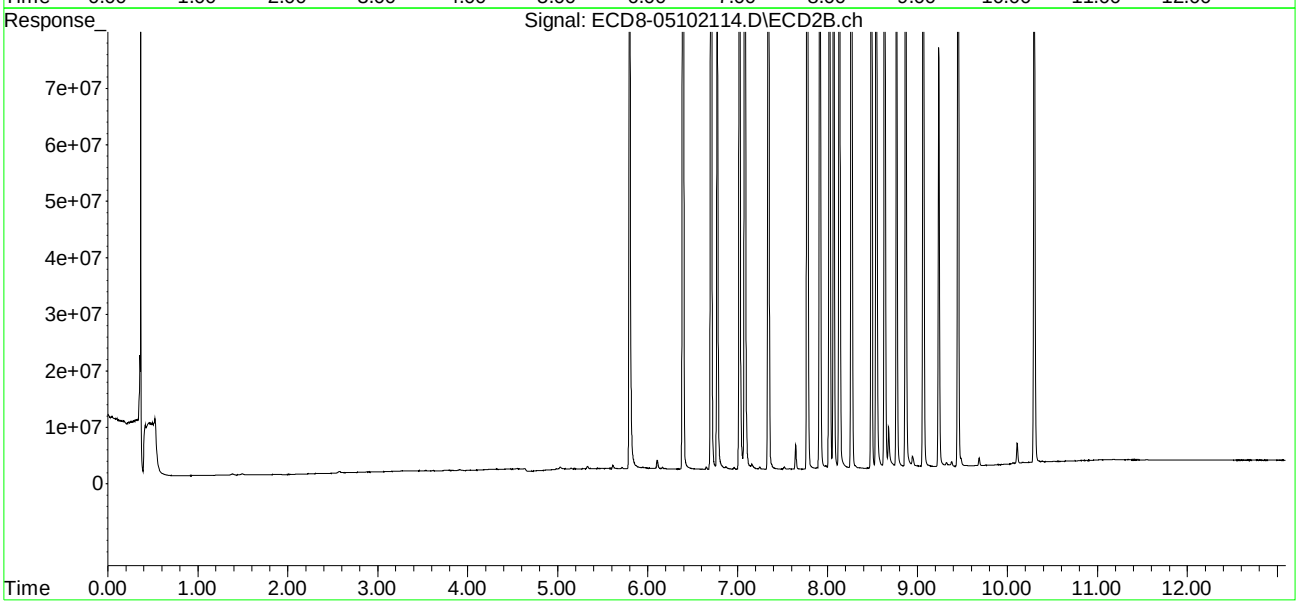
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:05
Operator : MJB
Sample : 1E10032-CCV5
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:05:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:22
Operator : MJB
Sample : 1E10032-CCV6
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:08:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.504f	5.814	213554	192576	0.067	0.057	
22) S	DCBP (S)	0.000	10.297	0	452134	N.D.	0.086	#
	Target Compounds							
2)	a-BHC	6.037	0.000	405712	0	0.095	N.D.	#
3)	g-BHC	6.317	6.684f	332742	21882	0.092	0.006	#
4)	b-BHC	6.401	6.784	206521	234989	0.132	BelowCal	#
5)	Heptachlor	6.727	7.082	256495	133014	0.075	0.036	#
6)	d-BHC	6.566	7.022	202530	74041	0.060	0.010	#
7)	Aldrin	6.985f	7.346	89007	37159	0.026	0.011	#
8)	Heptachlo...	7.429	7.814f	101.2E6	354722	32.100	0.107	#
9)	trans-Chl...	7.527	7.907	1075757	107.8E6	0.334	31.966	#
10)	cis-Chlor...	7.613	7.985f	160.3E6	168.4E6	50.858	51.924	
11)	Endosulfa...	7.724	8.088	766461	250089	0.264	0.083	#
12)	4,4'-DDE	0.000	8.133	0	445385	N.D.	0.127	#
13)	Dieldrin	7.894	8.277	590078	95995456	0.186	29.185	#
14)	Endrin	8.091f	8.499	170.3E6	109.9E6	65.835	42.250	#
15)	4,4'-DDD	8.091	8.541	170.3E6	180.4E6	62.927	63.852	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.309	8.767	60639	248084	0.025	0.070	#
18)	Endrin Al...	8.526	8.881	288820	199028	BelowCal	BelowCal	
19)	Endosulfa...	8.866f	9.067	566537	71013	0.227	0.027	#
20)	Methoxychlor	8.643	9.235	24483	19824	0.020	0.015	
21)	Endrin Ke...	9.031	9.444	74416	107.9E6	0.025	37.990	#
23)	Hexachlor...	3.266	3.518	169.8E6	201.3E6	48.832	50.199	
24)	Hexachlor...	5.870	6.262	135.1E6	146.0E6	41.432	40.664	
25)	Oxychlordane	7.358	7.709	146.8E6	151.2E6	53.244	51.416	
26)	2,4'-DDE	7.429	7.907	101.2E6	107.8E6	45.297	46.360	
27)	trans-Non...	7.613	7.985	160.3E6	168.4E6	50.438	50.057	
28)	2,4'-DDD	7.807	8.277	90387232	95995456	47.701	48.685	
29)	2,4'-DDT	7.989	8.499	105.6E6	109.9E6	52.375	52.244	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:22
Operator : MJB
Sample : 1E10032-CCV6
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:08:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

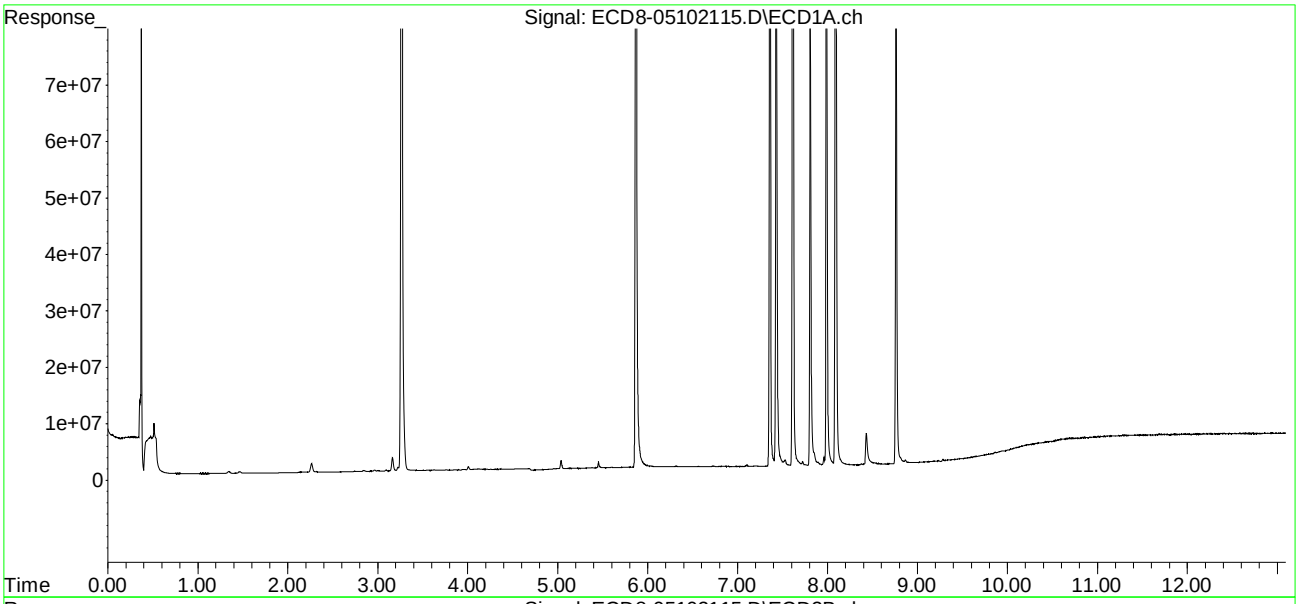
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.091	8.541	170.3E6	180.4E6	50.755	50.265	
31)	Mirex	8.762	9.444	106.0E6	107.9E6	53.393	54.938	
32)	Chlordane...	7.613f	7.985	160.3E6	168.4E6	458.309	417.120	
33)	Chlordane...	0.000	8.088	0	250089	N.D.	0.741	#
34)	Chlordane...	0.000	8.767	0	248084	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.724	8.416	766461	82300	51.177	2.596	#
37)	Toxaphene...	7.989	8.767	105.6E6	248084	BelowCal	6.428	
38)	Toxaphene...	8.338	8.767f	20022	248084	0.347	4.295	#
39)	Toxaphene...	8.569	8.881f	122749	199028	1.946	BelowCal	#
40)	Toxaphene...	8.762f	9.039	106.0E6	12085	2231.156	BelowCal	#
41)	Toxaphene...	8.866	9.407	566537	76499	10.516	1.333	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

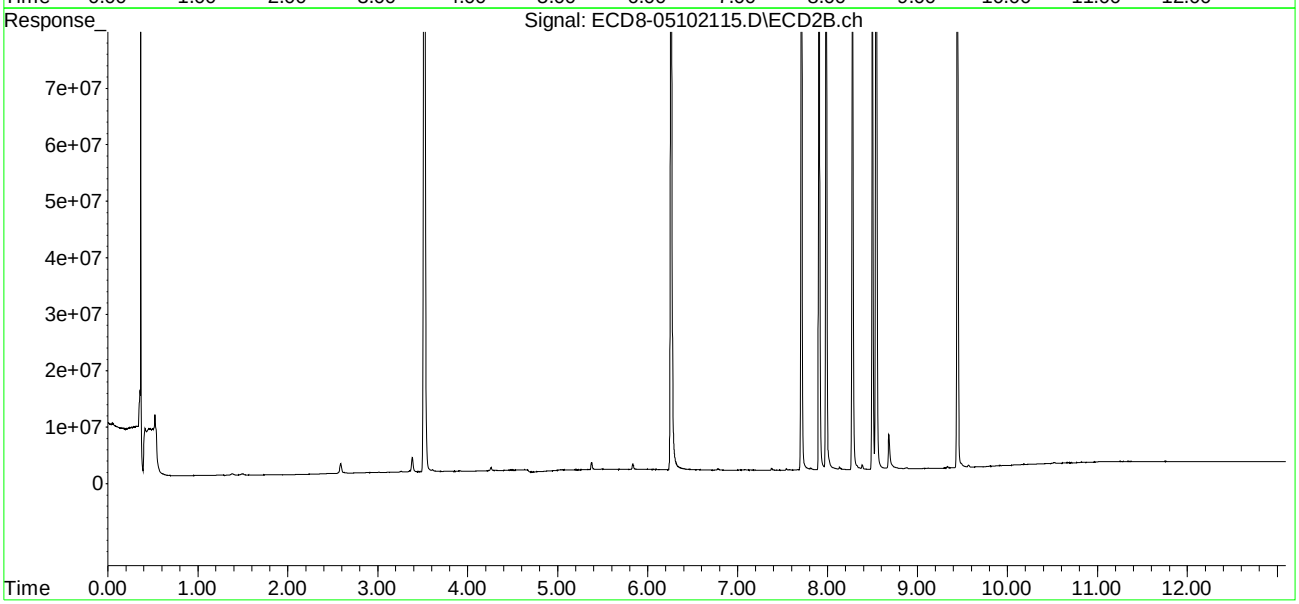
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:22
Operator : MJB
Sample : 1E10032-CCV6
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:08:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:22
Operator : MJB
Sample : 1E10032-CCV6
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:08:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.504f	5.814	213554	192576	0.067	0.057	
22) S	DCBP (S)	0.000	10.297	0	452134	N.D.	0.086	#
	Target Compounds							
2)	a-BHC	6.037	0.000	405712	0	0.095	N.D.	#
3)	g-BHC	6.317	6.684f	332742	21882	0.092	0.006	#
4)	b-BHC	6.401	6.784	206521	234989	0.132	BelowCal	#
5)	Heptachlor	6.727	7.082	256495	133014	0.075	0.036	#
6)	d-BHC	6.566	7.022	202530	74041	0.060	0.010	#
7)	Aldrin	6.985f	7.346	89007	37159	0.026	0.011	#
8)	Heptachlo...	7.429	7.814f	101.2E6	354722	32.100	0.107	#
9)	trans-Chl...	7.527	7.907	1075757	107.8E6	0.334	31.966	#
10)	cis-Chlor...	7.613	7.985f	160.3E6	168.4E6	50.858	51.924	
11)	Endosulfa...	7.724	8.088	766461	250089	0.264	0.083	#
12)	4,4'-DDE	0.000	8.133	0	445385	N.D.	0.127	#
13)	Dieldrin	7.894	8.277	590078	95995456	0.186	29.185	#
14)	Endrin	8.091f	8.499	170.3E6	109.9E6	65.835	42.250	#
15)	4,4'-DDD	8.091	8.541	170.3E6	180.4E6	62.927	63.852	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.309	8.767	60639	248084	0.025	0.070	#
18)	Endrin Al...	8.526	8.881	288820	199028	BelowCal	BelowCal	
19)	Endosulfa...	8.866f	9.067	566537	71013	0.227	0.027	#
20)	Methoxychlor	8.643	9.235	24483	19824	0.020	0.015	
21)	Endrin Ke...	9.031	9.444	74416	107.9E6	0.025	37.990	#
23)	Hexachlor...	3.266	3.518	169.8E6	201.3E6	48.832	50.199	
24)	Hexachlor...	5.870	6.262	135.1E6	146.0E6	41.432	40.664	
25)	Oxychlordane	7.358	7.709	146.8E6	151.2E6	53.244	51.416	
26)	2,4'-DDE	7.429	7.907	101.2E6	107.8E6	45.297	46.360	
27)	trans-Non...	7.613	7.985	160.3E6	168.4E6	50.438	50.057	
28)	2,4'-DDD	7.807	8.277	90387232	95995456	47.701	48.685	
29)	2,4'-DDT	7.989	8.499	105.6E6	109.9E6	52.375	52.244	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:22
Operator : MJB
Sample : 1E10032-CCV6
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:08:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

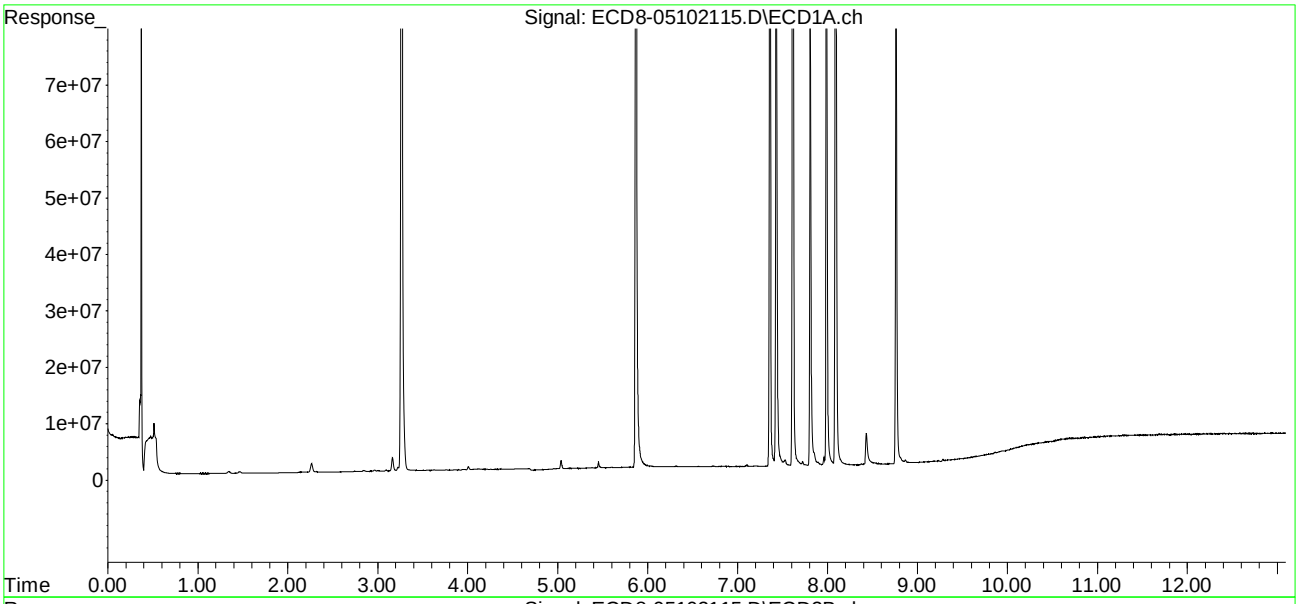
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.091	8.541	170.3E6	180.4E6	50.755	50.265	
31)	Mirex	8.762	9.444	106.0E6	107.9E6	53.393	54.938	
32)	Chlordane...	7.613f	7.985	160.3E6	168.4E6	458.309	417.120	
33)	Chlordane...	0.000	8.088	0	250089	N.D.	0.741	#
34)	Chlordane...	0.000	8.767	0	248084	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.724	8.416	766461	82300	51.177	2.596	#
37)	Toxaphene...	7.989	8.767	105.6E6	248084	BelowCal	6.428	
38)	Toxaphene...	8.338	8.767f	20022	248084	0.347	4.295	#
39)	Toxaphene...	8.569	8.881f	122749	199028	1.946	BelowCal	#
40)	Toxaphene...	8.762f	9.039	106.0E6	12085	2231.156	BelowCal	#
41)	Toxaphene...	8.866	9.407	566537	76499	10.516	1.333	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

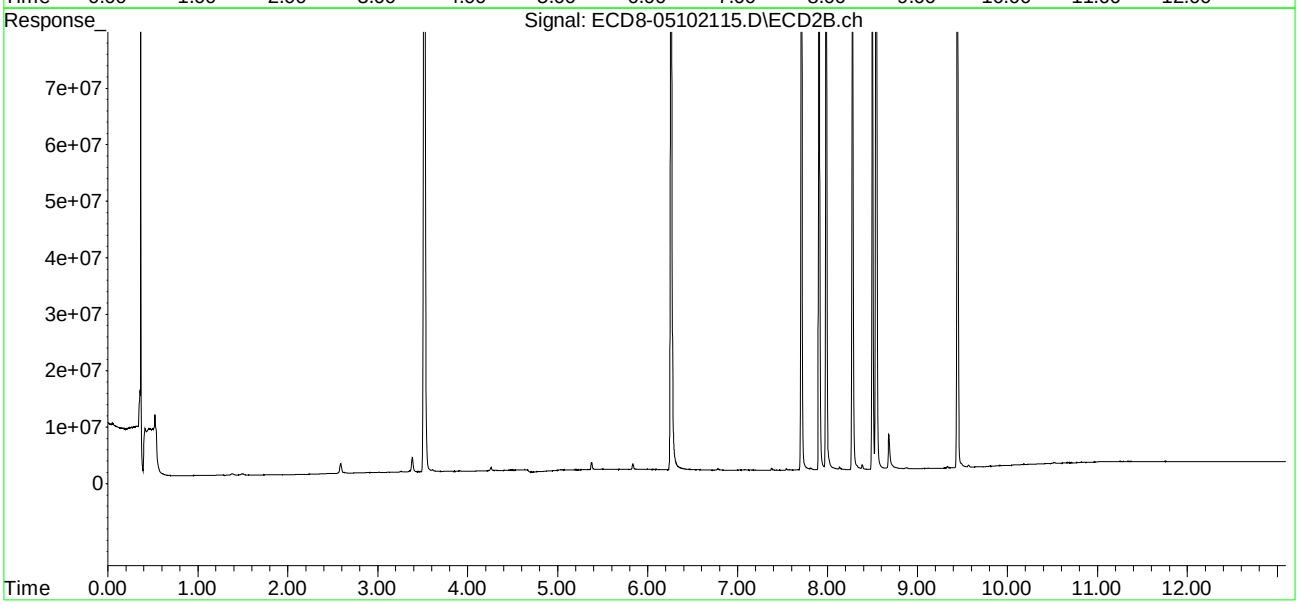
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:22
Operator : MJB
Sample : 1E10032-CCV6
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:08:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.484	5.800	295.2E6	320.2E6	92.073	94.068	
22) S	DCBP (S)	9.713	10.299	217.1E6	219.4E6	114.042	126.028	
	Target Compounds							
2)	a-BHC	6.053	6.390	200753	212428	0.047	0.047	
3)	g-BHC	6.319	6.691	127794	123563	0.035	0.032	
4)	b-BHC	6.403	6.774	151056	123411	0.097	BelowCal	#
5)	Heptachlor	6.731	7.066	119578	85462	0.035	0.023	#
6)	d-BHC	6.568	7.022	116669	73031	0.035	0.010	#
7)	Aldrin	6.993f	7.381f	46152	418515	0.013	0.119	#
8)	Heptachlo...	7.423	7.786	19982	22208	0.006	0.007	
9)	trans-Chl...	7.517	7.917	376617	33186	0.117	0.010	#
10)	cis-Chlor...	7.632	8.020	20365	10312	0.006	0.003	#
11)	Endosulfa...	7.715	8.071	14730	40181	0.005	0.013	#
12)	4,4'-DDE	7.682	8.140	64408	16887	0.019	0.005	#
13)	Dieldrin	7.907	8.269	29296	14876	0.009	0.005	#
14)	Endrin	8.070	8.495	19992	39038	0.008	0.018	#
15)	4,4'-DDD	8.092	8.544	20415	21116	0.008	0.007	
16)	Endosulfa...	8.231	0.000	22341	0	0.009	N.D.	#
17)	4,4'-DDT	8.305	8.803f	11963	146034	0.005	0.026	#
18)	Endrin Al...	8.526	8.869	238832	132815	BelowCal	BelowCal	
19)	Endosulfa...	8.834	9.068	42158	64798	0.017	0.024	#
20)	Methoxychlor	8.650	9.226	34148	54547	0.027	0.041	#
21)	Endrin Ke...	9.038	9.452	41544	106320	0.014	BelowCal	#
23)	Hexachlor...	3.264	3.520	40122	267032	0.012	0.067	#
24)	Hexachlor...	5.871	6.259	533681	278585	0.164	0.078	#
25)	Oxychlordane	7.330f	7.697	41226	45957	0.015	0.016	
26)	2,4'-DDE	7.423	7.904	19982	24945	0.009	0.011	
27)	trans-Non...	7.614	7.983	36089	44973	0.011	0.013	
28)	2,4'-DDD	7.807	8.278	21618	12242	0.011	BelowCal	#
29)	2,4'-DDT	7.993	8.495	15299	39038	0.008	0.019	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

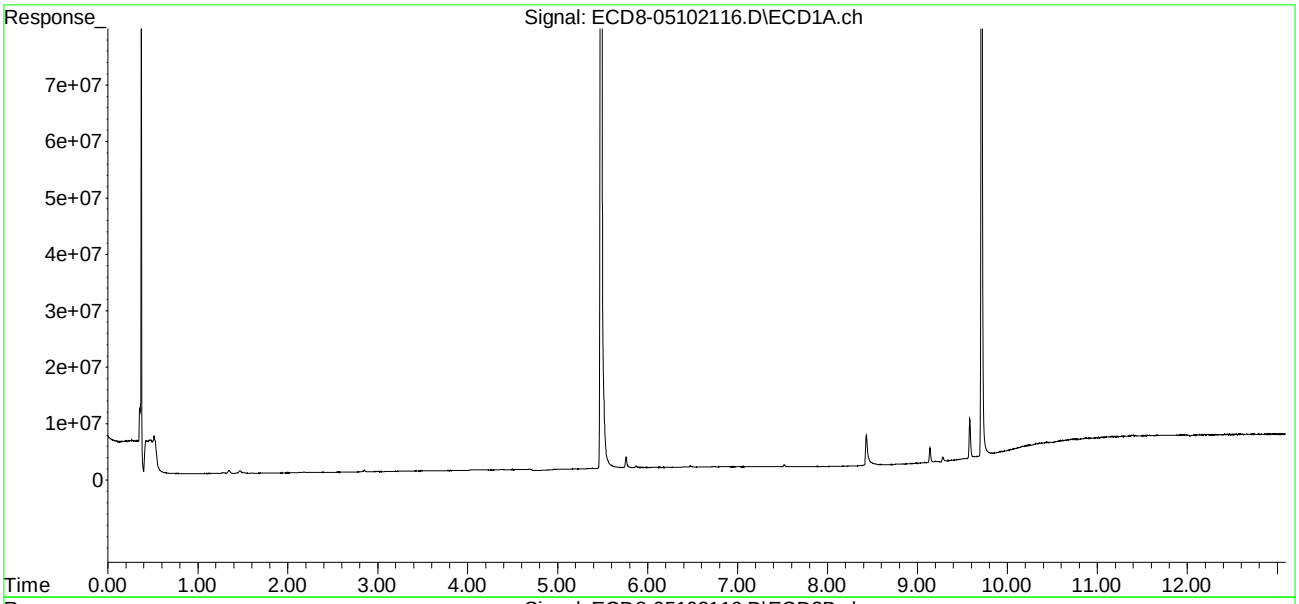
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.092	8.544	20415	21116	0.006	0.006	
31)	Mirex	8.762	9.452	63897	106320	21703.371	BelowCal	#
32)	Chlordane...	7.562	7.983	23416	44973	0.067	0.111	#
33)	Chlordane...	7.682	8.099	64408	11729	0.185	0.035	#
34)	Chlordane...	8.231	0.000	22341	0	0.212	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.706	8.404	13049	21792	15153.274	0.687	#
37)	Toxaphene...	7.993	0.000	15299	0	12094.325	N.D.	#
38)	Toxaphene...	8.313	8.803	6699	146034	0.116	2.528	#
39)	Toxaphene...	8.551	8.869	152929	132815	2.424	BelowCal	#
40)	Toxaphene...	8.802	9.033	20397	39914	0.429	BelowCal	#
41)	Toxaphene...	8.876	9.416	17493	75869	0.325	1.322	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

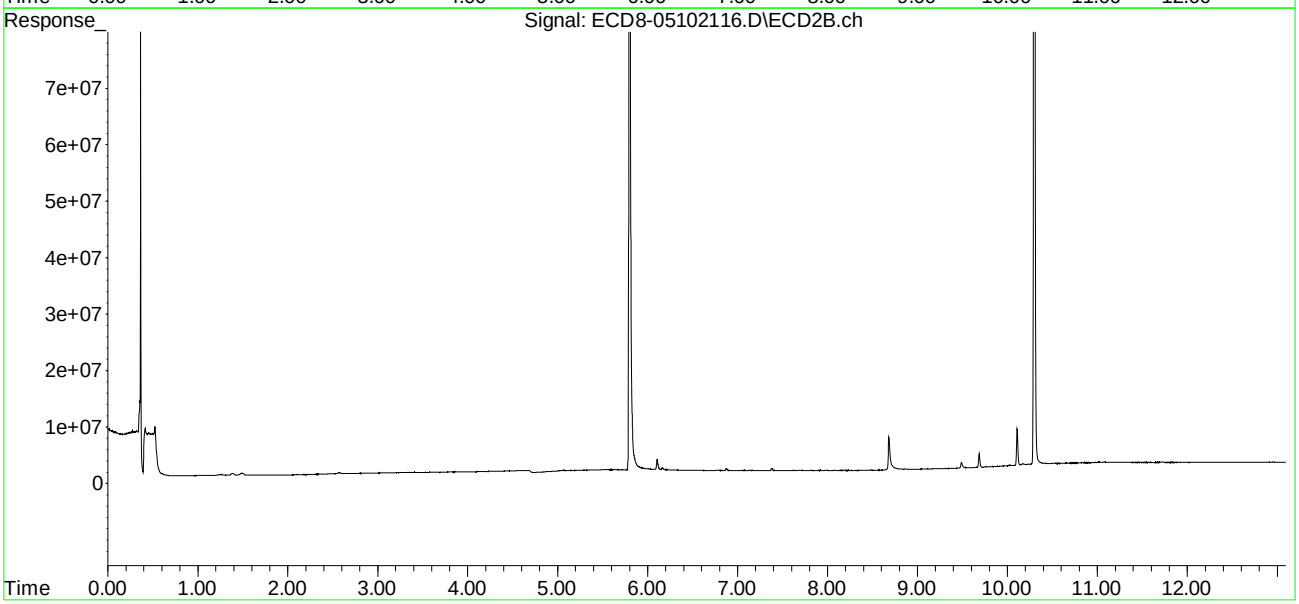
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

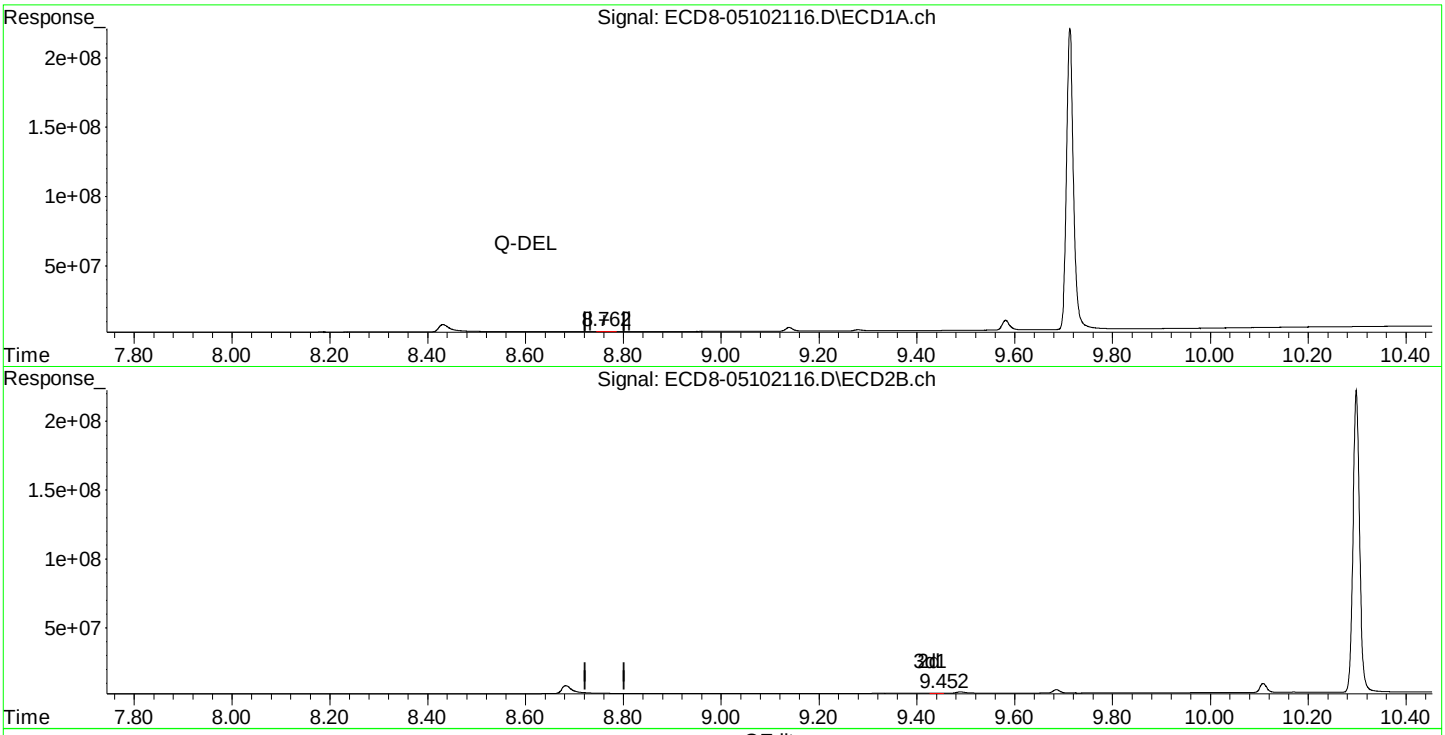




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex
~~8.762min -21703.371 ng/mL~~
response ~~63897~~

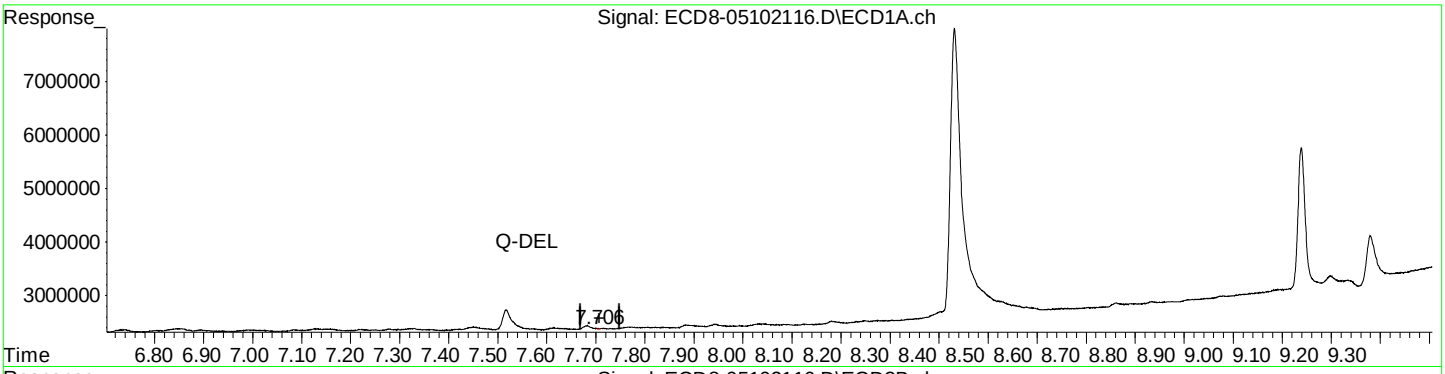
(31) Mirex #2
9.452min -0.381 ng/mL
response 106320

(+) = Expected Retention Time
ECD8_QUANTP..._210222RTD.M Mon May 10 15:10:38 2021 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(36) Toxaphene (1)
~~7.706min 15153.274 ng/mL~~
response ~~13049~~

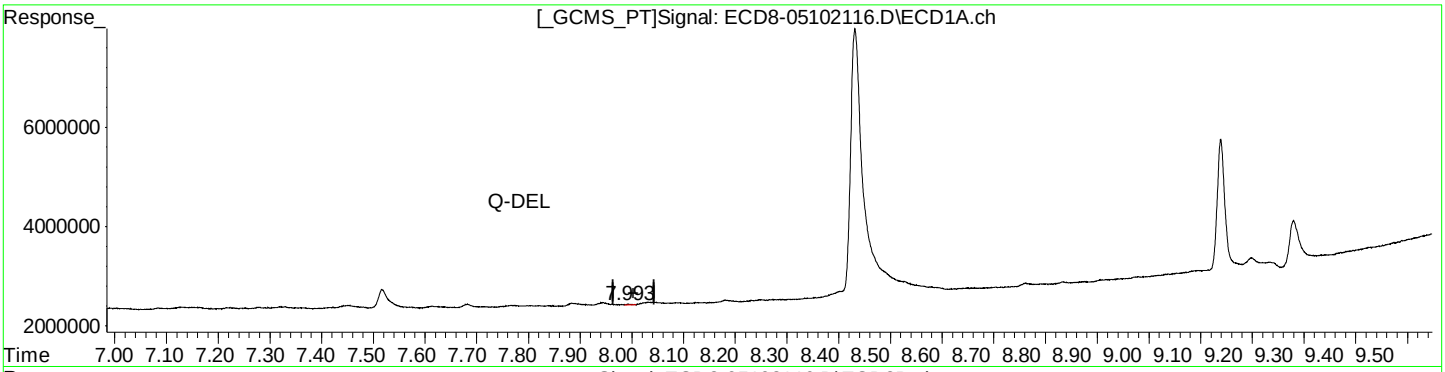
(36) Toxaphene (1) #2
8.404min 0.687 ng/mL
response 21792

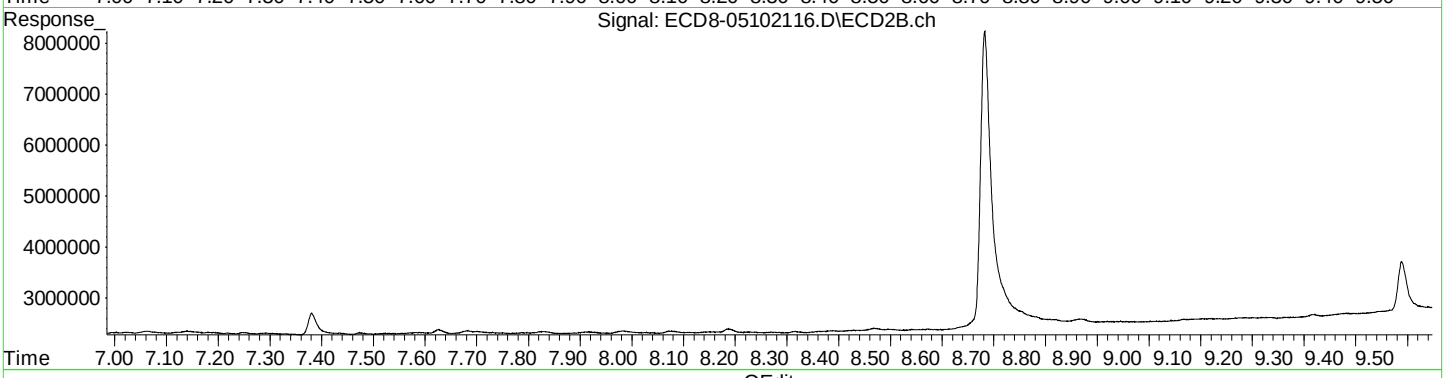
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(37) Toxaphene (2)
~~7.993min 12094.325 ng/mL~~
response ~~15299~~

(37) Toxaphene (2) #2
0.000min 0.000 ng/mL
response 0

(+) = Expected Retention Time
ECD8_QUANTP..._210222RTD.M Mon May 10 15:11:01 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.484	5.800	295.2E6	320.2E6	92.073	94.068	
22) S	DCBP (S)	9.713	10.299	217.1E6	219.4E6	114.042	126.028	
	Target Compounds							
2)	a-BHC	6.053	6.390	200753	212428	0.047	0.047	
3)	g-BHC	6.319	6.691	127794	123563	0.035	0.032	
4)	b-BHC	6.403	6.774	151056	123411	0.097	BelowCal	#
5)	Heptachlor	6.731	7.066	119578	85462	0.035	0.023	#
6)	d-BHC	6.568	7.022	116669	73031	0.035	0.010	#
7)	Aldrin	6.993f	7.381f	46152	418515	0.013	0.119	#
8)	Heptachlo...	7.423	7.786	19982	22208	0.006	0.007	
9)	trans-Chl...	7.517	7.917	376617	33186	0.117	0.010	#
10)	cis-Chlor...	7.632	8.020	20365	10312	0.006	0.003	#
11)	Endosulfa...	7.715	8.071	14730	40181	0.005	0.013	#
12)	4,4'-DDE	7.682	8.140	64408	16887	0.019	0.005	#
13)	Dieldrin	7.907	8.269	29296	14876	0.009	0.005	#
14)	Endrin	8.070	8.495	19992	39038	0.008	0.018	#
15)	4,4'-DDD	8.092	8.544	20415	21116	0.008	0.007	
16)	Endosulfa...	8.231	0.000	22341	0	0.009	N.D.	#
17)	4,4'-DDT	8.305	8.803f	11963	146034	0.005	0.026	#
18)	Endrin Al...	8.526	8.869	238832	132815	BelowCal	BelowCal	
19)	Endosulfa...	8.834	9.068	42158	64798	0.017	0.024	#
20)	Methoxychlor	8.650	9.226	34148	54547	0.027	0.041	#
21)	Endrin Ke...	9.038	9.452	41544	106320	0.014	BelowCal	#
23)	Hexachlor...	3.264	3.520	40122	267032	0.012	0.067	#
24)	Hexachlor...	5.871	6.259	533681	278585	0.164	0.078	#
25)	Oxychlordane	7.330f	7.697	41226	45957	0.015	0.016	
26)	2,4'-DDE	7.423	7.904	19982	24945	0.009	0.011	
27)	trans-Non...	7.614	7.983	36089	44973	0.011	0.013	
28)	2,4'-DDD	7.807	8.278	21618	12242	0.011	BelowCal	#
29)	2,4'-DDT	7.993	8.495	15299	39038	0.008	0.019	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

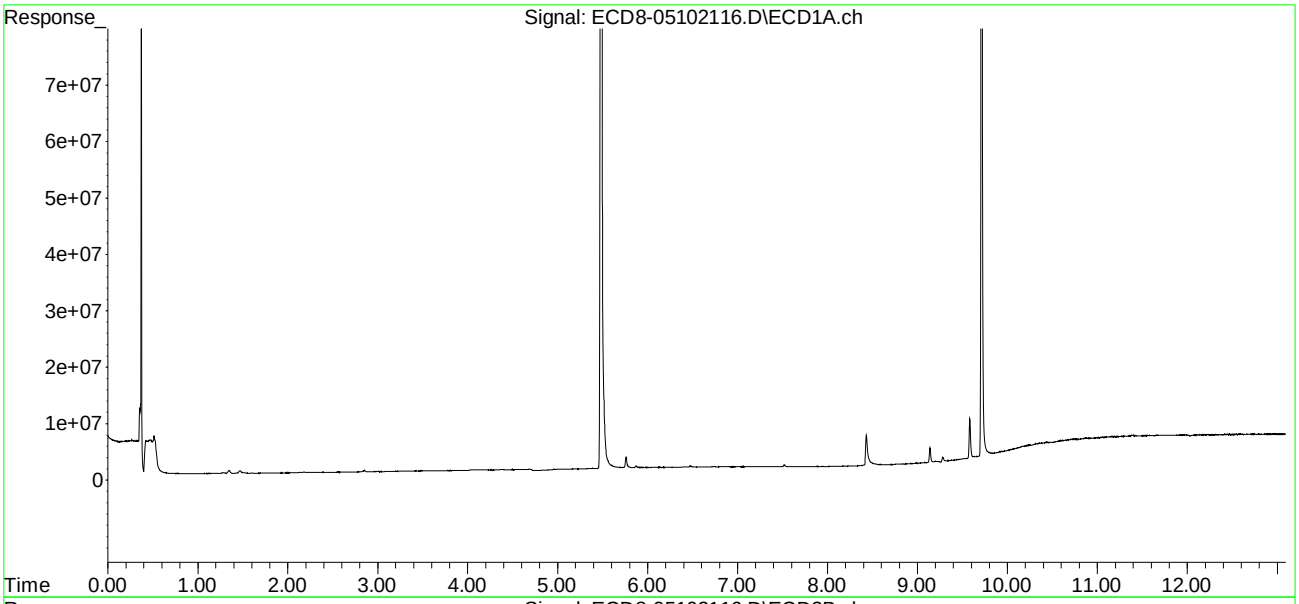
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.092	8.544	20415	21116	0.006	0.006	
31)	Mirex	0.000	9.452	0	106320	N.D. d	BelowCal	
32)	Chlordane...	7.562	7.983	23416	44973	0.067	0.111	#
33)	Chlordane...	7.682	8.099	64408	11729	0.185	0.035	#
34)	Chlordane...	8.231	0.000	22341	0	0.212	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	8.404	0	21792	N.D. d	0.687	
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D.	
38)	Toxaphene...	8.313	8.803	6699	146034	0.116	2.528	#
39)	Toxaphene...	8.551	8.869	152929	132815	2.424	BelowCal	#
40)	Toxaphene...	8.802	9.033	20397	39914	0.429	BelowCal	#
41)	Toxaphene...	8.876	9.416	17493	75869	0.325	1.322	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

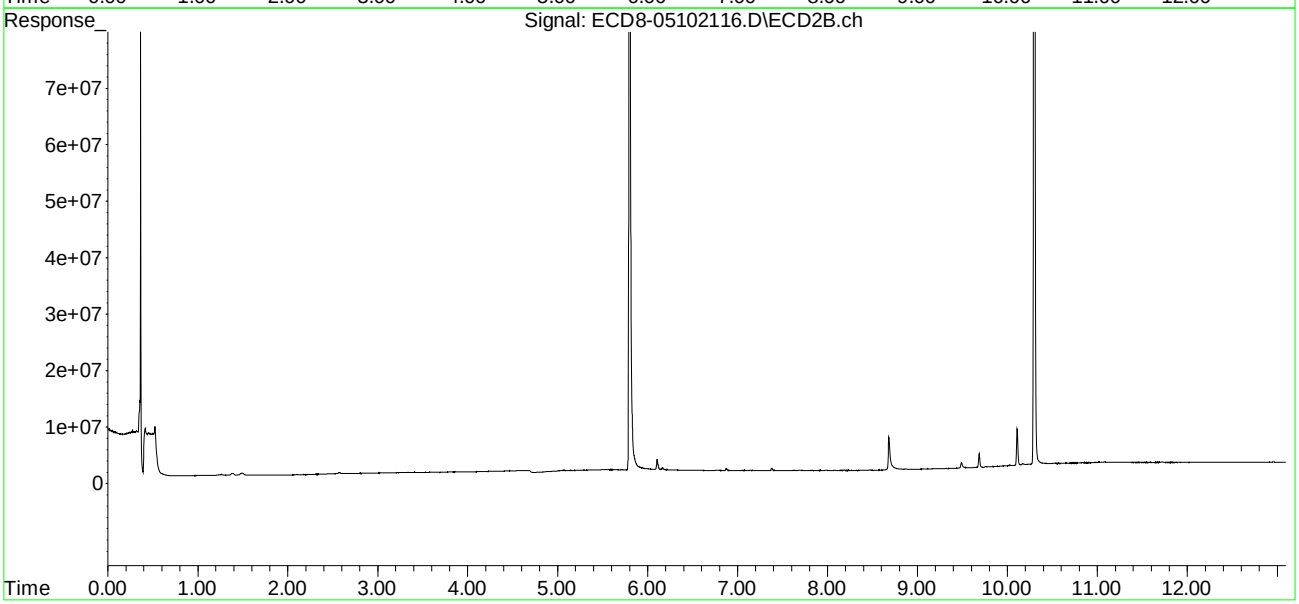
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 13:38
Operator : MJB
Sample : 1E10032-CCB2
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 15:09:42 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 15:49
Operator : MJB
Sample : 1E10032-CCV7
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:10:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.483	5.800	293.6E6	302.8E6	91.572	88.958	
22) S	DCBP (S)	9.715	10.299	224.1E6	225.2E6	117.964	129.353	
	Target Compounds							
2)	a-BHC	6.035	6.392	430.5E6	493.1E6	101.165	108.815	
3)	g-BHC	6.322	6.706	382.1E6	446.0E6	105.257	114.208	
4)	b-BHC	6.405	6.775	142.8E6	170.5E6	91.314	97.942	
5)	Heptachlor	6.722	7.080	395.9E6	445.1E6	115.456	120.688	
6)	d-BHC	6.556	7.021	320.3E6	405.5E6	94.885	97.454	
7)	Aldrin	6.963	7.341	378.9E6	425.0E6	110.213	120.828	
8)	Heptachlo...	7.433	7.775	344.3E6	380.8E6	109.186	115.061	
9)	trans-Chl...	7.525	7.915	352.3E6	389.3E6	109.362	115.494	
10)	cis-Chlor...	7.623	8.022	341.3E6	378.3E6	108.269	116.681	
11)	Endosulfa...	7.724	8.068	321.4E6	352.0E6	110.843	116.949	
12)	4,4'-DDE	7.681	8.131	315.5E6	377.3E6	91.643	107.349	
13)	Dieldrin	7.899	8.266	372.3E6	405.3E6	117.370	123.207	
14)	Endrin	8.067	8.487	319.5E6	339.6E6	123.502	117.481	
15)	4,4'-DDD	8.110	8.543	257.3E6	304.4E6	95.084	107.749	
16)	Endosulfa...	8.229	8.635	281.2E6	307.5E6	111.763	115.143	
17)	4,4'-DDT	8.307	8.768	264.0E6	298.8E6	107.698	107.239	
18)	Endrin Al...	8.525	8.870	241.8E6	257.6E6	107.384	103.283	
19)	Endosulfa...	8.831	9.065	264.3E6	292.7E6	105.656	109.695	
20)	Methoxychlor	8.646	9.238	114.0E6	133.0E6	91.146	101.069	
21)	Endrin Ke...	9.031	9.451	335.4E6	353.1E6	112.596	112.674	
23)	Hexachlor...	3.229f	3.506	6596	8813	0.002	0.002	
24)	Hexachlor...	5.871	6.286f	431669	104050	0.132	0.029	#
25)	Oxychlordane	7.366	7.707	1477911	63067	0.536	0.021	#
26)	2,4'-DDE	7.433	7.915	344.3E6	389.3E6	154.075	167.499	
27)	trans-Non...	7.623	7.981	341.3E6	1238904	107.376	0.368	#
28)	2,4'-DDD	0.000	8.266	0	405.3E6	N.D.	186.052	#
29)	2,4'-DDT	7.986	8.487	1453167	339.6E6	0.720	161.385	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 15:49
Operator : MJB
Sample : 1E10032-CCV7
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:10:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

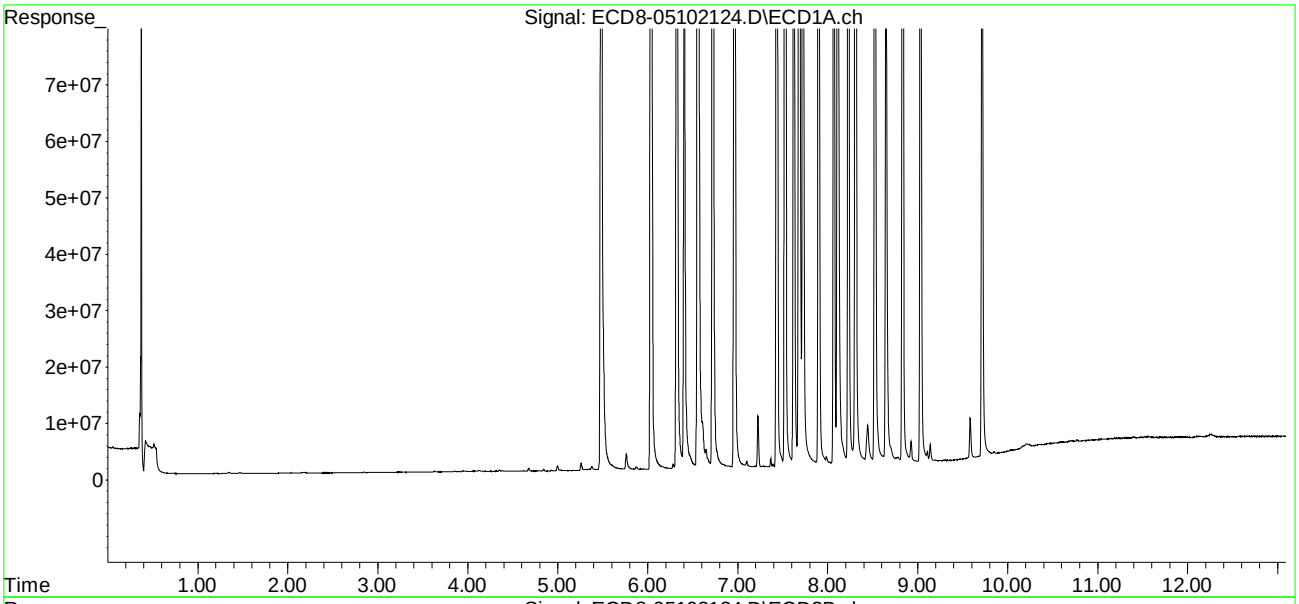
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.110	8.543	257.3E6	304.4E6	76.691	84.822	
31)	Mirex	8.762	9.451	895918	353.1E6	0.274	166.403	#
32)	Chlordane...	0.000	7.981	0	1238904	N.D.	3.070	#
33)	Chlordane...	7.681	8.131f	315.5E6	377.3E6	907.732	1118.299	
34)	Chlordane...	8.229	8.768	281.2E6	298.8E6	2665.941	2423.442	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.724	8.388	321.4E6	365560	BelowCal	11.532	
37)	Toxaphene...	7.986	8.768	1453167	298.8E6	44.826	7742.747	#
38)	Toxaphene...	8.307	8.768f	264.0E6	298.8E6	4574.068	5174.087	
39)	Toxaphene...	8.525f	8.870	241.8E6	257.6E6	3833.715	2464.175	#
40)	Toxaphene...	8.780	9.019	949052	1000211	19.973	14.826	#
41)	Toxaphene...	8.831f	9.379f	264.3E6	1794396	4905.546	31.258	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

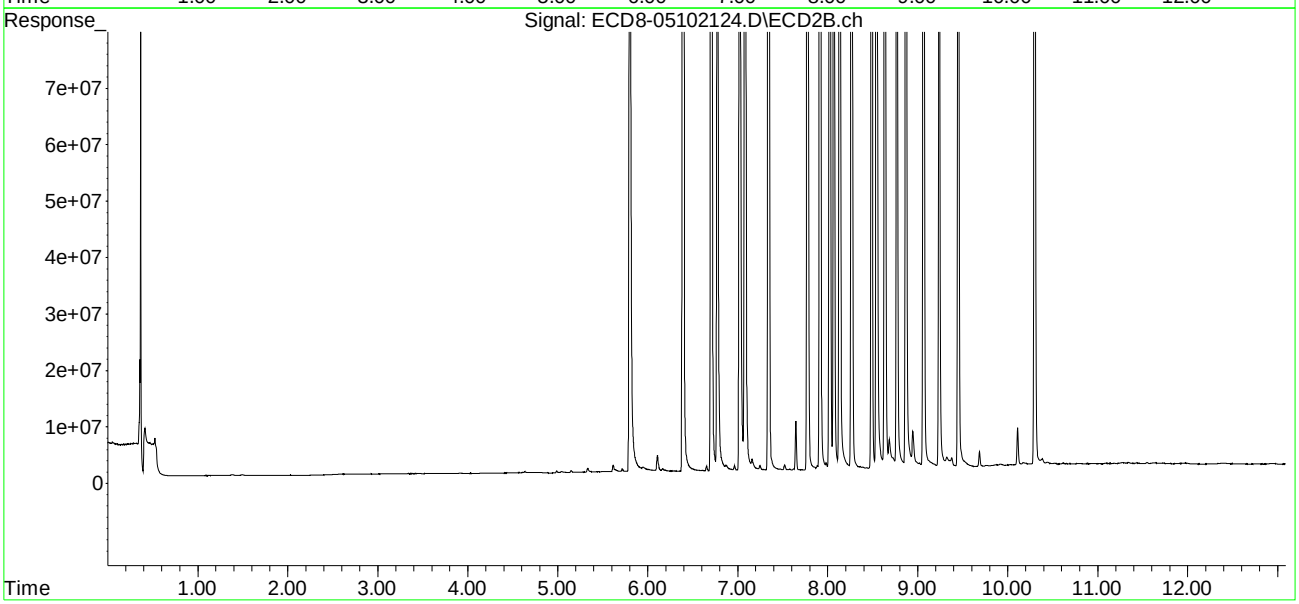
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 15:49
Operator : MJB
Sample : 1E10032-CCV7
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:10:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 15:49
Operator : MJB
Sample : 1E10032-CCV7 MJB 5/10/21
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:10:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.483	5.800	293.6E6	302.8E6	91.572	88.958	
22) S	DCBP (S)	9.715	10.299	224.1E6	225.2E6	117.964	129.353	Q-41
	Target Compounds							
2)	a-BHC	6.035	6.392	430.5E6	493.1E6	101.165	108.815	
3)	g-BHC	6.322	6.706	382.1E6	446.0E6	105.257	114.208	
4)	b-BHC	6.405	6.775	142.8E6	170.5E6	91.314	97.942	
5)	Heptachlor	6.722	7.080	395.9E6	445.1E6	115.456	120.688	Q-41
6)	d-BHC	6.556	7.021	320.3E6	405.5E6	94.885	97.454	
7)	Aldrin	6.963	7.341	378.9E6	425.0E6	110.213	120.828	Q-41
8)	Heptachlo...	7.433	7.775	344.3E6	380.8E6	109.186	115.061	
9)	trans-Chl...	7.525	7.915	352.3E6	389.3E6	109.362	115.494	
10)	cis-Chlor...	7.623	8.022	341.3E6	378.3E6	108.269	116.681	
11)	Endosulfa...	7.724	8.068	321.4E6	352.0E6	110.843	116.949	
12)	4,4'-DDE	7.681	8.131	315.5E6	377.3E6	91.643	107.349	
13)	Dieldrin	7.899	8.266	372.3E6	405.3E6	117.370	123.207	Q-41
14)	Endrin	8.067	8.487	319.5E6	339.6E6	123.502	Q-41 117.481	
15)	4,4'-DDD	8.110	8.543	257.3E6	304.4E6	95.084	107.749	
16)	Endosulfa...	8.229	8.635	281.2E6	307.5E6	111.763	115.143	
17)	4,4'-DDT	8.307	8.768	264.0E6	298.8E6	107.698	107.239	
18)	Endrin Al...	8.525	8.870	241.8E6	257.6E6	107.384	103.283	
19)	Endosulfa...	8.831	9.065	264.3E6	292.7E6	105.656	109.695	
20)	Methoxychlor	8.646	9.238	114.0E6	133.0E6	91.146	101.069	
21)	Endrin Ke...	9.031	9.451	335.4E6	353.1E6	112.596	112.674	
23)	Hexachlor...	3.229f	3.506	6596	8813	0.002	0.002	
24)	Hexachlor...	5.871	6.286f	431669	104050	0.132	0.029	#
25)	Oxychlordane	7.366	7.707	1477911	63067	0.536	0.021	#
26)	2,4'-DDE	7.433	7.915	344.3E6	389.3E6	154.075	167.499	
27)	trans-Non...	7.623	7.981	341.3E6	1238904	107.376	0.368	#
28)	2,4'-DDD	0.000	8.266	0	405.3E6	N.D.	186.052	#
29)	2,4'-DDT	7.986	8.487	1453167	339.6E6	0.720	161.385	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 15:49
Operator : MJB
Sample : 1E10032-CCV7
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:10:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

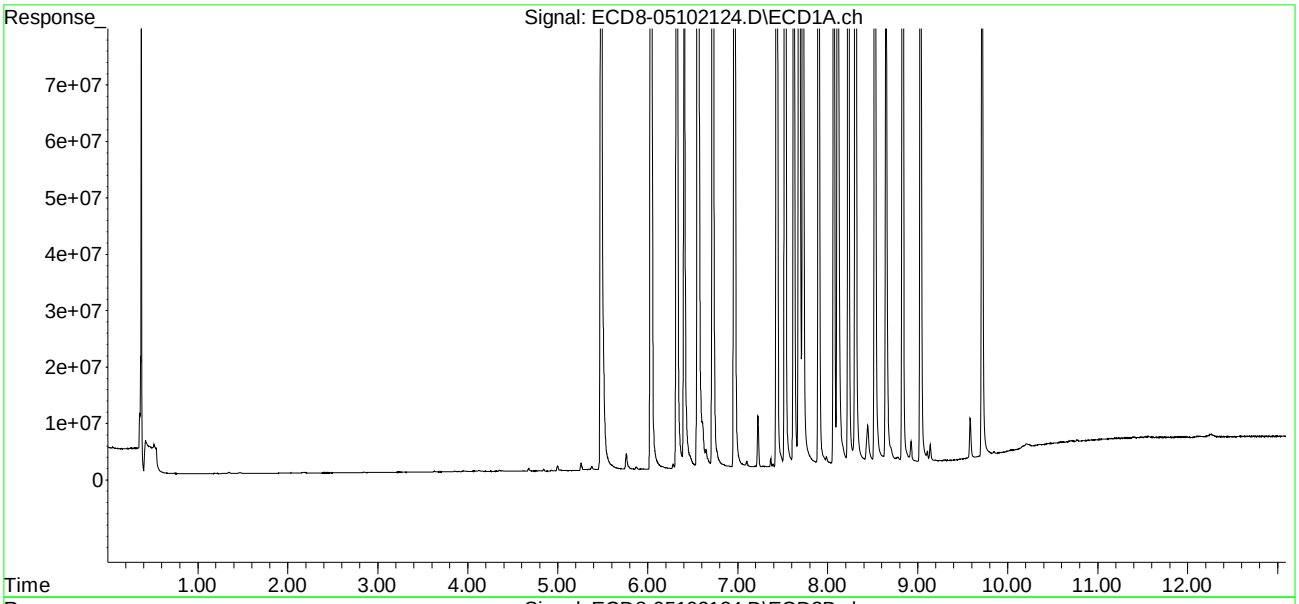
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.110	8.543	257.3E6	304.4E6	76.691	84.822	
31)	Mirex	8.762	9.451	895918	353.1E6	0.274	166.403	#
32)	Chlordane...	0.000	7.981	0	1238904	N.D.	3.070	#
33)	Chlordane...	7.681	8.131f	315.5E6	377.3E6	907.732	1118.299	
34)	Chlordane...	8.229	8.768	281.2E6	298.8E6	2665.941	2423.442	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.724	8.388	321.4E6	365560	BelowCal	11.532	
37)	Toxaphene...	7.986	8.768	1453167	298.8E6	44.826	7742.747	#
38)	Toxaphene...	8.307	8.768f	264.0E6	298.8E6	4574.068	5174.087	
39)	Toxaphene...	8.525f	8.870	241.8E6	257.6E6	3833.715	2464.175	#
40)	Toxaphene...	8.780	9.019	949052	1000211	19.973	14.826	#
41)	Toxaphene...	8.831f	9.379f	264.3E6	1794396	4905.546	31.258	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

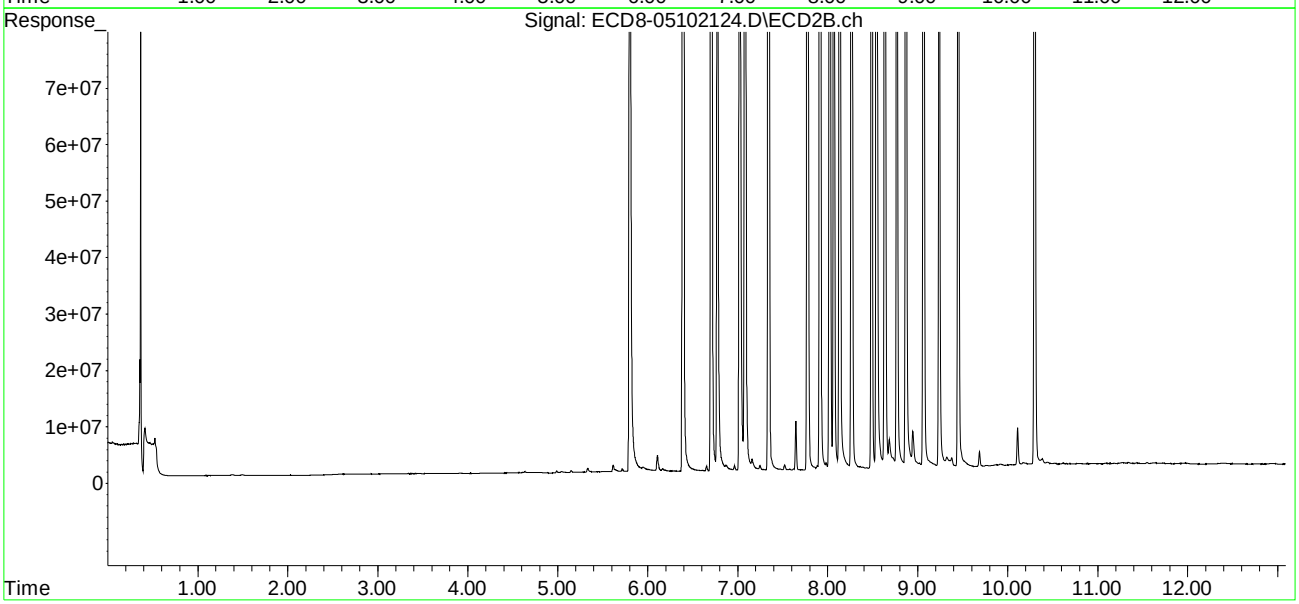
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 15:49
Operator : MJB
Sample : 1E10032-CCV7
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:10:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:06
Operator : MJB
Sample : 1E10032-CCV8
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:21:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.455f	5.803	2143340	169662	0.668	0.050	#
22) S	DCBP (S)	9.716	10.300	465974	430448	1931.106	0.073	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.321	0.000	322582	0	0.089	N.D.	#
4)	b-BHC	6.387	6.788	64966	446997	0.042	0.082	#
5)	Heptachlor	6.727	7.084	203774	220394	0.059	0.060	
6)	d-BHC	6.541	7.026	34107	148724	0.010	0.031	#
7)	Aldrin	6.983	7.348	15573	38072	0.005	0.011	#
8)	Heptachlo...	7.429	7.814f	195.7E6	744803	62.040	0.225	#
9)	trans-Chl...	7.526	7.907	2316794	226.7E6	0.719	67.235	#
10)	cis-Chlor...	7.611	7.984f	324.7E6	355.1E6	103.018	109.533	
11)	Endosulfa...	7.722	0.000	1450014	0	0.500	N.D.	#
12)	4,4'-DDE	0.000	8.132	0	785390	N.D.	0.223	#
13)	Dieldrin	7.892	8.277	1503613	197.9E6	0.474	60.171	#
14)	Endrin	8.089f	8.499	331.0E6	229.3E6	127.938	83.119	#
15)	4,4'-DDD	8.089f	8.541	331.0E6	379.2E6	122.287	134.211	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.311	8.767	192294	418433	0.078	0.143	#
18)	Endrin Al...	8.527	8.880	393961	418579	BelowCal	BelowCal	
19)	Endosulfa...	8.864f	9.066	1182494	125730	0.473	0.047	#
20)	Methoxychlor	8.638	9.242	32536	38963	0.026	0.030	
21)	Endrin Ke...	9.032	9.443	127600	219.2E6	0.043	73.657	#
23)	Hexachlor...	3.266	3.518	370.6E6	445.0E6	106.595	110.986	
24)	Hexachlor...	5.870	6.262	250.2E6	280.4E6	76.744	78.090	
25)	Oxychlordane	7.357	7.709	289.7E6	318.1E6	105.068	108.215	
26)	2,4'-DDE	7.429	7.907	195.7E6	226.7E6	87.546	97.510	
27)	trans-Non...	7.611	7.984	324.7E6	355.1E6	102.168	105.595	
28)	2,4'-DDD	7.807	8.277	168.3E6	197.9E6	88.795	96.880	
29)	2,4'-DDT	7.988	8.499	202.5E6	229.3E6	100.408	108.975	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:06
Operator : MJB
Sample : 1E10032-CCV8
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:21:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

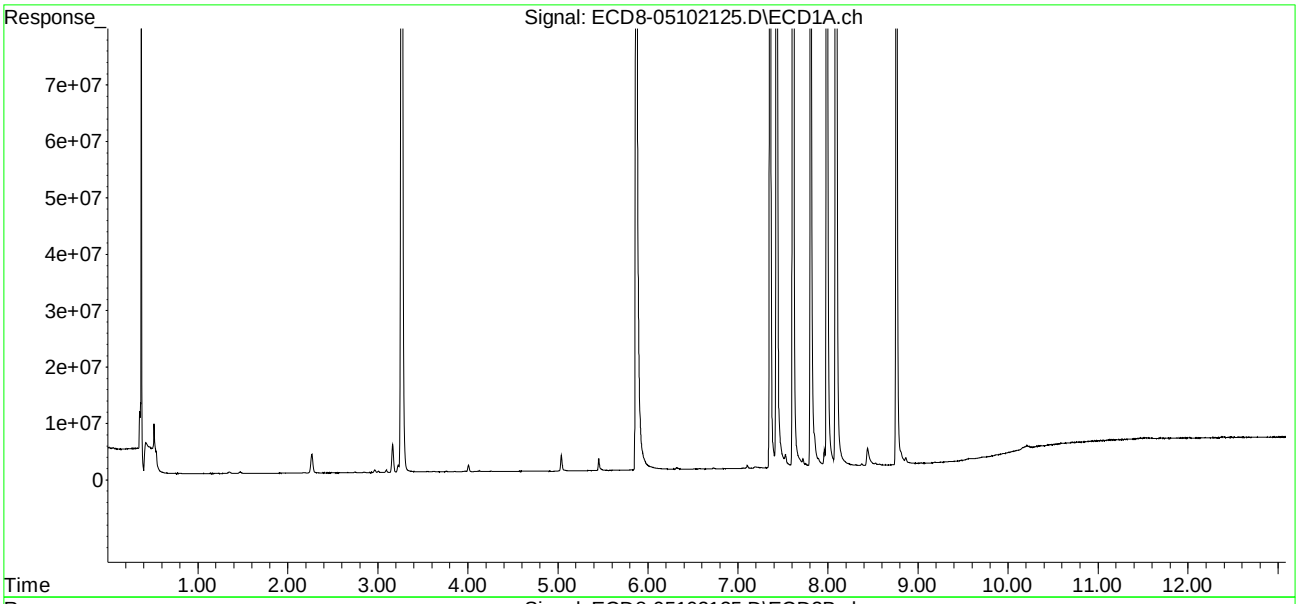
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.089	8.541	331.0E6	379.2E6	98.632	105.653	
31)	Mirex	8.761	9.443	208.3E6	219.2E6	105.306	107.678	
32)	Chlordane...	7.611f	7.984	324.7E6	355.1E6	928.352	879.913	
33)	Chlordane...	0.000	8.132f	0	785390	N.D.	2.328	#
34)	Chlordane...	0.000	8.767	0	418433	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.722	8.384f	1450014	1779024	97.947	56.124	#
37)	Toxaphene...	7.988	8.767	202.5E6	418433	BelowCal	10.841	
38)	Toxaphene...	8.311	8.767f	192294	418433	3.331	7.245	#
39)	Toxaphene...	8.570	8.880f	183725	418579	2.913	0.919	#
40)	Toxaphene...	8.761f	9.046	208.3E6	22282	4382.792	BelowCal	#
41)	Toxaphene...	8.864	9.400	1182494	147292	21.950	2.566	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

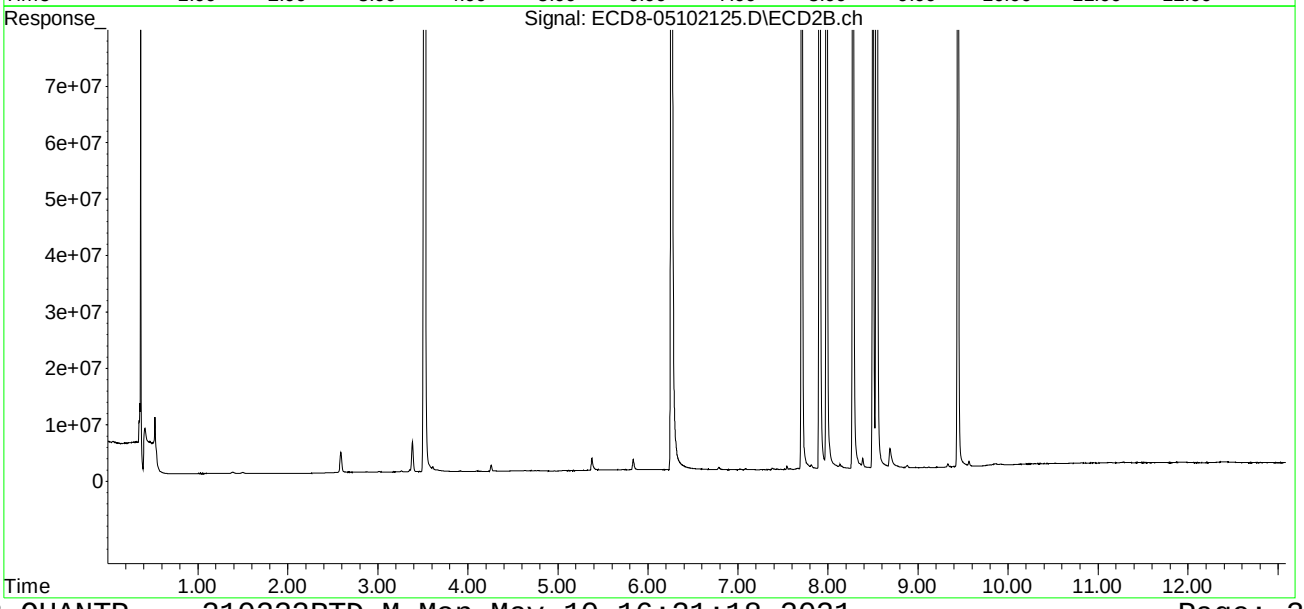
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:06
Operator : MJB
Sample : 1E10032-CCV8
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:21:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:06
Operator : MJB
Sample : 1E10032-CCV8
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:21:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.455f	5.803	2143340	169662	0.668	0.050	#
22) S	DCBP (S)	9.716	10.300	465974	430448	1931.106	0.073	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.321	0.000	322582	0	0.089	N.D.	#
4)	b-BHC	6.387	6.788	64966	446997	0.042	0.082	#
5)	Heptachlor	6.727	7.084	203774	220394	0.059	0.060	
6)	d-BHC	6.541	7.026	34107	148724	0.010	0.031	#
7)	Aldrin	6.983	7.348	15573	38072	0.005	0.011	#
8)	Heptachlo...	7.429	7.814f	195.7E6	744803	62.040	0.225	#
9)	trans-Chl...	7.526	7.907	2316794	226.7E6	0.719	67.235	#
10)	cis-Chlor...	7.611	7.984f	324.7E6	355.1E6	103.018	109.533	
11)	Endosulfa...	7.722	0.000	1450014	0	0.500	N.D.	#
12)	4,4'-DDE	0.000	8.132	0	785390	N.D.	0.223	#
13)	Dieldrin	7.892	8.277	1503613	197.9E6	0.474	60.171	#
14)	Endrin	8.089f	8.499	331.0E6	229.3E6	127.938	83.119	#
15)	4,4'-DDD	8.089f	8.541	331.0E6	379.2E6	122.287	134.211	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.311	8.767	192294	418433	0.078	0.143	#
18)	Endrin Al...	8.527	8.880	393961	418579	BelowCal	BelowCal	
19)	Endosulfa...	8.864f	9.066	1182494	125730	0.473	0.047	#
20)	Methoxychlor	8.638	9.242	32536	38963	0.026	0.030	
21)	Endrin Ke...	9.032	9.443	127600	219.2E6	0.043	73.657	#
23)	Hexachlor...	3.266	3.518	370.6E6	445.0E6	106.595	110.986	
24)	Hexachlor...	5.870	6.262	250.2E6	280.4E6	76.744 Q-31	78.090 Q-31	
25)	Oxychlordane	7.357	7.709	289.7E6	318.1E6	105.068	108.215	
26)	2,4'-DDE	7.429	7.907	195.7E6	226.7E6	87.546	97.510	
27)	trans-Non...	7.611	7.984	324.7E6	355.1E6	102.168	105.595	
28)	2,4'-DDD	7.807	8.277	168.3E6	197.9E6	88.795	96.880	
29)	2,4'-DDT	7.988	8.499	202.5E6	229.3E6	100.408	108.975	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:06
Operator : MJB
Sample : 1E10032-CCV8
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:21:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

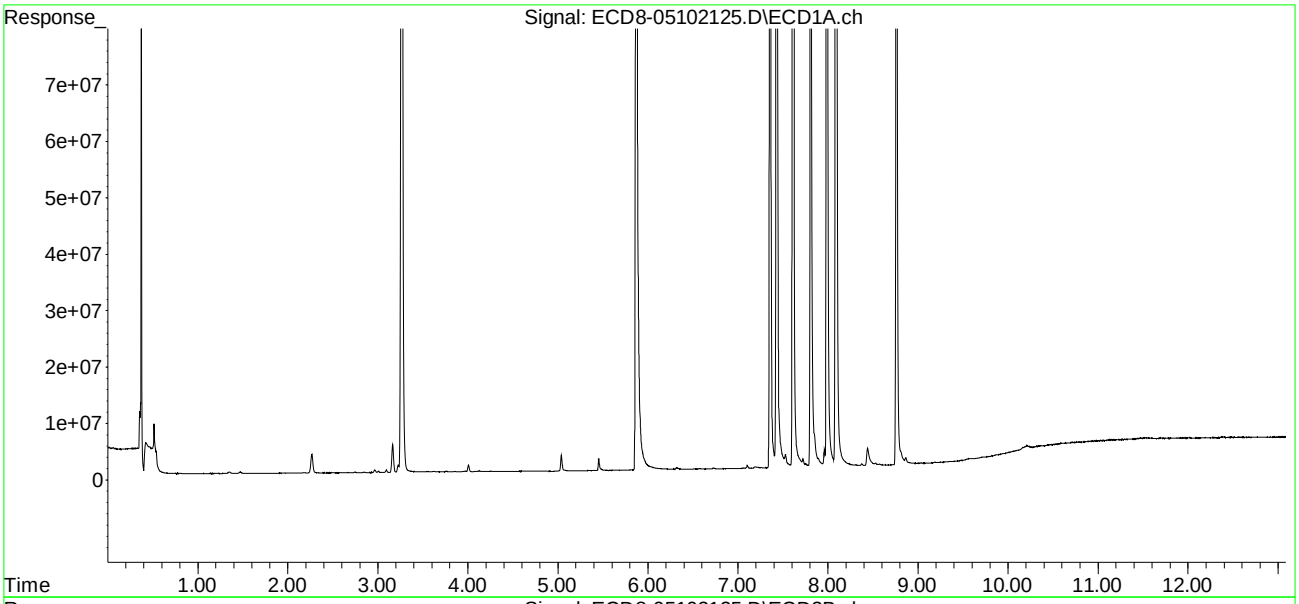
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.089	8.541	331.0E6	379.2E6	98.632	105.653	
31)	Mirex	8.761	9.443	208.3E6	219.2E6	105.306	107.678	
32)	Chlordane...	7.611f	7.984	324.7E6	355.1E6	928.352	879.913	
33)	Chlordane...	0.000	8.132f	0	785390	N.D.	2.328	#
34)	Chlordane...	0.000	8.767	0	418433	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.722	8.384f	1450014	1779024	97.947	56.124	#
37)	Toxaphene...	7.988	8.767	202.5E6	418433	BelowCal	10.841	
38)	Toxaphene...	8.311	8.767f	192294	418433	3.331	7.245	#
39)	Toxaphene...	8.570	8.880f	183725	418579	2.913	0.919	#
40)	Toxaphene...	8.761f	9.046	208.3E6	22282	4382.792	BelowCal	#
41)	Toxaphene...	8.864	9.400	1182494	147292	21.950	2.566	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

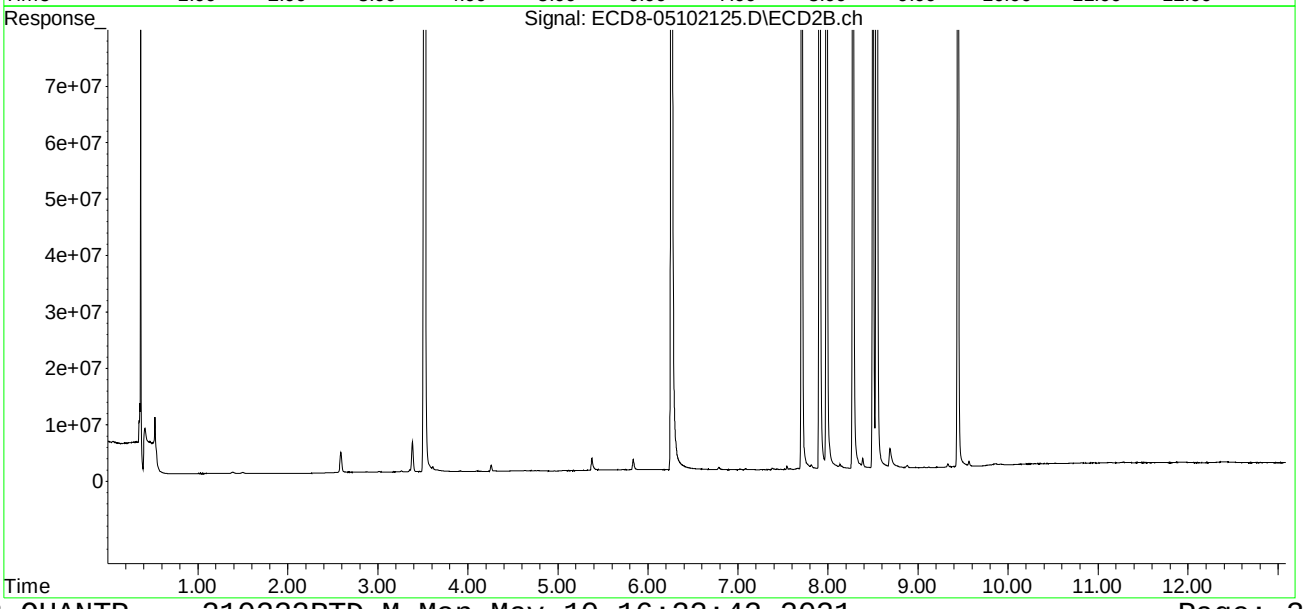
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:06
Operator : MJB
Sample : 1E10032-CCV8
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:21:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.483	5.801	279.6E6	285.7E6	87.210	83.934	
22) S	DCBP (S)	9.715	10.299	209.7E6	210.3E6	109.916	120.852	
	Target Compounds							
2)	a-BHC	0.000	6.393	0	52982	N.D.	0.012	#
3)	g-BHC	6.327	6.731f	13141	14195	0.004	0.004	
4)	b-BHC	6.405	6.794	52061	38135	0.033	BelowCal	#
5)	Heptachlor	6.728	7.092	25132	13056	0.007	0.004	#
6)	d-BHC	6.567	7.031	35349	42366	0.010	0.002	#
7)	Aldrin	6.997f	7.304f	39101	21483	0.011	0.006	#
8)	Heptachlo...	7.432	7.783	13037	17462	0.004	0.005	#
9)	trans-Chl...	7.521	7.918	308489	23938	0.096	0.007	#
10)	cis-Chlor...	7.621	8.014	20291	15668	0.006	0.005	
11)	Endosulfa...	7.696f	8.075	35738	24465	0.012	0.008	#
12)	4,4'-DDE	7.685	8.131	48379	15796	0.014	0.004	#
13)	Dieldrin	7.900	8.273	18418	41778	0.006	0.013	#
14)	Endrin	8.075	8.486	21477	25591	0.008	0.013	#
15)	4,4'-DDD	8.128	8.543	13483	31618	0.005	0.011	#
16)	Endosulfa...	8.237	8.648	35246	53524	0.014	0.020	#
17)	4,4'-DDT	8.307	8.806f	9739	188734	0.004	0.044	#
18)	Endrin Al...	8.526	8.873	299423	205939	BelowCal	BelowCal	
19)	Endosulfa...	8.835	9.070	68064	104066	0.027	0.039	#
20)	Methoxychlor	8.647	9.228	39396	73333	0.031	0.056	#
21)	Endrin Ke...	9.030	9.453	28873	130462	0.010	BelowCal	#
23)	Hexachlor...	0.000	3.514	0	7648	N.D.	0.002	#
24)	Hexachlor...	5.871	6.259	424621	101187	0.130	0.028	#
25)	Oxychlordane	7.354	7.707	12933	49541	0.005	0.017	#
26)	2,4'-DDE	7.426	7.911	9588	25976	0.004	0.011	#
27)	trans-Non...	7.615	7.988	25793	35733	0.008	0.011	#
28)	2,4'-DDD	7.811	8.273	11025	41778	0.006	BelowCal	#
29)	2,4'-DDT	7.992	8.502	16944	38395	0.008	0.018	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

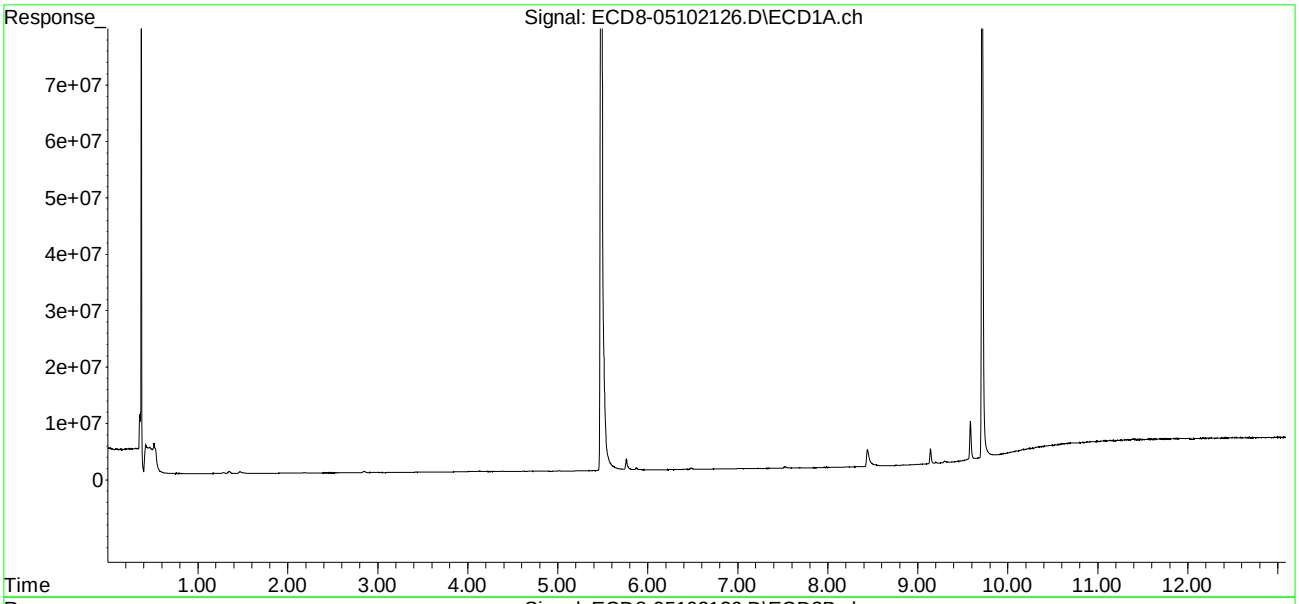
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.090	8.543	23752	31618	0.007	0.009	
31)	Mirex	8.762	9.453	58994	130462	21703.373	BelowCal	#
32)	Chlordane...	7.570	7.988	31558	35733	0.090	0.089	
33)	Chlordane...	7.685	8.104	48379	21395	0.139	0.063	#
34)	Chlordane...	8.237	0.000	35246	0	0.334	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.696	8.399	35738	11784	1.498	0.372	#
37)	Toxaphene...	7.996	0.000	16107	0	12094.300	N.D.	#
38)	Toxaphene...	8.312	8.806	8982	188734	0.156	3.268	#
39)	Toxaphene...	8.564	8.873	140377	205939	2.225	BelowCal	#
40)	Toxaphene...	8.798	9.070f	9979	104066	0.210	BelowCal	#
41)	Toxaphene...	8.872	9.417	11437	105406	0.212	1.836	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

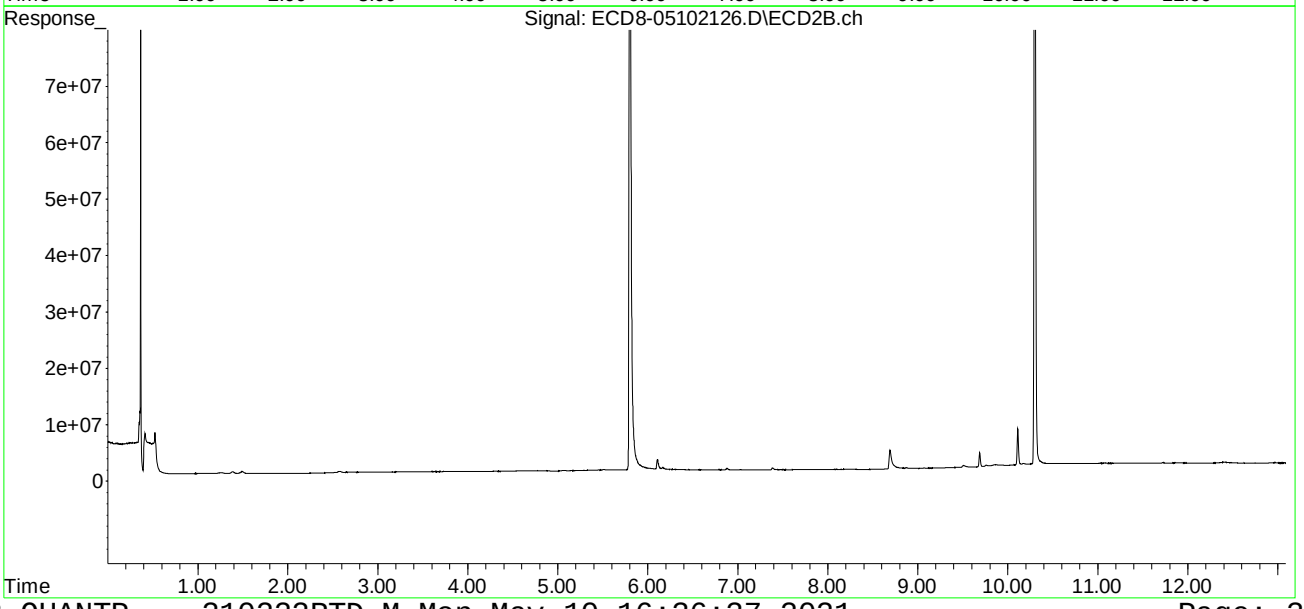
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

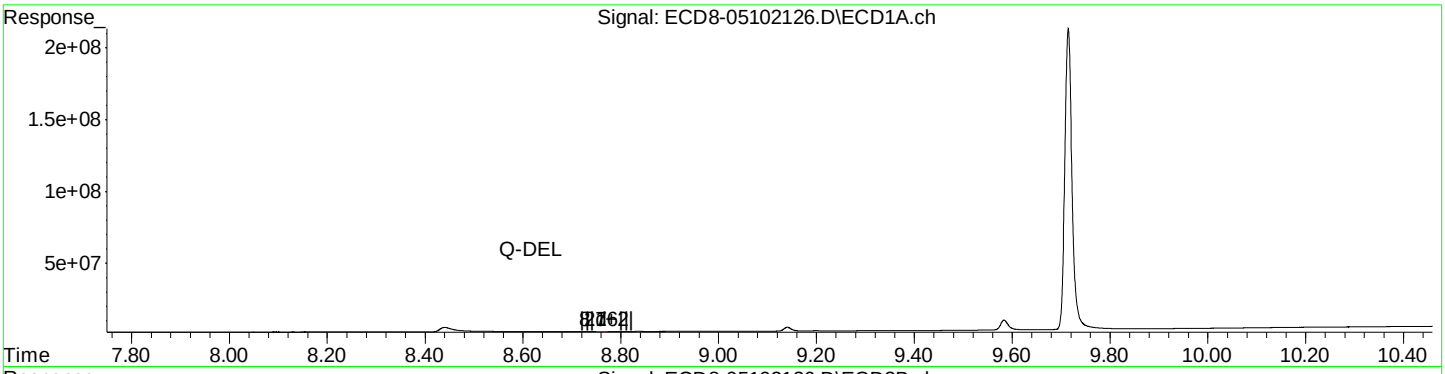




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex
~~8.762min 21703.373 ng/mL~~
response ~~58994~~

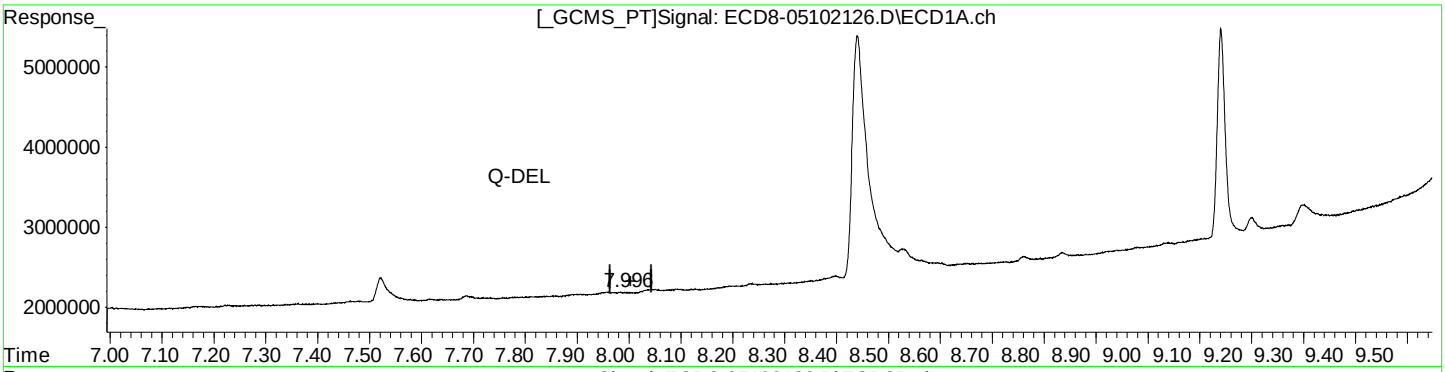
(31) Mirex #2
9.453min -0.368 ng/mL
response 130462

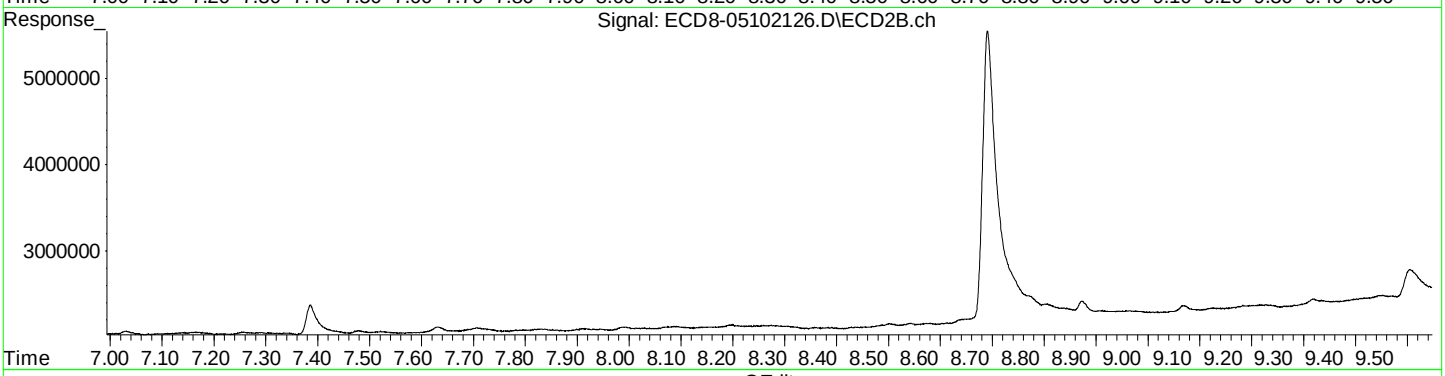
(+) = Expected Retention Time
ECD8_QUANTP..._210222RTD.M Mon May 10 16:37:12 2021 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(37) Toxaphene (2)
~~7.996min 12094.300 ng/mL~~
response ~~16107~~

(37) Toxaphene (2) #2
0.000min 0.000 ng/mL
response 0

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

MJB 5/10/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.483	5.801	279.6E6	285.7E6	87.210	83.934	
22) S	DCBP (S)	9.715	10.299	209.7E6	210.3E6	109.916	120.852	
	Target Compounds							
2)	a-BHC	0.000	6.393	0	52982	N.D.	0.012	#
3)	g-BHC	6.327	6.731f	13141	14195	0.004	0.004	
4)	b-BHC	6.405	6.794	52061	38135	0.033	BelowCal	#
5)	Heptachlor	6.728	7.092	25132	13056	0.007	0.004	#
6)	d-BHC	6.567	7.031	35349	42366	0.010	0.002	#
7)	Aldrin	6.997f	7.304f	39101	21483	0.011	0.006	#
8)	Heptachlo...	7.432	7.783	13037	17462	0.004	0.005	#
9)	trans-Chl...	7.521	7.918	308489	23938	0.096	0.007	#
10)	cis-Chlor...	7.621	8.014	20291	15668	0.006	0.005	
11)	Endosulfa...	7.696f	8.075	35738	24465	0.012	0.008	#
12)	4,4'-DDE	7.685	8.131	48379	15796	0.014	0.004	#
13)	Dieldrin	7.900	8.273	18418	41778	0.006	0.013	#
14)	Endrin	8.075	8.486	21477	25591	0.008	0.013	#
15)	4,4'-DDD	8.128	8.543	13483	31618	0.005	0.011	#
16)	Endosulfa...	8.237	8.648	35246	53524	0.014	0.020	#
17)	4,4'-DDT	8.307	8.806f	9739	188734	0.004	0.044	#
18)	Endrin Al...	8.526	8.873	299423	205939	BelowCal	BelowCal	
19)	Endosulfa...	8.835	9.070	68064	104066	0.027	0.039	#
20)	Methoxychlor	8.647	9.228	39396	73333	0.031	0.056	#
21)	Endrin Ke...	9.030	9.453	28873	130462	0.010	BelowCal	#
23)	Hexachlor...	0.000	3.514	0	7648	N.D.	0.002	#
24)	Hexachlor...	5.871	6.259	424621	101187	0.130	0.028	#
25)	Oxychlordane	7.354	7.707	12933	49541	0.005	0.017	#
26)	2,4'-DDE	7.426	7.911	9588	25976	0.004	0.011	#
27)	trans-Non...	7.615	7.988	25793	35733	0.008	0.011	#
28)	2,4'-DDD	7.811	8.273	11025	41778	0.006	BelowCal	#
29)	2,4'-DDT	7.992	8.502	16944	38395	0.008	0.018	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

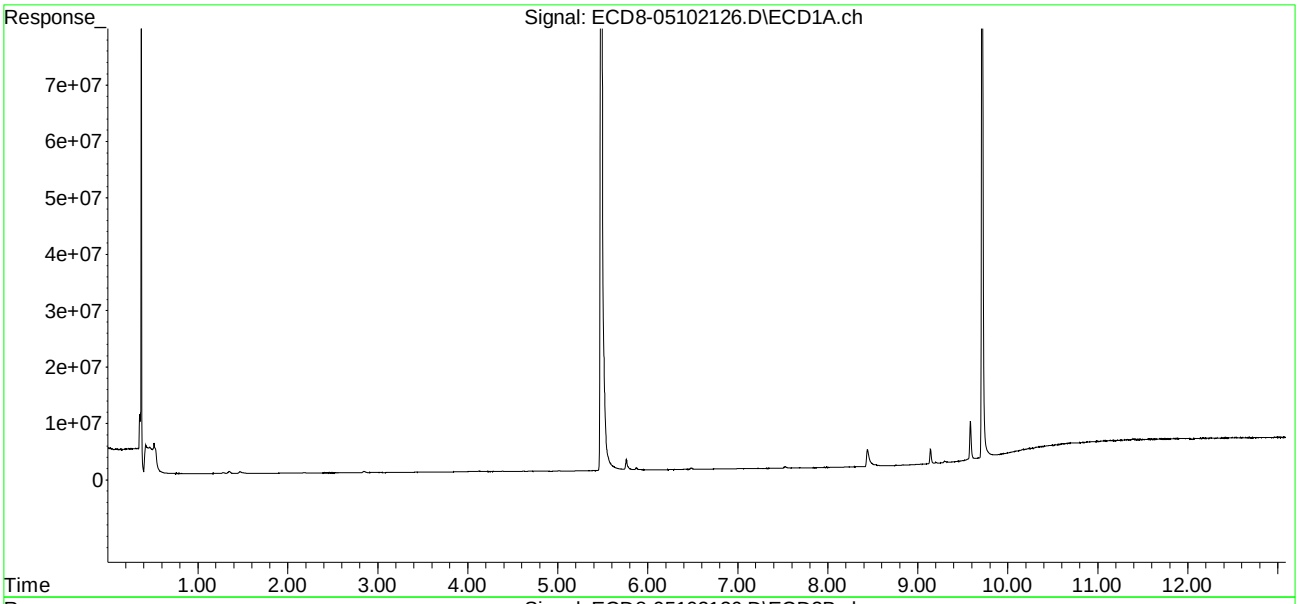
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.090	8.543	23752	31618	0.007	0.009	
31)	Mirex	0.000	9.453	0	130462	N.D. d	BelowCal	
32)	Chlordane...	7.570	7.988	31558	35733	0.090	0.089	
33)	Chlordane...	7.685	8.104	48379	21395	0.139	0.063	#
34)	Chlordane...	8.237	0.000	35246	0	0.334	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.696	8.399	35738	11784	1.498	0.372	#
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D.	
38)	Toxaphene...	8.312	8.806	8982	188734	0.156	3.268	#
39)	Toxaphene...	8.564	8.873	140377	205939	2.225	BelowCal	#
40)	Toxaphene...	8.798	9.070f	9979	104066	0.210	BelowCal	#
41)	Toxaphene...	8.872	9.417	11437	105406	0.212	1.836	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

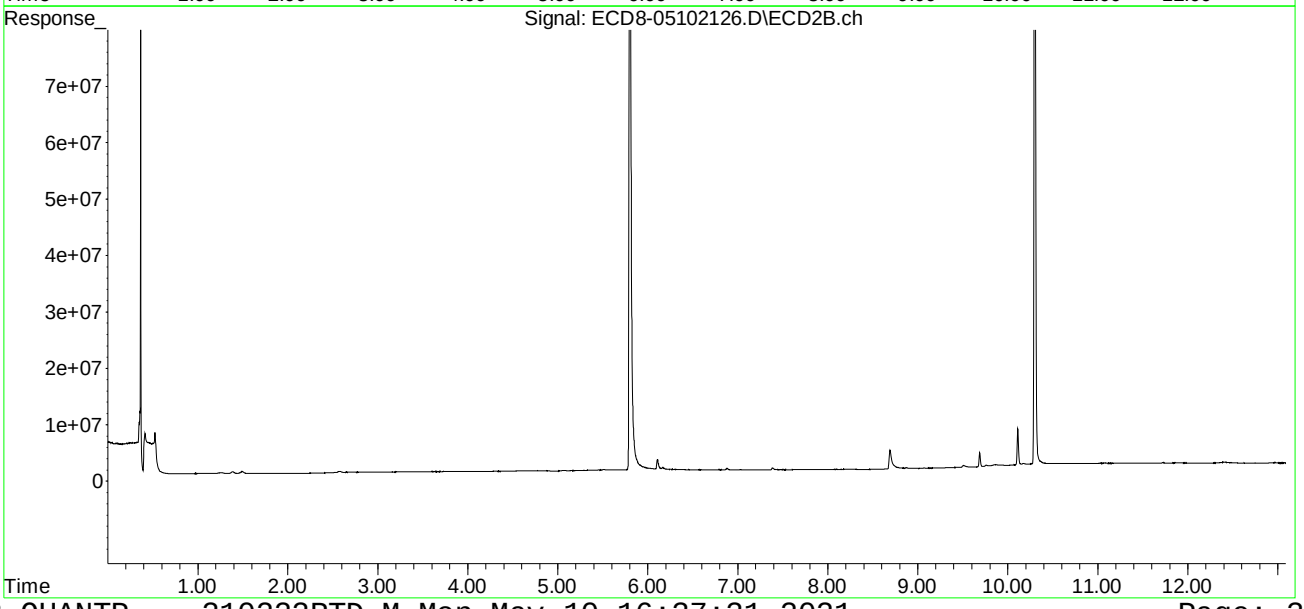
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-05\1E10032\
Data File : ECD8-05102126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 16:22
Operator : MJB
Sample : 1E10032-CCB3
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 10 16:36:27 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:17
Operator : MJB
Sample : 1E10032-CCV9
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:31:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	150.1E6	147.0E6	46.815	43.181	
22) S	DCBP (S)	9.712	10.297	111.2E6	111.8E6	56.466	64.498	
	Target Compounds							
2)	a-BHC	6.034	6.391	208.4E6	242.6E6	48.966	53.540	
3)	g-BHC	6.321	6.705	186.5E6	219.3E6	51.371	56.153	
4)	b-BHC	6.406	6.775	69581594	80896059	44.490	48.181	
5)	Heptachlor	6.721	7.079	197.9E6	222.5E6	57.723	60.343	
6)	d-BHC	6.557	7.021	151.6E6	192.2E6	44.916	49.406	
7)	Aldrin	6.963	7.340	194.3E6	206.5E6	56.523	58.704	
8)	Heptachlo...	7.431	7.773	178.5E6	187.3E6	56.608	56.612	
9)	trans-Chl...	7.525	7.914	172.8E6	189.7E6	53.628	56.259	
10)	cis-Chlor...	7.622	8.021	173.4E6	183.5E6	55.005	56.586	
11)	Endosulfa...	7.723	8.067	164.6E6	172.4E6	56.765	57.280	
12)	4,4'-DDE	7.681	8.131	156.9E6	174.4E6	45.578	49.617	
13)	Dieldrin	7.898	8.266	187.9E6	199.6E6	59.224	60.687	
14)	Endrin	8.066	8.486	150.9E6	156.0E6	58.313	58.543	
15)	4,4'-DDD	8.110	8.543	126.3E6	142.9E6	46.660	50.570	
16)	Endosulfa...	8.228	8.635	139.5E6	148.1E6	55.446	55.466	
17)	4,4'-DDT	8.306	8.767	128.1E6	141.0E6	52.248	54.980	
18)	Endrin Al...	8.524	8.869	121.1E6	124.5E6	55.175	50.651	
19)	Endosulfa...	8.829	9.064	133.3E6	140.1E6	53.294	52.513	
20)	Methoxychlor	8.646	9.238	55100271	63442112	44.044	48.219	
21)	Endrin Ke...	9.029	9.450	166.4E6	177.2E6	55.847	60.595	
23)	Hexachlor...	0.000	3.539f	0	76085	N.D.	0.019	#
24)	Hexachlor...	5.869	6.282f	218333	38796	0.067	0.011	#
25)	Oxychlordane	7.365	7.707	756112	50468	0.274	0.017	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:17
Operator : MJB
Sample : 1E10032-CCV9
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:31:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.431	7.914	178.5E6	189.7E6	79.880	81.591	
27)	trans-Non...	7.622	7.981	173.4E6	734991	54.551	0.219	#
28)	2,4'-DDD	0.000	8.266	0	199.6E6	N.D.	97.655	#
29)	2,4'-DDT	7.985	8.486	741180	156.0E6	0.367	74.131	#
30)	cis-Nonac...	8.110f	8.543	126.3E6	142.9E6	37.634	39.810	
31)	Mirex	8.765	9.450	497154	177.2E6	0.073	88.248	#
32)	Chlordane...	0.000	7.981	0	734991	N.D.	1.821	#
33)	Chlordane...	7.681	8.131f	156.9E6	174.4E6	451.451	516.885	
34)	Chlordane...	8.228	8.767	139.5E6	141.0E6	1322.588	1270.565	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.723	8.388f	164.6E6	321486	BelowCal	10.142	
37)	Toxaphene...	7.985	8.767	741180	141.0E6	22.547	3652.510	#
38)	Toxaphene...	8.306	8.767f	128.1E6	141.0E6	2219.021	2440.788	
39)	Toxaphene...	0.000	8.869	0	124.5E6	N.D.	1287.554	#
40)	Toxaphene...	8.779	9.016f	513802	792587	10.813	10.930	
41)	Toxaphene...	8.829f	9.412	133.3E6	622842	2474.416	10.850	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

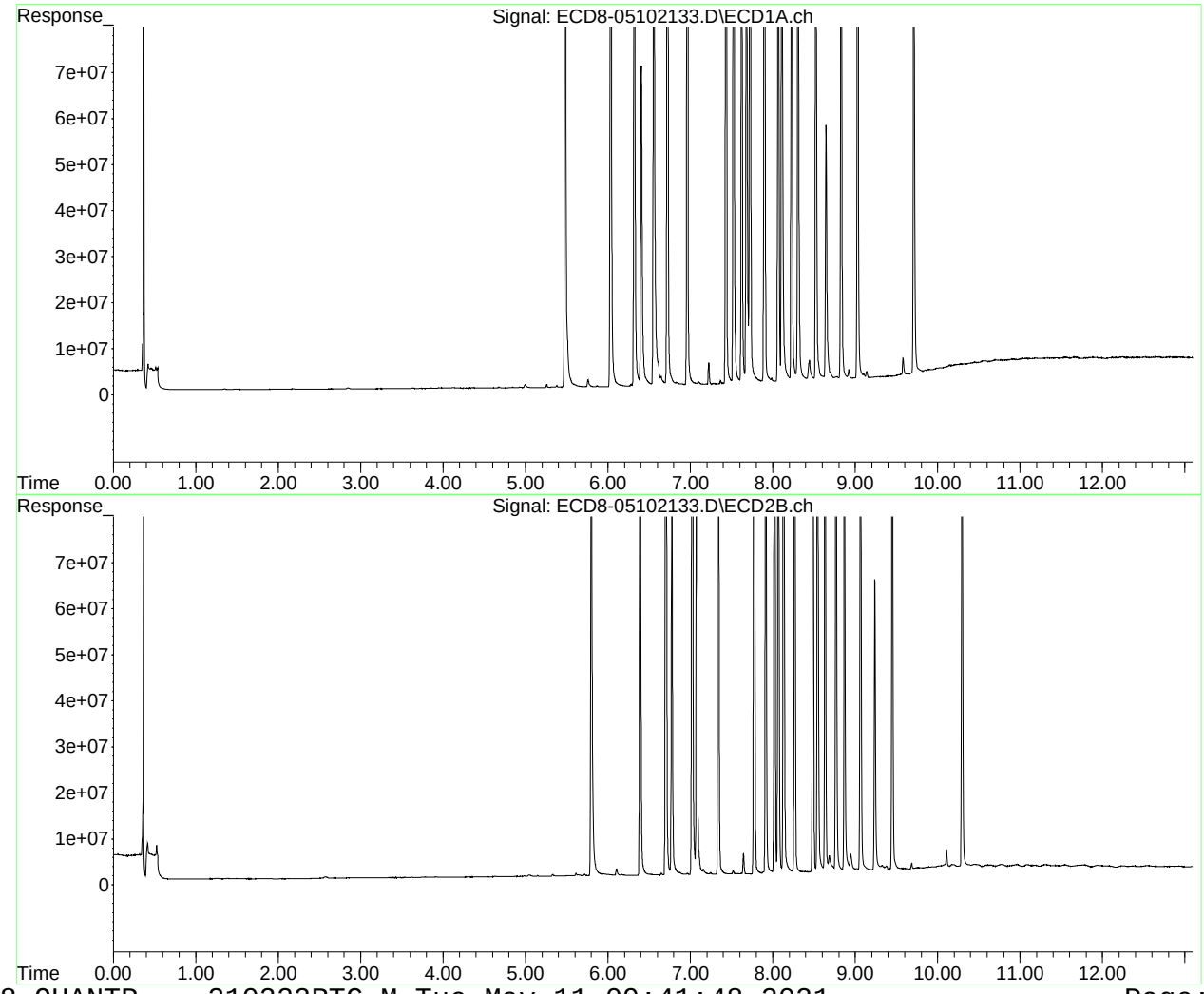
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:17
Operator : MJB
Sample : 1E10032-CCV9
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:31:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:17
Operator : MJB
Sample : 1E10032-CCV9
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

KAK 5/11/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:31:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	150.1E6	147.0E6	46.815	43.181	
22) S	DCBP (S)	9.712	10.297	111.2E6	111.8E6	56.466	64.498	Q-41
	Target Compounds							
2)	a-BHC	6.034	6.391	208.4E6	242.6E6	48.966	53.540	
3)	g-BHC	6.321	6.705	186.5E6	219.3E6	51.371	56.153	
4)	b-BHC	6.406	6.775	69581594	80896059	44.490	48.181	
5)	Heptachlor	6.721	7.079	197.9E6	222.5E6	57.723	60.343	Q-41
6)	d-BHC	6.557	7.021	151.6E6	192.2E6	44.916	49.406	
7)	Aldrin	6.963	7.340	194.3E6	206.5E6	56.523	58.704	
8)	Heptachlo...	7.431	7.773	178.5E6	187.3E6	56.608	56.612	
9)	trans-Chl...	7.525	7.914	172.8E6	189.7E6	53.628	56.259	
10)	cis-Chlor...	7.622	8.021	173.4E6	183.5E6	55.005	56.586	
11)	Endosulfa...	7.723	8.067	164.6E6	172.4E6	56.765	57.280	
12)	4,4'-DDE	7.681	8.131	156.9E6	174.4E6	45.578	49.617	
13)	Dieldrin	7.898	8.266	187.9E6	199.6E6	59.224	60.687	Q-41
14)	Endrin	8.066	8.486	150.9E6	156.0E6	58.313	58.543	
15)	4,4'-DDD	8.110	8.543	126.3E6	142.9E6	46.660	50.570	
16)	Endosulfa...	8.228	8.635	139.5E6	148.1E6	55.446	55.466	
17)	4,4'-DDT	8.306	8.767	128.1E6	141.0E6	52.248	54.980	
18)	Endrin Al...	8.524	8.869	121.1E6	124.5E6	55.175	50.651	
19)	Endosulfa...	8.829	9.064	133.3E6	140.1E6	53.294	52.513	
20)	Methoxychlor	8.646	9.238	55100271	63442112	44.044	48.219	
21)	Endrin Ke...	9.029	9.450	166.4E6	177.2E6	55.847	60.595	Q-41
23)	Hexachlor...	0.000	3.539f	0	76085	N.D.	0.019	#
24)	Hexachlor...	5.869	6.282f	218333	38796	0.067	0.011	#
25)	Oxychlordane	7.365	7.707	756112	50468	0.274	0.017	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:17
Operator : MJB
Sample : 1E10032-CCV9
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:31:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.431	7.914	178.5E6	189.7E6	79.880	81.591	
27)	trans-Non...	7.622	7.981	173.4E6	734991	54.551	0.219	#
28)	2,4'-DDD	0.000	8.266	0	199.6E6	N.D.	97.655	#
29)	2,4'-DDT	7.985	8.486	741180	156.0E6	0.367	74.131	#
30)	cis-Nonac...	8.110f	8.543	126.3E6	142.9E6	37.634	39.810	
31)	Mirex	8.765	9.450	497154	177.2E6	0.073	88.248	#
32)	Chlordane...	0.000	7.981	0	734991	N.D.	1.821	#
33)	Chlordane...	7.681	8.131f	156.9E6	174.4E6	451.451	516.885	
34)	Chlordane...	8.228	8.767	139.5E6	141.0E6	1322.588	1270.565	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.723	8.388f	164.6E6	321486	BelowCal	10.142	
37)	Toxaphene...	7.985	8.767	741180	141.0E6	22.547	3652.510	#
38)	Toxaphene...	8.306	8.767f	128.1E6	141.0E6	2219.021	2440.788	
39)	Toxaphene...	0.000	8.869	0	124.5E6	N.D.	1287.554	#
40)	Toxaphene...	8.779	9.016f	513802	792587	10.813	10.930	
41)	Toxaphene...	8.829f	9.412	133.3E6	622842	2474.416	10.850	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

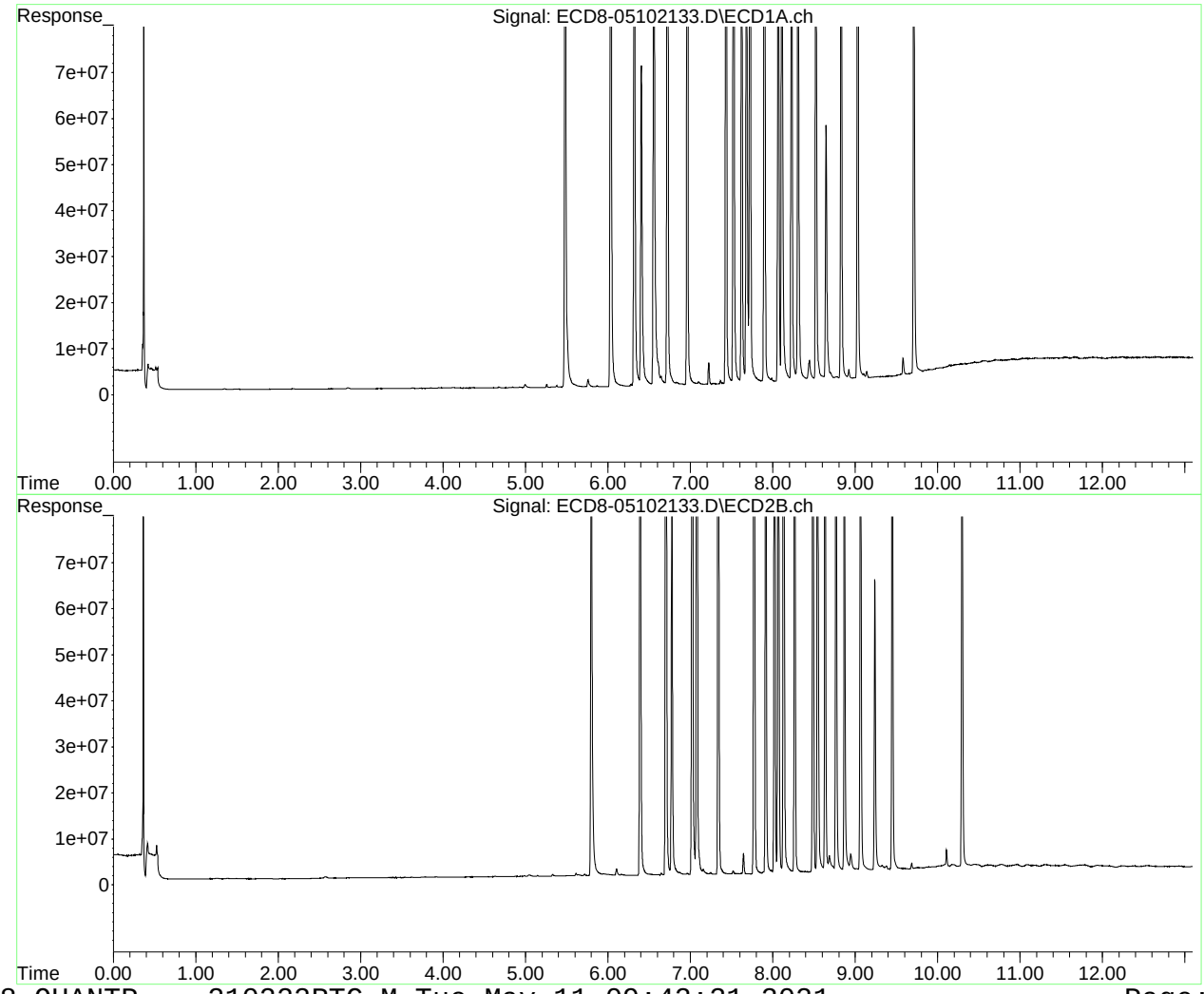
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:17
Operator : MJB
Sample : 1E10032-CCV9
Misc : A21B423, AB Mix 50 ppb
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:31:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:33
Operator : MJB
Sample : 1E10032-CCVA
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:46:50 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.509f	5.770f	34060	52039	0.011	0.015	#
22) S	DCBP (S)	0.000	10.298	0	775549	N.D.	0.274	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.318	0.000	161044	0	0.044	N.D.	#
4)	b-BHC	6.387	6.786	33845	201085	0.022	BelowCal	#
5)	Heptachlor	6.726	7.081	111573	96748	0.033	0.026	
6)	d-BHC	6.571	7.027	67153	86810	0.020	0.014	#
7)	Aldrin	6.967	7.341	14252	27435	0.004	0.008	#
8)	Heptachlo...	7.429	7.813f	92069973	427203	29.194	0.129	#
9)	trans-Chl...	7.524	7.906	1405507	102.0E6	0.436	30.263	#
10)	cis-Chlor...	7.611	7.983f	159.1E6	171.4E6	50.487	52.873	
11)	Endosulfa...	7.720	0.000	632460	0	0.218	N.D.	#
12)	4,4'-DDE	7.720f	8.131	632460	351451	0.184	0.100	#
13)	Dieldrin	0.000	8.276	0	92673328	N.D.	28.175	#
14)	Endrin	8.088f	8.497	165.9E6	104.3E6	64.141	40.194	#
15)	4,4'-DDD	8.088f	8.538	165.9E6	181.7E6	61.308	64.305	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.308	0.000	70542	0	0.029	N.D.	#
18)	Endrin Al...	8.524	8.874	340555	324004	BelowCal	BelowCal	
19)	Endosulfa...	8.862f	9.066	665137	233968	0.266	0.088	#
20)	Methoxychlor	8.652	9.244	9631	128209	0.008	0.097	#
21)	Endrin Ke...	9.030	9.440	176816	108.4E6	0.059	38.160	#
23)	Hexachlor...	3.264	3.516	185.0E6	212.4E6	53.222	52.978	
24)	Hexachlor...	5.868	6.260	119.8E6	126.5E6	36.738	35.216	
25)	Oxychlordane	7.356	7.707	141.4E6	150.3E6	51.290	51.121	

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:33
Operator : MJB
Sample : 1E10032-CCVA
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:46:50 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.429	7.906	92069973	102.0E6	41.196	43.890	
27)	trans-Non...	7.611	7.983	159.1E6	171.4E6	50.070	50.972	
28)	2,4'-DDD	7.807	8.276	80307010	92673328	42.381	47.055	
29)	2,4'-DDT	7.987	8.497	98486765	104.3E6	48.830	49.551	
30)	cis-Nonac...	8.088	8.538	165.9E6	181.7E6	49.449	50.622	
31)	Mirex	8.758	9.440	106.0E6	108.4E6	53.376	55.187	
32)	Chlordane...	7.611f	7.983	159.1E6	171.4E6	454.963	424.747	
33)	Chlordane...	0.000	8.131f	0	351451	N.D.	1.042	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.720	8.430f	632460	158654	42.042	5.005	#
37)	Toxaphene...	7.987	0.000	98486765	0	BelowCal	N.D.	
38)	Toxaphene...	8.308	0.000	70542	0	1.222	N.D.	#
39)	Toxaphene...	8.568	8.874	140002	324004	2.219	BelowCal	#
40)	Toxaphene...	0.000	9.041	0	144313	N.D.	BelowCal	
41)	Toxaphene...	8.862	9.394	665137	249954	12.347	4.354	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

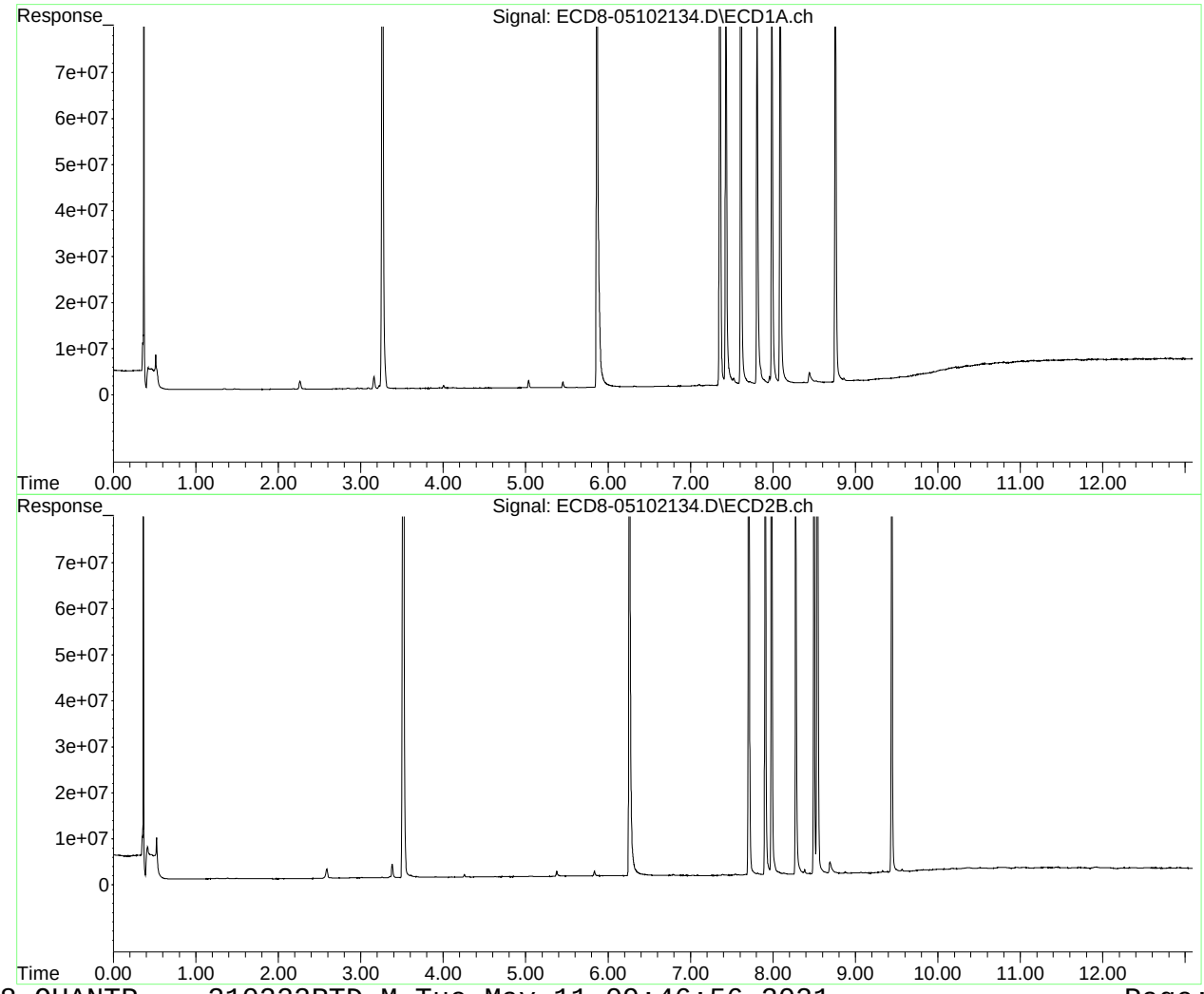
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:33
Operator : MJB
Sample : 1E10032-CCVA
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:46:50 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:33
Operator : MJB
Sample : 1E10032-CCVA
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

KAK 5/11/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:46:50 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.509f	5.770f	34060	52039	0.011	0.015	#
22) S	DCBP (S)	0.000	10.298	0	775549	N.D.	0.274	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.318	0.000	161044	0	0.044	N.D.	#
4)	b-BHC	6.387	6.786	33845	201085	0.022	BelowCal	#
5)	Heptachlor	6.726	7.081	111573	96748	0.033	0.026	
6)	d-BHC	6.571	7.027	67153	86810	0.020	0.014	#
7)	Aldrin	6.967	7.341	14252	27435	0.004	0.008	#
8)	Heptachlo...	7.429	7.813f	92069973	427203	29.194	0.129	#
9)	trans-Chl...	7.524	7.906	1405507	102.0E6	0.436	30.263	#
10)	cis-Chlor...	7.611	7.983f	159.1E6	171.4E6	50.487	52.873	
11)	Endosulfa...	7.720	0.000	632460	0	0.218	N.D.	#
12)	4,4'-DDE	7.720f	8.131	632460	351451	0.184	0.100	#
13)	Dieldrin	0.000	8.276	0	92673328	N.D.	28.175	#
14)	Endrin	8.088f	8.497	165.9E6	104.3E6	64.141	40.194	#
15)	4,4'-DDD	8.088f	8.538	165.9E6	181.7E6	61.308	64.305	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.308	0.000	70542	0	0.029	N.D.	#
18)	Endrin Al...	8.524	8.874	340555	324004	BelowCal	BelowCal	
19)	Endosulfa...	8.862f	9.066	665137	233968	0.266	0.088	#
20)	Methoxychlor	8.652	9.244	9631	128209	0.008	0.097	#
21)	Endrin Ke...	9.030	9.440	176816	108.4E6	0.059	38.160	#
23)	Hexachlor...	3.264	3.516	185.0E6	212.4E6	53.222	52.978	
24)	Hexachlor...	5.868	6.260	119.8E6	126.5E6	36.738 Q-31	35.210	Q-31
25)	Oxychlordane	7.356	7.707	141.4E6	150.3E6	51.290	51.121	

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:33
Operator : MJB
Sample : 1E10032-CCVA
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:46:50 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.429	7.906	92069973	102.0E6	41.196	43.890	
27)	trans-Non...	7.611	7.983	159.1E6	171.4E6	50.070	50.972	
28)	2,4'-DDD	7.807	8.276	80307010	92673328	42.381	47.055	
29)	2,4'-DDT	7.987	8.497	98486765	104.3E6	48.830	49.551	
30)	cis-Nonac...	8.088	8.538	165.9E6	181.7E6	49.449	50.622	
31)	Mirex	8.758	9.440	106.0E6	108.4E6	53.376	55.187	
32)	Chlordane...	7.611f	7.983	159.1E6	171.4E6	454.963	424.747	
33)	Chlordane...	0.000	8.131f	0	351451	N.D.	1.042	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.720	8.430f	632460	158654	42.042	5.005	#
37)	Toxaphene...	7.987	0.000	98486765	0	BelowCal	N.D.	
38)	Toxaphene...	8.308	0.000	70542	0	1.222	N.D.	#
39)	Toxaphene...	8.568	8.874	140002	324004	2.219	BelowCal	#
40)	Toxaphene...	0.000	9.041	0	144313	N.D.	BelowCal	
41)	Toxaphene...	8.862	9.394	665137	249954	12.347	4.354	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

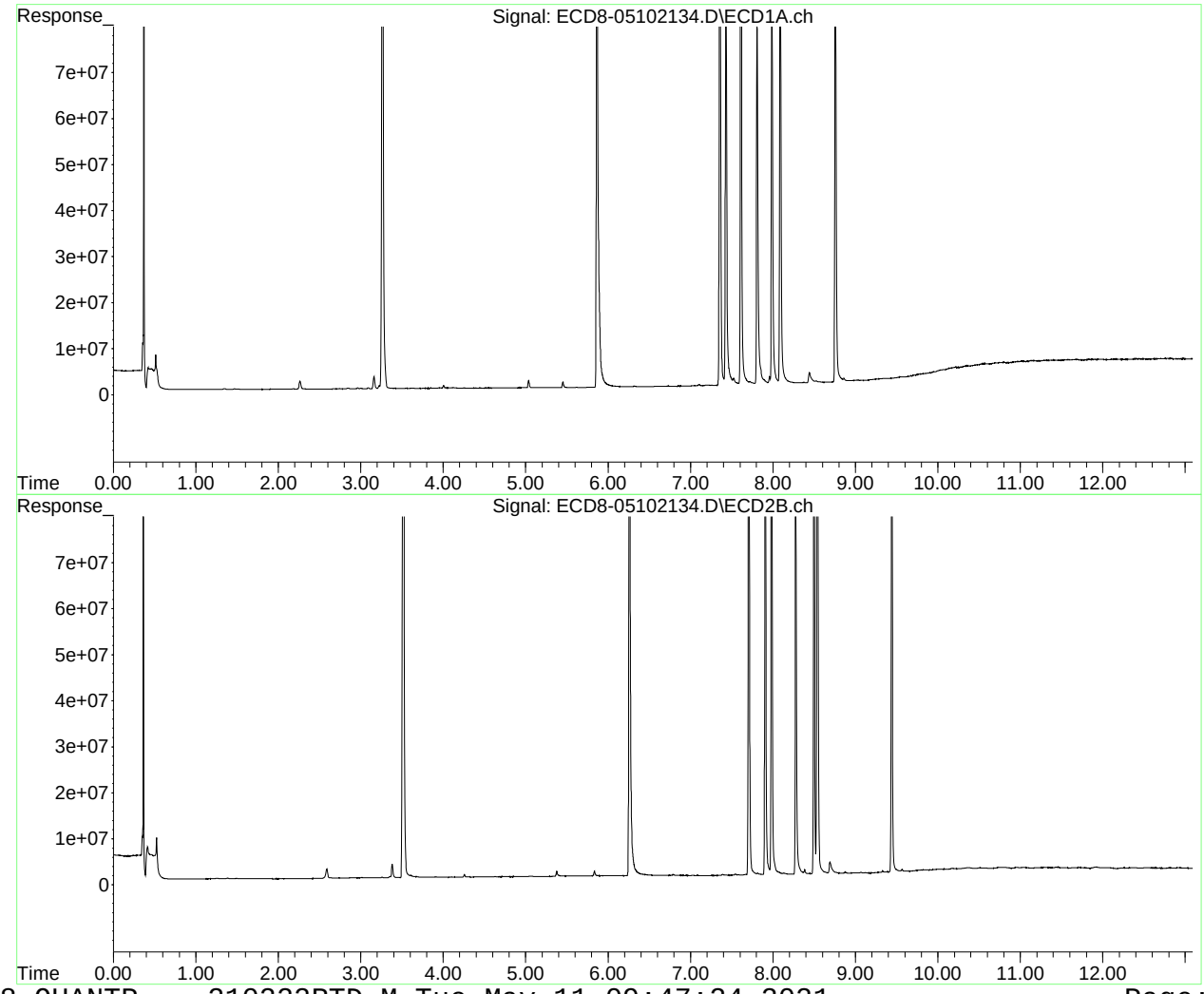
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:33
Operator : MJB
Sample : 1E10032-CCVA
Misc : A21C331, 9-42 Mix 50 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 09:46:50 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:50
Operator : MJB
Sample : 1E10032-CCB4
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:17:18 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	288.3E6	301.7E6	89.913	88.641	
22) S	DCBP (S)	9.710	10.295	212.4E6	211.8E6	111.379	121.727	
	Target Compounds							
2)	a-BHC	0.000	6.392	0	90795	N.D.	0.020	#
3)	g-BHC	0.000	6.721	0	26717	N.D.	0.007	#
4)	b-BHC	6.417	6.770	35627	27586	0.023	BelowCal	#
5)	Heptachlor	6.729	7.101f	10855	24927	0.003	0.007	#
6)	d-BHC	6.570	7.031	23423	51500	0.007	0.004	#
7)	Aldrin	0.000	7.342	0	40991	N.D.	0.012	#
8)	Heptachlo...	7.438	7.790	15782	16885	0.005	0.005	
9)	trans-Chl...	7.523	7.910	272318	21931	0.085	0.007	#
10)	cis-Chlor...	7.623	8.032	19344	39372	0.006	0.012	#
11)	Endosulfa...	7.724	8.081	16493	52774	0.006	0.018	#
12)	4,4'-DDE	7.689	8.150f	42625	50007	0.012	0.014	
13)	Dieldrin	7.899	8.277	21851	32936	0.007	0.010	#
14)	Endrin	8.067	8.503	19110	35198	0.007	0.017	#
15)	4,4'-DDD	8.116	8.539	10750	20636	0.004	0.007	#
16)	Endosulfa...	8.234	8.652	33443	54634	0.013	0.020	#
17)	4,4'-DDT	8.297	0.000	8067	0	0.003	N.D.	#
18)	Endrin Al...	8.524	8.872	249128	184353	BelowCal	BelowCal	
19)	Endosulfa...	8.831	9.068	46255	131372	0.018	0.049	#
20)	Methoxychlor	8.644	9.242	57405	104187	0.046	0.079	#
21)	Endrin Ke...	9.031	9.451	47214	197600	0.016	BelowCal	#
23)	Hexachlor...	0.000	3.519	0	8845	N.D.	0.002	#
24)	Hexachlor...	5.870	6.260	357899	142866	0.110	0.040	#
25)	Oxychlordane	7.358	7.717	14932	46706	0.005	0.016	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:50
Operator : MJB
Sample : 1E10032-CCB4
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:17:18 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.438	7.910	15782	21931	0.007	0.009	#
27)	trans-Non...	7.613	7.991	23014	41885	0.007	0.012	#
28)	2,4'-DDD	7.806	8.277	14522	32936	0.008	BelowCal	#
29)	2,4'-DDT	7.984	8.503	23985	35198	0.012	0.017	#
30)	cis-Nonac...	8.090	8.539	22447	20636	0.007	0.006	
31)	Mirex	8.757	9.451	54462	197600	21703.375	BelowCal	#
32)	Chlordane...	7.583	7.991	28102	41885	0.080	0.104	#
33)	Chlordane...	7.689	8.081f	42625	52774	0.123	0.156	#
34)	Chlordane...	8.234	0.000	33443	0	0.317	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.706	8.391	24969	12966	0.768	0.409	#
37)	Toxaphene...	8.006	0.000	10334	0	12094.479	N.D.	#
38)	Toxaphene...	8.327	0.000	8904	0	0.154	N.D.	#
39)	Toxaphene...	8.557	8.872	120543	184353	1.911	BelowCal	#
40)	Toxaphene...	8.789	9.046	19332	93274	0.407	BelowCal	#
41)	Toxaphene...	8.865	9.423	10845	182427	0.201	3.178	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

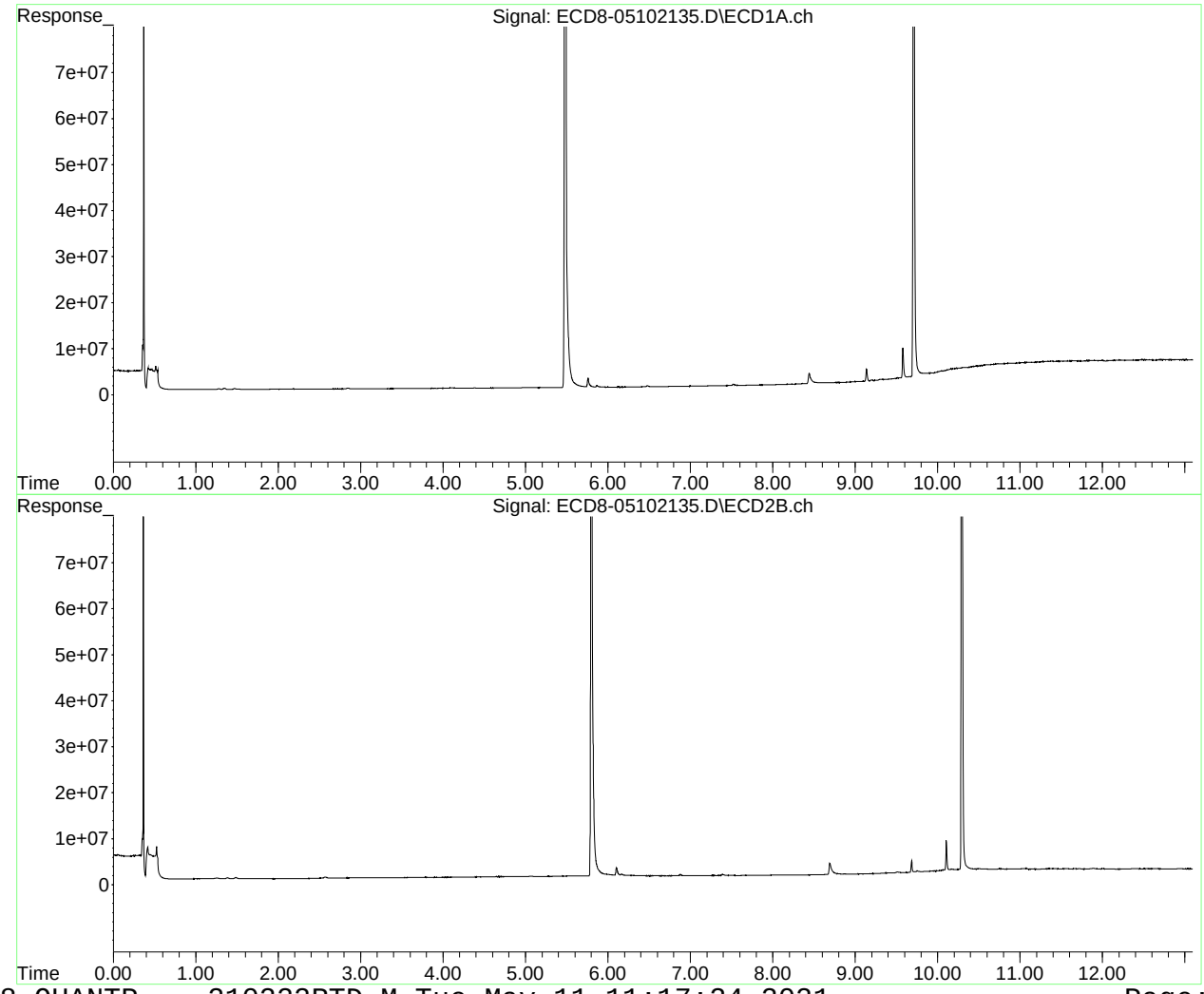
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:50
Operator : MJB
Sample : 1E10032-CCB4
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:17:18 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

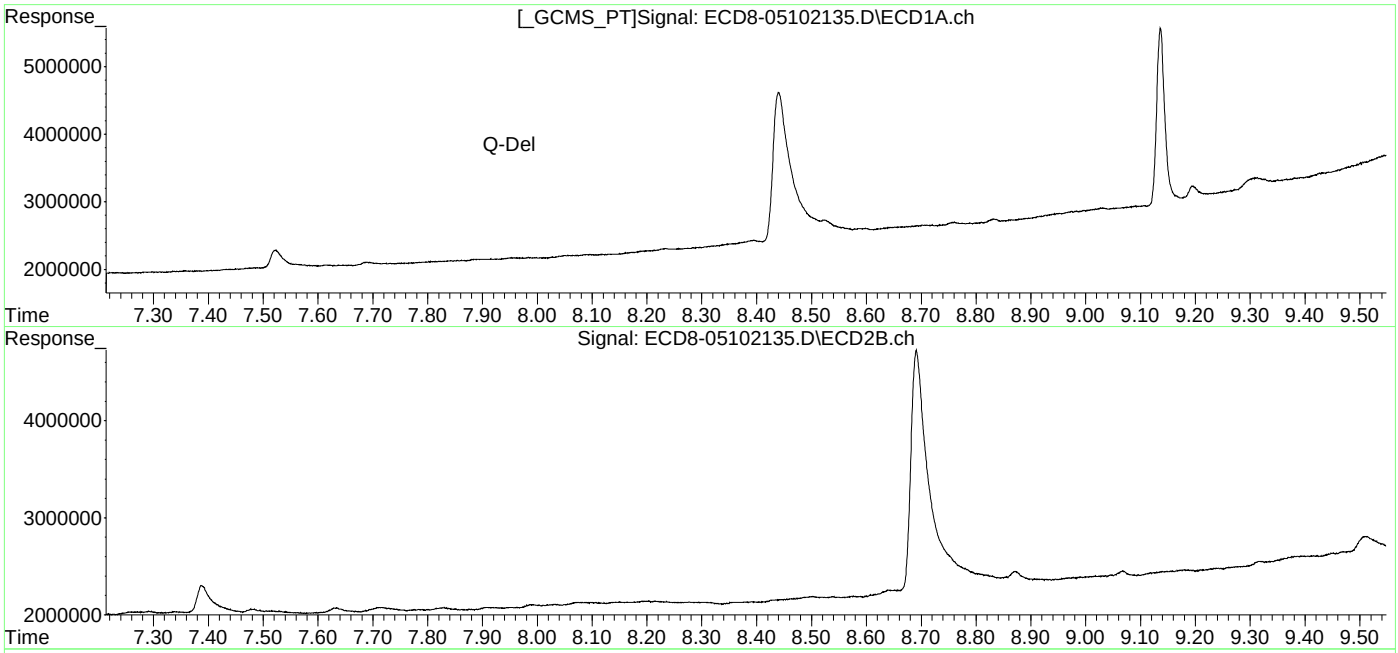


Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 18:50
Operator : MJB
Sample   : 1E10032-CCB4
Misc   : A21E029
ALS Vial : 7   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:17:18 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(37) Toxaphene (2)
0.000min   0.000 ng/mL d
response   0

(37) Toxaphene (2) #2
0.000min   0.000 ng/mL
response   0

(+) = Expected Retention Time
ECD8_QUANTP..._210222RTD.M Tue May 11 11:20:08 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:50
Operator : MJB
Sample : 1E10032-CCB4
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

KAK 5/11/21

Clean

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:20:00 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	288.3E6	301.7E6	89.913	88.641	
22) S	DCBP (S)	9.710	10.295	212.4E6	211.8E6	111.379	121.727	Q-41
	Target Compounds							
2)	a-BHC	0.000	6.392	0	90795	N.D.	0.020	#
3)	g-BHC	0.000	6.721	0	26717	N.D.	0.007	#
4)	b-BHC	6.417	6.770	35627	27586	0.023	BelowCal	#
5)	Heptachlor	6.729	7.101f	10855	24927	0.003	0.007	#
6)	d-BHC	6.570	7.031	23423	51500	0.007	0.004	#
7)	Aldrin	0.000	7.342	0	40991	N.D.	0.012	#
8)	Heptachlo...	7.438	7.790	15782	16885	0.005	0.005	
9)	trans-Chl...	7.523	7.910	272318	21931	0.085	0.007	#
10)	cis-Chlor...	7.623	8.032	19344	39372	0.006	0.012	#
11)	Endosulfa...	7.724	8.081	16493	52774	0.006	0.018	#
12)	4,4'-DDE	7.689	8.150f	42625	50007	0.012	0.014	
13)	Dieldrin	7.899	8.277	21851	32936	0.007	0.010	#
14)	Endrin	8.067	8.503	19110	35198	0.007	0.017	#
15)	4,4'-DDD	8.116	8.539	10750	20636	0.004	0.007	#
16)	Endosulfa...	8.234	8.652	33443	54634	0.013	0.020	#
17)	4,4'-DDT	8.297	0.000	8067	0	0.003	N.D.	#
18)	Endrin Al...	8.524	8.872	249128	184353	BelowCal	BelowCal	
19)	Endosulfa...	8.831	9.068	46255	131372	0.018	0.049	#
20)	Methoxychlor	8.644	9.242	57405	104187	0.046	0.079	#
21)	Endrin Ke...	9.031	9.451	47214	197600	0.016	BelowCal	#
23)	Hexachlor...	0.000	3.519	0	8845	N.D.	0.002	#
24)	Hexachlor...	5.870	6.260	357899	142866	0.110	0.040	#
25)	Oxychlordane	7.358	7.717	14932	46706	0.005	0.016	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:50
Operator : MJB
Sample : 1E10032-CCB4
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:20:00 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.438	7.910	15782	21931	0.007	0.009	#
27)	trans-Non...	7.613	7.991	23014	41885	0.007	0.012	#
28)	2,4'-DDD	7.806	8.277	14522	32936	0.008	BelowCal	#
29)	2,4'-DDT	7.984	8.503	23985	35198	0.012	0.017	#
30)	cis-Nonac...	8.090	8.539	22447	20636	0.007	0.006	
31)	Mirex	8.757	9.451	54462	197600	21703.375	BelowCal	#
32)	Chlordane...	7.583	7.991	28102	41885	0.080	0.104	#
33)	Chlordane...	7.689	8.081f	42625	52774	0.123	0.156	#
34)	Chlordane...	8.234	0.000	33443	0	0.317	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.706	8.391	24969	12966	0.768	0.409	#
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D.	
38)	Toxaphene...	8.327	0.000	8904	0	0.154	N.D.	#
39)	Toxaphene...	8.557	8.872	120543	184353	1.911	BelowCal	#
40)	Toxaphene...	8.789	9.046	19332	93274	0.407	BelowCal	#
41)	Toxaphene...	8.865	9.423	10845	182427	0.201	3.178	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

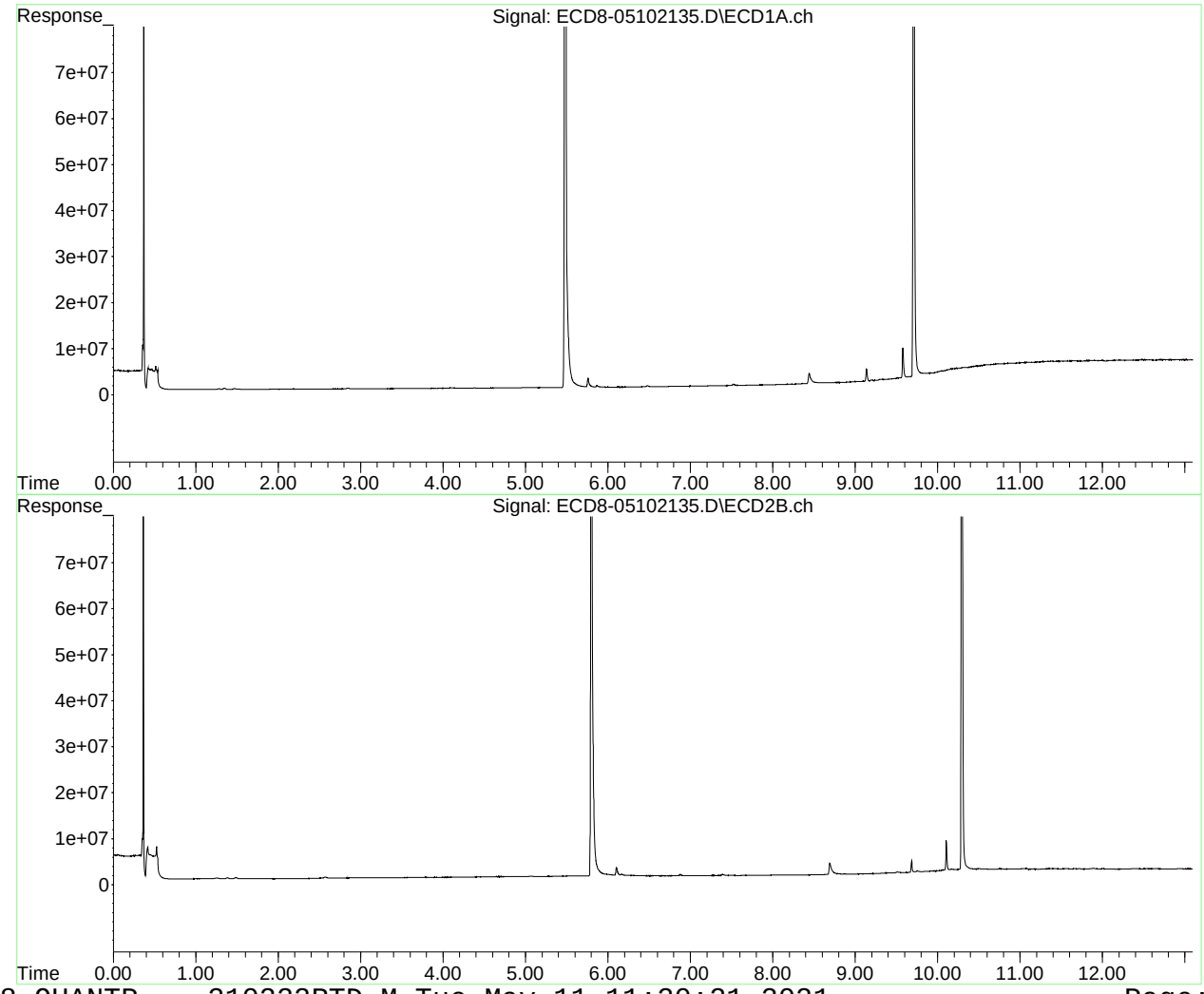
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 18:50
Operator : MJB
Sample : 1E10032-CCB4
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:20:00 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:06
Operator : MJB
Sample : 1050274-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:27:04 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	191.6E6	200.9E6	59.743	59.027	
22) S	DCBP (S)	9.709	10.295	170.4E6	171.0E6	88.177	98.467	
	Target Compounds							
2)	a-BHC	6.074f	6.370f	84449	443744	0.020	0.098	#
3)	g-BHC	6.309	6.673f	23181	335817	0.006	0.086	#
4)	b-BHC	6.388	6.776	58062	226351	0.037	BelowCal	#
5)	Heptachlor	6.736	7.075	92262	163391	0.027	0.044	#
6)	d-BHC	6.556	7.016	66547	193076	0.020	0.043	#
7)	Aldrin	6.943f	0.000	28126	0	0.008	N.D.	#
8)	Heptachlo...	7.436	7.754f	33700	1634177	0.011	0.494	#
9)	trans-Chl...	7.518	7.914	111641	122457	0.035	0.036	
10)	cis-Chlor...	7.620	8.022	39129	72211	0.012	0.022	#
11)	Endosulfa...	7.723	8.050	26763	283352	0.009	0.094	#
12)	4,4'-DDE	7.678	8.131	92434	77930	0.027	0.022	
13)	Dieldrin	7.899	8.268	71413	59196	0.023	0.018	
14)	Endrin	8.068	8.486	41944	55627	0.016	0.025	#
15)	4,4'-DDD	8.113	8.543	64973	50299	0.024	0.018	#
16)	Endosulfa...	8.231	8.644	85165	168449	0.034	0.063	#
17)	4,4'-DDT	8.306	8.766	77381	254514	0.032	0.073	#
18)	Endrin Al...	8.550f	8.860	136749	453241	BelowCal	BelowCal	
19)	Endosulfa...	8.844	9.065	178729	74513	0.071	0.028	#
20)	Methoxychlor	8.648	9.237	71863	99269	0.057	0.075	#
21)	Endrin Ke...	9.030	9.449	92811	242912	0.031	BelowCal	#
23)	Hexachlor...	3.265	3.480f	474233	17664613	0.136	4.406	#
24)	Hexachlor...	5.869	6.262	609861	662173	0.187	0.184	
25)	Oxychlordane	7.338	7.670f	78779	89969	0.029	0.031	

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:06
Operator : MJB
Sample : 1050274-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:27:04 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.436	7.914	33700	122457	0.015	0.053	#
27)	trans-Non...	7.620	7.988	39129	104197	0.012	0.031	#
28)	2,4'-DDD	7.805	8.281	19808	41006	0.010	BelowCal	#
29)	2,4'-DDT	7.988	8.486	17645	55627	0.009	0.026	#
30)	cis-Nonac...	8.091	8.543	24808	50299	0.007	0.014	#
31)	Mirex	8.759	9.449	33177	242912	21703.386	BelowCal	#
32)	Chlordane...	7.620f	7.988	39129	104197	0.112	0.258	#
33)	Chlordane...	7.678	8.108	92434	63224	0.266	0.187	#
34)	Chlordane...	8.231	8.766	85165	254514	0.807	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.708	8.422	19603	24390	0.405	0.769	#
37)	Toxaphene...	8.003	8.766	8720	254514	12094.530	6.594	#
38)	Toxaphene...	8.335	8.809	78507	90951	1.360	1.575	
39)	Toxaphene...	8.550	8.860	136749	453241	2.168	1.314	#
40)	Toxaphene...	8.779	9.040	15015	28221	0.316	BelowCal	#
41)	Toxaphene...	8.868	9.421	89861	267762	1.668	4.664	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

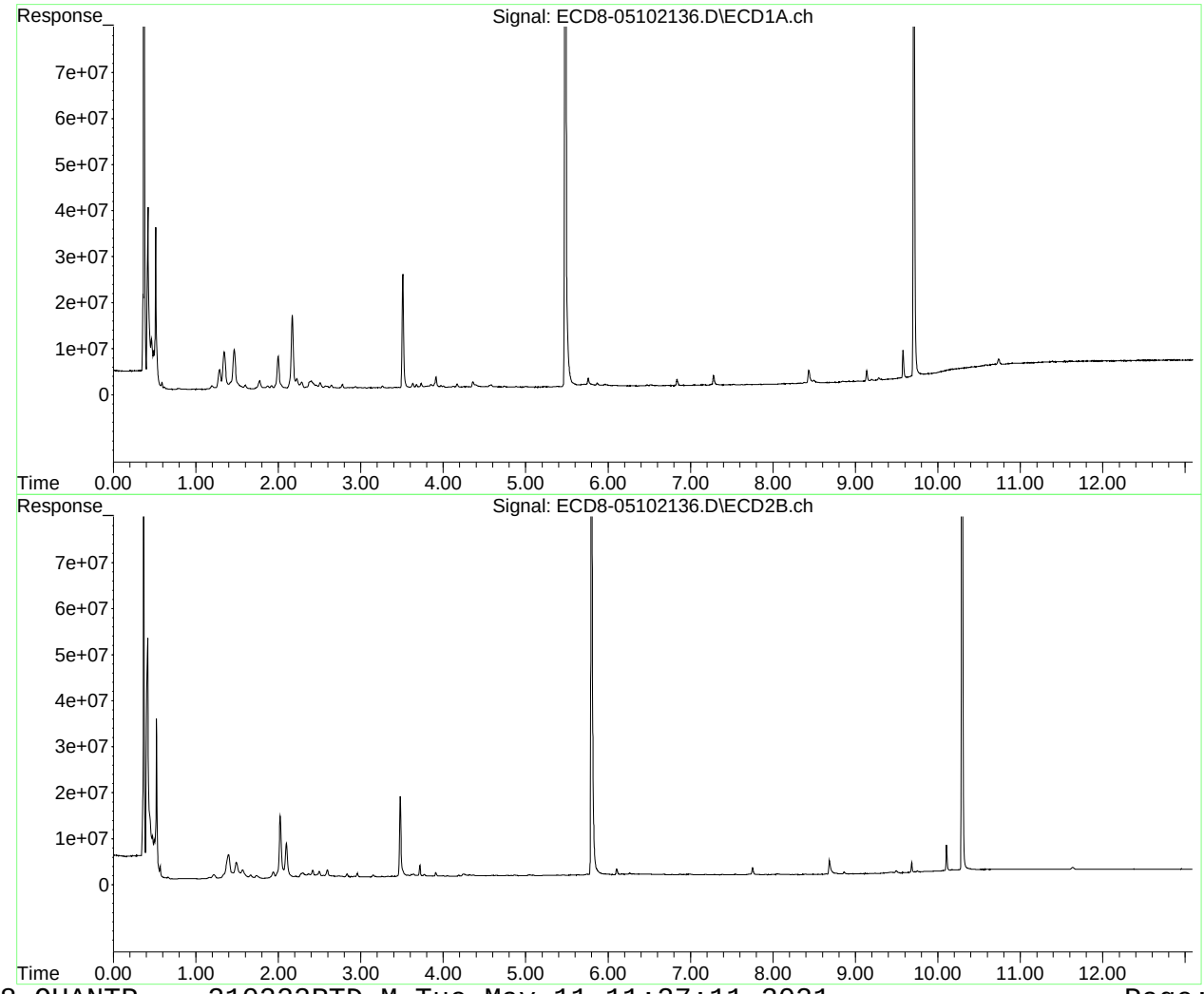
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:06
Operator : MJB
Sample : 1050274-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:27:04 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

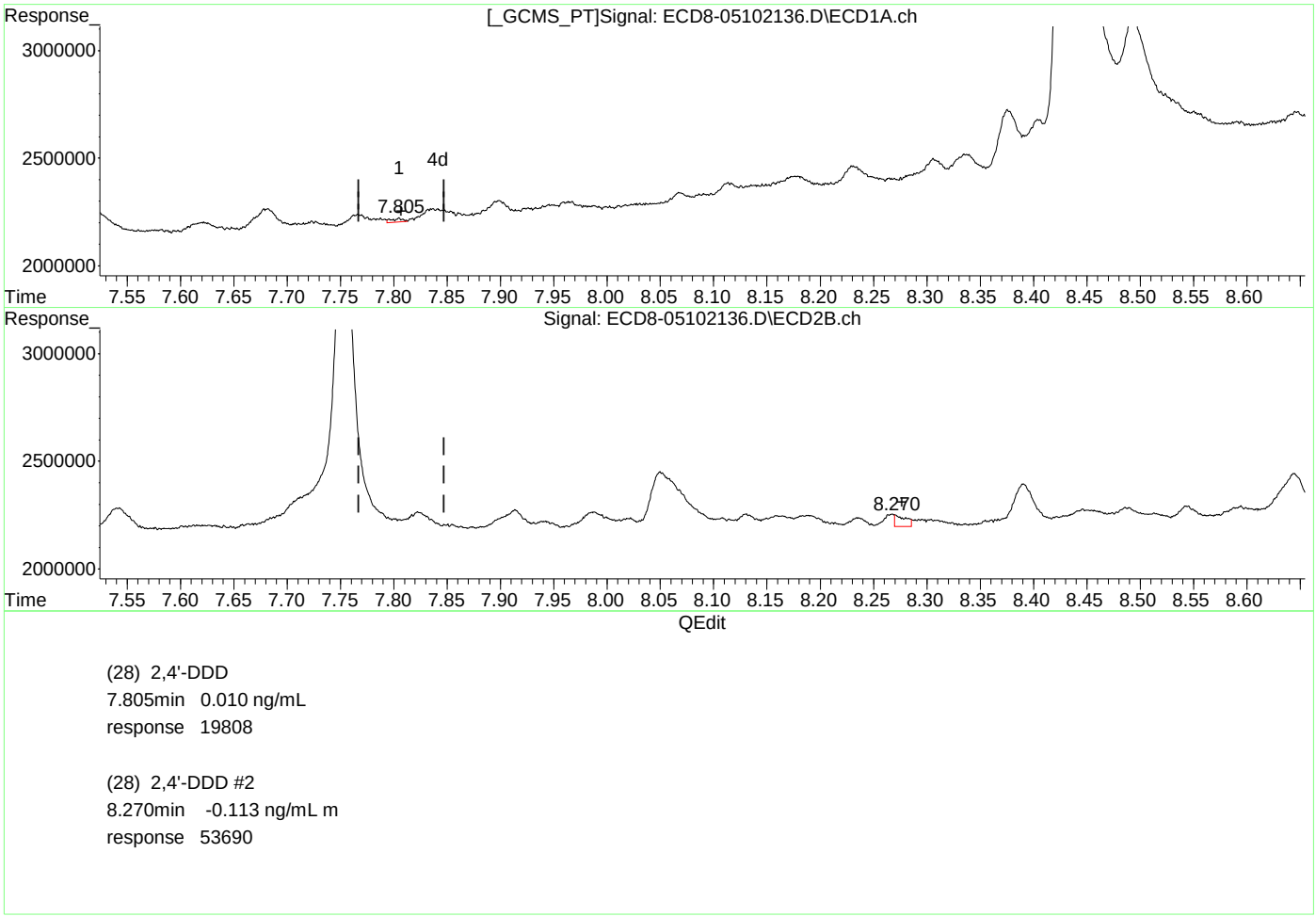


Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:06
Operator : MJB
Sample   : 1050274-BLK1
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:27:04 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD
7.805min 0.010 ng/mL
response 19808

(28) 2,4'-DDD #2
8.270min -0.113 ng/mL m
response 53690

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:06
Operator : MJB
Sample : 1050274-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21 Sample Multiplier: 1

KAK 5/11/21

Clean

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:29:57 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	191.6E6	200.9E6	59.743	59.027	
22) S	DCBP (S)	9.709	10.295	170.4E6	171.0E6	88.177	98.467	Q-41
	Target Compounds							
2)	a-BHC	6.074f	6.370f	84449	443744	0.020	0.098	#
3)	g-BHC	6.309	6.673f	23181	335817	0.006	0.086	#
4)	b-BHC	6.388	6.776	58062	226351	0.037	BelowCal	#
5)	Heptachlor	6.736	7.075	92262	163391	0.027	0.044	#
6)	d-BHC	6.556	7.016	66547	193076	0.020	0.043	#
7)	Aldrin	6.943f	0.000	28126	0	0.008	N.D.	#
8)	Heptachlo...	7.436	7.754f	33700	1634177	0.011	0.494	#
9)	trans-Chl...	7.518	7.914	111641	122457	0.035	0.036	
10)	cis-Chlor...	7.620	8.022	39129	72211	0.012	0.022	#
11)	Endosulfa...	7.723	8.050	26763	283352	0.009	0.094	#
12)	4,4'-DDE	7.678	8.131	92434	77930	0.027	0.022	
13)	Dieldrin	7.899	8.268	71413	59196	0.023	0.018	
14)	Endrin	8.068	8.486	41944	55627	0.016	0.025	#
15)	4,4'-DDD	8.113	8.543	64973	50299	0.024	0.018	#
16)	Endosulfa...	8.231	8.644	85165	168449	0.034	0.063	#
17)	4,4'-DDT	8.306	8.766	77381	254514	0.032	0.073	#
18)	Endrin Al...	8.550f	8.860	136749	453241	BelowCal	BelowCal	
19)	Endosulfa...	8.844	9.065	178729	74513	0.071	0.028	#
20)	Methoxychlor	8.648	9.237	71863	99269	0.057	0.075	#
21)	Endrin Ke...	9.030	9.449	92811	242912	0.031	BelowCal	#
23)	Hexachlor...	3.265	3.480f	474233	17664613	0.136	4.406	#
24)	Hexachlor...	5.869	6.262	609861	662173	0.187	0.184	
25)	Oxychlordane	7.338	7.670f	78779	89969	0.029	0.031	

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:06
Operator : MJB
Sample : 1050274-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:29:57 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
26)	2,4'-DDE	7.436	7.914	33700	122457	0.015	0.053 #
27)	trans-Non...	7.620	7.988	39129	104197	0.012	0.031 #
28)	2,4'-DDD	7.805	8.270	19808	53690	0.010	BelowCalm#
29)	2,4'-DDT	7.988	8.486	17645	55627	0.009	0.026 #
30)	cis-Nonac...	8.091	8.543	24808	50299	0.007	0.014 #
31)	Mirex	8.759	9.449	33177	242912	21703.386	BelowCal #
32)	Chlordane...	7.620f	7.988	39129	104197	0.112	0.258 #
33)	Chlordane...	7.678	8.108	92434	63224	0.266	0.187 #
34)	Chlordane...	8.231	8.766	85165	254514	0.807	BelowCal #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.708	8.422	19603	24390	0.405	0.769 #
37)	Toxaphene...	8.003	8.766	8720	254514	12094.530	6.594 #
38)	Toxaphene...	8.335	8.809	78507	90951	1.360	1.575
39)	Toxaphene...	8.550	8.860	136749	453241	2.168	1.314 #
40)	Toxaphene...	8.779	9.040	15015	28221	0.316	BelowCal #
41)	Toxaphene...	8.868	9.421	89861	267762	1.668	4.664 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

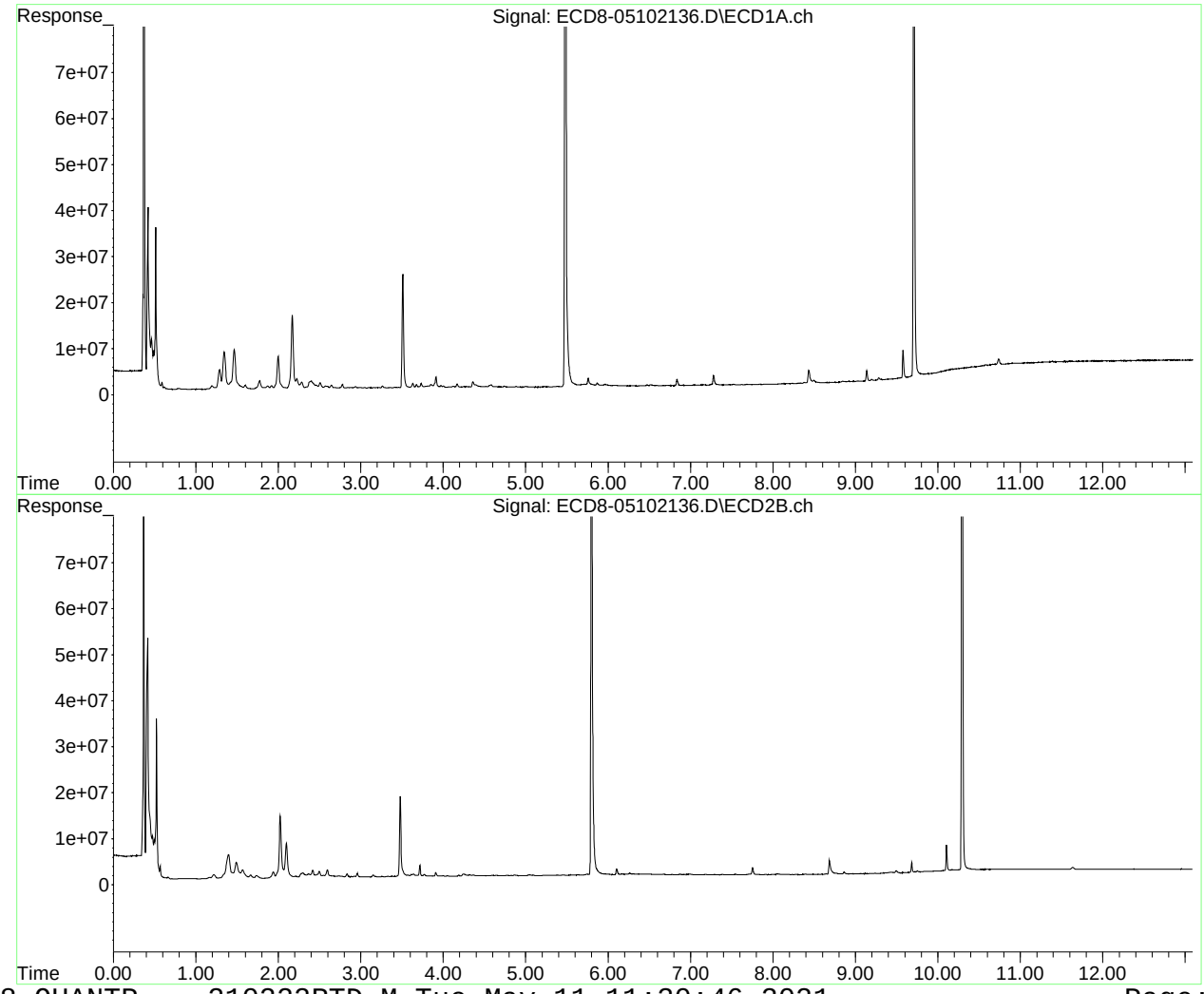
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:06
Operator : MJB
Sample : 1050274-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:29:57 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:22
Operator : MJB
Sample : 1050274-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:31:51 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.482	5.798	215.6E6	221.4E6	67.247	65.040	
22)	S	DCBP (S)	9.708	10.294	180.5E6	182.4E6	93.702	104.963	
		Target Compounds							
2)		a-BHC	6.024	6.371f	53882	261271	0.013	0.058	#
3)		g-BHC	6.321	6.672f	21882	198684	0.006	0.051	#
4)		b-BHC	6.406	6.776	16010	134656	0.010	BelowCal	#
5)		Heptachlor	6.732	7.073	112794	85392	0.033	0.023	#
6)		d-BHC	6.556	7.017	66896	111646	0.020	0.021	
7)		Aldrin	6.965	0.000	10967	0	0.003	N.D.	#
8)		Heptachlo...	7.426	7.751f	85522673	1531445	27.118	0.463	#
9)		trans-Chl...	0.000	7.905	0	91365074	N.D.	27.102	#
10)		cis-Chlor...	7.637	0.000	61849	0	0.020	N.D.	#
11)		Endosulfa...	0.000	8.068	0	97672	N.D.	0.032	#
12)		4,4'-DDE	7.679	8.129	135.3E6	150.8E6	39.298	42.895	
13)		Dieldrin	0.000	8.275	0	88541857	N.D.	26.919	#
14)		Endrin	0.000	8.495	0	101.9E6	N.D.	39.335	#
15)		4,4'-DDD	8.109	8.541	112.6E6	125.9E6	41.597	44.546	
16)		Endosulfa...	0.000	8.645	0	578455	N.D.	0.217	#
17)		4,4'-DDT	8.305	8.766	120.8E6	130.5E6	49.264	51.220	
18)		Endrin Al...	8.493f	8.858	575947	465344	BelowCal	BelowCal	
19)		Endosulfa...	8.841	9.066	72207	38356	0.029	0.014	#
20)		Methoxychlor	8.643	9.236	100994	81201	0.081	0.062	
21)		Endrin Ke...	9.028	9.450	25674	94312	0.009	BelowCal	#
23)		Hexachlor...	3.266	3.479f	378297	15435225	0.109	3.850	#
24)		Hexachlor...	5.869	6.262	488221	381867	0.150	0.106	#
25)		Oxychlordane	7.332f	7.711	118258	162541	0.043	0.055	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:22
Operator : MJB
Sample : 1050274-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:31:51 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.426	7.905	85522673	91365074	38.266	39.306	
27)	trans-Non...	7.607	0.000	97654	0	0.031	N.D.	#
28)	2,4'-DDD	7.804	8.275	83930921	88541857	44.294	45.022	
29)	2,4'-DDT	7.985	8.495	97832766	101.9E6	48.506	48.431	
30)	cis-Nonac...	8.109	8.541	112.6E6	125.9E6	33.550	35.068	
31)	Mirex	8.755	9.450	34098	94312	21703.386	BelowCal	#
32)	Chlordane...	7.582	0.000	149842	0	0.428	N.D.	#
33)	Chlordane...	7.679	8.129f	135.3E6	150.8E6	389.247	446.852	
34)	Chlordane...	0.000	8.766	0	130.5E6	N.D.	1185.680	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.679f	8.430f	135.3E6	85434	BelowCal	2.695	
37)	Toxaphene...	7.985	8.766	97832766	130.5E6	BelowCal	3381.529	
38)	Toxaphene...	8.305	8.766f	120.8E6	130.5E6	2092.292	2259.705	
39)	Toxaphene...	0.000	8.858	0	465344	N.D.	1.452	#
40)	Toxaphene...	0.000	9.043	0	24210	N.D.	BelowCal	
41)	Toxaphene...	8.877	9.424	37394	109799	0.694	1.913	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

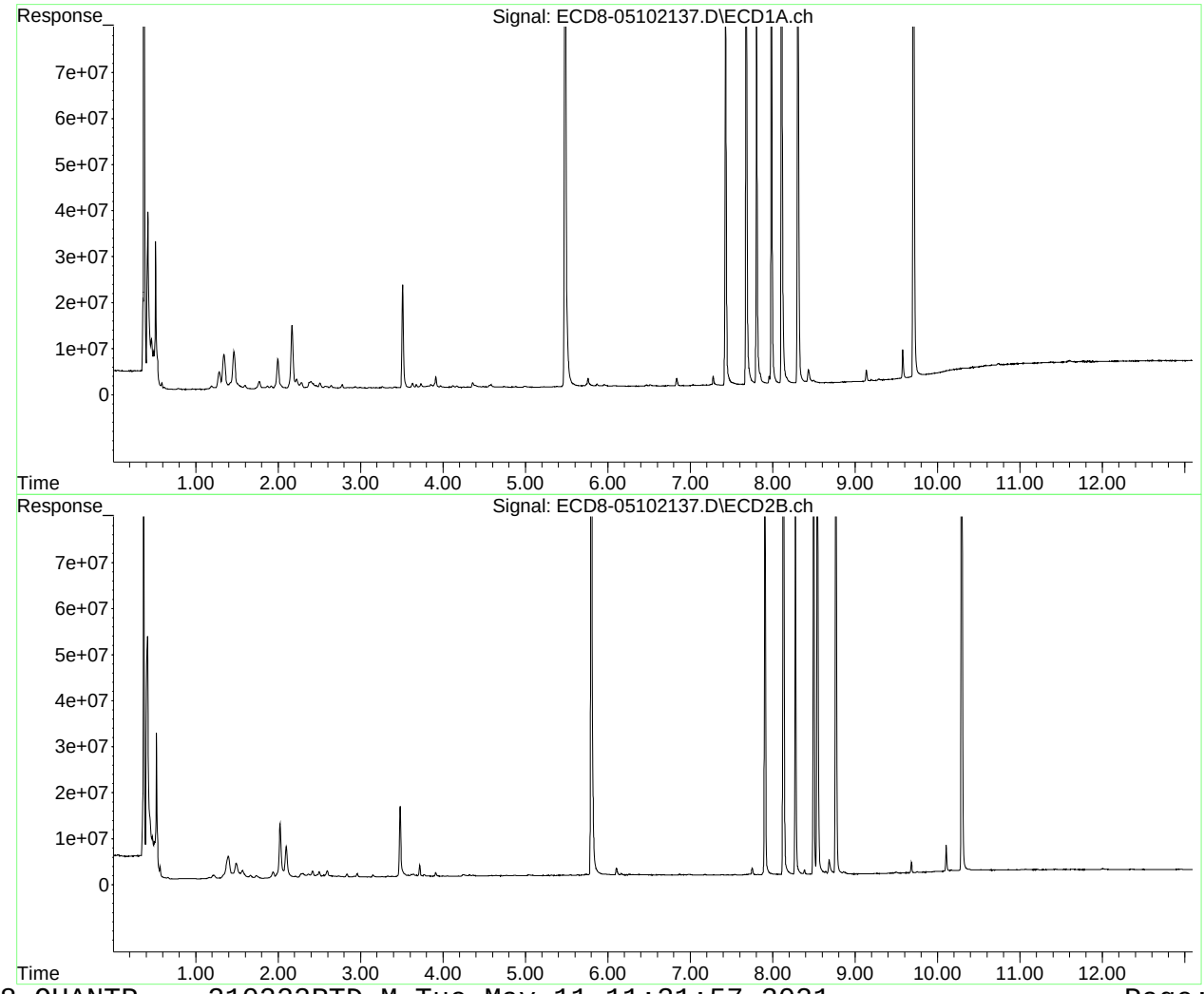
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:22
Operator : MJB
Sample : 1050274-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:31:51 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:22
Operator : MJB
Sample : 1050274-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 22 Sample Multiplier: 1

KAK 5/11/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:31:51 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.798	215.6E6	221.4E6	67.247	65.040	
22) S	DCBP (S)	9.708	10.294	180.5E6	182.4E6	93.702	104.963	Q-41
	Target Compounds							
2)	a-BHC	6.024	6.371f	53882	261271	0.013	0.058	#
3)	g-BHC	6.321	6.672f	21882	198684	0.006	0.051	#
4)	b-BHC	6.406	6.776	16010	134656	0.010	BelowCal	#
5)	Heptachlor	6.732	7.073	112794	85392	0.033	0.023	#
6)	d-BHC	6.556	7.017	66896	111646	0.020	0.021	
7)	Aldrin	6.965	0.000	10967	0	0.003	N.D.	#
8)	Heptachlo...	7.426	7.751f	85522673	1531445	27.118	0.463	#
9)	trans-Chl...	0.000	7.905	0	91365074	N.D.	27.102	#
10)	cis-Chlor...	7.637	0.000	61849	0	0.020	N.D.	#
11)	Endosulfa...	0.000	8.068	0	97672	N.D.	0.032	#
12)	4,4'-DDE	7.679	8.129	135.3E6	150.8E6	39.298	42.895	
13)	Dieldrin	0.000	8.275	0	88541857	N.D.	26.919	#
14)	Endrin	0.000	8.495	0	101.9E6	N.D.	39.335	#
15)	4,4'-DDD	8.109	8.541	112.6E6	125.9E6	41.597	44.546	
16)	Endosulfa...	0.000	8.645	0	578455	N.D.	0.217	#
17)	4,4'-DDT	8.305	8.766	120.8E6	130.5E6	49.264	51.220	
18)	Endrin Al...	8.493f	8.858	575947	465344	BelowCal	BelowCal	
19)	Endosulfa...	8.841	9.066	72207	38356	0.029	0.014	#
20)	Methoxychlor	8.643	9.236	100994	81201	0.081	0.062	
21)	Endrin Ke...	9.028	9.450	25674	94312	0.009	BelowCal	#
23)	Hexachlor...	3.266	3.479f	378297	15435225	0.109	3.850	#
24)	Hexachlor...	5.869	6.262	488221	381867	0.150	0.106	#
25)	Oxychlordane	7.332f	7.711	118258	162541	0.043	0.055	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:22
Operator : MJB
Sample : 1050274-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:31:51 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.426	7.905	85522673	91365074	38.266	39.306	
27)	trans-Non...	7.607	0.000	97654	0	0.031	N.D.	#
28)	2,4'-DDD	7.804	8.275	83930921	88541857	44.294	45.022	
29)	2,4'-DDT	7.985	8.495	97832766	101.9E6	48.506	48.431	
30)	cis-Nonac...	8.109	8.541	112.6E6	125.9E6	33.550	35.068	
31)	Mirex	8.755	9.450	34098	94312	21703.386	BelowCal	#
32)	Chlordane...	7.582	0.000	149842	0	0.428	N.D.	#
33)	Chlordane...	7.679	8.129f	135.3E6	150.8E6	389.247	446.852	
34)	Chlordane...	0.000	8.766	0	130.5E6	N.D.	1185.680	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.679f	8.430f	135.3E6	85434	BelowCal	2.695	
37)	Toxaphene...	7.985	8.766	97832766	130.5E6	BelowCal	3381.529	
38)	Toxaphene...	8.305	8.766f	120.8E6	130.5E6	2092.292	2259.705	
39)	Toxaphene...	0.000	8.858	0	465344	N.D.	1.452	#
40)	Toxaphene...	0.000	9.043	0	24210	N.D.	BelowCal	
41)	Toxaphene...	8.877	9.424	37394	109799	0.694	1.913	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

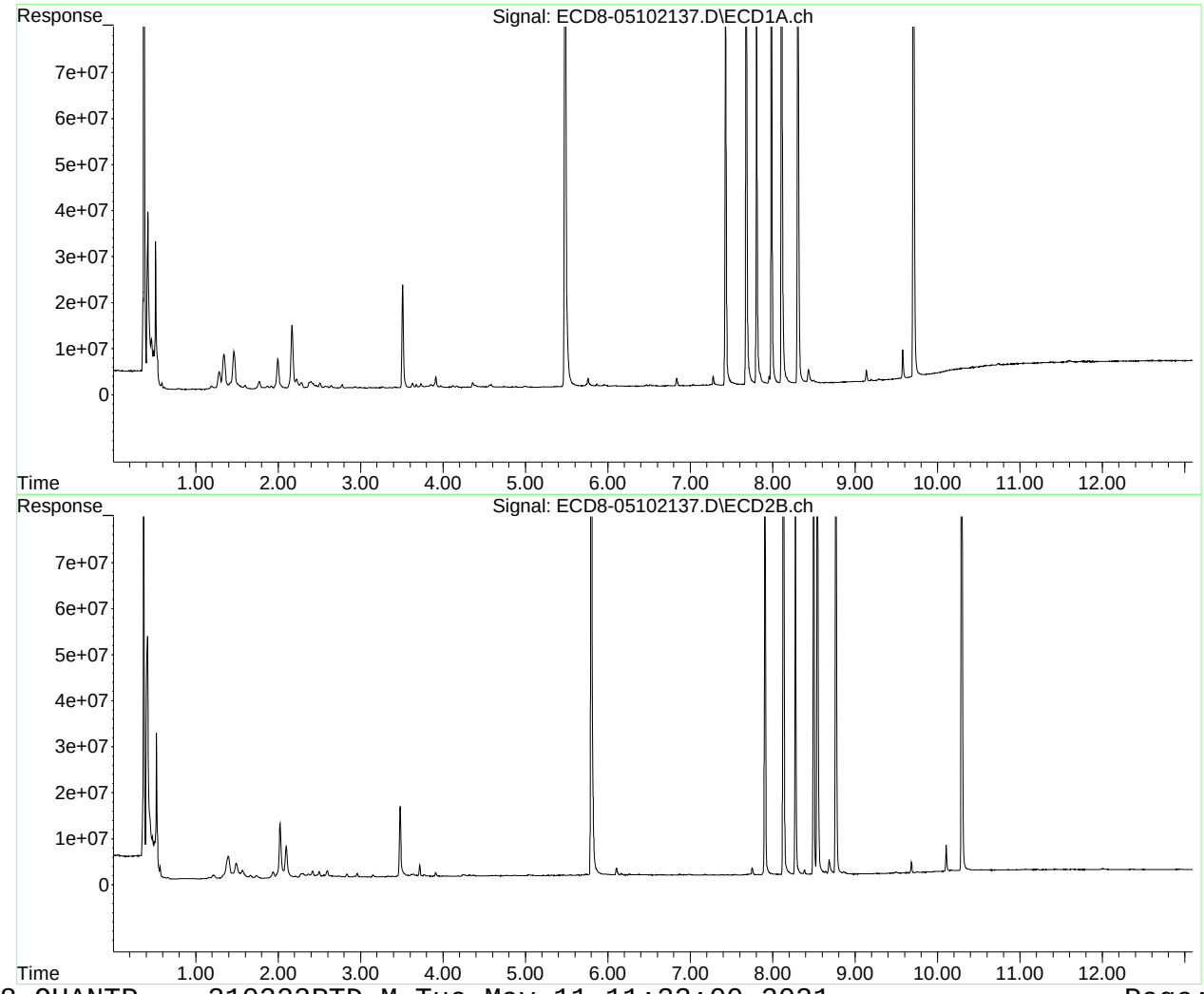
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:22
Operator : MJB
Sample : 1050274-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:31:51 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:39
Operator : MJB
Sample : 1050274-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:33:53 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.798	201.0E6	208.3E6	62.674	61.200	
22) S	DCBP (S)	9.708	10.294	191.4E6	193.1E6	99.712	111.048	
	Target Compounds							
2)	a-BHC	0.000	6.367f	0	208731	N.D.	0.046	#
3)	g-BHC	6.300f	6.671f	71251	167331	0.020	0.043	#
4)	b-BHC	6.385f	6.774	80695	90828	0.052	BelowCal	#
5)	Heptachlor	6.734	7.071	117558	61326	0.034	0.017	#
6)	d-BHC	6.559	6.995f	61180	192691	0.018	0.043	#
7)	Aldrin	0.000	7.381f	0	889722	N.D.	0.253	#
8)	Heptachlo...	7.426	7.751f	71415167	1729274	22.645	0.523	#
9)	trans-Chl...	7.515	7.904	1159430	75634202	0.360	22.436	#
10)	cis-Chlor...	7.614	8.024	93213	132027	0.030	0.041	#
11)	Endosulfa...	0.000	8.067	0	83103	N.D.	0.028	#
12)	4,4'-DDE	7.679	8.129	113.4E6	122.5E6	32.930	34.860	
13)	Dieldrin	0.000	8.274	0	73142220	N.D.	22.237	#
14)	Endrin	0.000	8.495	0	81642527	N.D.	31.865	#
15)	4,4'-DDD	8.108	8.541	91432003	99634880	33.782	35.265	
16)	Endosulfa...	0.000	8.645	0	512131	N.D.	0.192	#
17)	4,4'-DDT	8.304	8.765	100.1E6	109.5E6	40.828	43.517	
18)	Endrin Al...	8.523	8.866	437601	617913	BelowCal	BelowCal	
19)	Endosulfa...	8.829	9.064	37314	42184	0.015	0.016	
20)	Methoxychlor	8.643	9.235	92939	83590	0.074	0.064	
21)	Endrin Ke...	9.029	9.449	29055	82494	0.010	BelowCal	#
23)	Hexachlor...	3.264	3.480f	953433	16424877	0.274	4.097	#
24)	Hexachlor...	5.868	6.262	385145	267721	0.118	0.075	#
25)	Oxychlordane	7.333f	7.706	119270	183580	0.043	0.062	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:39
Operator : MJB
Sample : 1050274-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:33:53 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.426	7.904	71415167	75634202	31.954	32.538	
27)	trans-Non...	7.614	0.000	93213	0	0.029	N.D.	#
28)	2,4'-DDD	7.804	8.274	66754522	73142220	35.229	37.391	
29)	2,4'-DDT	7.985	8.495	82253865	81642527	40.782	38.799	
30)	cis-Nonac...	8.108	8.541	91432003	99634880	27.247	27.761	
31)	Mirex	8.758	9.449	40146	82494	21703.383	BelowCal	#
32)	Chlordane...	7.614f	8.024f	93213	132027	0.266	0.327	
33)	Chlordane...	7.679	8.129f	113.4E6	122.5E6	326.177	363.149	
34)	Chlordane...	0.000	8.765	0	109.5E6	N.D.	1010.758	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.679f	8.426	113.4E6	75246	BelowCal	2.374	
37)	Toxaphene...	7.985	8.765	82253865	109.5E6	3676.619	2836.174	
38)	Toxaphene...	8.304	8.765f	100.1E6	109.5E6	1734.014	1895.272	
39)	Toxaphene...	8.594f	8.866	56732	617913	0.899	3.191	#
40)	Toxaphene...	8.829f	9.046	37314	22928	0.785	BelowCal	#
41)	Toxaphene...	8.829f	9.409	37314	35094	0.693	0.611	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

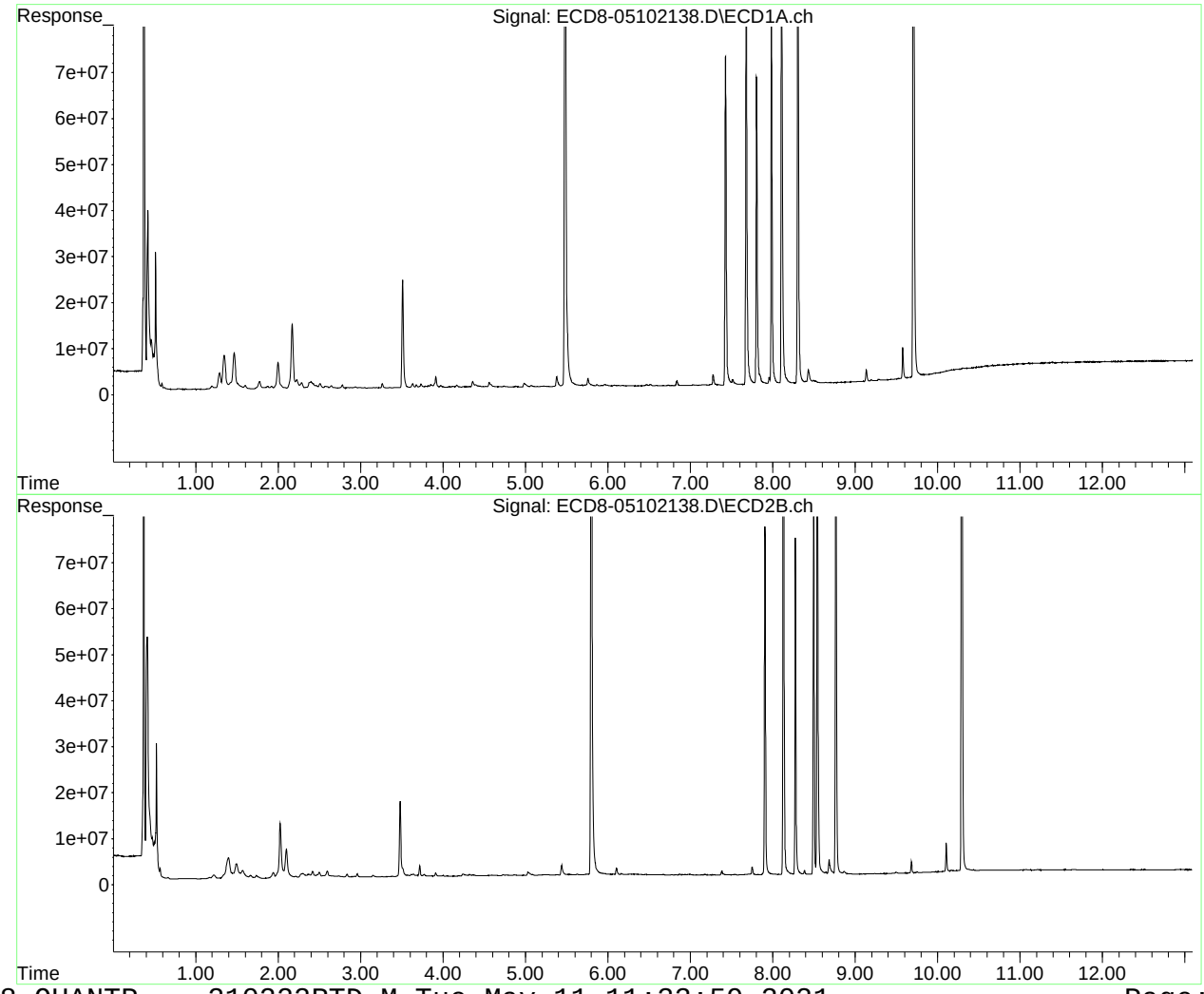
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:39
Operator : MJB
Sample : 1050274-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:33:53 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:39
Operator : MJB
Sample : 1050274-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 23 Sample Multiplier: 1

KAK 5/11/21

Q-19

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:33:53 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.481	5.798	201.0E6	208.3E6	62.674	61.200	
22)	S DCBP (S)	9.708	10.294	191.4E6	193.1E6	99.712	111.048	Q-41
	Target Compounds							
2)	a-BHC	0.000	6.367f	0	208731	N.D.	0.046	#
3)	g-BHC	6.300f	6.671f	71251	167331	0.020	0.043	#
4)	b-BHC	6.385f	6.774	80695	90828	0.052	BelowCal	#
5)	Heptachlor	6.734	7.071	117558	61326	0.034	0.017	#
6)	d-BHC	6.559	6.995f	61180	192691	0.018	0.043	#
7)	Aldrin	0.000	7.381f	0	889722	N.D.	0.253	#
8)	Heptachlo...	7.426	7.751f	71415167	1729274	22.645	0.523	#
9)	trans-Chl...	7.515	7.904	1159430	75634202	0.360	22.436	#
10)	cis-Chlor...	7.614	8.024	93213	132027	0.030	0.041	#
11)	Endosulfa...	0.000	8.067	0	83103	N.D.	0.028	#
12)	4,4'-DDE	7.679	8.129	113.4E6	122.5E6	32.930	34.860	
13)	Dieldrin	0.000	8.274	0	73142220	N.D.	22.237	#
14)	Endrin	0.000	8.495	0	81642527	N.D.	31.865	#
15)	4,4'-DDD	8.108	8.541	91432003	99634880	33.782	35.265	
16)	Endosulfa...	0.000	8.645	0	512131	N.D.	0.192	#
17)	4,4'-DDT	8.304	8.765	100.1E6	109.5E6	40.828	43.517	
18)	Endrin Al...	8.523	8.866	437601	617913	BelowCal	BelowCal	
19)	Endosulfa...	8.829	9.064	37314	42184	0.015	0.016	
20)	Methoxychlor	8.643	9.235	92939	83590	0.074	0.064	
21)	Endrin Ke...	9.029	9.449	29055	82494	0.010	BelowCal	#
23)	Hexachlor...	3.264	3.480f	953433	16424877	0.274	4.097	#
24)	Hexachlor...	5.868	6.262	385145	267721	0.118	0.075	#
25)	Oxychlordane	7.333f	7.706	119270	183580	0.043	0.062	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:39
Operator : MJB
Sample : 1050274-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:33:53 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.426	7.904	71415167	75634202	31.954	32.538	
27)	trans-Non...	7.614	0.000	93213	0	0.029	N.D.	#
28)	2,4'-DDD	7.804	8.274	66754522	73142220	35.229	37.391	
29)	2,4'-DDT	7.985	8.495	82253865	81642527	40.782	38.799	
30)	cis-Nonac...	8.108	8.541	91432003	99634880	27.247	27.761	
31)	Mirex	8.758	9.449	40146	82494	21703.383	BelowCal	#
32)	Chlordane...	7.614f	8.024f	93213	132027	0.266	0.327	
33)	Chlordane...	7.679	8.129f	113.4E6	122.5E6	326.177	363.149	
34)	Chlordane...	0.000	8.765	0	109.5E6	N.D.	1010.758	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.679f	8.426	113.4E6	75246	BelowCal	2.374	
37)	Toxaphene...	7.985	8.765	82253865	109.5E6	3676.619	2836.174	
38)	Toxaphene...	8.304	8.765f	100.1E6	109.5E6	1734.014	1895.272	
39)	Toxaphene...	8.594f	8.866	56732	617913	0.899	3.191	#
40)	Toxaphene...	8.829f	9.046	37314	22928	0.785	BelowCal	#
41)	Toxaphene...	8.829f	9.409	37314	35094	0.693	0.611	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

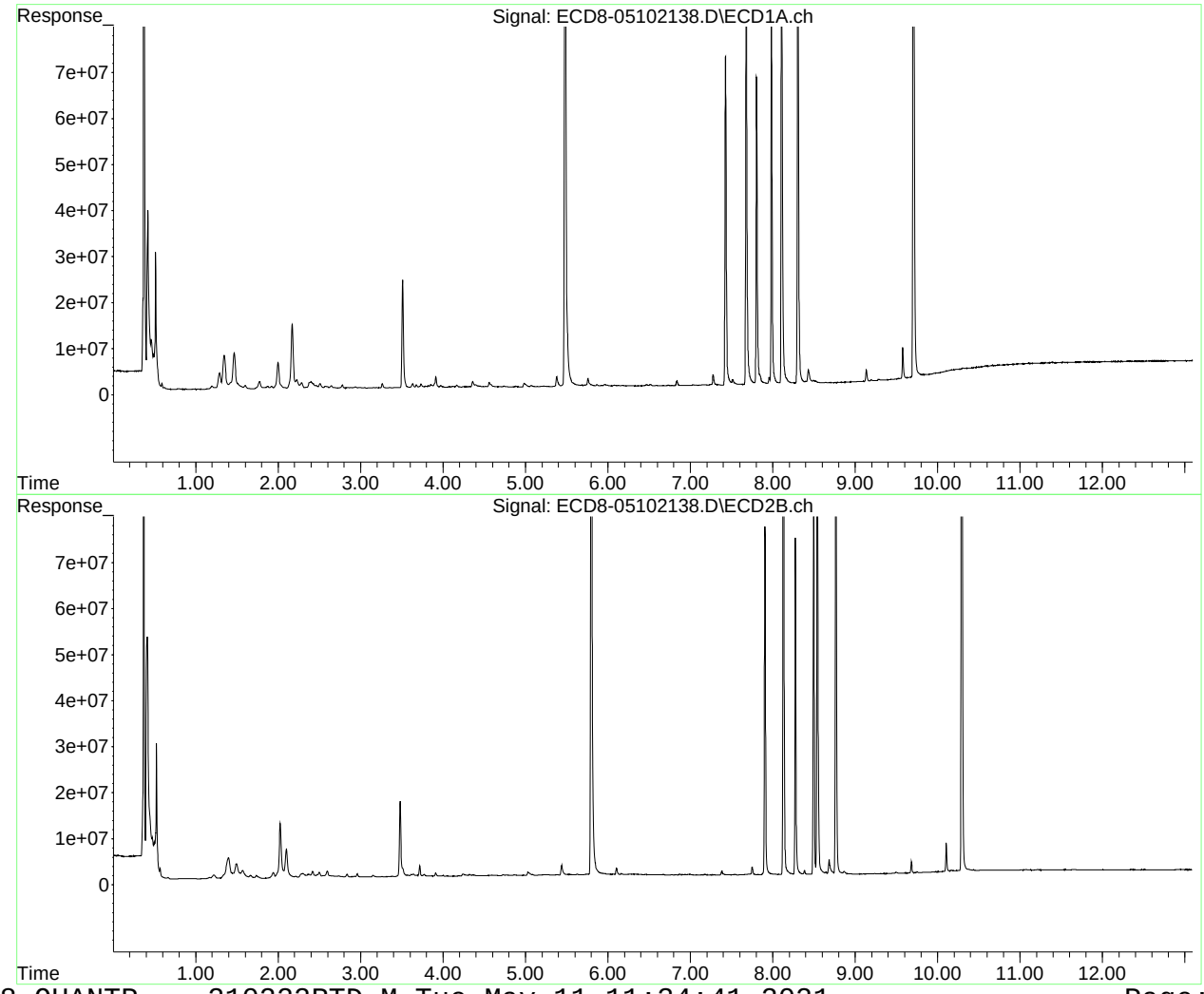
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:39
Operator : MJB
Sample : 1050274-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:33:53 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:55
Operator : MJB
Sample : A1E0219-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:36:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.481	5.798	214.4E6	227.4E6	66.858	66.807	
22)	S DCBP (S)	9.708	10.294	188.7E6	192.6E6	98.255	110.776	
	Target Compounds							
2)	a-BHC	6.073f	6.405	392831	2493416	0.092	0.550	#
3)	g-BHC	6.353f	6.710	303129	2371430	0.084	0.607	#
4)	b-BHC	6.378f	6.774	218680	2417577	0.140	1.305	#
5)	Heptachlor	6.735	7.071	207745	2452608	0.061	0.665	#
6)	d-BHC	6.588f	6.993f	159795	2610903	0.047	0.712	#
7)	Aldrin	6.941f	7.340	96092	2485279	0.028	0.707	#
8)	Heptachlo...	7.429	7.751f	70080	4501520	0.022	1.360	#
9)	trans-Chl...	7.513	7.912	3757311	2721329	1.166	0.807	#
10)	cis-Chlor...	7.613	8.022	113296	2671189	0.036	0.824	#
11)	Endosulfa...	7.716	8.074	33159	2678993	0.011	0.890	#
12)	4,4'-DDE	7.679	8.130	164718	2710047	0.048	0.771	#
13)	Dieldrin	7.879	8.275	162180	2769022	0.051	0.842	#
14)	Endrin	8.090f	8.494	38434	2786997	0.015	1.142	#
15)	4,4'-DDD	8.110	8.542	101172	2831726	0.037	1.002	#
16)	Endosulfa...	8.231	8.645	55481	2958882	0.022	1.108	#
17)	4,4'-DDT	8.305	8.766	70951	3098718	0.029	1.291	#
18)	Endrin Al...	8.490f	8.858	757486	3570750	BelowCal	1.098	
19)	Endosulfa...	8.835	9.066	27639	3038703	0.011	1.139	#
20)	Methoxychlor	8.646	9.236	73681	3171159	0.059	2.410	#
21)	Endrin Ke...	9.033	9.490f	22473	3880486	0.008	1.135	#
23)	Hexachlor...	3.264	3.514	2972027	5012204	0.855	1.250	#
24)	Hexachlor...	5.869	6.272	372517	2627100	0.114	0.732	#
25)	Oxychlordane	7.334f	7.704	103135	2801198	0.037	0.953	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:55
Operator : MJB
Sample : A1E0219-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:36:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.429	7.912	70080	2721329	0.031	1.171	#
27)	trans-Non...	7.613	7.984	113296	2705521	0.036	0.804	#
28)	2,4'-DDD	7.830f	8.275	76294	2769022	0.040	1.321	#
29)	2,4'-DDT	7.985	8.494	38476	2786997	0.019	1.324	#
30)	cis-Nonac...	8.090	8.542	38434	2831726	0.011	0.789	#
31)	Mirex	8.754	0.000	51495	0	21703.377	N.D.	#
32)	Chlordane...	7.571	7.984	95602	2705521	0.273	6.703	#
33)	Chlordane...	7.679	8.109	164718	2675244	0.474	7.930	#
34)	Chlordane...	8.231	8.766	55481	3098718	0.526	20.514	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.716	8.388f	33159	2998639	1.323	94.599	#
37)	Toxaphene...	8.016	8.766	21641	3098718	0.115	80.285	#
38)	Toxaphene...	8.335	8.766f	95548	3098718	1.655	53.651	#
39)	Toxaphene...	8.564	8.858	97756	3570750	1.550	36.752	#
40)	Toxaphene...	8.801	9.046	24681	3031782	0.519	52.872	#
41)	Toxaphene...	8.869	0.000	15590	0	0.289	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

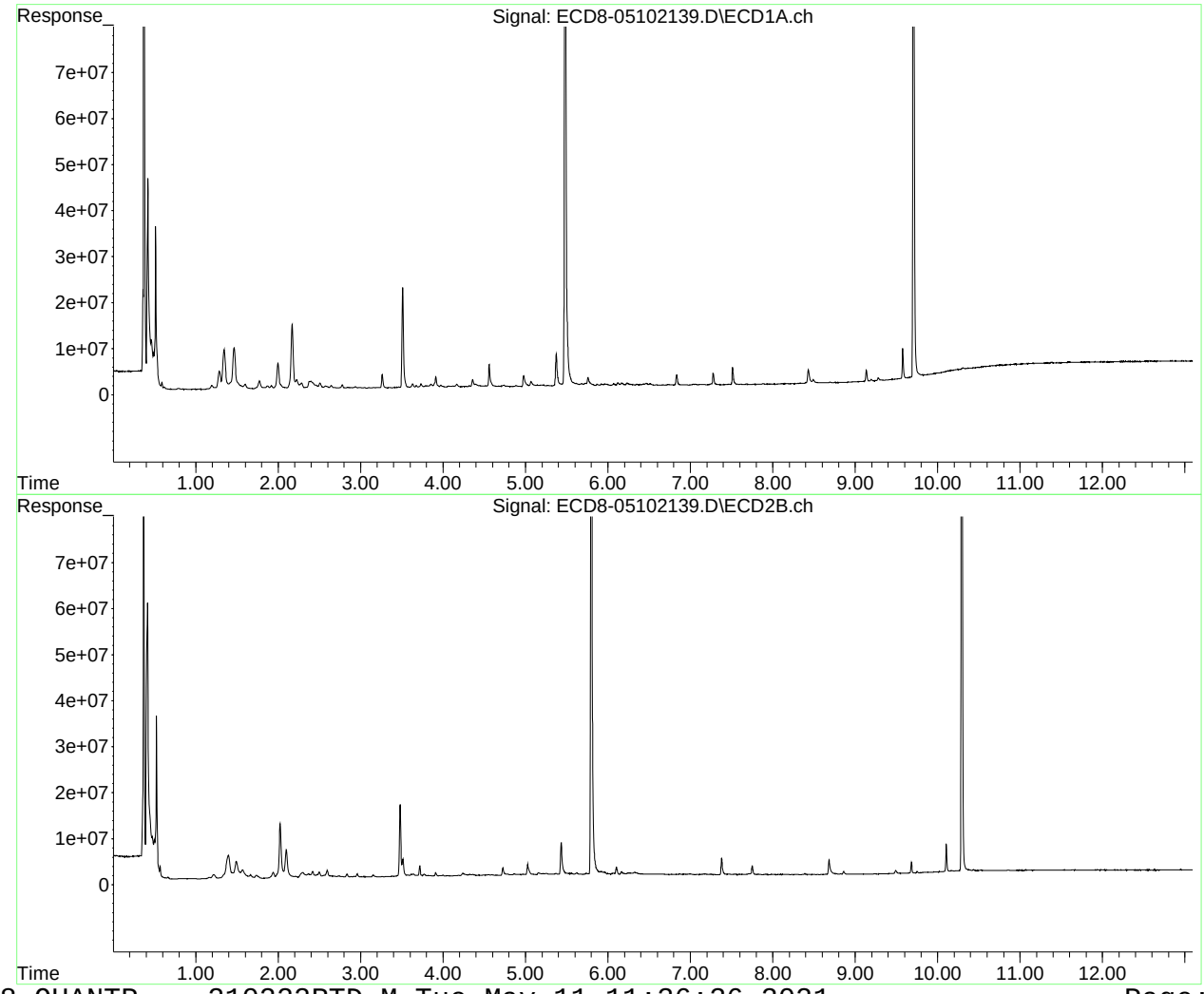
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:55
Operator : MJB
Sample : A1E0219-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:36:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

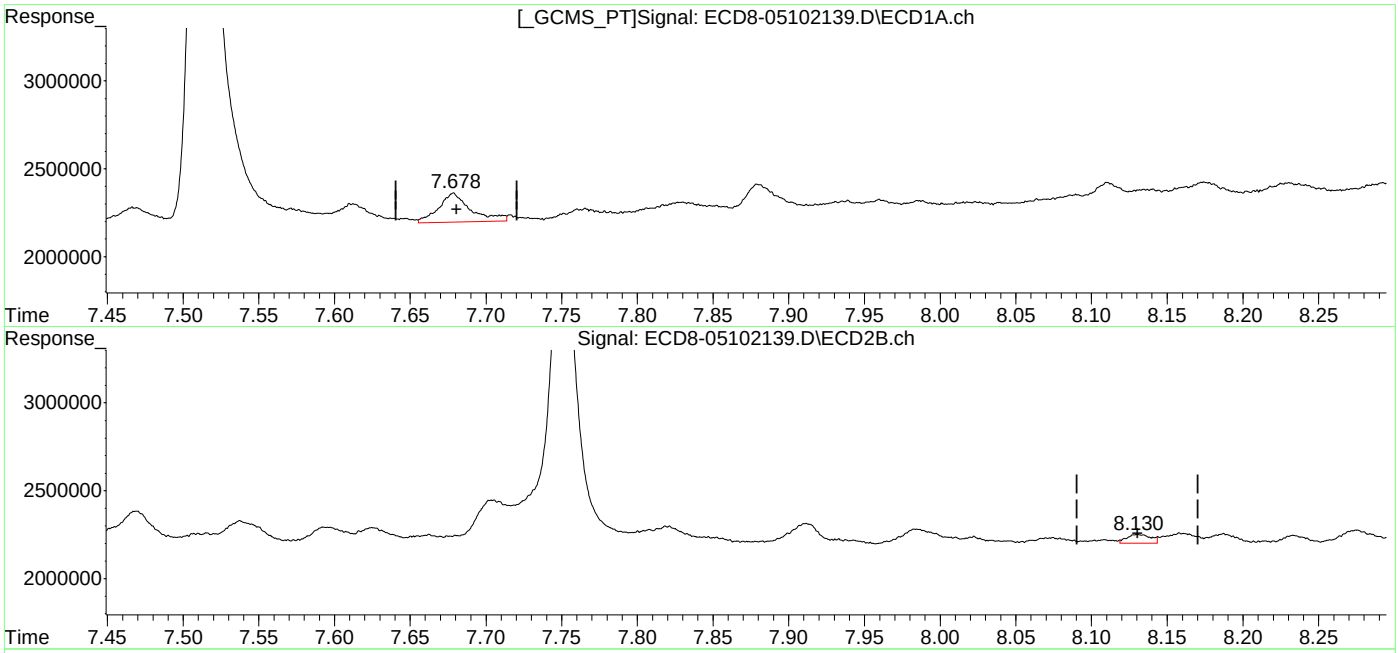


Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:55
Operator : MJB
Sample   : A1E0219-01
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:36:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
7.679min 0.048 ng/mL
response 164718

(12) 4,4'-DDE #2
8.130min 0.015 ng/mL m
response 51228

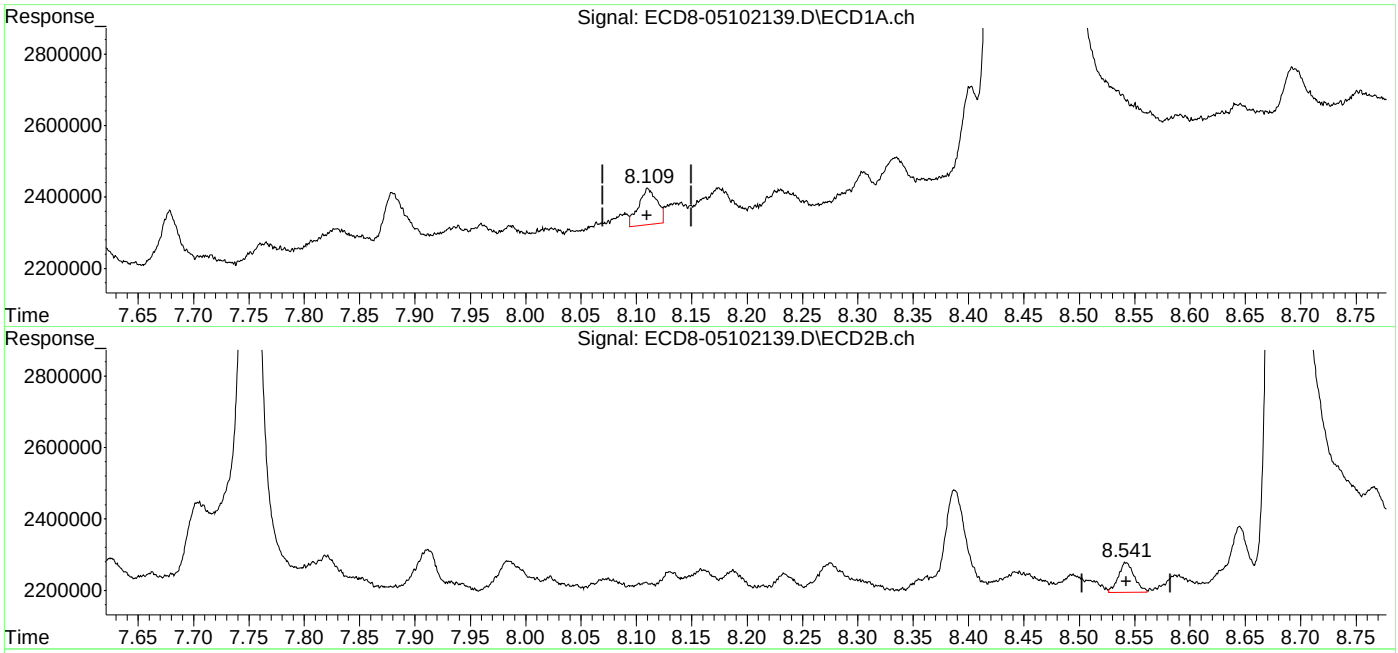
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:55
Operator : MJB
Sample   : A1E0219-01
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:36:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(15) 4,4'-DDD
8.110min 0.037 ng/mL
response 101172

(15) 4,4'-DDD #2
8.541min 0.030 ng/mL m
response 84558

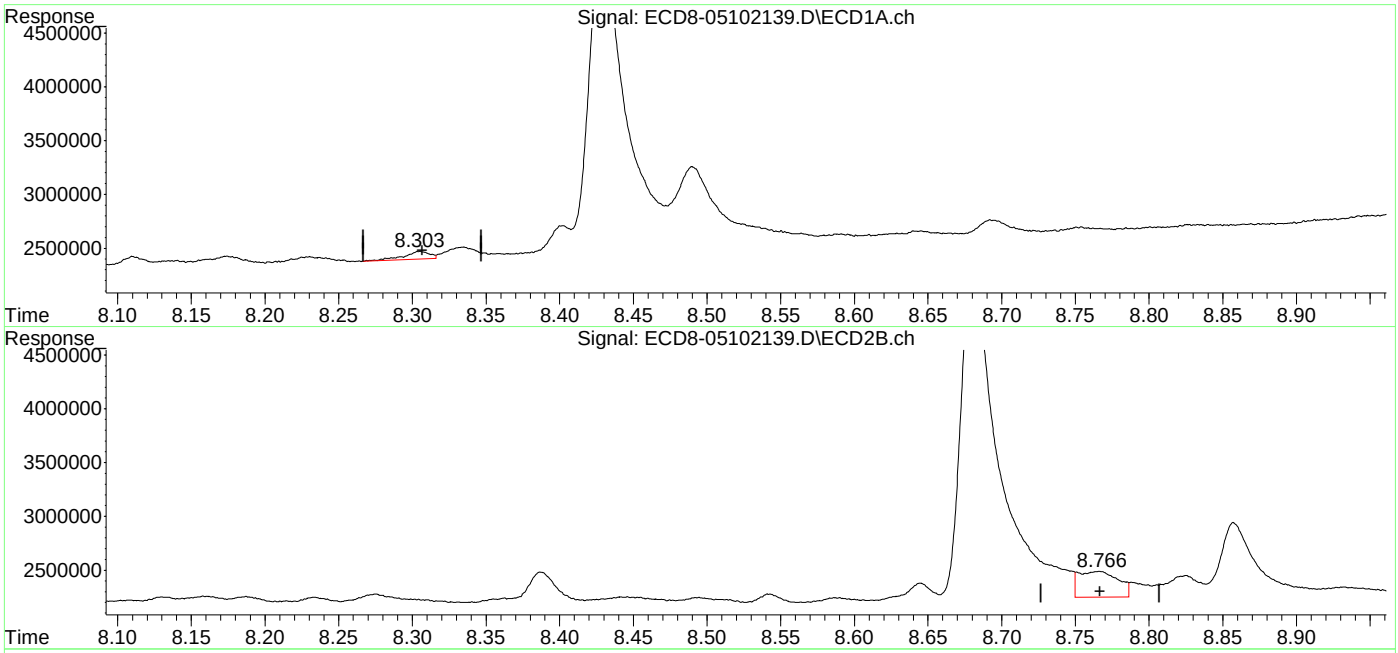
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:55
Operator : MJB
Sample   : A1E0219-01
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:36:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.305min 0.029 ng/mL
response 70951

(17) 4,4'-DDT #2
8.766min 0.066 ng/mL m
response 239420

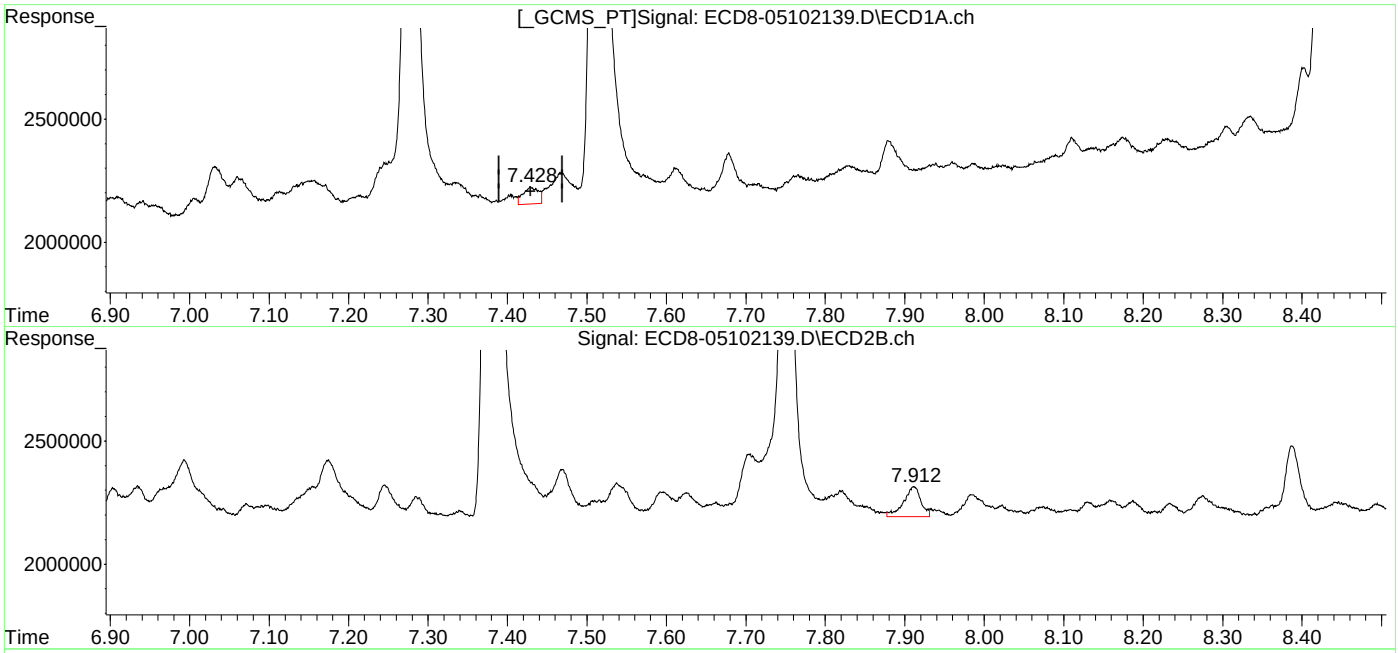
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:55
Operator : MJB
Sample   : A1E0219-01
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:39:12 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.429min 0.031 ng/mL
response 70080

(26) 2,4'-DDE #2
7.912min 0.053 ng/mL m
response 122990

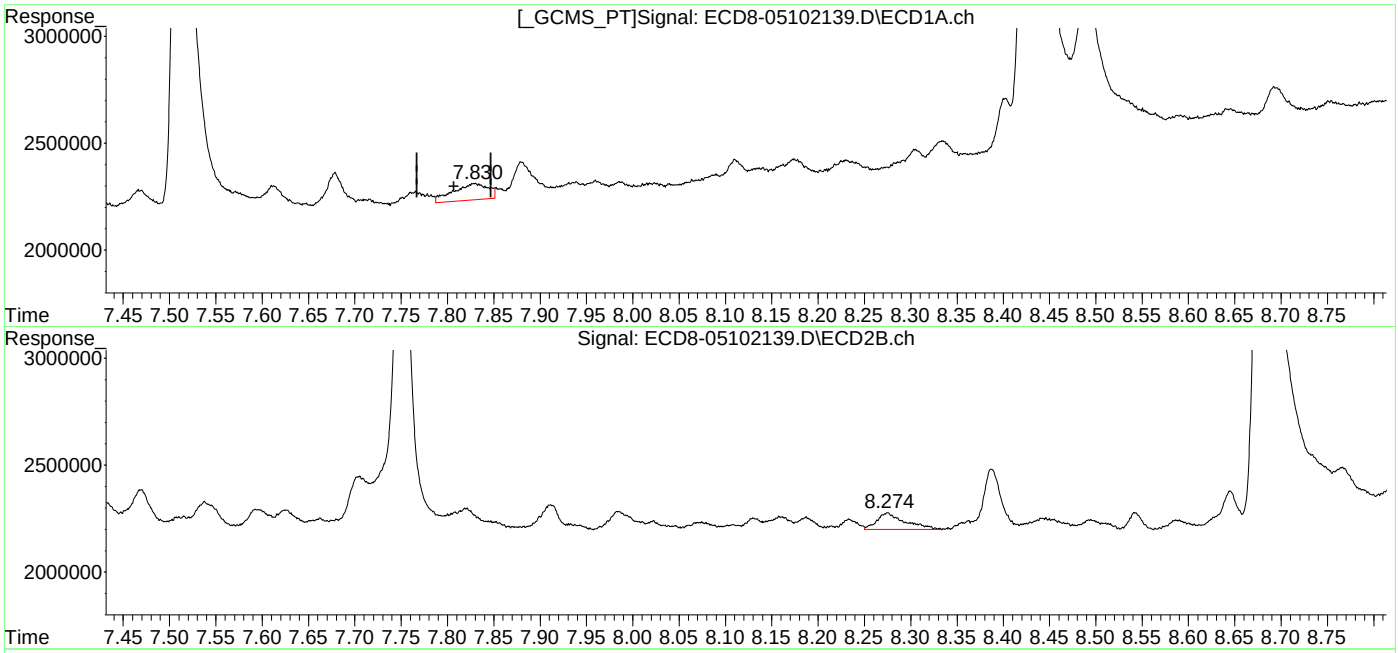
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:55
Operator : MJB
Sample   : A1E0219-01
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:39:12 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(28) 2,4'-DDD
7.830min   0.040 ng/mL
response   76294

(28) 2,4'-DDD #2
8.274min   -0.100 ng/mL m
response   77938

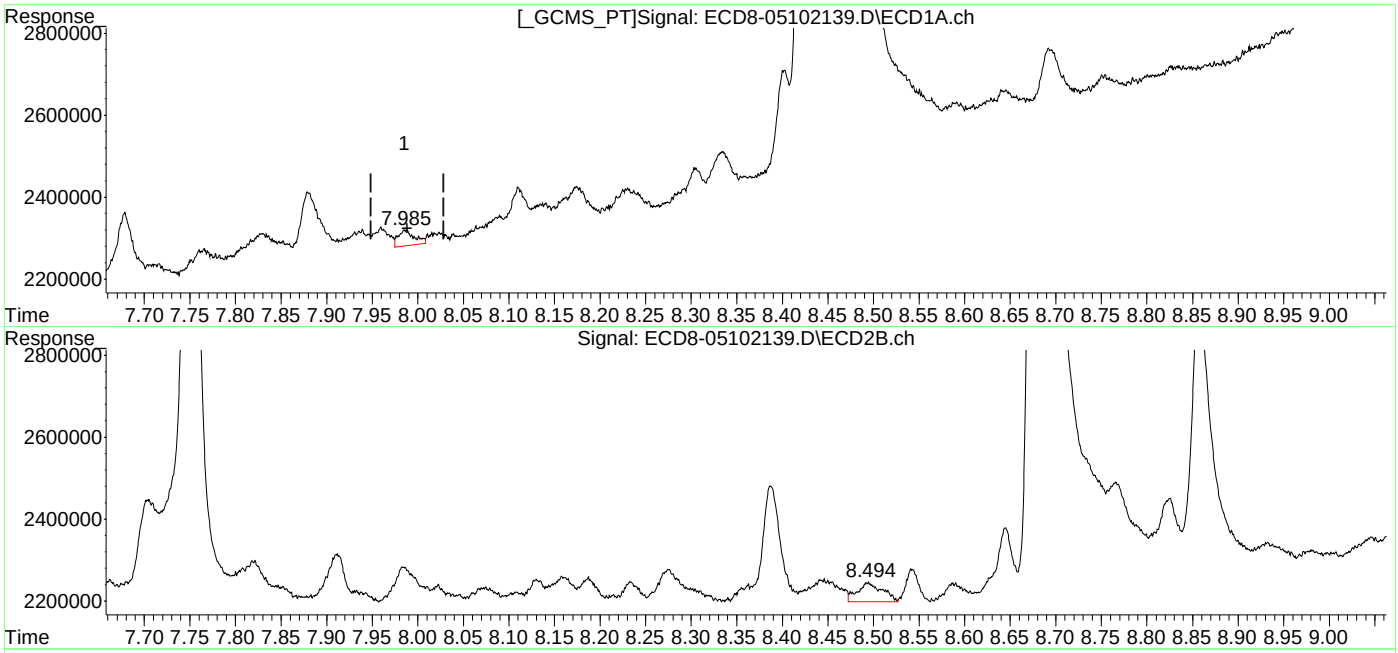
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 19:55
Operator : MJB
Sample   : A1E0219-01
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:39:12 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(29) 2,4'-DDT
7.985min   0.019 ng/mL
response   38476

(29) 2,4'-DDT #2
8.494min   0.023 ng/mL m
response   47617

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:55
Operator : MJB
Sample : A1E0219-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24 Sample Multiplier: 1

KAK 5/11/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:41:27 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.798	214.4E6	227.4E6	66.858	66.807	
22) S	DCBP (S)	9.708	10.294	188.7E6	192.6E6	98.255	110.776	Q-41
	Target Compounds							
2)	a-BHC	6.073f	6.405	392831	2493416	0.092	0.550	#
3)	g-BHC	6.353f	6.710	303129	2371430	0.084	0.607	#
4)	b-BHC	6.378f	6.774	218680	2417577	0.140	1.305	#
5)	Heptachlor	6.735	7.071	207745	2452608	0.061	0.665	#
6)	d-BHC	6.588f	6.993f	159795	2610903	0.047	0.712	#
7)	Aldrin	6.941f	7.340	96092	2485279	0.028	0.707	#
8)	Heptachlo...	7.429	7.751f	70080	4501520	0.022	1.360	#
9)	trans-Chl...	7.513	7.912	3757311	2721329	1.166	0.807	#
10)	cis-Chlor...	7.613	8.022	113296	2671189	0.036	0.824	#
11)	Endosulfa...	7.716	8.074	33159	2678993	0.011	0.890	#
12)	4,4'-DDE	7.679	8.130	164718	51228	0.048	0.015	m#
13)	Dieldrin	7.879	8.275	162180	2769022	0.051	0.842	#
14)	Endrin	8.090f	8.494	38434	2786997	0.015	1.142	#
15)	4,4'-DDD	8.110	8.541	101172	84558	0.037	0.030	m
16)	Endosulfa...	8.231	8.645	55481	2958882	0.022	1.108	#
17)	4,4'-DDT	8.305	8.766	70951	239420	0.029	0.066	m#
18)	Endrin Al...	8.490f	8.858	757486	3570750	BelowCal	1.098	
19)	Endosulfa...	8.835	9.066	27639	3038703	0.011	1.139	#
20)	Methoxychlor	8.646	9.236	73681	3171159	0.059	2.410	#
21)	Endrin Ke...	9.033	9.490f	22473	3880486	0.008	1.135	#
23)	Hexachlor...	3.264	3.514	2972027	5012204	0.855	1.250	#
24)	Hexachlor...	5.869	6.272	372517	2627100	0.114	0.732	#
25)	Oxychlordane	7.334f	7.704	103135	2801198	0.037	0.953	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:55
Operator : MJB
Sample : A1E0219-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:41:27 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.429	7.912	70080	122990	0.031	0.053m	#
27)	trans-Non...	7.613	7.984	113296	2705521	0.036	0.804	#
28)	2,4'-DDD	7.830f	8.274	76294	77938	0.040	BelowCalm	#
29)	2,4'-DDT	7.985	8.494	38476	47617	0.019	0.023m	
30)	cis-Nonac...	8.090	8.542	38434	2831726	0.011	0.789	#
31)	Mirex	8.754	0.000	51495	0	21703.377	N.D.	#
32)	Chlordane...	7.571	7.984	95602	2705521	0.273	6.703	#
33)	Chlordane...	7.679	8.109	164718	2675244	0.474	7.930	#
34)	Chlordane...	8.231	8.766	55481	3098718	0.526	20.514	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.716	8.388f	33159	2998639	1.323	94.599	#
37)	Toxaphene...	8.016	8.766	21641	3098718	0.115	80.285	#
38)	Toxaphene...	8.335	8.766f	95548	3098718	1.655	53.651	#
39)	Toxaphene...	8.564	8.858	97756	3570750	1.550	36.752	#
40)	Toxaphene...	8.801	9.046	24681	3031782	0.519	52.872	#
41)	Toxaphene...	8.869	0.000	15590	0	0.289	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

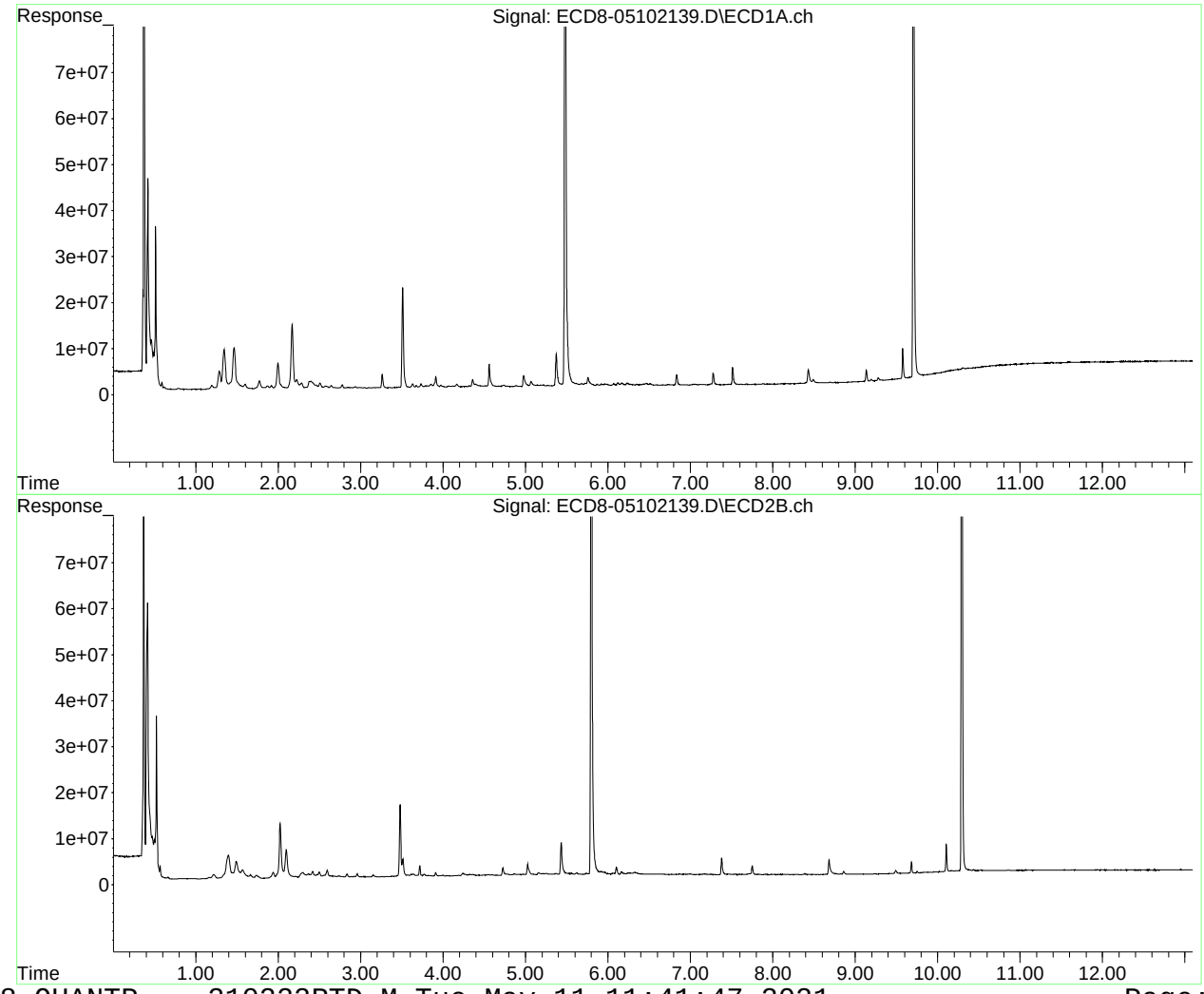
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 19:55
Operator : MJB
Sample : A1E0219-01
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:41:27 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:11
Operator : MJB
Sample : A1E0219-02
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.481	5.798	163.6E6	165.3E6	51.022	48.546	
22)	S	DCBP (S)	9.708	10.294	143.7E6	136.3E6	73.746	78.608	
		Target Compounds							
2)		a-BHC	6.021	6.356f	84786	622540	0.020	0.137	#
3)		g-BHC	6.317	6.669f	165898	298590	0.046	0.076	#
4)		b-BHC	6.417	6.773	310190	182111	0.198	BelowCal	#
5)		Heptachlor	6.735	7.075	110918	122930	0.032	0.033	
6)		d-BHC	6.587f	6.993f	114378	265142	0.034	0.063	#
7)		Aldrin	6.942f	7.340	49725	71818	0.014	0.020	#
8)		Heptachlo...	7.427	7.750f	14354393	1728826	4.552	0.522	#
9)		trans-Chl...	7.513	7.904	3223449	14280130	1.001	4.236	#
10)		cis-Chlor...	7.613	8.017	109566	69833	0.035	0.022	#
11)		Endosulfa...	7.757f	8.069	138928	43129	0.048	0.014	#
12)		4,4'-DDE	7.680	8.129	21523951	21509179	6.251	6.120	
13)		Dieldrin	7.878f	8.275	249760	15107550	0.079	4.593	#
14)		Endrin	0.000	8.495	0	16274417	N.D.	6.603	#
15)		4,4'-DDD	8.110	8.542	20897683	20832596	7.721	7.373	
16)		Endosulfa...	8.226	8.645	66826	211968	0.027	0.079	#
17)		4,4'-DDT	8.305	8.766	21406318	20713255	8.732	8.723	
18)		Endrin Al...	8.492f	8.859	607314	457810	BelowCal	BelowCal	
19)		Endosulfa...	8.844	9.066	68714	29059	0.027	0.011	#
20)		Methoxychlor	8.644	9.235	55935	80242	0.045	0.061	#
21)		Endrin Ke...	0.000	9.435	0	131120	N.D.	BelowCal	
23)		Hexachlor...	3.264	3.514	2528632	3258034	0.727	0.813	
24)		Hexachlor...	5.870	6.256	299003	567114	0.092	0.158	#
25)		Oxychlordane	7.334f	7.705	85664	291573	0.031	0.099	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:11
Operator : MJB
Sample : A1E0219-02
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
26)	2,4'-DDE	7.427	7.904	14354393	14280130	6.423	6.143
27)	trans-Non...	7.613	7.983	109566	135286	0.034	0.040
28)	2,4'-DDD	7.805	8.275	15124434	15107550	7.982	7.795
29)	2,4'-DDT	7.986	8.495	16590335	16274417	8.226	7.734
30)	cis-Nonac...	8.110	8.542	20897683	20832596	6.228	5.805
31)	Mirex	8.757	9.435	35003	131120	21703.385	BelowCal #
32)	Chlordane...	7.613f	7.983	109566	135286	0.313	0.335
33)	Chlordane...	7.680	8.129f	21523951	21509179	61.918	63.754
34)	Chlordane...	8.226	8.766	66826	20713255	0.633	199.484 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.680f	8.385f	21523951	313738	1633.375	9.898 #
37)	Toxaphene...	7.986	8.766	16590335	20713255	539.774	536.664
38)	Toxaphene...	8.305	8.766f	21406318	20713255	370.858	358.626
39)	Toxaphene...	8.597f	8.859	45307	457810	0.718	1.366 #
40)	Toxaphene...	0.000	9.040	0	22129	N.D.	BelowCal
41)	Toxaphene...	8.878	9.399	15712	98002	0.292	1.707 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

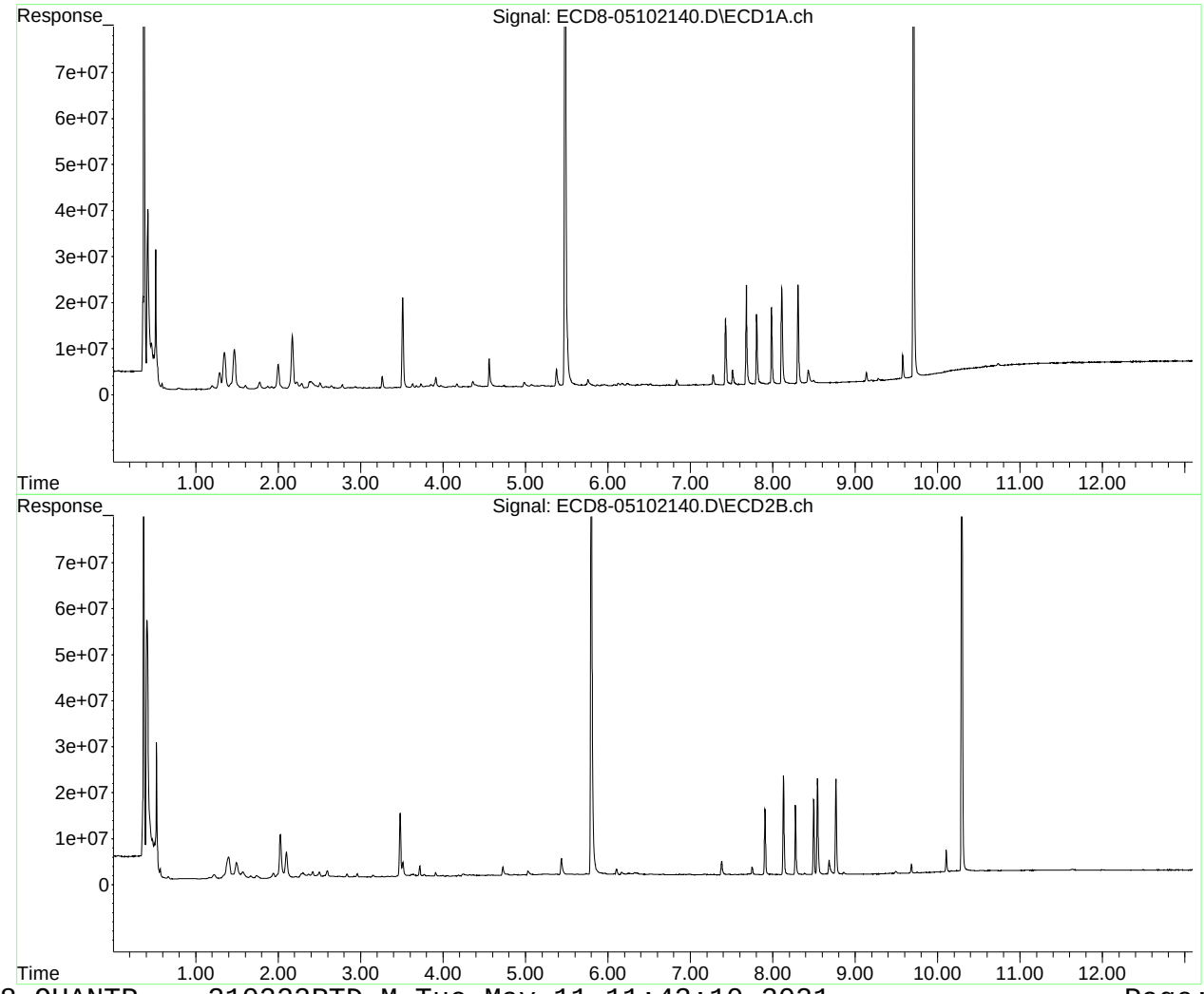
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:11
Operator : MJB
Sample : A1E0219-02
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

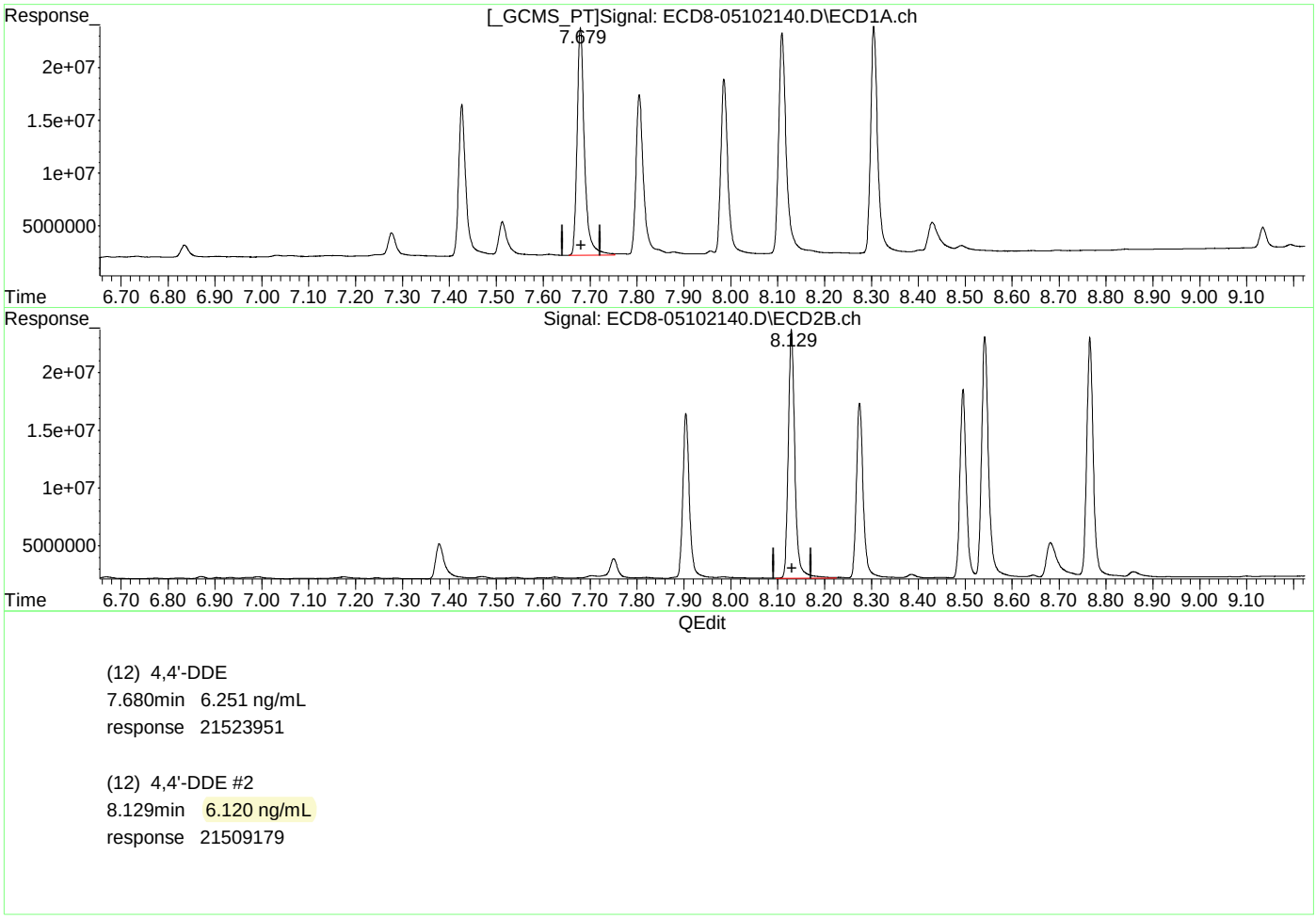


Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 20:11
Operator : MJB
Sample   : A1E0219-02
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(12) 4,4'-DDE
7.680min 6.251 ng/mL
response 21523951

(12) 4,4'-DDE #2
8.129min 6.120 ng/mL
response 21509179

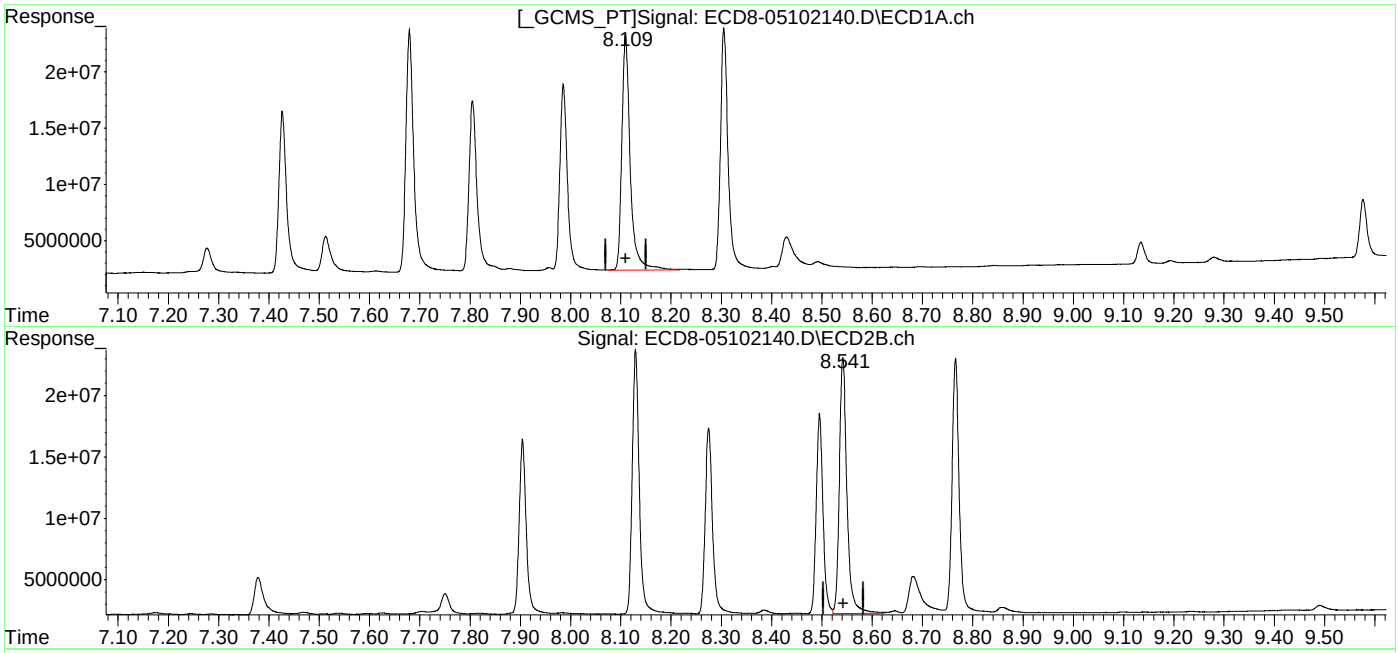
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 20:11
Operator : MJB
Sample   : A1E0219-02
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(15) 4,4'-DDD
8.110min 7.721 ng/mL
response 20897683

(15) 4,4'-DDD #2
8.542min 7.373 ng/mL
response 20832596

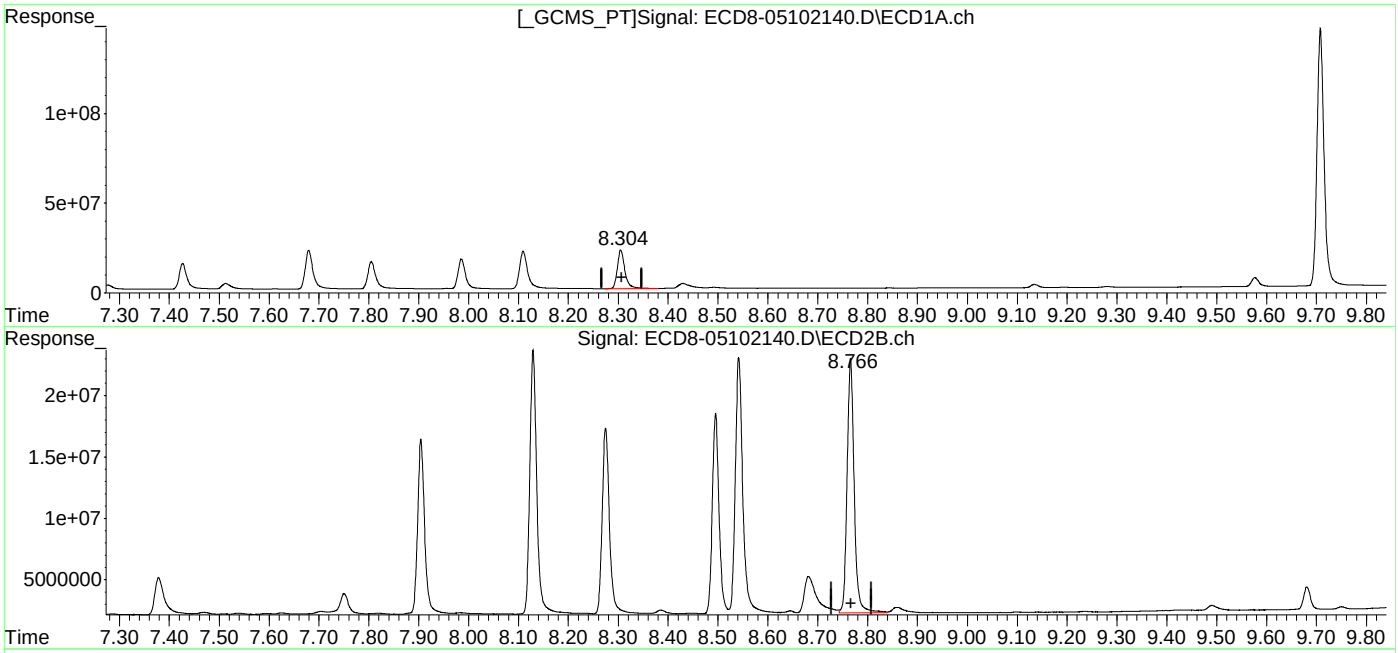
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 20:11
Operator : MJB
Sample   : A1E0219-02
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(17) 4,4'-DDT
8.305min 8.732 ng/mL
response 21406318

(17) 4,4'-DDT #2
8.766min 8.723 ng/mL
response 20713255

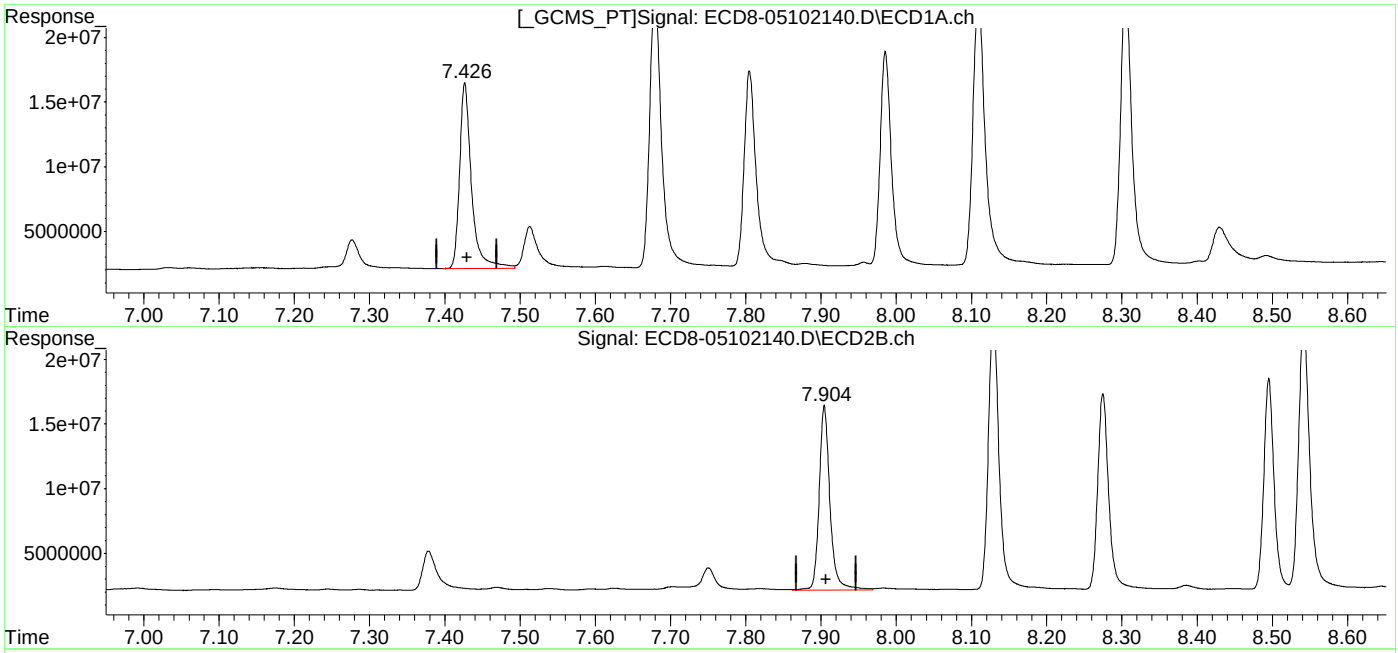
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 20:11
Operator : MJB
Sample   : A1E0219-02
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(26) 2,4'-DDE
7.427min 6.423 ng/mL
response 14354393

(26) 2,4'-DDE #2
7.904min 6.143 ng/mL
response 14280130

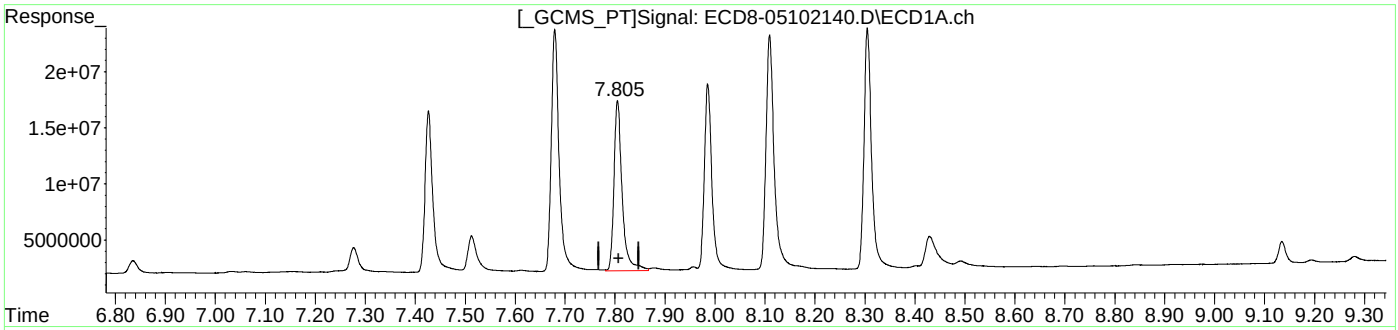
(+) = Expected Retention Time

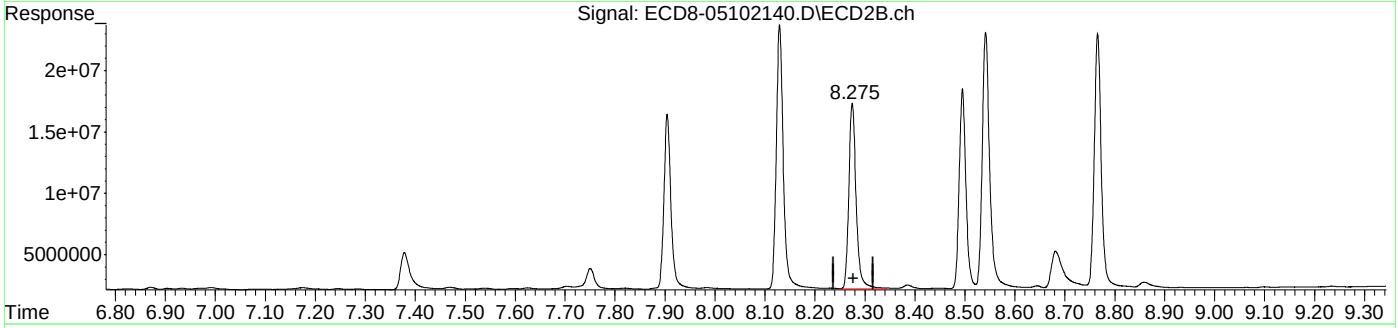
Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 20:11
Operator : MJB
Sample   : A1E0219-02
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um





QEdit

(28) 2,4'-DDD
7.805min 7.982 ng/mL
response 15124434

(28) 2,4'-DDD #2
8.275min 7.795 ng/mL
response 15107550

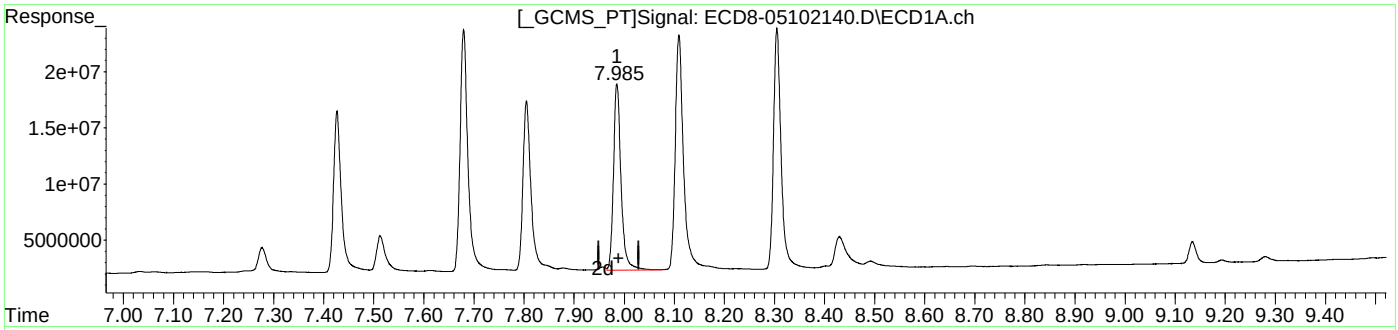
(+) = Expected Retention Time

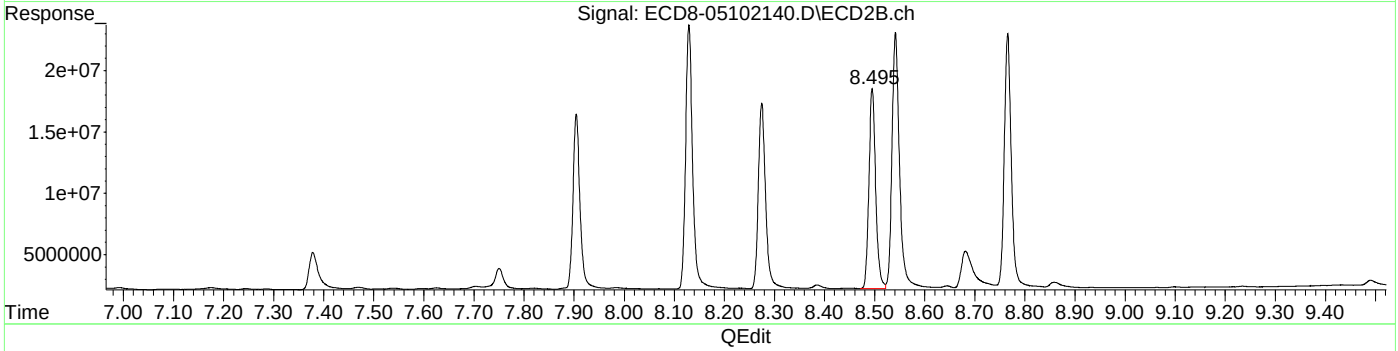
Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 20:11
Operator : MJB
Sample   : A1E0219-02
Misc   : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um





QEdit

(29) 2,4'-DDT
7.986min 8.226 ng/mL
response 16590335

(29) 2,4'-DDT #2
8.495min 7.734 ng/mL
response 16274417

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:11
Operator : MJB
Sample : A1E0219-02
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25 Sample Multiplier: 1

KAK 5/11/21

Re-extract for possible spike contamination.

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.798	163.6E6	165.3E6	51.022	48.546	
22) S	DCBP (S)	9.708	10.294	143.7E6	136.3E6	73.746	78.608	Q-41
	Target Compounds							
2)	a-BHC	6.021	6.356f	84786	622540	0.020	0.137	#
3)	g-BHC	6.317	6.669f	165898	298590	0.046	0.076	#
4)	b-BHC	6.417	6.773	310190	182111	0.198	BelowCal	#
5)	Heptachlor	6.735	7.075	110918	122930	0.032	0.033	
6)	d-BHC	6.587f	6.993f	114378	265142	0.034	0.063	#
7)	Aldrin	6.942f	7.340	49725	71818	0.014	0.020	#
8)	Heptachlo...	7.427	7.750f	14354393	1728826	4.552	0.522	#
9)	trans-Chl...	7.513	7.904	3223449	14280130	1.001	4.236	#
10)	cis-Chlor...	7.613	8.017	109566	69833	0.035	0.022	#
11)	Endosulfa...	7.757f	8.069	138928	43129	0.048	0.014	#
12)	4,4'-DDE	7.680	8.129	21523951	21509179	6.251	6.120	
13)	Dieldrin	7.878f	8.275	249760	15107550	0.079	4.593	#
14)	Endrin	0.000	8.495	0	16274417	N.D.	6.603	#
15)	4,4'-DDD	8.110	8.542	20897683	20832596	7.721	7.373	
16)	Endosulfa...	8.226	8.645	66826	211968	0.027	0.079	#
17)	4,4'-DDT	8.305	8.766	21406318	20713255	8.732	8.723	
18)	Endrin Al...	8.492f	8.859	607314	457810	BelowCal	BelowCal	
19)	Endosulfa...	8.844	9.066	68714	29059	0.027	0.011	#
20)	Methoxychlor	8.644	9.235	55935	80242	0.045	0.061	#
21)	Endrin Ke...	0.000	9.435	0	131120	N.D.	BelowCal	
23)	Hexachlor...	3.264	3.514	2528632	3258034	0.727	0.813	
24)	Hexachlor...	5.870	6.256	299003	567114	0.092	0.158	#
25)	Oxychlordane	7.334f	7.705	85664	291573	0.031	0.099	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:11
Operator : MJB
Sample : A1E0219-02
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
26)	2,4'-DDE	7.427	7.904	14354393	14280130	6.423	6.143
27)	trans-Non...	7.613	7.983	109566	135286	0.034	0.040
28)	2,4'-DDD	7.805	8.275	15124434	15107550	7.982	7.795
29)	2,4'-DDT	7.986	8.495	16590335	16274417	8.226	7.734
30)	cis-Nonac...	8.110	8.542	20897683	20832596	6.228	5.805
31)	Mirex	8.757	9.435	35003	131120	21703.385	BelowCal #
32)	Chlordane...	7.613f	7.983	109566	135286	0.313	0.335
33)	Chlordane...	7.680	8.129f	21523951	21509179	61.918	63.754
34)	Chlordane...	8.226	8.766	66826	20713255	0.633	199.484 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.680f	8.385f	21523951	313738	1633.375	9.898 #
37)	Toxaphene...	7.986	8.766	16590335	20713255	539.774	536.664
38)	Toxaphene...	8.305	8.766f	21406318	20713255	370.858	358.626
39)	Toxaphene...	8.597f	8.859	45307	457810	0.718	1.366 #
40)	Toxaphene...	0.000	9.040	0	22129	N.D.	BelowCal
41)	Toxaphene...	8.878	9.399	15712	98002	0.292	1.707 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

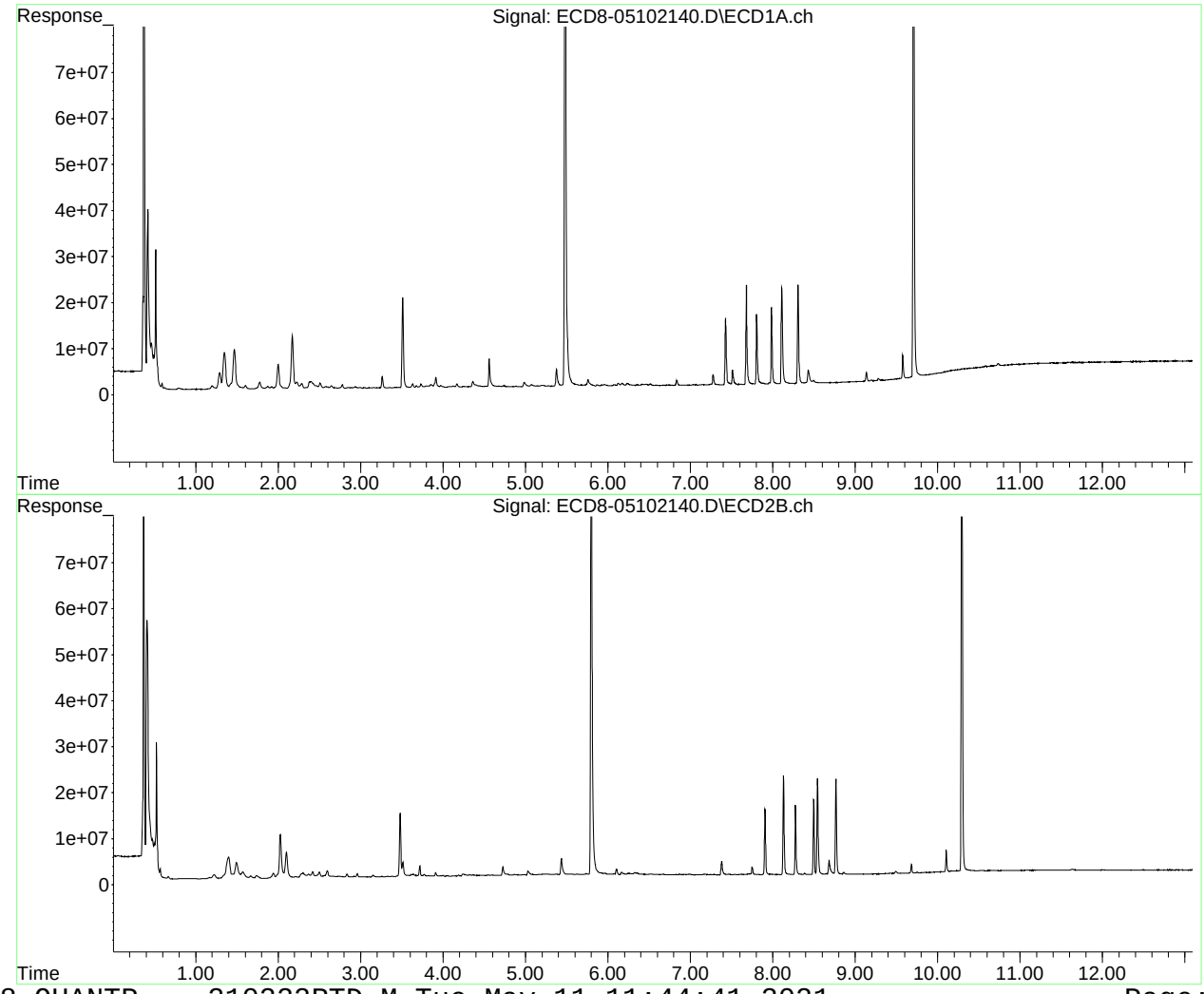
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:11
Operator : MJB
Sample : A1E0219-02
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:43:03 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:28
Operator : MJB
Sample : 1E10032-CCVB
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:26:32 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	276.2E6	285.5E6	86.151	83.863	
22) S	DCBP (S)	9.710	10.296	205.5E6	204.4E6	107.573	117.516	
	Target Compounds							
2)	a-BHC	6.034	6.391	413.2E6	491.1E6	97.113	108.367	
3)	g-BHC	6.321	6.705	361.0E6	442.6E6	99.445	113.335	
4)	b-BHC	6.405	6.774	136.3E6	161.7E6	87.119	93.219	
5)	Heptachlor	6.721	7.078	372.4E6	441.3E6	108.607	119.670	
6)	d-BHC	6.556	7.020	303.0E6	372.9E6	89.744	90.471	
7)	Aldrin	6.962	7.339	373.5E6	410.6E6	108.642	116.729	
8)	Heptachlo...	7.430	7.772	337.2E6	388.7E6	106.917	117.448	
9)	trans-Chl...	7.523	7.913	340.0E6	377.6E6	105.546	112.022	
10)	cis-Chlor...	7.621	8.019	328.6E6	363.8E6	104.248	112.218	
11)	Endosulfa...	7.722	8.066	313.6E6	344.8E6	108.145	114.574	
12)	4,4'-DDE	7.679	8.129	300.7E6	346.6E6	87.319	98.623	
13)	Dieldrin	7.897	8.264	353.4E6	389.0E6	111.404	118.256	
14)	Endrin	8.065	8.485	273.9E6	282.3E6	105.867	99.976	
15)	4,4'-DDD	8.109	8.542	237.7E6	284.3E6	87.827	100.616	
16)	Endosulfa...	8.227	8.633	262.1E6	292.3E6	104.155	109.448	
17)	4,4'-DDT	8.305	8.765	240.9E6	272.7E6	98.264	99.093	
18)	Endrin Al...	8.522	8.867	239.5E6	258.4E6	106.394	103.598	
19)	Endosulfa...	8.828	9.063	249.3E6	266.6E6	99.662	99.881	
20)	Methoxychlor	8.645	9.236	98361176	112.0E6	78.625	85.114	
21)	Endrin Ke...	9.027	9.448	321.2E6	340.9E6	107.843	109.274	
23)	Hexachlor...	3.237f	3.522	3610	13347	0.001	0.003	#
24)	Hexachlor...	5.870	6.285f	426349	72974	0.131	0.020	#
25)	Oxychlordane	7.364	7.711	1489150	61902	0.540	0.021	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:28
Operator : MJB
Sample : 1E10032-CCVB
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:26:32 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.430	7.913	337.2E6	377.6E6	150.873	162.465	
27)	trans-Non...	7.621	7.980	328.6E6	1356130	103.388	0.403	#
28)	2,4'-DDD	0.000	8.264	0	389.0E6	N.D.	179.410	#
29)	2,4'-DDT	7.984	8.485	1531912	282.3E6	0.760	134.149	#
30)	cis-Nonac...	8.109	8.542	237.7E6	284.3E6	70.838	79.207	
31)	Mirex	8.777	9.448	1272526	340.9E6	0.464	161.249	#
32)	Chlordane...	7.621f	7.980	328.6E6	1356130	939.439	3.360	#
33)	Chlordane...	7.679	8.129f	300.7E6	346.6E6	864.901	1027.398	
34)	Chlordane...	8.227	8.765	262.1E6	272.7E6	2484.456	2246.512	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.722	8.389	313.6E6	461536	BelowCal	14.560	
37)	Toxaphene...	7.984	8.765	1531912	272.7E6	47.295	7065.428	#
38)	Toxaphene...	8.305	8.765f	240.9E6	272.7E6	4173.387	4721.469	
39)	Toxaphene...	0.000	8.867	0	258.4E6	N.D.	2470.875	#
40)	Toxaphene...	8.777f	9.017f	1272526	1174904	26.780	18.103	#
41)	Toxaphene...	0.000	9.448f	0	340.9E6	N.D.	5938.152	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

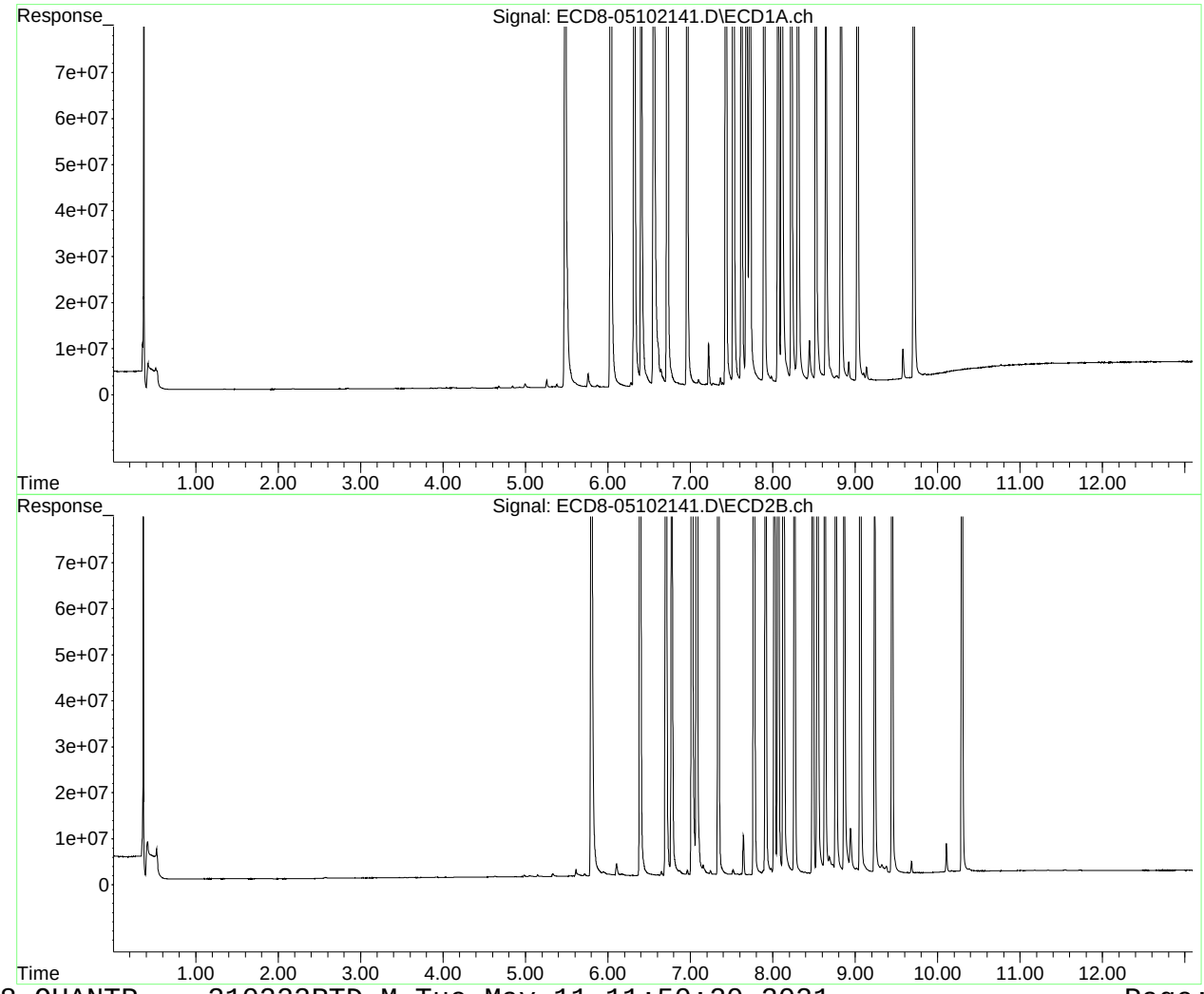
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:28
Operator : MJB
Sample : 1E10032-CCVB
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:26:32 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:28
Operator : MJB
Sample : 1E10032-CCVB
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

KAK 5/11/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:26:32 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.482	5.799	276.2E6	285.5E6	86.151	83.863	
22) S	DCBP (S)	9.710	10.296	205.5E6	204.4E6	107.573	117.516	
	Target Compounds							
2)	a-BHC	6.034	6.391	413.2E6	491.1E6	97.113	108.367	
3)	g-BHC	6.321	6.705	361.0E6	442.6E6	99.445	113.335	
4)	b-BHC	6.405	6.774	136.3E6	161.7E6	87.119	93.219	
5)	Heptachlor	6.721	7.078	372.4E6	441.3E6	108.607	119.670	
6)	d-BHC	6.556	7.020	303.0E6	372.9E6	89.744	90.471	
7)	Aldrin	6.962	7.339	373.5E6	410.6E6	108.642	116.729	
8)	Heptachlo...	7.430	7.772	337.2E6	388.7E6	106.917	117.448	
9)	trans-Chl...	7.523	7.913	340.0E6	377.6E6	105.546	112.022	
10)	cis-Chlor...	7.621	8.019	328.6E6	363.8E6	104.248	112.218	
11)	Endosulfa...	7.722	8.066	313.6E6	344.8E6	108.145	114.574	
12)	4,4'-DDE	7.679	8.129	300.7E6	346.6E6	87.319	98.623	
13)	Dieldrin	7.897	8.264	353.4E6	389.0E6	111.404	118.256	
14)	Endrin	8.065	8.485	273.9E6	282.3E6	105.867	99.976	
15)	4,4'-DDD	8.109	8.542	237.7E6	284.3E6	87.827	100.616	
16)	Endosulfa...	8.227	8.633	262.1E6	292.3E6	104.155	109.448	
17)	4,4'-DDT	8.305	8.765	240.9E6	272.7E6	98.264	99.093	
18)	Endrin Al...	8.522	8.867	239.5E6	258.4E6	106.394	103.598	
19)	Endosulfa...	8.828	9.063	249.3E6	266.6E6	99.662	99.881	
20)	Methoxychlor	8.645	9.236	98361176	112.0E6	78.625Q-31	85.114	
21)	Endrin Ke...	9.027	9.448	321.2E6	340.9E6	107.843	109.274	
23)	Hexachlor...	3.237f	3.522	3610	13347	0.001	0.003	#
24)	Hexachlor...	5.870	6.285f	426349	72974	0.131	0.020	#
25)	Oxychlordane	7.364	7.711	1489150	61902	0.540	0.021	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:28
Operator : MJB
Sample : 1E10032-CCVB
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:26:32 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.430	7.913	337.2E6	377.6E6	150.873	162.465	
27)	trans-Non...	7.621	7.980	328.6E6	1356130	103.388	0.403	#
28)	2,4'-DDD	0.000	8.264	0	389.0E6	N.D.	179.410	#
29)	2,4'-DDT	7.984	8.485	1531912	282.3E6	0.760	134.149	#
30)	cis-Nonac...	8.109	8.542	237.7E6	284.3E6	70.838	79.207	
31)	Mirex	8.777	9.448	1272526	340.9E6	0.464	161.249	#
32)	Chlordane...	7.621f	7.980	328.6E6	1356130	939.439	3.360	#
33)	Chlordane...	7.679	8.129f	300.7E6	346.6E6	864.901	1027.398	
34)	Chlordane...	8.227	8.765	262.1E6	272.7E6	2484.456	2246.512	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.722	8.389	313.6E6	461536	BelowCal	14.560	
37)	Toxaphene...	7.984	8.765	1531912	272.7E6	47.295	7065.428	#
38)	Toxaphene...	8.305	8.765f	240.9E6	272.7E6	4173.387	4721.469	
39)	Toxaphene...	0.000	8.867	0	258.4E6	N.D.	2470.875	#
40)	Toxaphene...	8.777f	9.017f	1272526	1174904	26.780	18.103	#
41)	Toxaphene...	0.000	9.448f	0	340.9E6	N.D.	5938.152	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

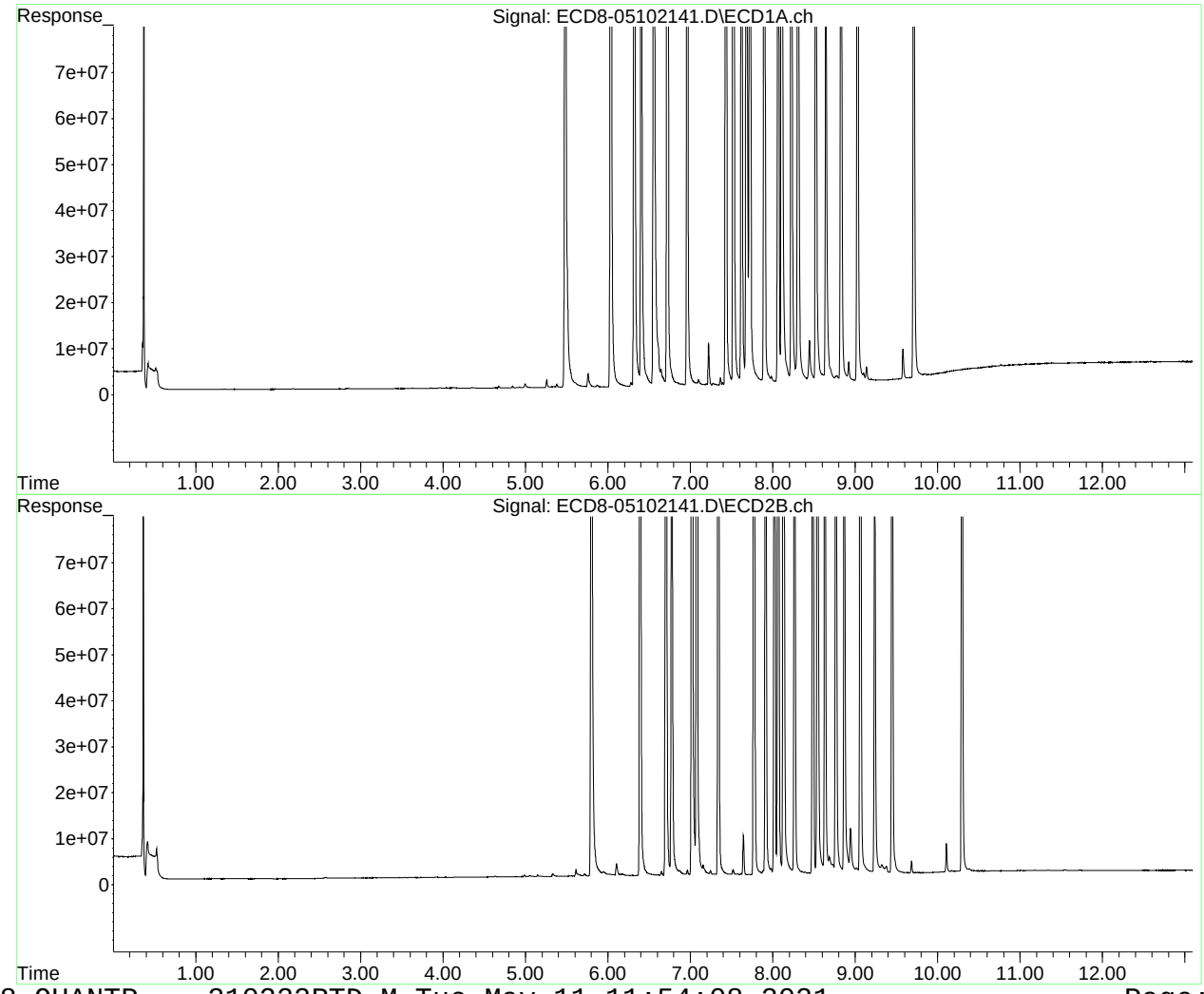
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:28
Operator : MJB
Sample : 1E10032-CCVB
Misc : A21B424, AB Mix 100 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:26:32 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:44
Operator : MJB
Sample : 1E10032-CCVC
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:25:46 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.454f	5.810	2071801	25916	0.646	0.008	#
22) S	DCBP (S)	9.718	10.296	295637	276600	1931.191	BelowCal	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.322	0.000	298416	0	0.082	N.D.	#
4)	b-BHC	6.436f	6.787	36817	351749	0.024	0.023	
5)	Heptachlor	6.726	7.082	180204	189883	0.053	0.051	
6)	d-BHC	6.572	7.026	86280	119886	0.026	0.023	
7)	Aldrin	6.965	7.349	13551	37737	0.004	0.011	#
8)	Heptachlo...	7.427	7.813f	187.0E6	781409	59.287	0.236	#
9)	trans-Chl...	7.524	7.905	2551708	220.2E6	0.792	65.322	#
10)	cis-Chlor...	7.610	7.982f	325.4E6	356.8E6	103.227	110.035	
11)	Endosulfa...	7.718	0.000	1388193	0	0.479	N.D.	#
12)	4,4'-DDE	7.718f	8.129	1388193	738746	0.403	0.210	#
13)	Dieldrin	7.889	8.275	1867557	189.4E6	0.589	57.594	#
14)	Endrin	8.088	8.496	335.2E6	225.5E6	129.569	81.896	#
15)	4,4'-DDD	8.088f	8.538	335.2E6	377.0E6	123.846	133.449	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.310	0.000	236297	0	0.096	N.D.	#
18)	Endrin Al...	8.525	8.877	439765	501252	BelowCal	BelowCal	
19)	Endosulfa...	8.861f	9.065	1244766	156741	0.498	0.059	#
20)	Methoxychlor	8.631	9.254	38367	21806	0.031	0.017	#
21)	Endrin Ke...	9.031	9.440	133886	218.6E6	0.045	73.485	#
23)	Hexachlor...	3.265	3.516	384.8E6	459.8E6	110.691	114.680	
24)	Hexachlor...	5.869	6.260	233.3E6	267.1E6	71.554	74.386	
25)	Oxychlordane	7.355	7.706	289.6E6	317.7E6	105.006	108.067	

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:44
Operator : MJB
Sample : 1E10032-CCVC
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:25:46 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.427	7.905	187.0E6	220.2E6	83.661	94.736	
27)	trans-Non...	7.610	7.982	325.4E6	356.8E6	102.376	106.079	
28)	2,4'-DDD	7.806	8.275	161.3E6	189.4E6	85.148	92.996	
29)	2,4'-DDT	7.986	8.496	197.8E6	225.5E6	98.061	107.189	
30)	cis-Nonac...	8.088	8.538	335.2E6	377.0E6	99.890	105.054	
31)	Mirex	8.756	9.440	206.5E6	218.6E6	104.394	107.422	
32)	Chlordane...	7.610f	7.982	325.4E6	356.8E6	930.238	883.946	
33)	Chlordane...	0.000	8.129f	0	738746	N.D.	2.190	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.718	8.382f	1388193	1946689	93.705	61.413	#
37)	Toxaphene...	7.986	0.000	197.8E6	0	BelowCal	N.D.	
38)	Toxaphene...	8.310	0.000	236297	0	4.094	N.D.	#
39)	Toxaphene...	8.570	8.877	199918	501252	3.169	1.862	#
40)	Toxaphene...	0.000	9.020	0	37290	N.D.	BelowCal	
41)	Toxaphene...	8.861	9.396	1244766	99627	23.106	1.735	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

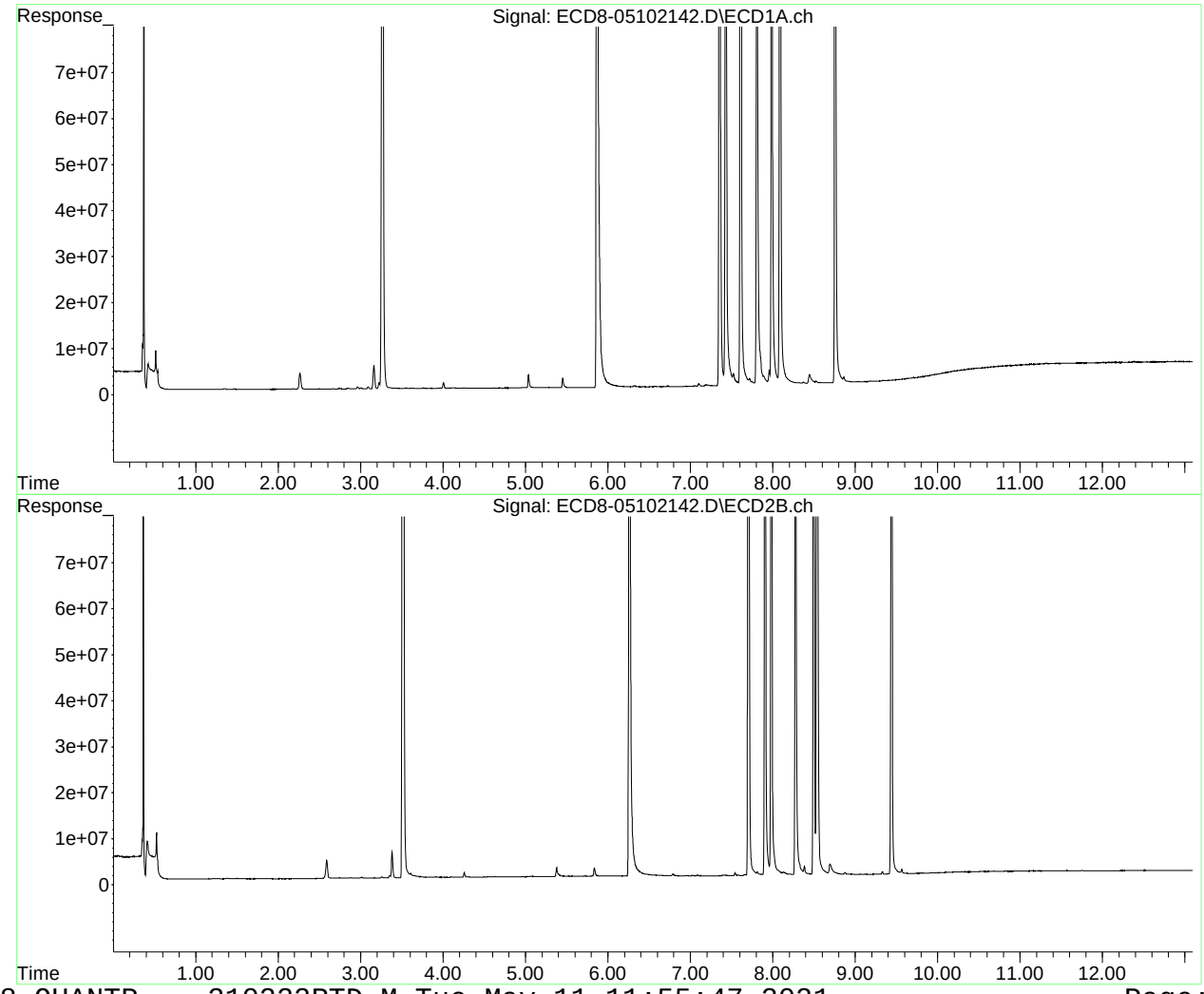
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:44
Operator : MJB
Sample : 1E10032-CCVC
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:25:46 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:44
Operator : MJB
Sample : 1E10032-CCVC
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

KAK 5/11/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:25:46 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.454f	5.810	2071801	25916	0.646	0.008	#
22) S	DCBP (S)	9.718	10.296	295637	276600	1931.191	BelowCal	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.322	0.000	298416	0	0.082	N.D.	#
4)	b-BHC	6.436f	6.787	36817	351749	0.024	0.023	
5)	Heptachlor	6.726	7.082	180204	189883	0.053	0.051	
6)	d-BHC	6.572	7.026	86280	119886	0.026	0.023	
7)	Aldrin	6.965	7.349	13551	37737	0.004	0.011	#
8)	Heptachlo...	7.427	7.813f	187.0E6	781409	59.287	0.236	#
9)	trans-Chl...	7.524	7.905	2551708	220.2E6	0.792	65.322	#
10)	cis-Chlor...	7.610	7.982f	325.4E6	356.8E6	103.227	110.035	
11)	Endosulfa...	7.718	0.000	1388193	0	0.479	N.D.	#
12)	4,4'-DDE	7.718f	8.129	1388193	738746	0.403	0.210	#
13)	Dieldrin	7.889	8.275	1867557	189.4E6	0.589	57.594	#
14)	Endrin	8.088	8.496	335.2E6	225.5E6	129.569	81.896	#
15)	4,4'-DDD	8.088f	8.538	335.2E6	377.0E6	123.846	133.449	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.310	0.000	236297	0	0.096	N.D.	#
18)	Endrin Al...	8.525	8.877	439765	501252	BelowCal	BelowCal	
19)	Endosulfa...	8.861f	9.065	1244766	156741	0.498	0.059	#
20)	Methoxychlor	8.631	9.254	38367	21806	0.031	0.017	#
21)	Endrin Ke...	9.031	9.440	133886	218.6E6	0.045	73.485	#
23)	Hexachlor...	3.265	3.516	384.8E6	459.8E6	110.691	114.680	
24)	Hexachlor...	5.869	6.260	233.3E6	267.1E6	71.554	74.386	
25)	Oxychlordane	7.355	7.706	289.6E6	317.7E6	105.006	108.067	

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:44
Operator : MJB
Sample : 1E10032-CCVC
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:25:46 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.427	7.905	187.0E6	220.2E6	83.661	94.736	
27)	trans-Non...	7.610	7.982	325.4E6	356.8E6	102.376	106.079	
28)	2,4'-DDD	7.806	8.275	161.3E6	189.4E6	85.148	92.996	
29)	2,4'-DDT	7.986	8.496	197.8E6	225.5E6	98.061	107.189	
30)	cis-Nonac...	8.088	8.538	335.2E6	377.0E6	99.890	105.054	
31)	Mirex	8.756	9.440	206.5E6	218.6E6	104.394	107.422	
32)	Chlordane...	7.610f	7.982	325.4E6	356.8E6	930.238	883.946	
33)	Chlordane...	0.000	8.129f	0	738746	N.D.	2.190	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.718	8.382f	1388193	1946689	93.705	61.413	#
37)	Toxaphene...	7.986	0.000	197.8E6	0	BelowCal	N.D.	
38)	Toxaphene...	8.310	0.000	236297	0	4.094	N.D.	#
39)	Toxaphene...	8.570	8.877	199918	501252	3.169	1.862	#
40)	Toxaphene...	0.000	9.020	0	37290	N.D.	BelowCal	
41)	Toxaphene...	8.861	9.396	1244766	99627	23.106	1.735	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

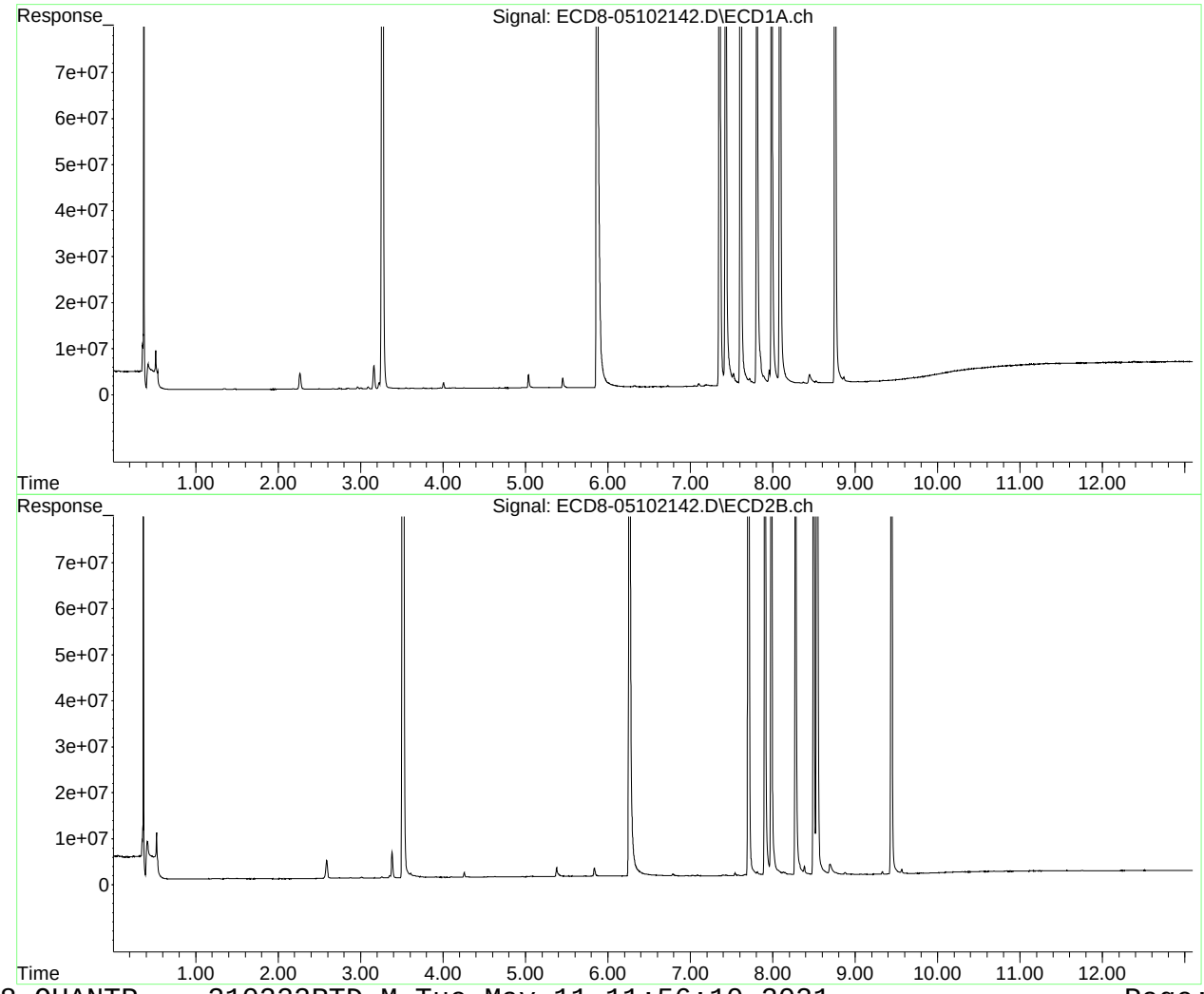
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 20:44
Operator : MJB
Sample : 1E10032-CCVC
Misc : A21C332, 9-42 Mix 100 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:25:46 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:00
Operator : MJB
Sample : 1E10032-CCB5
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:57:31 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.798	280.9E6	284.8E6	87.616	83.660	
22) S	DCBP (S)	9.709	10.295	220.9E6	222.9E6	116.167	128.047	
	Target Compounds							
2)	a-BHC	0.000	6.392	0	35307	N.D.	0.008	#
3)	g-BHC	6.333	6.672f	10299	12306	0.003	0.003	
4)	b-BHC	6.394	6.773	81797	32619	0.052	BelowCal	#
5)	Heptachlor	6.722	7.082	11328	8882	0.003	0.002	#
6)	d-BHC	6.564	7.023	23177	27535	0.007	BelowCal	#
7)	Aldrin	6.977	7.332	72079	13618	0.021	0.004	#
8)	Heptachlo...	7.429	7.775	15880	26843	0.005	0.008	#
9)	trans-Chl...	7.524	7.914	308849	24009	0.096	0.007	#
10)	cis-Chlor...	7.615	8.017	26559	17039	0.008	0.005	#
11)	Endosulfa...	7.730	8.072	16690	36340	0.006	0.012	#
12)	4,4'-DDE	7.689	8.140	49460	25764	0.014	0.007	#
13)	Dieldrin	7.897	8.239f	22829	38488	0.007	0.012	#
14)	Endrin	8.077	8.502	23083	33072	0.009	0.016	#
15)	4,4'-DDD	8.111	8.539	14280	25463	0.005	0.009	#
16)	Endosulfa...	8.235	8.644	41964	50274	0.017	0.019	
17)	4,4'-DDT	8.304	8.795f	7253	211825	0.003	0.054	#
18)	Endrin Al...	8.525	8.869	337183	208141	BelowCal	BelowCal	
19)	Endosulfa...	8.832	9.066	65933	125286	0.026	0.047	#
20)	Methoxychlor	8.652	9.233	54093	41452	0.043	0.032	#
21)	Endrin Ke...	9.033	9.447	36405	121006	0.012	BelowCal	#
23)	Hexachlor...	0.000	3.513	0	6161	N.D.	0.002	#
24)	Hexachlor...	5.868	6.258	445094	106854	0.137	0.030	#
25)	Oxychlordane	7.359	7.711	17129	47602	0.006	0.016	#

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:00
Operator : MJB
Sample : 1E10032-CCB5
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:57:31 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.429	7.914	15880	24009	0.007	0.010	#
27)	trans-Non...	7.615	7.986	26559	34798	0.008	0.010	
28)	2,4'-DDD	7.815	8.239f	17557	38488	0.009	BelowCal	#
29)	2,4'-DDT	7.984	8.502	22352	33072	0.011	0.016	#
30)	cis-Nonac...	8.089	8.539	33432	25463	0.010	0.007	#
31)	Mirex	8.760	9.447	50778	121006	21703.377	BelowCal	#
32)	Chlordane...	7.606f	7.986	24657	34798	0.070	0.086	
33)	Chlordane...	7.664	8.098	9007	29650	0.026	0.088	#
34)	Chlordane...	8.235	8.795f	41964	211825	0.398	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.717	8.420	18206	10311	0.310	0.325	
37)	Toxaphene...	8.021	8.795f	51562	211825	1.046	5.488	#
38)	Toxaphene...	8.319	8.795	10767	211825	0.187	3.668	#
39)	Toxaphene...	8.586f	8.869	107468	208141	1.704	BelowCal	#
40)	Toxaphene...	8.805	9.026	9684	51468	0.204	BelowCal	#
41)	Toxaphene...	8.870	9.409	15078	61944	0.280	1.079	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

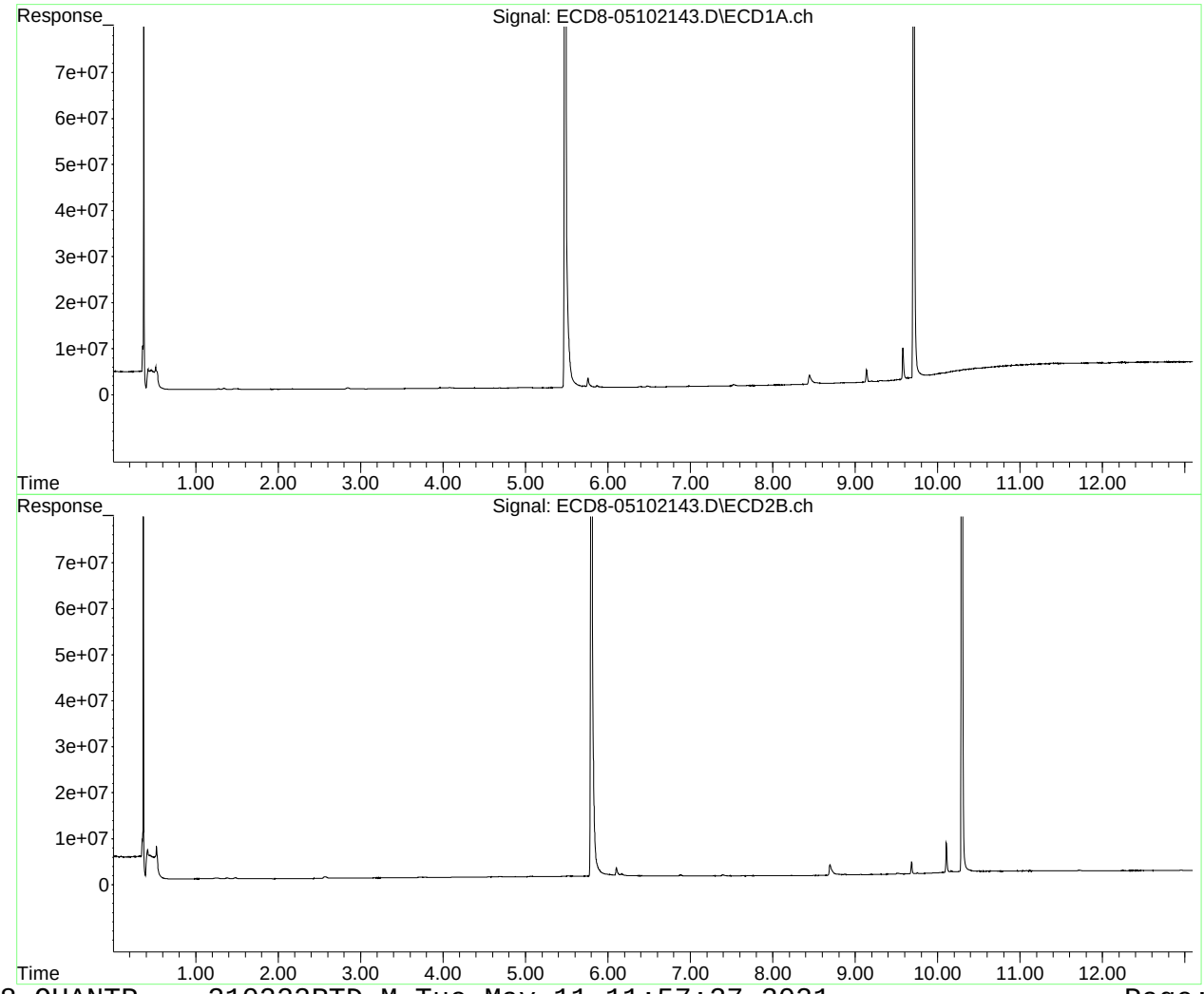
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:00
Operator : MJB
Sample : 1E10032-CCB5
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:57:31 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

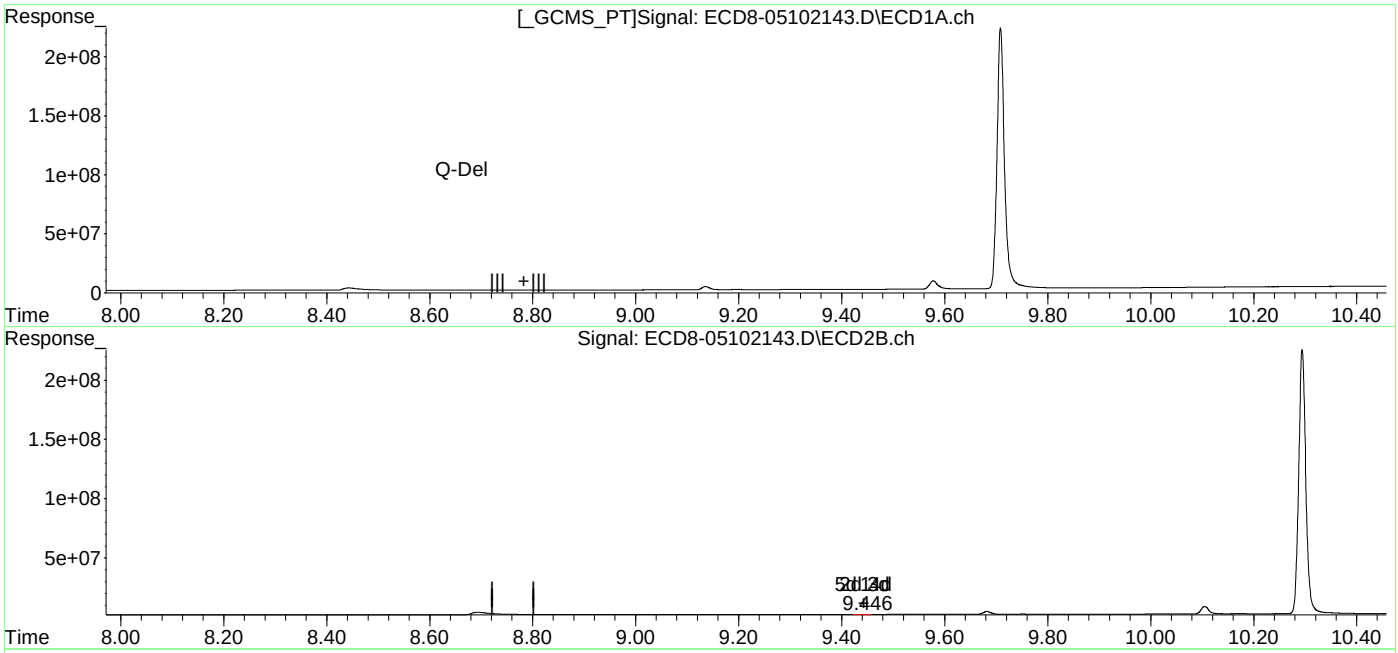


Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 21:00
Operator : MJB
Sample   : 1E10032-CCB5
Misc   : A21E029
ALS Vial : 7   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:57:31 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(31) Mirex
0.000min 0.000 ng/mL d
response 0

(31) Mirex #2
9.447min -0.373 ng/mL
response 121006

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:00
Operator : MJB
Sample : 1E10032-CCB5
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

KAK 5/11/21

Clean

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:58:57 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.481	5.798	280.9E6	284.8E6	87.616	83.660	
22)	S DCBP (S)	9.709	10.295	220.9E6	222.9E6	116.167	128.047	
	Target Compounds							
2)	a-BHC	0.000	6.392	0	35307	N.D.	0.008	#
3)	g-BHC	6.333	6.672f	10299	12306	0.003	0.003	
4)	b-BHC	6.394	6.773	81797	32619	0.052	BelowCal	#
5)	Heptachlor	6.722	7.082	11328	8882	0.003	0.002	#
6)	d-BHC	6.564	7.023	23177	27535	0.007	BelowCal	#
7)	Aldrin	6.977	7.332	72079	13618	0.021	0.004	#
8)	Heptachlo...	7.429	7.775	15880	26843	0.005	0.008	#
9)	trans-Chl...	7.524	7.914	308849	24009	0.096	0.007	#
10)	cis-Chlor...	7.615	8.017	26559	17039	0.008	0.005	#
11)	Endosulfa...	7.730	8.072	16690	36340	0.006	0.012	#
12)	4,4'-DDE	7.689	8.140	49460	25764	0.014	0.007	#
13)	Dieldrin	7.897	8.239f	22829	38488	0.007	0.012	#
14)	Endrin	8.077	8.502	23083	33072	0.009	0.016	#
15)	4,4'-DDD	8.111	8.539	14280	25463	0.005	0.009	#
16)	Endosulfa...	8.235	8.644	41964	50274	0.017	0.019	
17)	4,4'-DDT	8.304	8.795f	7253	211825	0.003	0.054	#
18)	Endrin Al...	8.525	8.869	337183	208141	BelowCal	BelowCal	
19)	Endosulfa...	8.832	9.066	65933	125286	0.026	0.047	#
20)	Methoxychlor	8.652	9.233	54093	41452	0.043 Q-31	0.032	#
21)	Endrin Ke...	9.033	9.447	36405	121006	0.012	BelowCal	#
23)	Hexachlor...	0.000	3.513	0	6161	N.D.	0.002	#
24)	Hexachlor...	5.868	6.258	445094	106854	0.137	0.030	#
25)	Oxychlordane	7.359	7.711	17129	47602	0.006	0.016	#

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:00
Operator : MJB
Sample : 1E10032-CCB5
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:58:57 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.429	7.914	15880	24009	0.007	0.010	#
27)	trans-Non...	7.615	7.986	26559	34798	0.008	0.010	
28)	2,4'-DDD	7.815	8.239f	17557	38488	0.009	BelowCal	#
29)	2,4'-DDT	7.984	8.502	22352	33072	0.011	0.016	#
30)	cis-Nonac...	8.089	8.539	33432	25463	0.010	0.007	#
31)	Mirex	0.000	9.447	0	121006	N.D. d	BelowCal	
32)	Chlordane...	7.606f	7.986	24657	34798	0.070	0.086	
33)	Chlordane...	7.664	8.098	9007	29650	0.026	0.088	#
34)	Chlordane...	8.235	8.795f	41964	211825	0.398	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.717	8.420	18206	10311	0.310	0.325	
37)	Toxaphene...	8.021	8.795f	51562	211825	1.046	5.488	#
38)	Toxaphene...	8.319	8.795	10767	211825	0.187	3.668	#
39)	Toxaphene...	8.586f	8.869	107468	208141	1.704	BelowCal	#
40)	Toxaphene...	8.805	9.026	9684	51468	0.204	BelowCal	#
41)	Toxaphene...	8.870	9.409	15078	61944	0.280	1.079	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

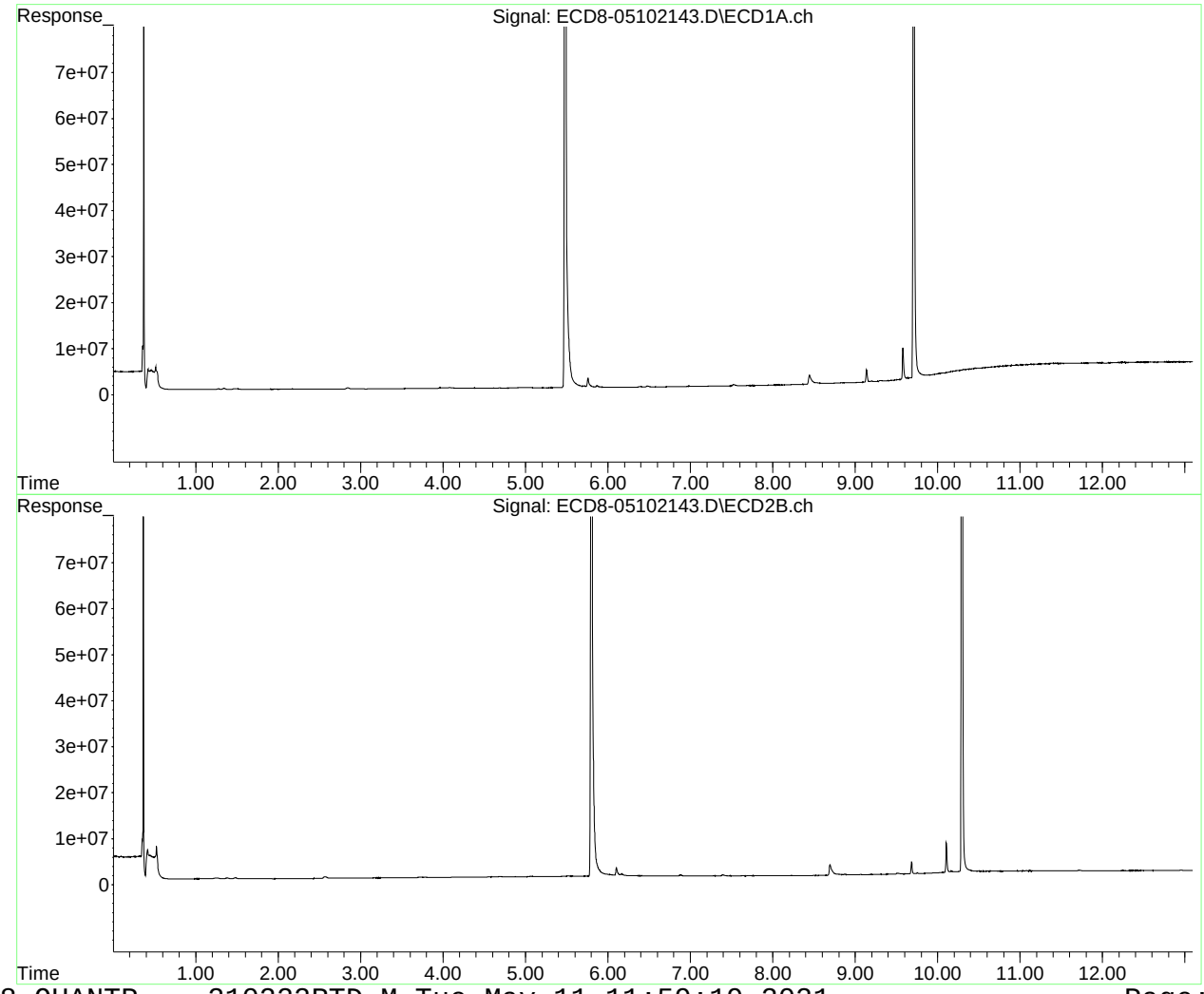
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:00
Operator : MJB
Sample : 1E10032-CCB5
Misc : A21E029
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 11:58:57 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:17
Operator : MJB
Sample : 1E10032-IBL1
Misc : GPC Blank
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:01:36 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.464	5.801	649634	181448	0.203	0.053	#
22) S	DCBP (S)	0.000	10.296	0	206957	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.035	6.391	166413	201927	0.039	0.045	
3)	g-BHC	6.325	6.707	255616	235220	0.070	0.060	
4)	b-BHC	6.390	6.783	21537	162325	0.014	BelowCal	#
5)	Heptachlor	6.727	7.081	275119	296485	0.080	0.080	
6)	d-BHC	6.567	7.026	225740	314203	0.067	0.077	
7)	Aldrin	6.965	7.341	219686	236029	0.064	0.067	
8)	Heptachlo...	7.435	7.756	472479	926311	0.150	0.280	#
9)	trans-Chl...	7.529	7.916	317084	420110	0.098	0.125	#
10)	cis-Chlor...	7.623	8.022	415296	334059	0.132	0.103	
11)	Endosulfa...	7.727	8.069	265472	316256	0.092	0.105	
12)	4,4'-DDE	7.684	8.134	193324	172239	0.056	0.049	
13)	Dieldrin	7.901	8.267	146053	153395	0.046	0.047	
14)	Endrin	8.069	8.490	123482	149403	0.048	0.064	#
15)	4,4'-DDD	8.117	8.540	33977	114749	0.013	0.041	#
16)	Endosulfa...	8.236	8.647	34954	113494	0.014	0.042	#
17)	4,4'-DDT	8.310	0.000	28099	0	0.011	N.D.	#
18)	Endrin Al...	8.495f	8.861	457508	219118	BelowCal	BelowCal	
19)	Endosulfa...	8.832	9.068	34085	41161	0.014	0.015	
20)	Methoxychlor	8.650	9.238	306595	360439	0.245	0.274	
21)	Endrin Ke...	9.033	9.441	23713	119780	0.008	BelowCal	#
23)	Hexachlor...	3.269	3.479f	438525	38474186	0.126	9.597	#
24)	Hexachlor...	5.869	6.264	75741	680508	0.023	0.190	#
25)	Oxychlordane	7.358	7.708	250474	302618	0.091	0.103	

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:17
Operator : MJB
Sample : 1E10032-IBL1
Misc : GPC Blank
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:01:36 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.435	7.916	472479	420110	0.211	0.181	
27)	trans-Non...	7.623	7.985	415296	290566	0.131	0.086	#
28)	2,4'-DDD	7.811	8.267	58495	153395	0.031	BelowCal	#
29)	2,4'-DDT	7.991	8.490	58389	149403	0.029	0.071	#
30)	cis-Nonac...	8.090	8.540	106753	114749	0.032	0.032	
31)	Mirex	8.761	9.441	89779	119780	21703.358	BelowCal	#
32)	Chlordane...	0.000	7.985	0	290566	N.D.	0.720	#
33)	Chlordane...	7.684	8.134f	193324	172239	0.556	0.511	
34)	Chlordane...	8.236	0.000	34954	0	0.331	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.727	8.394	265472	30297	17.081	0.956	#
37)	Toxaphene...	7.991	0.000	58389	0	1.259	N.D.	#
38)	Toxaphene...	8.310	0.000	28099	0	0.487	N.D.	#
39)	Toxaphene...	8.598f	8.861	58932	219118	0.934	BelowCal	#
40)	Toxaphene...	8.832f	9.025	34085	26109	0.717	BelowCal	#
41)	Toxaphene...	8.868	9.441f	9136	119780	0.170	2.087	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

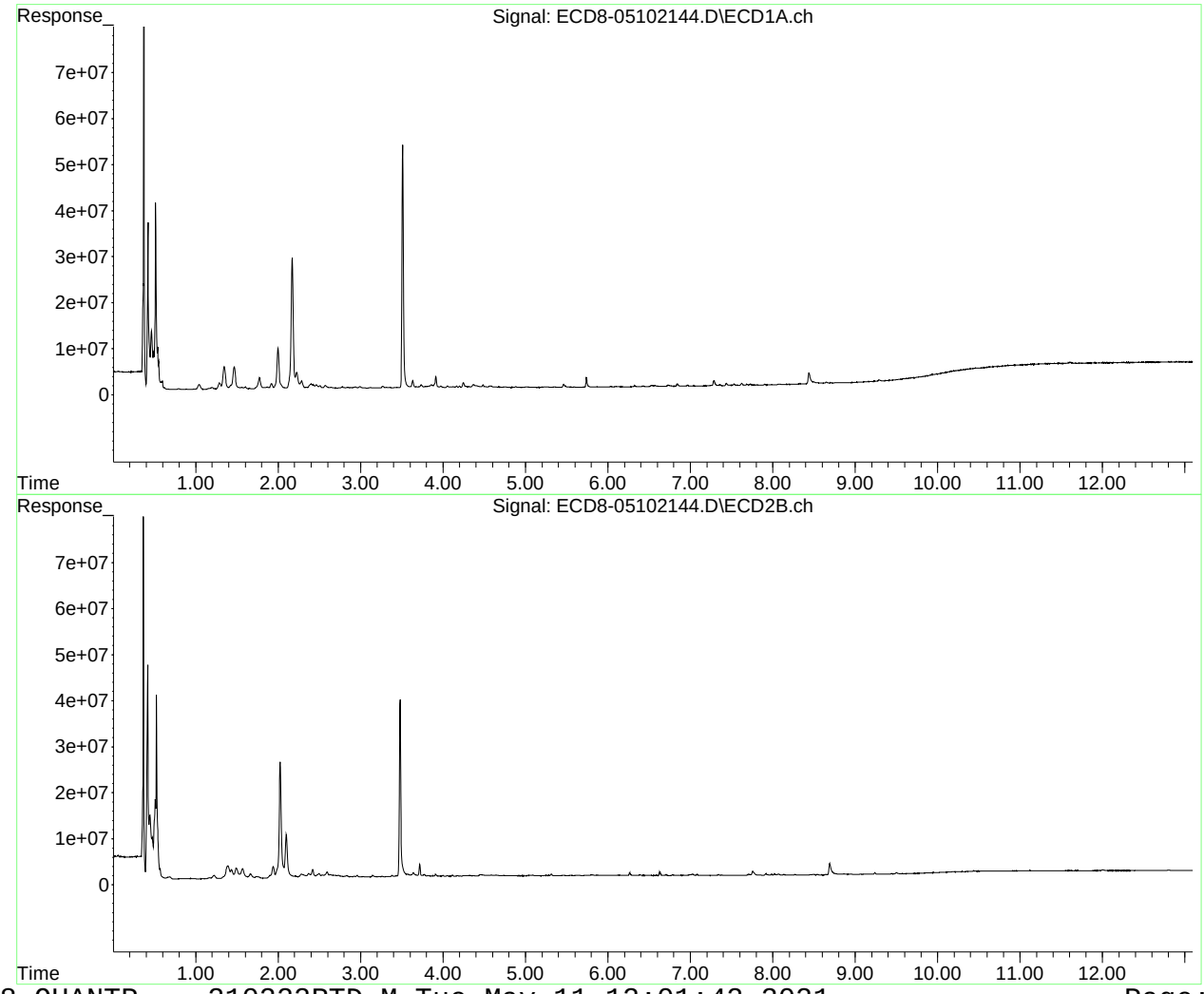
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:17
Operator : MJB
Sample : 1E10032-IBL1
Misc : GPC Blank
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:01:36 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

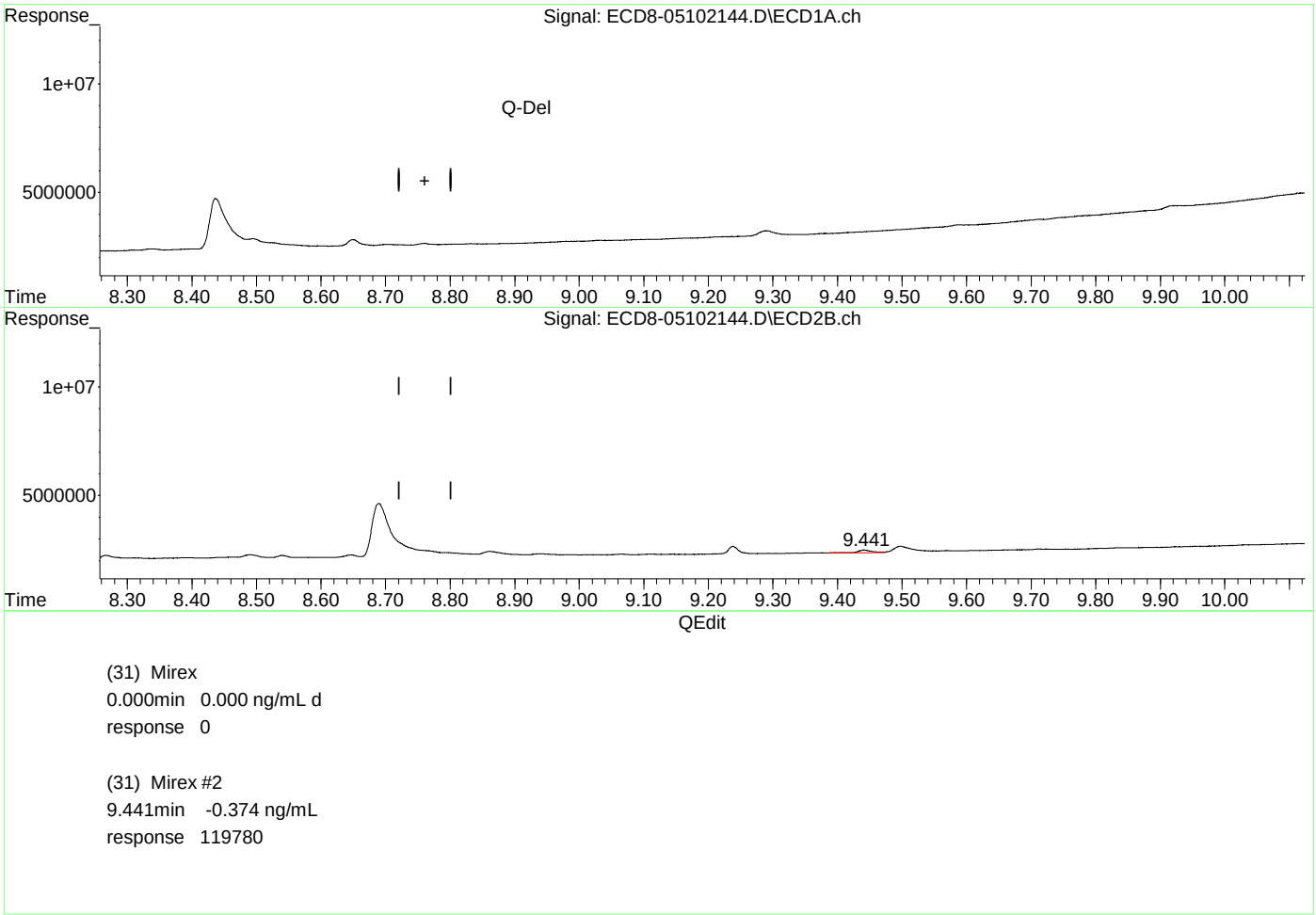


Quantitation Report (Qedit)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 10 May 2021 21:17
Operator : MJB
Sample   : 1E10032-IBL1
Misc   : GPC Blank
ALS Vial : 26   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:03:45 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



(31) Mirex
0.000min 0.000 ng/mL d
response 0

(31) Mirex #2
9.441min -0.374 ng/mL
response 119780

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:17
Operator : MJB
Sample : 1E10032-IBL1
Misc : GPC Blank
ALS Vial : 26 Sample Multiplier: 1

KAK 5/11/21

Clean

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:05:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.464	5.801	649634	181448	0.203	0.053	#
22)	S DCBP (S)	0.000	10.296	0	206957	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.035	6.391	166413	201927	0.039	0.045	
3)	g-BHC	6.325	6.707	255616	235220	0.070	0.060	
4)	b-BHC	6.390	6.783	21537	162325	0.014	BelowCal	#
5)	Heptachlor	6.727	7.081	275119	296485	0.080	0.080	
6)	d-BHC	6.567	7.026	225740	314203	0.067	0.077	
7)	Aldrin	6.965	7.341	219686	236029	0.064	0.067	
8)	Heptachlo...	7.435	7.756	472479	926311	0.150	0.280	#
9)	trans-Chl...	7.529	7.916	317084	420110	0.098	0.125	#
10)	cis-Chlor...	7.623	8.022	415296	334059	0.132	0.103	
11)	Endosulfa...	7.727	8.069	265472	316256	0.092	0.105	
12)	4,4'-DDE	7.684	8.134	193324	172239	0.056	0.049	
13)	Dieldrin	7.901	8.267	146053	153395	0.046	0.047	
14)	Endrin	8.069	8.490	123482	149403	0.048	0.064	#
15)	4,4'-DDD	8.117	8.540	33977	114749	0.013	0.041	#
16)	Endosulfa...	8.236	8.647	34954	113494	0.014	0.042	#
17)	4,4'-DDT	8.310	0.000	28099	0	0.011	N.D.	#
18)	Endrin Al...	8.495f	8.861	457508	219118	BelowCal	BelowCal	
19)	Endosulfa...	8.832	9.068	34085	41161	0.014	0.015	
20)	Methoxychlor	8.650	9.238	306595	360439	0.245	0.274	
21)	Endrin Ke...	9.033	9.441	23713	119780	0.008	BelowCal	#
23)	Hexachlor...	3.269	3.479f	438525	38474186	0.126	9.597	#
24)	Hexachlor...	5.869	6.264	75741	680508	0.023	0.190	#
25)	Oxychlordane	7.358	7.708	250474	302618	0.091	0.103	

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:17
Operator : MJB
Sample : 1E10032-IBL1
Misc : GPC Blank
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:05:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
26)	2,4'-DDE	7.435	7.916	472479	420110	0.211	0.181	
27)	trans-Non...	7.623	7.985	415296	290566	0.131	0.086	#
28)	2,4'-DDD	7.811	8.267	58495	153395	0.031	BelowCal	#
29)	2,4'-DDT	7.991	8.490	58389	149403	0.029	0.071	#
30)	cis-Nonac...	8.090	8.540	106753	114749	0.032	0.032	
31)	Mirex	0.000	9.441	0	119780	N.D. d	BelowCal	
32)	Chlordane...	0.000	7.985	0	290566	N.D.	0.720	#
33)	Chlordane...	7.684	8.134f	193324	172239	0.556	0.511	
34)	Chlordane...	8.236	0.000	34954	0	0.331	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.727	8.394	265472	30297	17.081	0.956	#
37)	Toxaphene...	7.991	0.000	58389	0	1.259	N.D.	#
38)	Toxaphene...	8.310	0.000	28099	0	0.487	N.D.	#
39)	Toxaphene...	8.598f	8.861	58932	219118	0.934	BelowCal	#
40)	Toxaphene...	8.832f	9.025	34085	26109	0.717	BelowCal	#
41)	Toxaphene...	8.868	9.441f	9136	119780	0.170	2.087	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

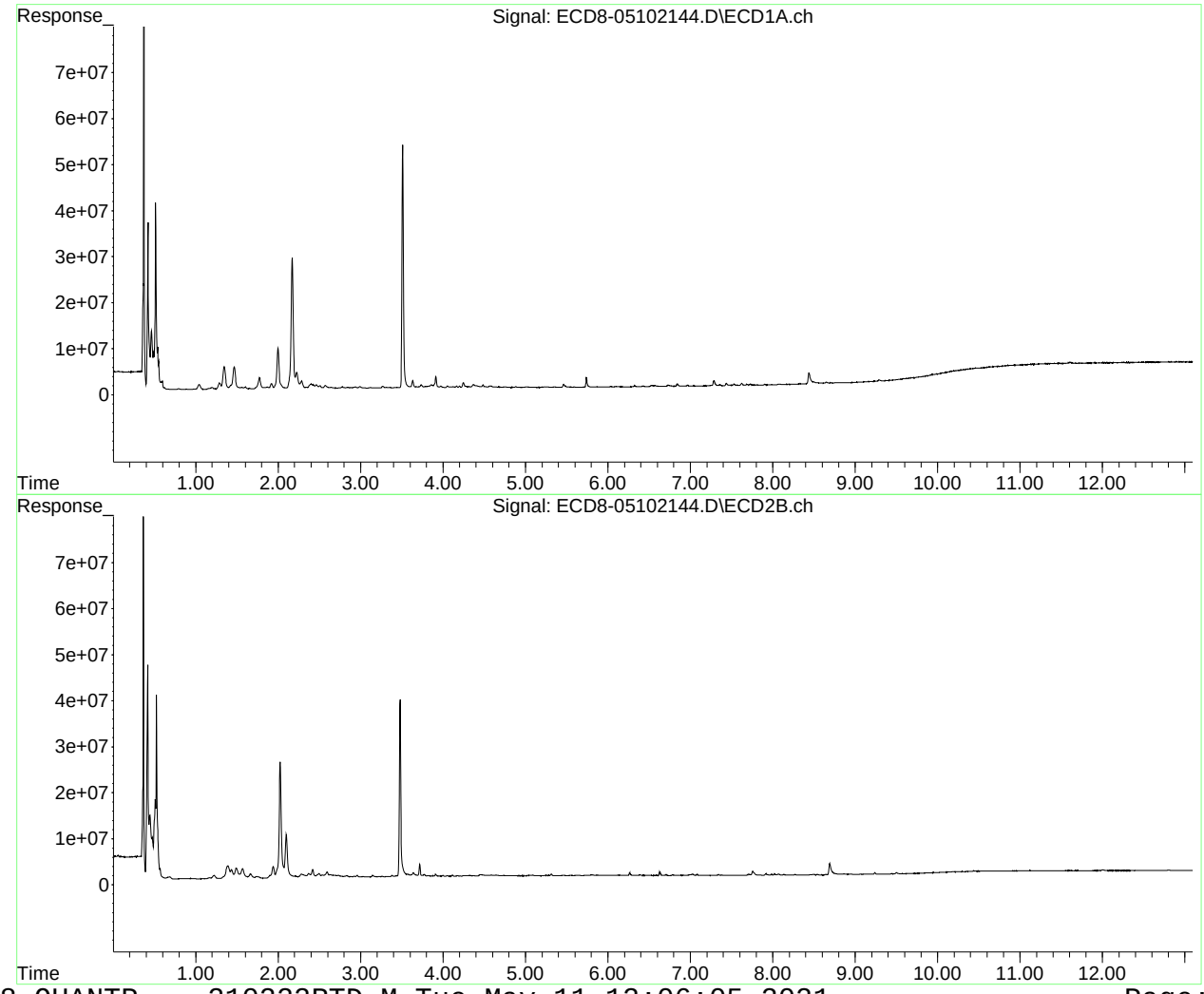
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Q:\data\2021-05\1E10032\
Data File : ECD8-05102144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 May 2021 21:17
Operator : MJB
Sample : 1E10032-IBL1
Misc : GPC Blank
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 11 12:05:29 2021
Quant Method : Q:\methods\ECD8_QUANTPEST_210222RTD.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2uL
Signal #1 Phase : Rtx-CLPesticides Signal #2 Phase: Rtx-CLPesticides2
Signal #1 Info : 30m X 0.32mm X 0. Signal #2 Info : 30m X 0.32mm X 0.25um



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

Organochlorine Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 1050384
Sequence 1E14010 (A1E0219-02RE1)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050384 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050384-BLK1		QC	05/12/21 07:32	1100	5				100					
	1050384-BSD1		QC	05/12/21 07:32	1000	5	A21E012		100	100					
	1050384-BS1		QC	05/12/21 07:32	1000	5	A21E012		100	100					
	A1E0219-02RE1	I	8081B 2,4+4,4-DDx Only (+Add)	05/12/21 07:32	1060	5				100	SC-RB-2105030 901	Extract past hold. Re-extract added 5/11/2021 by KAK			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A21A018	01/04/23	Conc. HCl - Omnitrace
A21A347	07/25/21	DCM lot # 207252
A21C112	09/06/21	Sodium Sulfate Lot # 204081
A21C176	09/12/22	n-Hexane Lot# 207249

Analyte Spike(s)

Std ID	Exp. Date	Description
A21E012	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A21D309	09/26/21	8082 PCB Surrogate Spike

3x Rinse:

Witness:_____

Bottle Check:_____

Prepared By: Date

Reviewed By: Date

MJB 5/18/21

Analyst Review: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050384 (Water)

Prep Method: EPA 3510C (Neutral pH)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
7	1050384-BLK1		QC	05/12/21 07:32	~~1000~~ 1100	5				100		★		6	
9	1050384-BSD1		QC	05/12/21 07:32	1000	5	A21E012		100	100		★		6	
8	1050384-BS1		QC	05/12/21 07:32	1000	5	A21E012		100	100		★		6	
10	A1E0219-02RE1	G I	8081B 2,4+4,4-DDx Only (+Add)	05/12/21 07:32	~~1000~~ 1060	5				100	SC-RB-2105030 901	Extract past hold. Re-extract added 5/11/2021 by KAK ★		6	

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A21A018	01/04/23	Conc. HCl - Omnitrace
A21A347	07/25/21	DCM lot # 207252
A21C112	09/06/21	Sodium Sulfate Lot # 204081
A21C176	09/12/22	n-Hexane Lot# 207249

Analyte Spike(s)

Std ID	Exp. Date	Description
A21E012	11/03/21	2,4 + 4,4 DDx Pesticide Matrix Spike

SCG

Surrogate(s)

Std ID	Exp. Date	Description
A21D309	09/26/21	8082 PCB Surrogate Spike

SCG

★ - took out 2mL and exchanged in hexane. Vialed at 2mL JAG 5/14/21

3x Rinse: ✓

Witness: JAG 5/12/21

Bottle Check: JAG 5/12/21

SCG 05/12/2021
Prepared By: Date

Reviewed By: 05.12.21
Date

MJB 5/17/21
Analyst Review: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1E14010**	Instrument:	**DUALECD3**
Date:	**05/14/21 06:31**	Calibration:	**A1C0405**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E14010-BKD1	Sediment	QC	QC				A21C007
2	1E14010-CCV1	Sediment	QC	QC				A21B423
3	1E14010-CCV2	Sediment	QC	QC				A21C331
4	1E14010-CCB1	Sediment	QC	QC				A21E029
5	A1E0049-30RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050405		
6	A1E0049-32RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050405		
7	A1E0049-33RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050405		
8	1E14010-IBL1	Sediment	QC	QC				
9	A1E0049-34RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050405		
10	1E14010-IBL2	Sediment	QC	QC				
11	A1E0049-15RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
12	A1E0049-23RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
13	A1E0078-06RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/13/21	1050405		
14	A1E0078-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/13/21	1050405		
15	1050384-BLK1	Water	QC	QC		1050384		
16	1050384-BS1	Water	QC	QC		1050384		
17	1E14010-CCV3	Sediment	QC	QC				A21B424
18	1E14010-CCV4	Sediment	QC	QC				A21C332
19	1E14010-CCB2	Sediment	QC	QC				A21E029
20	1050384-BSD1	Water	QC	QC		1050384		
21	A1E0219-02RE1	Water	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/17/21	1050384		
22	A1E0049-16RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
23	1E14010-IBL3	Sediment	QC	QC				
24	A1E0049-19RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
25	1E14010-IBL4	Sediment	QC	QC				
26	A1E0049-20RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
27	1E14010-IBL5	Sediment	QC	QC				
28	A1E0049-21RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
29	1E14010-IBL6	Sediment	QC	QC				
30	A1E0049-22RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
31	1E14010-IBL7	Sediment	QC	QC				
32	A1E0049-27RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/21	1050404		
33	1E14010-IBL8	Sediment	QC	QC				
34	1050404-MS1	Sediment	QC	QC		1050404		
35	1E14010-IBL9	Sediment	QC	QC				
36	1E14010-CCV5	Sediment	QC	QC				A21B423
37	1E14010-CCV6	Sediment	QC	QC				A21C331
38	1E14010-CCB3	Sediment	QC	QC				A21E029

Standard	Description:	Expires:
A21B423	8081 Mix ABPesticide 50 ppb Calibration (Level 6)	8/22/2021
A21B424	8081 Mix ABPesticide 100 ppb Calibration (Level 7)	8/22/2021
A21C007	8081 Breakdown Check	5/17/2021
A21C331	8081 9-42 Pest 50 ppb Calibration (Level 6)	9/25/2021
A21C332	8081 9-42 Pest 100 ppb Calibration (Level 7)	9/25/2021
A21E029	8082 Instrument Blank	10/22/2021

Data Entered By/Date: MJB 5/18/21 Comments:

Data Reviewed By/Date: MKZ 6/1/2021

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1E14010 BKD1
Data File: ECD3-05142103.D

MJB 5/17/21

First Column Area Counts		Percent Breakdown	
DDE	1347947		
DDD	11402841		
DDT	104046186	**10.92**	**PASS**
Endrin	66796109	**15.14**	**FAIL**
Endrin Aldehyde	2625442		
Endrin Ketone	9294160		

DDx Only

Second Column Area Counts		Percent Breakdown	
DDE	869438		
DDD	7486974		
DDT	60786014	**12.09**	**PASS**
Endrin	40298031	**15.34**	**FAIL**
Endrin Ketone	1969158		
Endrin Ketone	5334491		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:19
Operator : MJB
Sample : 1E14010-BKD1 MJB 5/17/21
Misc : A21C007
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 13:51:32 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

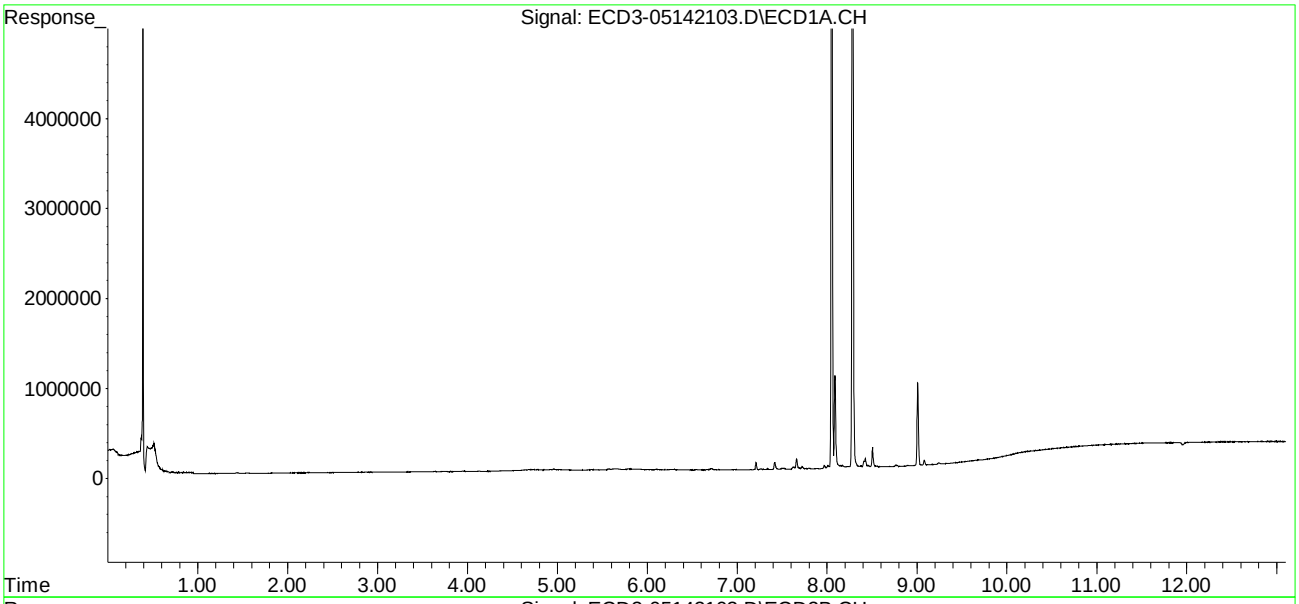
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.661	1347947	NoCal	ng/mL
2)	Endrin	8.050	66796109	NoCal	ng/mL
3)	4,4'-DDD	8.088	11402841	NoCal	ng/mL
4)	4,4'-DDT	8.283	104046186	NoCal	ng/mL
5)	Endrin Aldehyde	8.504	2625442	NoCal	ng/mL
6)	Endrin Ketone	9.006	9294160	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.155	869438	NoCal	ng/mL
9)	Endrin [2C]	8.516	40298031	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.567	7486974	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.898	1969158	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.790	60786014	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.477	5334491	NoCal	ng/mL

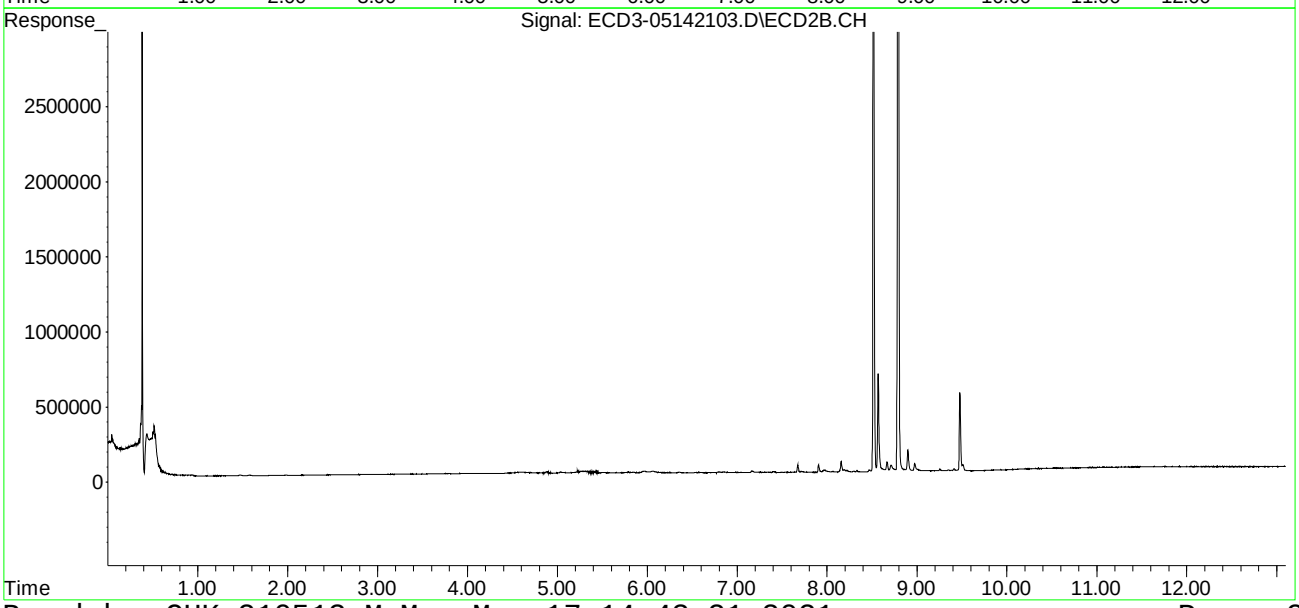
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:19
Operator : MJB
Sample : 1E14010-BKD1
Misc : A21C007
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 13:51:32 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210513.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:36
Operator : MJB
Sample : 1E14010-CCV1
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:56:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.826	8432491	5131183	48.637	50.128	
22) S	DCBP (S)	9.676	10.316	6255540	3281320	47.875	50.221	
	Target Compounds							
2)	a-BHC	6.028	6.418	12313006	7742628	52.166	53.628	
3)	g-BHC	6.312	6.733	10540619	6640847	51.820	53.365	
4)	b-BHC	6.391	6.800	4500833	2786958	49.689	49.644	
5)	Heptachlor	6.709	7.105	9376986	5820626	49.574	51.315	
6)	d-BHC	6.541	7.047	9741355	6164271	52.759	55.600	
7)	Aldrin	6.950	7.367	10483355	6299819	49.400	50.149	
8)	Heptachlo...	7.417	7.801	8946754	5479867	48.501	50.060	
9)	trans-Chl...	7.509	7.941	9557226	5701530	49.600	50.409	
10)	cis-Chlor...	7.607	8.048	9244324	5515562	51.430	50.175	
11)	Endosulfa...	7.708	8.096	8551754	5211909	49.865	51.996	
12)	4,4'-DDE	7.660	8.154	9345044	5724244	49.147	51.876	
13)	Dieldrin	7.881	8.294	9692313	5943238	50.626	53.449	
14)	Endrin	8.049	8.516	7032339	4262409	48.459	50.726	
15)	4,4'-DDD	8.087	8.566	7764511	4700458	53.768	55.608	
16)	Endosulfa...	8.210	8.663	7308147	4585321	50.262	52.119	
17)	4,4'-DDT	8.282	8.790	5224686	3039620	46.111	47.720	
18)	Endrin Al...	8.504	8.898	5802593	3651004	50.157	51.598	
19)	Endosulfa...	8.808	9.091	6720425	3999935	50.237	55.446	
20)	Methoxychlor	8.614	9.256	2350166	1481480	41.358	42.178	
21)	Endrin Ke...	9.006	9.478	7836235	4652990	52.587	56.471	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.865	0.000	25326	0	BelowCal	N.D.	
25)	Oxychlordane	7.350	7.713f	45525	18108	BelowCal	BelowCal	
26)	2,4'-DDE	7.417	7.941	8946754	5701530	75.670	79.797	
27)	trans-Non...	7.607	7.992	9244324	44217	52.595	0.009	#
28)	2,4'-DDD	7.799	8.294	27571	5943238	BelowCal	96.319	
29)	2,4'-DDT	7.967	8.516	22287	4262409	BelowCal	83.355	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:36
Operator : MJB
Sample : 1E14010-CCV1
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:56:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

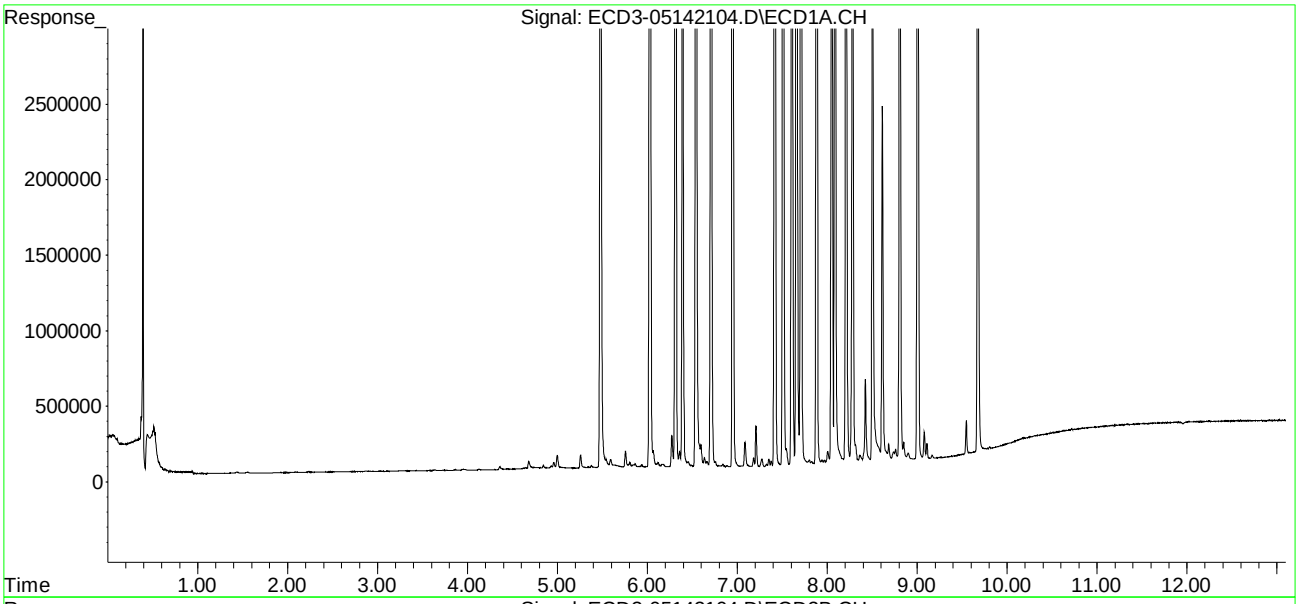
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.566	7764511	4700458	42.486	44.328	
31)	Mirex	8.736	9.478	54315	4652990	BelowCal	74.921	
32)	Chlordane...	7.509	7.941	9557226	5701530	436.641	415.831	
33)	Chlordane...	7.607	8.048	9244324	5515562	417.284	467.253	
34)	Chlordane...	0.000	8.709	0	52891	N.D.	15.813	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.607	8.294f	9244324	5943238	7972.372	5030.860	
37)	Toxaphene...	7.881	8.603	9692313	88094	5484.937	70.195	#
38)	Toxaphene...	8.210	8.663	7308147	4585321	1961.487	2191.532	
39)	Toxaphene...	8.425	8.709	544100	52891	165.666	10.393	#
40)	Toxaphene...	8.684	8.898	108697	3651004	50.398	1900.546	#
41)	Toxaphene...	8.736	9.256	54315	1481480	22.006	799.936	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

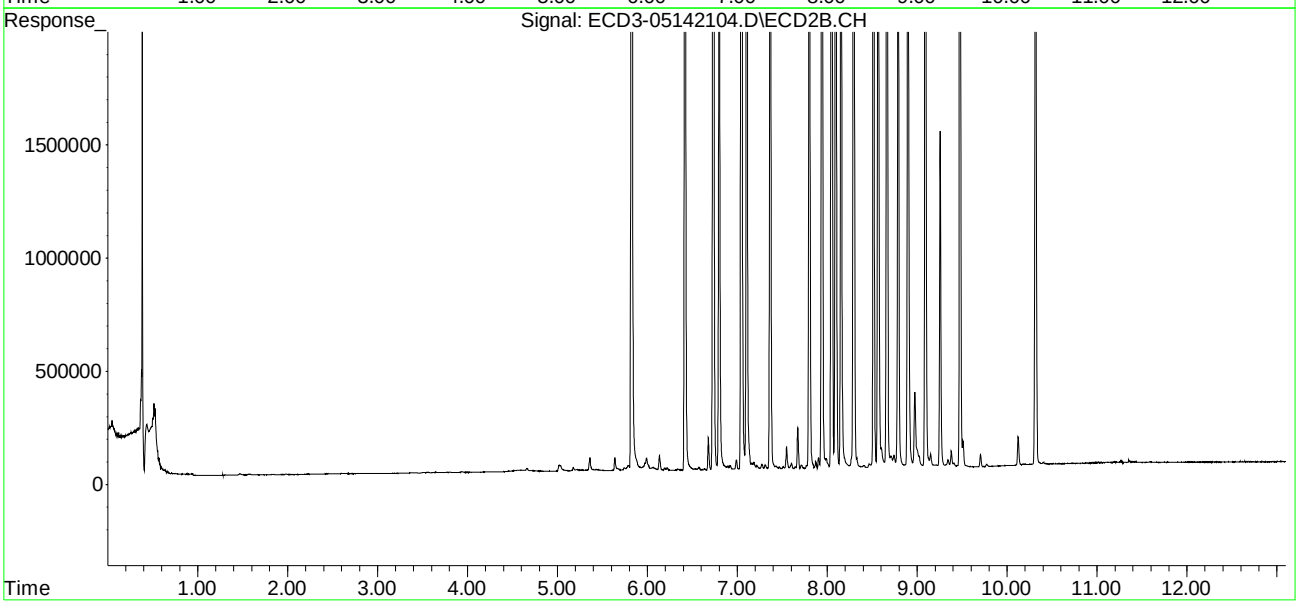
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:36
Operator : MJB
Sample : 1E14010-CCV1
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:56:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:36
Operator : MJB
Sample : 1E14010-CCV1
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:56:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.826	8432491	5131183	48.637	50.128	
22) S	DCBP (S)	9.676	10.316	6255540	3281320	47.875	50.221	
	Target Compounds							
2)	a-BHC	6.028	6.418	12313006	7742628	52.166	53.628	
3)	g-BHC	6.312	6.733	10540619	6640847	51.820	53.365	
4)	b-BHC	6.391	6.800	4500833	2786958	49.689	49.644	
5)	Heptachlor	6.709	7.105	9376986	5820626	49.574	51.315	
6)	d-BHC	6.541	7.047	9741355	6164271	52.759	55.600	
7)	Aldrin	6.950	7.367	10483355	6299819	49.400	50.149	
8)	Heptachlo...	7.417	7.801	8946754	5479867	48.501	50.060	
9)	trans-Chl...	7.509	7.941	9557226	5701530	49.600	50.409	
10)	cis-Chlor...	7.607	8.048	9244324	5515562	51.430	50.175	
11)	Endosulfa...	7.708	8.096	8551754	5211909	49.865	51.996	
12)	4,4'-DDE	7.660	8.154	9345044	5724244	49.147	51.876	
13)	Dieldrin	7.881	8.294	9692313	5943238	50.626	53.449	
14)	Endrin	8.049	8.516	7032339	4262409	48.459	50.726	
15)	4,4'-DDD	8.087	8.566	7764511	4700458	53.768	55.608	
16)	Endosulfa...	8.210	8.663	7308147	4585321	50.262	52.119	
17)	4,4'-DDT	8.282	8.790	5224686	3039620	46.111	47.720	
18)	Endrin Al...	8.504	8.898	5802593	3651004	50.157	51.598	
19)	Endosulfa...	8.808	9.091	6720425	3999935	50.237	55.446	
20)	Methoxychlor	8.614	9.256	2350166	1481480	41.358	42.178	
21)	Endrin Ke...	9.006	9.478	7836235	4652990	52.587	56.471	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.865	0.000	25326	0	BelowCal	N.D.	
25)	Oxychlordane	7.350	7.713f	45525	18108	BelowCal	BelowCal	
26)	2,4'-DDE	7.417	7.941	8946754	5701530	75.670	79.797	
27)	trans-Non...	7.607	7.992	9244324	44217	52.595	0.009	#
28)	2,4'-DDD	7.799	8.294	27571	5943238	BelowCal	96.319	
29)	2,4'-DDT	7.967	8.516	22287	4262409	BelowCal	83.355	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:36
Operator : MJB
Sample : 1E14010-CCV1
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:56:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

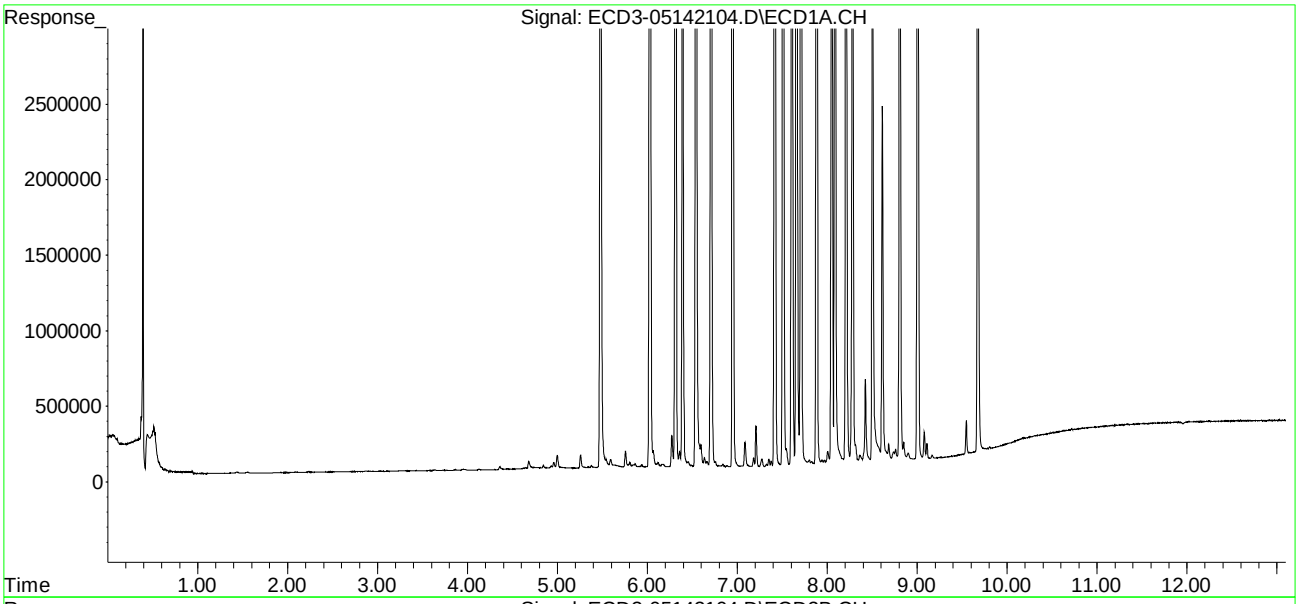
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.566	7764511	4700458	42.486	44.328	
31)	Mirex	8.736	9.478	54315	4652990	BelowCal	74.921	
32)	Chlordane...	7.509	7.941	9557226	5701530	436.641	415.831	
33)	Chlordane...	7.607	8.048	9244324	5515562	417.284	467.253	
34)	Chlordane...	0.000	8.709	0	52891	N.D.	15.813	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.607	8.294f	9244324	5943238	7972.372	5030.860	
37)	Toxaphene...	7.881	8.603	9692313	88094	5484.937	70.195	#
38)	Toxaphene...	8.210	8.663	7308147	4585321	1961.487	2191.532	
39)	Toxaphene...	8.425	8.709	544100	52891	165.666	10.393	#
40)	Toxaphene...	8.684	8.898	108697	3651004	50.398	1900.546	#
41)	Toxaphene...	8.736	9.256	54315	1481480	22.006	799.936	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

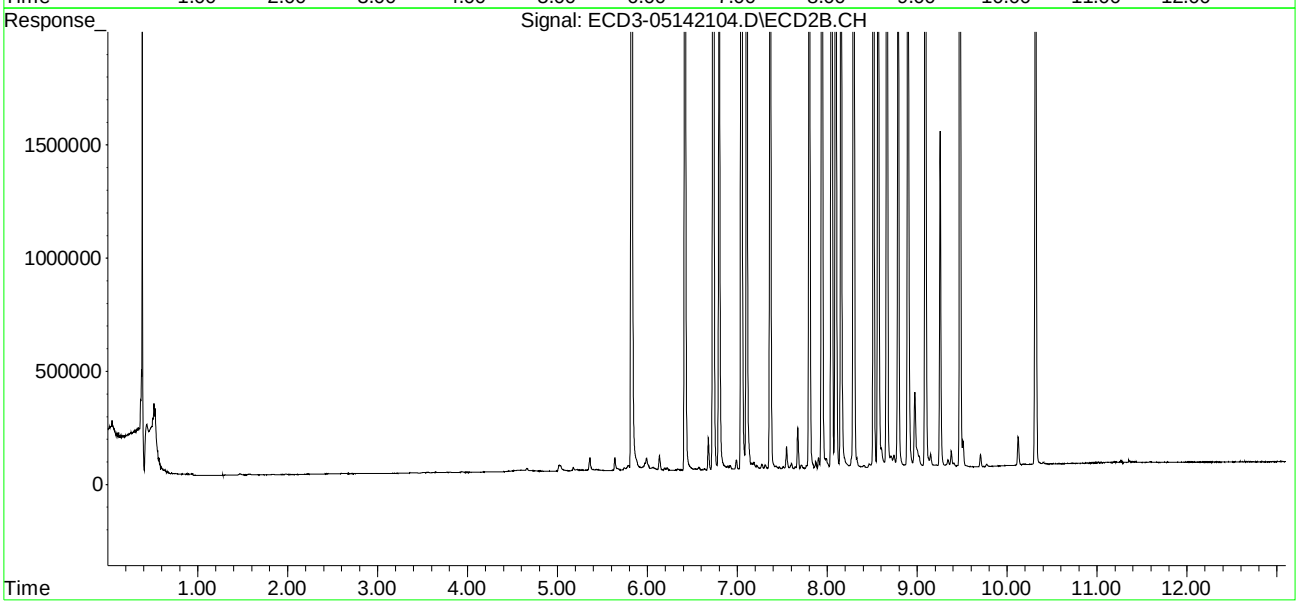
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:36
Operator : MJB
Sample : 1E14010-CCV1
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:56:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:54
Operator : MJB
Sample : 1E14010-CCV2
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:57:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.452f	5.863f	60806	37365	0.351	0.365	
22) S	DCBP (S)	9.652f	0.000	1699	0	0.013	N.D.	#
	Target Compounds							
2)	a-BHC	6.024	0.000	4012	0	0.017	N.D.	#
3)	g-BHC	6.302	6.696f	32467	20965	0.160	0.168	
4)	b-BHC	0.000	6.811	0	8317	N.D.	0.148	#
5)	Heptachlor	6.711	7.108	22803	13304	0.121	0.117	
6)	d-BHC	6.548	7.054	8771	2877	0.048	0.026	#
7)	Aldrin	6.923f	7.374	8542	15949	0.040	0.127	#
8)	Heptachlo...	7.409	7.841f	5609119	96558	30.407	0.882	#
9)	trans-Chl...	7.509	7.931	57802	3431564	0.300	30.339	#
10)	cis-Chlor...	7.594	0.000	8299049	0	46.221	N.D.	#
11)	Endosulfa...	7.690	8.114	95028	53994	0.554	0.539	
12)	4,4'-DDE	7.690f	8.114f	95028	53994	0.500	0.489	
13)	Dieldrin	7.876	8.301	13422	3126130	0.070	28.114	#
14)	Endrin	8.070f	8.522	8910094	2390733	61.399	28.452	#
15)	4,4'-DDD	8.070	8.565	8910094	5357155	61.701	63.377	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.502	8.905	52189	6274	0.122	8826.901	#
19)	Endosulfa...	8.782f	0.000	27586	0	0.206	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.469	0	3083523	N.D.	37.423	#
23)	Hexachlor...	3.284	3.547	8022969	5852553	47.550	48.777	
24)	Hexachlor...	5.865	6.289	7962512	4844707	47.166	48.631	
25)	Oxychlordane	7.341	7.734	7248557	4368130	48.804	49.657	
26)	2,4'-DDE	7.409	7.931	5609119	3431564	47.524	48.131	
27)	trans-Non...	7.594	8.009	8299049	5102640	47.263	49.392	
28)	2,4'-DDD	7.787	8.301	4993989	3126130	49.483	51.509	
29)	2,4'-DDT	7.967	8.522	3913469	2390733	46.607	48.165	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:54
Operator : MJB
Sample : 1E14010-CCV2
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:57:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

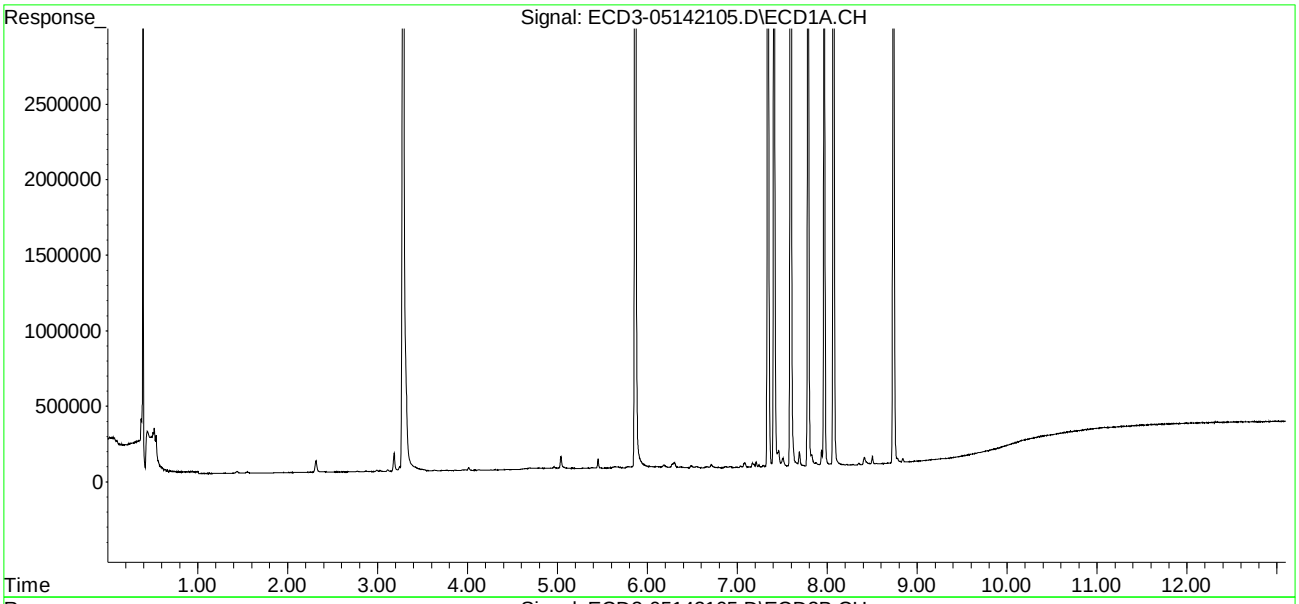
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.070	8.565	8910094	5357155	48.690	50.543	
31)	Mirex	8.736	9.469	5225141	3083523	47.453	49.469	
32)	Chlordane...	7.509	7.931	57802	3431564	2.641	250.275	#
33)	Chlordane...	7.594	0.000	8299049	0	374.615	N.D.	#
34)	Chlordane...	0.000	8.715	0	26745	N.D.	7.996	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.594	8.301f	8299049	3126130	7312.609	2646.222	#
37)	Toxaphene...	7.876	0.000	13422	0	7.595	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.412f	8.715	48219	26745	11.286	1.384	#
40)	Toxaphene...	0.000	8.905	0	6274	N.D.	3.266	#
41)	Toxaphene...	8.736	0.000	5225141	0	1595.514	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

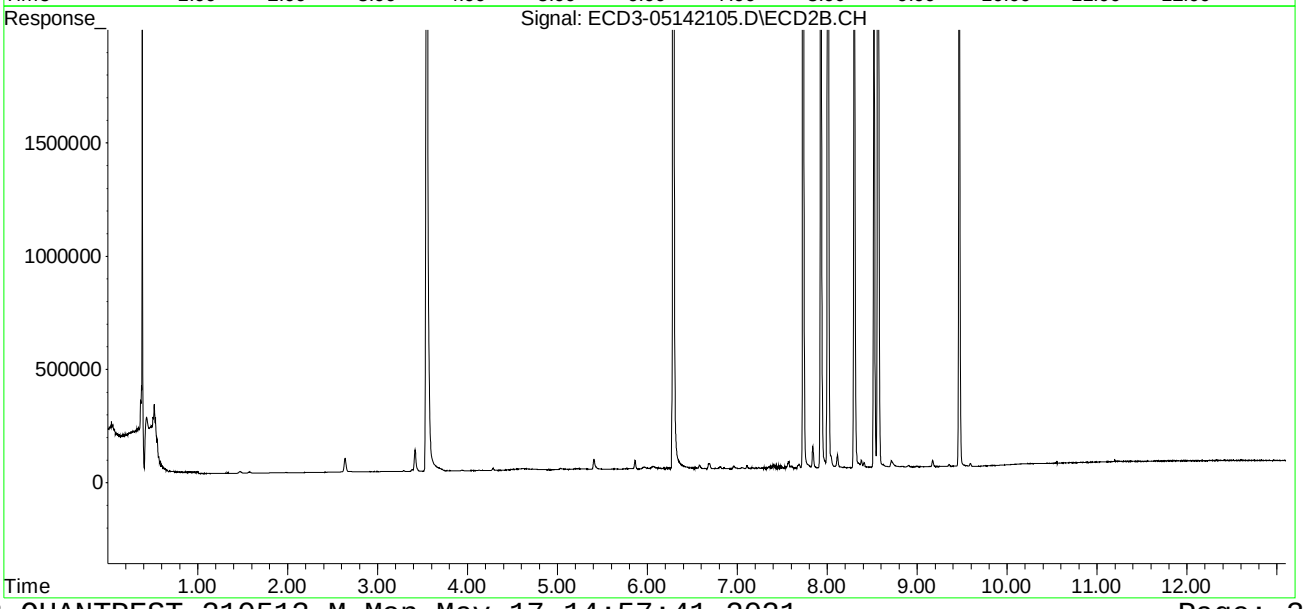
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:54
Operator : MJB
Sample : 1E14010-CCV2
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:57:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:54
Operator : MJB
Sample : 1E14010-CCV2
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:57:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.452f	5.863f	60806	37365	0.351	0.365	
22) S	DCBP (S)	9.652f	0.000	1699	0	0.013	N.D.	#
	Target Compounds							
2)	a-BHC	6.024	0.000	4012	0	0.017	N.D.	#
3)	g-BHC	6.302	6.696f	32467	20965	0.160	0.168	
4)	b-BHC	0.000	6.811	0	8317	N.D.	0.148	#
5)	Heptachlor	6.711	7.108	22803	13304	0.121	0.117	
6)	d-BHC	6.548	7.054	8771	2877	0.048	0.026	#
7)	Aldrin	6.923f	7.374	8542	15949	0.040	0.127	#
8)	Heptachlo...	7.409	7.841f	5609119	96558	30.407	0.882	#
9)	trans-Chl...	7.509	7.931	57802	3431564	0.300	30.339	#
10)	cis-Chlor...	7.594	0.000	8299049	0	46.221	N.D.	#
11)	Endosulfa...	7.690	8.114	95028	53994	0.554	0.539	
12)	4,4'-DDE	7.690f	8.114f	95028	53994	0.500	0.489	
13)	Dieldrin	7.876	8.301	13422	3126130	0.070	28.114	#
14)	Endrin	8.070f	8.522	8910094	2390733	61.399	28.452	#
15)	4,4'-DDD	8.070	8.565	8910094	5357155	61.701	63.377	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.502	8.905	52189	6274	0.122	8826.901	#
19)	Endosulfa...	8.782f	0.000	27586	0	0.206	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.469	0	3083523	N.D.	37.423	#
23)	Hexachlor...	3.284	3.547	8022969	5852553	47.550	48.777	
24)	Hexachlor...	5.865	6.289	7962512	4844707	47.166	48.631	
25)	Oxychlordane	7.341	7.734	7248557	4368130	48.804	49.657	
26)	2,4'-DDE	7.409	7.931	5609119	3431564	47.524	48.131	
27)	trans-Non...	7.594	8.009	8299049	5102640	47.263	49.392	
28)	2,4'-DDD	7.787	8.301	4993989	3126130	49.483	51.509	
29)	2,4'-DDT	7.967	8.522	3913469	2390733	46.607	48.165	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:54
Operator : MJB
Sample : 1E14010-CCV2
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:57:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

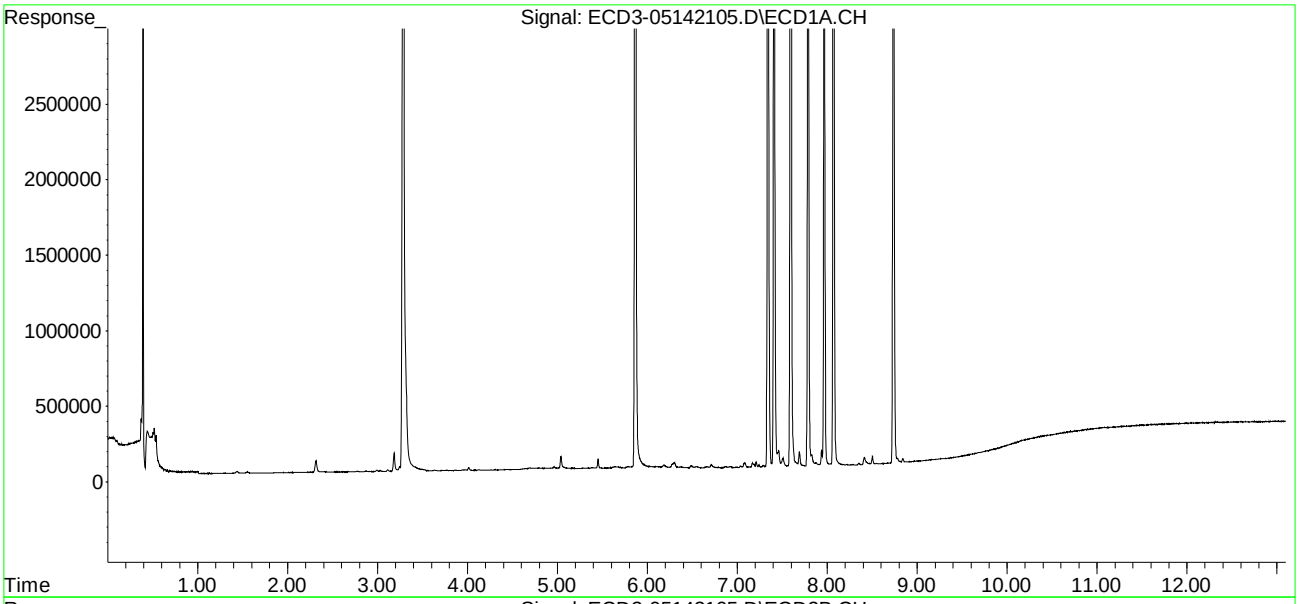
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.070	8.565	8910094	5357155	48.690	50.543	
31)	Mirex	8.736	9.469	5225141	3083523	47.453	49.469	
32)	Chlordane...	7.509	7.931	57802	3431564	2.641	250.275	#
33)	Chlordane...	7.594	0.000	8299049	0	374.615	N.D.	#
34)	Chlordane...	0.000	8.715	0	26745	N.D.	7.996	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.594	8.301f	8299049	3126130	7312.609	2646.222	#
37)	Toxaphene...	7.876	0.000	13422	0	7.595	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.412f	8.715	48219	26745	11.286	1.384	#
40)	Toxaphene...	0.000	8.905	0	6274	N.D.	3.266	#
41)	Toxaphene...	8.736	0.000	5225141	0	1595.514	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

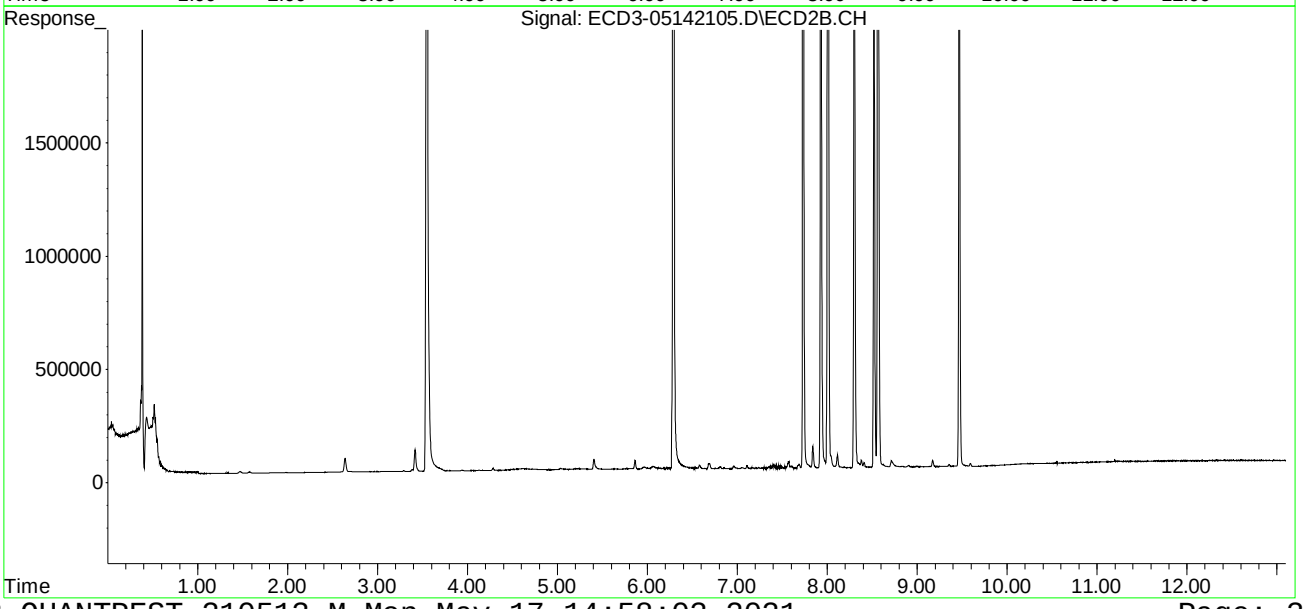
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 13:54
Operator : MJB
Sample : 1E14010-CCV2
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:57:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 14:11
Operator : MJB
Sample : 1E14010-CCB1
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:58:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.826	16794767	9892933	96.869	96.648	
22) S	DCBP (S)	9.677	10.316	12069696	6403363	92.372	99.092	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.406f	0	5422	N.D.	0.043	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.503	7.972f	10068	9580	0.052	0.085	#
10)	cis-Chlor...	7.628f	0.000	10903	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.632f	0.000	10294	0	0.054	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	8.218	0.000	3708	0	0.026	N.D.	#
17)	4,4'-DDT	0.000	8.774	0	2788	N.D.	0.044	#
18)	Endrin Al...	8.516	0.000	6999	0	5773.525	N.D.	#
19)	Endosulfa...	0.000	9.074	0	3085	N.D.	0.043	#
20)	Methoxychlor	8.623	0.000	8614	0	0.152	N.D.	#
21)	Endrin Ke...	8.988	9.489	6839	3806	0.046	0.046	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.865	0.000	26606	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	7.628f	7.977f	10903	9268	BelowCal	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 14:11
Operator : MJB
Sample : 1E14010-CCB1
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:58:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

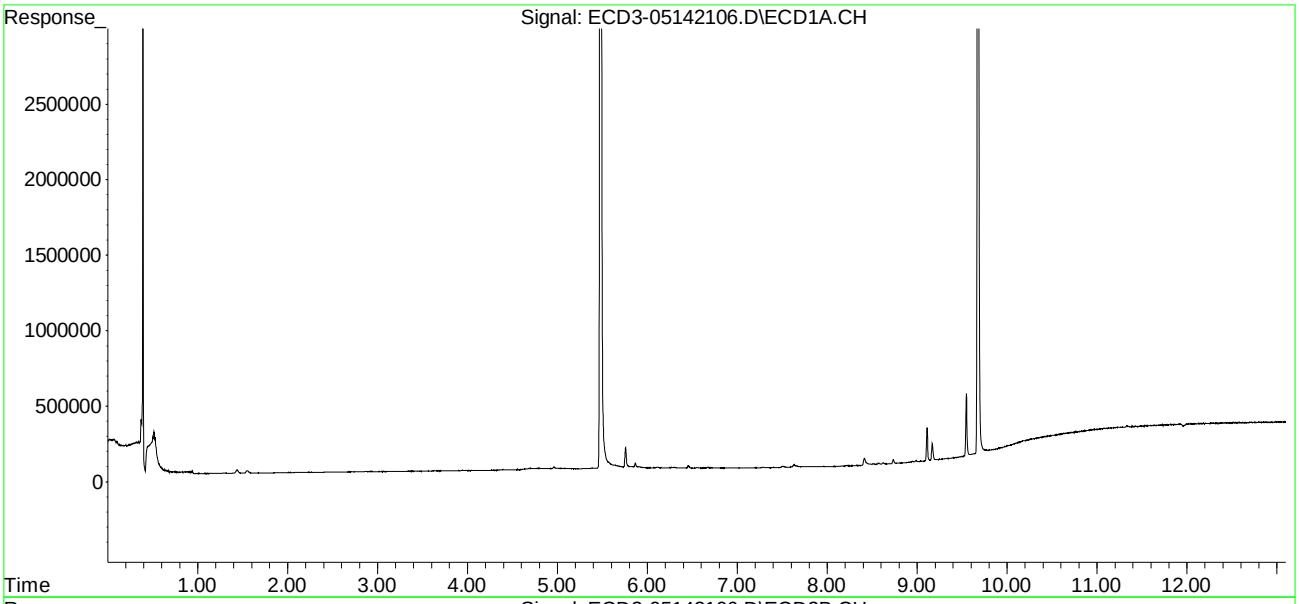
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.733	9.489	25091	3806	BelowCal	BelowCal	
32)	Chlordane...	7.503	7.972f	10068	9580	0.460	0.699	#
33)	Chlordane...	7.628f	0.000	10903	0	0.492	N.D.	#
34)	Chlordane...	0.000	8.716	0	26471	N.D.	7.915	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.628f	0.000	10903	0	15.503	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.218	0.000	3708	0	2.410	N.D.	#
39)	Toxaphene...	8.411f	8.716	45934	26471	10.562	1.290	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.733	0.000	25091	0	11.335	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

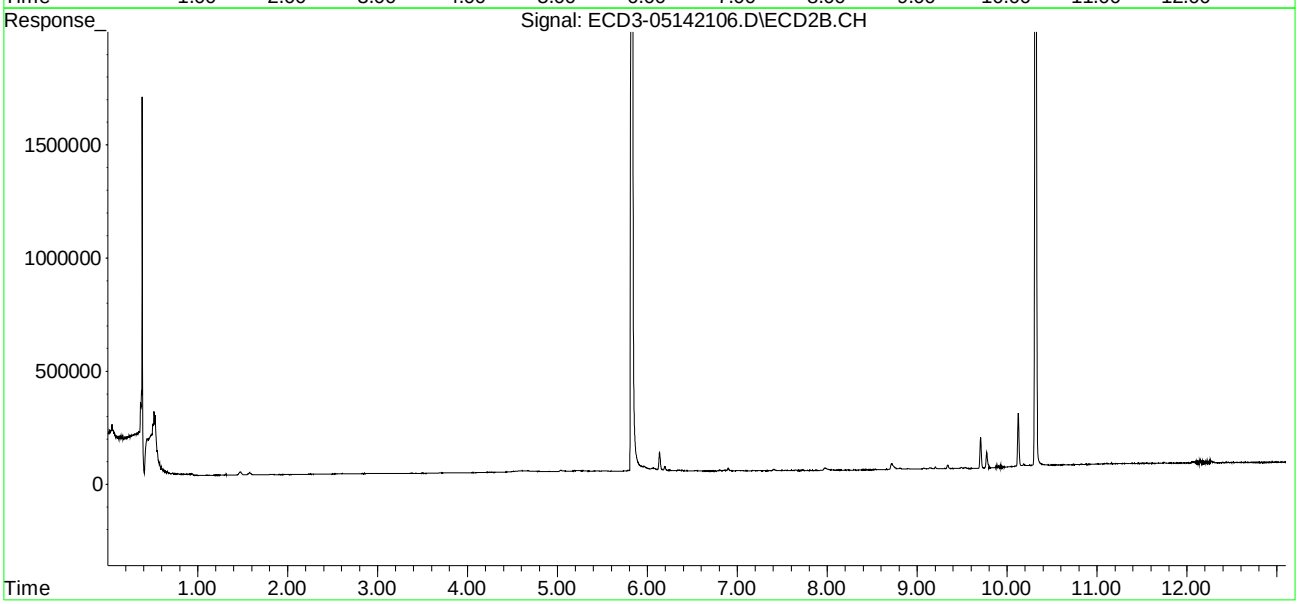
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 14:11
Operator : MJB
Sample : 1E14010-CCB1
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:58:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 14:11
Operator : MJB
Sample : 1E14010-CCB1 MJB 5/17/21
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:58:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.826	16794767	9892933	96.869	96.648	
22) S	DCBP (S)	9.677	10.316	12069696	6403363	92.372	99.092	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.406f	0	5422	N.D.	0.043	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.503	7.972f	10068	9580	0.052	0.085	#
10)	cis-Chlor...	7.628f	0.000	10903	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.632f	0.000	10294	0	0.054	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	8.218	0.000	3708	0	0.026	N.D.	#
17)	4,4'-DDT	0.000	8.774	0	2788	N.D.	0.044	#
18)	Endrin Al...	8.516	0.000	6999	0	5773.525	N.D.	#
19)	Endosulfa...	0.000	9.074	0	3085	N.D.	0.043	#
20)	Methoxychlor	8.623	0.000	8614	0	0.152	N.D.	#
21)	Endrin Ke...	8.988	9.489	6839	3806	0.046	0.046	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.865	0.000	26606	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	7.628f	7.977f	10903	9268	BelowCal	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 14:11
Operator : MJB
Sample : 1E14010-CCB1
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:58:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

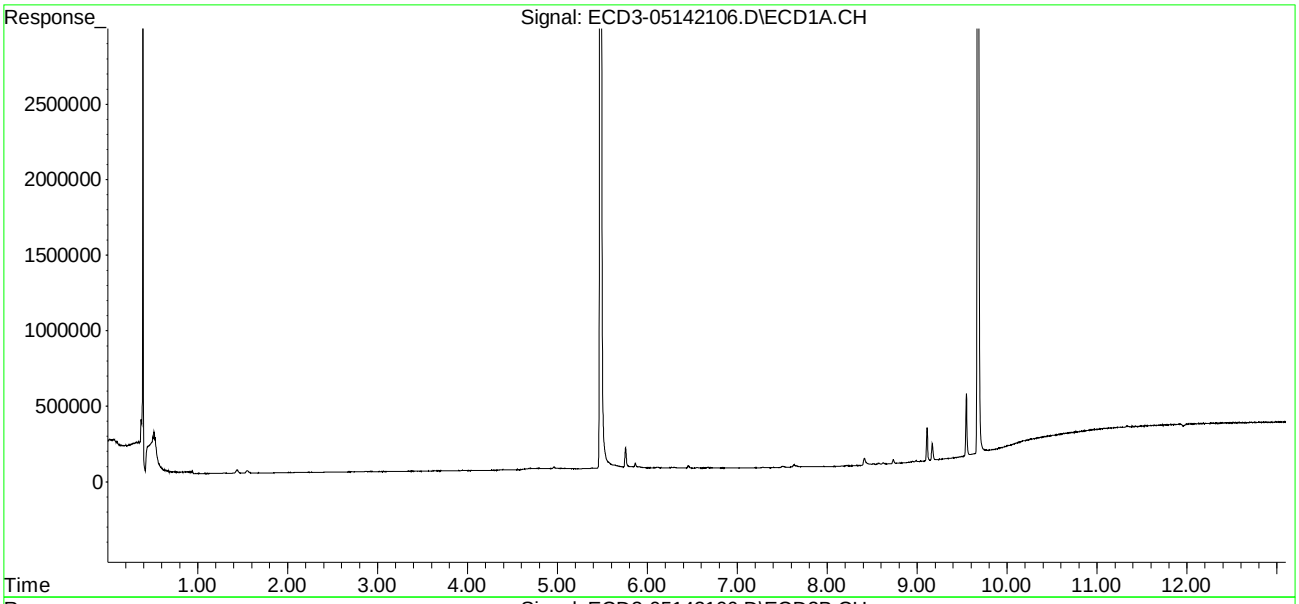
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.733	9.489	25091	3806	BelowCal	BelowCal	
32)	Chlordane...	7.503	7.972f	10068	9580	0.460	0.699	#
33)	Chlordane...	7.628f	0.000	10903	0	0.492	N.D.	#
34)	Chlordane...	0.000	8.716	0	26471	N.D.	7.915	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.628f	0.000	10903	0	15.503	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.218	0.000	3708	0	2.410	N.D.	#
39)	Toxaphene...	8.411f	8.716	45934	26471	10.562	1.290	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.733	0.000	25091	0	11.335	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

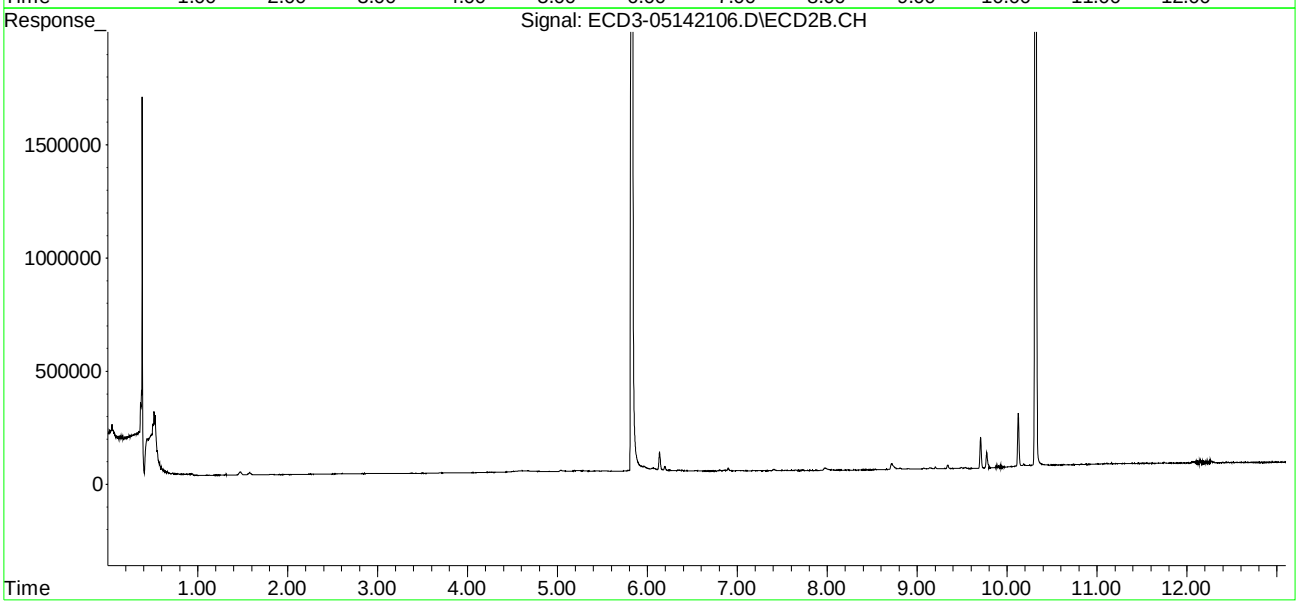
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 14:11
Operator : MJB
Sample : 1E14010-CCB1
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 14:58:34 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:30
Operator : MJB
Sample : 1050384-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:31:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.480	5.825	10390936	6492438	59.933	63.427	
22)	S DCBP (S)	9.676	10.314	10046058	5252311	76.884	80.971	
	Target Compounds							
2)	a-BHC	6.015	0.000	3836	0	0.016	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.429f	6.789	8825	3278	0.097	0.058	#
5)	Heptachlor	6.713	7.118	3768	2276	0.020	0.020	
6)	d-BHC	0.000	7.013f	0	7248	N.D.	0.065	#
7)	Aldrin	0.000	7.398f	0	5387	N.D.	0.043	#
8)	Heptachlo...	0.000	7.773f	0	79660	N.D.	0.728	#
9)	trans-Chl...	7.511	7.955	27849	19464	0.145	0.172	
10)	cis-Chlor...	7.617	0.000	31084	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.654	0.000	36157	0	0.190	N.D.	#
13)	Dieldrin	0.000	8.298	0	4079	N.D.	0.037	#
14)	Endrin	0.000	8.517	0	1678	N.D.	0.020	#
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	8.672	0	2792	N.D.	0.032	#
17)	4,4'-DDT	0.000	8.794	0	2428	N.D.	0.038	#
18)	Endrin Al...	8.513	8.873f	6535	9175	5773.529	8826.860	#
19)	Endosulfa...	8.805	9.067f	5377	5407	0.040	0.075	#
20)	Methoxychlor	0.000	9.255	0	4315	N.D.	0.123	#
21)	Endrin Ke...	8.982f	9.491	3698	32828	0.025	0.398	#
23)	Hexachlor...	3.283	3.511f	21093	185209	2279.168	1.271	#
24)	Hexachlor...	5.864	6.287	31006	3509	BelowCal	BelowCal	
25)	Oxychlordane	7.313f	7.773f	3591	79660	BelowCal	0.503	
26)	2,4'-DDE	0.000	7.955f	0	19464	N.D.	BelowCal	
27)	trans-Non...	7.617f	8.002	31084	5176	BelowCal	BelowCal	
28)	2,4'-DDD	7.765f	8.298	3744	4079	BelowCal	BelowCal	
29)	2,4'-DDT	7.980	8.517	2683	1678	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:30
Operator : MJB
Sample : 1050384-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:31:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

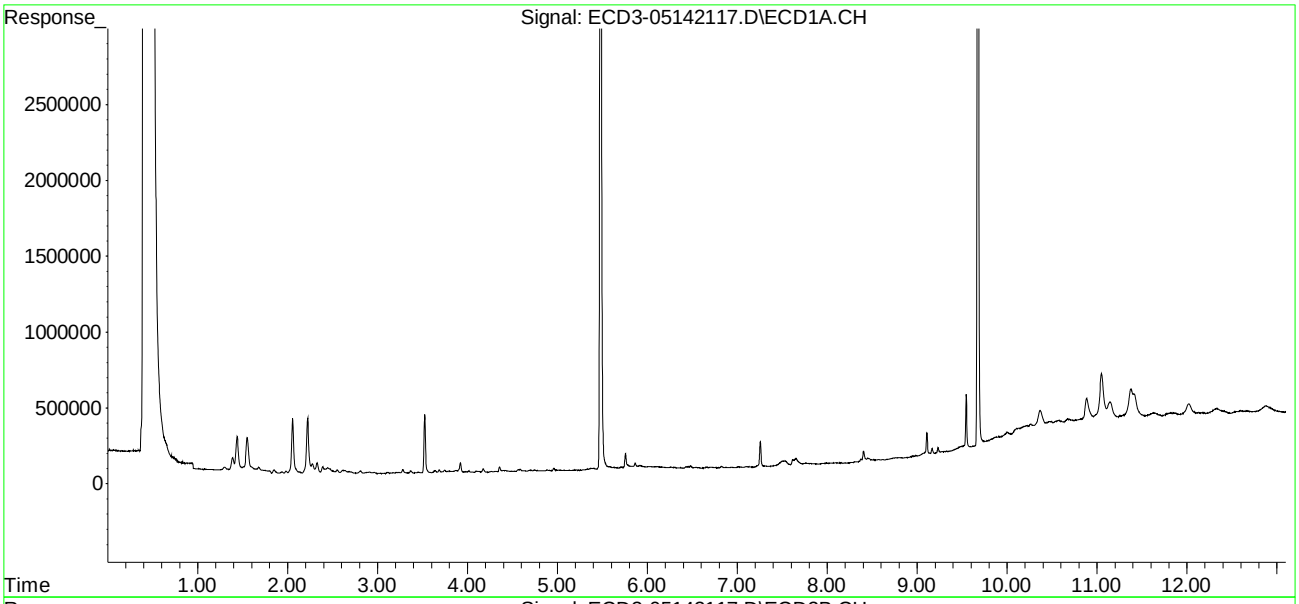
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.733	9.458	8641	18264	BelowCal	BelowCal	
32)	Chlordane...	7.511	7.955	27849	19464	1.272	1.420	
33)	Chlordane...	7.617	0.000	31084	0	1.403	N.D.	#
34)	Chlordane...	0.000	8.704	0	37770	N.D.	11.293	#
35)	Chlordane...	3.788	3.796	3847	4801	NoCal	NoCal	
36)	Toxaphene...	7.617f	8.298f	31084	4079	38.851	3.453	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	8.672	0	2792	N.D.	3.097	#
39)	Toxaphene...	8.453	8.704	22280	37770	3.058	5.185	#
40)	Toxaphene...	0.000	8.873f	0	9175	N.D.	4.776	#
41)	Toxaphene...	8.733	9.255	8641	4315	5.315	3.522	
42)	Toxaphene...	3.788f	3.796	3847	4801	NoCal	NoCal	

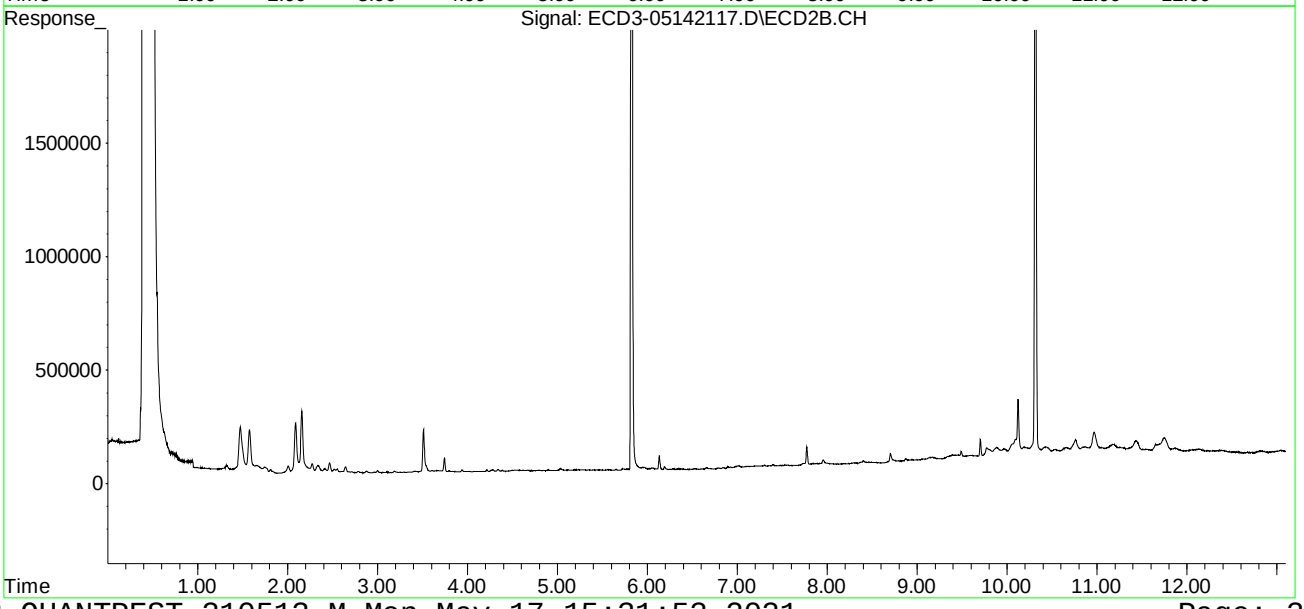
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:30
Operator : MJB
Sample : 1050384-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:31:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:30
Operator : MJB
Sample : 1050384-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:31:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.480	5.825	10390936	6492438	59.933	63.427	
22)	S DCBP (S)	9.676	10.314	10046058	5252311	76.884	80.971	
	Target Compounds							
2)	a-BHC	6.015	0.000	3836	0	0.016	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.429f	6.789	8825	3278	0.097	0.058	#
5)	Heptachlor	6.713	7.118	3768	2276	0.020	0.020	
6)	d-BHC	0.000	7.013f	0	7248	N.D.	0.065	#
7)	Aldrin	0.000	7.398f	0	5387	N.D.	0.043	#
8)	Heptachlo...	0.000	7.773f	0	79660	N.D.	0.728	#
9)	trans-Chl...	7.511	7.955	27849	19464	0.145	0.172	
10)	cis-Chlor...	7.617	0.000	31084	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.654	0.000	36157	0	0.190	N.D.	#
13)	Dieldrin	0.000	8.298	0	4079	N.D.	0.037	#
14)	Endrin	0.000	8.517	0	1678	N.D.	0.020	#
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	8.672	0	2792	N.D.	0.032	#
17)	4,4'-DDT	0.000	8.794	0	2428	N.D.	0.038	#
18)	Endrin Al...	8.513	8.873f	6535	9175	5773.529	8826.860	#
19)	Endosulfa...	8.805	9.067f	5377	5407	0.040	0.075	#
20)	Methoxychlor	0.000	9.255	0	4315	N.D.	0.123	#
21)	Endrin Ke...	8.982f	9.491	3698	32828	0.025	0.398	#
23)	Hexachlor...	3.283	3.511f	21093	185209	2279.168	1.271	#
24)	Hexachlor...	5.864	6.287	31006	3509	BelowCal	BelowCal	
25)	Oxychlordane	7.313f	7.773f	3591	79660	BelowCal	0.503	
26)	2,4'-DDE	0.000	7.955f	0	19464	N.D.	BelowCal	
27)	trans-Non...	7.617f	8.002	31084	5176	BelowCal	BelowCal	
28)	2,4'-DDD	7.765f	8.298	3744	4079	BelowCal	BelowCal	
29)	2,4'-DDT	7.980	8.517	2683	1678	BelowCal	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:30
Operator : MJB
Sample : 1050384-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:31:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

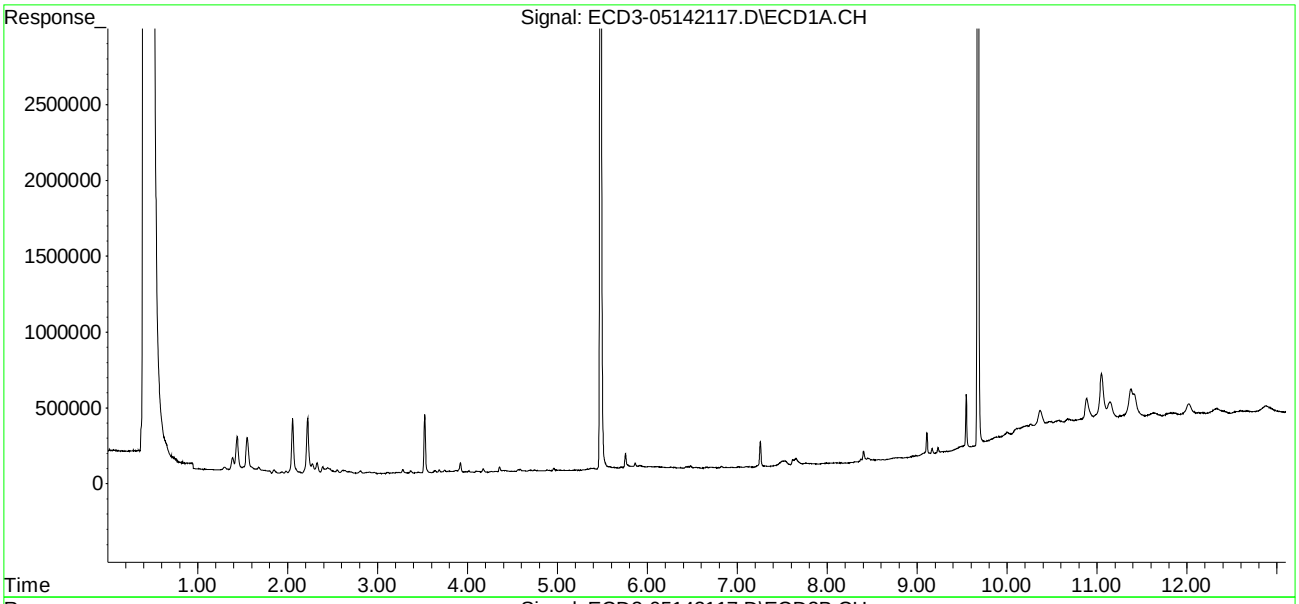
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.733	9.458	8641	18264	BelowCal	BelowCal	
32)	Chlordane...	7.511	7.955	27849	19464	1.272	1.420	
33)	Chlordane...	7.617	0.000	31084	0	1.403	N.D.	#
34)	Chlordane...	0.000	8.704	0	37770	N.D.	11.293	#
35)	Chlordane...	3.788	3.796	3847	4801	NoCal	NoCal	
36)	Toxaphene...	7.617f	8.298f	31084	4079	38.851	3.453	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	8.672	0	2792	N.D.	3.097	#
39)	Toxaphene...	8.453	8.704	22280	37770	3.058	5.185	#
40)	Toxaphene...	0.000	8.873f	0	9175	N.D.	4.776	#
41)	Toxaphene...	8.733	9.255	8641	4315	5.315	3.522	
42)	Toxaphene...	3.788f	3.796	3847	4801	NoCal	NoCal	

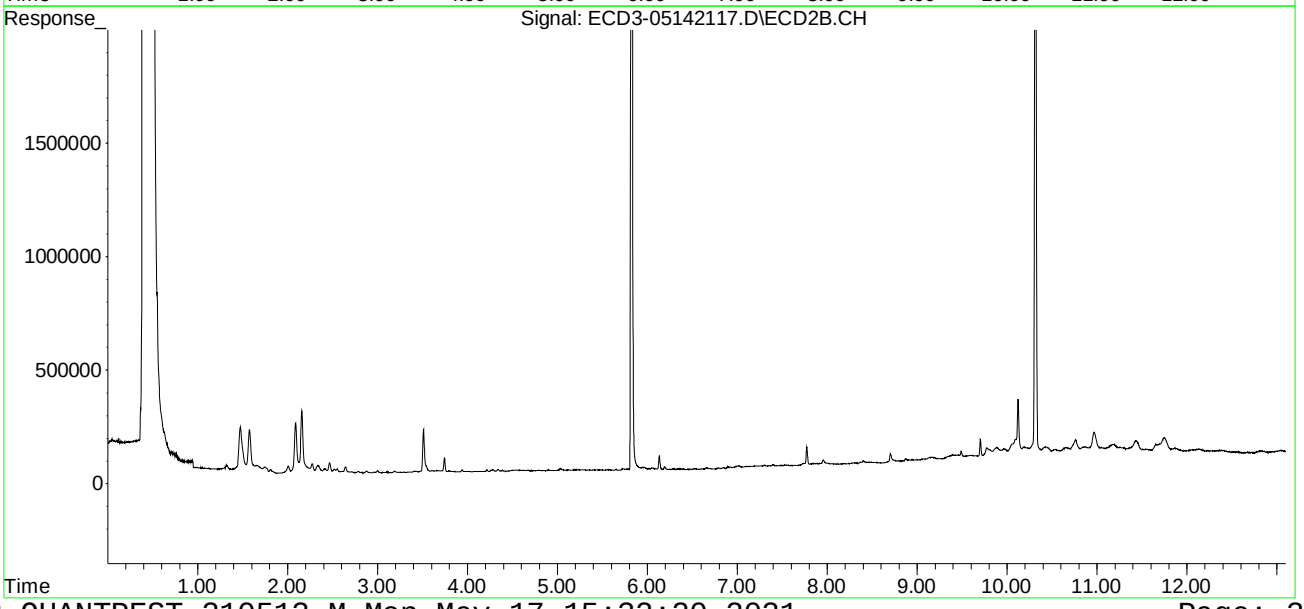
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:30
Operator : MJB
Sample : 1050384-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:31:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:47
Operator : MJB
Sample : 1050384-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:32:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	13439609	8346423	77.517	81.539	
22) S	DCBP (S)	9.675	10.314	11048120	5958502	84.553	92.074	
	Target Compounds							
2)	a-BHC	6.018	6.447f	18085	8142	0.077	0.056	
3)	g-BHC	6.293	0.000	11260	0	0.055	N.D.	#
4)	b-BHC	6.365f	6.790	9059	8022	0.100	0.143	#
5)	Heptachlor	6.716	7.104	17380	3942	0.092	0.035	#
6)	d-BHC	6.540	7.012f	10408	8257	0.056	0.074	
7)	Aldrin	0.000	7.394f	0	42965	N.D.	0.342	#
8)	Heptachlo...	7.407	7.772f	5239162	117969	28.402	1.078	#
9)	trans-Chl...	7.492	7.928	62394	3280273	0.324	29.002	#
10)	cis-Chlor...	7.613	0.000	33847	0	BelowCal	N.D.	
11)	Endosulfa...	7.722	0.000	25171	0	0.147	N.D.	#
12)	4,4'-DDE	7.659	8.152	8678618	5256887	45.642	47.641	
13)	Dieldrin	7.855f	8.299	17359	3242836	0.091	29.164	#
14)	Endrin	8.085f	8.520	7762160	3389731	53.489	40.341	
15)	4,4'-DDD	8.085	8.564	7762160	4760471	53.752	56.318	
16)	Endosulfa...	8.171f	8.668	16183	15528	0.111	0.176	#
17)	4,4'-DDT	8.281	8.788	7090976	4253056	62.582	66.770	
18)	Endrin Al...	8.510	8.869f	8078	16238	5773.516	8826.760	#
19)	Endosulfa...	8.784f	9.067f	5814	1953	0.043	0.027	
20)	Methoxychlor	8.611	9.253	15160	5873	0.267	0.167	
21)	Endrin Ke...	8.980f	9.488	3064	53611	0.021	0.651	#
23)	Hexachlor...	3.283	3.510f	24360	213860	2279.149	1.500	#
24)	Hexachlor...	5.864	6.287	65118	19037	0.194	0.004	#
25)	Oxychlordane	7.308f	7.740	7100	9730	BelowCal	BelowCal	
26)	2,4'-DDE	7.407	7.928	5239162	3280273	44.390	46.009	
27)	trans-Non...	7.613	0.000	33847	0	BelowCal	N.D.	
28)	2,4'-DDD	7.784	8.299	5265434	3242836	52.128	53.401	
29)	2,4'-DDT	7.964	8.520	5501154	3389731	64.551	67.223	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:47
Operator : MJB
Sample : 1050384-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:32:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

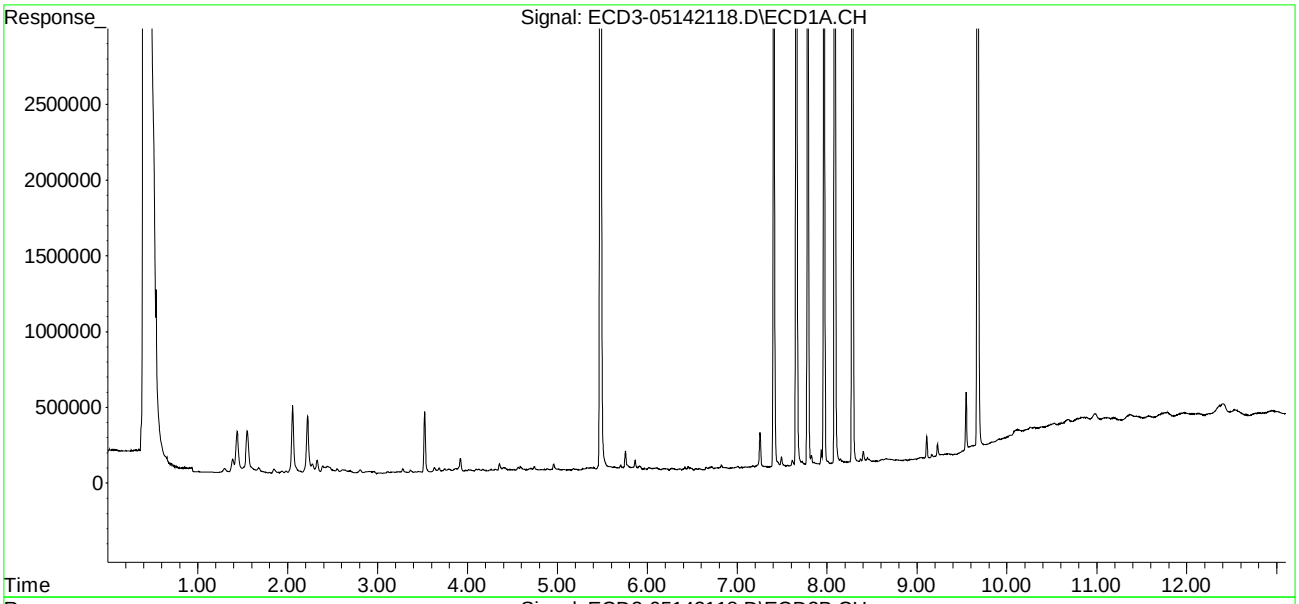
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.564	7762160	4760471	42.474	44.896	
31)	Mirex	0.000	9.488	0	53611	N.D.	0.281	#
32)	Chlordane...	7.492	7.928	62394	3280273	2.851	239.241	#
33)	Chlordane...	7.613	0.000	33847	0	1.528	N.D.	#
34)	Chlordane...	8.171	8.701	16183	44353	2.840	13.261	#
35)	Chlordane...	3.789	3.794	16877	6543	NoCal	NoCal	
36)	Toxaphene...	7.613f	8.299f	33847	3242836	42.044	2745.011	#
37)	Toxaphene...	7.855f	0.000	17359	0	9.823	N.D.	#
38)	Toxaphene...	8.171f	8.668	16183	15528	6.341	10.131	#
39)	Toxaphene...	8.448	8.701	30636	44353	5.710	7.453	
40)	Toxaphene...	8.653	8.869f	17913	16238	10.737	8.453	
41)	Toxaphene...	0.000	9.273	0	4902	N.D.	3.871	#
42)	Toxaphene...	3.789	3.794	16877	6543	NoCal	NoCal	

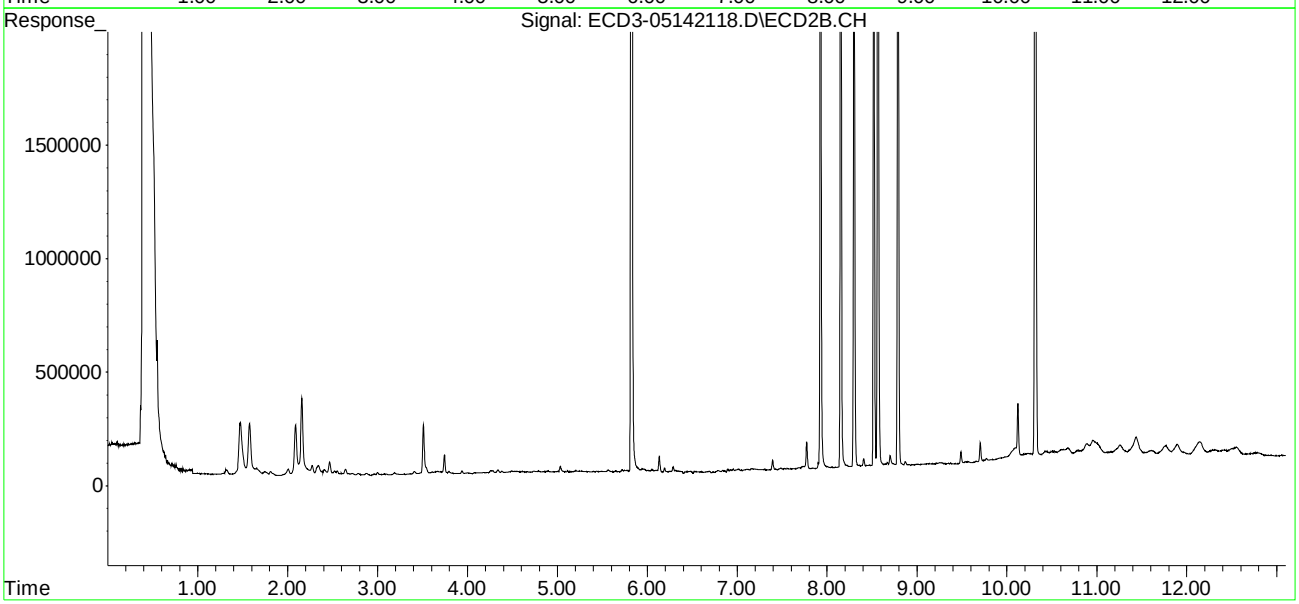
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:47
Operator : MJB
Sample : 1050384-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:32:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:47
Operator : MJB
Sample : 1050384-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:32:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	13439609	8346423	77.517	81.539	
22) S	DCBP (S)	9.675	10.314	11048120	5958502	84.553	92.074	
	Target Compounds							
2)	a-BHC	6.018	6.447f	18085	8142	0.077	0.056	
3)	g-BHC	6.293	0.000	11260	0	0.055	N.D.	#
4)	b-BHC	6.365f	6.790	9059	8022	0.100	0.143	#
5)	Heptachlor	6.716	7.104	17380	3942	0.092	0.035	#
6)	d-BHC	6.540	7.012f	10408	8257	0.056	0.074	
7)	Aldrin	0.000	7.394f	0	42965	N.D.	0.342	#
8)	Heptachlo...	7.407	7.772f	5239162	117969	28.402	1.078	#
9)	trans-Chl...	7.492	7.928	62394	3280273	0.324	29.002	#
10)	cis-Chlor...	7.613	0.000	33847	0	BelowCal	N.D.	
11)	Endosulfa...	7.722	0.000	25171	0	0.147	N.D.	#
12)	4,4'-DDE	7.659	8.152	8678618	5256887	45.642	47.641	
13)	Dieldrin	7.855f	8.299	17359	3242836	0.091	29.164	#
14)	Endrin	8.085f	8.520	7762160	3389731	53.489	40.341	
15)	4,4'-DDD	8.085	8.564	7762160	4760471	53.752	56.318	
16)	Endosulfa...	8.171f	8.668	16183	15528	0.111	0.176	#
17)	4,4'-DDT	8.281	8.788	7090976	4253056	62.582	66.770	
18)	Endrin Al...	8.510	8.869f	8078	16238	5773.516	8826.760	#
19)	Endosulfa...	8.784f	9.067f	5814	1953	0.043	0.027	
20)	Methoxychlor	8.611	9.253	15160	5873	0.267	0.167	
21)	Endrin Ke...	8.980f	9.488	3064	53611	0.021	0.651	#
23)	Hexachlor...	3.283	3.510f	24360	213860	2279.149	1.500	#
24)	Hexachlor...	5.864	6.287	65118	19037	0.194	0.004	#
25)	Oxychlordane	7.308f	7.740	7100	9730	BelowCal	BelowCal	
26)	2,4'-DDE	7.407	7.928	5239162	3280273	44.390	46.009	
27)	trans-Non...	7.613	0.000	33847	0	BelowCal	N.D.	
28)	2,4'-DDD	7.784	8.299	5265434	3242836	52.128	53.401	
29)	2,4'-DDT	7.964	8.520	5501154	3389731	64.551	67.223	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:47
Operator : MJB
Sample : 1050384-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:32:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

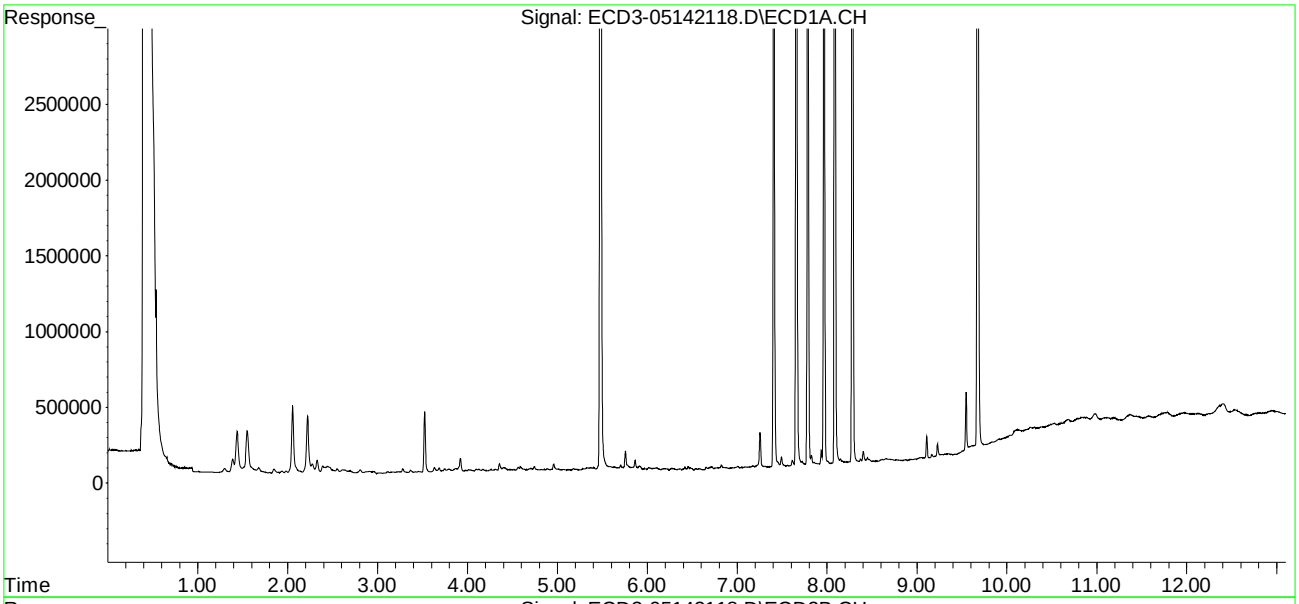
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.564	7762160	4760471	42.474	44.896	
31)	Mirex	0.000	9.488	0	53611	N.D.	0.281	#
32)	Chlordane...	7.492	7.928	62394	3280273	2.851	239.241	#
33)	Chlordane...	7.613	0.000	33847	0	1.528	N.D.	#
34)	Chlordane...	8.171	8.701	16183	44353	2.840	13.261	#
35)	Chlordane...	3.789	3.794	16877	6543	NoCal	NoCal	
36)	Toxaphene...	7.613f	8.299f	33847	3242836	42.044	2745.011	#
37)	Toxaphene...	7.855f	0.000	17359	0	9.823	N.D.	#
38)	Toxaphene...	8.171f	8.668	16183	15528	6.341	10.131	#
39)	Toxaphene...	8.448	8.701	30636	44353	5.710	7.453	
40)	Toxaphene...	8.653	8.869f	17913	16238	10.737	8.453	
41)	Toxaphene...	0.000	9.273	0	4902	N.D.	3.871	#
42)	Toxaphene...	3.789	3.794	16877	6543	NoCal	NoCal	

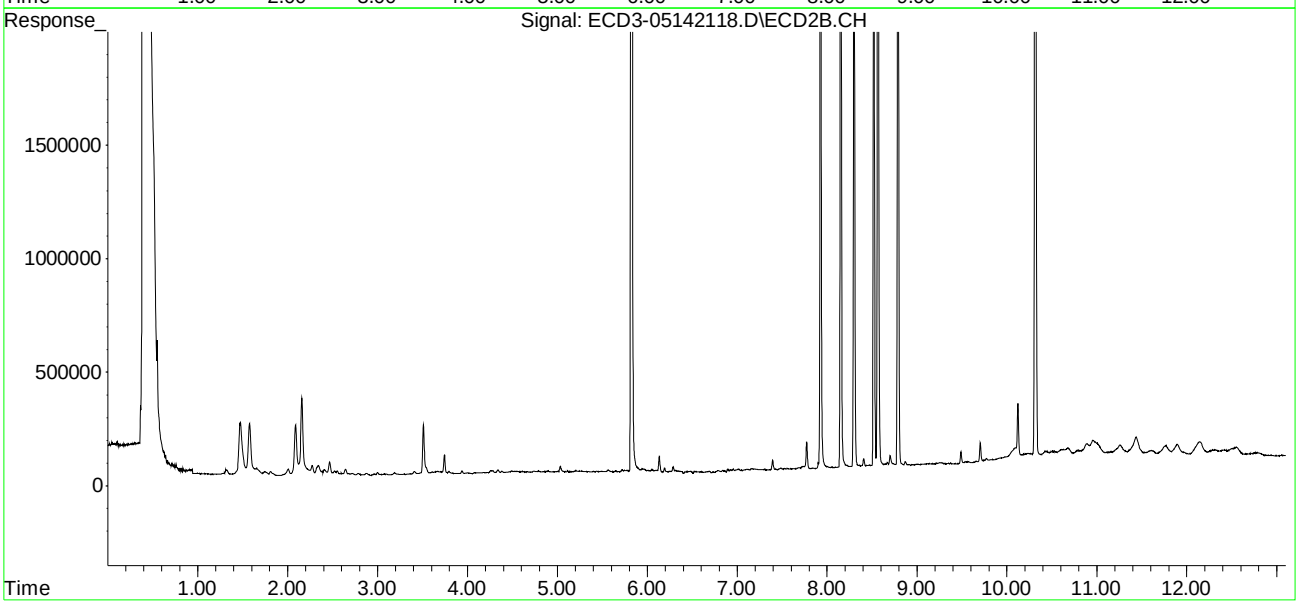
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 17:47
Operator : MJB
Sample : 1050384-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:32:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:04
Operator : MJB
Sample : 1E14010-CCV3
Misc : A21B424, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:36:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.826	17574569	10436866	101.366	101.962	
22) S	DCBP (S)	9.676	10.315	12803936	6817732	97.991	105.646	
	Target Compounds							
2)	a-BHC	6.028	6.418	25783627	15693353	109.236	108.697	
3)	g-BHC	6.313	6.732	22338283	13524069	109.820	108.677	
4)	b-BHC	6.392	6.799	9111150	5792915	100.587	103.189	
5)	Heptachlor	6.709	7.105	20756761	12887071	109.737	113.614	
6)	d-BHC	6.542	7.046	21127913	12817972	114.428	115.615	
7)	Aldrin	6.950	7.367	21180203	12714553	99.806	101.213	
8)	Heptachlo...	7.417	7.801	17855444	11339164	96.796	103.587	
9)	trans-Chl...	7.509	7.941	19754433	11559661	102.521	102.202	
10)	cis-Chlor...	7.606	8.048	18886198	11177481	103.657	101.680	
11)	Endosulfa...	7.708	8.095	17461712	10691192	101.819	106.660	
12)	4,4'-DDE	7.660	8.153	19546770	11747625	102.798	106.463	
13)	Dieldrin	7.882	8.294	20032962	12191911	104.639	109.645	
14)	Endrin	8.049	8.515	15947285	9678588	109.892	115.184	
15)	4,4'-DDD	8.087	8.566	17389329	10137639	120.419	119.932	
16)	Endosulfa...	8.209	8.662	15385950	9576483	105.817	108.851	
17)	4,4'-DDT	8.282	8.790	13230439	8064130	116.766	126.601	
18)	Endrin Al...	8.503	8.897	12936196	7759690	113.482	110.787	
19)	Endosulfa...	8.807	9.090	14835076	8694586	110.897	120.521	
20)	Methoxychlor	8.614	9.255	6450534	4104086	113.517	116.844	
21)	Endrin Ke...	9.006	9.476	17257063	10194201	115.809	123.721	
23)	Hexachlor...	0.000	3.563	0	3292	N.D.	1092.570	#
24)	Hexachlor...	5.865	0.000	35919	0	0.018	N.D.	#
25)	Oxychlordane	7.350	7.715f	84697	17962	0.172	BelowCal	#
26)	2,4'-DDE	7.417	7.941	17855444	11559661	149.651	160.076	
27)	trans-Non...	7.606	8.006	18886198	37320	105.955	BelowCal	#
28)	2,4'-DDD	7.799	8.294	39189	12191911	0.031	190.010	#
29)	2,4'-DDT	7.966	8.515	52971	9678588	0.215	174.814	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:04
Operator : MJB
Sample : 1E14010-CCV3
Misc : A21B424, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:36:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

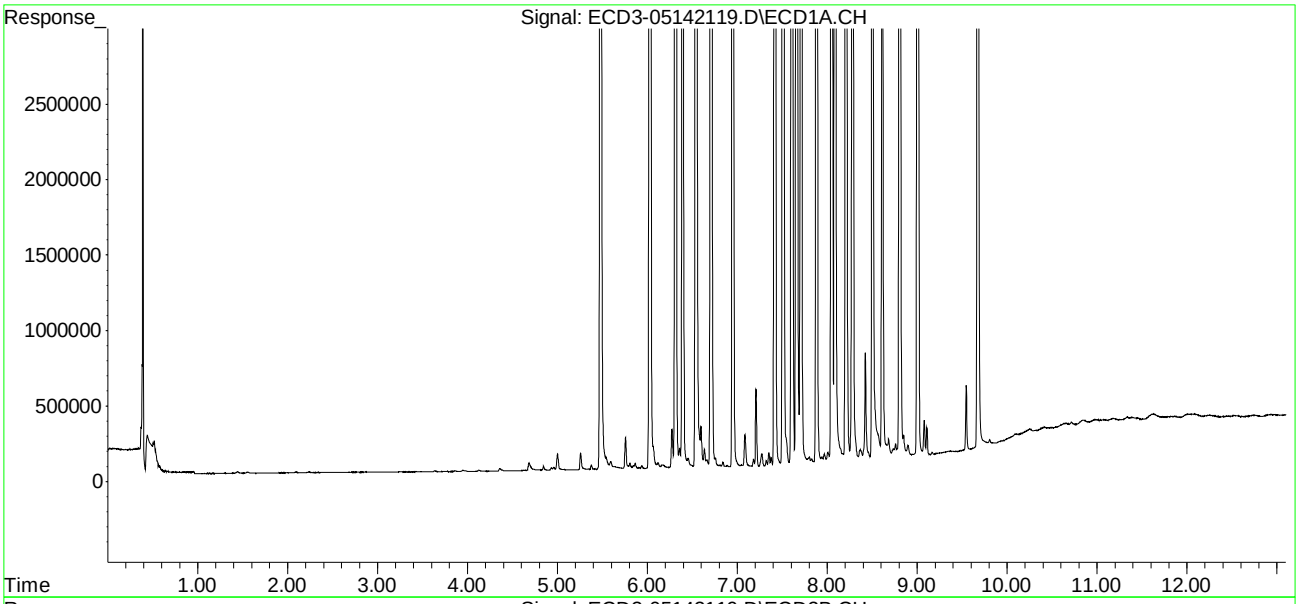
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.566	17389329	10137639	93.724	95.555	
31)	Mirex	8.735	9.476	57575	10194201	BelowCal	164.641	
32)	Chlordane...	7.509	7.941	19754433	11559661	902.522	843.083	
33)	Chlordane...	7.606	8.048	18886198	11177481	852.513	946.905	
34)	Chlordane...	0.000	8.706	0	69962	N.D.	20.918	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.606	8.294f	18886198	12191911	13737.300	10320.266	
37)	Toxaphene...	7.882	0.000	20032962	0	11336.771	N.D.	#
38)	Toxaphene...	8.209	8.662	15385950	9576483	3656.453	4092.981	
39)	Toxaphene...	8.424	8.706	703235	69962	214.084	16.267	#
40)	Toxaphene...	8.683	8.897	123444	7759690	56.799	4039.340	#
41)	Toxaphene...	8.735	9.255	57575	4104086	23.195	1950.993	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

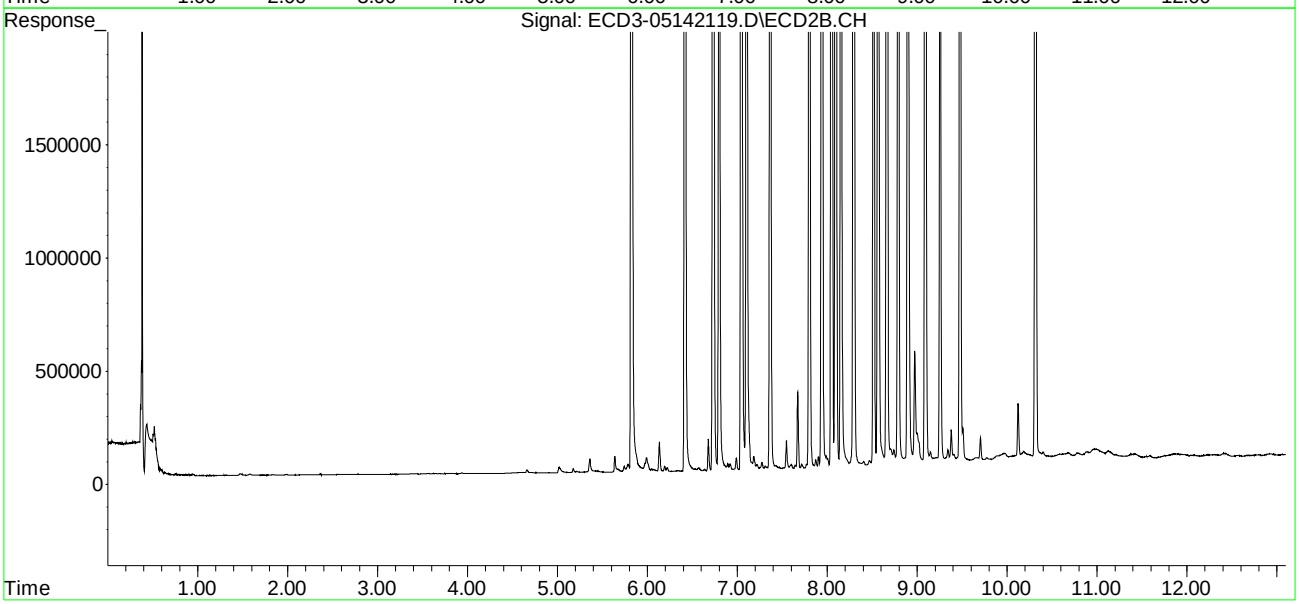
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:04
Operator : MJB
Sample : 1E14010-CCV3
Misc : A21B424, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:36:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:04
Operator : MJB
Sample : 1E14010-CCV3 MJB 5/17/21
Misc : A21B424, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:36:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.481	5.826	17574569	10436866	101.366	101.962	
22) S	DCBP (S)	9.676	10.315	12803936	6817732	97.991	105.646	
	Target Compounds							
2)	a-BHC	6.028	6.418	25783627	15693353	109.236	108.697	
3)	g-BHC	6.313	6.732	22338283	13524069	109.820	108.677	
4)	b-BHC	6.392	6.799	9111150	5792915	100.587	103.189	
5)	Heptachlor	6.709	7.105	20756761	12887071	109.737	113.614	
6)	d-BHC	6.542	7.046	21127913	12817972	114.428	115.615	
7)	Aldrin	6.950	7.367	21180203	12714553	99.806	101.213	
8)	Heptachlo...	7.417	7.801	17855444	11339164	96.796	103.587	
9)	trans-Chl...	7.509	7.941	19754433	11559661	102.521	102.202	
10)	cis-Chlor...	7.606	8.048	18886198	11177481	103.657	101.680	
11)	Endosulfa...	7.708	8.095	17461712	10691192	101.819	106.660	
12)	4,4'-DDE	7.660	8.153	19546770	11747625	102.798	106.463	
13)	Dieldrin	7.882	8.294	20032962	12191911	104.639	109.645	
14)	Endrin	8.049	8.515	15947285	9678588	109.892	115.184	
15)	4,4'-DDD	8.087	8.566	17389329	10137639	120.419	119.932	
16)	Endosulfa...	8.209	8.662	15385950	9576483	105.817	108.851	
17)	4,4'-DDT	8.282	8.790	13230439	8064130	116.766	126.601	Q-41
18)	Endrin Al...	8.503	8.897	12936196	7759690	113.482	110.787	
19)	Endosulfa...	8.807	9.090	14835076	8694586	110.897	120.521	
20)	Methoxychlor	8.614	9.255	6450534	4104086	113.517	116.844	
21)	Endrin Ke...	9.006	9.476	17257063	10194201	115.809	123.721	
23)	Hexachlor...	0.000	3.563	0	3292	N.D.	1092.570	#
24)	Hexachlor...	5.865	0.000	35919	0	0.018	N.D.	#
25)	Oxychlordane	7.350	7.715f	84697	17962	0.172	BelowCal	#
26)	2,4'-DDE	7.417	7.941	17855444	11559661	149.651	160.076	
27)	trans-Non...	7.606	8.006	18886198	37320	105.955	BelowCal	#
28)	2,4'-DDD	7.799	8.294	39189	12191911	0.031	190.010	#
29)	2,4'-DDT	7.966	8.515	52971	9678588	0.215	174.814	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:04
Operator : MJB
Sample : 1E14010-CCV3
Misc : A21B424, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:36:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

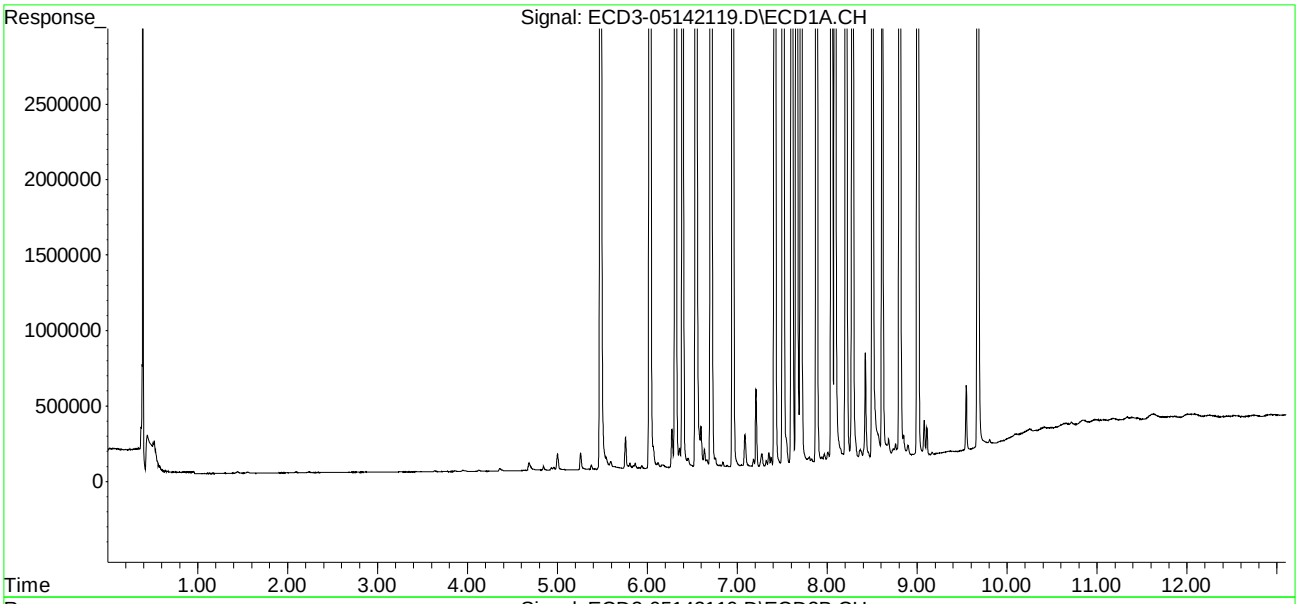
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.566	17389329	10137639	93.724	95.555	
31)	Mirex	8.735	9.476	57575	10194201	BelowCal	164.641	
32)	Chlordane...	7.509	7.941	19754433	11559661	902.522	843.083	
33)	Chlordane...	7.606	8.048	18886198	11177481	852.513	946.905	
34)	Chlordane...	0.000	8.706	0	69962	N.D.	20.918	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.606	8.294f	18886198	12191911	13737.300	10320.266	
37)	Toxaphene...	7.882	0.000	20032962	0	11336.771	N.D.	#
38)	Toxaphene...	8.209	8.662	15385950	9576483	3656.453	4092.981	
39)	Toxaphene...	8.424	8.706	703235	69962	214.084	16.267	#
40)	Toxaphene...	8.683	8.897	123444	7759690	56.799	4039.340	#
41)	Toxaphene...	8.735	9.255	57575	4104086	23.195	1950.993	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

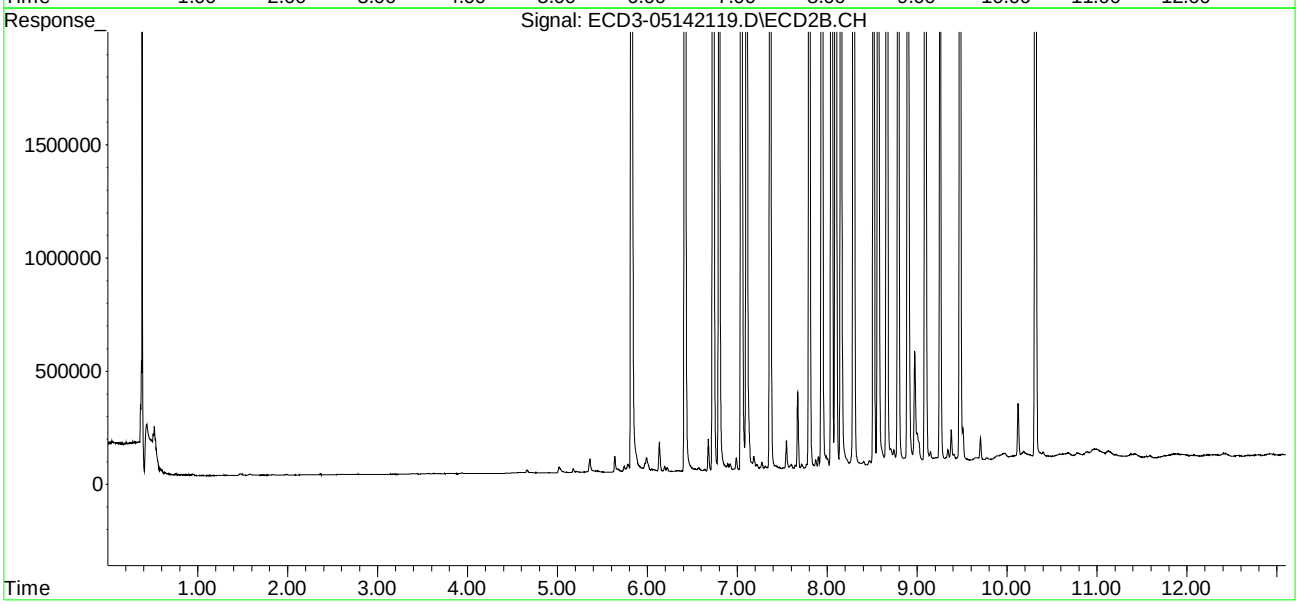
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:04
Operator : MJB
Sample : 1E14010-CCV3
Misc : A21B424, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:36:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:22
Operator : MJB
Sample : 1E14010-CCV4
Misc : A21C332, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:38:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.451f	5.862f	131733	82954	0.760	0.810	
22) S	DCBP (S)	9.681	0.000	4485	0	0.034	N.D.	#
	Target Compounds							
2)	a-BHC	6.021	6.458f	10077	3645	0.043	0.025	#
3)	g-BHC	6.304	0.000	37462	0	0.184	N.D.	#
4)	b-BHC	0.000	6.809	0	18063	N.D.	0.322	#
5)	Heptachlor	6.711	7.106	31560	20002	0.167	0.176	
6)	d-BHC	6.548	7.050	9262	4149	0.050	0.037	
7)	Aldrin	6.924f	7.366	14147	5094	0.067	0.041	
8)	Heptachlo...	7.408	7.839f	12152241	130723	65.878	1.194	#
9)	trans-Chl...	7.508	7.929	89826	7478312	0.466	66.117	#
10)	cis-Chlor...	7.593	0.000	18290044	0	100.474	N.D.	#
11)	Endosulfa...	7.688	8.112	145252	66687	0.847	0.665	
12)	4,4'-DDE	7.688f	8.184f	145252	5728	0.764	0.052	#
13)	Dieldrin	7.874	8.300	39080	6960403	0.204	62.597	#
14)	Endrin	8.069	8.521	19463070	6013360	134.119	71.564	#
15)	4,4'-DDD	8.069	8.565	19463070	11618036	134.780	137.446	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.282	8.788	6244	3741	0.055	0.059	
18)	Endrin Al...	8.500	8.906	75466	9660	0.323	8826.853	#
19)	Endosulfa...	8.781f	0.000	57493	0	0.430	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.991	9.467	1576	6746854	0.011	81.883	#
23)	Hexachlor...	3.284	3.546	17031780	11914074	103.774	105.216	
24)	Hexachlor...	5.865	6.287	17553379	10474003	102.556	104.878	
25)	Oxychlordane	7.340	7.732	15227422	9491288	102.178	107.893	
26)	2,4'-DDE	7.408	7.929	12152241	7478312	102.478	104.361	
27)	trans-Non...	7.593	8.008	18290044	10877083	102.708	105.376	
28)	2,4'-DDD	7.786	8.300	11583992	6960403	111.972	112.079	
29)	2,4'-DDT	7.965	8.521	9974553	6013360	112.215	114.431	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:22
Operator : MJB
Sample : 1E14010-CCV4
Misc : A21C332, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:38:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

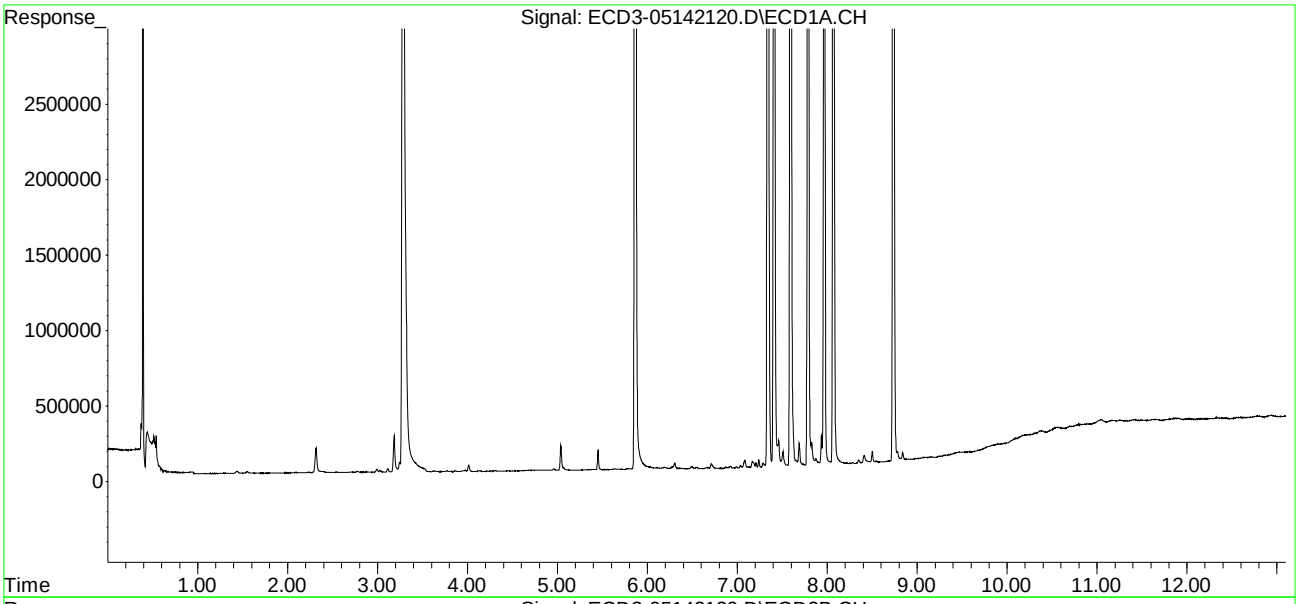
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.069	8.565	19463070	11618036	104.512	109.413	
31)	Mirex	8.735	9.467	11891183	6746854	107.376	108.850	
32)	Chlordane...	7.508	7.929	89826	7478312	4.104	545.417	#
33)	Chlordane...	7.593	0.000	18290044	0	825.603	N.D.	#
34)	Chlordane...	0.000	8.711	0	28090	N.D.	8.398	#
35)	Chlordane...	3.771f	0.000	5245	0	NoCal	N.D.	
36)	Toxaphene...	7.593	8.300f	18290044	6960403	13419.484	5891.875	#
37)	Toxaphene...	7.874	0.000	39080	0	22.115	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.409f	8.711	50018	28090	11.856	1.848	#
40)	Toxaphene...	0.000	8.906	0	9660	N.D.	5.029	#
41)	Toxaphene...	8.735	0.000	11891183	0	3124.775	N.D.	#
42)	Toxaphene...	3.771f	0.000	5245	0	NoCal	N.D.	

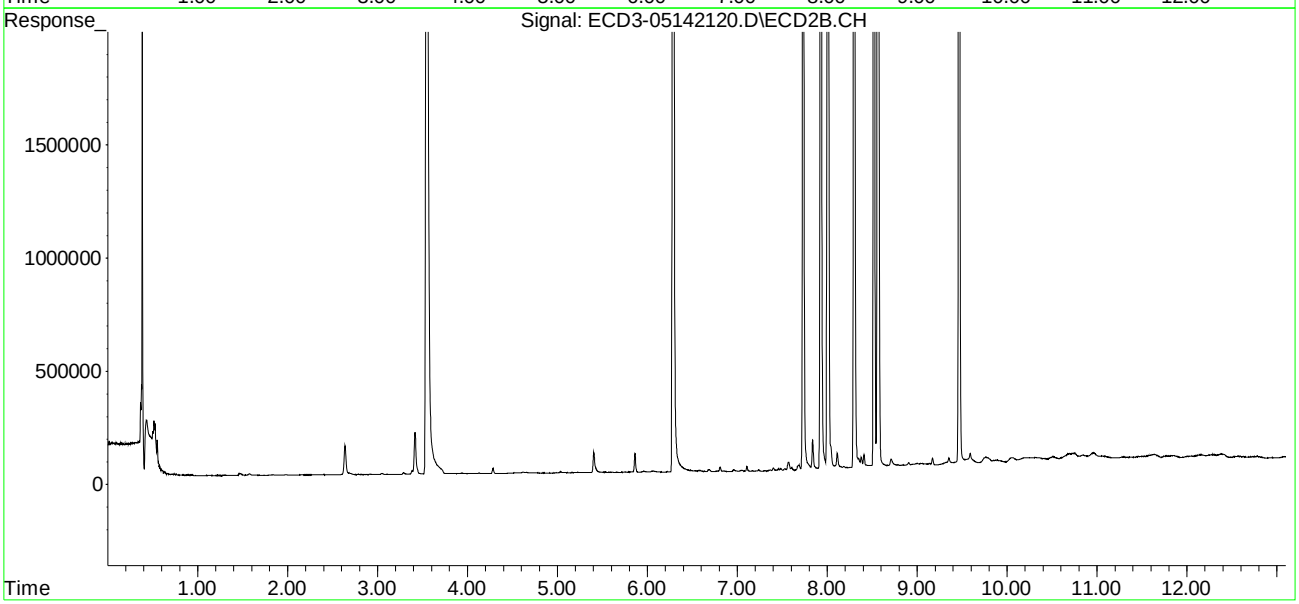
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:22
Operator : MJB
Sample : 1E14010-CCV4
Misc : A21C332, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:38:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:22
Operator : MJB
Sample : 1E14010-CCV4
Misc : A21C332, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:38:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.451f	5.862f	131733	82954	0.760	0.810	
22)	S	DCBP (S)	9.681	0.000	4485	0	0.034	N.D.	#
		Target Compounds							
2)		a-BHC	6.021	6.458f	10077	3645	0.043	0.025	#
3)		g-BHC	6.304	0.000	37462	0	0.184	N.D.	#
4)		b-BHC	0.000	6.809	0	18063	N.D.	0.322	#
5)		Heptachlor	6.711	7.106	31560	20002	0.167	0.176	
6)		d-BHC	6.548	7.050	9262	4149	0.050	0.037	
7)		Aldrin	6.924f	7.366	14147	5094	0.067	0.041	
8)		Heptachlo...	7.408	7.839f	12152241	130723	65.878	1.194	#
9)		trans-Chl...	7.508	7.929	89826	7478312	0.466	66.117	#
10)		cis-Chlor...	7.593	0.000	18290044	0	100.474	N.D.	#
11)		Endosulfa...	7.688	8.112	145252	66687	0.847	0.665	
12)		4,4'-DDE	7.688f	8.184f	145252	5728	0.764	0.052	#
13)		Dieldrin	7.874	8.300	39080	6960403	0.204	62.597	#
14)		Endrin	8.069	8.521	19463070	6013360	134.119	71.564	#
15)		4,4'-DDD	8.069	8.565	19463070	11618036	134.780	137.446	
16)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)		4,4'-DDT	8.282	8.788	6244	3741	0.055	0.059	
18)		Endrin Al...	8.500	8.906	75466	9660	0.323	8826.853	#
19)		Endosulfa...	8.781f	0.000	57493	0	0.430	N.D.	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	8.991	9.467	1576	6746854	0.011	81.883	#
23)		Hexachlor...	3.284	3.546	17031780	11914074	103.774	105.216	
24)		Hexachlor...	5.865	6.287	17553379	10474003	102.556	104.878	
25)		Oxychlordane	7.340	7.732	15227422	9491288	102.178	107.893	
26)		2,4'-DDE	7.408	7.929	12152241	7478312	102.478	104.361	
27)		trans-Non...	7.593	8.008	18290044	10877083	102.708	105.376	
28)		2,4'-DDD	7.786	8.300	11583992	6960403	111.972	112.079	
29)		2,4'-DDT	7.965	8.521	9974553	6013360	112.215	114.431	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:22
Operator : MJB
Sample : 1E14010-CCV4
Misc : A21C332, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:38:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

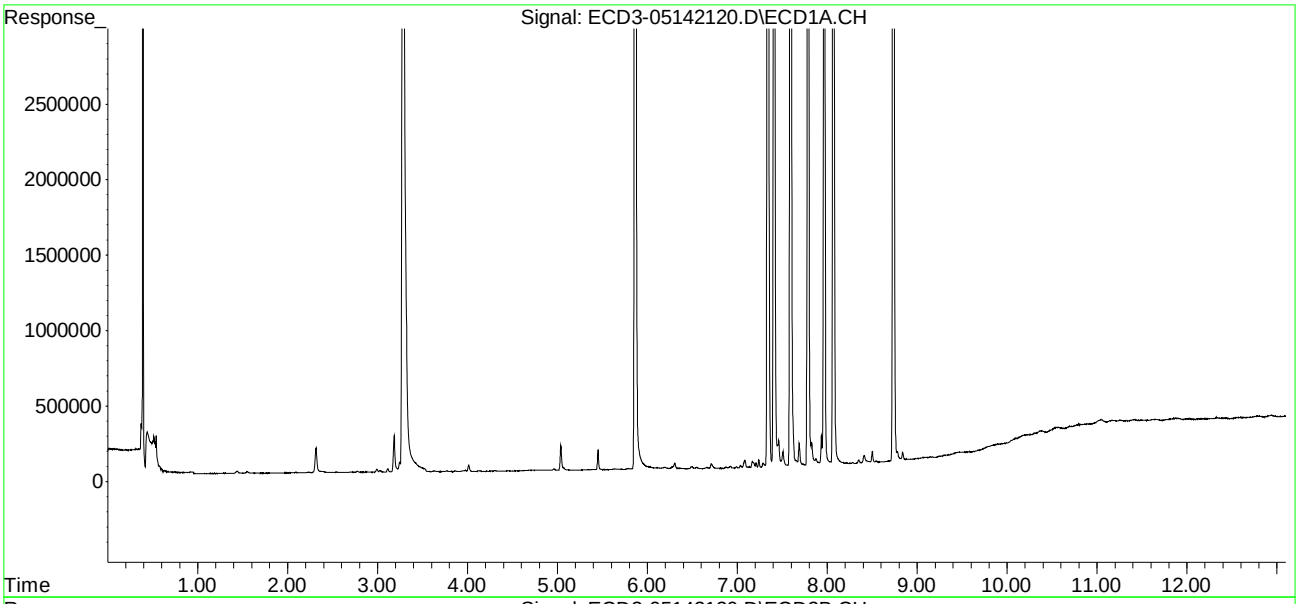
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.069	8.565	19463070	11618036	104.512	109.413	
31)	Mirex	8.735	9.467	11891183	6746854	107.376	108.850	
32)	Chlordane...	7.508	7.929	89826	7478312	4.104	545.417	#
33)	Chlordane...	7.593	0.000	18290044	0	825.603	N.D.	#
34)	Chlordane...	0.000	8.711	0	28090	N.D.	8.398	#
35)	Chlordane...	3.771f	0.000	5245	0	NoCal	N.D.	
36)	Toxaphene...	7.593	8.300f	18290044	6960403	13419.484	5891.875	#
37)	Toxaphene...	7.874	0.000	39080	0	22.115	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.409f	8.711	50018	28090	11.856	1.848	#
40)	Toxaphene...	0.000	8.906	0	9660	N.D.	5.029	#
41)	Toxaphene...	8.735	0.000	11891183	0	3124.775	N.D.	#
42)	Toxaphene...	3.771f	0.000	5245	0	NoCal	N.D.	

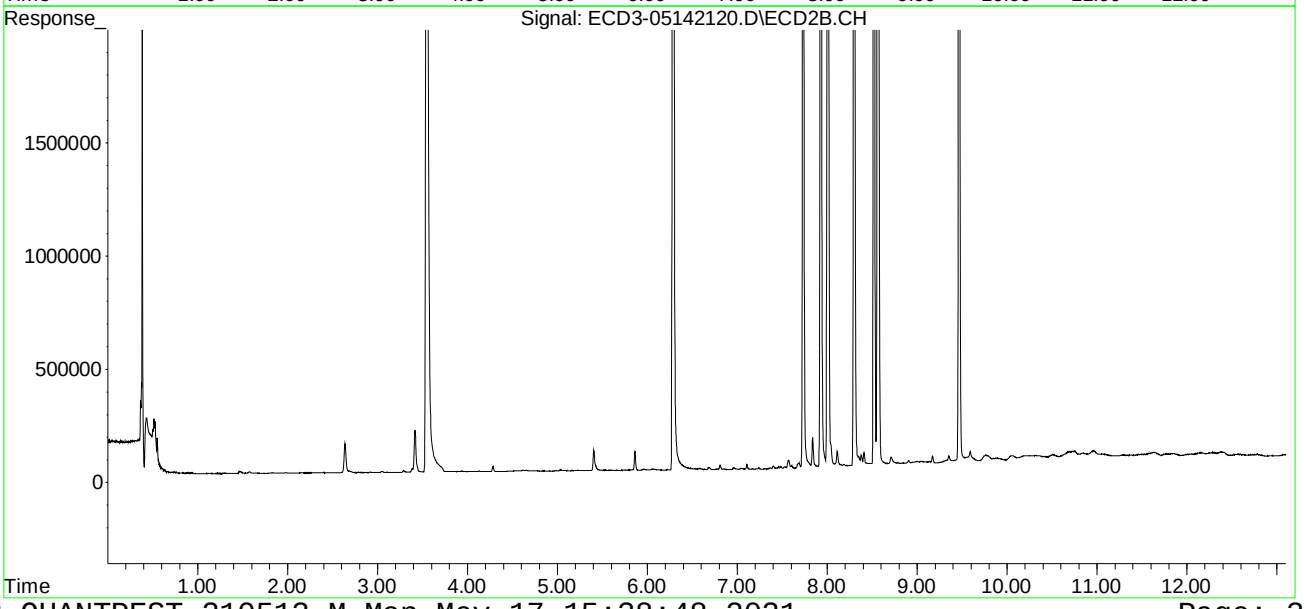
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:22
Operator : MJB
Sample : 1E14010-CCV4
Misc : A21C332, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:38:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:39
Operator : MJB
Sample : 1E14010-CCB2
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:39:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	17516889	10439802	101.034	101.990	
22) S	DCBP (S)	9.676	10.314	12719677	6911067	97.346	107.125	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.401f	0	8860	N.D.	0.071	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.498	7.963	14790	11056	0.077	0.098	
10)	cis-Chlor...	7.625	0.000	20062	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.658	0.000	9013	0	0.047	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	8.514	0	494	N.D.	0.006	#
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	8.627	0.000	3292	0	0.058	N.D.	#
21)	Endrin Ke...	9.019	0.000	8803	0	0.059	N.D.	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.865	0.000	28178	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	7.963f	0	11056	N.D.	BelowCal	
27)	trans-Non...	7.625f	8.002	20062	2397	BelowCal	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	8.514	0	494	N.D.	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:39
Operator : MJB
Sample : 1E14010-CCB2
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:39:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

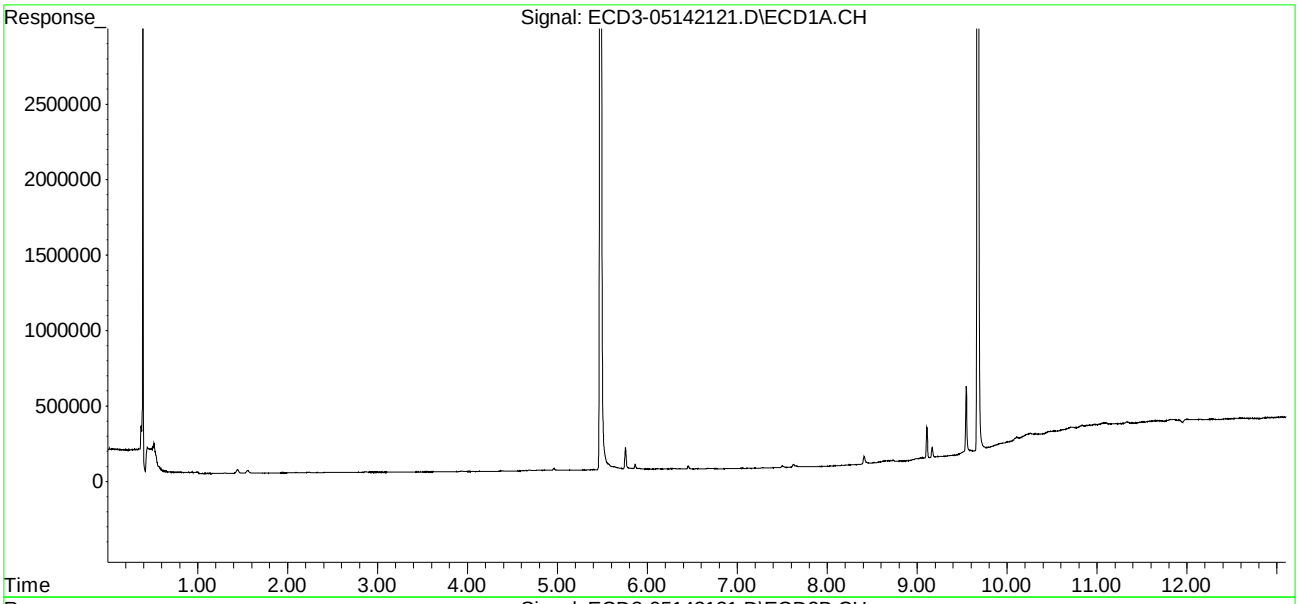
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.733	0.000	7032	0	BelowCal	N.D.	
32)	Chlordane...	7.498	7.963	14790	11056	0.676	0.806	
33)	Chlordane...	7.625	0.000	20062	0	0.906	N.D.	#
34)	Chlordane...	0.000	8.710	0	28014	N.D.	8.376	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.625f	0.000	20062	0	26.105	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.450	8.710	3312	28014	BelowCal	1.822	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.733	0.000	7032	0	4.726	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

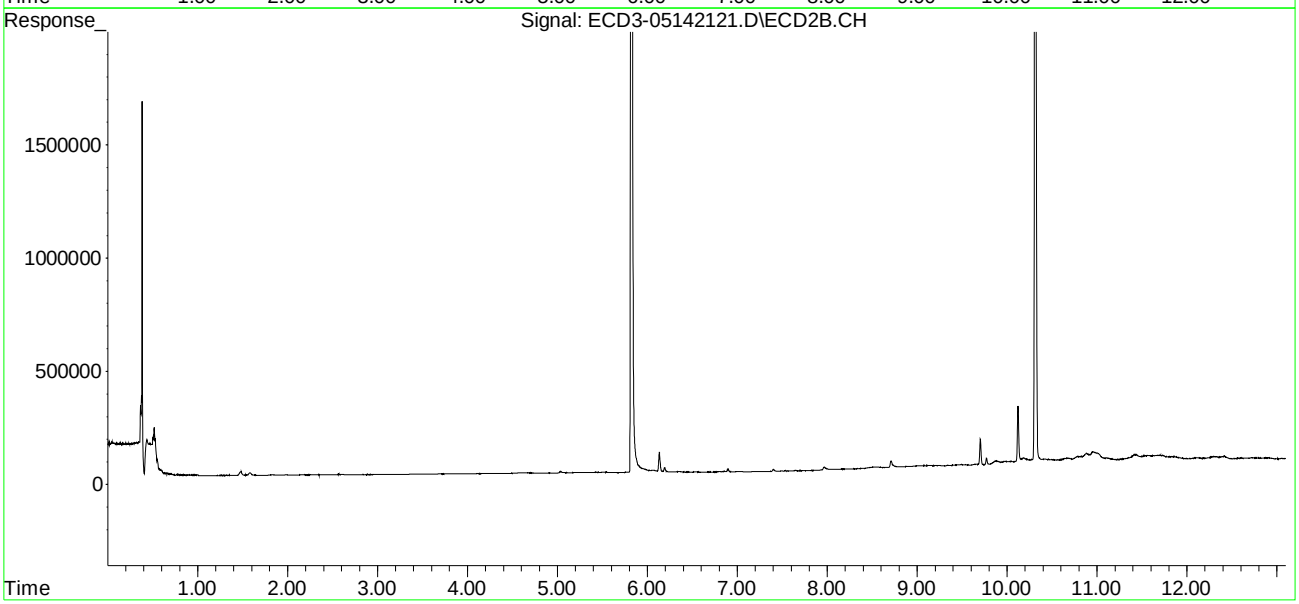
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:39
Operator : MJB
Sample : 1E14010-CCB2
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:39:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:39
Operator : MJB
Sample : 1E14010-CCB2
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:39:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	17516889	10439802	101.034	101.990	
22) S	DCBP (S)	9.676	10.314	12719677	6911067	97.346	107.125	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.401f	0	8860	N.D.	0.071	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.498	7.963	14790	11056	0.077	0.098	
10)	cis-Chlor...	7.625	0.000	20062	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.658	0.000	9013	0	0.047	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	8.514	0	494	N.D.	0.006	#
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	8.627	0.000	3292	0	0.058	N.D.	#
21)	Endrin Ke...	9.019	0.000	8803	0	0.059	N.D.	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.865	0.000	28178	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	7.963f	0	11056	N.D.	BelowCal	
27)	trans-Non...	7.625f	8.002	20062	2397	BelowCal	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	8.514	0	494	N.D.	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:39
Operator : MJB
Sample : 1E14010-CCB2
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:39:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

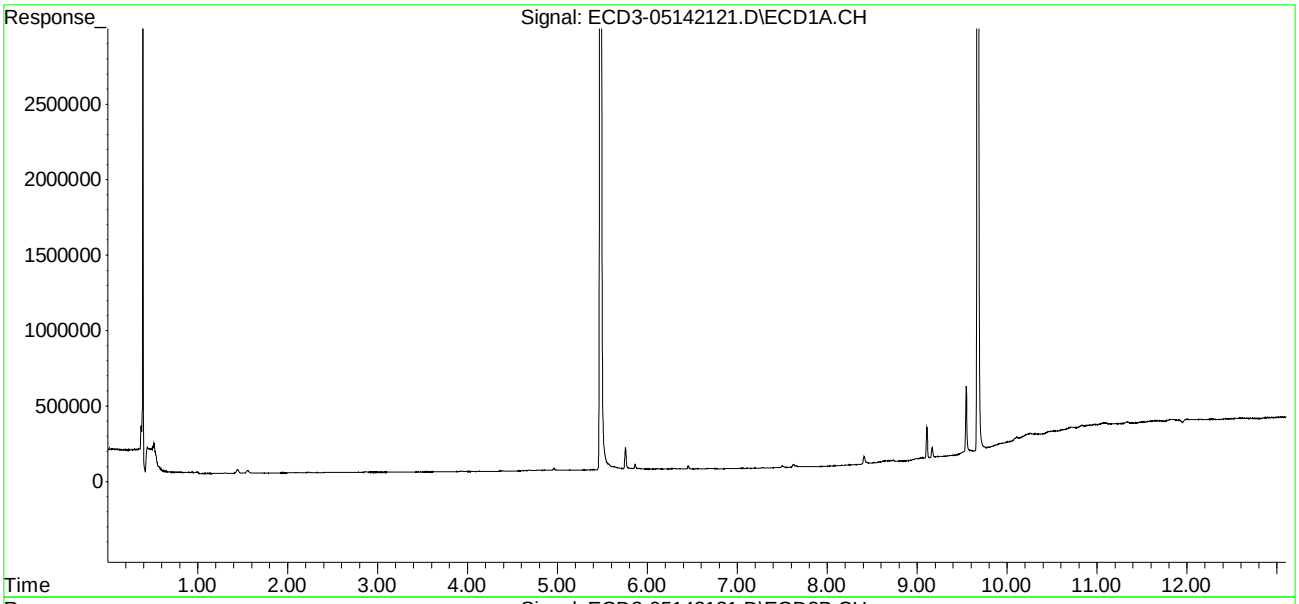
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.733	0.000	7032	0	BelowCal	N.D.	
32)	Chlordane...	7.498	7.963	14790	11056	0.676	0.806	
33)	Chlordane...	7.625	0.000	20062	0	0.906	N.D.	#
34)	Chlordane...	0.000	8.710	0	28014	N.D.	8.376	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.625f	0.000	20062	0	26.105	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.450	8.710	3312	28014	BelowCal	1.822	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.733	0.000	7032	0	4.726	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

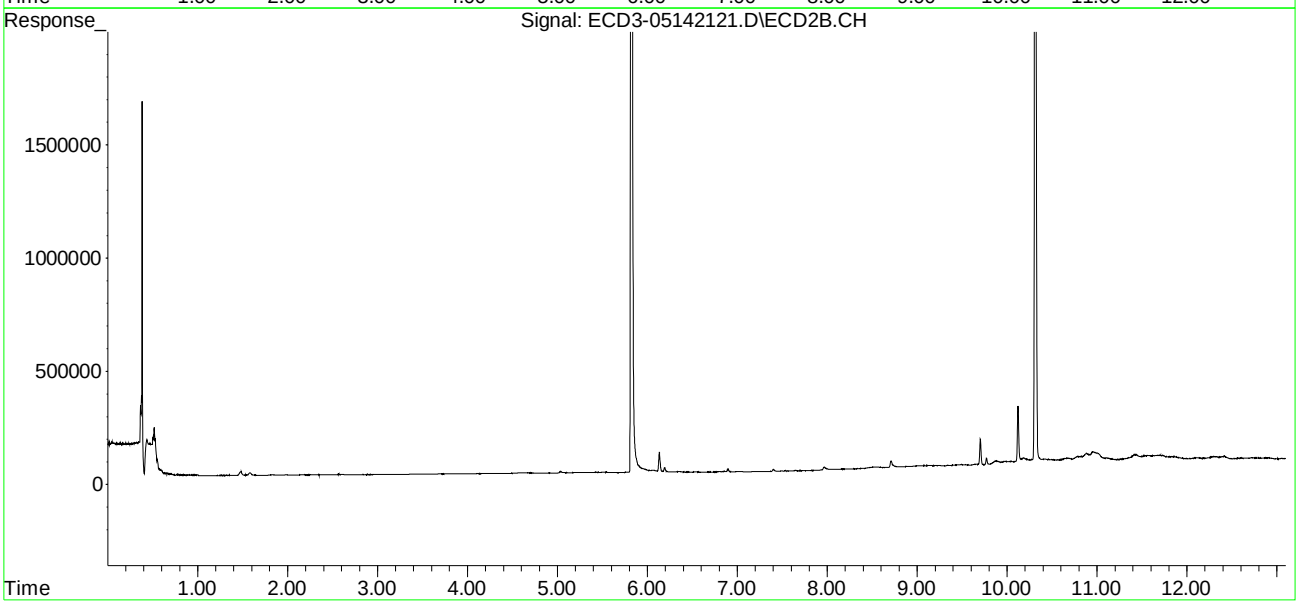
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:39
Operator : MJB
Sample : 1E14010-CCB2
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:39:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:57
Operator : MJB
Sample : 1050384-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:40:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	10889275	6791593	62.807	66.350	
22) S	DCBP (S)	9.675	10.314	8203730	4453406	62.785	68.465	
	Target Compounds							
2)	a-BHC	6.034	0.000	4797	0	0.020	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	6.789	0	3345	N.D.	0.060	#
5)	Heptachlor	6.716	0.000	7419	0	0.039	N.D.	#
6)	d-BHC	6.541	7.014f	5776	5386	0.031	0.049	#
7)	Aldrin	0.000	7.397f	0	8160	N.D.	0.065	#
8)	Heptachlo...	7.407	7.772f	4252947	92085	23.056	0.841	#
9)	trans-Chl...	7.492	7.928	13934	2638738	0.072	23.330	#
10)	cis-Chlor...	7.615	0.000	30252	0	BelowCal	N.D.	
11)	Endosulfa...	7.723	0.000	25008	0	0.146	N.D.	#
12)	4,4'-DDE	7.659	8.152	6780491	4089484	35.659	37.061	
13)	Dieldrin	0.000	8.299	0	2502808	N.D.	22.508	#
14)	Endrin	8.086f	8.520	5934707	2605751	40.896	31.011	
15)	4,4'-DDD	8.086	8.564	5934707	3603530	41.097	42.631	
16)	Endosulfa...	8.172f	8.669	7492	12144	0.052	0.138	#
17)	4,4'-DDT	8.282	8.789	5222316	3223341	46.090	50.604	
18)	Endrin Al...	8.467f	8.872f	9738	12067	5773.502	8826.819	#
19)	Endosulfa...	8.805	9.125f	5200	2676	0.039	0.037	
20)	Methoxychlor	8.613	0.000	4457	0	0.078	N.D.	#
21)	Endrin Ke...	9.005	9.490	2626	27391	0.018	0.332	#
23)	Hexachlor...	3.283	3.511f	20933	196839	2279.168	1.364	#
24)	Hexachlor...	5.865	6.288	45509	19569	0.076	0.009	#
25)	Oxychlordane	7.309f	7.730	10710	9944	BelowCal	BelowCal	
26)	2,4'-DDE	7.407	7.928	4252947	2638738	36.019	36.995	
27)	trans-Non...	7.615f	0.000	30252	0	BelowCal	N.D.	
28)	2,4'-DDD	7.784	8.299	4135726	2502808	41.079	41.348	
29)	2,4'-DDT	7.964	8.520	4227067	2605751	50.199	52.323	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:57
Operator : MJB
Sample : 1050384-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:40:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

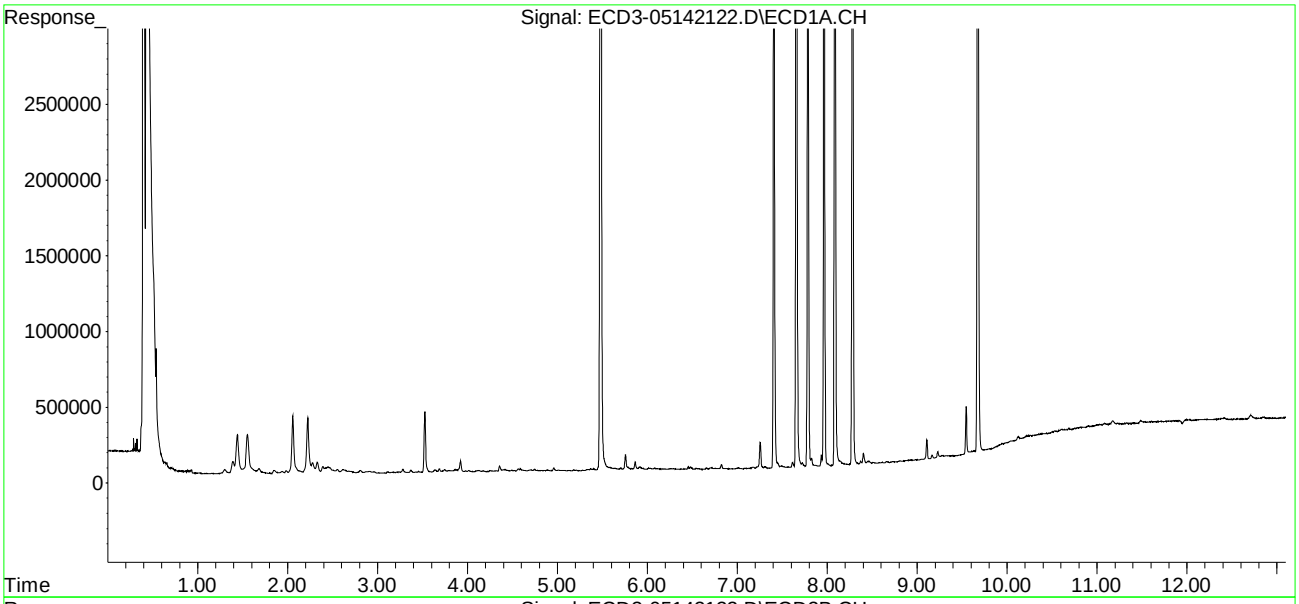
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.086	8.564	5934707	3603530	32.516	33.929	
31)	Mirex	8.725	9.490	5280	27391	BelowCal	BelowCal	
32)	Chlordane...	7.492	7.928	13934	2638738	0.637	192.452	#
33)	Chlordane...	7.615	0.000	30252	0	1.366	N.D.	#
34)	Chlordane...	8.172	8.703	7492	41606	1.315	12.440	#
35)	Chlordane...	3.792	3.798f	10010	4818	NoCal	NoCal	
36)	Toxaphene...	7.566f	8.250f	3439	2323	6.856	1.967	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.172f	8.669	7492	12144	3.602	8.262	#
39)	Toxaphene...	8.451	8.703	12275	41606	BelowCal	6.507	
40)	Toxaphene...	8.657	8.872f	8854	12067	6.754	6.282	
41)	Toxaphene...	8.725	0.000	5280	0	4.084	N.D.	#
42)	Toxaphene...	3.792	3.798f	10010	4818	NoCal	NoCal	

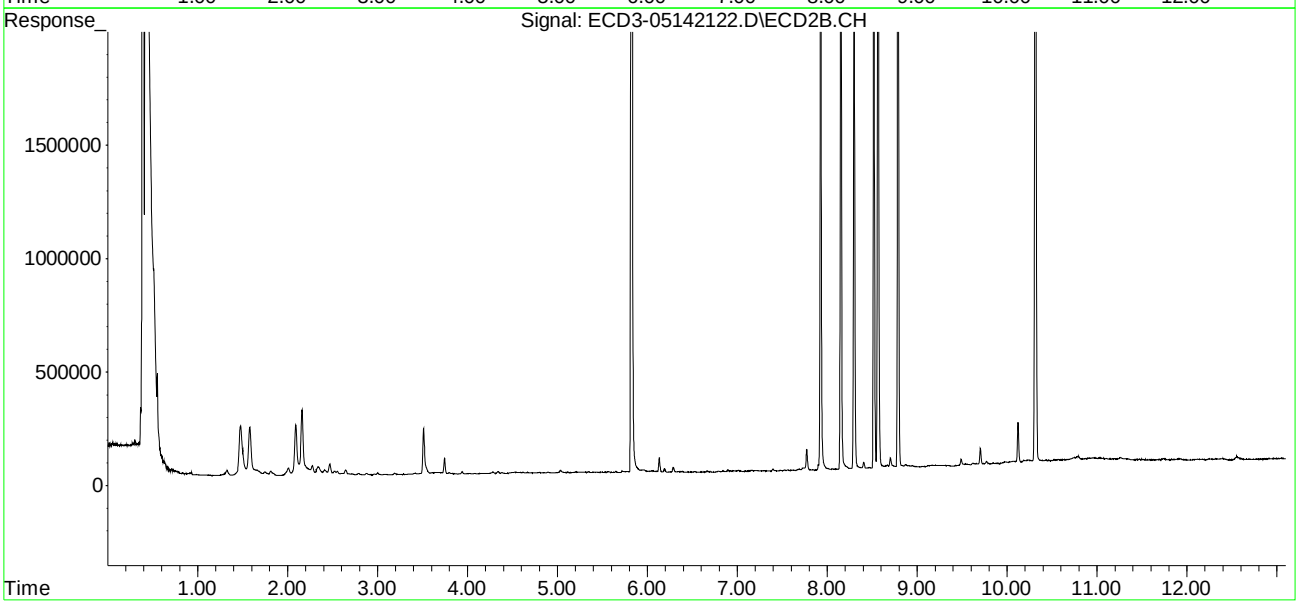
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:57
Operator : MJB
Sample : 1050384-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:40:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:57
Operator : MJB
Sample : 1050384-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Q-19

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:40:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.480	5.825	10889275	6791593	62.807	66.350	
22)	S DCBP (S)	9.675	10.314	8203730	4453406	62.785	68.465	
	Target Compounds							
2)	a-BHC	6.034	0.000	4797	0	0.020	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	6.789	0	3345	N.D.	0.060	#
5)	Heptachlor	6.716	0.000	7419	0	0.039	N.D.	#
6)	d-BHC	6.541	7.014f	5776	5386	0.031	0.049	#
7)	Aldrin	0.000	7.397f	0	8160	N.D.	0.065	#
8)	Heptachlo...	7.407	7.772f	4252947	92085	23.056	0.841	#
9)	trans-Chl...	7.492	7.928	13934	2638738	0.072	23.330	#
10)	cis-Chlor...	7.615	0.000	30252	0	BelowCal	N.D.	
11)	Endosulfa...	7.723	0.000	25008	0	0.146	N.D.	#
12)	4,4'-DDE	7.659	8.152	6780491	4089484	35.659	37.061	
13)	Dieldrin	0.000	8.299	0	2502808	N.D.	22.508	#
14)	Endrin	8.086f	8.520	5934707	2605751	40.896	31.011	
15)	4,4'-DDD	8.086	8.564	5934707	3603530	41.097	42.631	
16)	Endosulfa...	8.172f	8.669	7492	12144	0.052	0.138	#
17)	4,4'-DDT	8.282	8.789	5222316	3223341	46.090	50.604	
18)	Endrin Al...	8.467f	8.872f	9738	12067	5773.502	8826.819	#
19)	Endosulfa...	8.805	9.125f	5200	2676	0.039	0.037	
20)	Methoxychlor	8.613	0.000	4457	0	0.078	N.D.	#
21)	Endrin Ke...	9.005	9.490	2626	27391	0.018	0.332	#
23)	Hexachlor...	3.283	3.511f	20933	196839	2279.168	1.364	#
24)	Hexachlor...	5.865	6.288	45509	19569	0.076	0.009	#
25)	Oxychlordane	7.309f	7.730	10710	9944	BelowCal	BelowCal	
26)	2,4'-DDE	7.407	7.928	4252947	2638738	36.019	36.995	
27)	trans-Non...	7.615f	0.000	30252	0	BelowCal	N.D.	
28)	2,4'-DDD	7.784	8.299	4135726	2502808	41.079	41.348	
29)	2,4'-DDT	7.964	8.520	4227067	2605751	50.199	52.323	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:57
Operator : MJB
Sample : 1050384-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:40:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

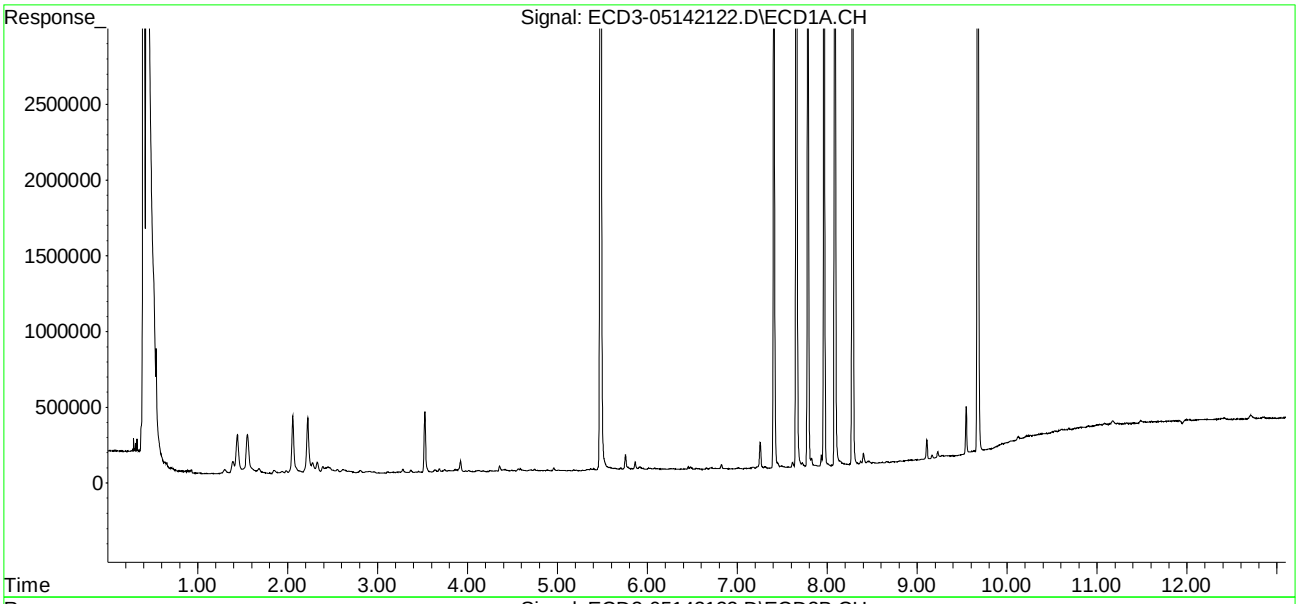
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.086	8.564	5934707	3603530	32.516	33.929	
31)	Mirex	8.725	9.490	5280	27391	BelowCal	BelowCal	
32)	Chlordane...	7.492	7.928	13934	2638738	0.637	192.452	#
33)	Chlordane...	7.615	0.000	30252	0	1.366	N.D.	#
34)	Chlordane...	8.172	8.703	7492	41606	1.315	12.440	#
35)	Chlordane...	3.792	3.798f	10010	4818	NoCal	NoCal	
36)	Toxaphene...	7.566f	8.250f	3439	2323	6.856	1.967	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.172f	8.669	7492	12144	3.602	8.262	#
39)	Toxaphene...	8.451	8.703	12275	41606	BelowCal	6.507	
40)	Toxaphene...	8.657	8.872f	8854	12067	6.754	6.282	
41)	Toxaphene...	8.725	0.000	5280	0	4.084	N.D.	#
42)	Toxaphene...	3.792	3.798f	10010	4818	NoCal	NoCal	

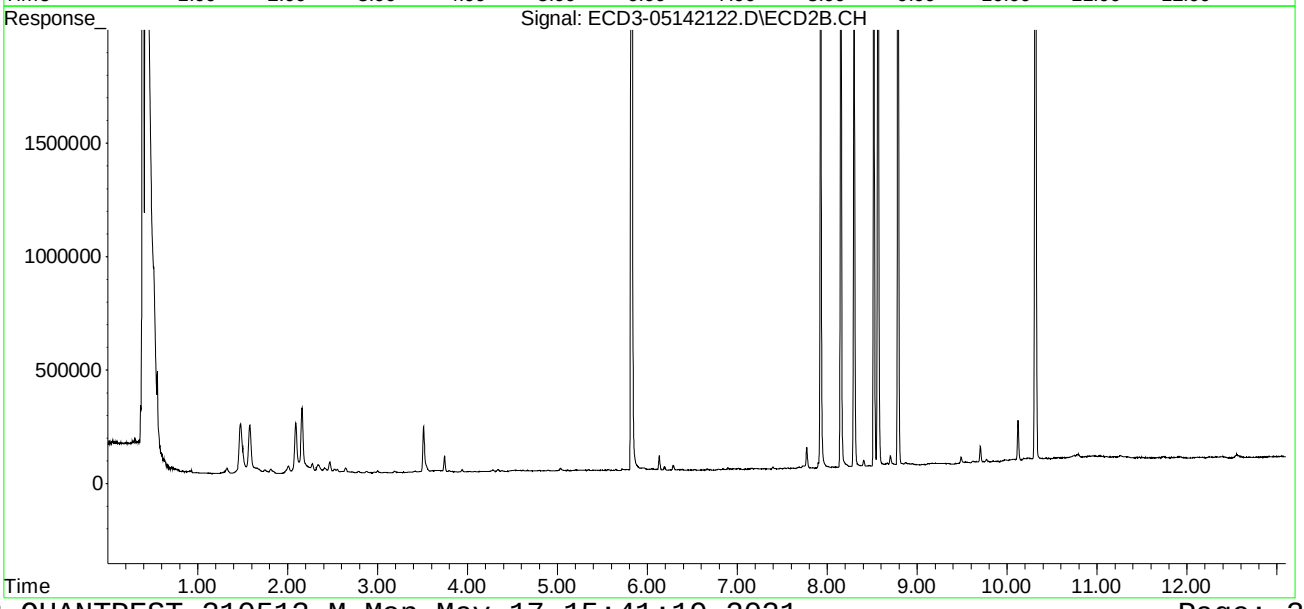
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 18:57
Operator : MJB
Sample : 1050384-BSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:40:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	11929287	7343915	68.806	71.746	
22) S	DCBP (S)	9.675	10.314	9378103	5114386	71.772	78.807	
	Target Compounds							
2)	a-BHC	6.018	0.000	12879	0	0.055	N.D.	#
3)	g-BHC	6.336f	6.707f	19327	4061	0.095	0.033	#
4)	b-BHC	6.395	0.000	48532	0	0.536	N.D.	#
5)	Heptachlor	6.713	7.103	14440	22795	0.076	0.201	#
6)	d-BHC	6.540	7.012f	45961	4974	0.249	0.045	#
7)	Aldrin	0.000	7.394f	0	215667	N.D.	1.717	#
8)	Heptachlo...	0.000	7.773f	0	130614	N.D.	1.193	#
9)	trans-Chl...	7.492	7.951	310389	20197	1.611	0.179	#
10)	cis-Chlor...	7.612	0.000	30916	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.653	0.000	21916	0	0.115	N.D.	#
13)	Dieldrin	7.855f	8.291	25112	2847	0.131	0.026	#
14)	Endrin	8.088f	0.000	7311	0	0.050	N.D.	#
15)	4,4'-DDD	8.088	0.000	7311	0	0.051	N.D.	#
16)	Endosulfa...	8.178f	8.666	12500	4477	0.086	0.051	#
17)	4,4'-DDT	8.310f	0.000	4732	0	0.042	N.D.	#
18)	Endrin Al...	8.466f	8.870f	13390	11906	5773.470	8826.821	#
19)	Endosulfa...	0.000	9.129f	0	3003	N.D.	0.042	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.981f	9.488	4665	53811	0.031	0.653	#
23)	Hexachlor...	3.284	3.546	172018	138621	0.813	0.897	
24)	Hexachlor...	5.864	6.275	30675	27071	BelowCal	0.085	
25)	Oxychlordane	0.000	7.717	0	15718	N.D.	BelowCal	
26)	2,4'-DDE	0.000	7.951f	0	20197	N.D.	BelowCal	
27)	trans-Non...	7.612	8.004	30916	4610	BelowCal	BelowCal	
28)	2,4'-DDD	7.791	8.291	6244	2847	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

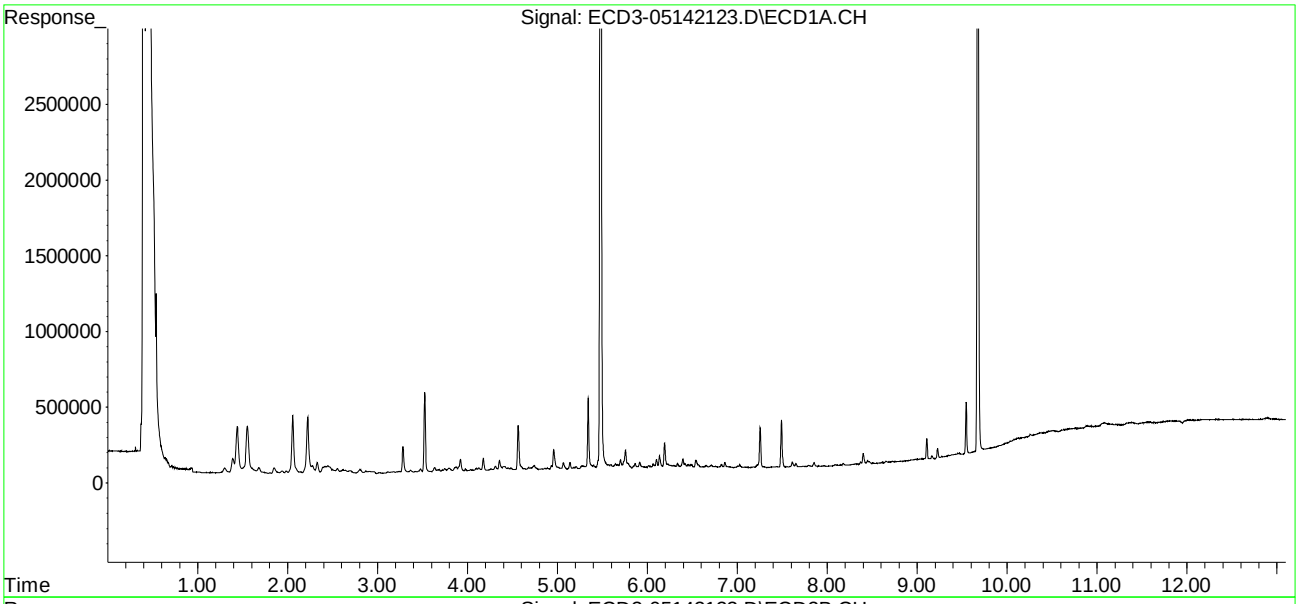
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	0.000	7311	0	BelowCal	N.D.	
31)	Mirex	8.726	9.458	3819	4197	BelowCal	BelowCal	
32)	Chlordane...	7.492	7.951	310389	20197	14.181	1.473	#
33)	Chlordane...	7.612	0.000	30916	0	1.396	N.D.	#
34)	Chlordane...	8.150	8.701	3916	42739	0.687	12.778	#
35)	Chlordane...	3.803	3.797f	21613	17128	NoCal	NoCal	
36)	Toxaphene...	7.612f	8.291	30916	2847	38.657	2.410	#
37)	Toxaphene...	7.855f	0.000	25112	0	14.211	N.D.	#
38)	Toxaphene...	8.178f	8.666	12500	4477	5.181	4.028	
39)	Toxaphene...	8.448	8.701	18403	42739	1.826	6.897	#
40)	Toxaphene...	8.654	8.870f	7721	11906	6.256	6.198	
41)	Toxaphene...	8.726	0.000	3819	0	3.549	N.D.	#
42)	Toxaphene...	3.803	3.797f	21613	17128	NoCal	NoCal	

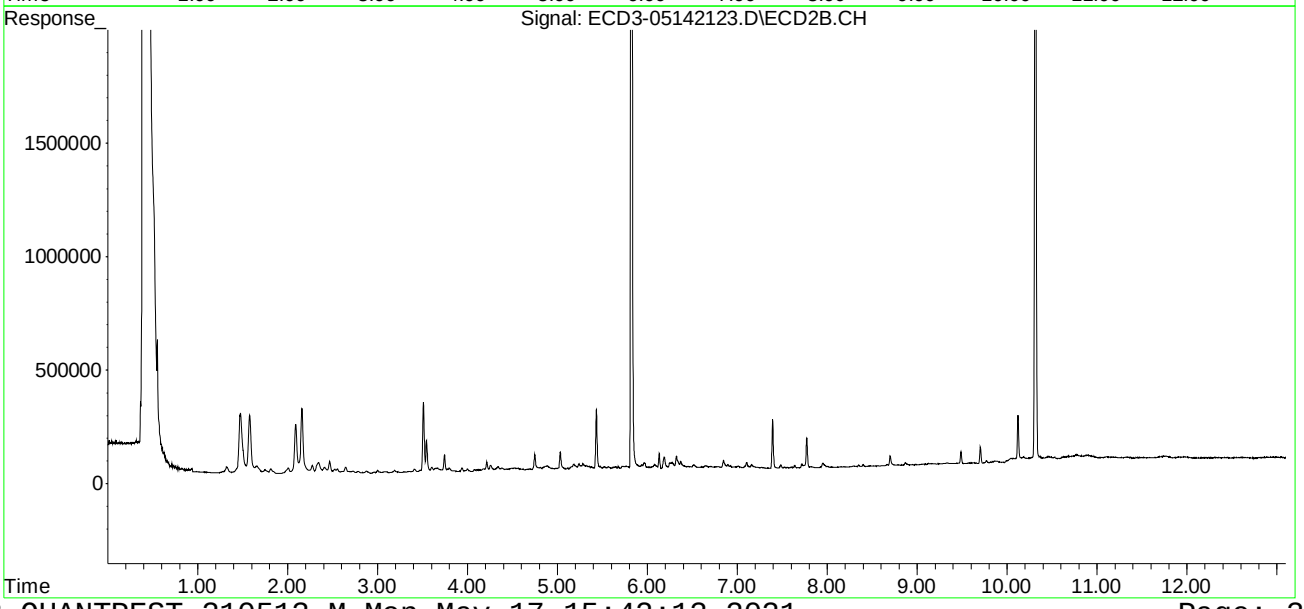
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

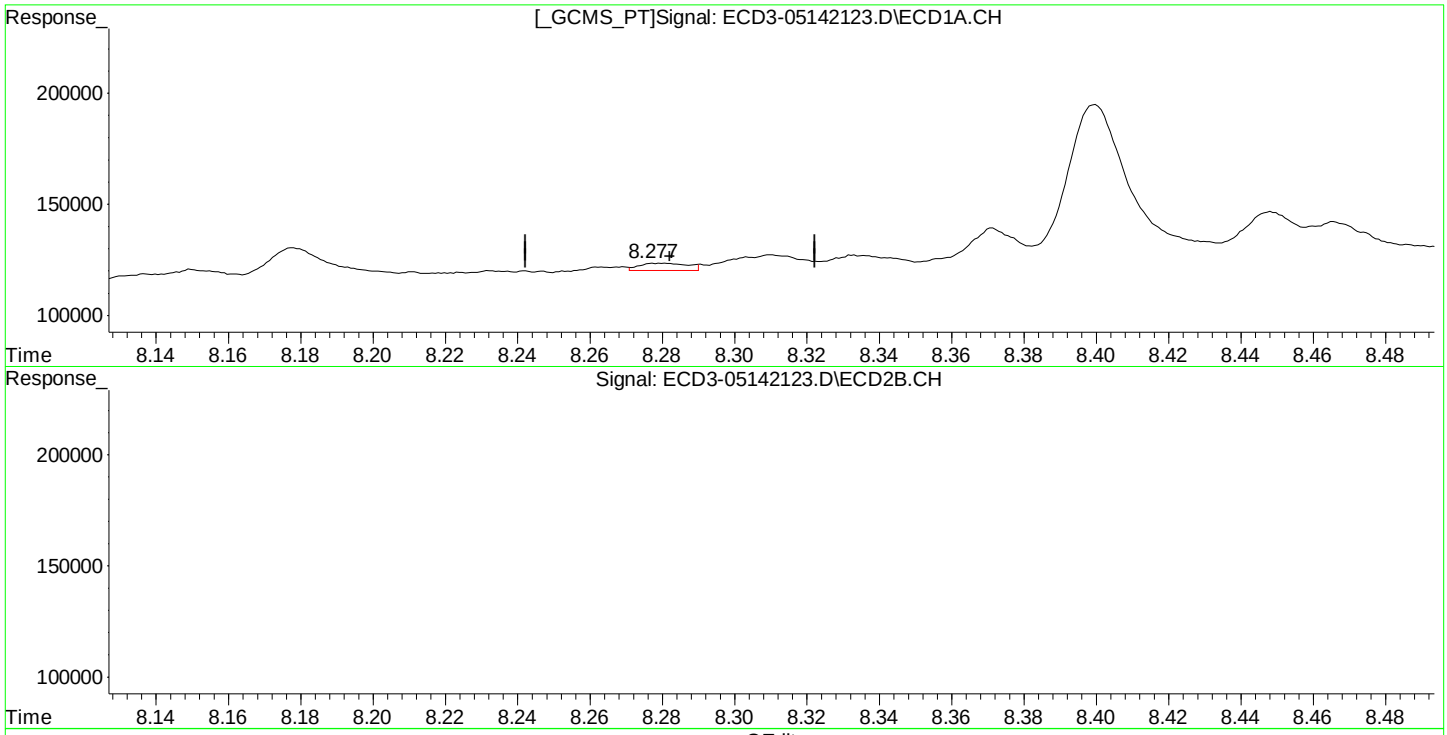




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(17) 4,4'-DDT
8.277min 0.030 ng/mL m
response 3365

(17) 4,4'-DDT #2
0.000min 0.000 ng/mL
response 0

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.480	5.825	11929287	7343915	68.806	71.746	
22) S	DCBP (S)	9.675	10.314	9378103	5114386	71.772	78.807	
	Target Compounds							
2)	a-BHC	6.018	0.000	12879	0	0.055	N.D.	#
3)	g-BHC	6.336f	6.707f	19327	4061	0.095	0.033	#
4)	b-BHC	6.395	0.000	48532	0	0.536	N.D.	#
5)	Heptachlor	6.713	7.103	14440	22795	0.076	0.201	#
6)	d-BHC	6.540	7.012f	45961	4974	0.249	0.045	#
7)	Aldrin	0.000	7.394f	0	215667	N.D.	1.717	#
8)	Heptachlo...	0.000	7.773f	0	130614	N.D.	1.193	#
9)	trans-Chl...	7.492	7.951	310389	20197	1.611	0.179	#
10)	cis-Chlor...	7.612	0.000	30916	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.653	0.000	21916	0	0.115	N.D.	#
13)	Dieldrin	7.855f	8.291	25112	2847	0.131	0.026	#
14)	Endrin	8.088f	0.000	7311	0	0.050	N.D.	#
15)	4,4'-DDD	8.088	0.000	7311	0	0.051	N.D.	#
16)	Endosulfa...	8.178f	8.666	12500	4477	0.086	0.051	#
17)	4,4'-DDT	8.277	0.000	3365	0	0.030m	N.D.	#
18)	Endrin Al...	8.466f	8.870f	13390	11906	5773.470	8826.821	#
19)	Endosulfa...	0.000	9.129f	0	3003	N.D.	0.042	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.981f	9.488	4665	53811	0.031	0.653	#
23)	Hexachlor...	3.284	3.546	172018	138621	0.813	0.897	
24)	Hexachlor...	5.864	6.275	30675	27071	BelowCal	0.085	
25)	Oxychlordane	0.000	7.717	0	15718	N.D.	BelowCal	
26)	2,4'-DDE	0.000	7.951f	0	20197	N.D.	BelowCal	
27)	trans-Non...	7.612	8.004	30916	4610	BelowCal	BelowCal	
28)	2,4'-DDD	7.791	8.291	6244	2847	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

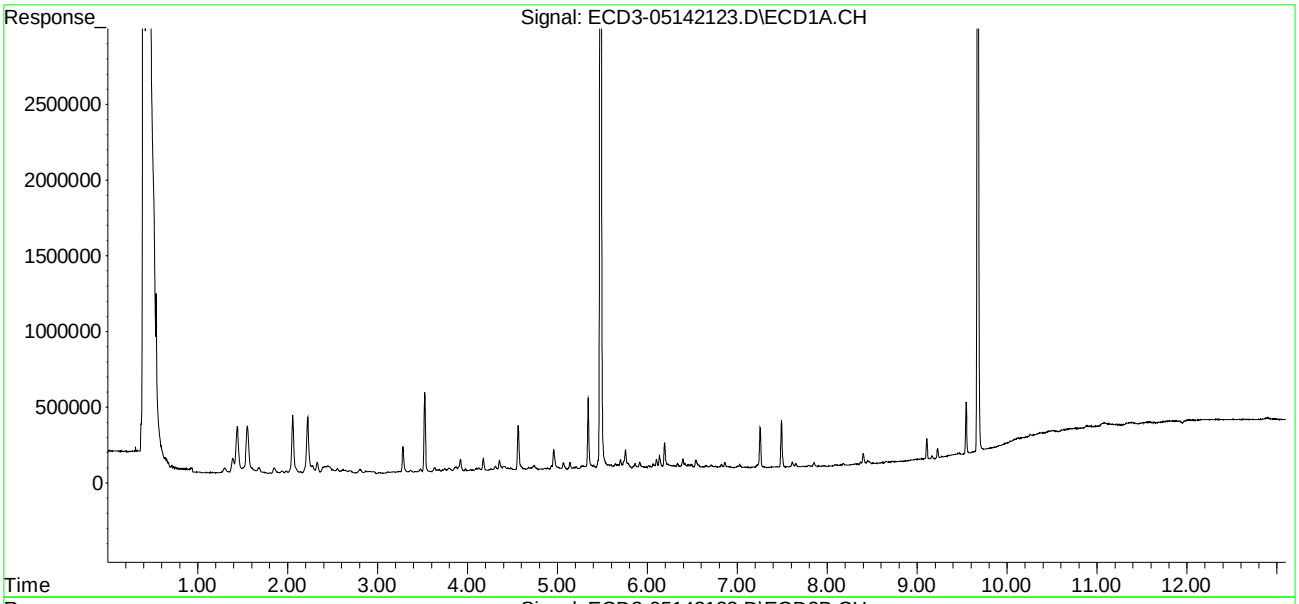
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	0.000	7311	0	BelowCal	N.D.	
31)	Mirex	8.726	9.458	3819	4197	BelowCal	BelowCal	
32)	Chlordane...	7.492	7.951	310389	20197	14.181	1.473	#
33)	Chlordane...	7.612	0.000	30916	0	1.396	N.D.	#
34)	Chlordane...	8.150	8.701	3916	42739	0.687	12.778	#
35)	Chlordane...	3.803	3.797f	21613	17128	NoCal	NoCal	
36)	Toxaphene...	7.612f	8.291	30916	2847	38.657	2.410	#
37)	Toxaphene...	7.855f	0.000	25112	0	14.211	N.D.	#
38)	Toxaphene...	8.178f	8.666	12500	4477	5.181	4.028	
39)	Toxaphene...	8.448	8.701	18403	42739	1.826	6.897	#
40)	Toxaphene...	8.654	8.870f	7721	11906	6.256	6.198	
41)	Toxaphene...	8.726	0.000	3819	0	3.549	N.D.	#
42)	Toxaphene...	3.803	3.797f	21613	17128	NoCal	NoCal	

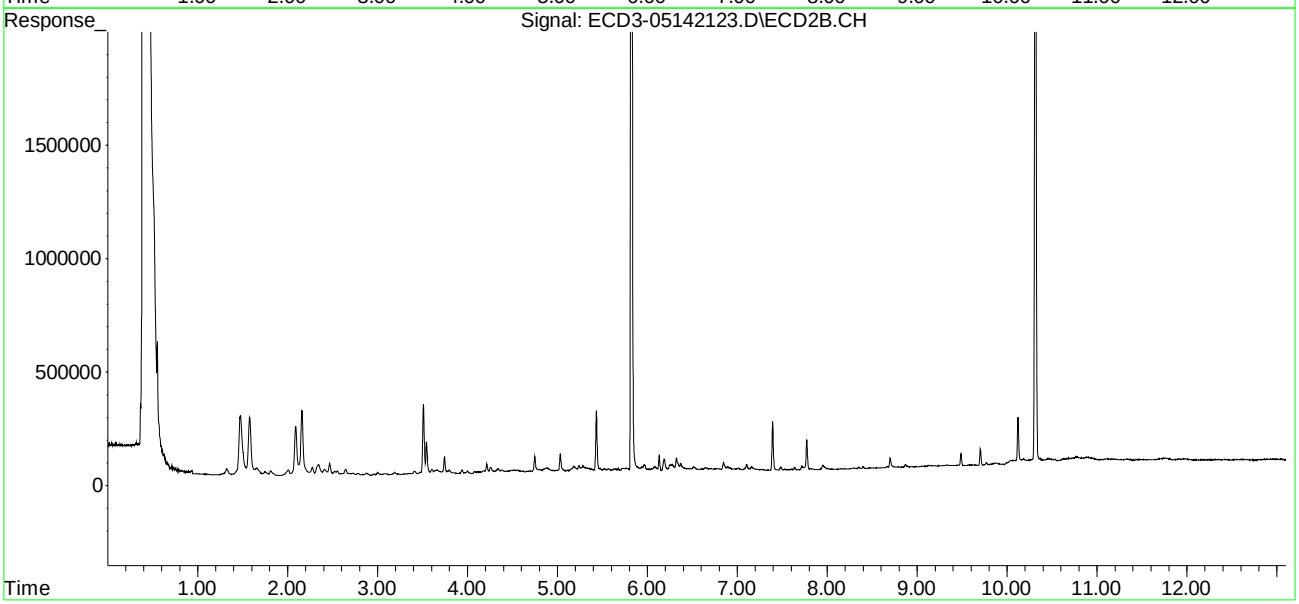
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 19:14
Operator : MJB
Sample : A1E0219-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 15:42:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 23:56
Operator : MJB
Sample : 1E14010-CCV5
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:22:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.478	5.822	8849136	5081118	51.040	49.639	
22) S	DCBP (S)	9.672	10.308	6795312	3728792	52.006	57.171	
	Target Compounds							
2)	a-BHC	6.025	6.413	13043594	7703715	55.261	53.358	
3)	g-BHC	6.309	6.727	11555631	6790252	56.810	54.565	
4)	b-BHC	6.388	6.794	4594409	2773142	50.722	49.398	
5)	Heptachlor	6.705	7.099	10892763	6521520	57.588	57.495	
6)	d-BHC	6.538	7.041	10334357	6120134	55.970	55.202	
7)	Aldrin	6.945	7.361	10998946	6497707	51.830	51.725	
8)	Heptachlo...	7.413	7.795	9295441	5733973	50.391	52.382	
9)	trans-Chl...	7.505	7.935	10072562	5926418	52.274	52.397	
10)	cis-Chlor...	7.602	8.042	9712978	5659845	54.007	51.487	
11)	Endosulfa...	7.704	8.089	9153481	5519389	53.374	55.064	
12)	4,4'-DDE	7.657	8.149	9833628	5887942	51.716	53.360	
13)	Dieldrin	7.878	8.288	10516311	6157814	54.930	55.379	
14)	Endrin	8.045	8.509	8364445	4894970	57.639	58.254	
15)	4,4'-DDD	8.085	8.560	8857885	5136726	61.340	60.769	
16)	Endosulfa...	8.205	8.656	7916111	4771163	54.443	54.231	
17)	4,4'-DDT	8.279	8.784	5865648	3455809	51.768	54.254	
18)	Endrin Al...	8.500	8.891	6449027	3941163	55.837	55.751	
19)	Endosulfa...	8.803	9.084	7511199	4411491	56.149	61.151	
20)	Methoxychlor	8.611	9.249	2847513	1781294	50.111	50.714	
21)	Endrin Ke...	9.001	9.470	9067766	5184751	60.852	62.924	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.862	0.000	17816	0	BelowCal	N.D.	
25)	Oxychlordane	7.346	7.711f	44848	9005	BelowCal	BelowCal	
26)	2,4'-DDE	7.413	7.935	9295441	5926418	78.596	82.917	
27)	trans-Non...	7.602	7.983f	9712978	32768	55.232	BelowCal	#
28)	2,4'-DDD	0.000	8.288	0	6157814	N.D.	99.662	#
29)	2,4'-DDT	7.961	8.509	25439	4894970	BelowCal	94.772	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 23:56
Operator : MJB
Sample : 1E14010-CCV5
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:22:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

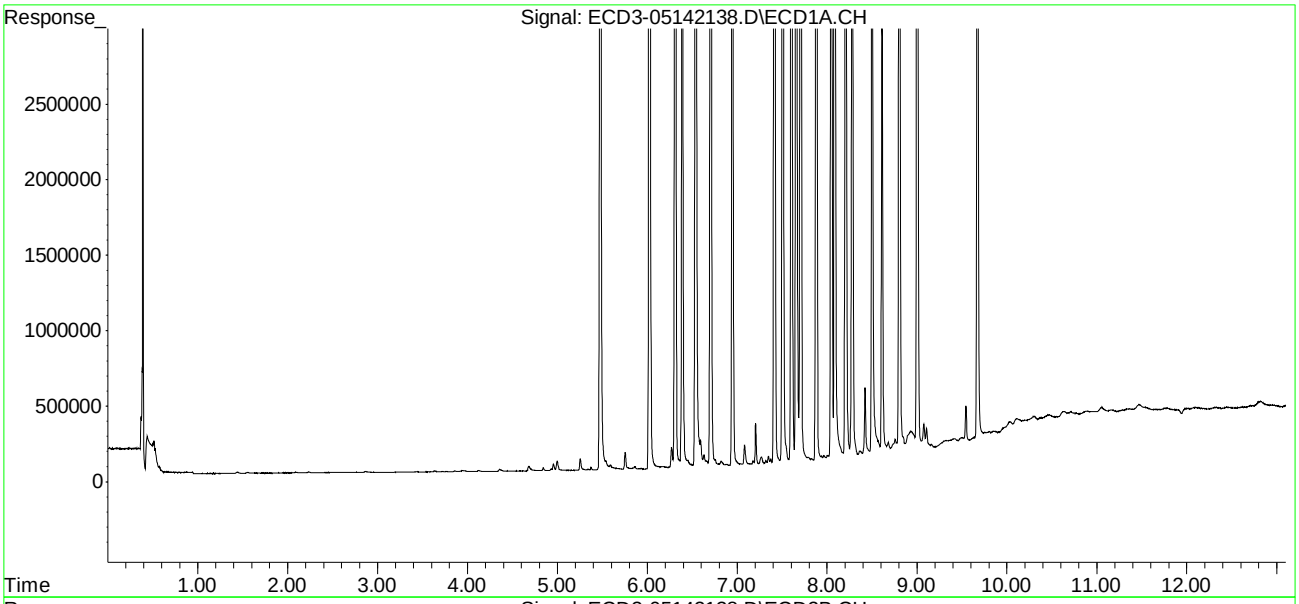
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.560	8857885	5136726	48.408	48.458	
31)	Mirex	8.755	9.470	80831	5184751	0.197	83.541	#
32)	Chlordane...	7.505	7.935	10072562	5926418	460.186	432.233	
33)	Chlordane...	7.602	8.042	9712978	5659845	438.439	479.476	
34)	Chlordane...	0.000	8.702	0	44109	N.D.	13.188	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.602	8.288	9712978	6157814	8291.342	5212.495	
37)	Toxaphene...	7.878	8.656f	10516311	4771163	5951.242	3096.416	#
38)	Toxaphene...	8.205	8.656	7916111	4771163	2102.072	2269.349	
39)	Toxaphene...	8.421	8.735	445398	38662	135.368	5.493	#
40)	Toxaphene...	8.680	8.891	66200	3941163	31.889	2051.589	#
41)	Toxaphene...	8.755	9.249	80831	1781294	31.664	945.499	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

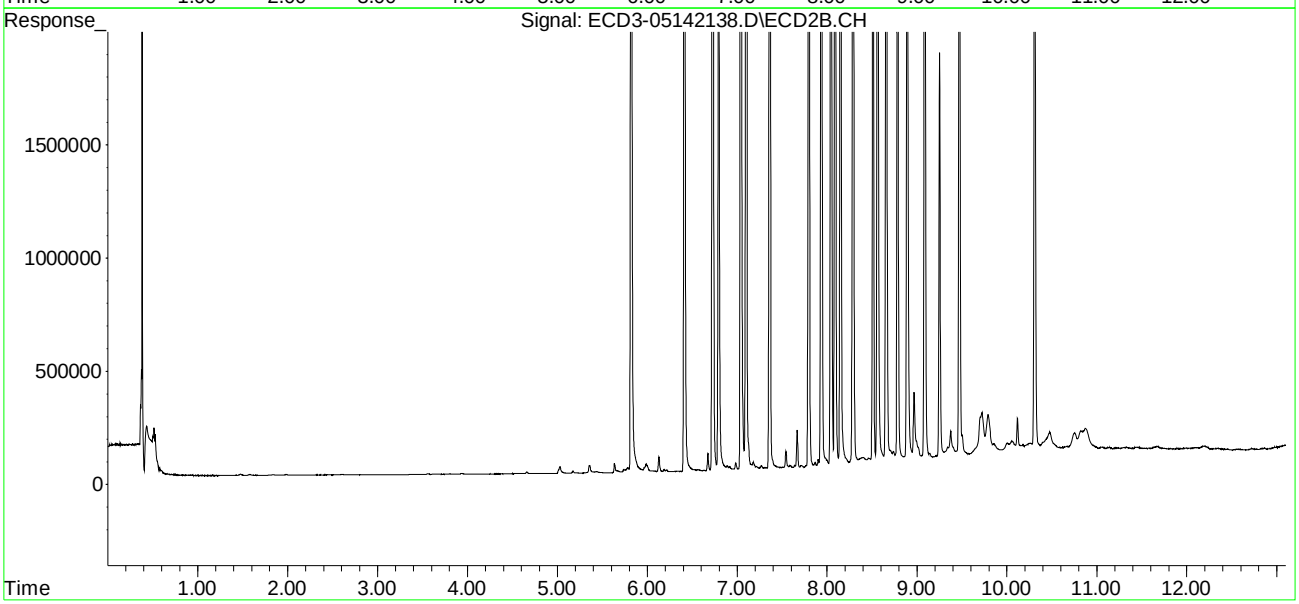
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 23:56
Operator : MJB
Sample : 1E14010-CCV5
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:22:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 23:56
Operator : MJB
Sample : 1E14010-CCV5 MJB 5/17/21
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:22:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.478	5.822	8849136	5081118	51.040	49.639	
22) S	DCBP (S)	9.672	10.308	6795312	3728792	52.006	57.171	
	Target Compounds							
2)	a-BHC	6.025	6.413	13043594	7703715	55.261	53.358	
3)	g-BHC	6.309	6.727	11555631	6790252	56.810	54.565	
4)	b-BHC	6.388	6.794	4594409	2773142	50.722	49.398	
5)	Heptachlor	6.705	7.099	10892763	6521520	57.588	57.495	
6)	d-BHC	6.538	7.041	10334357	6120134	55.970	55.202	
7)	Aldrin	6.945	7.361	10998946	6497707	51.830	51.725	
8)	Heptachlo...	7.413	7.795	9295441	5733973	50.391	52.382	
9)	trans-Chl...	7.505	7.935	10072562	5926418	52.274	52.397	
10)	cis-Chlor...	7.602	8.042	9712978	5659845	54.007	51.487	
11)	Endosulfa...	7.704	8.089	9153481	5519389	53.374	55.064	
12)	4,4'-DDE	7.657	8.149	9833628	5887942	51.716	53.360	
13)	Dieldrin	7.878	8.288	10516311	6157814	54.930	55.379	
14)	Endrin	8.045	8.509	8364445	4894970	57.639	58.254	
15)	4,4'-DDD	8.085	8.560	8857885	5136726	61.340 Q-41	60.769 Q-41	
16)	Endosulfa...	8.205	8.656	7916111	4771163	54.443	54.231	
17)	4,4'-DDT	8.279	8.784	5865648	3455809	51.768	54.254	
18)	Endrin Al...	8.500	8.891	6449027	3941163	55.837	55.751	
19)	Endosulfa...	8.803	9.084	7511199	4411491	56.149	61.151	
20)	Methoxychlor	8.611	9.249	2847513	1781294	50.111	50.714	
21)	Endrin Ke...	9.001	9.470	9067766	5184751	60.852	62.924	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.862	0.000	17816	0	BelowCal	N.D.	
25)	Oxychlordane	7.346	7.711f	44848	9005	BelowCal	BelowCal	
26)	2,4'-DDE	7.413	7.935	9295441	5926418	78.596	82.917	
27)	trans-Non...	7.602	7.983f	9712978	32768	55.232	BelowCal	#
28)	2,4'-DDD	0.000	8.288	0	6157814	N.D.	99.662	#
29)	2,4'-DDT	7.961	8.509	25439	4894970	BelowCal	94.772	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 23:56
Operator : MJB
Sample : 1E14010-CCV5
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:22:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

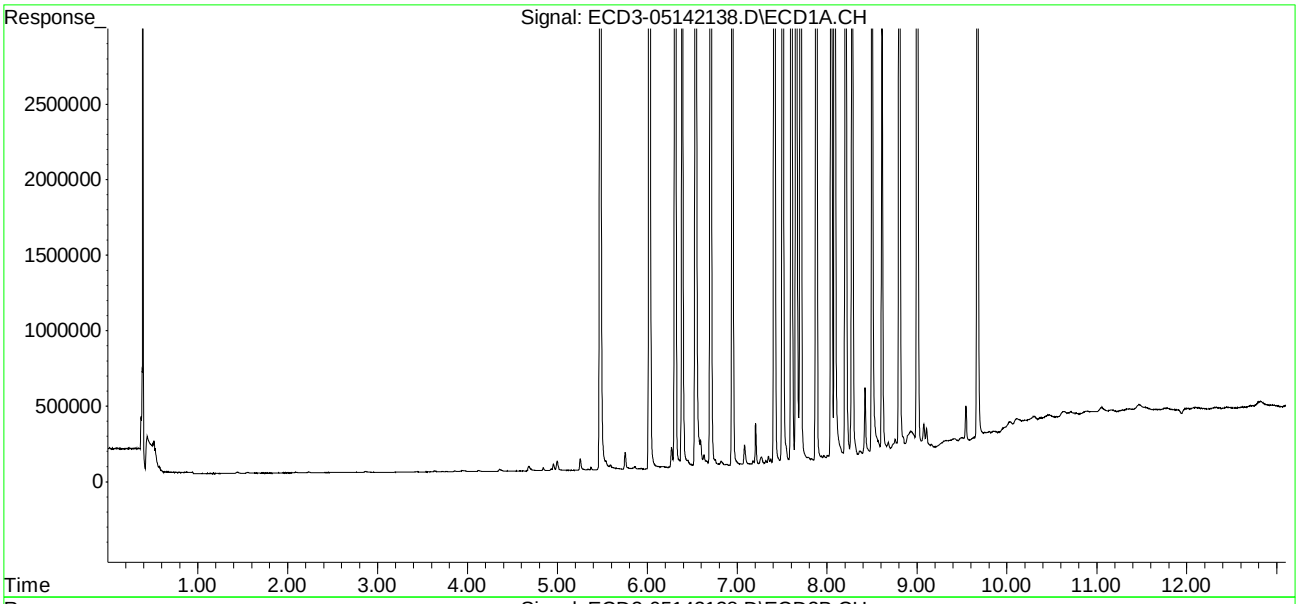
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.560	8857885	5136726	48.408	48.458	
31)	Mirex	8.755	9.470	80831	5184751	0.197	83.541	#
32)	Chlordane...	7.505	7.935	10072562	5926418	460.186	432.233	
33)	Chlordane...	7.602	8.042	9712978	5659845	438.439	479.476	
34)	Chlordane...	0.000	8.702	0	44109	N.D.	13.188	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.602	8.288	9712978	6157814	8291.342	5212.495	
37)	Toxaphene...	7.878	8.656f	10516311	4771163	5951.242	3096.416	#
38)	Toxaphene...	8.205	8.656	7916111	4771163	2102.072	2269.349	
39)	Toxaphene...	8.421	8.735	445398	38662	135.368	5.493	#
40)	Toxaphene...	8.680	8.891	66200	3941163	31.889	2051.589	#
41)	Toxaphene...	8.755	9.249	80831	1781294	31.664	945.499	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

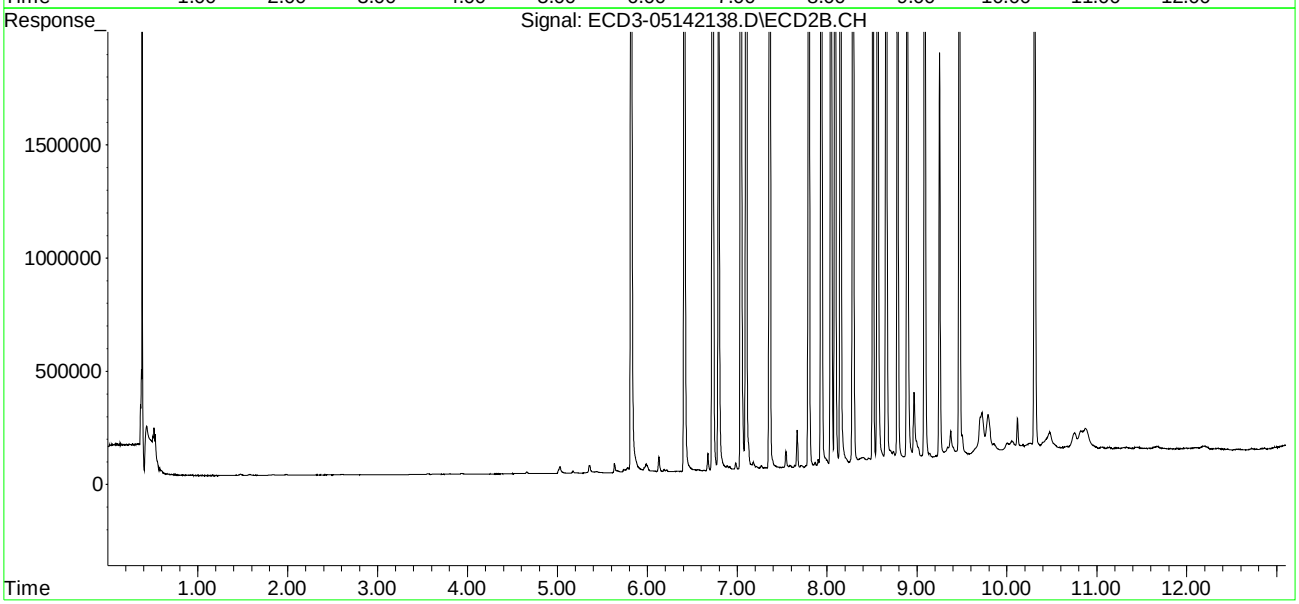
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2021 23:56
Operator : MJB
Sample : 1E14010-CCV5
Misc : A21B423, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:22:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:13
Operator : MJB
Sample : 1E14010-CCV6
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:24:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.449f	5.858f	72049	44002	0.416	0.430	
22) S	DCBP (S)	9.684	10.288f	26046	32726	0.199	0.284	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.303	0.000	18475	0	0.091	N.D.	#
4)	b-BHC	0.000	6.805	0	9777	N.D.	0.174	#
5)	Heptachlor	6.706	7.101	15607	11635	0.083	0.103	
6)	d-BHC	6.548	0.000	4198	0	0.023	N.D.	#
7)	Aldrin	6.921f	7.398f	7465	18002	0.035	0.143	#
8)	Heptachlo...	7.407	7.834f	5847790	68915	31.701	0.630	#
9)	trans-Chl...	7.504	7.924	69620	3732469	0.361	33.000	#
10)	cis-Chlor...	7.590	0.000	9134386	0	50.825	N.D.	#
11)	Endosulfa...	7.686f	8.107	68979	30435	0.402	0.304	
12)	4,4'-DDE	7.686f	0.000	68979	0	0.363	N.D.	#
13)	Dieldrin	7.872	8.295	34617	3554735	0.181	31.969	#
14)	Endrin	8.066	8.515	9678878	2734065	66.697	32.538	#
15)	4,4'-DDD	8.066f	8.559	9678878	5884909	67.025	69.621	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.498	8.900	42976	5110	0.043	8826.917	#
19)	Endosulfa...	8.835f	0.000	49252	0	0.368	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.461	0	3493192	N.D.	42.395	#
23)	Hexachlor...	3.284	3.543	8623750	6114088	51.209	51.079	
24)	Hexachlor...	5.862	6.282	8785251	5208178	51.987	52.278	
25)	Oxychlordane	7.337	7.727	7898286	4954835	53.181	56.353	
26)	2,4'-DDE	7.407	7.924	5847790	3732469	49.545	52.347	
27)	trans-Non...	7.590	8.003	9134386	5586014	51.976	54.094	
28)	2,4'-DDD	7.784	8.295	5477851	3554735	54.193	58.442	
29)	2,4'-DDT	7.964	8.515	4486837	2734065	53.156	54.789	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:13
Operator : MJB
Sample : 1E14010-CCV6
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:24:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

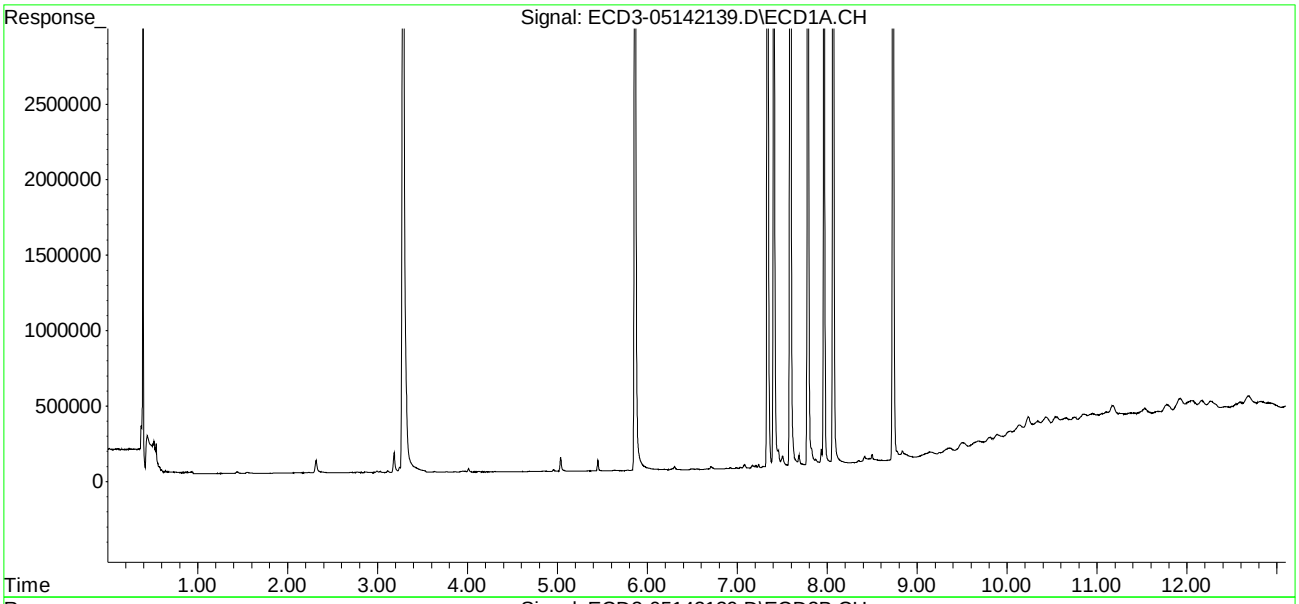
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.066	8.559	9678878	5884909	52.836	55.532	
31)	Mirex	8.731	9.461	5844683	3493192	53.083	56.114	
32)	Chlordane...	7.504	7.924	69620	3732469	3.181	272.221	#
33)	Chlordane...	7.590	0.000	9134386	0	412.321	N.D.	#
34)	Chlordane...	0.000	8.712	0	14748	N.D.	4.409	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.590	8.295f	9134386	3554735	7896.790	3009.029	#
37)	Toxaphene...	7.872	0.000	34617	0	19.590	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.456	8.712	14891	14748	0.711	BelowCal	#
40)	Toxaphene...	0.000	8.900	0	5110	N.D.	2.660	#
41)	Toxaphene...	8.731	0.000	5844683	0	1754.969	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

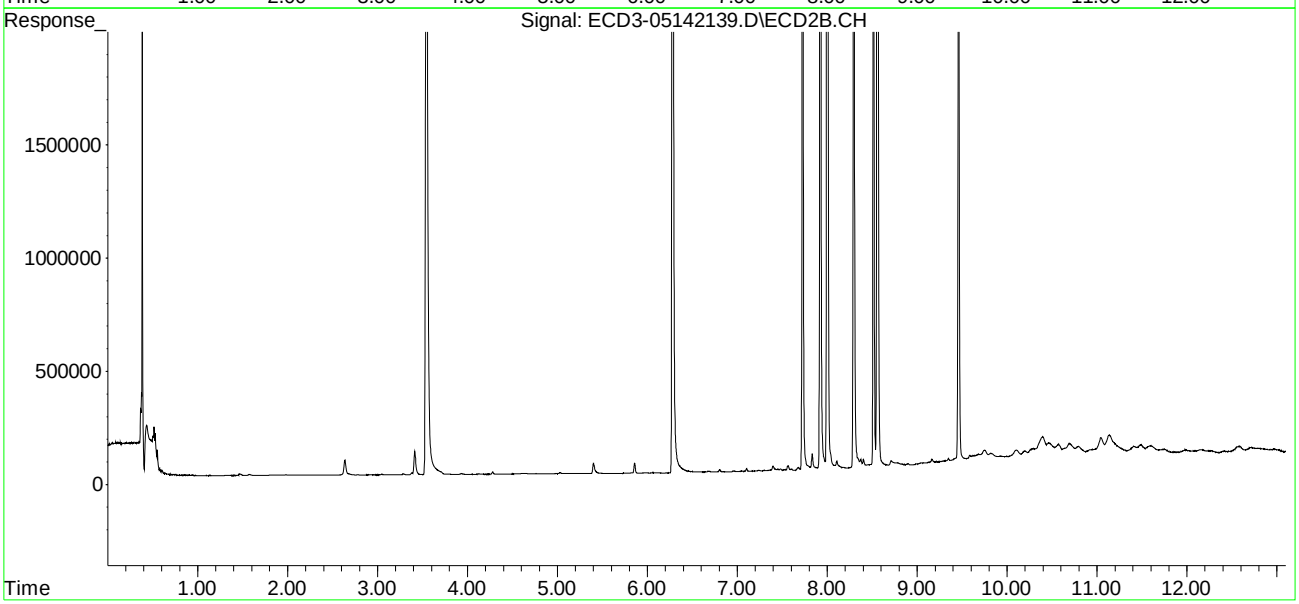
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:13
Operator : MJB
Sample : 1E14010-CCV6
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:24:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:13
Operator : MJB
Sample : 1E14010-CCV6
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 5/17/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:24:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.449f	5.858f	72049	44002	0.416	0.430	
22) S	DCBP (S)	9.684	10.288f	26046	32726	0.199	0.284	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.303	0.000	18475	0	0.091	N.D.	#
4)	b-BHC	0.000	6.805	0	9777	N.D.	0.174	#
5)	Heptachlor	6.706	7.101	15607	11635	0.083	0.103	
6)	d-BHC	6.548	0.000	4198	0	0.023	N.D.	#
7)	Aldrin	6.921f	7.398f	7465	18002	0.035	0.143	#
8)	Heptachlo...	7.407	7.834f	5847790	68915	31.701	0.630	#
9)	trans-Chl...	7.504	7.924	69620	3732469	0.361	33.000	#
10)	cis-Chlor...	7.590	0.000	9134386	0	50.825	N.D.	#
11)	Endosulfa...	7.686f	8.107	68979	30435	0.402	0.304	
12)	4,4'-DDE	7.686f	0.000	68979	0	0.363	N.D.	#
13)	Dieldrin	7.872	8.295	34617	3554735	0.181	31.969	#
14)	Endrin	8.066	8.515	9678878	2734065	66.697	32.538	#
15)	4,4'-DDD	8.066f	8.559	9678878	5884909	67.025	69.621	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.498	8.900	42976	5110	0.043	8826.917	#
19)	Endosulfa...	8.835f	0.000	49252	0	0.368	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.461	0	3493192	N.D.	42.395	#
23)	Hexachlor...	3.284	3.543	8623750	6114088	51.209	51.079	
24)	Hexachlor...	5.862	6.282	8785251	5208178	51.987	52.278	
25)	Oxychlordane	7.337	7.727	7898286	4954835	53.181	56.353	
26)	2,4'-DDE	7.407	7.924	5847790	3732469	49.545	52.347	
27)	trans-Non...	7.590	8.003	9134386	5586014	51.976	54.094	
28)	2,4'-DDD	7.784	8.295	5477851	3554735	54.193	58.442	
29)	2,4'-DDT	7.964	8.515	4486837	2734065	53.156	54.789	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:13
Operator : MJB
Sample : 1E14010-CCV6
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:24:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

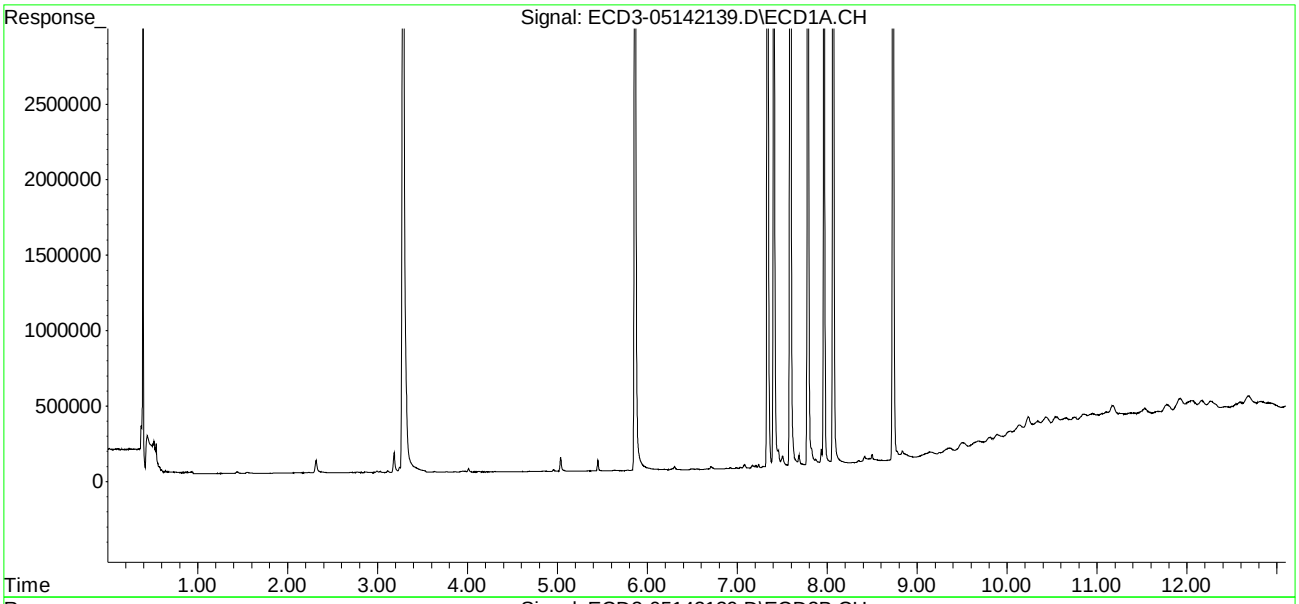
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.066	8.559	9678878	5884909	52.836	55.532	
31)	Mirex	8.731	9.461	5844683	3493192	53.083	56.114	
32)	Chlordane...	7.504	7.924	69620	3732469	3.181	272.221	#
33)	Chlordane...	7.590	0.000	9134386	0	412.321	N.D.	#
34)	Chlordane...	0.000	8.712	0	14748	N.D.	4.409	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.590	8.295f	9134386	3554735	7896.790	3009.029	#
37)	Toxaphene...	7.872	0.000	34617	0	19.590	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.456	8.712	14891	14748	0.711	BelowCal	#
40)	Toxaphene...	0.000	8.900	0	5110	N.D.	2.660	#
41)	Toxaphene...	8.731	0.000	5844683	0	1754.969	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

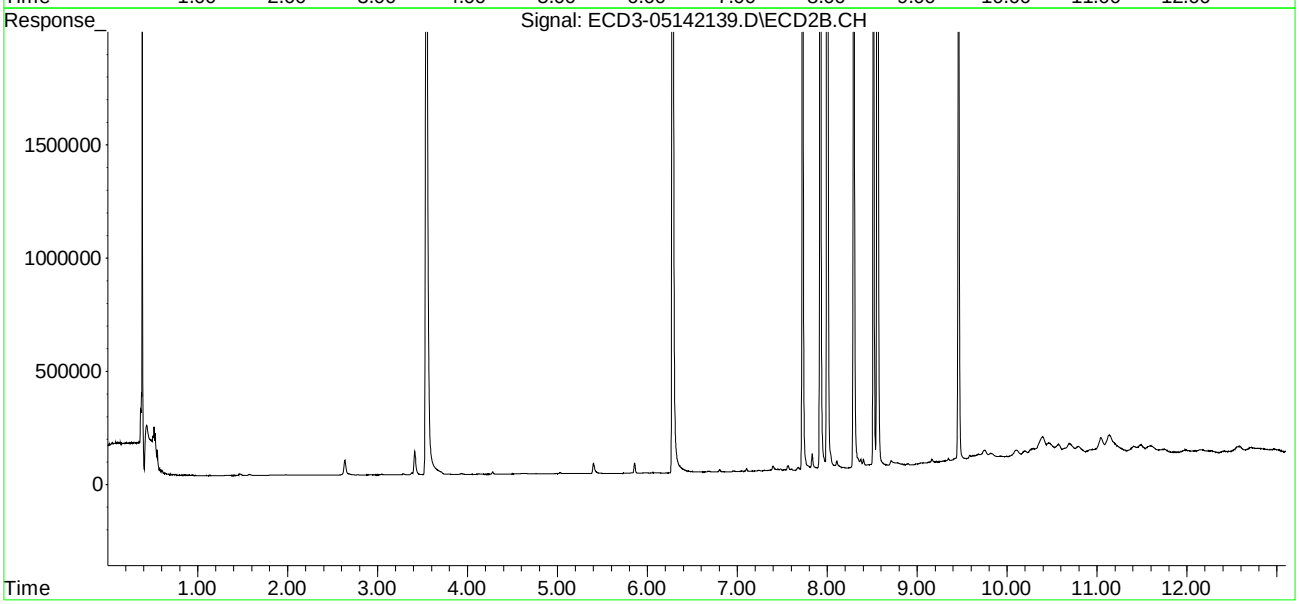
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:13
Operator : MJB
Sample : 1E14010-CCV6
Misc : A21C331, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:24:28 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:30
Operator : MJB
Sample : 1E14010-CCB3
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:25:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.820	18139930	10613946	104.627	103.692	
22) S	DCBP (S)	9.672	10.308	13398113	7013999	102.538	108.756	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	6.806	0	2680	N.D.	0.048	#
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.397f	0	7345	N.D.	0.058	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.499	7.968f	12060	5237	0.063	0.046	
10)	cis-Chlor...	7.634f	0.000	11074	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.656	8.160	8798	876	0.046	0.008	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	8.068	8.549f	3630	10370	0.025	0.123	#
15)	4,4'-DDD	8.079	8.568	3382	8668	0.023	0.103	#
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.305f	8.769f	26452	1185	0.233	0.019	#
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	8.809	0.000	1913	0	0.014	N.D.	#
20)	Methoxychlor	0.000	9.274	0	13759	N.D.	0.392	#
21)	Endrin Ke...	0.000	9.505f	0	9284	N.D.	0.113	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.862	0.000	28704	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	7.968f	0	5237	N.D.	BelowCal	
27)	trans-Non...	0.000	7.991	0	1383	N.D.	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	8.549f	0	10370	N.D.	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:30
Operator : MJB
Sample : 1E14010-CCB3
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:25:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

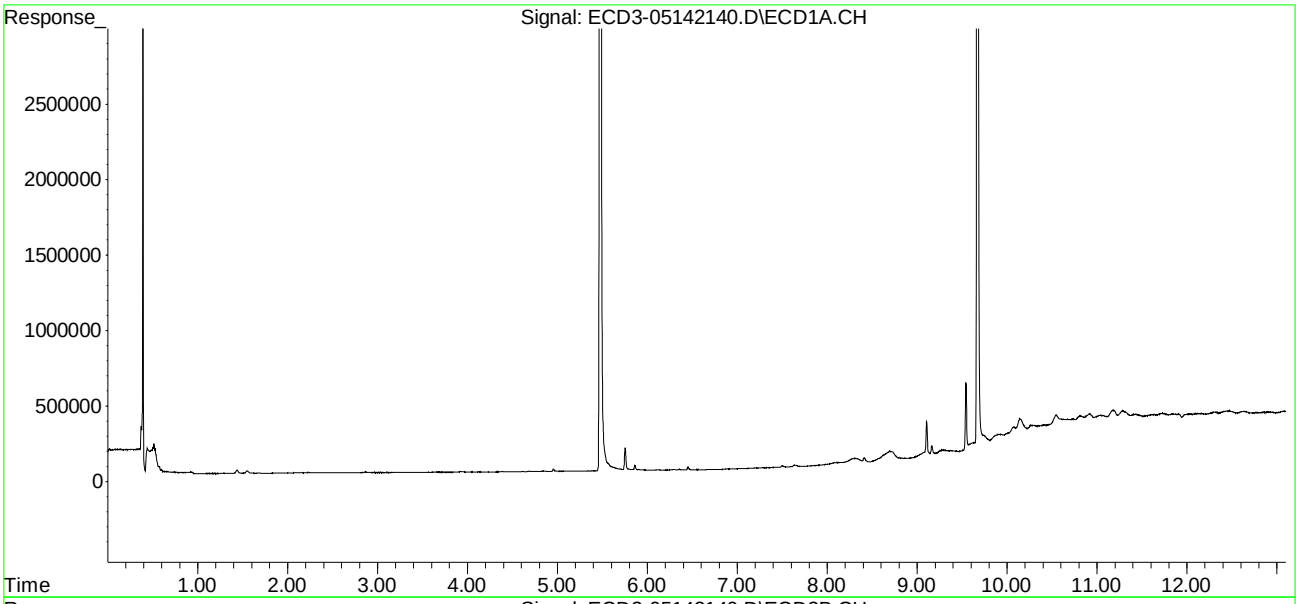
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.068	8.568	3630	8668	BelowCal	BelowCal	
31)	Mirex	8.707f	9.505f	51244	9284	BelowCal	BelowCal	
32)	Chlordane...	7.499	7.968f	12060	5237	0.551	0.382	
33)	Chlordane...	7.634f	0.000	11074	0	0.500	N.D.	#
34)	Chlordane...	8.125f	8.711	1548	18313	0.272	5.475	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	8.591f	0	3946	N.D.	6.103	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.410f	8.711	30428	18313	5.644	BelowCal	#
40)	Toxaphene...	8.701f	0.000	52017	0	25.690	N.D.	#
41)	Toxaphene...	8.707f	9.274	51244	13759	20.887	9.135	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

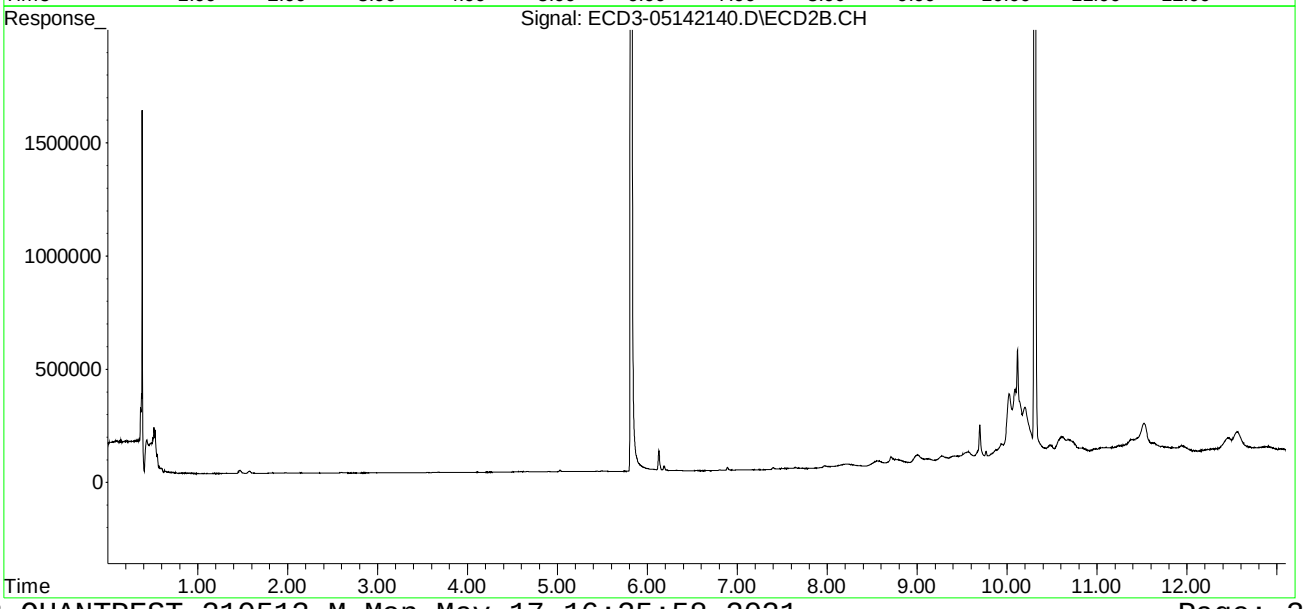
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:30
Operator : MJB
Sample : 1E14010-CCB3
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:25:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:30
Operator : MJB
Sample : 1E14010-CCB3 MJB 5/17/21
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:25:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.820	18139930	10613946	104.627	103.692	
22) S	DCBP (S)	9.672	10.308	13398113	7013999	102.538	108.756	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	6.806	0	2680	N.D.	0.048	#
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.397f	0	7345	N.D.	0.058	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.499	7.968f	12060	5237	0.063	0.046	
10)	cis-Chlor...	7.634f	0.000	11074	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.656	8.160	8798	876	0.046	0.008	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	8.068	8.549f	3630	10370	0.025	0.123	#
15)	4,4'-DDD	8.079	8.568	3382	8668	0.023	0.103	#
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.305f	8.769f	26452	1185	0.233	0.019	#
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	8.809	0.000	1913	0	0.014	N.D.	#
20)	Methoxychlor	0.000	9.274	0	13759	N.D.	0.392	#
21)	Endrin Ke...	0.000	9.505f	0	9284	N.D.	0.113	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.862	0.000	28704	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	7.968f	0	5237	N.D.	BelowCal	
27)	trans-Non...	0.000	7.991	0	1383	N.D.	BelowCal	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	8.549f	0	10370	N.D.	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:30
Operator : MJB
Sample : 1E14010-CCB3
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:25:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

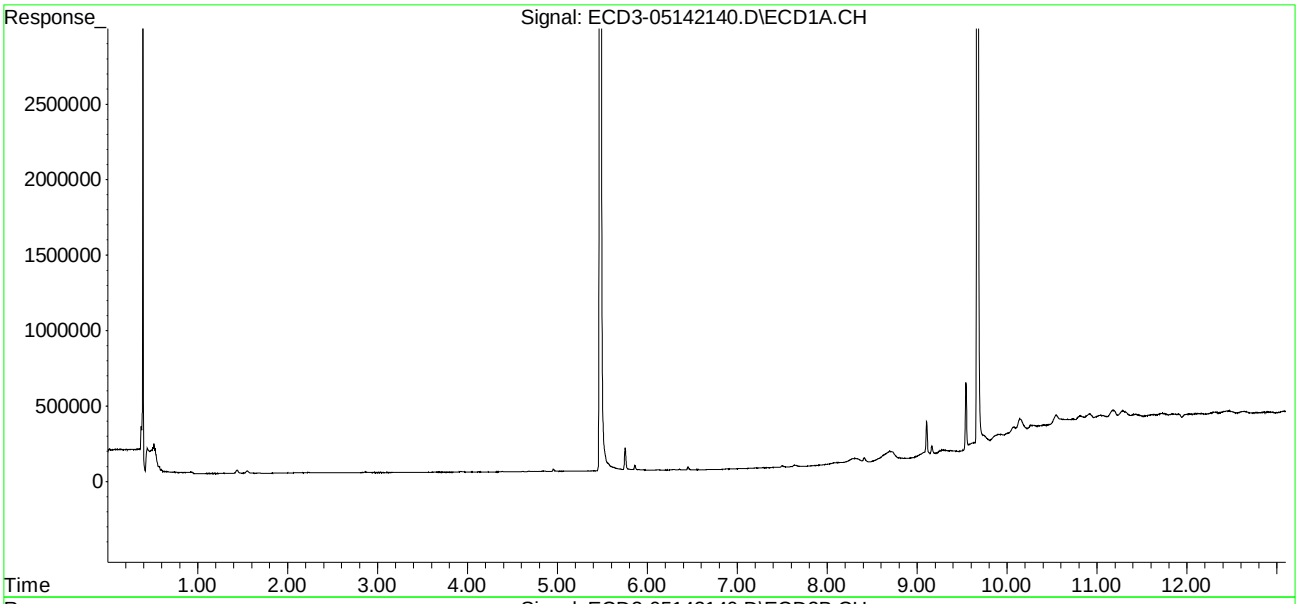
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.068	8.568	3630	8668	BelowCal	BelowCal	
31)	Mirex	8.707f	9.505f	51244	9284	BelowCal	BelowCal	
32)	Chlordane...	7.499	7.968f	12060	5237	0.551	0.382	
33)	Chlordane...	7.634f	0.000	11074	0	0.500	N.D.	#
34)	Chlordane...	8.125f	8.711	1548	18313	0.272	5.475	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	8.591f	0	3946	N.D.	6.103	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.410f	8.711	30428	18313	5.644	BelowCal	#
40)	Toxaphene...	8.701f	0.000	52017	0	25.690	N.D.	#
41)	Toxaphene...	8.707f	9.274	51244	13759	20.887	9.135	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

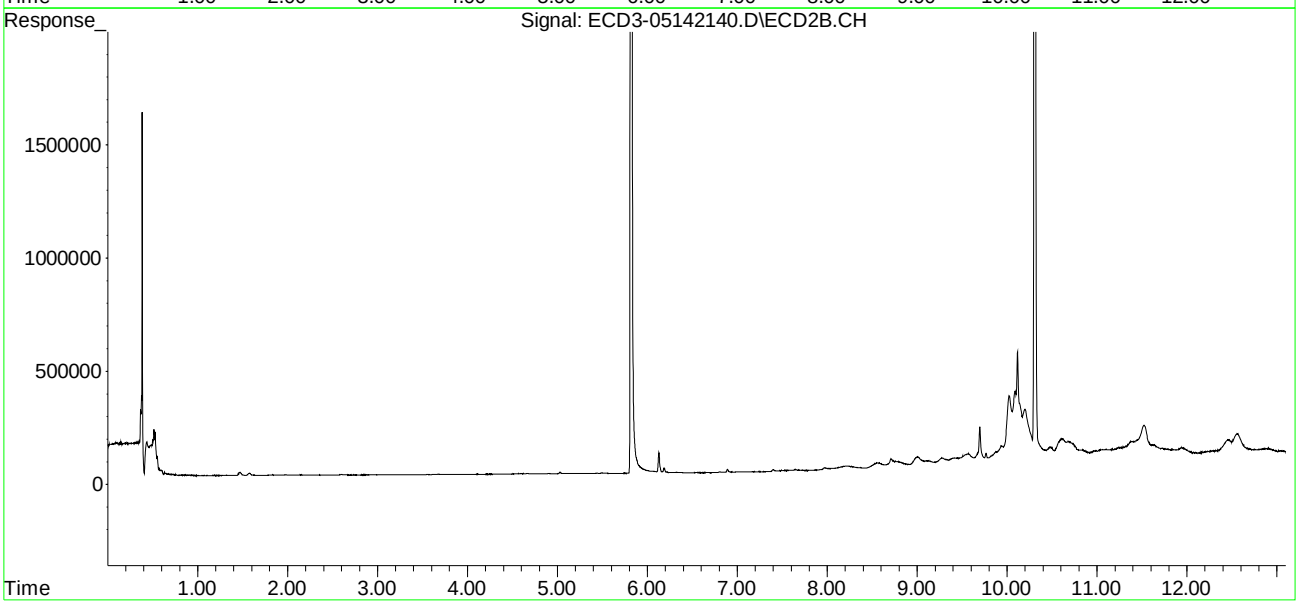
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-05\1E14010\
Data File : ECD3-05142140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2021 0:30
Operator : MJB
Sample : 1E14010-CCB3
Misc : A21E029
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 17 16:25:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210513.M
Quant Title : Instrument: DualECD3
QLast Update : Fri May 14 12:22:43 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





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

Organochlorine Pesticides by EPA 8081B
Calibration Data

Sequence 1B22071 (Cal ID A1B2503) DUALECD8

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **1B22071** Instrument: **DUALECD8**

Date: **02/22/21 18:04** Calibration: **A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1B22071-BKD1	Water	QC	QC				A20K279
2	1B22071-ICB1	Water	QC	QC				A21B195
3	1B22071-CAL1	Water	QC	QC				A21B425
4	1B22071-CAL2	Water	QC	QC				A21B426
5	1B22071-CAL3	Water	QC	QC				A21B419
6	1B22071-CAL4	Water	QC	QC				A21B420
7	1B22071-CAL5	Water	QC	QC				A21B421
8	1B22071-CAL6	Water	QC	QC				A21B422
9	1B22071-CAL7	Water	QC	QC				A21B423
10	1B22071-CAL8	Water	QC	QC				A21B424
11	1B22071-CAL9	Water	QC	QC				A21B418
12	1B22071-IBL1	Water	QC	QC				
13	1B22071-ICV1	Water	QC	QC				A20I130
14	1B22071-CALA	Water	QC	QC				A21B427
15	1B22071-CALB	Water	QC	QC				A20I180
16	1B22071-CALC	Water	QC	QC				A20I181
17	1B22071-CALD	Water	QC	QC				A20I182
18	1B22071-CALE	Water	QC	QC				A20I183
19	1B22071-CALF	Water	QC	QC				A20I184
20	1B22071-CALG	Water	QC	QC				A21A187
21	1B22071-CALH	Water	QC	QC				A21A188
22	1B22071-CALI	Water	QC	QC				A20I179
23	1B22071-IBL2	Water	QC	QC				
24	1B22071-ICV2	Water	QC	QC				A20I187
25	1B22071-CALJ	Water	QC	QC				A21B428
26	1B22071-CALK	Water	QC	QC				A20L139
27	1B22071-CALL	Water	QC	QC				A20L140
28	1B22071-CALM	Water	QC	QC				A20L141
29	1B22071-CALN	Water	QC	QC				A20L142
30	1B22071-CALO	Water	QC	QC				A20L143
31	1B22071-CALP	Water	QC	QC				A20L138
32	1B22071-IBL3	Water	QC	QC				
33	1B22071-ICV3	Water	QC	QC				A20L144
34	1B22071-CALQ	Water	QC	QC				A21B429
35	1B22071-CALR	Water	QC	QC				A20K260
36	1B22071-CALS	Water	QC	QC				A20K261
37	1B22071-CALT	Water	QC	QC				A20K262
38	1B22071-CALU	Water	QC	QC				A20K263
39	1B22071-CALV	Water	QC	QC				A20K264
40	1B22071-CALW	Water	QC	QC				A20K259
41	1B22071-IBL4	Water	QC	QC				
42	1B22071-ICV4	Water	QC	QC				A20K265

ICAL

Data Entered By/Date: MJB 2/25/21

Data Reviewed By/Date: MKZ 2/25/2021

Comments: CAL1, 2, A, J, Q had low levels of pesticide stock contamination. Cal points were remade and analyzed with/in 2 hours of the start of the run. See sequence 1B25056.

Sequence:	**1B22071**	Instrument:	**DUALECD8**
Date:	**02/22/21 18:04**	Calibration:	**A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID

Calibration Status Report DUALECD8

A1B2503

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_210222.M
Title : Instrument: DualECD8
Last Update : Tue Feb 23 15:33:30 2021
Response Via : Initial Calibration

MJB 2/25/21

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222154.D
2	2	50	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222138.D
3	3	100	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222139.D
4	4	200	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222140.D
5	5	500	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222141.D
6	6	1000	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222142.D
7	7	2000	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222143.D
8	8	-1	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222124.D
9	9	-1	0	C:\msdchem\1\data\2021-02\1B22071\ECD8-02222125.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Feb 23 15:32 2021	Feb 23 15:24 2021	23 Feb 2021 14:01
2	2	Feb 23 15:32 2021	Feb 23 10:24 2021	23 Feb 2021 4:22
3	3	Feb 23 15:32 2021	Feb 23 10:25 2021	23 Feb 2021 4:38
4	4	Feb 23 15:33 2021	Feb 23 10:25 2021	23 Feb 2021 4:54
5	5	Feb 23 15:33 2021	Feb 23 09:55 2021	23 Feb 2021 5:10
6	6	Feb 23 15:33 2021	Feb 23 10:26 2021	23 Feb 2021 5:27
7	7	Feb 23 15:33 2021	Feb 23 10:27 2021	23 Feb 2021 5:43
8	8	Feb 23 15:30 2021	Feb 23 10:15 2021	23 Feb 2021 00:35
9	9	Feb 23 15:30 2021	Feb 23 10:15 2021	23 Feb 2021 00:51

ECD8_QUANTPEST_210222.M Wed Feb 24 18:26:22 2021

Response Factor Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_210222.M
Title : Instrument: DualECD8
Last Update : Tue Feb 23 15:33:30 2021
Response Via : Initial Calibration

MJB 2/25/21

Calibration Files
1 =ECD8-02222154.D 2 =ECD8-02222138.D 3 =ECD8-02222139.D 4 =ECD8-02222140.D
5 =ECD8-02222141.D 6 =ECD8-02222142.D 7 =ECD8-02222143.D 8 =ECD8-02222124.D
9 =ECD8-02222125.D

		Compound	1	2	3	4	5	6	7	8	9	Avg		%RSD
1)	S	TCMX (S)	3.511	3.090	3.285	3.191	3.205	3.184	3.068	3.158	3.164	3.206	E6	4.08
2)		a-BHC	4.445	3.881	4.221	4.259	4.314	4.223	4.149	4.379	4.426	4.255	E6	4.05
3)		g-BHC	3.748	3.048	3.630	3.591	3.734	3.669	3.652	3.813	3.784	3.630	E6	6.34
4)		b-BHC	1.946	1.534	1.556	1.460	1.464	1.468	1.526	1.564	1.557	1.564	E6	9.55
5)		Heptachlor	3.685	3.087	3.406	3.450	3.501	3.309	3.373	3.540	3.512	3.429	E6	4.90
6)		d-BHC	3.458	2.813	3.280	3.190	3.287	3.369	3.539	3.724	3.724	3.376	E6	8.41
7)		Aldrin	3.446	3.003	3.421	3.444	3.539	3.527	3.516	3.542	3.502	3.438	E6	4.92
8)		Heptachlor Exp...	3.735	3.126	3.167	3.045	3.084	2.987	3.041	3.130	3.069	3.154	E6	7.13
9)		trans-Chlordane	3.554	3.088	3.257	3.121	3.189	3.183	3.119	3.261	3.223	3.221	E6	4.31
10)		cis-Chlordane	3.555	3.067	3.215	3.132	3.159	3.078	2.970	3.098	3.097	3.152	E6	5.24
11)		Endosulfan I	3.274	2.868	2.964	2.772	2.871	2.798	2.789	2.891	2.873	2.900	E6	5.26
12)		4,4'-DDE	4.200	3.407	3.287	3.229	3.439	3.385	3.363	3.382	3.297	3.443	E6	8.46
13)		Dieldrin	3.485	2.975	3.193	3.145	3.258	3.158	3.128	3.164	3.041	3.172	E6	4.52
14)		Endrin	2.622	2.264	2.592	2.570	2.700	2.555	2.655	2.749	2.576	2.587	E6	5.31
15)		4,4'-DDD	3.139	2.575	2.602	2.594	2.692	2.676	2.655	2.703	2.722	2.707	E6	6.29
16)		Endosulfan II	2.729	2.262	2.508	2.456	2.511	2.517	2.547	2.564	2.552	2.516	E6	4.83
17)		4,4'-DDT	2.560	2.143	2.330	2.302	2.435	2.445	2.528	2.706	2.614	2.451	E6	7.08
18)		Endrin Aldehyde	.	.	3.536	2.368	2.390	2.299	2.220	2.296	2.344	2.493	E6	18.58
19)		Endosulfan Sul...	2.883	2.314	2.569	2.328	2.531	2.475	2.453	2.507	2.451	2.501	E6	6.66
20)		Methoxychlor	1.333	1.092	1.318	1.229	1.258	1.241	1.253	1.268	1.268	1.251	E6	5.48
21)		Endrin Ketone	3.428	2.916	3.040	2.809	2.932	2.947	2.859	2.970	2.909	2.979	E6	6.06
22)	S	DCBP (S)	3.109	2.655	2.431	1.987	2.065	2.040	1.889	1.992	1.796	2.218	E6	19.36
23)		Hexachlorobuta...	3.998	3.849	3.479	3.383	3.382	3.257	3.395	3.109	3.436	3.476	E6	8.01
24)		Hexachlorobenzene	3.150	3.774	3.213	3.446	3.047	3.136	3.104	3.157	3.315	3.260	E6	6.96
25)		Oxychlordane	2.932	3.178	2.655	2.828	2.597	2.625	2.596	2.640	2.767	2.758	E6	7.09
26)		2,4'-DDE	2.386	2.601	2.201	2.369	2.073	2.130	2.107	2.147	2.102	2.235	E6	7.99
27)		trans-Nonachlor	3.277	3.696	3.060	3.367	2.980	3.045	3.003	3.120	3.058	3.178	E6	7.32

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_210222.M
Title : Instrument: DualECD8
Last Update : Tue Feb 23 15:33:30 2021

28)		2,4'-DDD	1.985	2.271	1.842	2.018	1.729	1.799	1.751	1.810	1.849	1.895 E6	9.03
29)		2,4'-DDT	1.889	2.239	1.930	2.076	1.865	1.932	2.009	2.077	2.134	2.017 E6	6.18
30)		cis-Nonachlor	3.312	3.846	3.213	3.596	3.056	3.314	3.117	3.285	3.462	3.356 E6	7.34
31)		Mirex	2.529	2.639	2.166	2.253	1.802	2.006	1.800	1.970	2.022	2.132 E6	13.92
32)		Chlordane (1)	3.436	3.570	3.385	3.304	3.619	3.510	3.661			3.498 E5	3.71
33)		Chlordane (2)	3.741	3.605	3.285	3.349	3.551	3.368	3.435			3.476 E5	4.67
34)		Chlordane (3)	1.049	1.056	1.000	1.009	1.103	1.082	1.084			1.055 E5	3.68
35)		Chlordane - AVE										0.000	-1.00
36)		Toxaphene (1)	1.575	1.736	1.440	1.324	1.396	1.365	1.308			1.449 E4	10.69
37)		Toxaphene (2)	3.312	3.810	2.964	2.931	3.058	2.913	2.730			3.103 E4	11.54
38)		Toxaphene (3)	5.417	6.058	5.610	5.609	5.946	6.033	5.732			5.772 E4	4.25
39)		Toxaphene (4)	6.828	6.462	5.961	6.029	6.290	6.380	6.207			6.308 E4	4.61
40)		Toxaphene (5)	4.001	4.898	4.547	4.767	4.866	5.187	4.996			4.752 E4	8.10
41)		Toxaphene (6)	5.000	5.589	5.305	5.341	5.436	5.622	5.417			5.387 E4	3.85
42)		Toxaphene - AVE										0.000	-1.00

Signal #2 Calibration Files

1 =ECD8-02222154.D 2 =ECD8-02222138.D 3 =ECD8-02222139.D
4 =ECD8-02222140.D 5 =ECD8-02222141.D 6 =ECD8-02222142.D

	Compound	1	2	3	4	5	6	Avg		%RSD
44) S	TCMX (S) #2	3.721	3.172	3.238	3.155	3.263	3.310	3.361	3.581	3.836	3.404 E6	7.29
45)	a-BHC #2	4.410	3.945	4.013	4.237	4.446	4.601	4.764	5.087	5.282	4.532 E6	10.03
46)	g-BHC #2	3.969	3.438	3.574	3.634	3.817	3.921	3.986	4.334	4.472	3.905 E6	8.71
47)	b-BHC #2	2.279	1.839	1.795	1.659	1.646	1.660	1.697	1.806	1.839	1.802 E6	10.86
48)	Heptachlor #2	3.868	3.366	3.359	3.496	3.597	3.447	3.747	4.093	4.214	3.688 E6	8.53
49)	d-BHC #2	3.862	3.349	3.577	3.603	3.595	3.868	4.056	4.361	4.596	3.874 E6	10.43
50)	Aldrin #2	3.326	3.034	3.252	3.300	3.437	3.620	3.674	3.911	4.100	3.517 E6	9.66
51)	Heptachlor Exp...	3.733	3.174	3.078	3.049	3.089	3.216	3.274	3.577	3.593	3.309 E6	7.77
52)	trans-Chlordan...	3.678	3.099	3.234	3.112	3.236	3.265	3.388	3.575	3.753	3.371 E6	7.21
53)	cis-Chlordane #2	3.671	3.054	3.174	2.959	3.016	3.187	3.143	3.416	3.561	3.242 E6	7.71
54)	Endosulfan I #2	3.329	2.860	2.834	2.743	2.839	3.020	3.013	3.199	3.251	3.010 E6	6.95
55)	4,4'-DDE #2	3.832	3.206	3.177	3.228	3.380	3.542	3.601	3.846	3.820	3.515 E6	7.93
56)	Dieldrin #2	3.429	2.913	3.041	3.025	3.182	3.351	3.420	3.597	3.644	3.289 E6	7.94
57)	Endrin #2	2.610	2.122	2.355	2.415	2.536	2.563	2.734	3.045	3.068	2.605 E6	11.85

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_210222.M
Title : Instrument: DualECD8
Last Update : Tue Feb 23 15:33:30 2021

58)		4,4'-DDD #2	3.093	2.541	2.608	2.511	2.703	2.814	2.971	3.063	3.124	2.825 E6	8.68
59)		Endosulfan II #2	2.857	2.357	2.553	2.421	2.527	2.695	2.689	2.915	3.022	2.671 E6	8.52
60)		4,4'-DDT #2	2.670	2.175	2.201	2.276	2.393	2.534	2.685	3.019	3.008	2.551 E6	12.58
61)		Endrin Aldehyd...	4.163	3.342	3.403	2.401	2.377	2.374	2.364	2.512	2.603	2.838 E6	22.74
62)		Endosulfan Sul...	3.005	2.422	2.631	2.385	2.557	2.594	2.690	2.860	2.875	2.669 E6	7.88
63)		Methoxychlor #2	1.414	1.184	1.310	1.215	1.253	1.247	1.327	1.462	1.431	1.316 E6	7.63
64)		Endrin Ketone #2	4.565	3.277	2.857	2.649	2.894	3.023	3.022	3.248	3.348	3.209 E6	17.31
65)	S	DCBP (S) #2	2.335	1.992	1.961	1.623	1.729	1.824	1.715	1.819	1.708	1.856 E6	11.64
66)		Hexachlorobuta...	4.518	4.234	3.793	3.680	3.822	3.757	4.077	3.861	4.340	4.009 E6	7.38
67)		Hexachlorobenz...	3.564	4.090	3.326	3.521	3.215	3.412	3.567	3.650	3.972	3.591 E6	7.92
68)		Oxychlordane #2	3.120	3.293	2.732	2.902	2.626	2.793	2.810	3.006	3.177	2.940 E6	7.59
69)		2,4'-DDE #2	2.379	2.528	2.200	2.286	2.067	2.240	2.284	2.441	2.497	2.324 E6	6.45
70)		trans-Nonachlo...	3.526	3.711	3.098	3.372	2.996	3.252	3.206	3.458	3.650	3.363 E6	7.29
71)		2,4'-DDD #2	2.251	2.566	1.940	2.010	1.755	1.946	1.898	2.101	2.198	2.074 E6	11.57
72)		2,4'-DDT #2	2.024	2.379	1.902	2.049	1.797	2.029	2.101	2.250	2.408	2.104 E6	9.79
73)		cis-Nonachlor #2	3.742	3.968	3.277	3.473	3.120	3.489	3.399	3.803	4.030	3.589 E6	8.72
74)		Mirex #2	3.412	2.873	2.218	2.237	1.759	1.975	1.814	2.087	2.176	2.283 E6	23.32
75)		Chlordane (1) #2	3.758	3.814	3.698	3.784	4.313	4.256	4.630			4.036 E5	8.95
76)		Chlordane (2) #2	3.290	3.257	3.069	3.126	3.569	3.623	3.684			3.374 E5	7.37
77)		Chlordane (3) #2	2.092	1.190	1.017	1.024	1.098	1.134	1.151			1.244 E5	30.52
78)		Chlordane - AV...										0.000	-1.00
79)		Toxaphene (1) #2	3.553	3.373	3.107	3.022	3.027	3.069	3.038			3.170 E4	6.59
80)		Toxaphene (2) #2	3.949	3.922	3.725	3.699	3.849	3.990	3.883			3.860 E4	2.87
81)		Toxaphene (3) #2	6.384	5.946	5.410	5.397	5.693	5.869	5.731			5.776 E4	5.89
82)		Toxaphene (4) #2	1.223	0.917	0.903	0.896	0.951	0.993	0.986			0.981 E5	11.54
83)		Toxaphene (5) #2	7.392	6.156	5.204	5.304	5.582	5.757	5.777			5.882 E4	12.54
84)		Toxaphene (6) #2	5.713	5.711	5.401	5.399	5.665	6.068	6.228			5.741 E4	5.44
85)		Toxaphene - AV...										0.000	-1.00

(#) = Out of Range

Compound List Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_210222.M
Title : Instrument: DualECD8
Last Update : Tue Feb 23 15:33:30 2021
Response Via : Initial Calibration

MJB 2/25/21

Total Cpnds : 85

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.675	1.000	A	H	R
2		a-BHC	6.228	1.000	A	H	R
3		g-BHC	6.515	1.000	A	H	R
4		b-BHC	6.593	1.000	A	H	R
5		Heptachlor	6.913	1.000	A	H	R
6		d-BHC	6.746	1.000	A	H	R
7		Aldrin	7.156	1.000	A	H	R
8		Heptachlor Expoxide	7.627	1.000	A	H	R
9		trans-Chlordane	7.720	1.000	A	H	R
10		cis-Chlordane	7.817	1.000	A	H	R
11		Endosulfan I	7.922	1.000	A	H	R
12		4,4'-DDE	7.867	1.000	A	H	R
13		Dieldrin	8.096	1.000	A	H	R
14		Endrin	8.268	1.000	A	H	R
15		4,4'-DDD	8.300	1.000	A	H	R
16		Endosulfan II	8.429	1.000	A	H	R
17		4,4'-DDT	8.497	1.000	A	H	R
18		Endrin Aldehyde	8.727	1.000	Q	H	R
19		Endosulfan Sulfate	9.035	1.000	A	H	R
20		Methoxychlor	8.827	1.000	A	H	R
21		Endrin Ketone	9.237	1.000	A	H	R
22	S	DCBP (S)	9.908	1.000	Q	H	R
23		Hexachlorobutadiene	3.463	1.000	A	H	R
24		Hexachlorobenzene	6.062	1.000	A	H	R
25		Oxychlordane	7.550	1.000	A	H	R
26		2,4'-DDE	7.615	1.000	A	H	R
27		trans-Nonachlor	7.804	1.000	A	H	R
28		2,4'-DDD	7.998	1.000	A	H	R
29		2,4'-DDT	8.179	1.000	A	H	R
30		cis-Nonachlor	8.286	1.000	A	H	R
31		Mirex	8.961	1.000	Q	H	R
32		Chlordane (1)	7.720	1.000	A	H	R
33		Chlordane (2)	7.816	1.000	A	H	R
34		Chlordane (3)	8.380	1.000	A	H	R
35		Chlordane - AVE	0.219	1.000	A	H	R
36		Toxaphene (1)	7.802	1.000	Q	H	R
37		Toxaphene (2)	8.100	1.000	Q	H	R
38		Toxaphene (3)	8.422	1.000	A	H	R
39		Toxaphene (4)	8.661	1.000	A	H	R
40		Toxaphene (5)	8.897	1.000	A	H	R
41		Toxaphene (6)	8.968	1.000	A	H	R
42		Toxaphene - AVE	0.219	1.000	A	H	R
43		Signal #2	0.219	1.000	A	H	R
44	S	TCMX (S) #2	6.055	1.000	A	H	R
45		a-BHC #2	6.651	1.000	A	H	R
46		g-BHC #2	6.967	1.000	A	H	R
47		b-BHC #2	7.030	1.000	Q	H	R
48		Heptachlor #2	7.341	1.000	A	H	R
49		d-BHC #2	7.280	1.000	Q	H	R
50		Aldrin #2	7.606	1.000	A	H	R
51		Heptachlor Expoxide #2	8.041	1.000	A	H	R
52		trans-Chlordane #2	8.181	1.000	A	H	R
53		cis-Chlordane #2	8.289	1.000	A	H	R
54		Endosulfan I #2	8.340	1.000	A	H	R
55		4,4'-DDE #2	8.389	1.000	A	H	R
56		Dieldrin #2	8.540	1.000	A	H	R

57		Endrin #2	8.765	1.000		Q	H	R
58		4,4'-DDD #2	8.805	1.000		A	H	R
59		Endosulfan II #2	8.912	1.000		A	H	R
60		4,4'-DDT #2	9.031	1.000		Q	H	R
61		Endrin Aldehyde #2	9.148	1.000		Q	H	R
62		Endosulfan Sulfate #2	9.344	1.000		A	H	R
63		Methoxychlor #2	9.500	1.000		A	H	R
64		Endrin Ketone #2	9.741	1.000		Q	H	R
65	S	DCBP (S) #2	10.604	1.000		Q	H	R
66		Hexachlorobutadiene #2	3.770	1.000		A	H	R
67		Hexachlorobenzene #2	6.519	1.000		A	H	R
68		Oxychlordane #2	7.973	1.000		A	H	R
69		2,4'-DDE #2	8.166	1.000		A	H	R
70		trans-Nonachlor #2	8.248	1.000		A	H	R
71		2,4'-DDD #2	8.540	1.000		Q	H	R
72		2,4'-DDT #2	8.764	1.000		A	H	R
73		cis-Nonachlor #2	8.812	1.000		A	H	R
74		Mirex #2	9.732	1.000		Q	H	R
75		Chlordane (1) #2	8.183	1.000		A	H	R
76		Chlordane (2) #2	8.290	1.000		A	H	R
77		Chlordane (3) #2	8.952	1.000		Q	H	R
78		Chlordane - AVE #2	0.219	1.000		A	H	R
79		Toxaphene (1) #2	8.519	1.000		A	H	R
80		Toxaphene (2) #2	8.871	1.000		A	H	R
81		Toxaphene (3) #2	8.904	1.000		A	H	R
82		Toxaphene (4) #2	8.972	1.000		Q	H	R
83		Toxaphene (5) #2	9.151	1.000		Q	H	R
84		Toxaphene (6) #2	9.528	1.000		A	H	R
85		Toxaphene - AVE #2	0.219	1.000		A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD8_QUANTPEST_210222.M Wed Feb 24 18:33:07 2021

Calibration Report DUALECD8

Method Path : C:\msdchem\1\methods\
Method File : ECD8_QUANTPEST_210222.M
Title : Instrument: DualECD8
Last Update : Tue Feb 23 15:33:30 2021
Response Via : Initial Calibration

MJB 2/25/21

Calibration Files
1 =ECD8-02222154 2 =ECD8-02222138 3 =ECD8-02222139 4 =ECD8-02222140 5 =ECD8-0
6 =ECD8-02222142 7 =ECD8-02222143 8 =ECD8-02222124 9 =ECD8-02222125

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.2063 e6	-----	0.0408
2)	a-BHC	Avg	-----	4.2552 e6	-----	0.0405
3)	g-BHC	Avg	-----	3.6300 e6	-----	0.0634
4)	b-BHC	Avg	-----	1.5640 e6	-----	0.0955
5)	Heptachlor	Avg	-----	3.4292 e6	-----	0.0490
6)	d-BHC	Avg	-----	3.3758 e6	-----	0.0841
7)	Aldrin	Avg	-----	3.4377 e6	-----	0.0492
8)	Heptachlor Expoxide	Avg	-----	3.1537 e6	-----	0.0713
9)	trans-Chlordane	Avg	-----	3.2214 e6	-----	0.0431
10)	cis-Chlordane	Avg	-----	3.1522 e6	-----	0.0524
11)	Endosulfan I	Avg	-----	2.8999 e6	-----	0.0526
12)	4,4'-DDE	Avg	-----	3.4432 e6	-----	0.0846
13)	Dieldrin	Avg	-----	3.1720 e6	-----	0.0452
14)	Endrin	Avg	-----	2.5870 e6	-----	0.0531
15)	4,4'-DDD	Avg	-----	2.7065 e6	-----	0.0629
16)	Endosulfan II	Avg	-----	2.5164 e6	-----	0.0483
17)	4,4'-DDT	Avg	-----	2.4515 e6	-----	0.0708
18)	Endrin Aldehyde	Quad	2.7803 e6	2.0578 e6	1.5677 e3	0.9960
19)	Endosulfan Sulfate	Avg	-----	2.5012 e6	-----	0.0666
20)	Methoxychlor	Avg	-----	1.2510 e6	-----	0.0548
21)	Endrin Ketone	Avg	-----	2.9788 e6	-----	0.0606
22) S	DCBP (S)	Quad	5.7168 e5	2.0179 e6	-1.0450 e3	0.9976
23)	Hexachlorobutadiene	Avg	-----	3.4764 e6	-----	0.0801
24)	Hexachlorobenzene	Avg	-----	3.2602 e6	-----	0.0696
25)	Oxychlordane	Avg	-----	2.7575 e6	-----	0.0709
26)	2,4'-DDE	Avg	-----	2.2349 e6	-----	0.0799
27)	trans-Nonachlor	Avg	-----	3.1784 e6	-----	0.0732
28)	2,4'-DDD	Avg	-----	1.8949 e6	-----	0.0903
29)	2,4'-DDT	Avg	-----	2.0169 e6	-----	0.0618
30)	cis-Nonachlor	Avg	-----	3.3556 e6	-----	0.0734
31)	Mirex	Quad	3.5259 e5	1.9839 e6	-9.1411 e1	0.9901
32)	Chlordane (1)	Avg	-----	3.4979 e5	-----	0.0371
33)	Chlordane (2)	Avg	-----	3.4762 e5	-----	0.0467
34)	Chlordane (3)	Avg	-----	1.0549 e5	-----	0.0368
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Quad	1.3629 e4	1.4760 e4	-0.9741	0.9922
37)	Toxaphene (2)	Quad	1.7940 e4	3.2137 e4	-2.6572	0.9905
38)	Toxaphene (3)	Avg	-----	5.7721 e4	-----	0.0425
39)	Toxaphene (4)	Avg	-----	6.3081 e4	-----	0.0461
40)	Toxaphene (5)	Avg	-----	4.7517 e4	-----	0.0810
41)	Toxaphene (6)	Avg	-----	5.3871 e4	-----	0.0385
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	3.4041 e6	-----	0.0729
2)	a-BHC	Avg	-----	4.5317 e6	-----	0.1003
3)	g-BHC	Avg	-----	3.9050 e6	-----	0.0871
4)	b-BHC	Quad	3.1547 e5	1.6090 e6	1.3171 e3	0.9991
5)	Heptachlor	Avg	-----	3.6876 e6	-----	0.0853
6)	d-BHC	Quad	3.6682 e4	3.6125 e6	5.6225 e3	0.9977
7)	Aldrin	Avg	-----	3.5171 e6	-----	0.0966

8)	Heptachlor Expoxide	Avg	-----	3.3092 e6	-----	0.0777
9)	trans-Chlordane	Avg	-----	3.3711 e6	-----	0.0721
10)	cis-Chlordane	Avg	-----	3.2423 e6	-----	0.0771
11)	Endosulfan I	Avg	-----	3.0097 e6	-----	0.0695
12)	4,4'-DDE	Avg	-----	3.5146 e6	-----	0.0793
13)	Dieldrin	Avg	-----	3.2892 e6	-----	0.0794
14)	Endrin	Quad	-5.6913 e3	2.4401 e6	3.8351 e3	0.9950
15)	4,4'-DDD	Avg	-----	2.8254 e6	-----	0.0868
16)	Endosulfan II	Avg	-----	2.6707 e6	-----	0.0852
17)	4,4'-DDT	Quad	8.5599 e4	2.3275 e6	4.2742 e3	0.9940
18)	Endrin Aldehyde	Quad	9.3842 e5	2.3956 e6	8.6865 e2	0.9902
19)	Endosulfan Sulfate	Avg	-----	2.6687 e6	-----	0.0788
20)	Methoxychlor	Avg	-----	1.3157 e6	-----	0.0763
21)	Endrin Ketone	Quad	8.5671 e5	2.6596 e6	4.1379 e3	0.9940
22) S	DCBP (S)	Quad	3.0449 e5	1.7180 e6	1.6099 e2	0.9972
23)	Hexachlorobutadiene	Avg	-----	4.0092 e6	-----	0.0738
24)	Hexachlorobenzene	Avg	-----	3.5910 e6	-----	0.0792
25)	Oxychlordane	Avg	-----	2.9400 e6	-----	0.0759
26)	2,4'-DDE	Avg	-----	2.3245 e6	-----	0.0645
27)	trans-Nonachlor	Avg	-----	3.3632 e6	-----	0.0729
28)	2,4'-DDD	Quad	2.6789 e5	1.8917 e6	1.5321 e3	0.9900
29)	2,4'-DDT	Avg	-----	2.1042 e6	-----	0.0979
30)	cis-Nonachlor	Avg	-----	3.5890 e6	-----	0.0872
31)	Mirex	Quad	8.1723 e5	1.8656 e6	1.5093 e3	0.9935
32)	Chlordane (1)	Avg	-----	4.0360 e5	-----	0.0895
33)	Chlordane (2)	Avg	-----	3.3738 e5	-----	0.0737
34)	Chlordane (3)	Quad	1.1251 e6	9.5982 e4	1.1086 e1	0.9978
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	3.1698 e4	-----	0.0659
37)	Toxaphene (2)	Avg	-----	3.8596 e4	-----	0.0287
38)	Toxaphene (3)	Avg	-----	5.7757 e4	-----	0.0589
39)	Toxaphene (4)	Quad	3.3794 e5	8.7714 e4	6.7771	0.9988
40)	Toxaphene (5)	Quad	2.1057 e5	5.3222 e4	2.5905	0.9978
41)	Toxaphene (6)	Avg	-----	5.7407 e4	-----	0.0544
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

ECD8_QUANTPEST_210222.M Wed Feb 24 18:33:42 2021

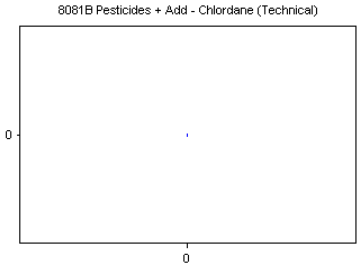
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

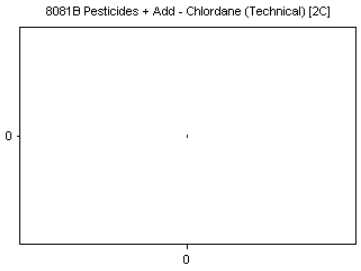


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	0	0.000	0.00
1B22071-CALK	50	0	0.000	0.00
1B22071-CALL	100	0	0.000	0.00
1B22071-CALM	200	0	0.000	0.00
1B22071-CALN	500	0	0.000	0.00
1B22071-CALO	1000	0	0.000	0.00
1B22071-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

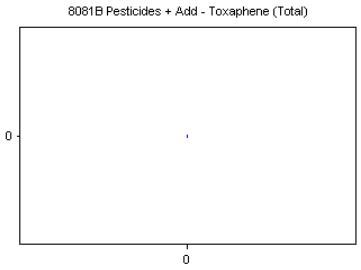


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	0	0.000	0.00
1B22071-CALK	50	0	0.000	0.00
1B22071-CALL	100	0	0.000	0.00
1B22071-CALM	200	0	0.000	0.00
1B22071-CALN	500	0	0.000	0.00
1B22071-CALO	1000	0	0.000	0.00
1B22071-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

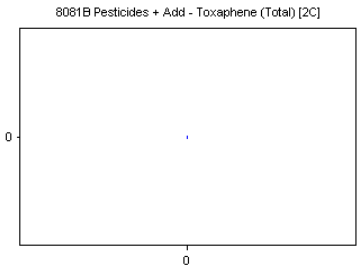


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	0	0.000	0.00
1B22071-CALR	50	0	0.000	0.00
1B22071-CALS	100	0	0.000	0.00
1B22071-CALT	200	0	0.000	0.00
1B22071-CALU	500	0	0.000	0.00
1B22071-CALV	1000	0	0.000	0.00
1B22071-CALW	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	0	0.000	0.00
1B22071-CALR	50	0	0.000	0.00
1B22071-CALS	100	0	0.000	0.00
1B22071-CALT	200	0	0.000	0.00
1B22071-CALU	500	0	0.000	0.00
1B22071-CALV	1000	0	0.000	0.00
1B22071-CALW	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

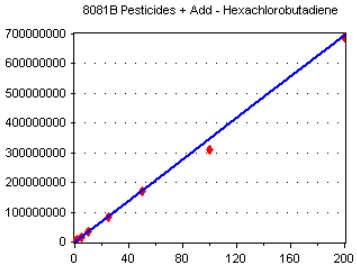
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

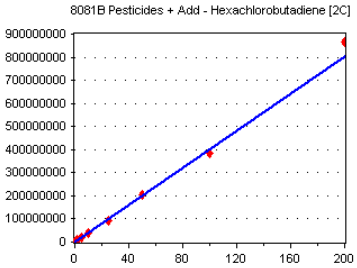


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1999025	3998050.000	3.46
1B22071-CALB	1	3849131	3849131.000	3.46
1B22071-CALC	2	6957604	3478802.000	3.46
1B22071-CALD	5	1.691599E+07	3383198.000	3.46
1B22071-CALE	10	3.381588E+07	3381588.000	3.46
1B22071-CALF	25	8.142518E+07	3257007.000	3.46
1B22071-CALG	50	1.697555E+08	3395110.000	3.46
1B22071-CALH	100	3.108668E+08	3108668.000	3.46
1B22071-CALI	200	6.871244E+08	3435622.000	3.46

AVE RF **3476353.000** RF RSD **8.01** AVE RT **3.46**

Hexachlorobutadiene [2C]

Curve Fit: **AVERAGE RF**

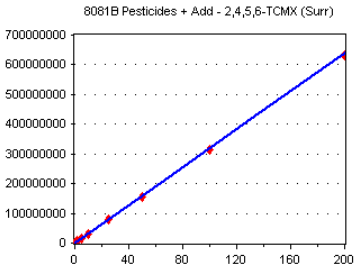


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	2259249	4518498.000	3.77
1B22071-CALB	1	4234435	4234435.000	3.77
1B22071-CALC	2	7585003	3792502.000	3.77
1B22071-CALD	5	1.840019E+07	3680038.000	3.77
1B22071-CALE	10	3.822383E+07	3822383.000	3.77
1B22071-CALF	25	9.392375E+07	3756950.000	3.77
1B22071-CALG	50	2.038499E+08	4076998.000	3.77
1B22071-CALH	100	3.86078E+08	3860780.000	3.77
1B22071-CALI	200	8.679608E+08	4339804.000	3.77

AVE RF **4009154.000** RF RSD **7.38** AVE RT **3.77**

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

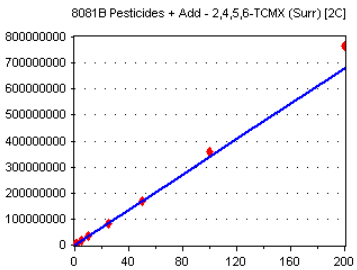


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1755678	3511356.000	5.68
1B25056-CAL2	1	3089516	3089516.000	5.68
1B22071-CAL3	2	6570939	3285470.000	5.68
1B22071-CAL4	5	1.595665E+07	3191330.000	5.68
1B22071-CAL5	10	3.204682E+07	3204682.000	5.68
1B22071-CAL6	25	7.960146E+07	3184058.000	5.68
1B22071-CAL7	50	1.534246E+08	3068492.000	5.68
1B22071-CAL8	100	3.157713E+08	3157713.000	5.68
1B22071-CAL9	200	6.32889E+08	3164445.000	5.68

AVE RF **3206340.000** RF RSD **4.08** AVE RT **5.68**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1860577	3721154.000	6.06
1B25056-CAL2	1	3171759	3171759.000	6.06
1B22071-CAL3	2	6476248	3238124.000	6.06
1B22071-CAL4	5	1.577542E+07	3155084.000	6.06
1B22071-CAL5	10	3.262864E+07	3262864.000	6.06
1B22071-CAL6	25	8.274807E+07	3309923.000	6.06
1B22071-CAL7	50	1.680616E+08	3361232.000	6.06
1B22071-CAL8	100	3.581295E+08	3581295.000	6.06
1B22071-CAL9	200	7.671029E+08	3835515.000	6.06

AVE RF **3404105.000** RF RSD **7.29** AVE RT **6.06**

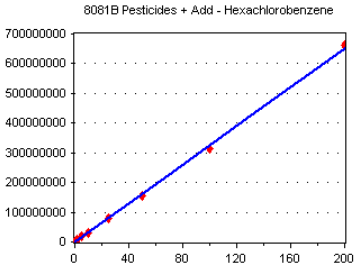
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Hexachlorobenzene

Curve Fit: **AVERAGE RF**

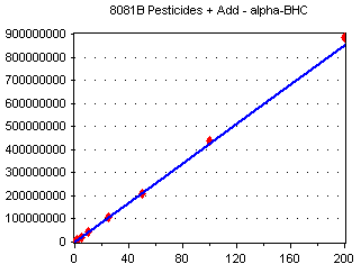


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1575049	3150098.000	6.06
1B22071-CALB	1	3773640	3773640.000	6.06
1B22071-CALC	2	6425966	3212983.000	6.06
1B22071-CALD	5	1.722894E+07	3445788.000	6.06
1B22071-CALE	10	3.046614E+07	3046614.000	6.06
1B22071-CALF	25	7.839708E+07	3135883.000	6.06
1B22071-CALG	50	1.552115E+08	3104230.000	6.06
1B22071-CALH	100	3.157071E+08	3157071.000	6.06
1B22071-CALI	200	6.630677E+08	3315339.000	6.06

AVE RF **3260183.000** RF RSD **6.96** AVE RT **6.06**

alpha-BHC

Curve Fit: **AVERAGE RF**

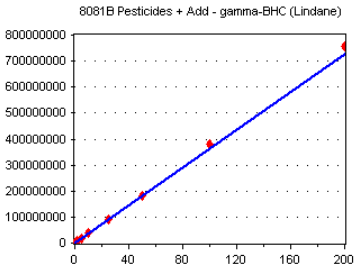


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2222261	4444522.000	6.23
1B25056-CAL2	1	3881163	3881163.000	6.23
1B22071-CAL3	2	8442991	4221496.000	6.23
1B22071-CAL4	5	2.129475E+07	4258950.000	6.23
1B22071-CAL5	10	4.31433E+07	4314330.000	6.23
1B22071-CAL6	25	1.055683E+08	4222732.000	6.23
1B22071-CAL7	50	2.074409E+08	4148818.000	6.23
1B22071-CAL8	100	4.378574E+08	4378574.000	6.23
1B22071-CAL9	200	8.851868E+08	4425934.000	6.23

AVE RF **4255169.000** RF RSD **4.05** AVE RT **6.23**

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

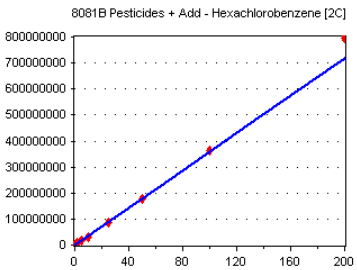


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1874105	3748210.000	6.52
1B25056-CAL2	1	3048133	3048133.000	6.52
1B22071-CAL3	2	7260697	3630349.000	6.52
1B22071-CAL4	5	1.795516E+07	3591032.000	6.52
1B22071-CAL5	10	3.734302E+07	3734302.000	6.52
1B22071-CAL6	25	9.17141E+07	3668564.000	6.52
1B22071-CAL7	50	1.825998E+08	3651996.000	6.52
1B22071-CAL8	100	3.813222E+08	3813222.000	6.52
1B22071-CAL9	200	7.567828E+08	3783914.000	6.52

AVE RF **3629969.000** RF RSD **6.34** AVE RT **6.52**

Hexachlorobenzene [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1782150	3564300.000	6.52
1B22071-CALB	1	4089957	4089957.000	6.52
1B22071-CALC	2	6651598	3325799.000	6.52
1B22071-CALD	5	1.760707E+07	3521414.000	6.52
1B22071-CALE	10	3.215278E+07	3215278.000	6.52
1B22071-CALF	25	8.528963E+07	3411585.000	6.52
1B22071-CALG	50	1.783689E+08	3567378.000	6.52
1B22071-CALH	100	3.65042E+08	3650420.000	6.52
1B22071-CALI	200	7.944868E+08	3972434.000	6.52

AVE RF **3590952.000** RF RSD **7.92** AVE RT **6.52**

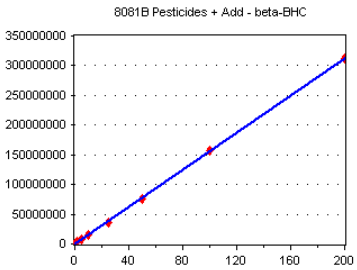
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

beta-BHC

Curve Fit: **AVERAGE RF**

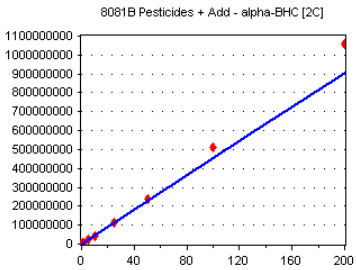


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	972914	1945828.000	6.61
1B25056-CAL2	1	1534080	1534080.000	6.61
1B22071-CAL3	2	3112810	1556405.000	6.60
1B22071-CAL4	5	7300772	1460154.000	6.60
1B22071-CAL5	10	1.463856E+07	1463856.000	6.60
1B22071-CAL6	25	3.669412E+07	1467765.000	6.60
1B22071-CAL7	50	7.630623E+07	1526125.000	6.59
1B22071-CAL8	100	1.56441E+08	1564410.000	6.59
1B22071-CAL9	200	3.114628E+08	1557314.000	6.59

AVE RF **1563993.000** RF RSD **9.55** AVE RT **6.60**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

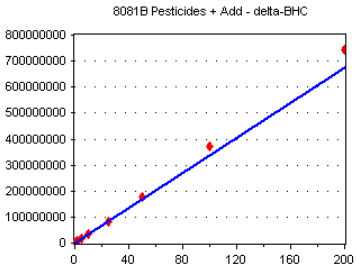


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2204979	4409958.000	6.65
1B25056-CAL2	1	3945238	3945238.000	6.65
1B22071-CAL3	2	8025686	4012843.000	6.65
1B22071-CAL4	5	2.118574E+07	4237148.000	6.65
1B22071-CAL5	10	4.445677E+07	4445677.000	6.65
1B22071-CAL6	25	1.150303E+08	4601212.000	6.65
1B22071-CAL7	50	2.381954E+08	4763908.000	6.65
1B22071-CAL8	100	5.087421E+08	5087421.000	6.65
1B22071-CAL9	200	1.056351E+09	5281755.000	6.65

AVE RF **4531684.000** RF RSD **10.03** AVE RT **6.65**

delta-BHC

Curve Fit: **AVERAGE RF**

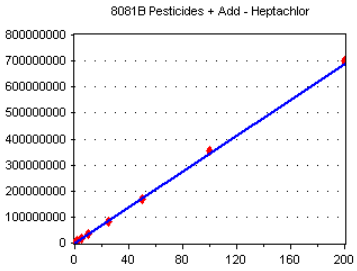


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1728917	3457834.000	6.77
1B25056-CAL2	1	2812527	2812527.000	6.77
1B22071-CAL3	2	6559848	3279924.000	6.75
1B22071-CAL4	5	1.595198E+07	3190396.000	6.75
1B22071-CAL5	10	3.286848E+07	3286848.000	6.75
1B22071-CAL6	25	8.421679E+07	3368672.000	6.75
1B22071-CAL7	50	1.769469E+08	3538938.000	6.75
1B22071-CAL8	100	3.723694E+08	3723694.000	6.75
1B22071-CAL9	200	7.447616E+08	3723808.000	6.75

AVE RF **3375849.000** RF RSD **8.41** AVE RT **6.75**

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1842639	3685278.000	6.92
1B25056-CAL2	1	3086921	3086921.000	6.92
1B22071-CAL3	2	6812233	3406117.000	6.91
1B22071-CAL4	5	1.72489E+07	3449780.000	6.91
1B22071-CAL5	10	3.500989E+07	3500989.000	6.91
1B22071-CAL6	25	8.271999E+07	3308800.000	6.91
1B22071-CAL7	50	1.68658E+08	3373160.000	6.91
1B22071-CAL8	100	3.539808E+08	3539808.000	6.91
1B22071-CAL9	200	7.023039E+08	3511519.000	6.91

AVE RF **3429152.000** RF RSD **4.90** AVE RT **6.91**

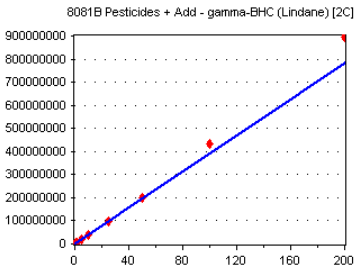
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

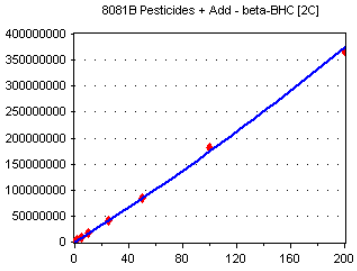


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1984533	3969066.000	6.97
1B25056-CAL2	1	3438052	3438052.000	6.97
1B22071-CAL3	2	7148210	3574105.000	6.97
1B22071-CAL4	5	1.816821E+07	3633642.000	6.97
1B22071-CAL5	10	3.817037E+07	3817037.000	6.97
1B22071-CAL6	25	9.803693E+07	3921477.000	6.97
1B22071-CAL7	50	1.992975E+08	3985950.000	6.97
1B22071-CAL8	100	4.333955E+08	4333955.000	6.97
1B22071-CAL9	200	8.943804E+08	4471902.000	6.97

AVE RF **3905021.000** RF RSD **8.71** AVE RT **6.97**

beta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

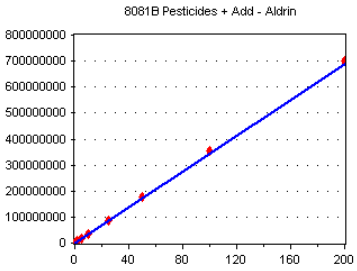


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1139580	2279160.000	7.04
1B25056-CAL2	1	1839198	1839198.000	7.04
1B22071-CAL3	2	3590924	1795462.000	7.03
1B22071-CAL4	5	8296777	1659355.000	7.03
1B22071-CAL5	10	1.646239E+07	1646239.000	7.03
1B22071-CAL6	25	4.150901E+07	1660360.000	7.03
1B22071-CAL7	50	8.484472E+07	1696894.000	7.03
1B22071-CAL8	100	1.805525E+08	1805525.000	7.03
1B22071-CAL9	200	3.678835E+08	1839418.000	7.03

AVE RF **1802401.000** RF RSD **10.86** AVE RT **7.03**

Aldrin

Curve Fit: **AVERAGE RF**

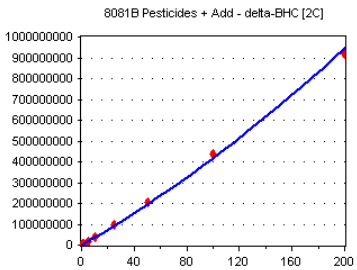


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1722892	3445784.000	7.16
1B25056-CAL2	1	3002594	3002594.000	7.16
1B22071-CAL3	2	6841306	3420653.000	7.16
1B22071-CAL4	5	1.721926E+07	3443852.000	7.16
1B22071-CAL5	10	3.539482E+07	3539482.000	7.16
1B22071-CAL6	25	8.818656E+07	3527463.000	7.16
1B22071-CAL7	50	1.757872E+08	3515744.000	7.16
1B22071-CAL8	100	3.54152E+08	3541520.000	7.16
1B22071-CAL9	200	7.004931E+08	3502466.000	7.16

AVE RF **3437729.000** RF RSD **4.92** AVE RT **7.16**

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1930864	3861728.000	7.29
1B25056-CAL2	1	3349325	3349325.000	7.29
1B22071-CAL3	2	7153543	3576772.000	7.28
1B22071-CAL4	5	1.801342E+07	3602684.000	7.28
1B22071-CAL5	10	3.595268E+07	3595268.000	7.28
1B22071-CAL6	25	9.67054E+07	3868216.000	7.28
1B22071-CAL7	50	2.028045E+08	4056090.000	7.28
1B22071-CAL8	100	4.36087E+08	4360870.000	7.28
1B22071-CAL9	200	9.192949E+08	4596475.000	7.28

AVE RF **3874159.000** RF RSD **10.43** AVE RT **7.28**

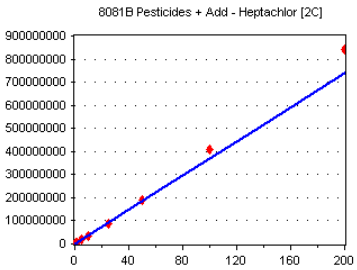
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

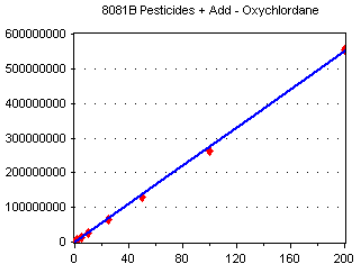


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1933918	3867836.000	7.34
1B25056-CAL2	1	3366411	3366411.000	7.34
1B22071-CAL3	2	6718725	3359363.000	7.34
1B22071-CAL4	5	1.74804E+07	3496080.000	7.34
1B22071-CAL5	10	3.59732E+07	3597320.000	7.34
1B22071-CAL6	25	8.61805E+07	3447220.000	7.34
1B22071-CAL7	50	1.873431E+08	3746862.000	7.34
1B22071-CAL8	100	4.093368E+08	4093368.000	7.34
1B22071-CAL9	200	8.428199E+08	4214100.000	7.34

AVE RF **3687618.000** RF RSD **8.53** AVE RT **7.34**

Oxychlordane

Curve Fit: **AVERAGE RF**

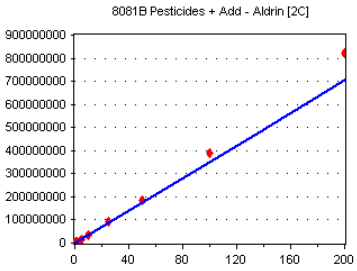


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1465803	2931606.000	7.56
1B22071-CALB	1	3178037	3178037.000	7.55
1B22071-CALC	2	5309909	2654955.000	7.55
1B22071-CALD	5	1.413897E+07	2827794.000	7.55
1B22071-CALE	10	2.596558E+07	2596558.000	7.55
1B22071-CALF	25	6.563221E+07	2625288.000	7.55
1B22071-CALG	50	1.298115E+08	2596230.000	7.55
1B22071-CALH	100	2.639939E+08	2639939.000	7.55
1B22071-CALI	200	5.534472E+08	2767236.000	7.55

AVE RF **2757516.000** RF RSD **7.09** AVE RT **7.55**

Aldrin [2C]

Curve Fit: **AVERAGE RF**

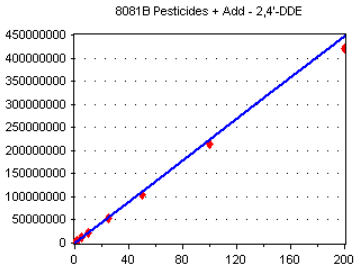


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1662941	3325882.000	7.61
1B25056-CAL2	1	3034328	3034328.000	7.61
1B22071-CAL3	2	6503333	3251667.000	7.61
1B22071-CAL4	5	1.649852E+07	3299704.000	7.61
1B22071-CAL5	10	3.437224E+07	3437224.000	7.61
1B22071-CAL6	25	9.050903E+07	3620361.000	7.61
1B22071-CAL7	50	1.837033E+08	3674066.000	7.61
1B22071-CAL8	100	3.911249E+08	3911249.000	7.61
1B22071-CAL9	200	8.199263E+08	4099631.000	7.61

AVE RF **3517124.000** RF RSD **9.66** AVE RT **7.61**

2,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1192845	2385690.000	7.63
1B22071-CALB	1	2600936	2600936.000	7.62
1B22071-CALC	2	4402205	2201103.000	7.62
1B22071-CALD	5	1.184382E+07	2368764.000	7.62
1B22071-CALE	10	2.072871E+07	2072871.000	7.62
1B22071-CALF	25	5.323787E+07	2129515.000	7.62
1B22071-CALG	50	1.05329E+08	2106580.000	7.62
1B22071-CALH	100	2.147296E+08	2147296.000	7.62
1B22071-CALI	200	4.20319E+08	2101595.000	7.61

AVE RF **2234928.000** RF RSD **7.99** AVE RT **7.62**

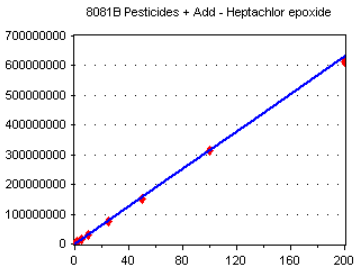
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

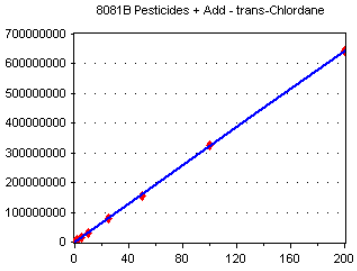


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1867692	3735384.000	7.63
1B25056-CAL2	1	3126066	3126066.000	7.63
1B22071-CAL3	2	6334810	3167405.000	7.63
1B22071-CAL4	5	1.522272E+07	3044544.000	7.63
1B22071-CAL5	10	3.084291E+07	3084291.000	7.63
1B22071-CAL6	25	7.466851E+07	2986741.000	7.63
1B22071-CAL7	50	1.520519E+08	3041038.000	7.63
1B22071-CAL8	100	3.129632E+08	3129632.000	7.63
1B22071-CAL9	200	6.137284E+08	3068642.000	7.63

AVE RF **3153749.000** RF RSD **7.13** AVE RT **7.63**

trans-Chlordane

Curve Fit: **AVERAGE RF**

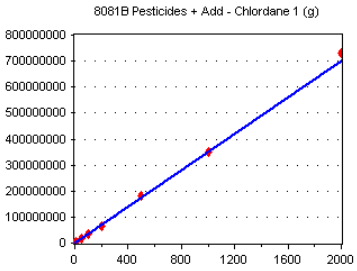


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1776814	3553628.000	7.73
1B25056-CAL2	1	3087656	3087656.000	7.73
1B22071-CAL3	2	6514292	3257146.000	7.72
1B22071-CAL4	5	1.560454E+07	3120908.000	7.72
1B22071-CAL5	10	3.18874E+07	3188740.000	7.72
1B22071-CAL6	25	7.956315E+07	3182526.000	7.72
1B22071-CAL7	50	1.559275E+08	3118550.000	7.72
1B22071-CAL8	100	3.260742E+08	3260742.000	7.72
1B22071-CAL9	200	6.445885E+08	3222943.000	7.72

AVE RF **3221427.000** RF RSD **4.31** AVE RT **7.72**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

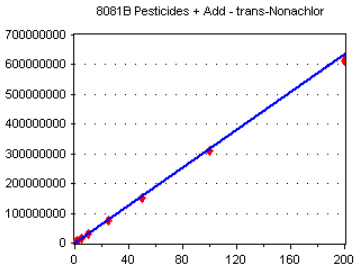


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3436436	343643.600	7.73
1B22071-CALK	50	1.785142E+07	357028.400	7.72
1B22071-CALL	100	3.385134E+07	338513.400	7.72
1B22071-CALM	200	6.607776E+07	330388.800	7.72
1B22071-CALN	500	1.809313E+08	361862.600	7.72
1B22071-CALO	1000	3.509663E+08	350966.300	7.72
1B22071-CALP	2000	7.322802E+08	366140.100	7.72

AVE RF **349791.900** RF RSD **3.71** AVE RT **7.72**

trans-Nonachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1638252	3276504.000	7.81
1B22071-CALB	1	3695838	3695838.000	7.81
1B22071-CALC	2	6120372	3060186.000	7.81
1B22071-CALD	5	1.683475E+07	3366950.000	7.81
1B22071-CALE	10	2.979843E+07	2979843.000	7.81
1B22071-CALF	25	7.612592E+07	3045037.000	7.81
1B22071-CALG	50	1.501513E+08	3003026.000	7.80
1B22071-CALH	100	3.119667E+08	3119667.000	7.80
1B22071-CALI	200	6.116902E+08	3058451.000	7.80

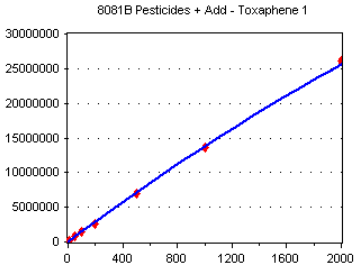
AVE RF **3178389.000** RF RSD **7.32** AVE RT **7.81**

Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Toxaphene 1

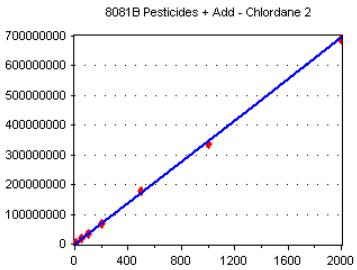


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	157540	15754.000	7.82
1B22071-CALR	50	868189	17363.780	7.82
1B22071-CALS	100	1440138	14401.380	7.81
1B22071-CALT	200	2647827	13239.130	7.80
1B22071-CALU	500	6980111	13960.220	7.80
1B22071-CALV	1000	1.365104E+07	13651.040	7.80
1B22071-CALW	2000	2.616009E+07	13080.040	7.80

AVE RF **14492.800** RF RSD **10.69** AVE RT **7.81**

Chlordane 2

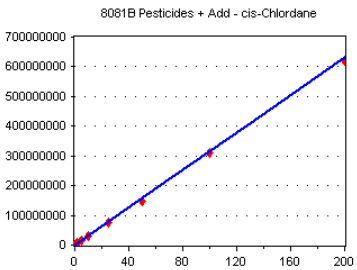


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3740830	374083.000	7.82
1B22071-CALK	50	1.802384E+07	360476.800	7.82
1B22071-CALL	100	3.285407E+07	328540.700	7.82
1B22071-CALM	200	6.698958E+07	334947.900	7.82
1B22071-CALN	500	1.775276E+08	355055.200	7.82
1B22071-CALO	1000	3.367536E+08	336753.600	7.82
1B22071-CALP	2000	6.869738E+08	343486.900	7.82

AVE RF **347620.600** RF RSD **4.67** AVE RT **7.82**

cis-Chlordane

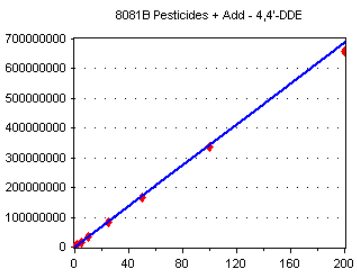


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1777335	3554670.000	7.83
1B25056-CAL2	1	3067156	3067156.000	7.83
1B22071-CAL3	2	6429067	3214534.000	7.82
1B22071-CAL4	5	1.566145E+07	3132290.000	7.82
1B22071-CAL5	10	3.158634E+07	3158634.000	7.82
1B22071-CAL6	25	7.693779E+07	3077512.000	7.82
1B22071-CAL7	50	1.484758E+08	2969516.000	7.82
1B22071-CAL8	100	3.098078E+08	3098078.000	7.82
1B22071-CAL9	200	6.194375E+08	3097188.000	7.82

AVE RF **3152175.000** RF RSD **5.24** AVE RT **7.82**

4,4'-DDE



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2099775	4199550.000	7.88
1B25056-CAL2	1	3407128	3407128.000	7.88
1B22071-CAL3	2	6574372	3287186.000	7.87
1B22071-CAL4	5	1.614349E+07	3228698.000	7.87
1B22071-CAL5	10	3.439059E+07	3439059.000	7.87
1B22071-CAL6	25	8.463491E+07	3385397.000	7.87
1B22071-CAL7	50	1.681317E+08	3362634.000	7.87
1B22071-CAL8	100	3.381896E+08	3381896.000	7.87
1B22071-CAL9	200	6.594739E+08	3297370.000	7.87

AVE RF **3443213.000** RF RSD **8.46** AVE RT **7.87**

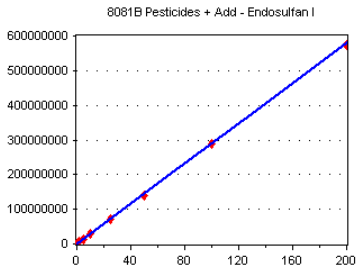
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Endosulfan I

Curve Fit: **AVERAGE RF**

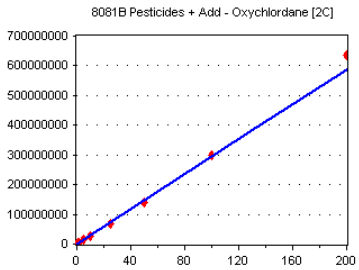


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1637136	3274272.000	7.93
1B25056-CAL2	1	2868001	2868001.000	7.93
1B22071-CAL3	2	5927379	2963690.000	7.93
1B22071-CAL4	5	1.385879E+07	2771758.000	7.93
1B22071-CAL5	10	2.870523E+07	2870523.000	7.92
1B22071-CAL6	25	6.995542E+07	2798217.000	7.92
1B22071-CAL7	50	1.394284E+08	2788568.000	7.92
1B22071-CAL8	100	2.890611E+08	2890611.000	7.93
1B22071-CAL9	200	5.746924E+08	2873462.000	7.92

AVE RF **2899900.000** RF RSD **5.26** AVE RT **7.93**

Oxychlordane [2C]

Curve Fit: **AVERAGE RF**

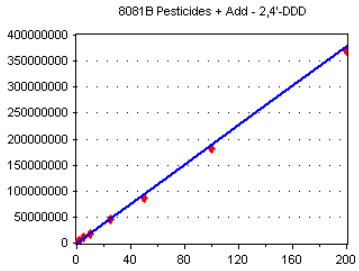


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1560221	3120442.000	7.98
1B22071-CALB	1	3292723	3292723.000	7.97
1B22071-CALC	2	5464605	2732303.000	7.98
1B22071-CALD	5	1.450999E+07	2901998.000	7.97
1B22071-CALE	10	2.626296E+07	2626296.000	7.97
1B22071-CALF	25	6.982074E+07	2792830.000	7.98
1B22071-CALG	50	1.405224E+08	2810448.000	7.97
1B22071-CALH	100	3.005782E+08	3005782.000	7.97
1B22071-CALI	200	6.353535E+08	3176767.000	7.97

AVE RF **2939954.000** RF RSD **7.59** AVE RT **7.97**

2,4'-DDD

Curve Fit: **AVERAGE RF**

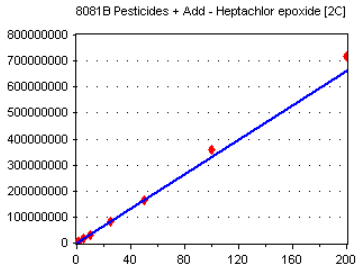


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	992555	1985110.000	8.01
1B22071-CALB	1	2270647	2270647.000	8.00
1B22071-CALC	2	3684063	1842032.000	8.00
1B22071-CALD	5	1.009018E+07	2018036.000	8.00
1B22071-CALE	10	1.72878E+07	1728780.000	8.00
1B22071-CALF	25	4.496505E+07	1798602.000	8.00
1B22071-CALG	50	8.754436E+07	1750887.000	8.00
1B22071-CALH	100	1.810405E+08	1810405.000	8.00
1B22071-CALI	200	3.698488E+08	1849244.000	8.00

AVE RF **1894860.000** RF RSD **9.03** AVE RT **8.00**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1866370	3732740.000	8.05
1B25056-CAL2	1	3174485	3174485.000	8.05
1B22071-CAL3	2	6156133	3078067.000	8.04
1B22071-CAL4	5	1.524555E+07	3049110.000	8.04
1B22071-CAL5	10	3.088815E+07	3088815.000	8.04
1B22071-CAL6	25	8.039714E+07	3215886.000	8.04
1B22071-CAL7	50	1.636973E+08	3273946.000	8.04
1B22071-CAL8	100	3.577187E+08	3577187.000	8.04
1B22071-CAL9	200	7.185929E+08	3592965.000	8.04

AVE RF **3309244.000** RF RSD **7.77** AVE RT **8.04**

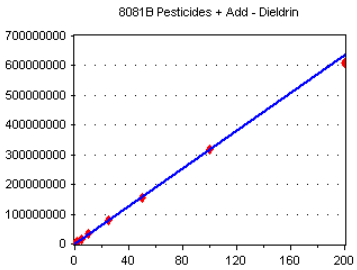
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Dieldrin

Curve Fit: **AVERAGE RF**

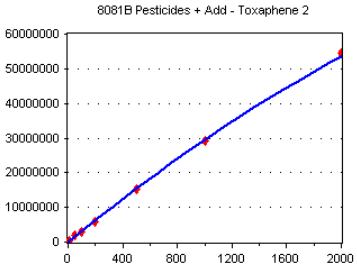


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1742625	3485250.000	8.10
1B25056-CAL2	1	2975189	2975189.000	8.10
1B22071-CAL3	2	6386459	3193230.000	8.10
1B22071-CAL4	5	1.572524E+07	3145048.000	8.10
1B22071-CAL5	10	3.25797E+07	3257970.000	8.10
1B22071-CAL6	25	7.895637E+07	3158255.000	8.10
1B22071-CAL7	50	1.564248E+08	3128496.000	8.10
1B22071-CAL8	100	3.163845E+08	3163845.000	8.10
1B22071-CAL9	200	6.081425E+08	3040713.000	8.10

AVE RF **3171999.000** RF RSD **4.52** AVE RT **8.10**

Toxaphene 2

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

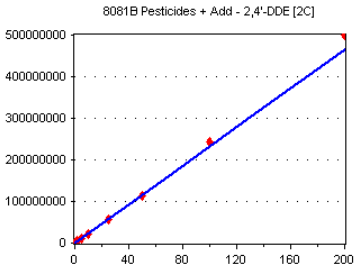


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	331240	33124.000	8.11
1B22071-CALR	50	1904840	38096.800	8.10
1B22071-CALS	100	2964252	29642.520	8.10
1B22071-CALT	200	5861871	29309.360	8.10
1B22071-CALU	500	1.529128E+07	30582.560	8.10
1B22071-CALV	1000	2.913009E+07	29130.090	8.10
1B22071-CALW	2000	5.459988E+07	27299.940	8.10

AVE RF **31026.470** RF RSD **11.54** AVE RT **8.10**

2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

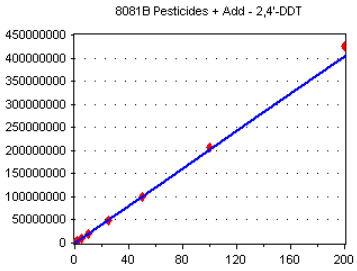


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1189427	2378854.000	8.17
1B22071-CALB	1	2527723	2527723.000	8.17
1B22071-CALC	2	4399052	2199526.000	8.17
1B22071-CALD	5	1.143046E+07	2286092.000	8.17
1B22071-CALE	10	2.066671E+07	2066671.000	8.17
1B22071-CALF	25	5.599922E+07	2239969.000	8.17
1B22071-CALG	50	1.141786E+08	2283572.000	8.17
1B22071-CALH	100	2.440938E+08	2440938.000	8.17
1B22071-CALI	200	4.993529E+08	2496765.000	8.17

AVE RF **2324457.000** RF RSD **6.45** AVE RT **8.17**

2,4'-DDT

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	944593	1889186.000	8.19
1B22071-CALB	1	2238924	2238924.000	8.18
1B22071-CALC	2	3860272	1930136.000	8.18
1B22071-CALD	5	1.038022E+07	2076044.000	8.18
1B22071-CALE	10	1.864705E+07	1864705.000	8.18
1B22071-CALF	25	4.83113E+07	1932452.000	8.18
1B22071-CALG	50	1.004603E+08	2009206.000	8.18
1B22071-CALH	100	2.077409E+08	2077409.000	8.18
1B22071-CALI	200	4.268716E+08	2134358.000	8.18

AVE RF **2016936.000** RF RSD **6.18** AVE RT **8.18**

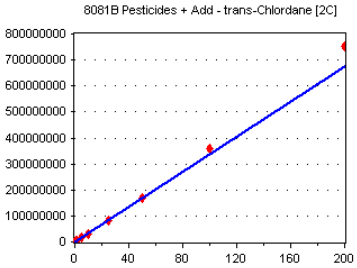
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

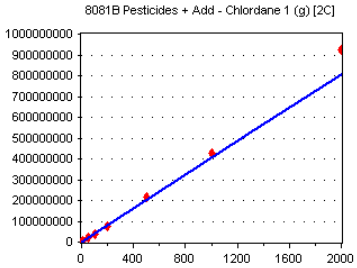


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1838997	3677994.000	8.19
1B25056-CAL2	1	3098627	3098627.000	8.19
1B22071-CAL3	2	6467548	3233774.000	8.18
1B22071-CAL4	5	1.555948E+07	3111896.000	8.18
1B22071-CAL5	10	3.235508E+07	3235508.000	8.18
1B22071-CAL6	25	8.163742E+07	3265497.000	8.18
1B22071-CAL7	50	1.694188E+08	3388376.000	8.18
1B22071-CAL8	100	3.575058E+08	3575058.000	8.18
1B22071-CAL9	200	7.506977E+08	3753489.000	8.18

AVE RF **3371135.000** RF RSD **7.21** AVE RT **8.18**

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

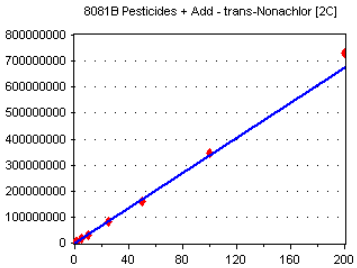


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3757800	375780.000	8.19
1B22071-CALK	50	1.907042E+07	381408.400	8.18
1B22071-CALL	100	3.697764E+07	369776.400	8.18
1B22071-CALM	200	7.567631E+07	378381.600	8.18
1B22071-CALN	500	2.156383E+08	431276.600	8.18
1B22071-CALO	1000	4.256286E+08	425628.600	8.18
1B22071-CALP	2000	9.259378E+08	462968.900	8.18

AVE RF **403602.900** RF RSD **8.95** AVE RT **8.18**

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

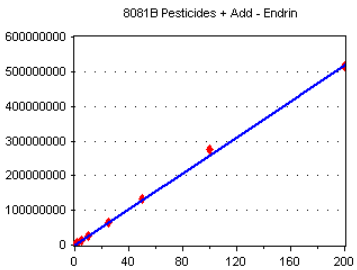


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1762762	3525524.000	8.25
1B22071-CALB	1	3710614	3710614.000	8.25
1B22071-CALC	2	6195556	3097778.000	8.25
1B22071-CALD	5	1.686242E+07	3372484.000	8.25
1B22071-CALE	10	2.996066E+07	2996066.000	8.25
1B22071-CALF	25	8.130408E+07	3252163.000	8.25
1B22071-CALG	50	1.602859E+08	3205718.000	8.25
1B22071-CALH	100	3.457971E+08	3457971.000	8.25
1B22071-CALI	200	7.300613E+08	3650307.000	8.25

AVE RF **3363181.000** RF RSD **7.29** AVE RT **8.25**

Endrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1311200	2622400.000	8.27
1B25056-CAL2	1	2263795	2263795.000	8.27
1B22071-CAL3	2	5184256	2592128.000	8.27
1B22071-CAL4	5	1.284863E+07	2569726.000	8.27
1B22071-CAL5	10	2.699846E+07	2699846.000	8.27
1B22071-CAL6	25	6.3883E+07	2555320.000	8.27
1B22071-CAL7	50	1.327333E+08	2654666.000	8.27
1B22071-CAL8	100	2.749307E+08	2749307.000	8.27
1B22071-CAL9	200	5.151538E+08	2575769.000	8.27

AVE RF **2586995.000** RF RSD **5.31** AVE RT **8.27**

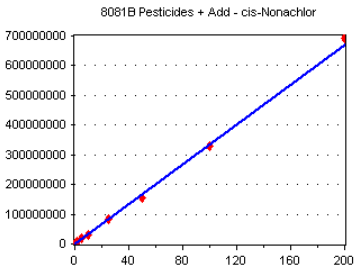
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

cis-Nonachlor

Curve Fit: **AVERAGE RF**

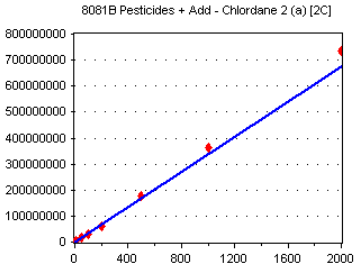


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1656148	3312296.000	8.29
1B22071-CALB	1	3845722	3845722.000	8.29
1B22071-CALC	2	6425104	3212552.000	8.29
1B22071-CALD	5	1.798228E+07	3596456.000	8.29
1B22071-CALE	10	3.055717E+07	3055717.000	8.29
1B22071-CALF	25	8.285383E+07	3314153.000	8.29
1B22071-CALG	50	1.558314E+08	3116628.000	8.29
1B22071-CALH	100	3.285279E+08	3285279.000	8.29
1B22071-CALI	200	6.924074E+08	3462037.000	8.29

AVE RF **3355649.000** RF RSD **7.34** AVE RT **8.29**

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

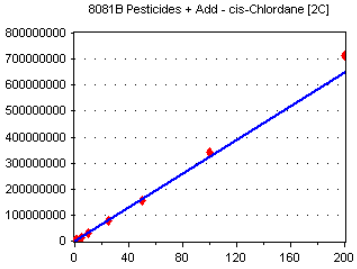


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	3289778	328977.800	8.29
1B22071-CALK	50	1.628372E+07	325674.400	8.29
1B22071-CALL	100	3.068983E+07	306898.300	8.29
1B22071-CALM	200	6.251284E+07	312564.200	8.29
1B22071-CALN	500	1.784381E+08	356876.200	8.29
1B22071-CALO	1000	3.622618E+08	362261.800	8.29
1B22071-CALP	2000	7.367726E+08	368386.300	8.29

AVE RF **337377.000** RF RSD **7.37** AVE RT **8.29**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

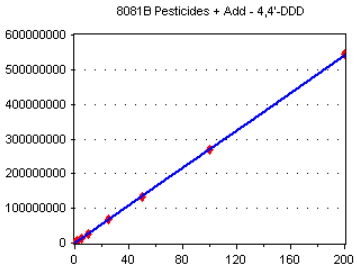


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1835270	3670540.000	8.29
1B25056-CAL2	1	3054425	3054425.000	8.29
1B22071-CAL3	2	6347411	3173706.000	8.29
1B22071-CAL4	5	1.479742E+07	2959484.000	8.29
1B22071-CAL5	10	3.015592E+07	3015592.000	8.29
1B22071-CAL6	25	7.967949E+07	3187180.000	8.29
1B22071-CAL7	50	1.57129E+08	3142580.000	8.29
1B22071-CAL8	100	3.416124E+08	3416124.000	8.29
1B22071-CAL9	200	7.121729E+08	3560865.000	8.29

AVE RF **3242277.000** RF RSD **7.71** AVE RT **8.29**

4,4'-DDD

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1569408	3138816.000	8.31
1B25056-CAL2	1	2575075	2575075.000	8.31
1B22071-CAL3	2	5204597	2602299.000	8.30
1B22071-CAL4	5	1.297183E+07	2594366.000	8.30
1B22071-CAL5	10	2.691737E+07	2691737.000	8.30
1B22071-CAL6	25	6.691172E+07	2676469.000	8.30
1B22071-CAL7	50	1.327622E+08	2655244.000	8.30
1B22071-CAL8	100	2.702592E+08	2702592.000	8.30
1B22071-CAL9	200	5.444418E+08	2722209.000	8.30

AVE RF **2706534.000** RF RSD **6.29** AVE RT **8.30**

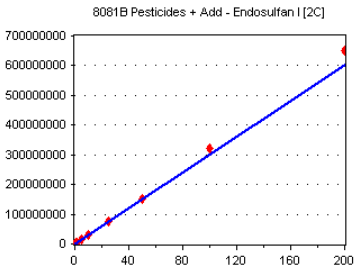
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

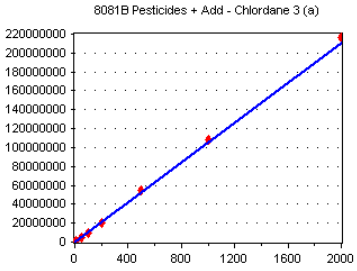


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1664447	3328894.000	8.34
1B25056-CAL2	1	2860014	2860014.000	8.34
1B22071-CAL3	2	5667008	2833504.000	8.34
1B22071-CAL4	5	1.371698E+07	2743396.000	8.34
1B22071-CAL5	10	2.838934E+07	2838934.000	8.34
1B22071-CAL6	25	7.549506E+07	3019802.000	8.34
1B22071-CAL7	50	1.506294E+08	3012588.000	8.34
1B22071-CAL8	100	3.19939E+08	3199390.000	8.34
1B22071-CAL9	200	6.502413E+08	3251207.000	8.34

AVE RF **3009748.000** RF RSD **6.95** AVE RT **8.34**

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

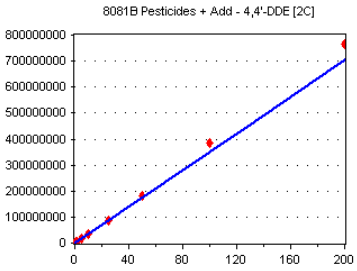


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	1049375	104937.500	8.39
1B22071-CALK	50	5278298	105566.000	8.38
1B22071-CALL	100	1.000239E+07	100023.900	8.38
1B22071-CALM	200	2.018962E+07	100948.100	8.38
1B22071-CALN	500	5.517166E+07	110343.300	8.38
1B22071-CALO	1000	1.082391E+08	108239.100	8.38
1B22071-CALP	2000	2.16814E+08	108407.000	8.38

AVE RF **105495.000** RF RSD **3.68** AVE RT **8.38**

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

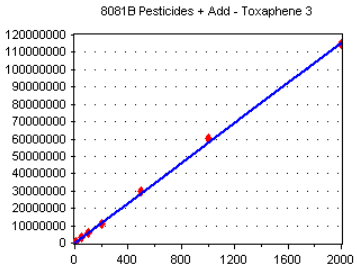


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1915941	3831882.000	8.39
1B25056-CAL2	1	3205556	3205556.000	8.39
1B22071-CAL3	2	6353008	3176504.000	8.39
1B22071-CAL4	5	1.614036E+07	3228072.000	8.39
1B22071-CAL5	10	3.379726E+07	3379726.000	8.39
1B22071-CAL6	25	8.85619E+07	3542476.000	8.39
1B22071-CAL7	50	1.8006E+08	3601200.000	8.39
1B22071-CAL8	100	3.846072E+08	3846072.000	8.39
1B22071-CAL9	200	7.640043E+08	3820022.000	8.39

AVE RF **3514612.000** RF RSD **7.93** AVE RT **8.39**

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	541688	54168.800	8.43
1B22071-CALR	50	3029220	60584.400	8.42
1B22071-CALS	100	5609870	56098.700	8.42
1B22071-CALT	200	1.121736E+07	56086.800	8.42
1B22071-CALU	500	2.973082E+07	59461.640	8.42
1B22071-CALV	1000	6.032937E+07	60329.370	8.42
1B22071-CALW	2000	1.146366E+08	57318.300	8.42

AVE RF **57721.140** RF RSD **4.25** AVE RT **8.42**

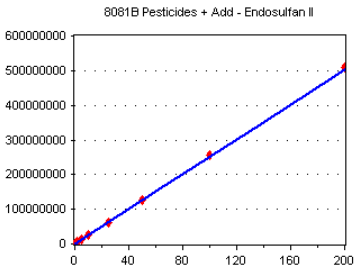
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Endosulfan II

Curve Fit: **AVERAGE RF**

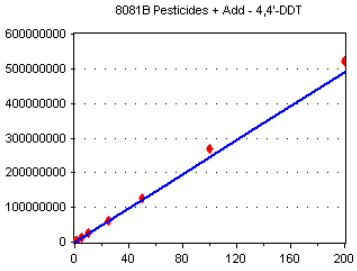


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1364741	2729482.000	8.44
1B25056-CAL2	1	2262321	2262321.000	8.44
1B22071-CAL3	2	5015784	2507892.000	8.43
1B22071-CAL4	5	1.22812E+07	2456240.000	8.43
1B22071-CAL5	10	2.511307E+07	2511307.000	8.43
1B22071-CAL6	25	6.292866E+07	2517147.000	8.43
1B22071-CAL7	50	1.273372E+08	2546744.000	8.43
1B22071-CAL8	100	2.564174E+08	2564174.000	8.43
1B22071-CAL9	200	5.104964E+08	2552482.000	8.43

AVE RF **2516421.000** RF RSD **4.83** AVE RT **8.43**

4,4'-DDT

Curve Fit: **AVERAGE RF**

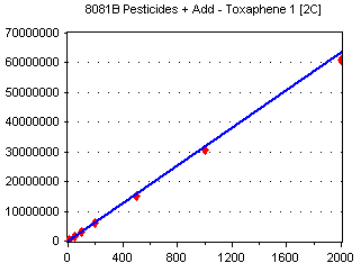


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1280117	2560234.000	8.51
1B25056-CAL2	1	2143263	2143263.000	8.51
1B22071-CAL3	2	4659787	2329894.000	8.50
1B22071-CAL4	5	1.150853E+07	2301706.000	8.50
1B22071-CAL5	10	2.435281E+07	2435281.000	8.50
1B22071-CAL6	25	6.113225E+07	2445290.000	8.50
1B22071-CAL7	50	1.263936E+08	2527872.000	8.50
1B22071-CAL8	100	2.70587E+08	2705870.000	8.50
1B22071-CAL9	200	5.227832E+08	2613916.000	8.50

AVE RF **2451481.000** RF RSD **7.08** AVE RT **8.50**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

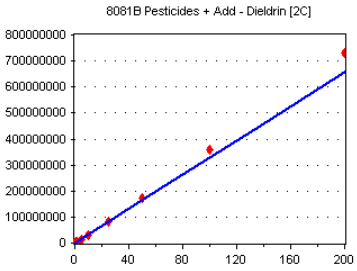


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	355295	35529.500	8.52
1B22071-CALR	50	1686629	33732.580	8.52
1B22071-CALS	100	3106543	31065.430	8.52
1B22071-CALT	200	6044247	30221.230	8.52
1B22071-CALU	500	1.513685E+07	30273.700	8.52
1B22071-CALV	1000	3.06888E+07	30688.800	8.52
1B22071-CALW	2000	6.075406E+07	30377.030	8.52

AVE RF **31698.330** RF RSD **6.59** AVE RT **8.52**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1714474	3428948.000	8.54
1B25056-CAL2	1	2913255	2913255.000	8.54
1B22071-CAL3	2	6082740	3041370.000	8.54
1B22071-CAL4	5	1.512373E+07	3024746.000	8.54
1B22071-CAL5	10	3.181897E+07	3181897.000	8.54
1B22071-CAL6	25	8.377977E+07	3351191.000	8.54
1B22071-CAL7	50	1.710246E+08	3420492.000	8.54
1B22071-CAL8	100	3.597362E+08	3597362.000	8.54
1B22071-CAL9	200	7.287231E+08	3643615.000	8.54

AVE RF **3289208.000** RF RSD **7.94** AVE RT **8.54**

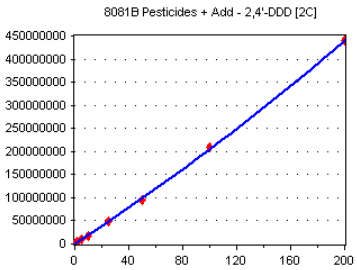
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

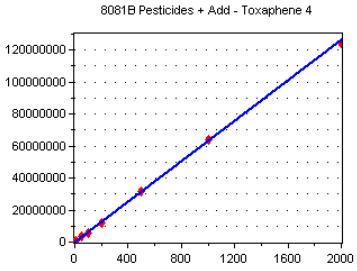


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1125638	2251276.000	8.55
1B22071-CALB	1	2566323	2566323.000	8.54
1B22071-CALC	2	3880927	1940464.000	8.54
1B22071-CALD	5	1.005104E+07	2010208.000	8.54
1B22071-CALE	10	1.755197E+07	1755197.000	8.54
1B22071-CALF	25	4.863862E+07	1945545.000	8.54
1B22071-CALG	50	9.491444E+07	1898289.000	8.54
1B22071-CALH	100	2.101131E+08	2101131.000	8.54
1B22071-CALI	200	4.395389E+08	2197695.000	8.54

AVE RF **2074014.000** RF RSD **11.57** AVE RT **8.54**

Toxaphene 4

Curve Fit: **AVERAGE RF**

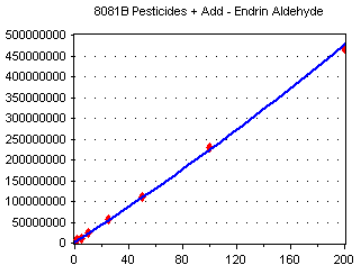


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	682782	68278.200	8.67
1B22071-CALR	50	3231157	64623.140	8.66
1B22071-CALS	100	5961327	59613.270	8.66
1B22071-CALT	200	1.205706E+07	60285.300	8.66
1B22071-CALU	500	3.14519E+07	62903.800	8.66
1B22071-CALV	1000	6.379726E+07	63797.260	8.66
1B22071-CALW	2000	1.241306E+08	62065.300	8.66

AVE RF **63080.900** RF RSD **4.61** AVE RT **8.66**

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

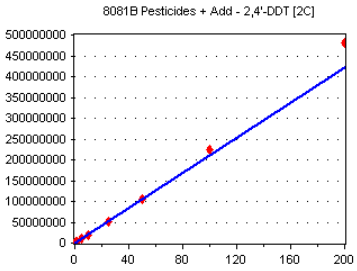


Standard	Concentration	Response	Response Factor	RT
~~1B25056-CAL1~~	~~0.5~~	~~2068221~~	~~4136442.000~~	~~8.74~~
~~1B25056-CAL2~~	~~1~~	~~3391517~~	~~3391517.000~~	~~8.74~~
1B22071-CAL3	2	7072015	3536008.000	8.73
1B22071-CAL4	5	1.183912E+07	2367824.000	8.73
1B22071-CAL5	10	2.389545E+07	2389545.000	8.73
1B22071-CAL6	25	5.748063E+07	2299225.000	8.73
1B22071-CAL7	50	1.109861E+08	2219722.000	8.73
1B22071-CAL8	100	2.296063E+08	2296063.000	8.73
1B22071-CAL9	200	4.687347E+08	2343674.000	8.73

AVE RF **2493151.000** RF RSD **18.58** AVE RT **8.73**

2,4'-DDT [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1012093	2024186.000	8.77
1B22071-CALB	1	2378708	2378708.000	8.77
1B22071-CALC	2	3803369	1901685.000	8.77
1B22071-CALD	5	1.024344E+07	2048688.000	8.76
1B22071-CALE	10	1.796933E+07	1796933.000	8.76
1B22071-CALF	25	5.07368E+07	2029472.000	8.77
1B22071-CALG	50	1.0504E+08	2100800.000	8.77
1B22071-CALH	100	2.249728E+08	2249728.000	8.77
1B22071-CALI	200	4.815787E+08	2407894.000	8.77

AVE RF **2104233.000** RF RSD **9.79** AVE RT **8.77**

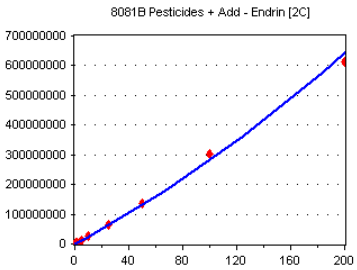
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Endrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

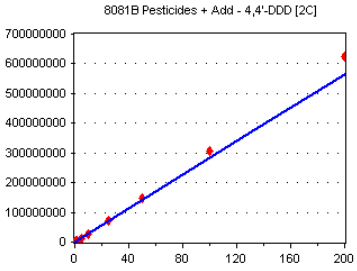


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1305037	2610074.000	8.77
1B25056-CAL2	1	2122366	2122366.000	8.77
1B22071-CAL3	2	4710797	2355399.000	8.77
1B22071-CAL4	5	1.207404E+07	2414808.000	8.77
1B22071-CAL5	10	2.535882E+07	2535882.000	8.77
1B22071-CAL6	25	6.40652E+07	2562608.000	8.77
1B22071-CAL7	50	1.367109E+08	2734218.000	8.77
1B22071-CAL8	100	3.04506E+08	3045060.000	8.77
1B22071-CAL9	200	6.135169E+08	3067585.000	8.77

AVE RF **2605333.000** RF RSD **11.85** AVE RT **8.77**

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

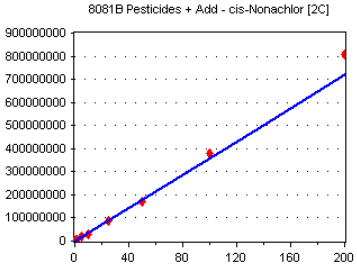


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1546397	3092794.000	8.81
1B25056-CAL2	1	2541451	2541451.000	8.81
1B22071-CAL3	2	5215526	2607763.000	8.81
1B22071-CAL4	5	1.255352E+07	2510704.000	8.81
1B22071-CAL5	10	2.702861E+07	2702861.000	8.81
1B22071-CAL6	25	7.035088E+07	2814035.000	8.81
1B22071-CAL7	50	1.485687E+08	2971374.000	8.81
1B22071-CAL8	100	3.063072E+08	3063072.000	8.81
1B22071-CAL9	200	6.248237E+08	3124119.000	8.81

AVE RF **2825353.000** RF RSD **8.68** AVE RT **8.81**

cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

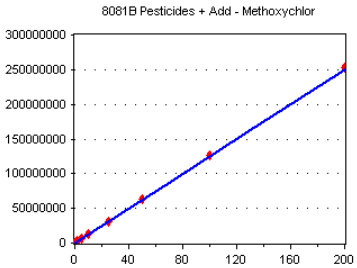


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1870927	3741854.000	8.82
1B22071-CALB	1	3967974	3967974.000	8.81
1B22071-CALC	2	6554264	3277132.000	8.81
1B22071-CALD	5	1.736612E+07	3473224.000	8.81
1B22071-CALE	10	3.119877E+07	3119877.000	8.81
1B22071-CALF	25	8.722939E+07	3489176.000	8.82
1B22071-CALG	50	1.69943E+08	3398860.000	8.81
1B22071-CALH	100	3.803238E+08	3803238.000	8.81
1B22071-CALI	200	8.059818E+08	4029909.000	8.81

AVE RF **3589027.000** RF RSD **8.72** AVE RT **8.81**

Methoxychlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	666585	1333170.000	8.84
1B25056-CAL2	1	1092433	1092433.000	8.84
1B22071-CAL3	2	2635891	1317946.000	8.83
1B22071-CAL4	5	6142820	1228564.000	8.83
1B22071-CAL5	10	1.258334E+07	1258334.000	8.83
1B22071-CAL6	25	3.10164E+07	1240656.000	8.83
1B22071-CAL7	50	6.264276E+07	1252855.000	8.83
1B22071-CAL8	100	1.267563E+08	1267563.000	8.83
1B22071-CAL9	200	2.535282E+08	1267641.000	8.83

AVE RF **1251018.000** RF RSD **5.48** AVE RT **8.83**

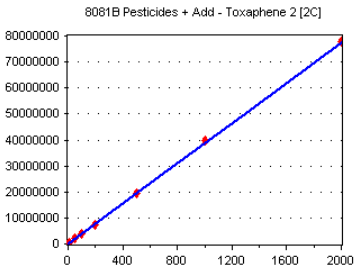
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

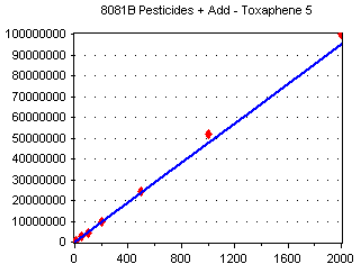


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	394935	39493.500	8.88
1B22071-CALR	50	1961244	39224.880	8.87
1B22071-CALS	100	3725171	37251.710	8.87
1B22071-CALT	200	7397244	36986.220	8.87
1B22071-CALU	500	1.924653E+07	38493.060	8.87
1B22071-CALV	1000	3.989589E+07	39895.890	8.87
1B22071-CALW	2000	7.765782E+07	38828.910	8.87

AVE RF **38596.310** RF RSD **2.87** AVE RT **8.87**

Toxaphene 5

Curve Fit: **AVERAGE RF**

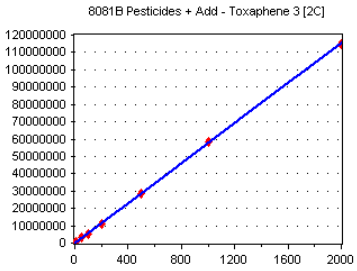


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	400097	40009.700	8.90
1B22071-CALR	50	2449110	48982.200	8.90
1B22071-CALS	100	4547161	45471.610	8.90
1B22071-CALT	200	9534372	47671.860	8.90
1B22071-CALU	500	2.432969E+07	48659.380	8.90
1B22071-CALV	1000	5.187006E+07	51870.060	8.90
1B22071-CALW	2000	9.991326E+07	49956.630	8.90

AVE RF **47517.350** RF RSD **8.10** AVE RT **8.90**

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

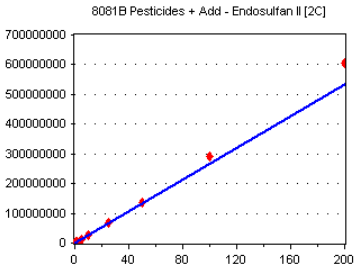


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	638427	63842.700	8.91
1B22071-CALR	50	2972853	59457.060	8.91
1B22071-CALS	100	5410474	54104.740	8.91
1B22071-CALT	200	1.079332E+07	53966.600	8.90
1B22071-CALU	500	2.846282E+07	56925.640	8.90
1B22071-CALV	1000	5.869122E+07	58691.220	8.90
1B22071-CALW	2000	1.146266E+08	57313.300	8.90

AVE RF **57757.320** RF RSD **5.89** AVE RT **8.90**

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1428372	2856744.000	8.92
1B25056-CAL2	1	2356801	2356801.000	8.92
1B22071-CAL3	2	5106823	2553412.000	8.91
1B22071-CAL4	5	1.210532E+07	2421064.000	8.92
1B22071-CAL5	10	2.526932E+07	2526932.000	8.91
1B22071-CAL6	25	6.736833E+07	2694733.000	8.91
1B22071-CAL7	50	1.344712E+08	2689424.000	8.91
1B22071-CAL8	100	2.915134E+08	2915134.000	8.91
1B22071-CAL9	200	6.043981E+08	3021991.000	8.91

AVE RF **2670693.000** RF RSD **8.52** AVE RT **8.91**

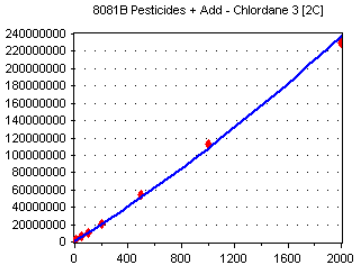
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Chlordane 3 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

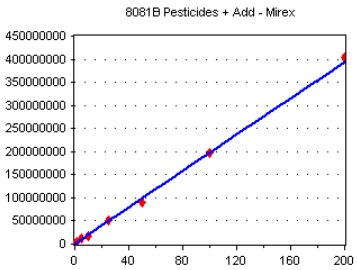


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL4	10	2092022	209202.200	8.96
1B22071-CALK	50	5948956	118979.100	8.95
1B22071-CALL	100	1.016566E+07	101656.600	8.95
1B22071-CALM	200	2.047391E+07	102369.500	8.95
1B22071-CALN	500	5.491346E+07	109826.900	8.95
1B22071-CALO	1000	1.133639E+08	113363.900	8.95
1B22071-CALP	2000	2.301942E+08	115097.100	8.95

AVE RF **124356.500** RF RSD **30.52** AVE RT **8.95**

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

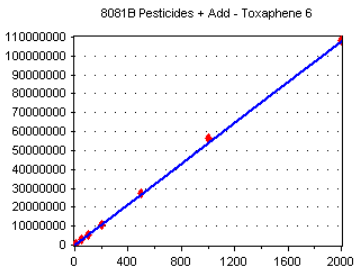


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1264305	2528610.000	8.97
1B22071-CALB	1	2639289	2639289.000	8.96
1B22071-CALC	2	4332283	2166142.000	8.96
1B22071-CALD	5	1.126488E+07	2252976.000	8.96
1B22071-CALE	10	1.801585E+07	1801585.000	8.96
1B22071-CALF	25	5.014785E+07	2005914.000	8.97
1B22071-CALG	50	8.998181E+07	1799636.000	8.96
1B22071-CALH	100	1.969632E+08	1969632.000	8.96
1B22071-CALI	200	4.043692E+08	2021846.000	8.96

AVE RF **2131737.000** RF RSD **13.92** AVE RT **8.96**

Toxaphene 6

Curve Fit: **AVERAGE RF**

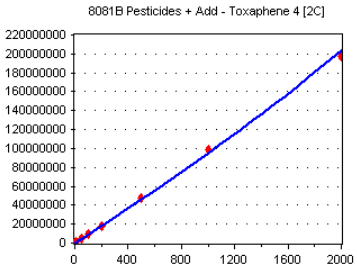


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	499987	49998.700	8.98
1B22071-CALR	50	2794370	55887.400	8.97
1B22071-CALS	100	5305290	53052.900	8.97
1B22071-CALT	200	1.068295E+07	53414.750	8.97
1B22071-CALU	500	2.71785E+07	54357.000	8.97
1B22071-CALV	1000	5.621787E+07	56217.870	8.97
1B22071-CALW	2000	1.083424E+08	54171.200	8.97

AVE RF **53871.400** RF RSD **3.85** AVE RT **8.97**

Toxaphene 4 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	1223038	122303.800	8.97
1B22071-CALR	50	4585121	91702.420	8.97
1B22071-CALS	100	9030733	90307.330	8.97
1B22071-CALT	200	1.792537E+07	89626.850	8.97
1B22071-CALU	500	4.755653E+07	95113.050	8.97
1B22071-CALV	1000	9.926321E+07	99263.210	8.97
1B22071-CALW	2000	1.97295E+08	98647.510	8.97

AVE RF **98137.740** RF RSD **11.54** AVE RT **8.97**

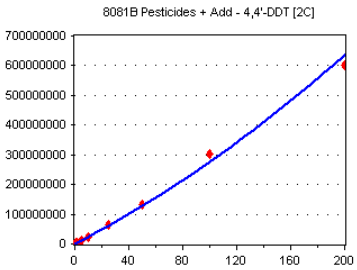
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

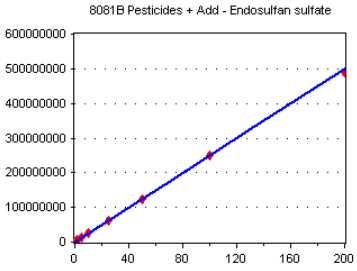


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1335145	2670290.000	9.04
1B25056-CAL2	1	2175483	2175483.000	9.04
1B22071-CAL3	2	4402871	2201436.000	9.03
1B22071-CAL4	5	1.137865E+07	2275730.000	9.03
1B22071-CAL5	10	2.392851E+07	2392851.000	9.03
1B22071-CAL6	25	6.335314E+07	2534126.000	9.03
1B22071-CAL7	50	1.342423E+08	2684846.000	9.03
1B22071-CAL8	100	3.018593E+08	3018593.000	9.03
1B22071-CAL9	200	6.016032E+08	3008016.000	9.03

AVE RF **2551263.000** RF RSD **12.58** AVE RT **9.03**

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

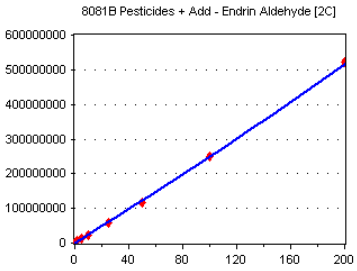


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1441708	2883416.000	9.04
1B25056-CAL2	1	2314150	2314150.000	9.04
1B22071-CAL3	2	5137902	2568951.000	9.04
1B22071-CAL4	5	1.164059E+07	2328118.000	9.04
1B22071-CAL5	10	2.530737E+07	2530737.000	9.04
1B22071-CAL6	25	6.187925E+07	2475170.000	9.04
1B22071-CAL7	50	1.226471E+08	2452942.000	9.04
1B22071-CAL8	100	2.506699E+08	2506699.000	9.04
1B22071-CAL9	200	4.901728E+08	2450864.000	9.04

AVE RF **2501227.000** RF RSD **6.66** AVE RT **9.04**

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

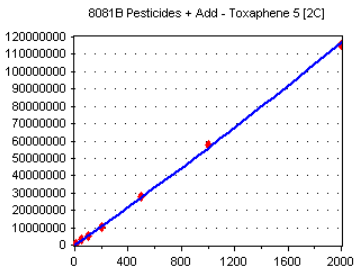


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2081253	4162506.000	9.16
1B25056-CAL2	1	3341794	3341794.000	9.15
1B22071-CAL3	2	6805826	3402913.000	9.15
1B22071-CAL4	5	1.200553E+07	2401106.000	9.15
1B22071-CAL5	10	2.376769E+07	2376769.000	9.15
1B22071-CAL6	25	5.936156E+07	2374463.000	9.15
1B22071-CAL7	50	1.182228E+08	2364456.000	9.15
1B22071-CAL8	100	2.51193E+08	2511930.000	9.15
1B22071-CAL9	200	5.206129E+08	2603065.000	9.15

AVE RF **2837667.000** RF RSD **22.74** AVE RT **9.15**

Toxaphene 5 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	739186	73918.600	9.16
1B22071-CALR	50	3077821	61556.420	9.15
1B22071-CALS	100	5204230	52042.300	9.15
1B22071-CALT	200	1.060872E+07	53043.600	9.15
1B22071-CALU	500	2.790793E+07	55815.860	9.15
1B22071-CALV	1000	5.757015E+07	57570.150	9.15
1B22071-CALW	2000	1.155387E+08	57769.350	9.15

AVE RF **58816.610** RF RSD **12.54** AVE RT **9.15**

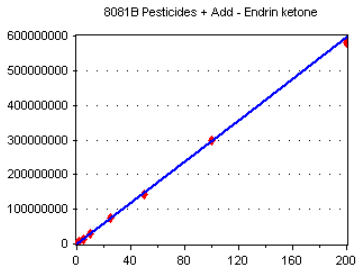
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Endrin ketone

Curve Fit: **AVERAGE RF**

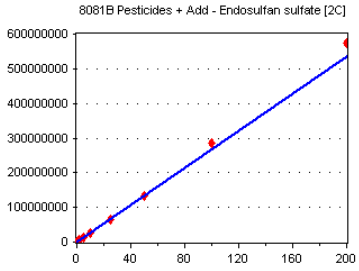


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1713787	3427574.000	9.25
1B25056-CAL2	1	2916439	2916439.000	9.24
1B22071-CAL3	2	6080574	3040287.000	9.24
1B22071-CAL4	5	1.404288E+07	2808576.000	9.24
1B22071-CAL5	10	2.931534E+07	2931534.000	9.24
1B22071-CAL6	25	7.366469E+07	2946588.000	9.24
1B22071-CAL7	50	1.429511E+08	2859022.000	9.24
1B22071-CAL8	100	2.970094E+08	2970094.000	9.24
1B22071-CAL9	200	5.817818E+08	2908909.000	9.24

AVE RF **2978780.000** RF RSD **6.06** AVE RT **9.24**

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

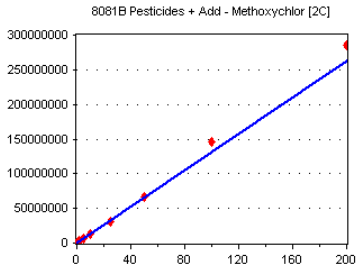


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1502423	3004846.000	9.35
1B25056-CAL2	1	2421845	2421845.000	9.35
1B22071-CAL3	2	5262376	2631188.000	9.35
1B22071-CAL4	5	1.192403E+07	2384806.000	9.35
1B22071-CAL5	10	2.557411E+07	2557411.000	9.35
1B22071-CAL6	25	6.484085E+07	2593634.000	9.35
1B22071-CAL7	50	1.34507E+08	2690140.000	9.34
1B22071-CAL8	100	2.859799E+08	2859799.000	9.35
1B22071-CAL9	200	5.749489E+08	2874745.000	9.35

AVE RF **2668713.000** RF RSD **7.88** AVE RT **9.35**

Methoxychlor [2C]

Curve Fit: **AVERAGE RF**

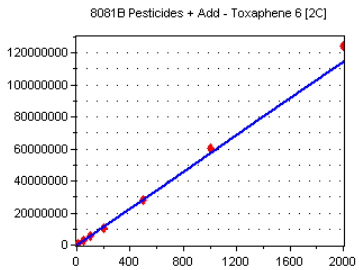


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	706809	1413618.000	9.51
1B25056-CAL2	1	1184029	1184029.000	9.51
1B22071-CAL3	2	2619141	1309571.000	9.50
1B22071-CAL4	5	6073400	1214680.000	9.50
1B22071-CAL5	10	1.252845E+07	1252845.000	9.50
1B22071-CAL6	25	3.116988E+07	1246795.000	9.50
1B22071-CAL7	50	6.636432E+07	1327286.000	9.50
1B22071-CAL8	100	1.461766E+08	1461766.000	9.50
1B22071-CAL9	200	2.8615E+08	1430750.000	9.50

AVE RF **1315704.000** RF RSD **7.63** AVE RT **9.50**

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL5	10	571304	57130.400	9.53
1B22071-CALR	50	2855345	57106.900	9.53
1B22071-CALS	100	5401052	54010.520	9.53
1B22071-CALT	200	1.079793E+07	53989.650	9.53
1B22071-CALU	500	2.83244E+07	56648.800	9.53
1B22071-CALV	1000	6.067819E+07	60678.190	9.53
1B22071-CALW	2000	1.245646E+08	62282.300	9.53

AVE RF **57406.680** RF RSD **5.44** AVE RT **9.53**

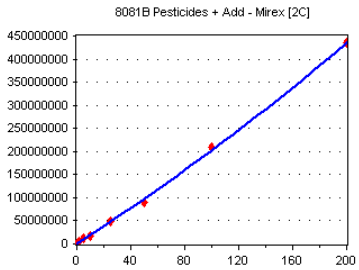
Element Calibration Review Sheet

Calibration ID: **A1B2503** Instrument: **DUALECD8** Calibration Date: **02/25/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD8_QUANTPEST_21022**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

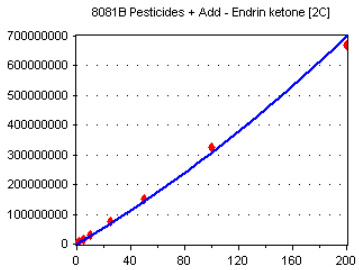


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL3	0.5	1705947	3411894.000	9.74
1B22071-CALB	1	2872803	2872803.000	9.73
1B22071-CALC	2	4436254	2218127.000	9.73
1B22071-CALD	5	1.118322E+07	2236644.000	9.73
1B22071-CALE	10	1.758972E+07	1758972.000	9.73
1B22071-CALF	25	4.937572E+07	1975029.000	9.74
1B22071-CALG	50	9.070629E+07	1814126.000	9.73
1B22071-CALH	100	2.087475E+08	2087475.000	9.73
1B22071-CALI	200	4.35235E+08	2176175.000	9.73

AVE RF **2283472.000** RF RSD **23.32** AVE RT **9.73**

Endrin ketone [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

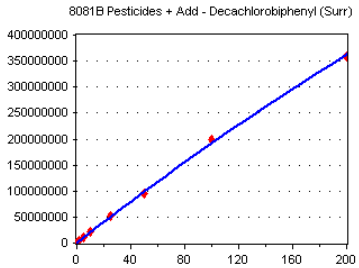


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	2282416	4564832.000	9.74
1B25056-CAL2	1	3277354	3277354.000	9.74
1B22071-CAL3	2	5714398	2857199.000	9.74
1B22071-CAL4	5	1.324635E+07	2649270.000	9.74
1B22071-CAL5	10	2.894453E+07	2894453.000	9.74
1B22071-CAL6	25	7.556327E+07	3022531.000	9.74
1B22071-CAL7	50	1.511019E+08	3022038.000	9.74
1B22071-CAL8	100	3.248155E+08	3248155.000	9.74
1B22071-CAL9	200	6.696734E+08	3348367.000	9.74

AVE RF **3209355.000** RF RSD **17.31** AVE RT **9.74**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

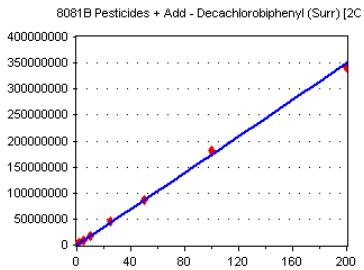


Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1554393	3108786.000	9.92
1B25056-CAL2	1	2655464	2655464.000	9.91
1B22071-CAL3	2	4862674	2431337.000	9.91
1B22071-CAL4	5	9937318	1987464.000	9.91
1B22071-CAL5	10	2.064799E+07	2064799.000	9.91
1B22071-CAL6	25	5.100088E+07	2040035.000	9.91
1B22071-CAL7	50	9.445968E+07	1889194.000	9.91
1B22071-CAL8	100	1.991503E+08	1991503.000	9.91
1B22071-CAL9	200	3.592568E+08	1796284.000	9.91

AVE RF **2218318.000** RF RSD **19.36** AVE RT **9.91**

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1B25056-CAL1	0.5	1167406	2334812.000	10.61
1B25056-CAL2	1	1991701	1991701.000	10.61
1B22071-CAL3	2	3921756	1960878.000	10.61
1B22071-CAL4	5	8113103	1622621.000	10.61
1B22071-CAL5	10	1.728505E+07	1728505.000	10.60
1B22071-CAL6	25	4.56094E+07	1824376.000	10.60
1B22071-CAL7	50	8.577448E+07	1715490.000	10.61
1B22071-CAL8	100	1.818966E+08	1818966.000	10.61
1B22071-CAL9	200	3.415903E+08	1707952.000	10.61

AVE RF **1856144.000** RF RSD **11.64** AVE RT **10.61**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additionals
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pest + Add (250mL) - Development
608.3 Pesticides (DDT Only)
608.3 Pesticides (SW)
608.3 Pesticides (SW) Full List
608.3 Pesticides (TTO)
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
1B22071-ICB1	Initial Cal Blank	Water	A21B195		2/22/2021 7:27:00PM
1B22071-CAL1	Cal Standard	Water	A21B425	"	2/22/2021 7:43:00PM
1B22071-CAL2	Cal Standard	Water	A21B426	"	2/22/2021 7:59:00PM
1B22071-CAL3	Cal Standard	Water	A21B419	"	2/22/2021 8:15:00PM
1B22071-CAL4	Cal Standard	Water	A21B420	"	2/22/2021 8:32:00PM
1B22071-CAL5	Cal Standard	Water	A21B421	"	2/22/2021 8:48:00PM
1B22071-CAL6	Cal Standard	Water	A21B422	"	2/22/2021 9:04:00PM
1B22071-CAL7	Cal Standard	Water	A21B423	"	2/22/2021 9:20:00PM
1B22071-CAL8	Cal Standard	Water	A21B424	"	2/22/2021 9:37:00PM
1B22071-CAL9	Cal Standard	Water	A21B418	"	2/22/2021 9:53:00PM
1B22071-ICV1	Initial Cal Check	Water	A20I130	"	2/22/2021 10:25:00PM
1B22071-CALA	Cal Standard	Water	A21B427	"	2/22/2021 10:41:00PM
1B22071-CALB	Cal Standard	Water	A20I180	"	2/22/2021 10:57:00PM
1B22071-CALC	Cal Standard	Water	A20I181	"	2/22/2021 11:14:00PM
1B22071-CALD	Cal Standard	Water	A20I182	"	2/22/2021 11:30:00PM
1B22071-CALE	Cal Standard	Water	A20I183	"	2/22/2021 11:46:00PM
1B22071-CALF	Cal Standard	Water	A20I184	"	2/23/2021 12:02:00AM
1B22071-CALG	Cal Standard	Water	A21A187	"	2/23/2021 12:18:00AM
1B22071-CALH	Cal Standard	Water	A21A188	"	2/23/2021 12:35:00AM
1B22071-CALI	Cal Standard	Water	A20I179	"	2/23/2021 12:51:00AM
1B22071-ICV2	Initial Cal Check	Water	A20I187	"	2/23/2021 1:23:00AM
1B22071-CALJ	Cal Standard	Water	A21B428	"	2/23/2021 1:40:00AM
1B22071-CALK	Cal Standard	Water	A20L139	"	2/23/2021 1:56:00AM
1B22071-CALL	Cal Standard	Water	A20L140	"	2/23/2021 2:12:00AM
1B22071-CALM	Cal Standard	Water	A20L141	"	2/23/2021 2:28:00AM
1B22071-CALN	Cal Standard	Water	A20L142	"	2/23/2021 2:44:00AM
1B22071-CALO	Cal Standard	Water	A20L143	"	2/23/2021 3:01:00AM
1B22071-CALP	Cal Standard	Water	A20L138	"	2/23/2021 3:17:00AM
1B22071-ICV3	Initial Cal Check	Water	A20L144	"	2/23/2021 3:49:00AM
1B22071-CALQ	Cal Standard	Water	A21B429	"	2/23/2021 4:06:00AM
1B22071-CALR	Cal Standard	Water	A20K260	"	2/23/2021 4:22:00AM
1B22071-CALS	Cal Standard	Water	A20K261	"	2/23/2021 4:38:00AM
1B22071-CALT	Cal Standard	Water	A20K262	"	2/23/2021 4:54:00AM
1B22071-CALU	Cal Standard	Water	A20K263	"	2/23/2021 5:10:00AM
1B22071-CALV	Cal Standard	Water	A20K264	"	2/23/2021 5:27:00AM
1B22071-CALW	Cal Standard	Water	A20K259	"	2/23/2021 5:43:00AM
1B22071-ICV4	Initial Cal Check	Water	A20K265	"	2/23/2021 6:15:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1B2503** Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg Li Sequence: **1B22071** Matrix: **Water**

1B22071-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

1B22071-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALK	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALL	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALM	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALN	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALO	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Chlordane (Technical)	940.0000	0.00	1000	0	
Chlordane (Technical) [2C]	940.0000	0.00	1000	0	
1B22071-CALP	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Chlordane (Technical)	940.0000	0.00	2000	0	
Chlordane (Technical) [2C]	940.0000	0.00	2000	0	
1B22071-CALQ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALR	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALS	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALT	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B22071-CALU	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B22071

1B22071-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	1000	0	
Toxaphene (Total) [2C]	940.0000	0.00	1000	0	

1B22071-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	2000	0	
Toxaphene (Total) [2C]	940.0000	0.00	2000	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A1B2503** Instrument: **DUALECD8F**

608.3 Pest + Add (250mL) - De Sequence: **1B22071** Matrix: **Water**

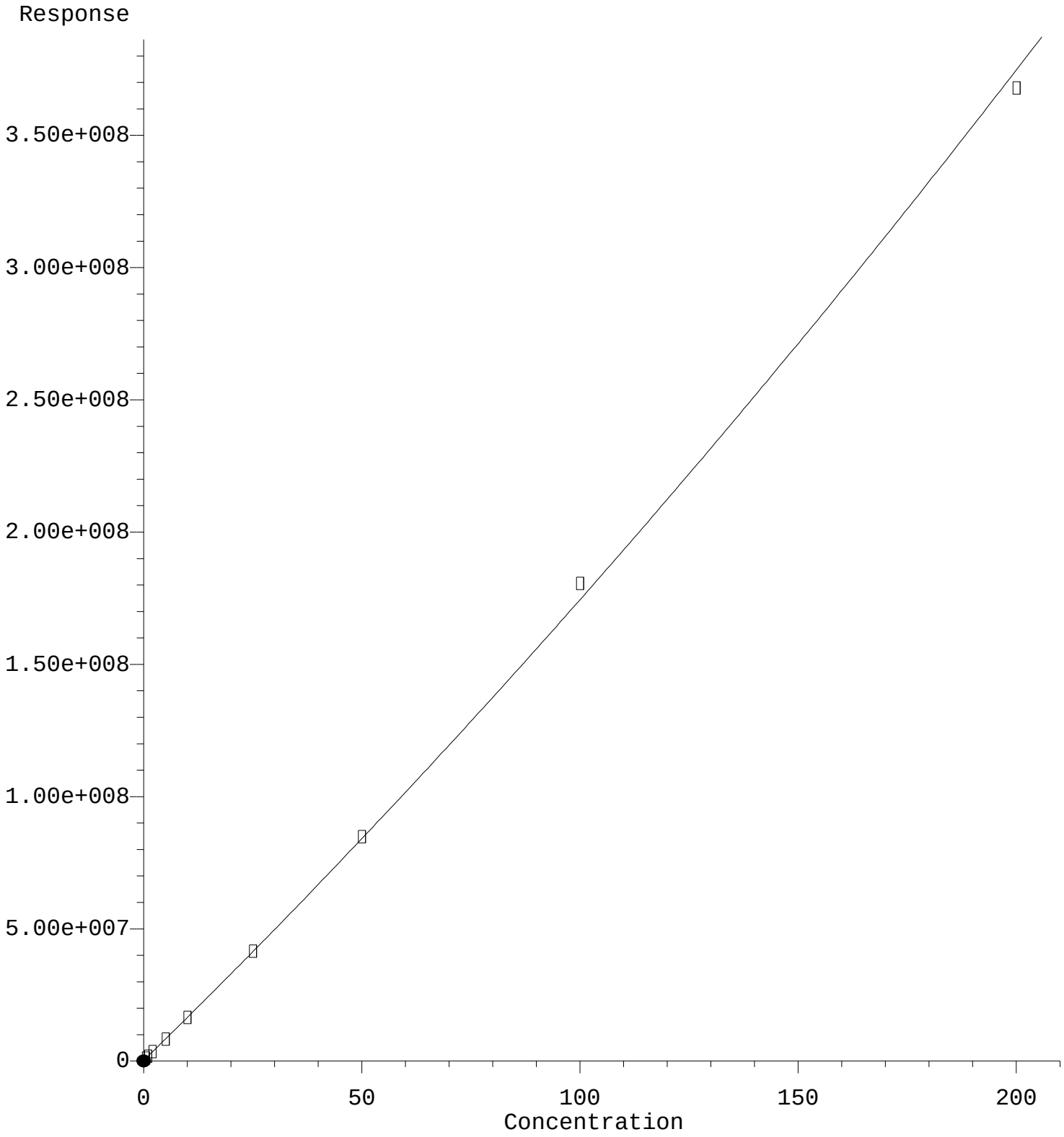
1B22071-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

1B22071-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual

1B22071-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual

1B22071-ICV4	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

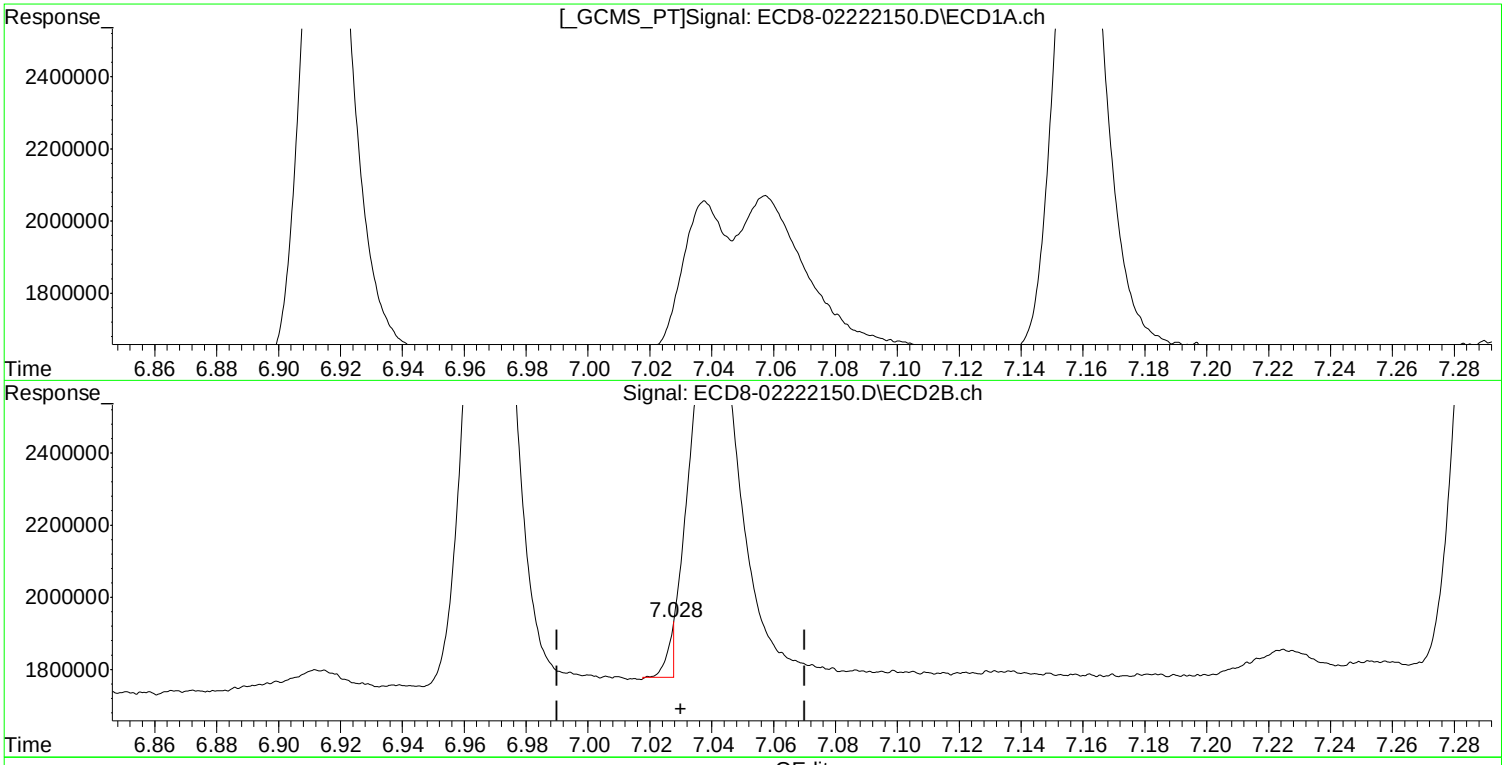


R = 1.32e+003 A*A + 1.61e+006 A + 3.15e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

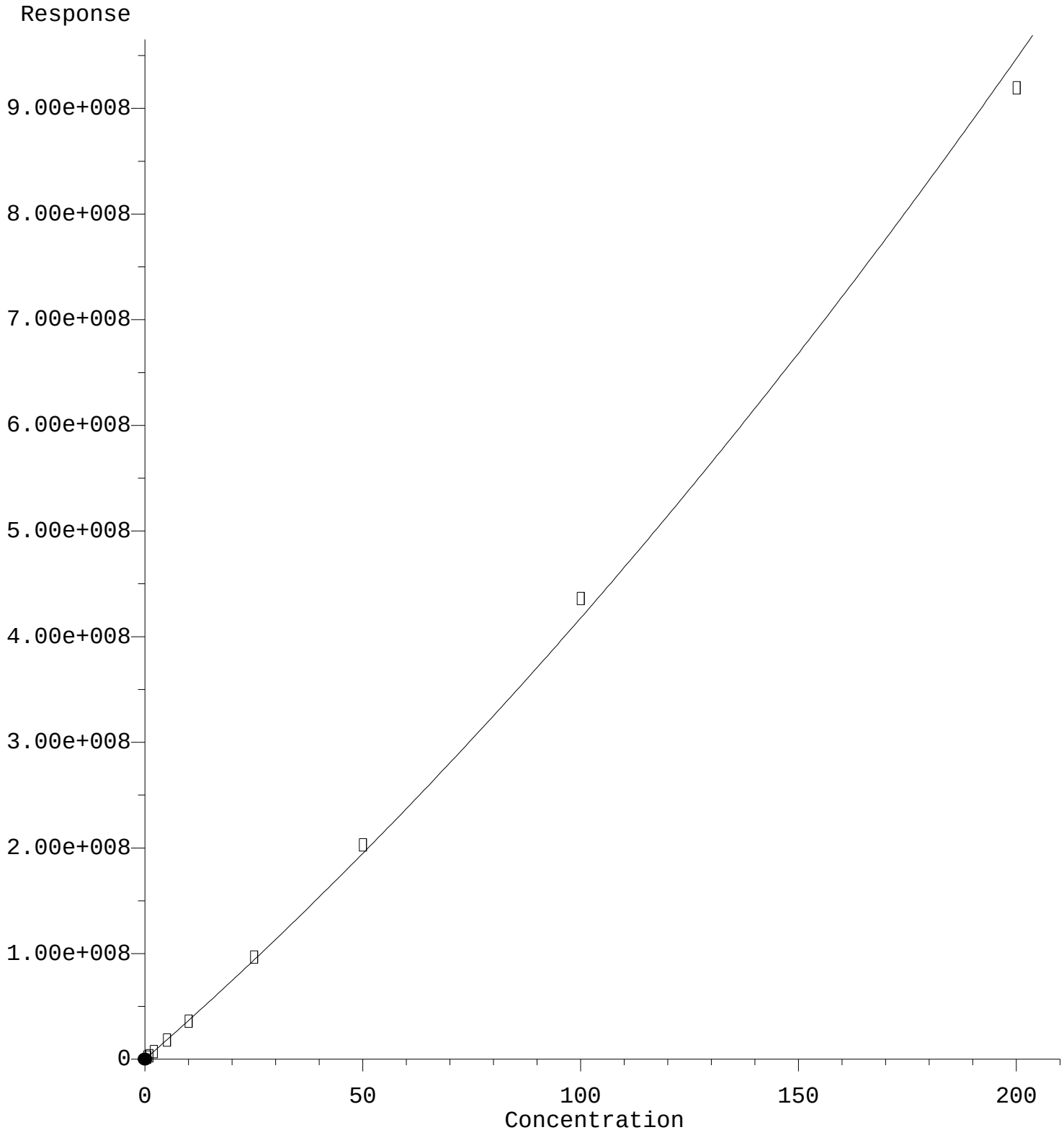
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(4) b-BHC
6.612min 0.618 ng/mL m
response 966009

(4) b-BHC #2
7.028min -0.101 ng/mL m
response 152227

(+) = Expected Retention Time

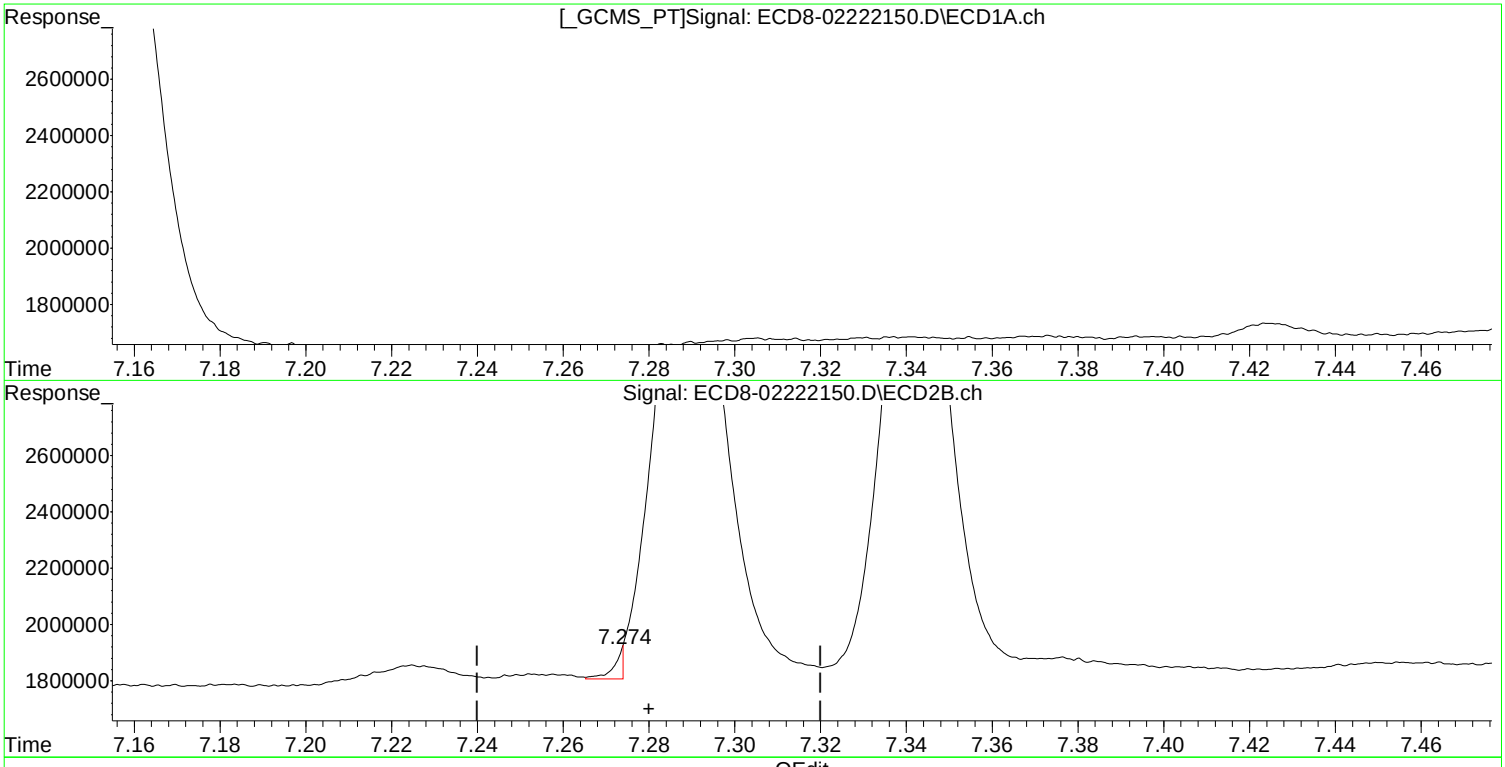


R = 5.62e+003 A*A + 3.61e+006 A + 3.67e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

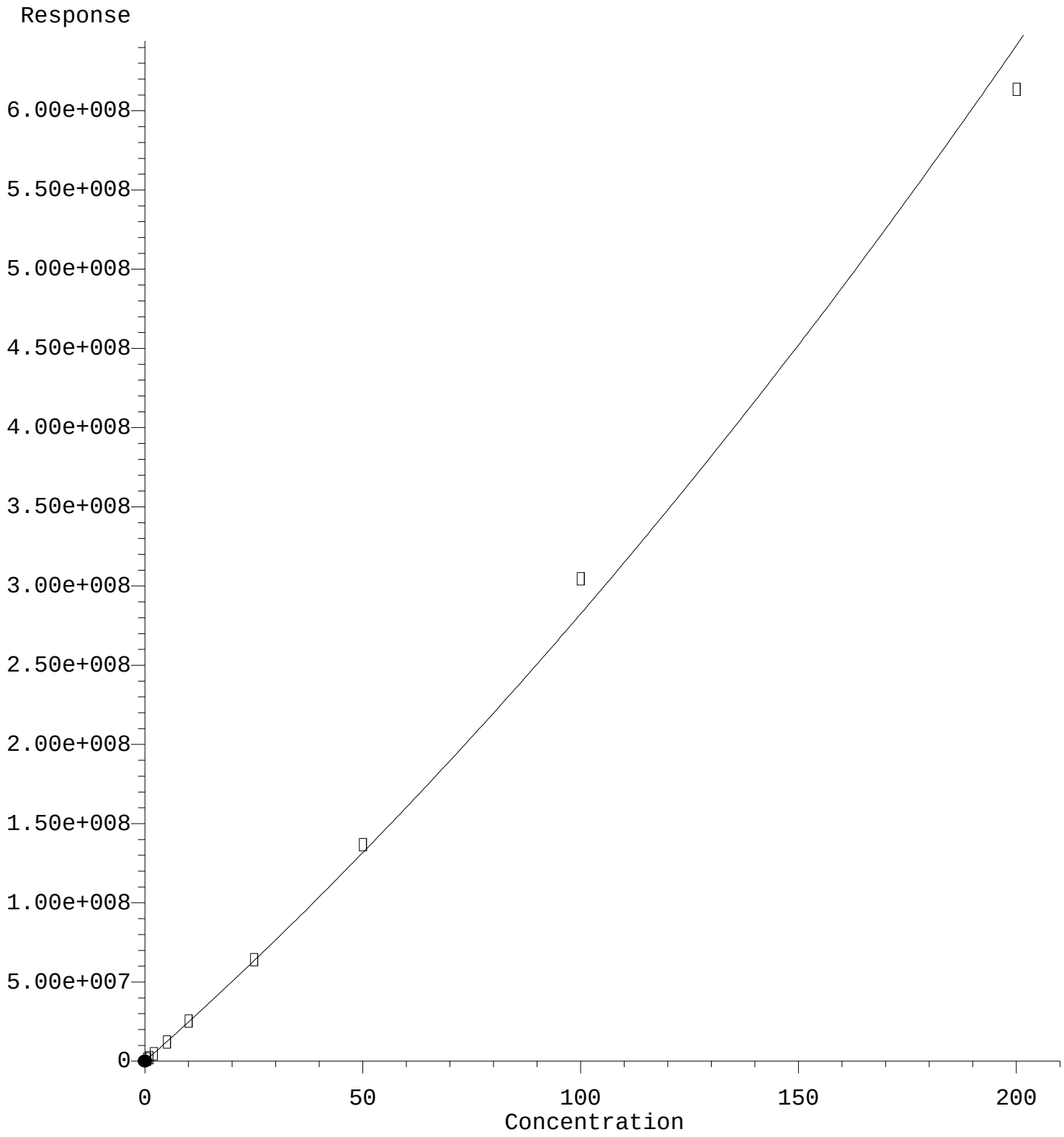
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(6) d-BHC
6.766min 0.512 ng/mL
response 1728917

(6) d-BHC #2
7.274min 0.019 ng/mL m
response 106740

(+) = Expected Retention Time

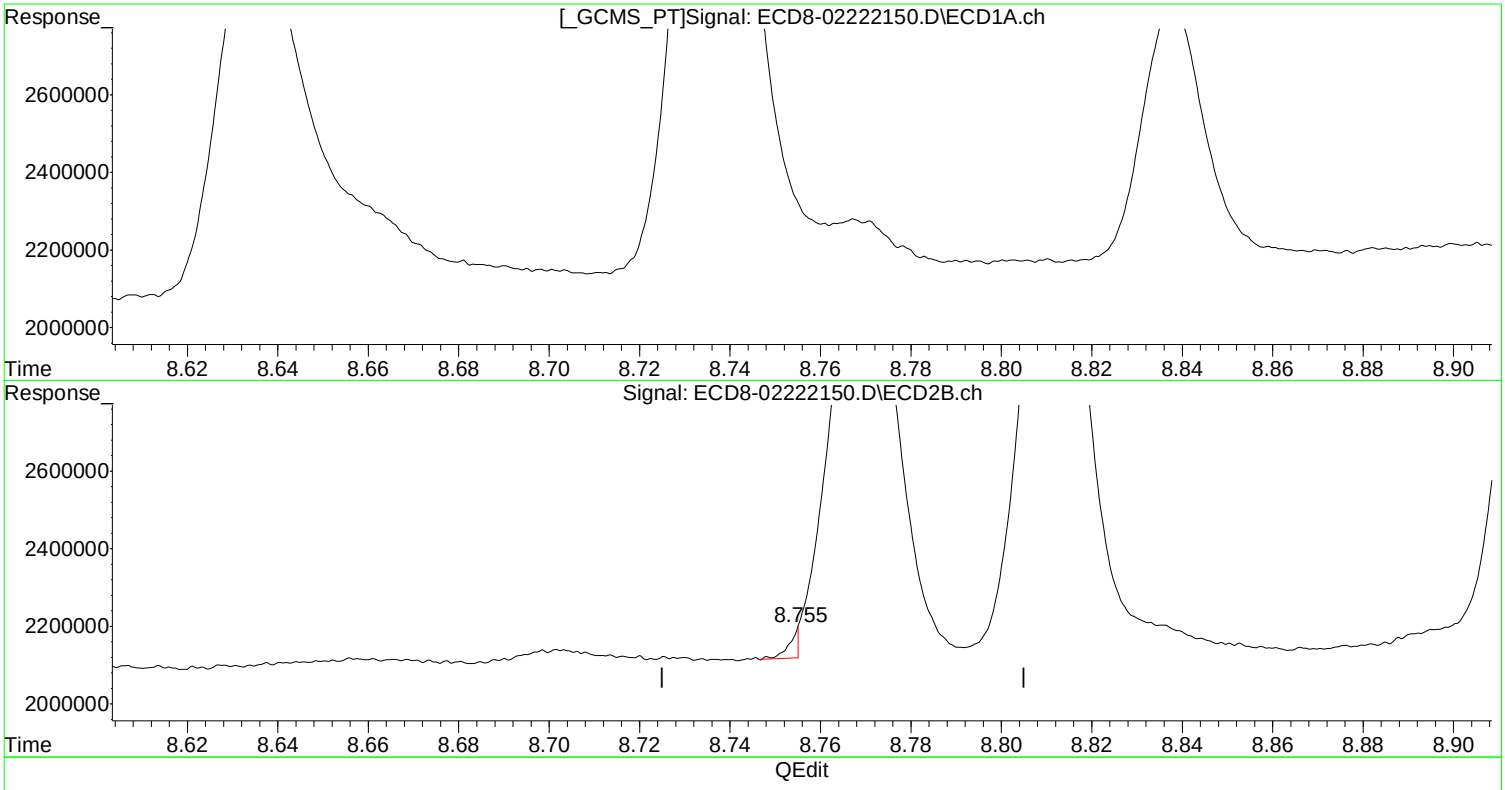


R = 3.84e+003 A*A + 2.44e+006 A - 5.69e+003
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

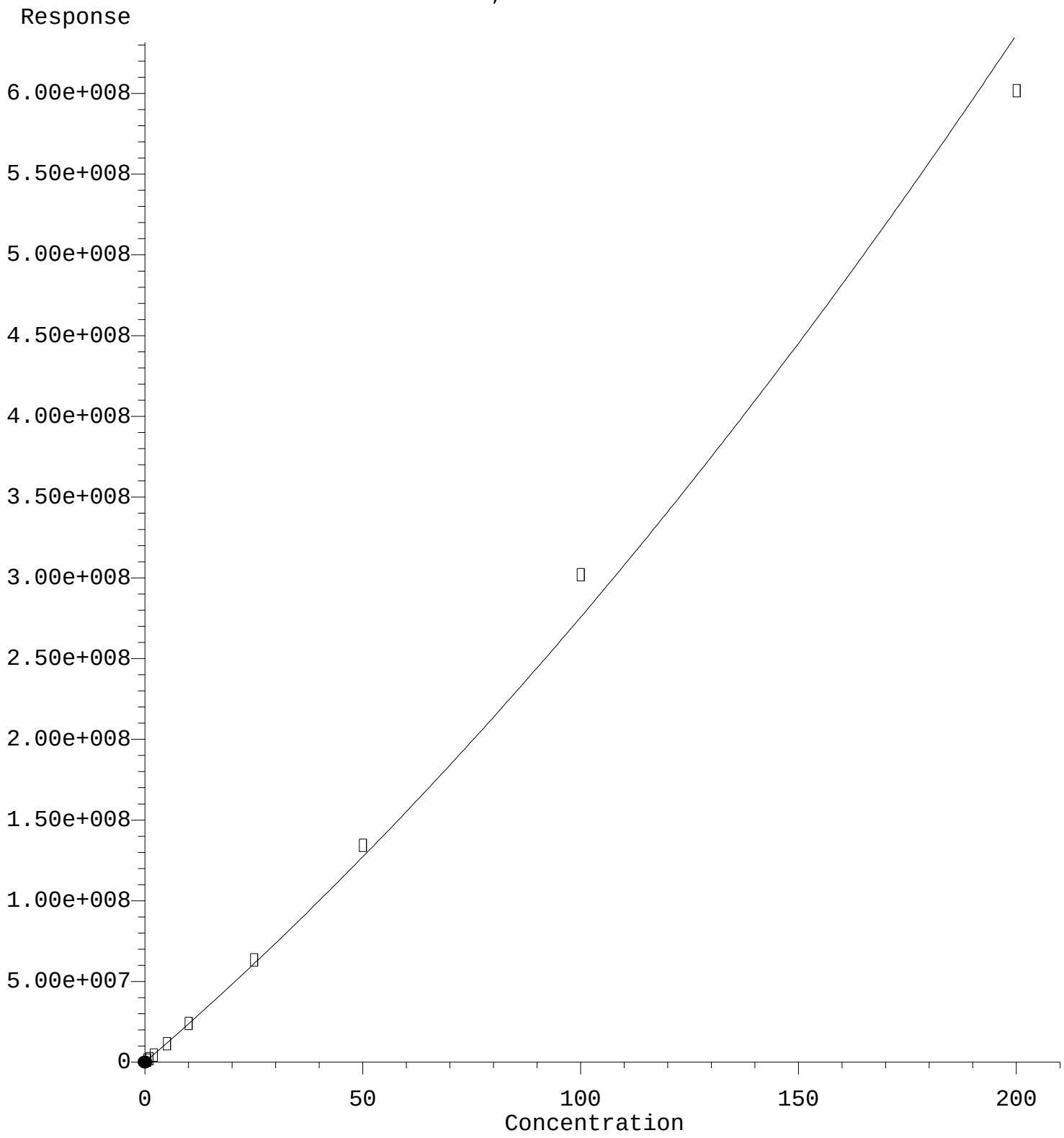
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(14) Endrin
8.274min 0.507 ng/mL
response 1311200

(14) Endrin #2
8.755min 0.035 ng/mL m
response 79354

(+) = Expected Retention Time

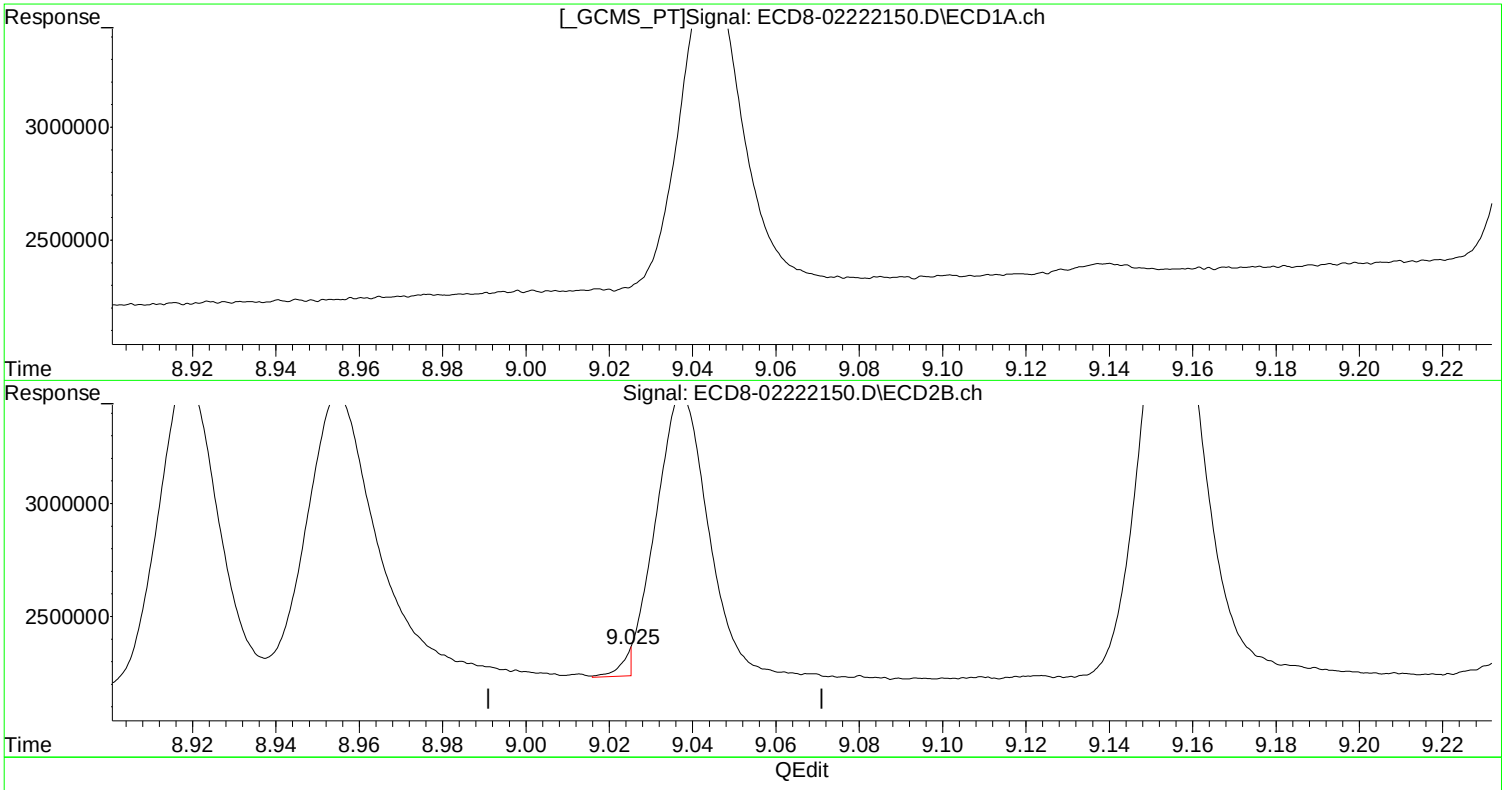


R = 4.27e+003 A*A + 2.33e+006 A + 8.56e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

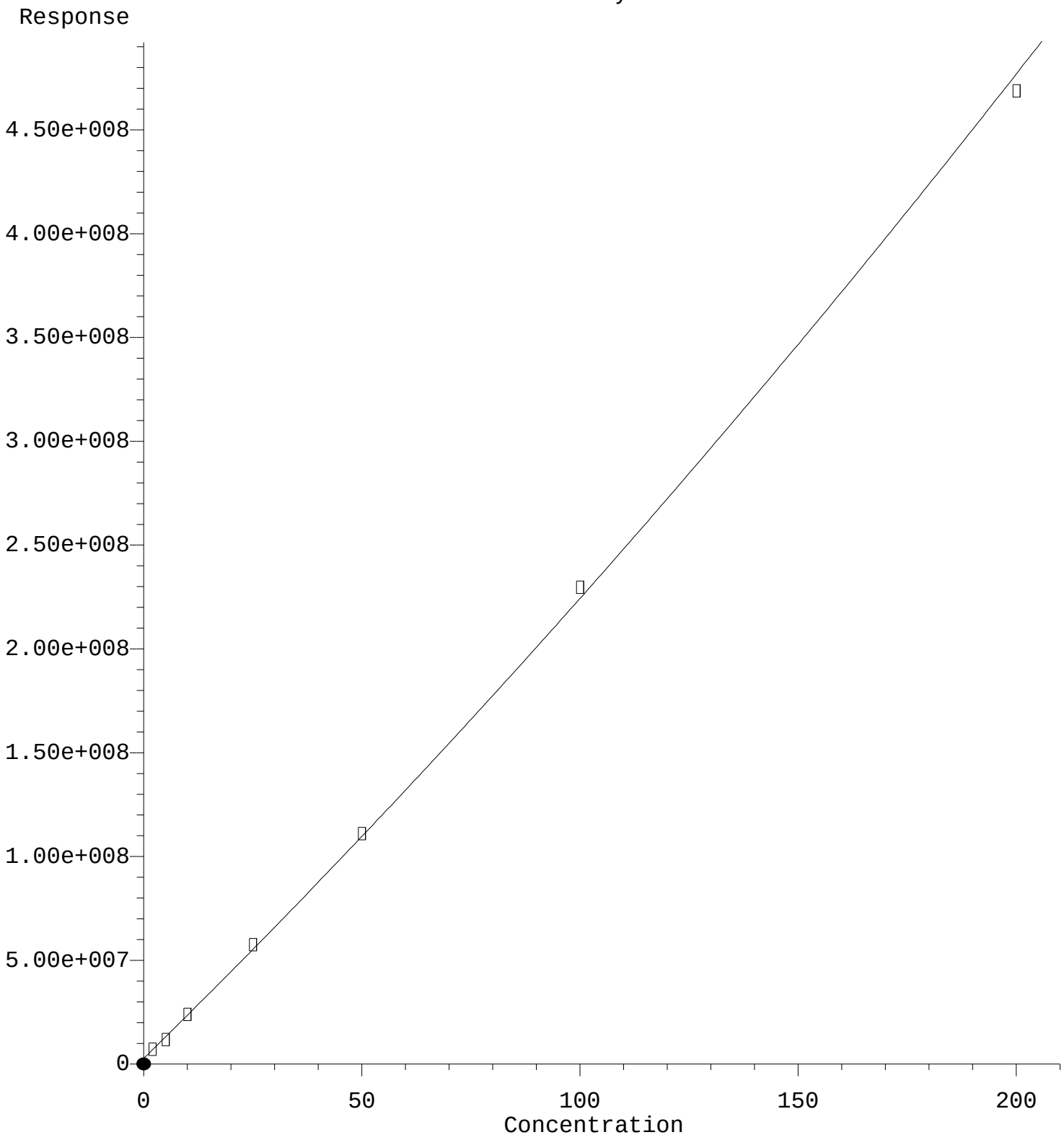
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(17) 4,4'-DDT
8.506min 0.522 ng/mL
response 1280117

(17) 4,4'-DDT #2
9.025min 0.014 ng/mL m
response 118860

(+) = Expected Retention Time



R = 1.57e+003 A*A + 2.06e+006 A + 2.78e+006
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
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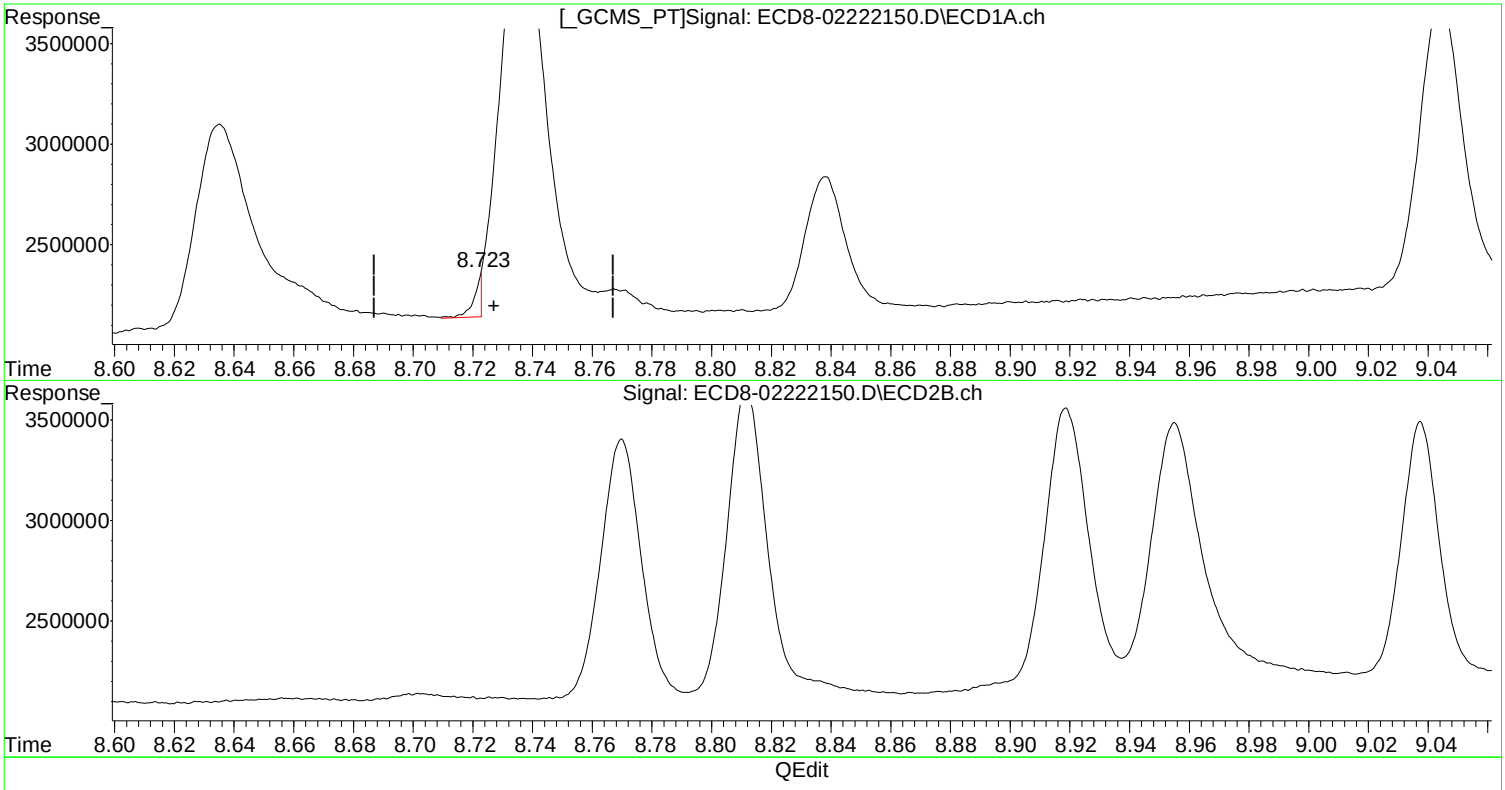
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

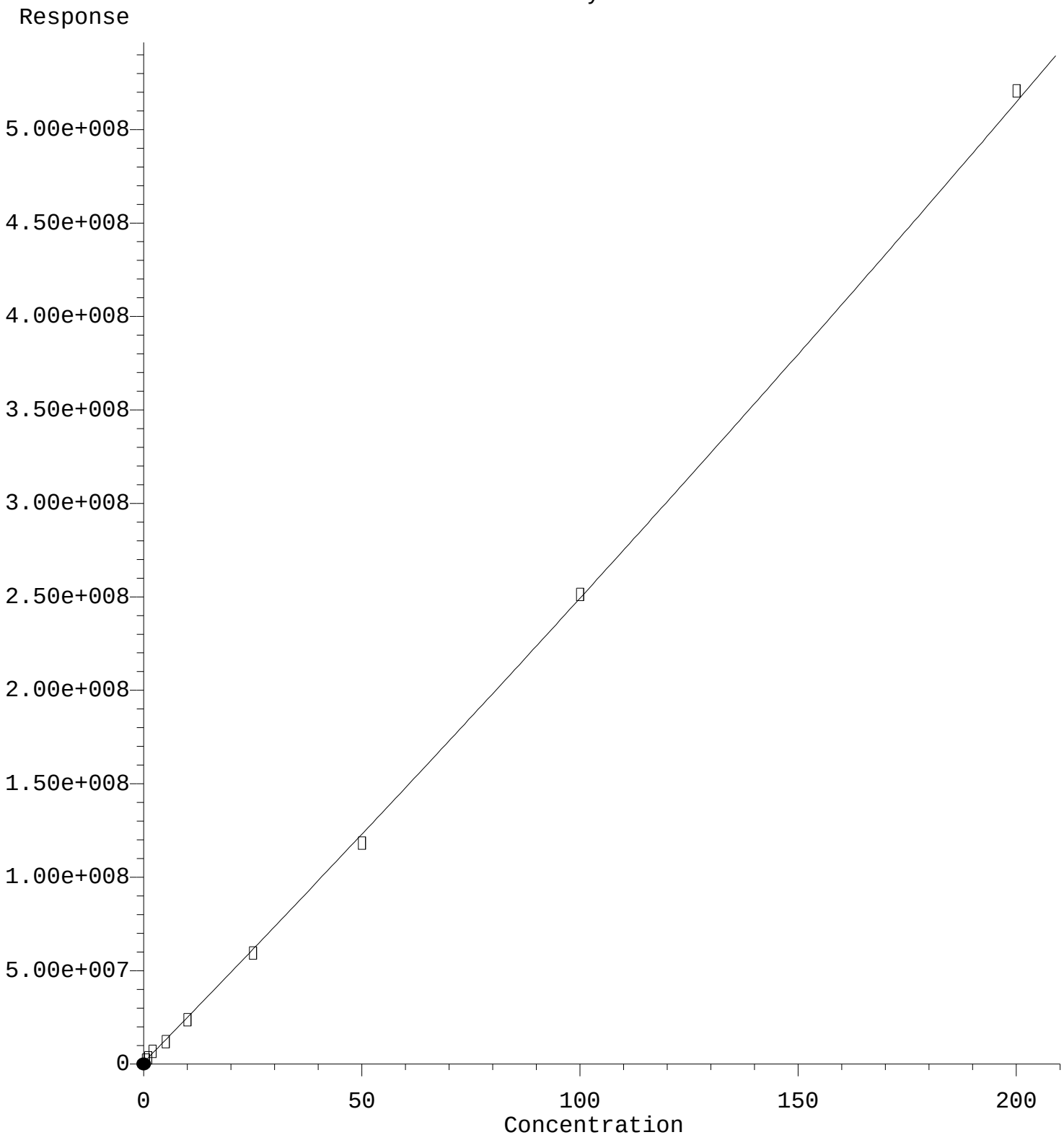
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(18) Endrin Aldehyde
8.723min -1.246 ng/mL m
response 219674

(18) Endrin Aldehyde #2
9.155min 0.477 ng/mL
response 2081253

(+) = Expected Retention Time



R = 8.69e+002 A*A + 2.40e+006 A + 9.38e+005
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

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Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
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QLast Update : Tue Feb 23 15:33:30 2021
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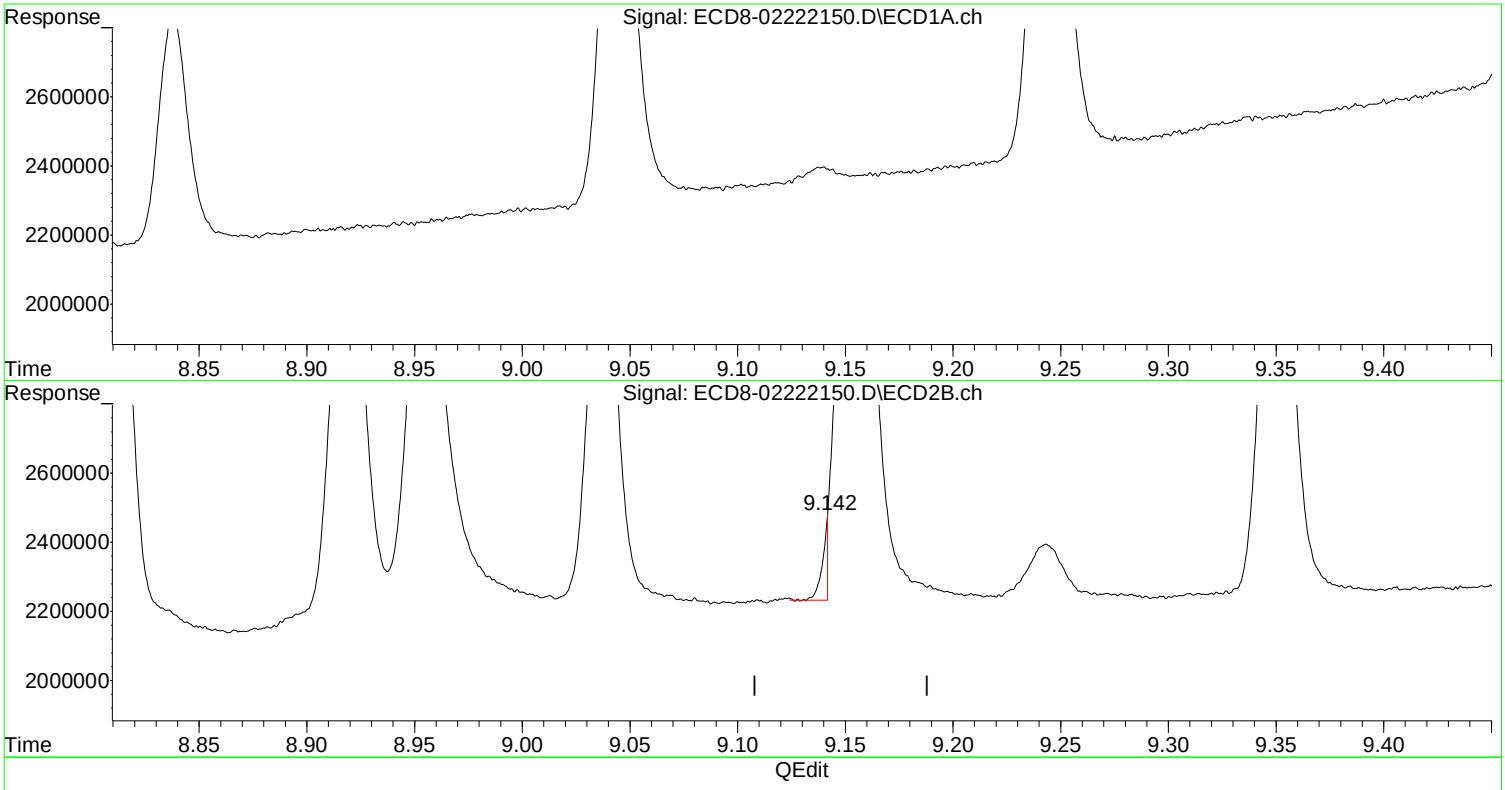
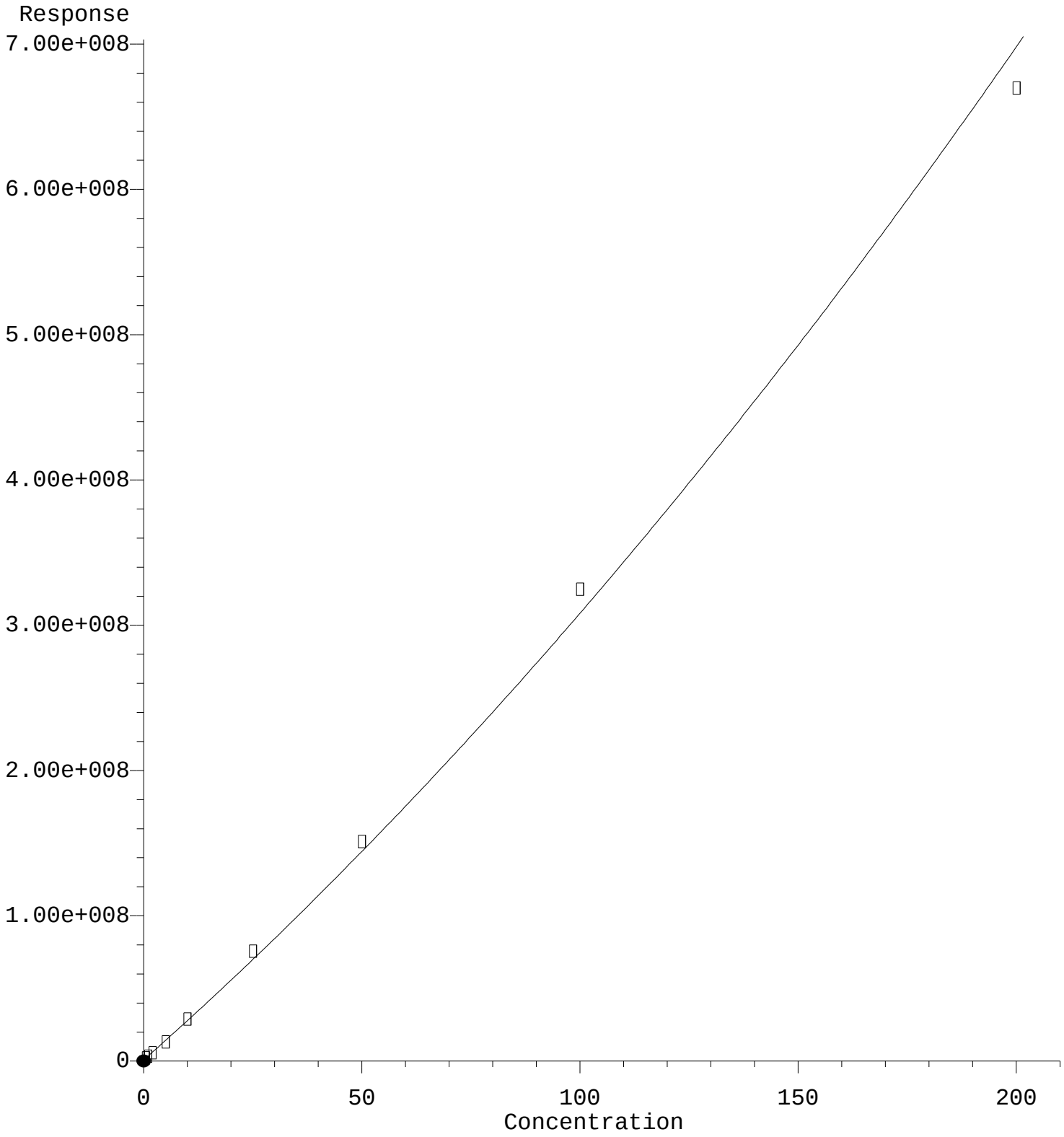
Integrator: ChemStation



(18) Endrin Aldehyde
8.723min -1.246 ng/mL m
response 219674

(18) Endrin Aldehyde #2
9.142min -0.289 ng/mL m
response 245571

(+) = Expected Retention Time



R = 4.14e+003 A*A + 2.66e+006 A + 8.57e+005
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
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Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
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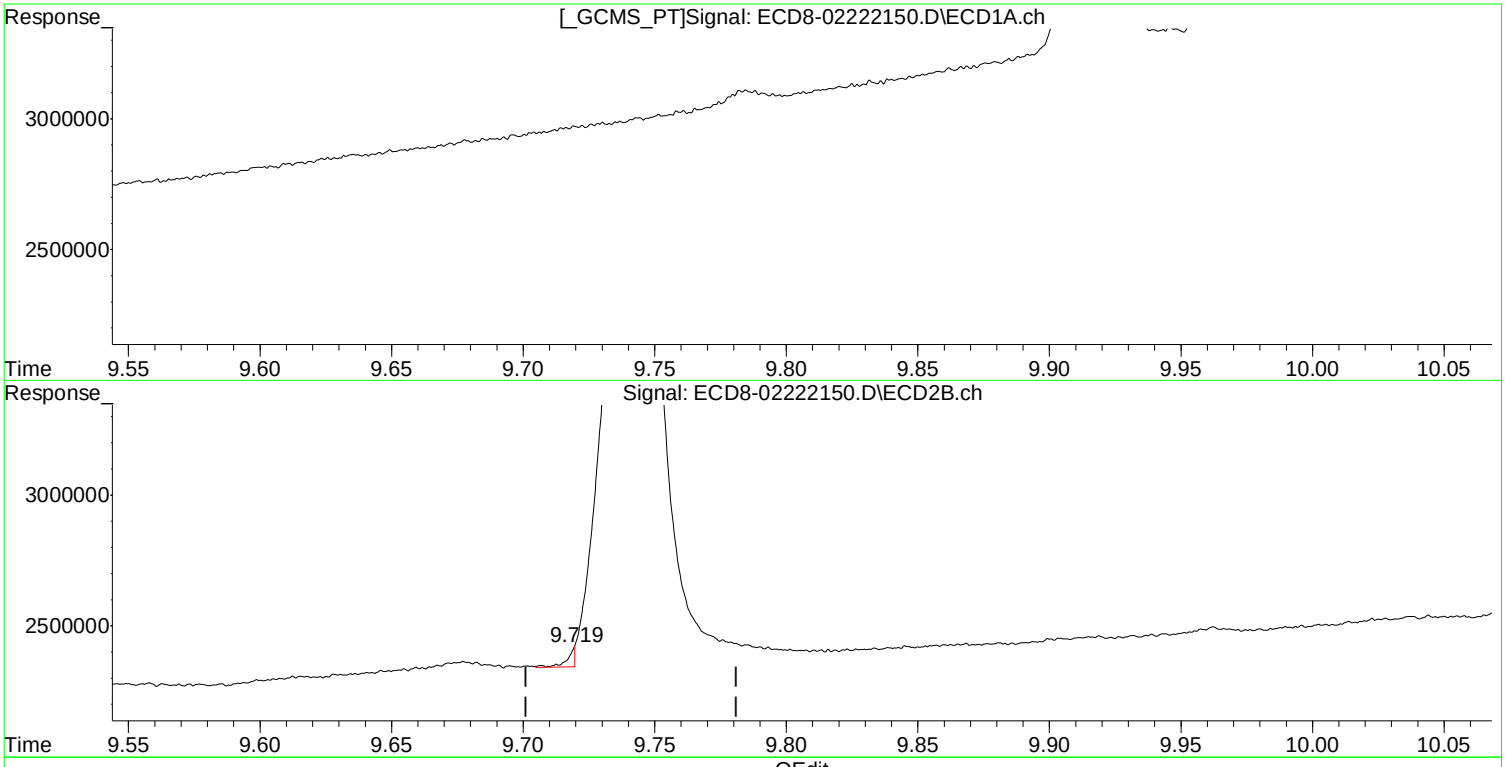
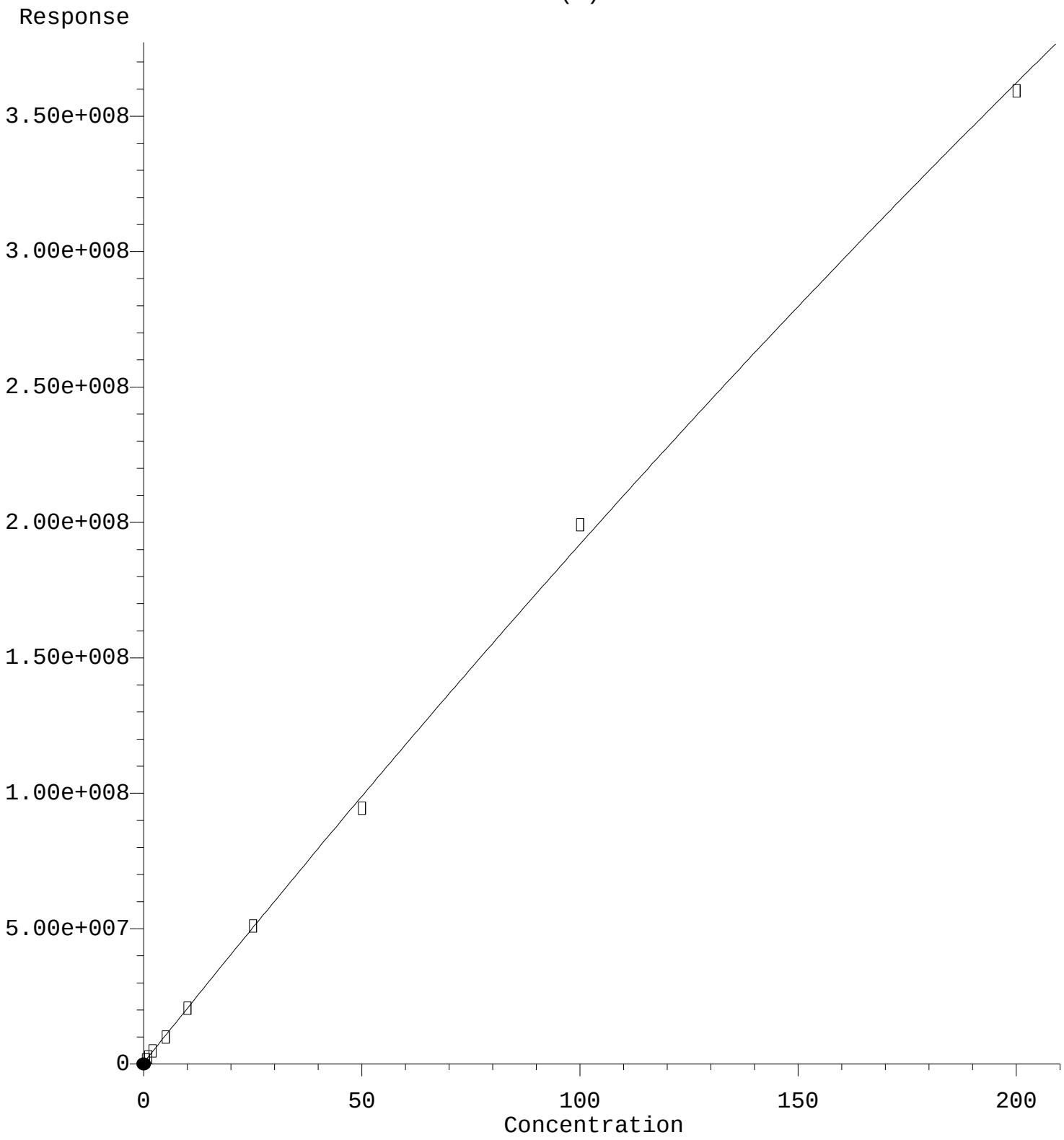
Integrator: ChemStation



(21) Endrin Ketone
9.245min 0.575 ng/mL
response 1713787

(21) Endrin Ketone #2
9.719min -0.294 ng/mL m
response 74236

(+) = Expected Retention Time



R = -1.04e+003 A*A + 2.02e+006 A + 5.72e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
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QLast Update : Tue Feb 23 15:33:30 2021
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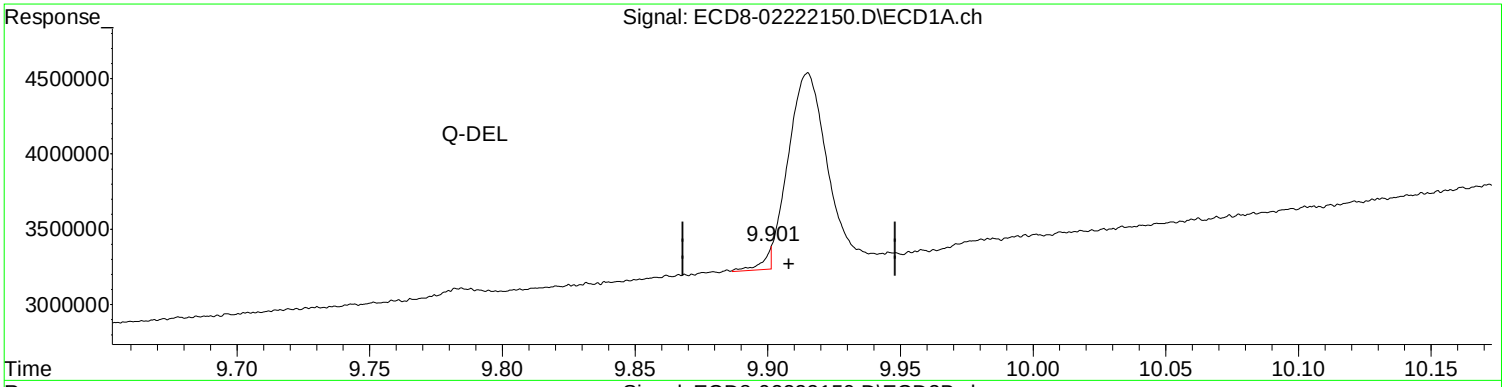
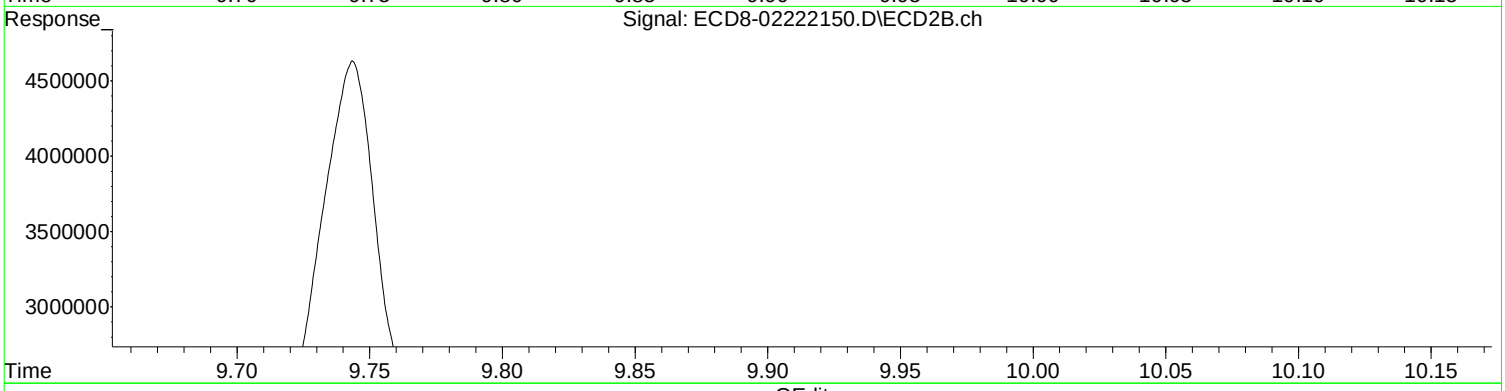


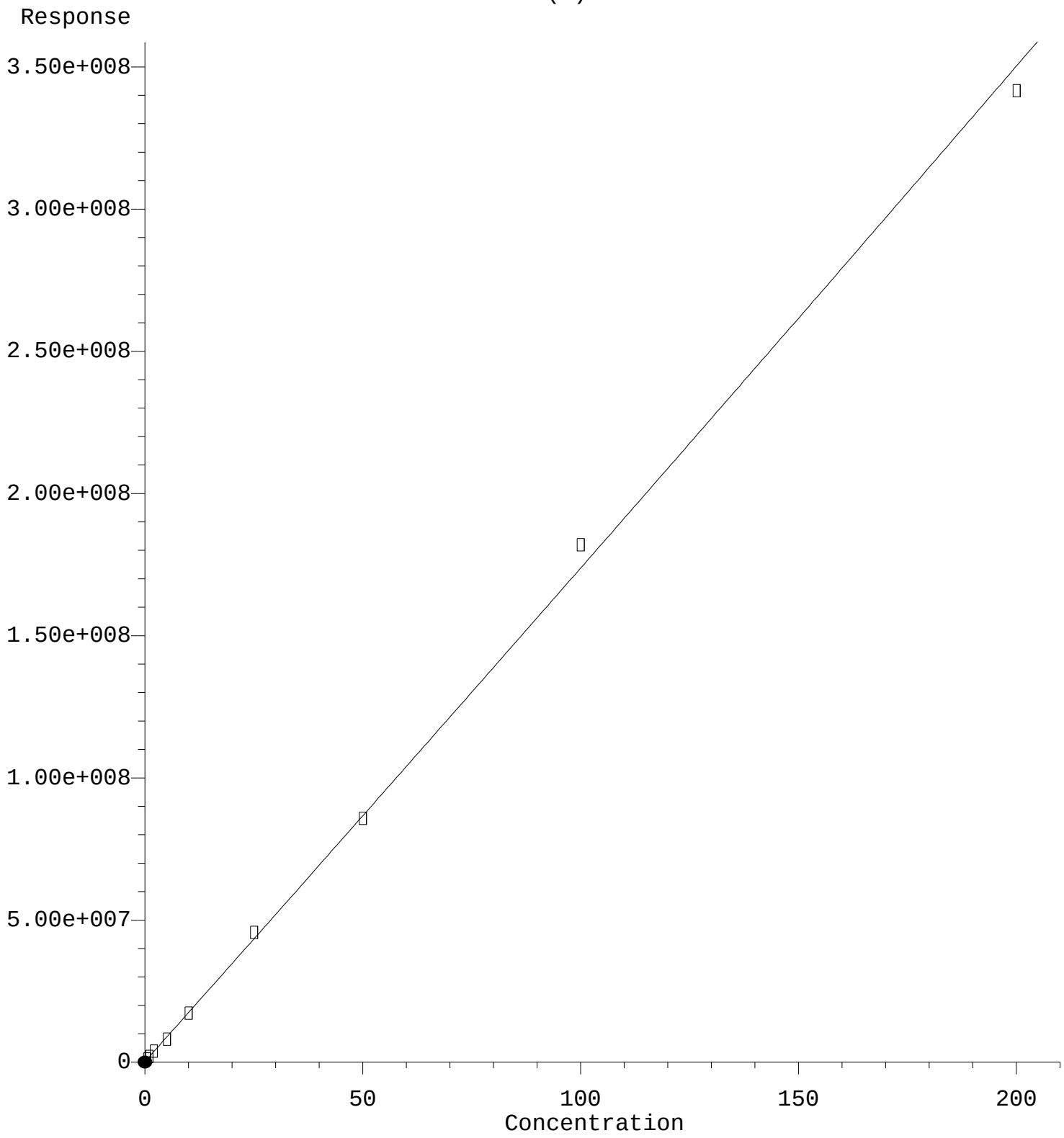


QEdit

(22) DCBP (S) (S)
~~9.901min 1931.269 ng/mL m~~
response ~~137435~~

(22) DCBP (S) #2 (S)
10.609min 0.502 ng/mL
response 1167406

(+) = Expected Retention Time



R = 1.61e+002 A*A + 1.72e+006 A + 3.04e+005
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
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Quantitation Report (Qedit)

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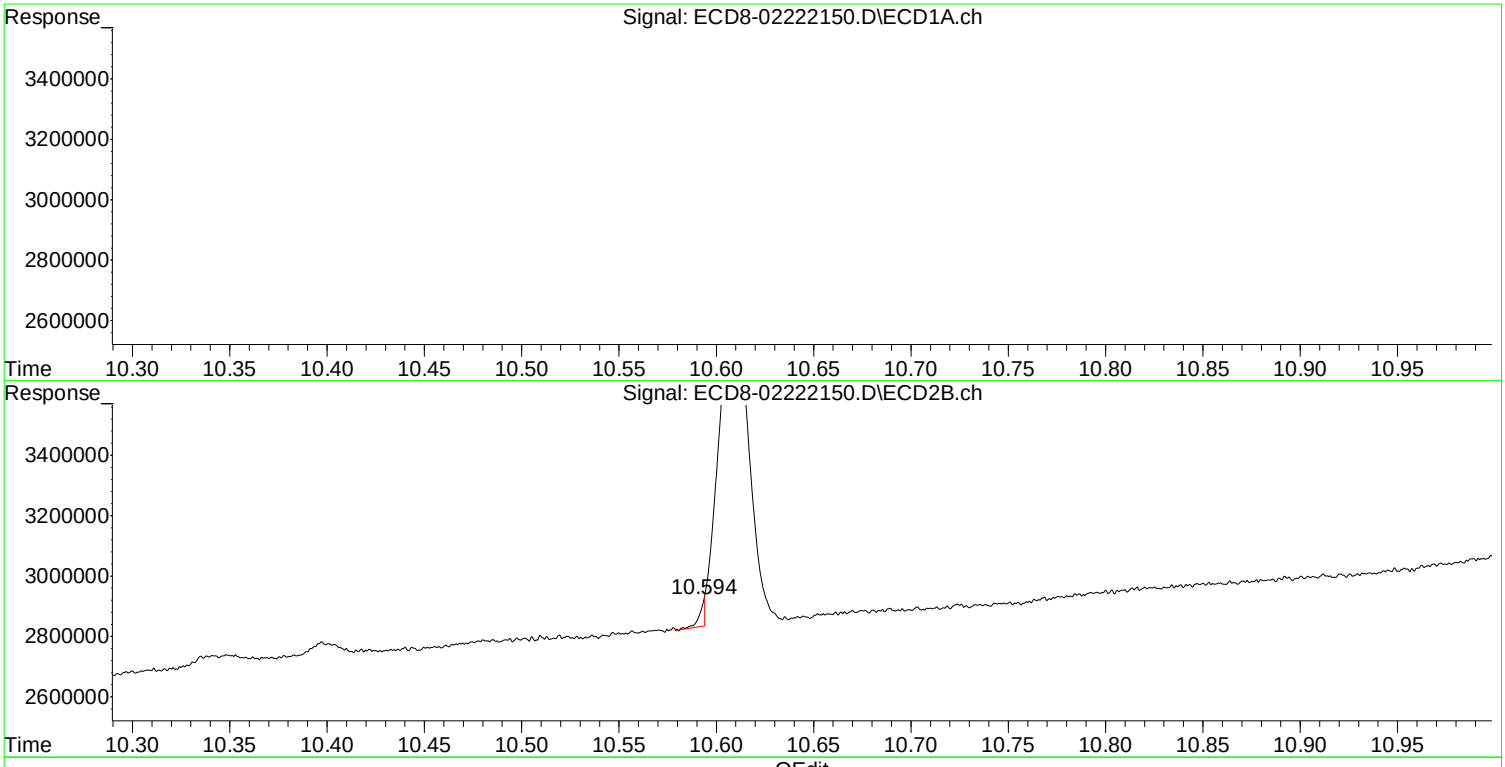
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : 1B22071-CALX
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

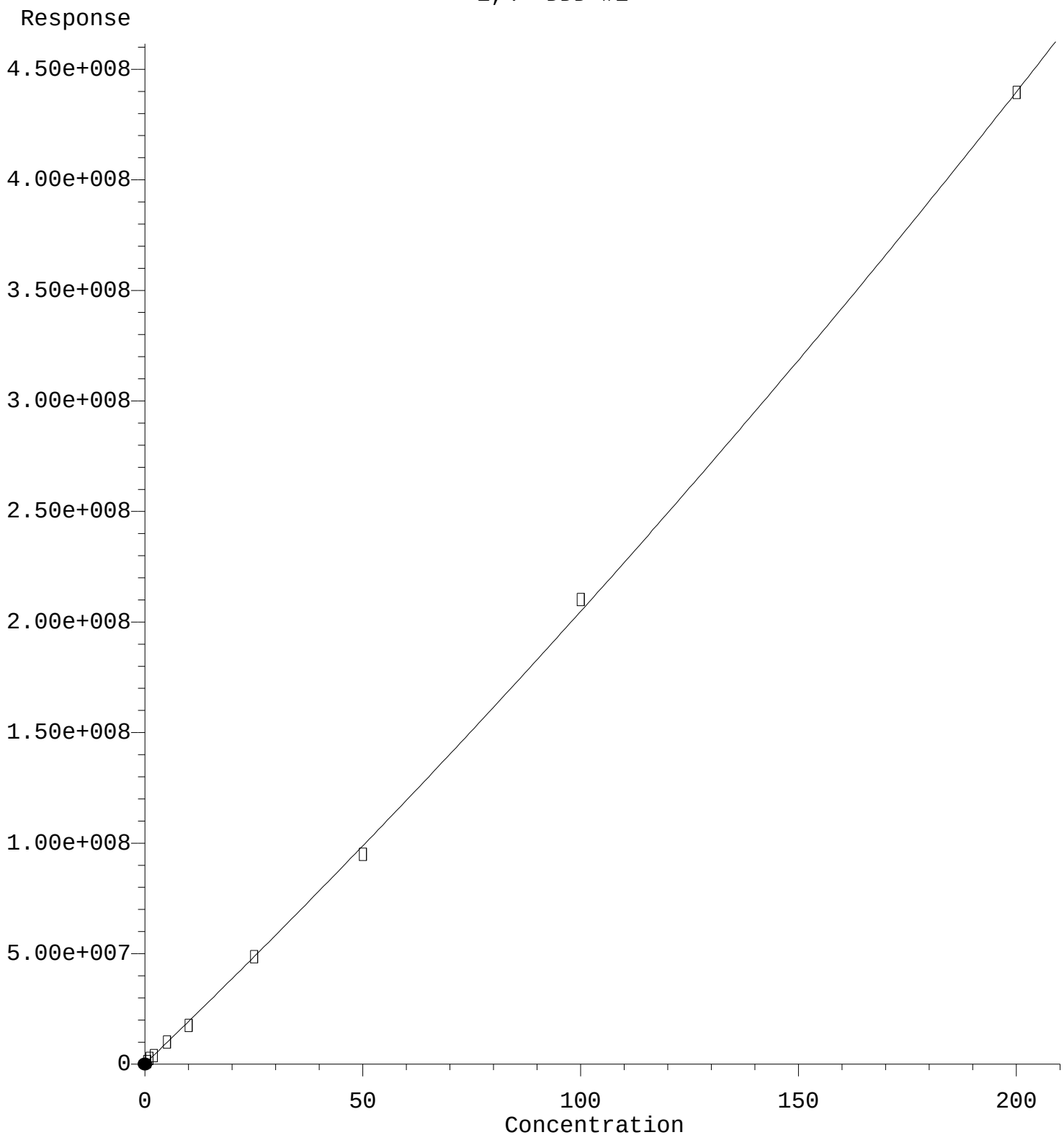
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(22) DCBP (S) (S)
9.901min 1931.269 ng/mL m
response 137435

(22) DCBP (S) #2 (S)
10.594min -0.125 ng/mL m
response 89123

(+) = Expected Retention Time

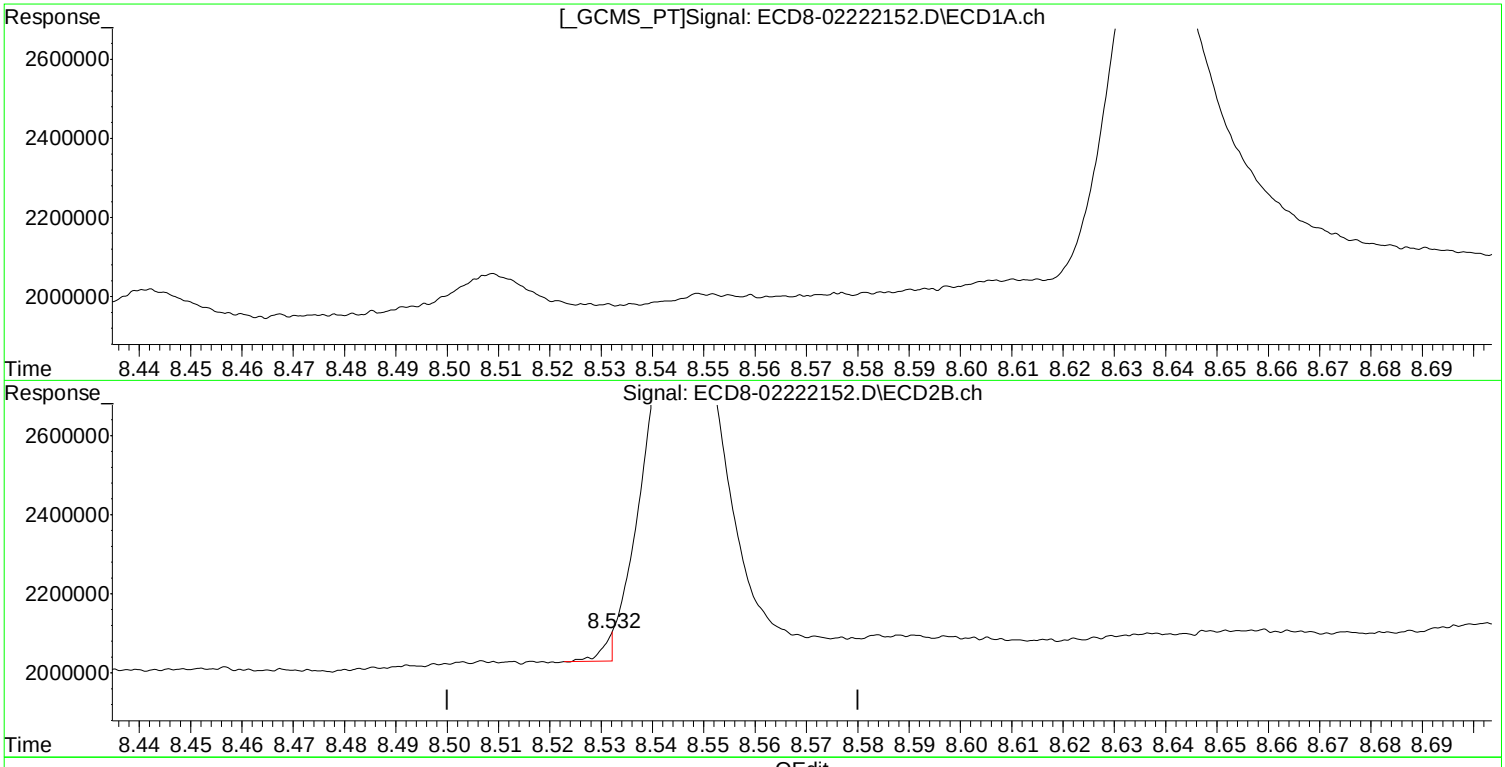


R = 1.53e+003 A*A + 1.89e+006 A + 2.68e+005
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB
Sample : 1B22071-CALZ
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

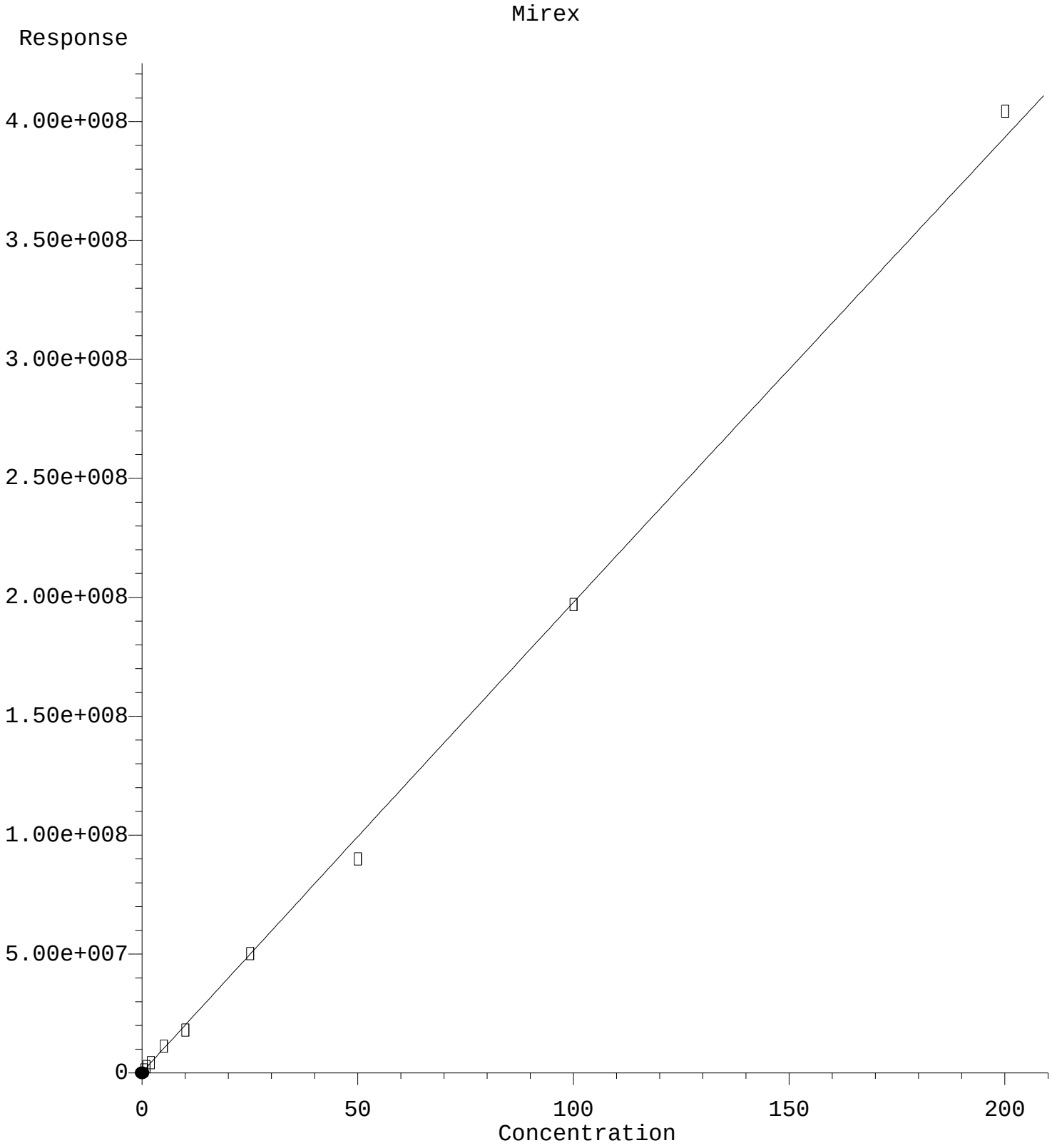
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(28) 2,4'-DDD
8.008min 0.524 ng/mL
response 992555

(28) 2,4'-DDD #2
8.532min -0.105 ng/mL m
response 69783

(+) = Expected Retention Time

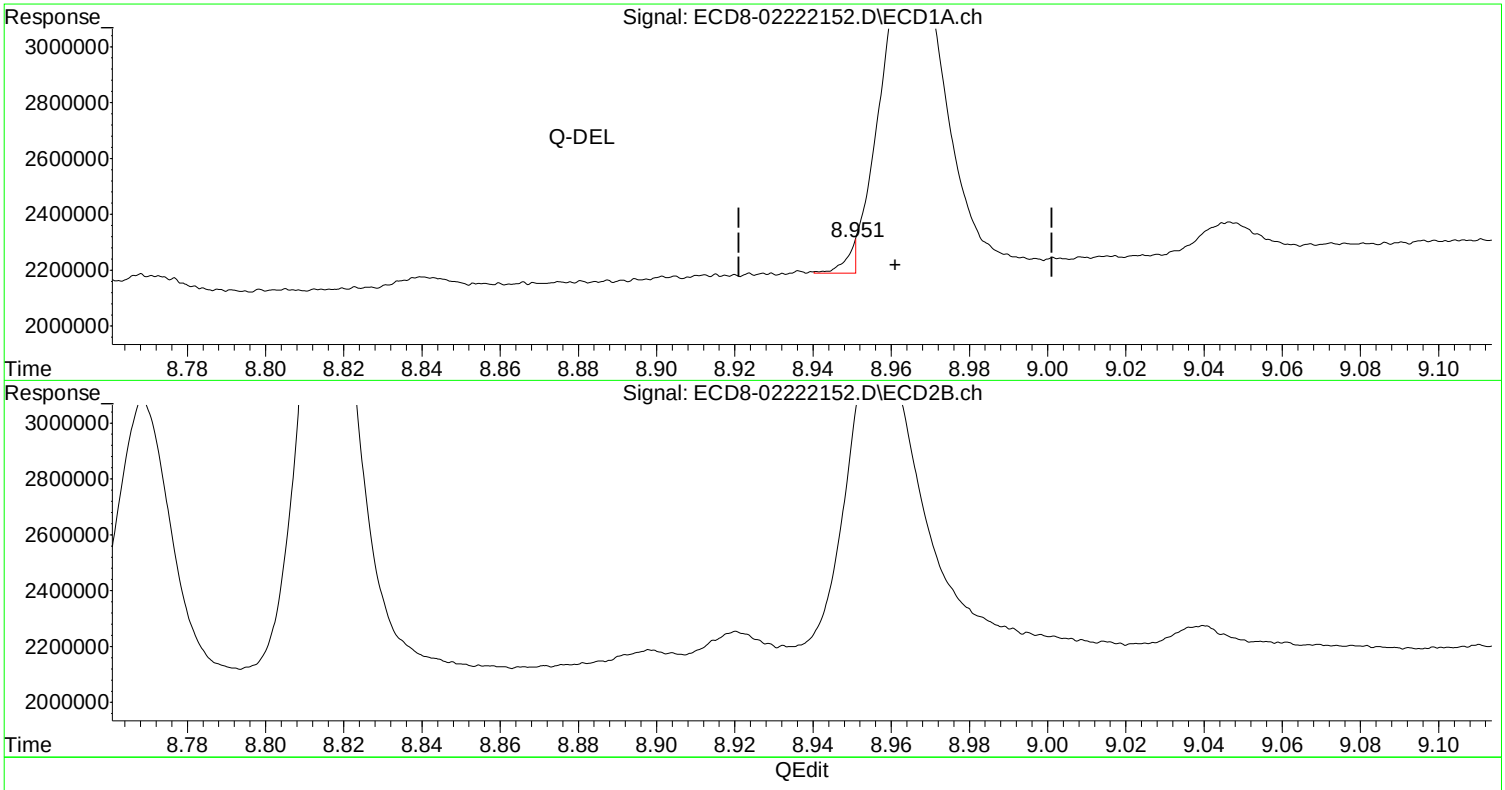


R = -9.14e+001 A*A + 1.98e+006 A + 3.53e+005
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB
Sample : 1B22071-CALZ
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

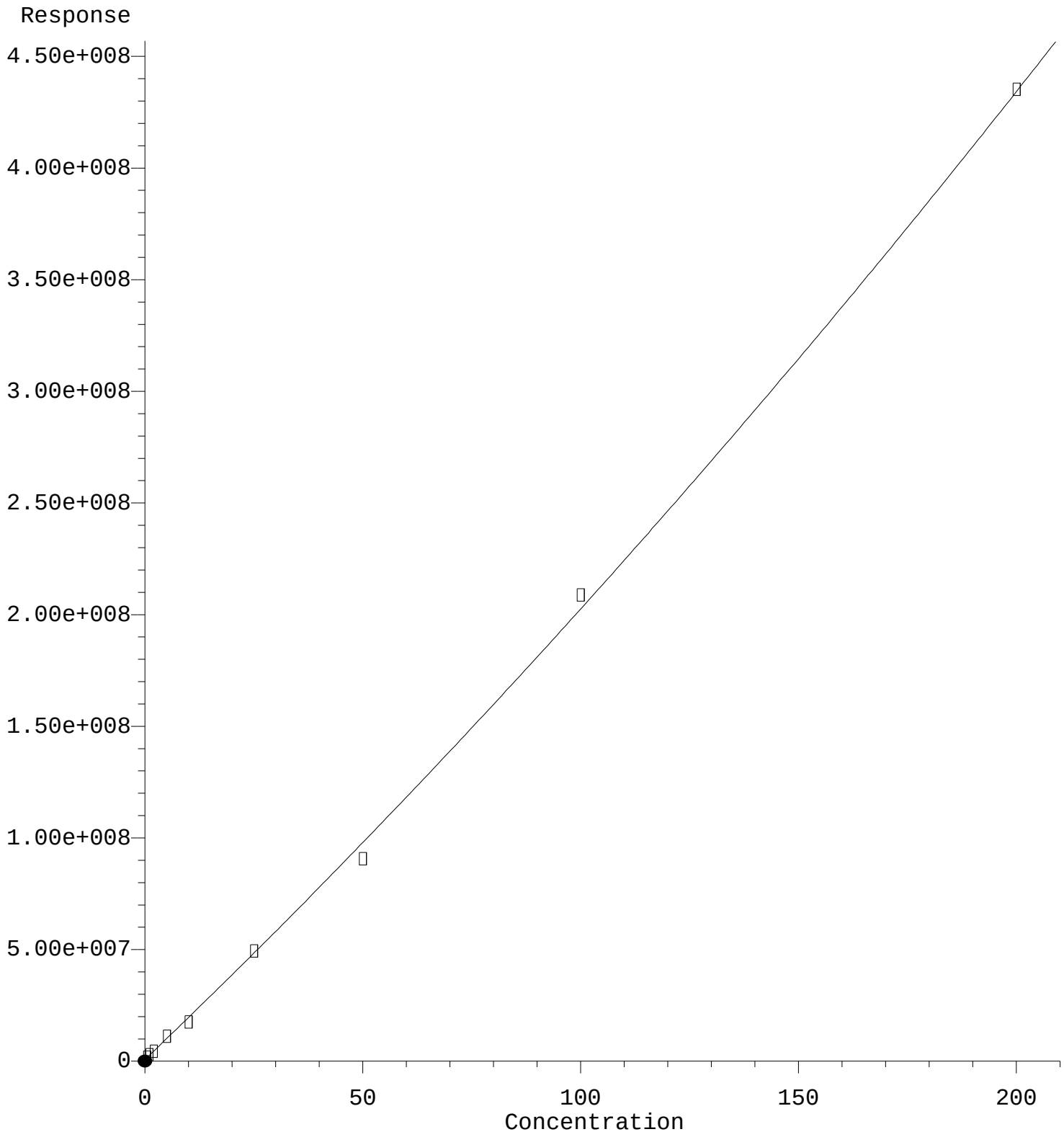
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex
~~8.951min 21703.346 ng/mL m~~
response ~~113209~~

(31) Mirex #2
9.735min 0.476 ng/mL
response 1705947

(+) = Expected Retention Time

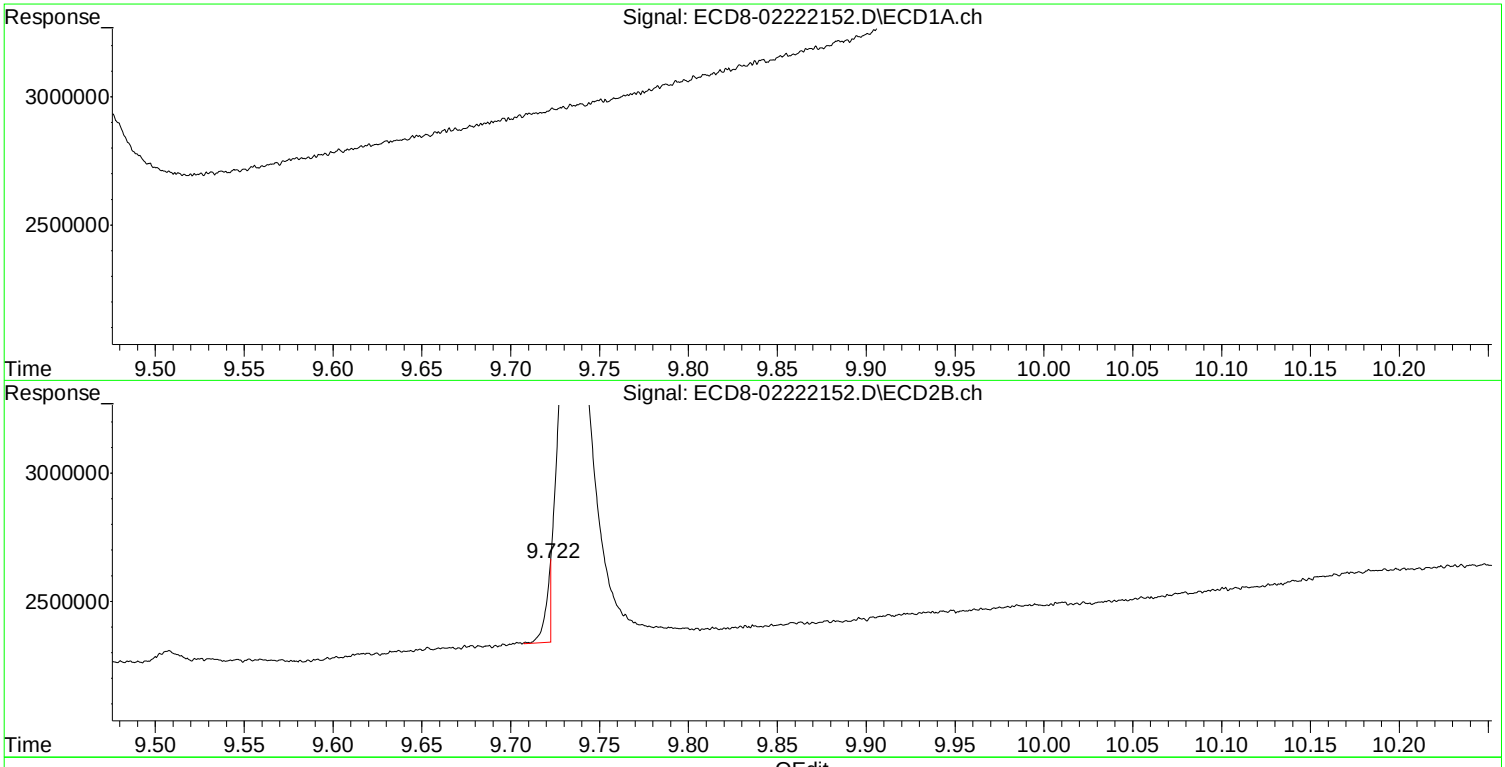


R = 1.51e+003 A*A + 1.87e+006 A + 8.17e+005
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB
Sample : 1B22071-CALZ
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

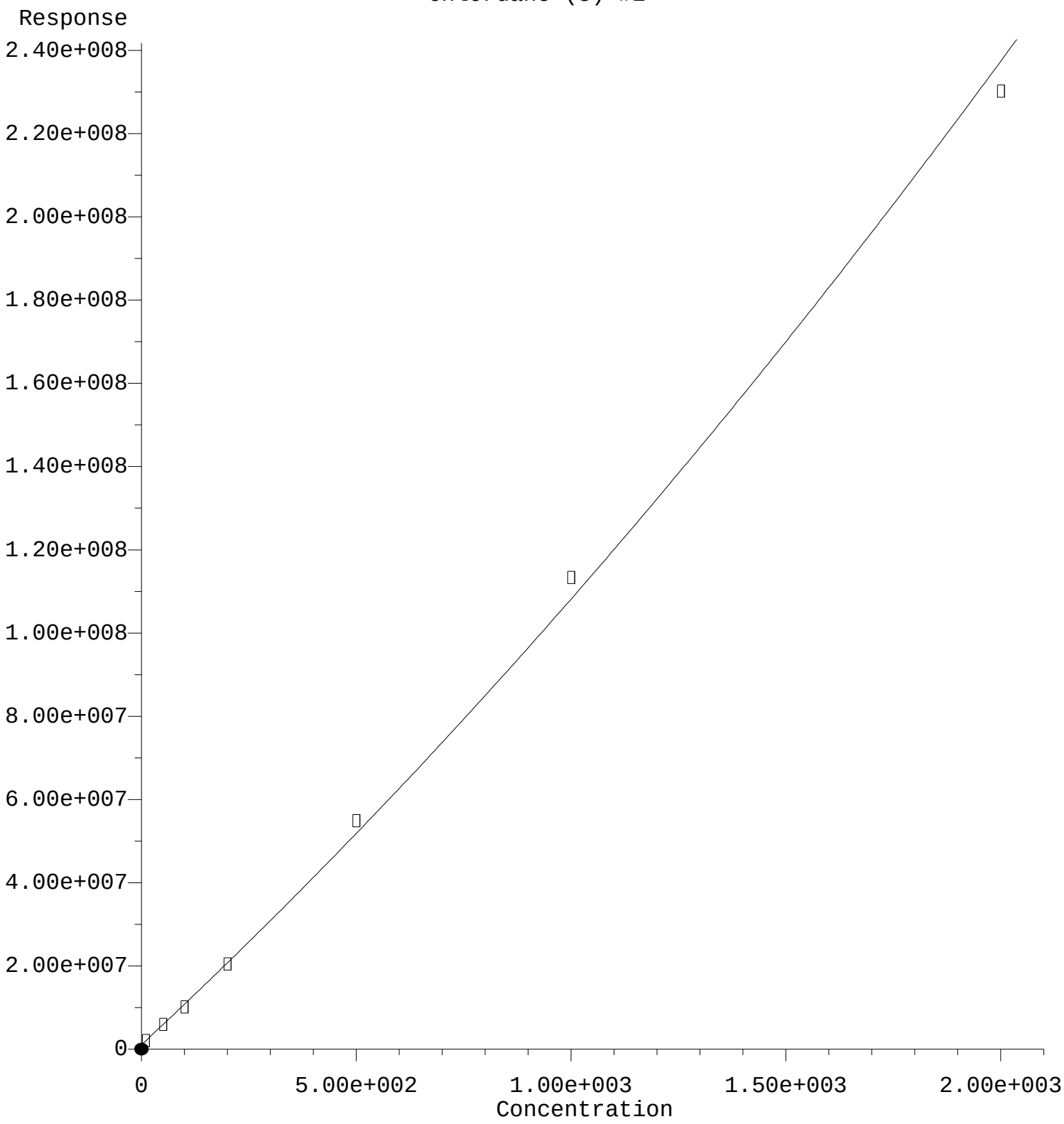
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(31) Mirex
8.951min 21703.346 ng/mL m
response 113209

(31) Mirex #2
9.722min -0.272 ng/mL m
response 309825

(+) = Expected Retention Time

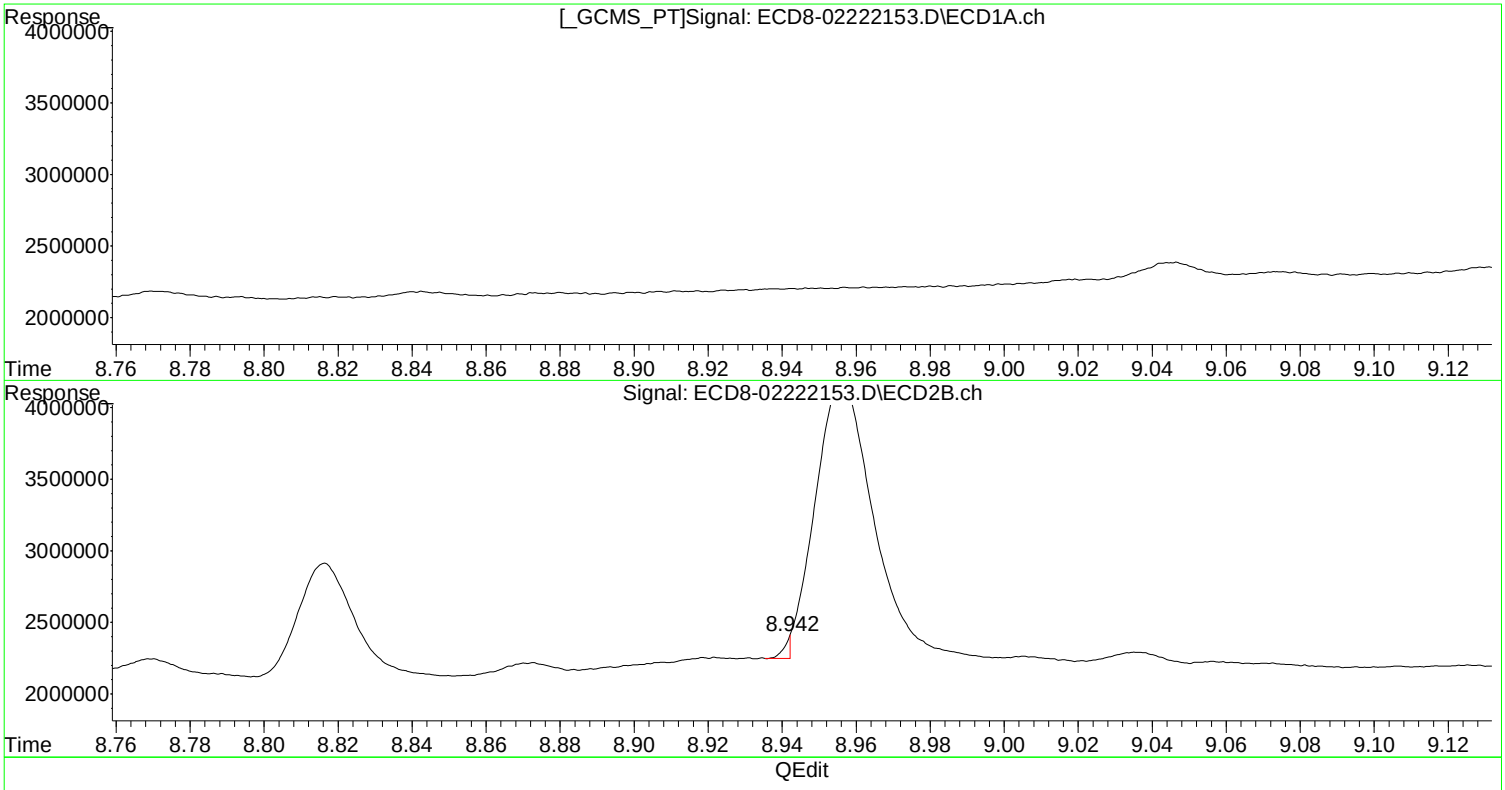


R = 1.11e+001 A*A + 9.60e+004 A + 1.13e+006
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB
Sample : 1B22071-CALAA
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

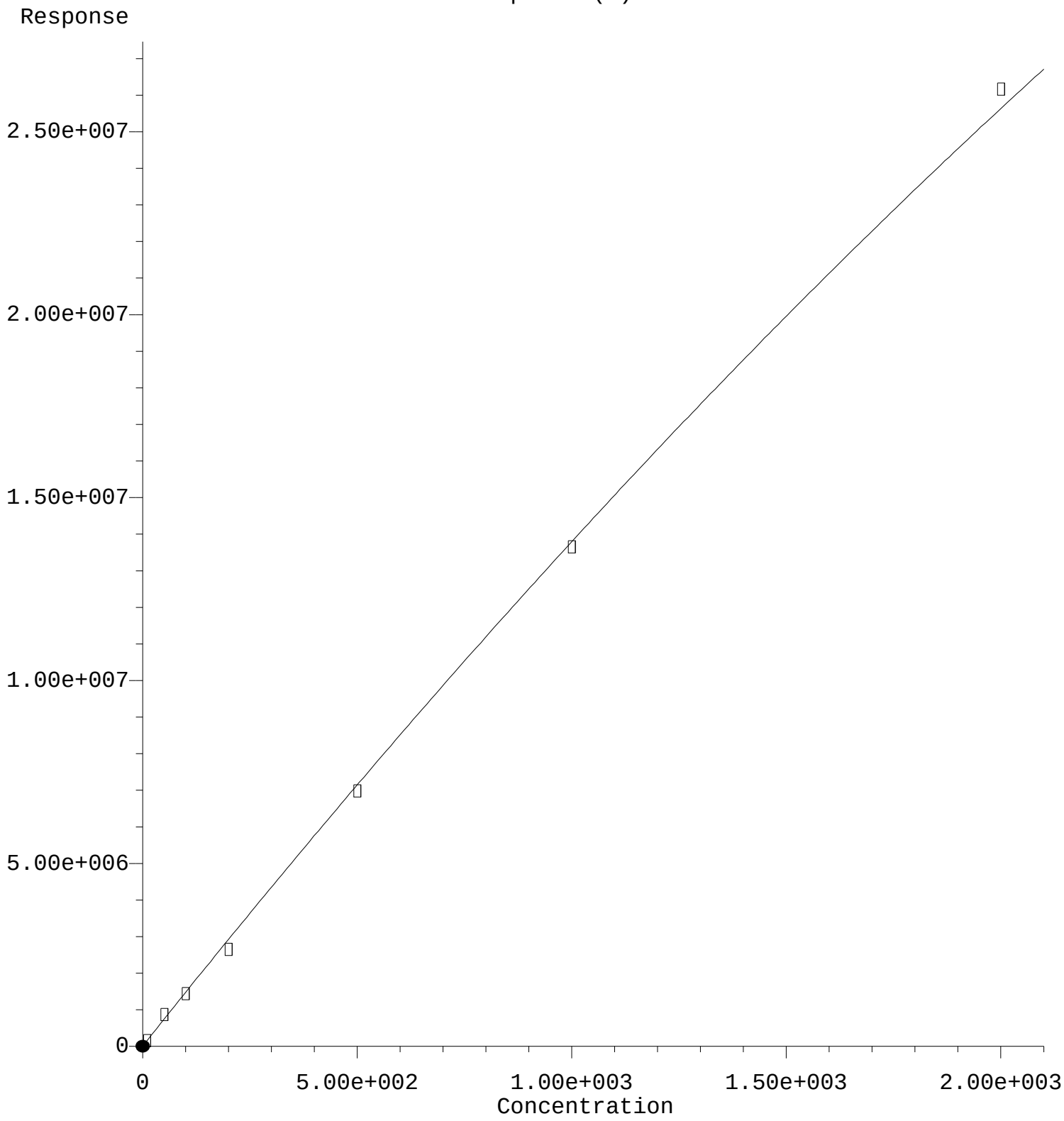
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(34) Chlordane (3)
8.385min 9.947 ng/mL
response 1049375

(34) Chlordane (3) #2
8.942min -10.113 ng/mL m
response 155564

(+) = Expected Retention Time

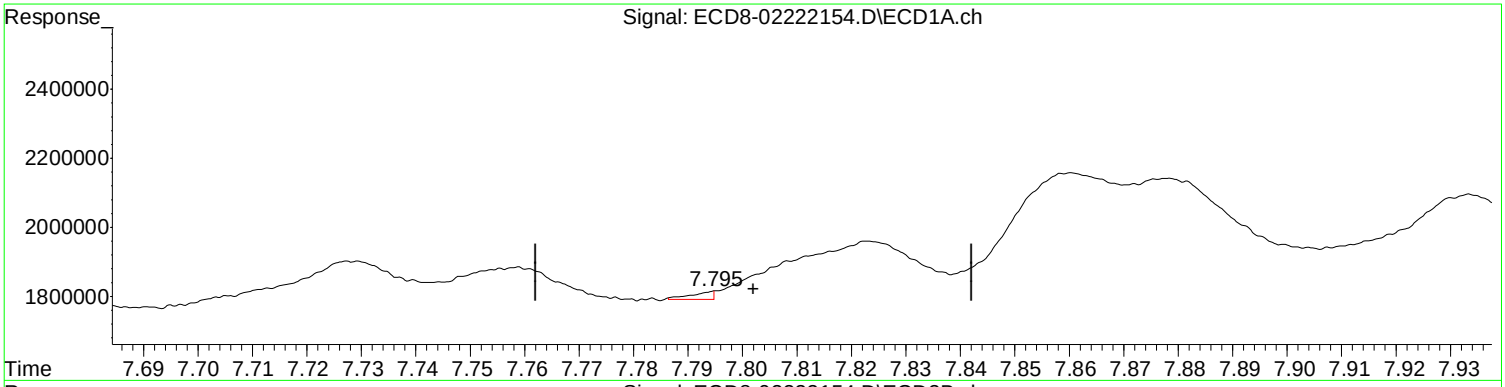


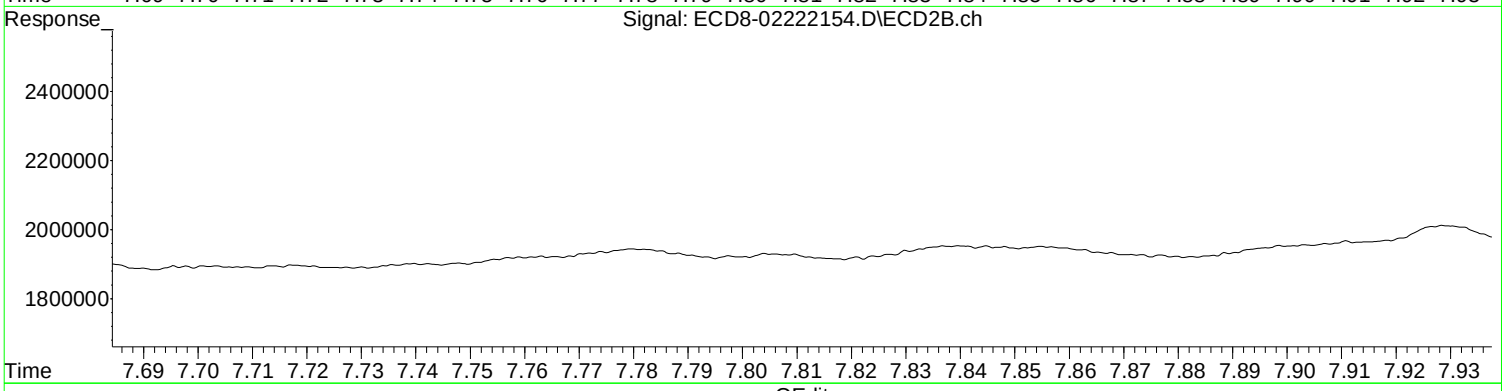
R = -9.74e-001 A*A + 1.48e+004 A + 1.36e+004
Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB
Sample : 1B22071-CALAB
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



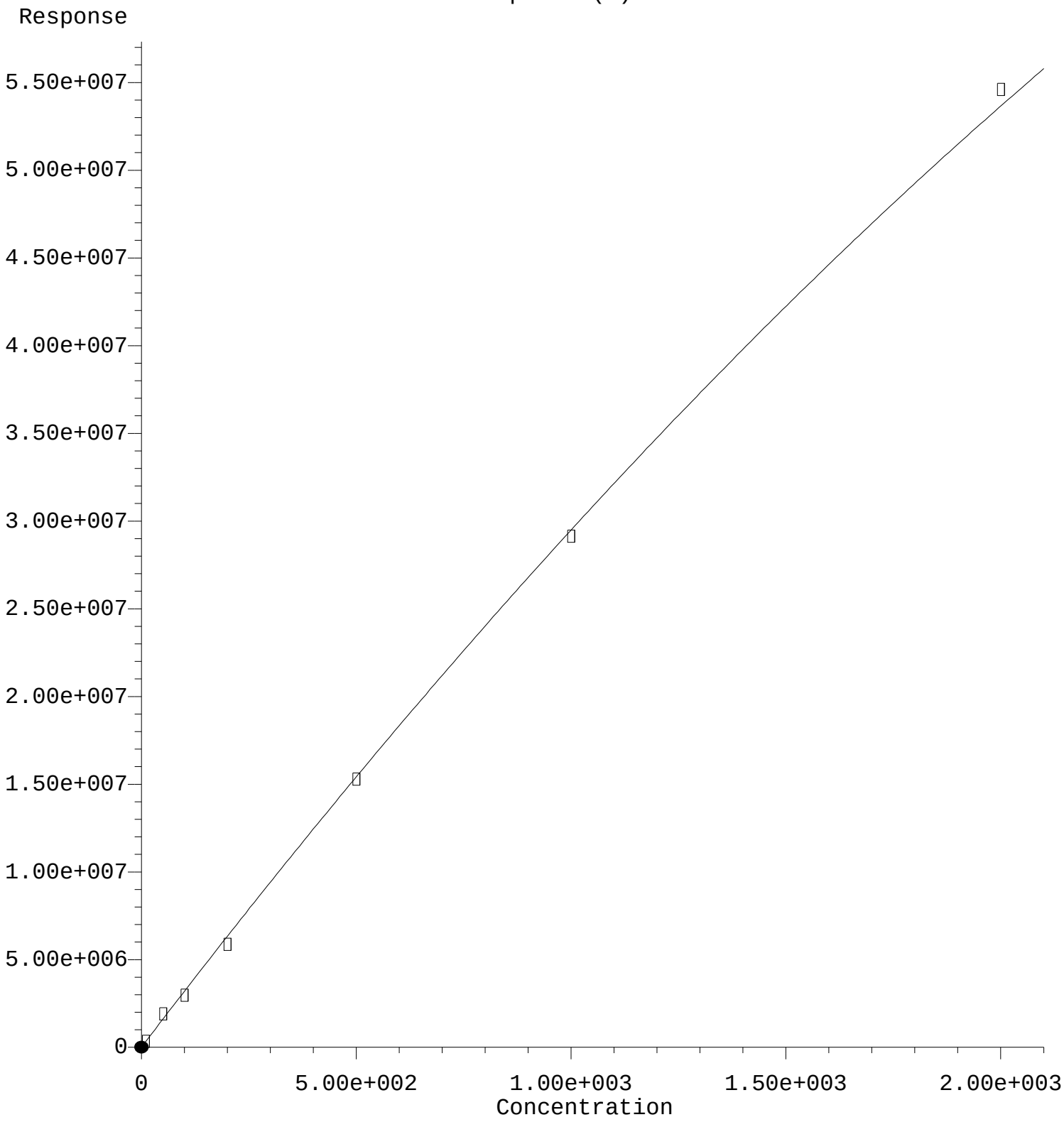


QEdit

(36) Toxaphene (1)
7.795min 0.751 ng/mL m
response 24720

(36) Toxaphene (1) #2
8.522min 11.209 ng/mL
response 355295

(+) = Expected Retention Time

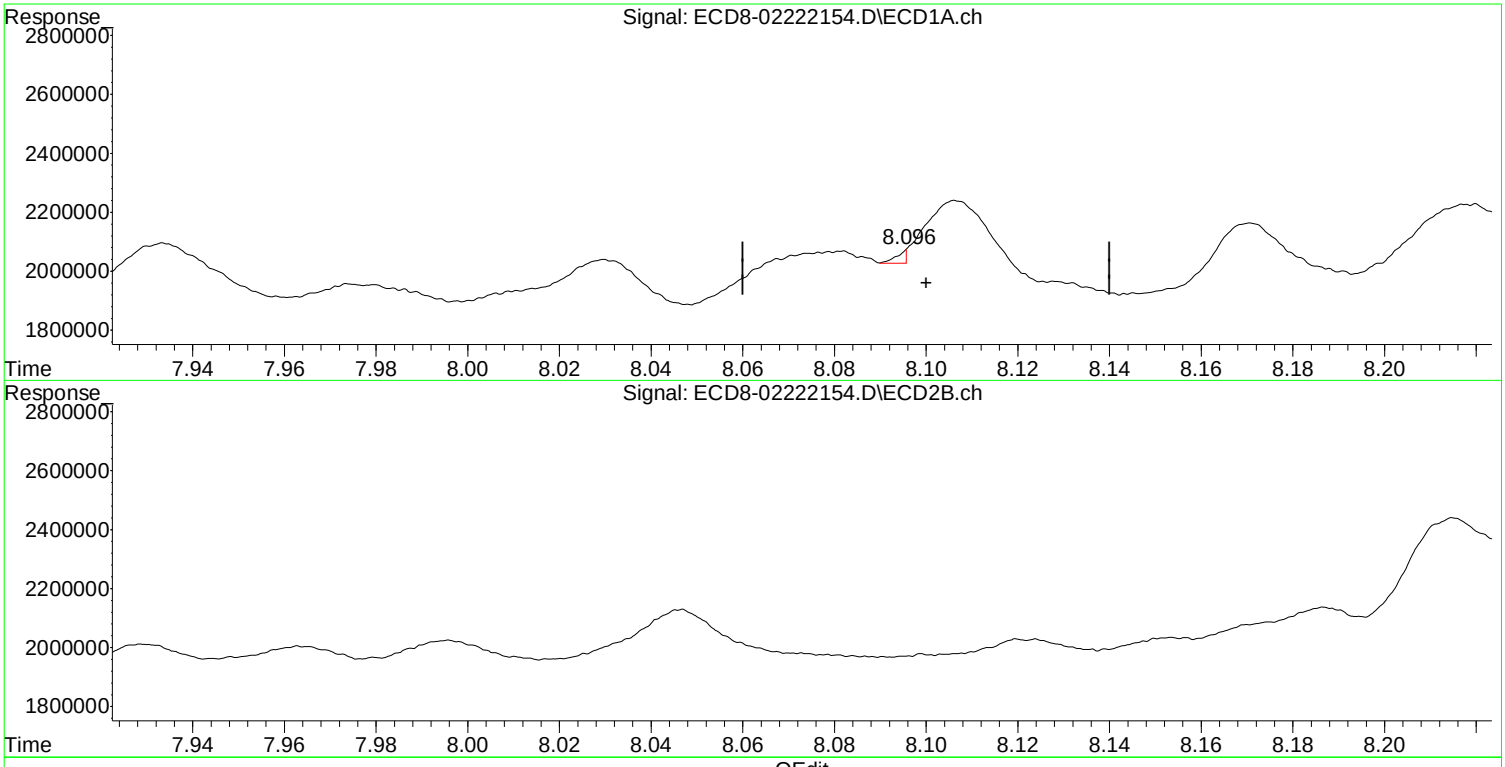


R = -2.66e+000 A*A + 3.21e+004 A + 1.79e+004
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB
Sample : 1B22071-CALAB
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

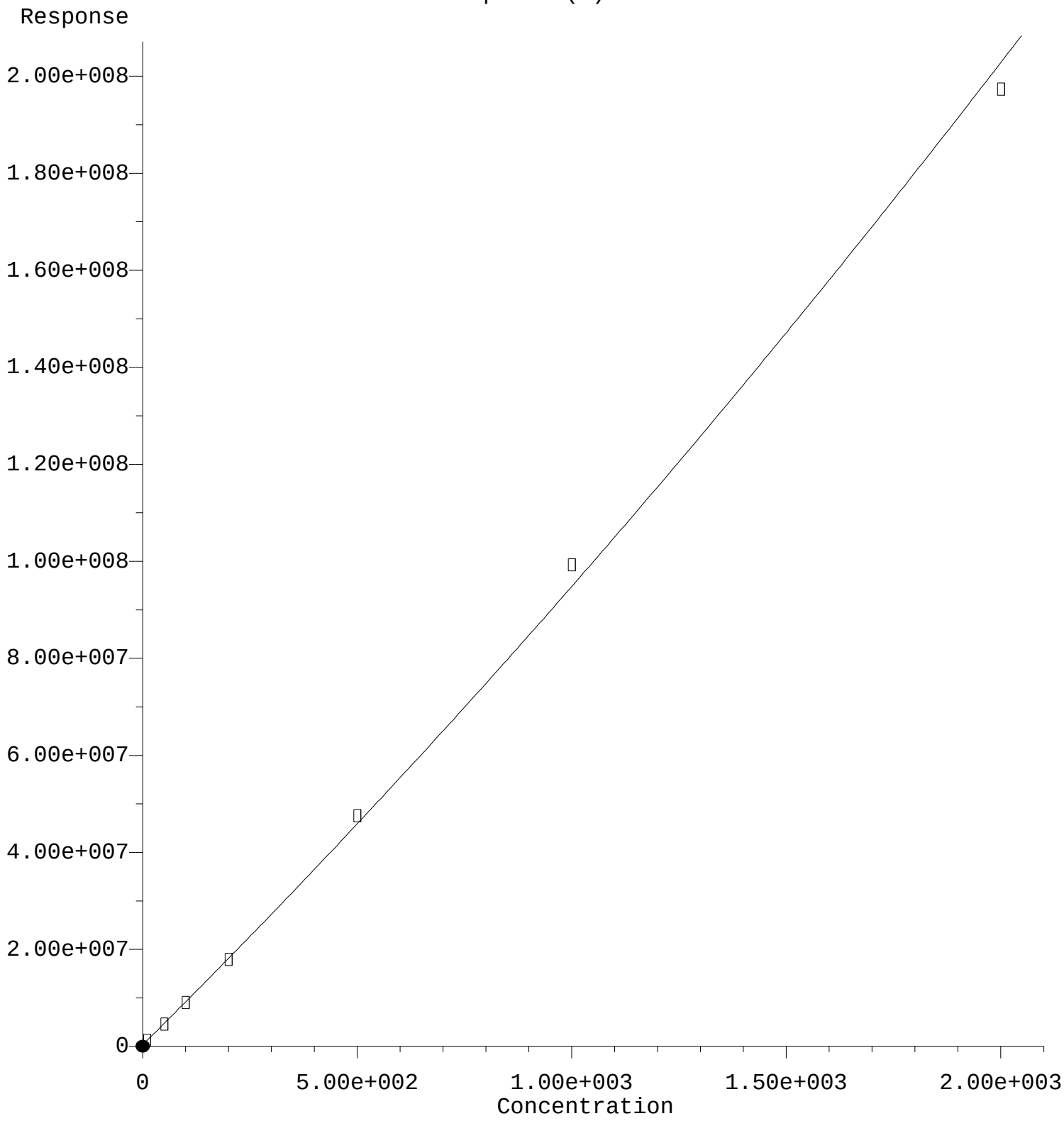
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(37) Toxaphene (2)
8.096min 0.932 ng/mL m
response 47878

(37) Toxaphene (2) #2
8.876min 10.232 ng/mL
response 394935

(+) = Expected Retention Time

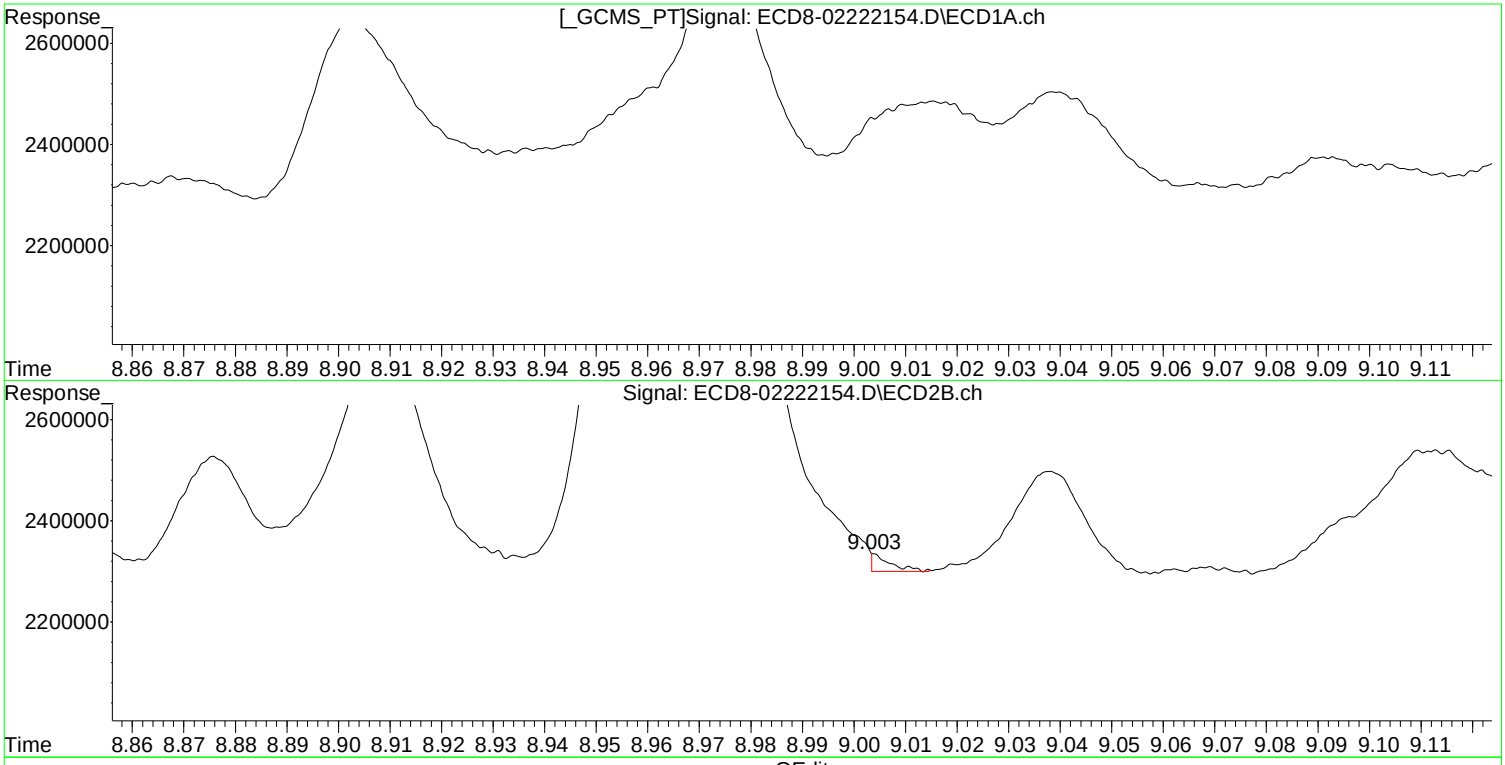


R = 6.78e+000 A*A + 8.77e+004 A + 3.38e+005
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB
Sample : 1B22071-CALAB
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

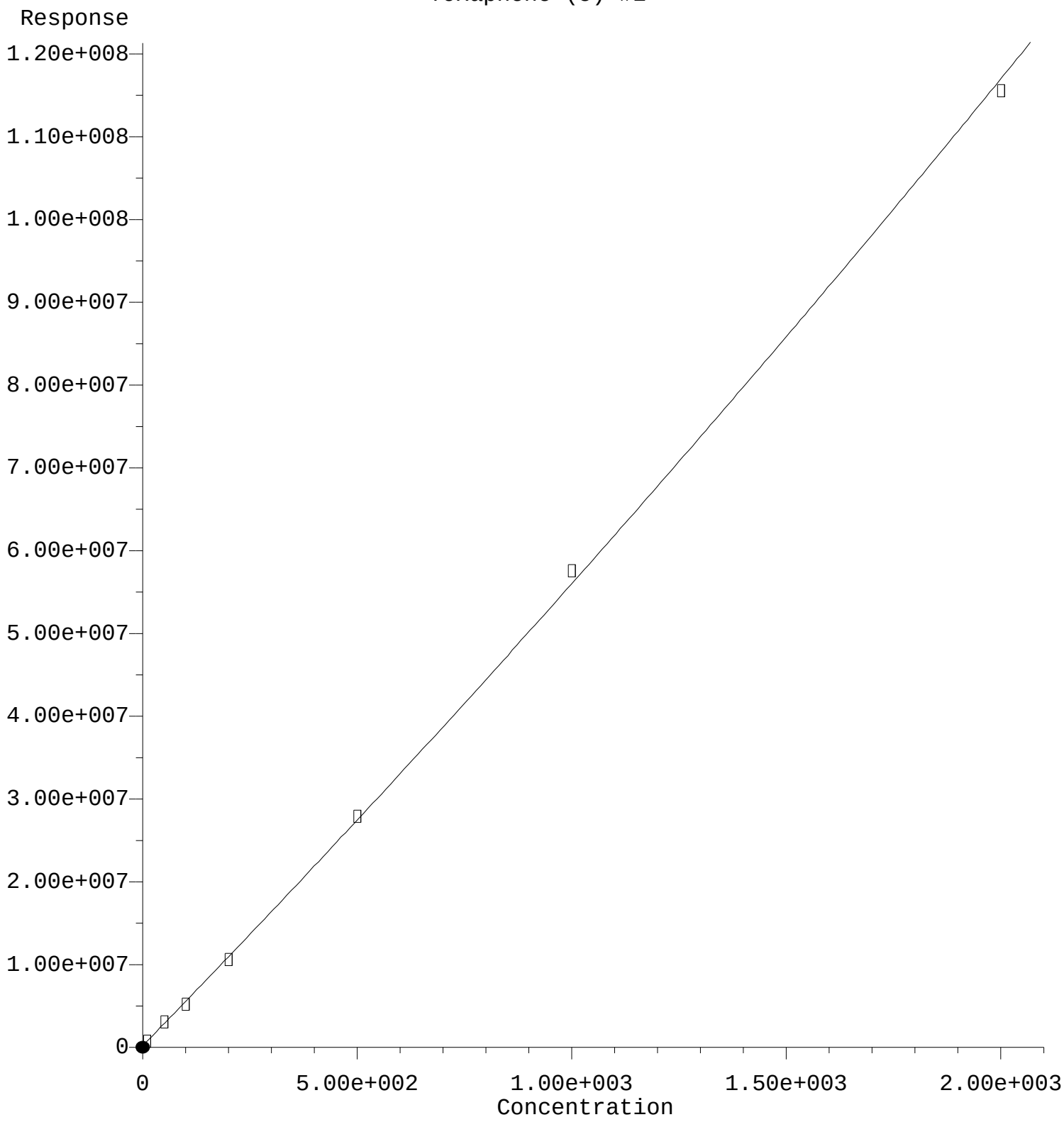
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(39) Toxaphene (4)
8.667min 10.824 ng/mL
response 682782

(39) Toxaphene (4) #2
9.003min -3.442 ng/mL m
response 36127

(+) = Expected Retention Time

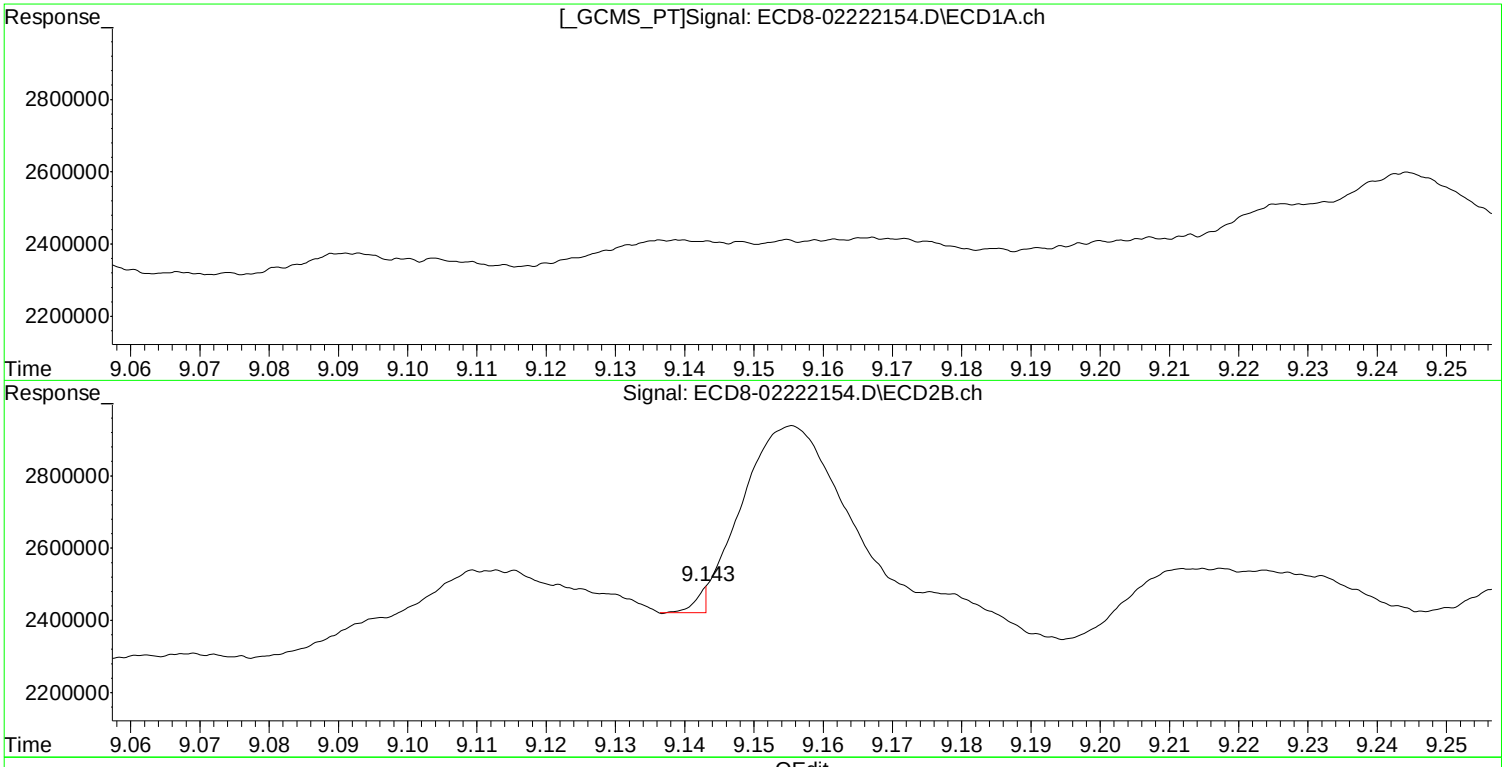


R = 2.59e+000 A*A + 5.32e+004 A + 2.11e+005
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Calibration Table Last Updated: Tue Feb 23 15:41:48 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB
Sample : 1B22071-CALAB
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(40) Toxaphene (5)
8.904min 8.420 ng/mL
response 400097

(40) Toxaphene (5) #2
9.143min -2.597 ng/mL m
response 72365

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.678	6.057	306.9E6	356.1E6	95.707	104.596	
22) S	DCBP (S)	9.910	10.605	186.1E6	168.0E6	96.789	96.758	
	Target Compounds							
2)	a-BHC	6.227	6.650	14723	103004	0.003	0.023	#
3)	g-BHC	6.515	6.970	9111	164344	0.003	0.042	#
4)	b-BHC	6.580	7.011	22569	107122	0.014	BelowCal	#
5)	Heptachlor	6.907	7.342	68348	190983	0.020	0.052	#
6)	d-BHC	6.753	7.297	79673	220208	0.024	0.051	#
7)	Aldrin	7.157	7.624	108592	508995	0.032	0.145	#
8)	Heptachlo...	7.635	8.043	69475	146018	0.022	0.044	#
9)	trans-Chl...	7.704	8.196	302996	920634	0.094	0.273	#
10)	cis-Chlor...	7.833	8.292	684771	132593	0.217	0.041	#
11)	Endosulfa...	7.930	8.345	54786	117829	0.019	0.039	#
12)	4,4'-DDE	7.871	8.392	139015	117470	0.040	0.033	
13)	Dieldrin	8.100	8.542	27518	166392	0.009	0.051	#
14)	Endrin	8.272	8.767	21401	99410	0.008	0.043	#
15)	4,4'-DDD	8.303	8.822	14644	111044	0.005	0.039	#
16)	Endosulfa...	8.432	8.915	65984	118537	0.026	0.044	#
17)	4,4'-DDT	8.505	9.027	25751	86298	0.011	0.000	#
18)	Endrin Al...	8.731	9.151	637521	642812	BelowCal	BelowCal	
19)	Endosulfa...	9.040	9.346	230418	152108	0.092	0.057	#
20)	Methoxychlor	8.834	9.496	78260	36705	0.063	0.028	#
21)	Endrin Ke...	9.242	9.723	263434	379102	0.088	BelowCal	#
23)	Hexachlor...	0.000	3.782	0	38781	N.D.	0.010	#
24)	Hexachlor...	6.066	6.522	572480	101656	0.176	0.028	#
25)	Oxychlordane	7.554	7.993f	64664	120731	0.023	0.041	#
26)	2,4'-DDE	7.635	8.151	69475	124310	0.031	0.053	#
27)	trans-Non...	7.794	8.274f	89336	127731	0.028	0.038	#
28)	2,4'-DDD	7.975f	8.542	29184	166392	0.015	BelowCal	#
29)	2,4'-DDT	8.180	8.767	18768	99410	0.009	0.047	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

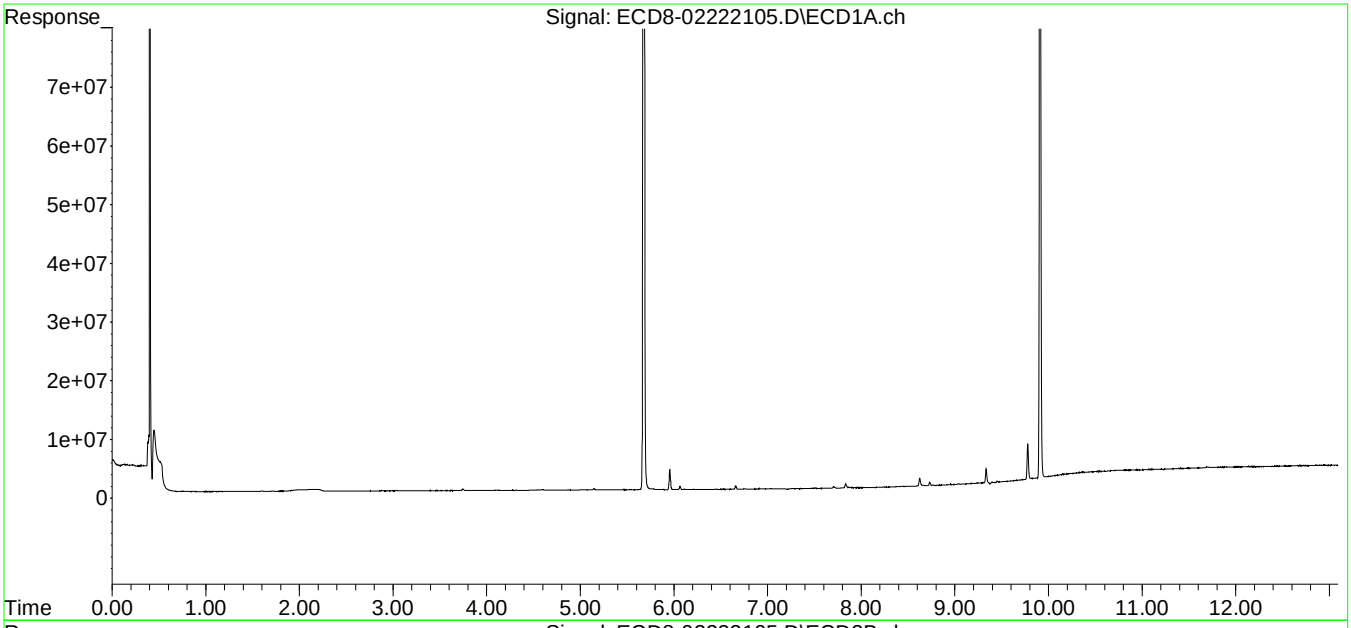
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.272	8.822	21401	111044	0.006	0.031 #
31)	Mirex	8.959	9.723	121922	379102	21703.341	BelowCal #
32)	Chlordane...	7.704	8.196	302996	920634	0.866	2.281 #
33)	Chlordane...	7.833	8.292	684771	132593	1.970	0.393 #
34)	Chlordane...	8.381	8.947	45329	1620031	0.430	5.153 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.794	8.511	89336	91009	5.131	2.871 #
37)	Toxaphene...	8.100	8.858	27518	52072	0.298	1.349 #
38)	Toxaphene...	8.416	8.915	24610	118537	0.426	2.052 #
39)	Toxaphene...	8.665	8.947f	131974	1620031	2.092	14.600 #
40)	Toxaphene...	8.899	9.151	83754	642812	1.763	8.118 #
41)	Toxaphene...	8.959	9.538	121922	47573	2.263	0.829 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

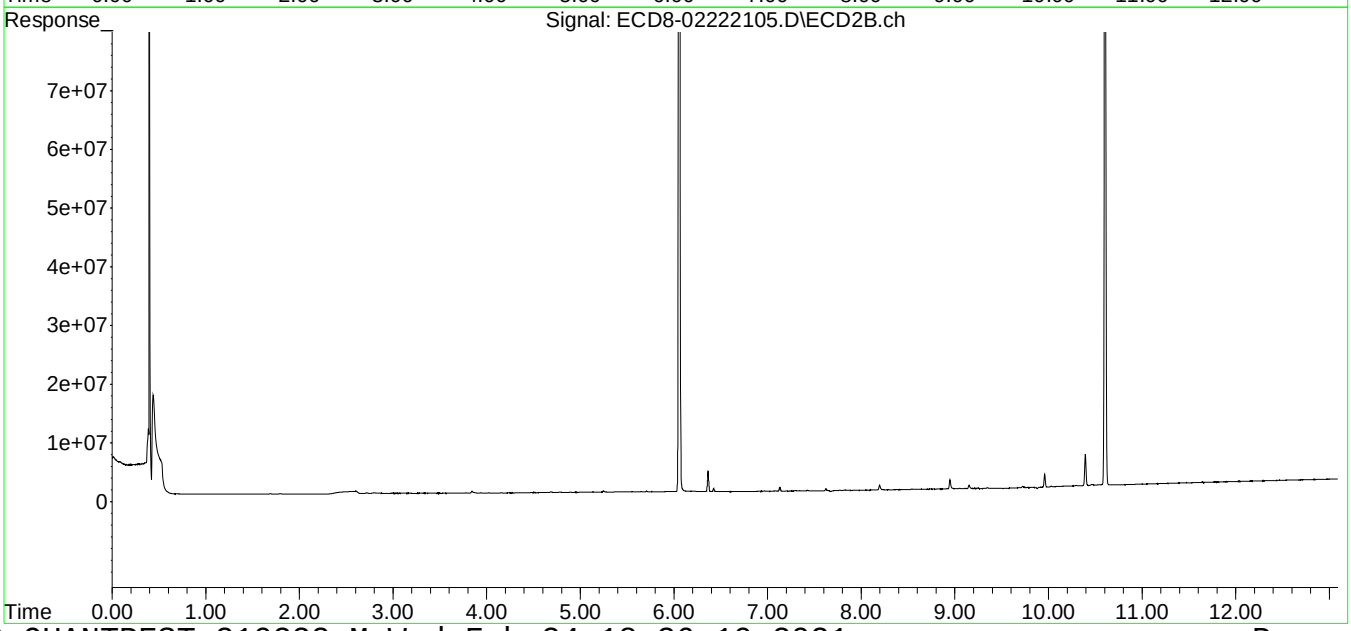
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

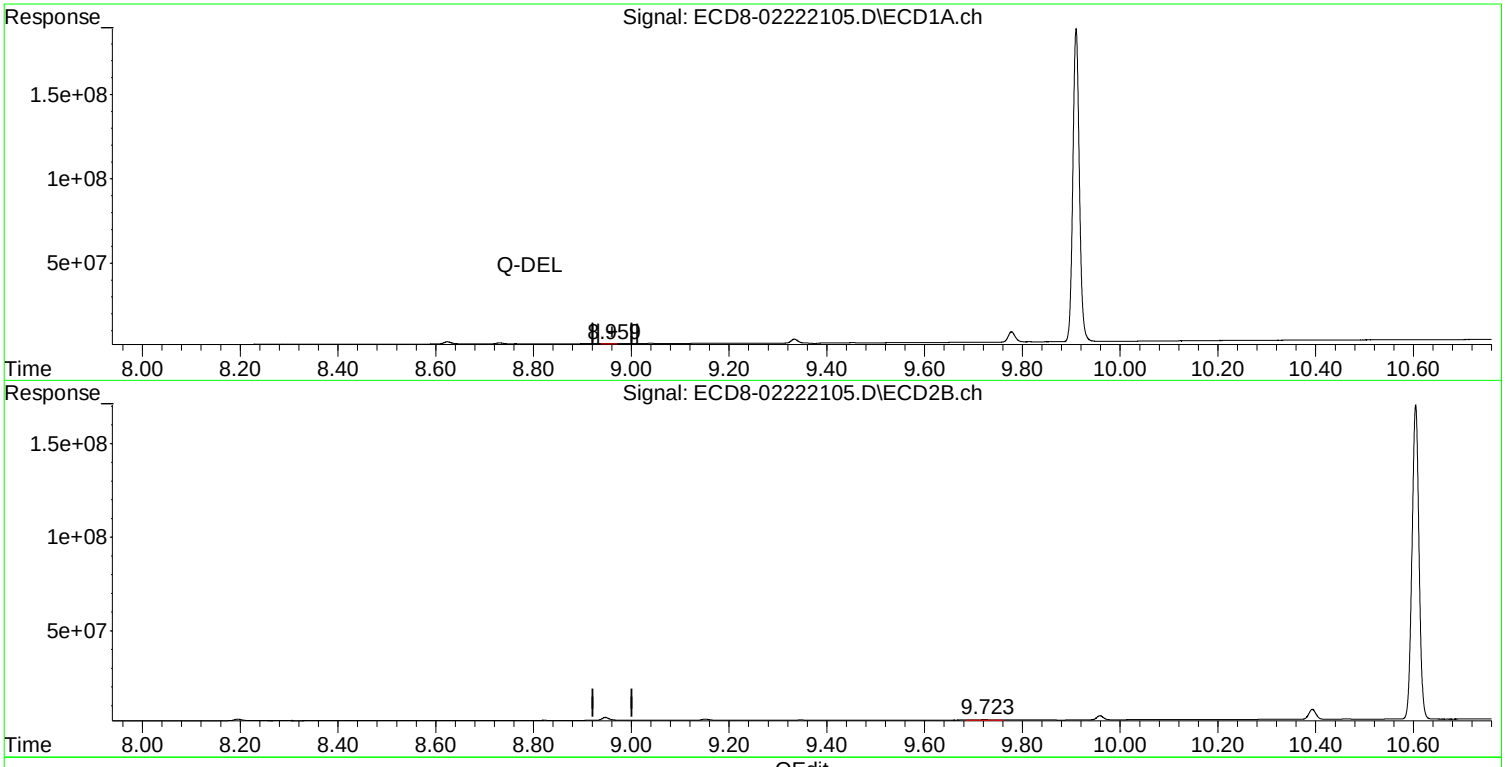




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(31) Mirex
~~8.959min -21703.341 ng/mL~~
response ~~121922~~

(31) Mirex #2
9.723min -0.235 ng/mL
response 379102

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.678	6.057	306.9E6	356.1E6	95.707	104.596	
22)	S DCBP (S)	9.910	10.605	186.1E6	168.0E6	96.789	96.758	
	Target Compounds							
2)	a-BHC	6.227	6.650	14723	103004	0.003	0.023	#
3)	g-BHC	6.515	6.970	9111	164344	0.003	0.042	#
4)	b-BHC	6.580	7.011	22569	107122	0.014	BelowCal	#
5)	Heptachlor	6.907	7.342	68348	190983	0.020	0.052	#
6)	d-BHC	6.753	7.297	79673	220208	0.024	0.051	#
7)	Aldrin	7.157	7.624	108592	508995	0.032	0.145	#
8)	Heptachlo...	7.635	8.043	69475	146018	0.022	0.044	#
9)	trans-Chl...	7.704	8.196	302996	920634	0.094	0.273	#
10)	cis-Chlor...	7.833	8.292	684771	132593	0.217	0.041	#
11)	Endosulfa...	7.930	8.345	54786	117829	0.019	0.039	#
12)	4,4'-DDE	7.871	8.392	139015	117470	0.040	0.033	
13)	Dieldrin	8.100	8.542	27518	166392	0.009	0.051	#
14)	Endrin	8.272	8.767	21401	99410	0.008	0.043	#
15)	4,4'-DDD	8.303	8.822	14644	111044	0.005	0.039	#
16)	Endosulfa...	8.432	8.915	65984	118537	0.026	0.044	#
17)	4,4'-DDT	8.505	9.027	25751	86298	0.011	0.000	#
18)	Endrin Al...	8.731	9.151	637521	642812	BelowCal	BelowCal	
19)	Endosulfa...	9.040	9.346	230418	152108	0.092	0.057	#
20)	Methoxychlor	8.834	9.496	78260	36705	0.063	0.028	#
21)	Endrin Ke...	9.242	9.723	263434	379102	0.088	BelowCal	#
23)	Hexachlor...	0.000	3.782	0	38781	N.D.	0.010	#
24)	Hexachlor...	6.066	6.522	572480	101656	0.176	0.028	#
25)	Oxychlordane	7.554	7.993f	64664	120731	0.023	0.041	#
26)	2,4'-DDE	7.635	8.151	69475	124310	0.031	0.053	#
27)	trans-Non...	7.794	8.274f	89336	127731	0.028	0.038	#
28)	2,4'-DDD	7.975f	8.542	29184	166392	0.015	BelowCal	#
29)	2,4'-DDT	8.180	8.767	18768	99410	0.009	0.047	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

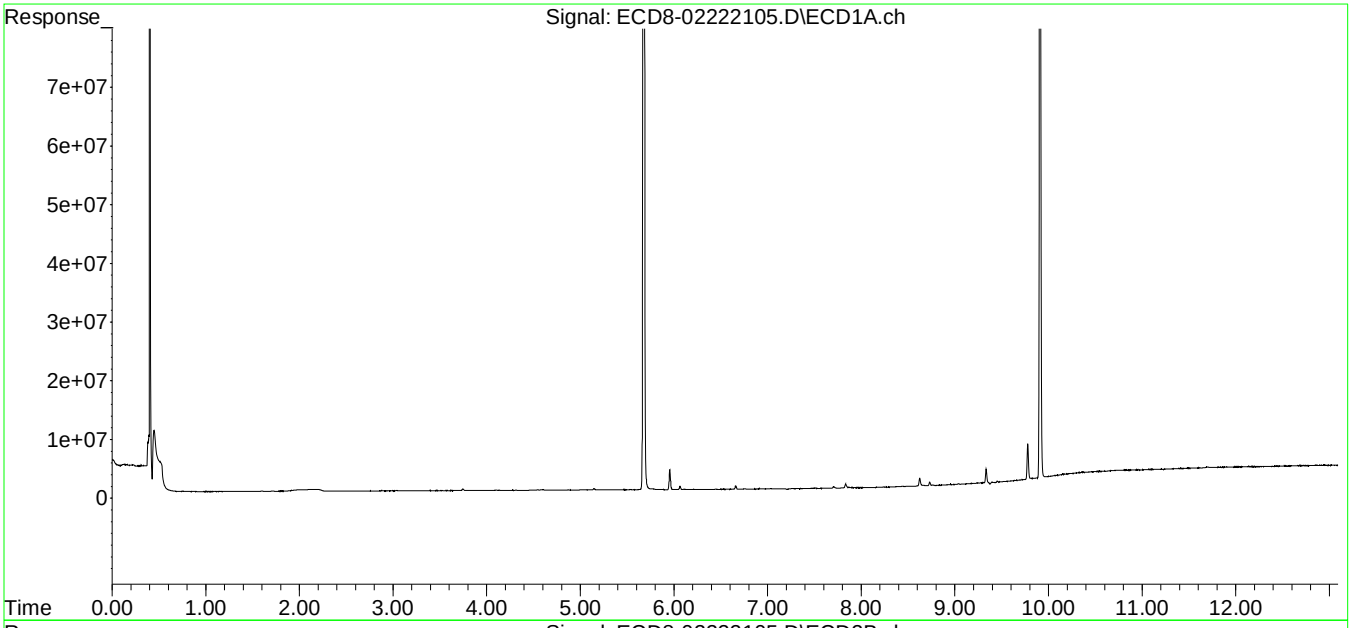
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.272	8.822	21401	111044	0.006	0.031	#
31)	Mirex	0.000	9.723	0	379102	N.D. d	BelowCal	
32)	Chlordane...	7.704	8.196	302996	920634	0.866	2.281	#
33)	Chlordane...	7.833	8.292	684771	132593	1.970	0.393	#
34)	Chlordane...	8.381	8.947	45329	1620031	0.430	5.153	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.794	8.511	89336	91009	5.131	2.871	#
37)	Toxaphene...	8.100	8.858	27518	52072	0.298	1.349	#
38)	Toxaphene...	8.416	8.915	24610	118537	0.426	2.052	#
39)	Toxaphene...	8.665	8.947f	131974	1620031	2.092	14.600	#
40)	Toxaphene...	8.899	9.151	83754	642812	1.763	8.118	#
41)	Toxaphene...	8.959	9.538	121922	47573	2.263	0.829	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

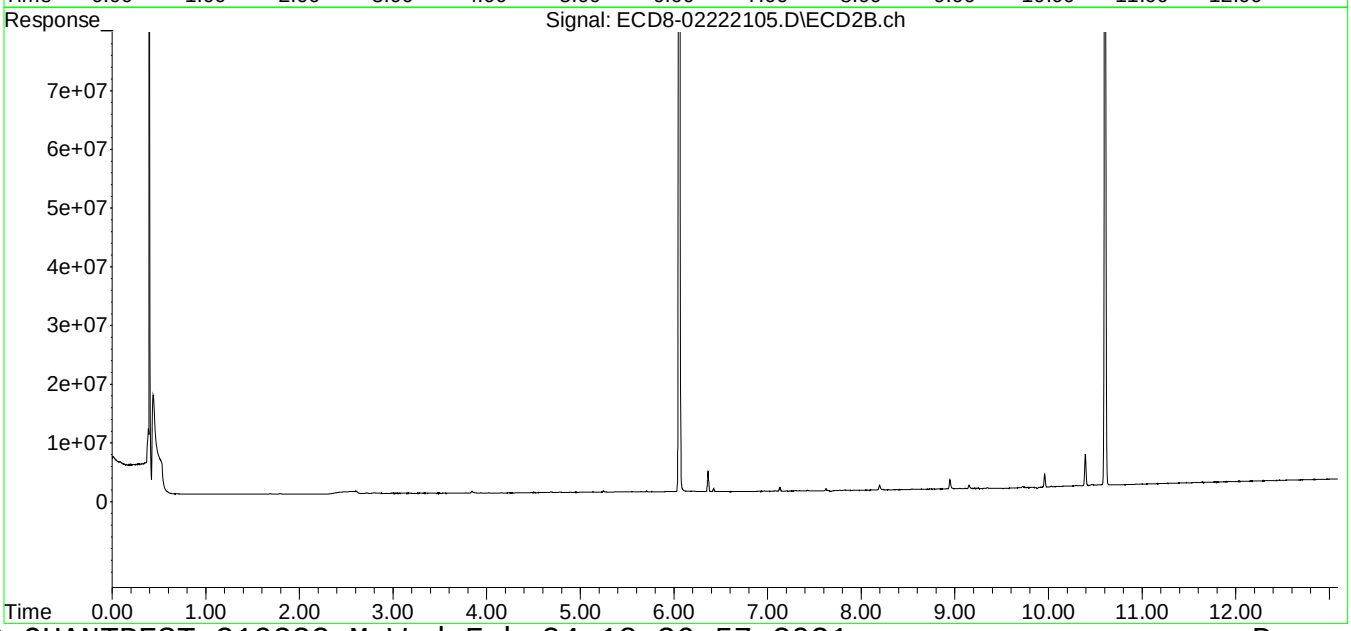
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:27
Operator : MJB
Sample : 1B22071-ICB1
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:35:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:09
Operator : MJB
Sample : 1B22071-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.674	6.055	27300	68136	0.009	0.020	#
22) S	DCBP (S)	9.917	10.612	335231	90015	1931.171	BelowCal	#
	Target Compounds							
2)	a-BHC	6.222	6.651	5848	29289	0.001	0.006	#
3)	g-BHC	6.515	6.971	16225	30106	0.004	0.008	#
4)	b-BHC	6.612	7.044	12183	33243	0.008	BelowCal	#
5)	Heptachlor	6.916	7.348	35685	109448	0.010	0.030	#
6)	d-BHC	6.733	7.290	10347	83172	0.003	0.013	#
7)	Aldrin	7.159	7.609	35877	91102	0.010	0.026	#
8)	Heptachlo...	7.635	8.046	36598	67942	0.012	0.021	#
9)	trans-Chl...	7.723	8.203f	29500	464609	0.009	0.138	#
10)	cis-Chlor...	7.823	8.291	29859	93902	0.009	0.029	#
11)	Endosulfa...	7.927	8.346	31497	60464	0.011	0.020	#
12)	4,4'-DDE	7.845f	8.394	327455	51756	0.095	0.015	#
13)	Dieldrin	8.101	8.548	35800	99272	0.011	0.030	#
14)	Endrin	8.272	8.772	29848	60143	0.012	0.027	#
15)	4,4'-DDD	8.309	8.831f	23077	70073	0.009	0.025	#
16)	Endosulfa...	8.438	8.919	62520	97124	0.025	0.036	#
17)	4,4'-DDT	8.496	9.013	27248	85950	0.011	0.000	#
18)	Endrin Al...	8.736	9.154	520495	589147	BelowCal	BelowCal	
19)	Endosulfa...	9.044	9.350	143357	158780	0.057	0.059	
20)	Methoxychlor	8.835	9.506	18458	24061	0.015	0.018	
21)	Endrin Ke...	9.244	9.729	111312	308589	0.037	BelowCal	#
23)	Hexachlor...	3.472	3.781	29193	206840	0.008	0.052	#
24)	Hexachlor...	0.000	6.519	0	17838	N.D.	0.005	#
25)	Oxychlordane	7.527f	7.951f	33925	63775	0.012	0.022	#
26)	2,4'-DDE	7.614	8.203f	29969	464609	0.013	0.200	#
27)	trans-Non...	7.801	0.000	20434	0	0.006	N.D.	#
28)	2,4'-DDD	8.008	8.548	10493	99272	0.006	BelowCal	#
29)	2,4'-DDT	8.173	8.772	9493	60143	0.005	0.029	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:09
Operator : MJB
Sample : 1B22071-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

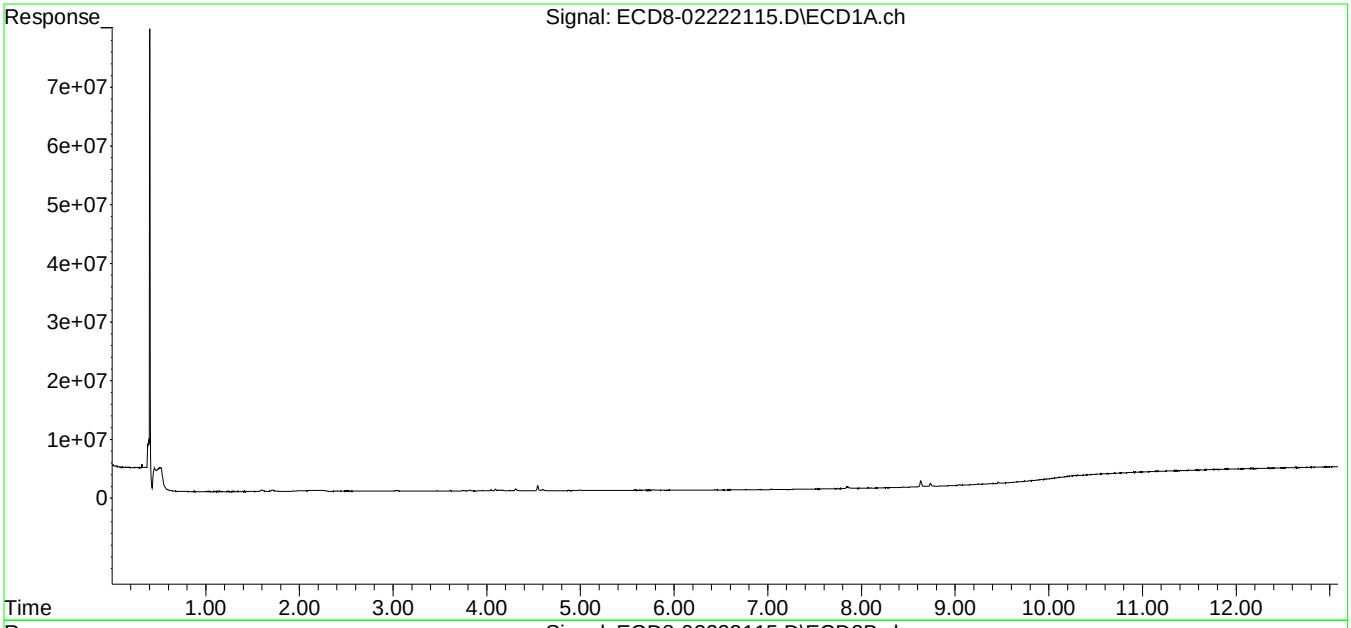
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.272	8.831	29848	70073	0.009	0.020 #
31)	Mirex	8.960	9.729	36031	308589	21703.385	BelowCal #
32)	Chlordane...	7.723	8.203f	29500	464609	0.084	1.151 #
33)	Chlordane...	7.811	8.291	21821	93902	0.063	0.278 #
34)	Chlordane...	8.379	8.952	13947	1281591	0.132	1.630 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.801	8.505	20434	55741	0.461	1.758 #
37)	Toxaphene...	8.101	8.831f	35800	70073	0.556	1.816 #
38)	Toxaphene...	8.438	8.919	62520	97124	1.083	1.682 #
39)	Toxaphene...	8.678	8.952	58744	1281591	0.931	10.749 #
40)	Toxaphene...	8.877	9.154	7436	589147	0.156	7.111 #
41)	Toxaphene...	8.977	9.506f	16341	24061	0.303	0.419 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

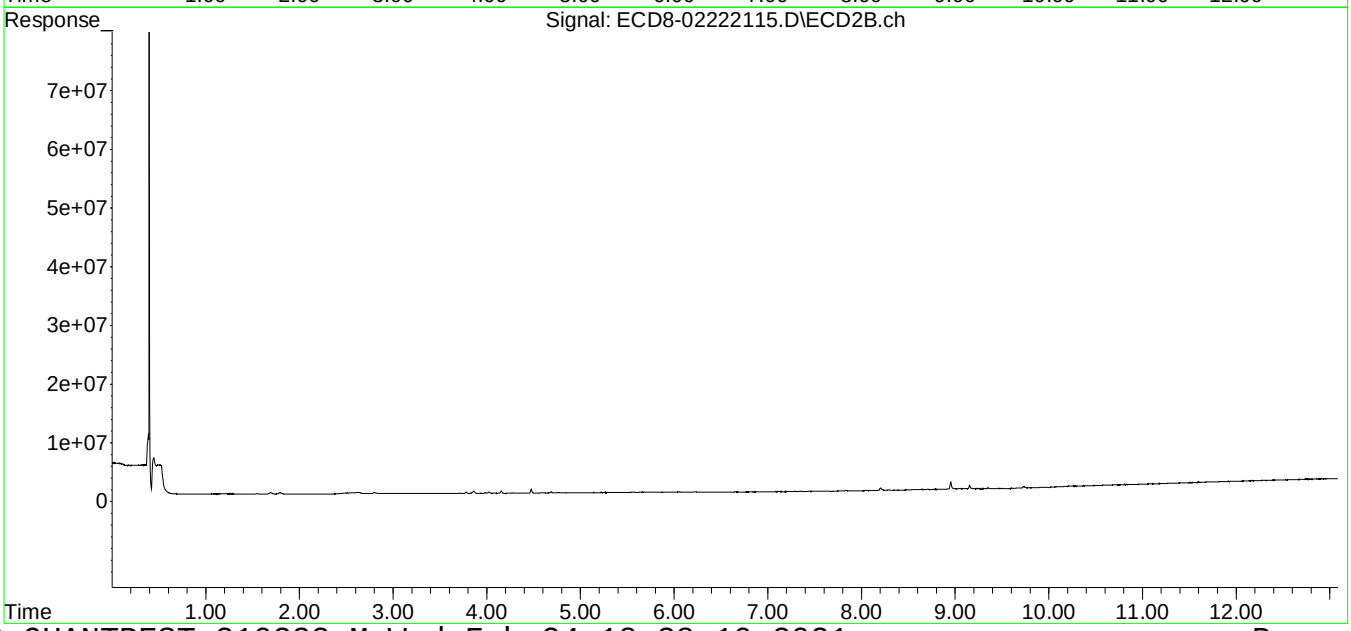
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:09
Operator : MJB
Sample : 1B22071-IBL1
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:25
Operator : MJB
Sample : 1B22071-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.675	6.055	170.9E6	186.7E6	53.308	54.850	
22)	S	DCBP (S)	9.916	10.612	95450999	86677370	48.224	50.040	
		Target Compounds							
2)		a-BHC	6.228	6.651	225.0E6	253.7E6	52.880	55.979	
3)		g-BHC	6.515	6.968	197.2E6	218.2E6	54.327	55.872	
4)		b-BHC	6.594	7.032	81828768	91465899	52.320	54.242	
5)		Heptachlor	6.914	7.342	180.6E6	203.1E6	52.657	55.086	
6)		d-BHC	6.747	7.281	191.0E6	219.6E6	56.564	55.915	
7)		Aldrin	7.157	7.607	192.2E6	202.3E6	55.916	57.507	
8)		Heptachlo...	7.629	8.044	164.0E6	173.6E6	52.004	52.463	
9)		trans-Chl...	7.721	8.183	164.3E6	185.3E6	51.009	54.980	
10)		cis-Chlor...	7.820	8.292	159.5E6	174.7E6	50.615	53.878	
11)		Endosulfa...	7.925	8.342	148.6E6	160.6E6	51.228	53.346	
12)		4,4'-DDE	7.870	8.392	175.0E6	192.4E6	50.829	54.755	
13)		Dieldrin	8.100	8.542	169.9E6	179.8E6	53.574	54.665	
14)		Endrin	8.271	8.768	140.4E6	148.4E6	54.286	55.892	
15)		4,4'-DDD	8.303	8.808	142.4E6	155.4E6	52.615	55.013	
16)		Endosulfa...	8.433	8.915	128.9E6	143.5E6	51.206	53.731	
17)		4,4'-DDT	8.501	9.035	135.0E6	144.6E6	55.066	56.260	
18)		Endrin Al...	8.731	9.153	126.8E6	138.9E6	57.748	56.415	
19)		Endosulfa...	9.041	9.349	127.1E6	138.5E6	50.831	51.916	
20)		Methoxychlor	8.833	9.504	66754031	70843023	53.360	53.844	
21)		Endrin Ke...	9.243	9.745	151.4E6	166.0E6	50.816	57.020	
23)		Hexachlor...	3.455	3.780	7009	43849	0.002	0.011	#
24)		Hexachlor...	6.064	6.530	414884	114692	0.127	0.032	#
25)		Oxychlordane	7.561	7.964	301972	141269	0.110	0.048	#
26)		2,4'-DDE	7.629	8.183	164.0E6	185.3E6	73.384	79.736	
27)		trans-Non...	7.820	8.248	159.5E6	475361	50.197	0.141	#
28)		2,4'-DDD	8.015	8.542	738174	179.8E6	0.390	88.557	#
29)		2,4'-DDT	8.180	8.768	701540	148.4E6	0.348	70.504	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:25
Operator : MJB
Sample : 1B22071-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

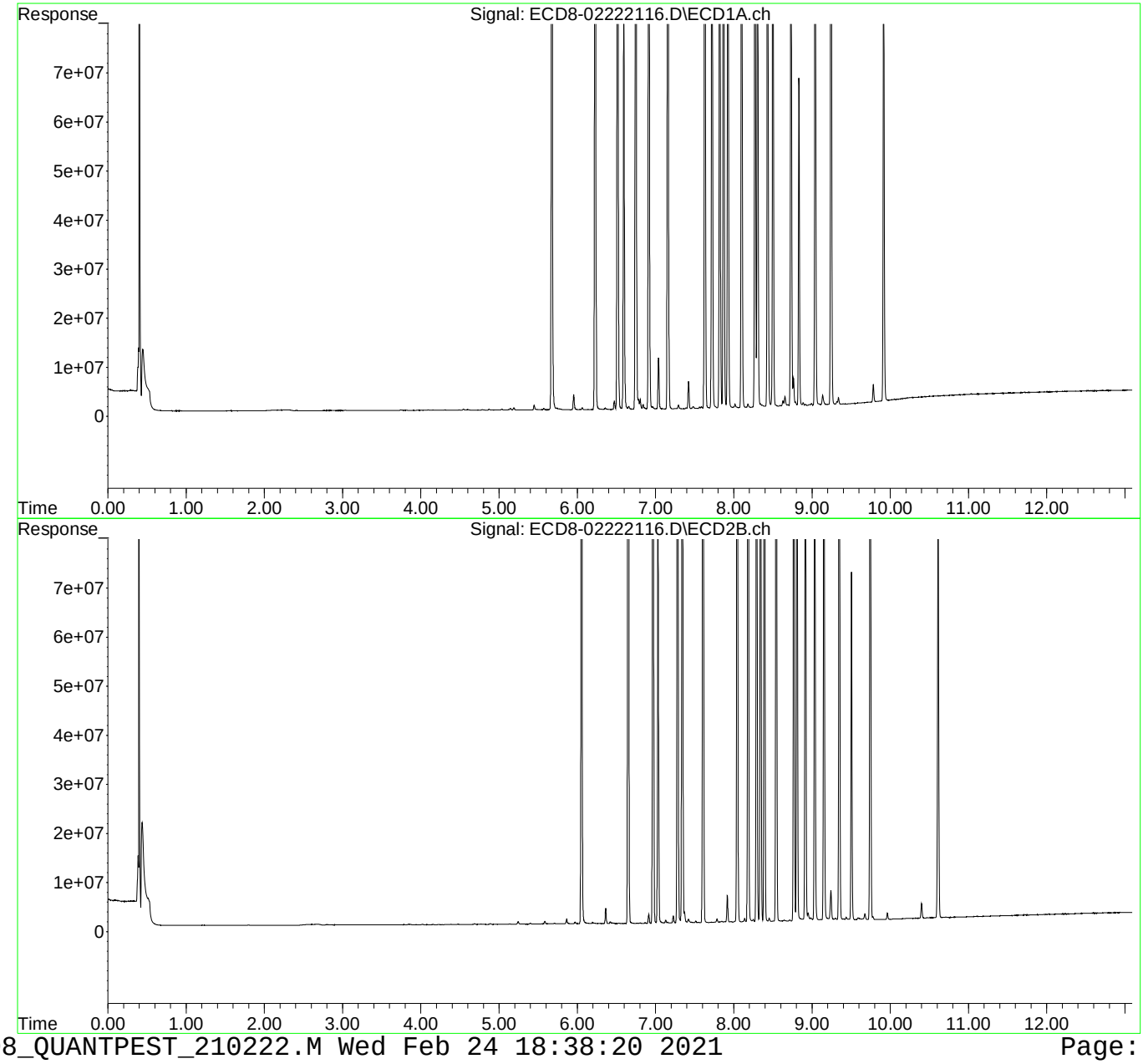
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.271	8.808	140.4E6	155.4E6	41.851	43.307	
31)	Mirex	8.965	9.745	178548	166.0E6	21703.313	82.952	#
32)	Chlordane...	7.721	8.183	164.3E6	185.3E6	469.768	459.223	
33)	Chlordane...	7.820	8.292	159.5E6	174.7E6	458.967	517.777	
34)	Chlordane...	8.364	8.949	385556	1631430	3.655	5.272	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.820	8.502	159.5E6	96510	BelowCal	3.045	
37)	Toxaphene...	8.100	0.000	169.9E6	0	BelowCal	N.D.	
38)	Toxaphene...	8.433	8.915	128.9E6	143.5E6	2232.373	2484.515	
39)	Toxaphene...	8.653	8.983	1976616	626368	31.335	3.287	#
40)	Toxaphene...	8.887	9.153	563209	138.9E6	11.853	2338.750	#
41)	Toxaphene...	8.965	9.504f	178548	70843023	3.314	1234.055	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:25
Operator : MJB
Sample : 1B22071-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:25
Operator : MJB
Sample : 1B22071-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.055	170.9E6	186.7E6	53.308	54.850	
22) S	DCBP (S)	9.916	10.612	95450999	86677370	48.224	50.040	
	Target Compounds							
2)	a-BHC	6.228	6.651	225.0E6	253.7E6	52.880	55.979	
3)	g-BHC	6.515	6.968	197.2E6	218.2E6	54.327	55.872	
4)	b-BHC	6.594	7.032	81828768	91465899	52.320	54.242	
5)	Heptachlor	6.914	7.342	180.6E6	203.1E6	52.657	55.086	
6)	d-BHC	6.747	7.281	191.0E6	219.6E6	56.564	55.915	
7)	Aldrin	7.157	7.607	192.2E6	202.3E6	55.916	57.507	
8)	Heptachlo...	7.629	8.044	164.0E6	173.6E6	52.004	52.463	
9)	trans-Chl...	7.721	8.183	164.3E6	185.3E6	51.009	54.980	
10)	cis-Chlor...	7.820	8.292	159.5E6	174.7E6	50.615	53.878	
11)	Endosulfa...	7.925	8.342	148.6E6	160.6E6	51.228	53.346	
12)	4,4'-DDE	7.870	8.392	175.0E6	192.4E6	50.829	54.755	
13)	Dieldrin	8.100	8.542	169.9E6	179.8E6	53.574	54.665	
14)	Endrin	8.271	8.768	140.4E6	148.4E6	54.286	55.892	
15)	4,4'-DDD	8.303	8.808	142.4E6	155.4E6	52.615	55.013	
16)	Endosulfa...	8.433	8.915	128.9E6	143.5E6	51.206	53.731	
17)	4,4'-DDT	8.501	9.035	135.0E6	144.6E6	55.066	56.260	
18)	Endrin Al...	8.731	9.153	126.8E6	138.9E6	57.748	56.415	
19)	Endosulfa...	9.041	9.349	127.1E6	138.5E6	50.831	51.916	
20)	Methoxychlor	8.833	9.504	66754031	70843023	53.360	53.844	
21)	Endrin Ke...	9.243	9.745	151.4E6	166.0E6	50.816	57.020	
23)	Hexachlor...	3.455	3.780	7009	43849	0.002	0.011	#
24)	Hexachlor...	6.064	6.530	414884	114692	0.127	0.032	#
25)	Oxychlordane	7.561	7.964	301972	141269	0.110	0.048	#
26)	2,4'-DDE	7.629	8.183	164.0E6	185.3E6	73.384	79.736	
27)	trans-Non...	7.820	8.248	159.5E6	475361	50.197	0.141	#
28)	2,4'-DDD	8.015	8.542	738174	179.8E6	0.390	88.557	#
29)	2,4'-DDT	8.180	8.768	701540	148.4E6	0.348	70.504	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:25
Operator : MJB
Sample : 1B22071-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

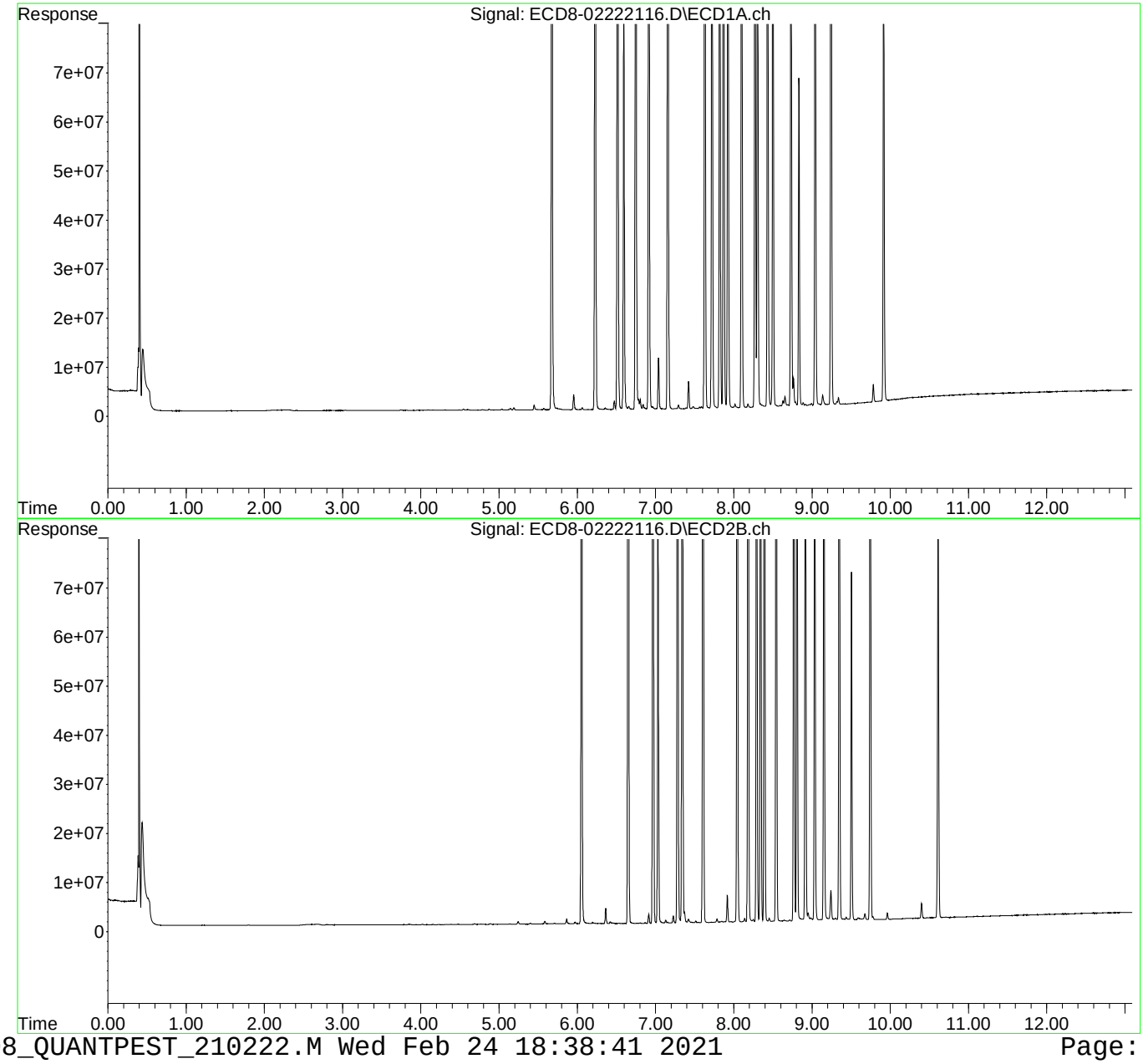
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.271	8.808	140.4E6	155.4E6	41.851	43.307	
31)	Mirex	8.965	9.745	178548	166.0E6	21703.313	82.952	#
32)	Chlordane...	7.721	8.183	164.3E6	185.3E6	469.768	459.223	
33)	Chlordane...	7.820	8.292	159.5E6	174.7E6	458.967	517.777	
34)	Chlordane...	8.364	8.949	385556	1631430	3.655	5.272	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.820	8.502	159.5E6	96510	BelowCal	3.045	
37)	Toxaphene...	8.100	0.000	169.9E6	0	BelowCal	N.D.	
38)	Toxaphene...	8.433	8.915	128.9E6	143.5E6	2232.373	2484.515	
39)	Toxaphene...	8.653	8.983	1976616	626368	31.335	3.287	#
40)	Toxaphene...	8.887	9.153	563209	138.9E6	11.853	2338.750	#
41)	Toxaphene...	8.965	9.504f	178548	70843023	3.314	1234.055	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:25
Operator : MJB
Sample : 1B22071-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:07
Operator : MJB
Sample : 1B22071-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:55 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.042	0	37892	N.D.	0.011	#
22) S	DCBP (S)	9.894	0.000	243146	0	1931.217	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.652	0	15216	N.D.	0.003	#
3)	g-BHC	6.476f	6.939f	4362	6473	0.001	0.002	#
4)	b-BHC	0.000	7.021	0	6074	N.D.	BelowCal	
5)	Heptachlor	6.922	7.362f	22978	43308	0.007	0.012	#
6)	d-BHC	6.775f	7.292	20673	15637	0.006	BelowCal	#
7)	Aldrin	7.154	7.610	29810	57075	0.009	0.016	#
8)	Heptachlo...	7.626	8.043	25840	53965	0.008	0.016	#
9)	trans-Chl...	7.723	8.172	9908	46599	0.003	0.014	#
10)	cis-Chlor...	7.818	8.291	20578	89888	0.007	0.028	#
11)	Endosulfa...	7.920	8.338	45425	56625	0.016	0.019	
12)	4,4'-DDE	7.859	8.395	175308	46021	0.051	0.013	#
13)	Dieldrin	8.101	8.529	20918	37825	0.007	0.011	#
14)	Endrin	8.259	8.774	10932	68797	0.004	0.031	#
15)	4,4'-DDD	8.293	8.774f	20132	68797	0.007	0.024	#
16)	Endosulfa...	8.443	8.917	18422	468284	0.007	0.175	#
17)	4,4'-DDT	8.483	0.000	8055	0	0.003	N.D.	#
18)	Endrin Al...	8.705f	9.155	923777	146748	BelowCal	BelowCal	
19)	Endosulfa...	9.046	9.352	55971	86416	0.022	0.032	#
20)	Methoxychlor	8.816	9.503	560745	23058	0.448	0.018	#
21)	Endrin Ke...	9.248	9.738	33271	136314	0.011	BelowCal	#
23)	Hexachlor...	3.468	3.782	8790	215726	0.003	0.054	#
24)	Hexachlor...	6.063	6.518	20229	30125	0.006	0.008	#
25)	Oxychlordane	7.555	7.971	23216	56981	0.008	0.019	#
26)	2,4'-DDE	7.626	8.172	25840	46599	0.012	0.020	#
27)	trans-Non...	7.818	8.213f	20578	297897	0.006	0.089	#
28)	2,4'-DDD	7.997	8.529	15940	37825	0.008	BelowCal	#
29)	2,4'-DDT	8.185	8.774	11738	68797	0.006	0.033	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:07
Operator : MJB
Sample : 1B22071-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:55 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

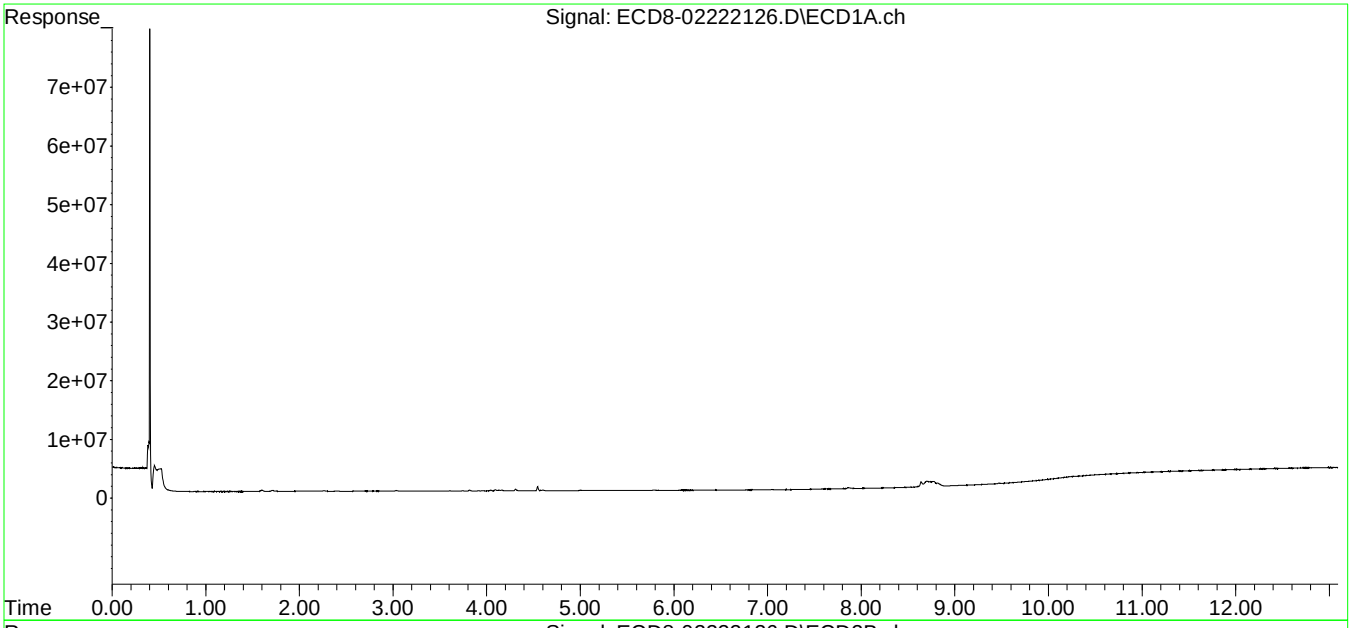
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.293	8.774f	20132	68797	0.006	0.019 #
31)	Mirex	8.966	9.738	40842	136314	21703.382	BelowCal #
32)	Chlordane...	7.723	8.172	9908	46599	0.028	0.115 #
33)	Chlordane...	7.818	8.291	20578	89888	0.059	0.266 #
34)	Chlordane...	8.379	8.958	15196	1186303	0.144	0.638 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.818	8.529	20578	37825	0.471	1.193 #
37)	Toxaphene...	8.101	0.000	20918	0	0.093	N.D. #
38)	Toxaphene...	8.403	8.917	10980	468284	0.190	8.108 #
39)	Toxaphene...	8.639f	8.958	855129	1186303	13.556	9.665 #
40)	Toxaphene...	0.000	9.155	0	146748	N.D.	BelowCal
41)	Toxaphene...	8.966	9.527	40842	15279	0.758	0.266 #
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:07
Operator : MJB
Sample : 1B22071-IBL2
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:38:55 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:23
Operator : MJB
Sample : 1B22071-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.645f	6.040	364309	66586	0.114	0.020	#
22)	S	DCBP (S)	9.929f	10.609	257626	50663	1931.210	BelowCal	#
		Target Compounds							
2)		a-BHC	6.228	6.648	88657	71032	0.021	0.016	
3)		g-BHC	6.514	6.966	36296	30251	0.010	0.008	
4)		b-BHC	6.603	7.036	22058	35528	0.014	BelowCal	#
5)		Heptachlor	6.913	7.341	115216	120216	0.034	0.033	
6)		d-BHC	6.755	7.282	83712	103577	0.025	0.019	#
7)		Aldrin	7.157	7.603	62686	84984	0.018	0.024	#
8)		Heptachlo...	7.616	8.040	104.0E6	215894	32.982	0.065	#
9)		trans-Chl...	7.722	8.167	2208780	115.1E6	0.686	34.145	#
10)		cis-Chlor...	7.805	8.285	149.6E6	5978832	47.475	1.844	#
11)		Endosulfa...	7.916	8.359	486954	380896	0.168	0.127	
12)		4,4'-DDE	7.833f	8.401	6742084	351730	1.958	0.100	#
13)		Dieldrin	8.091	8.541	278028	96269018	0.088	29.268	#
14)		Endrin	8.287	8.764	160.1E6	104.4E6	61.889	40.259	#
15)		4,4'-DDD	8.287	8.812	160.1E6	177.2E6	59.156	62.708	
16)		Endosulfa...	8.435	8.916	41547	809691	0.017	0.303	#
17)		4,4'-DDT	8.503	0.000	69839	0	0.028	N.D.	#
18)		Endrin Al...	8.731	9.154	151332	177326	BelowCal	BelowCal	
19)		Endosulfa...	9.040	9.349	106705	95218	0.043	0.036	
20)		Methoxychlor	8.835	9.508	16887	32498	0.013	0.025	#
21)		Endrin Ke...	9.245	9.732	60785	97667680	0.020	34.544	#
23)		Hexachlor...	3.462	3.768	157.0E6	187.6E6	45.162	46.794	
24)		Hexachlor...	6.062	6.518	149.0E6	168.2E6	45.698	46.828	
25)		Oxychlordane	7.551	7.973	128.4E6	136.9E6	46.548	46.567	
26)		2,4'-DDE	7.616	8.167	104.0E6	115.1E6	46.542	49.520	
27)		trans-Non...	7.805	8.249	149.6E6	164.1E6	47.083	48.779	
28)		2,4'-DDD	7.999	8.541	87616959	96269018	46.239	48.819	
29)		2,4'-DDT	8.181	8.764	99351754	104.4E6	49.259	49.637	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:23
Operator : MJB
Sample : 1B22071-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

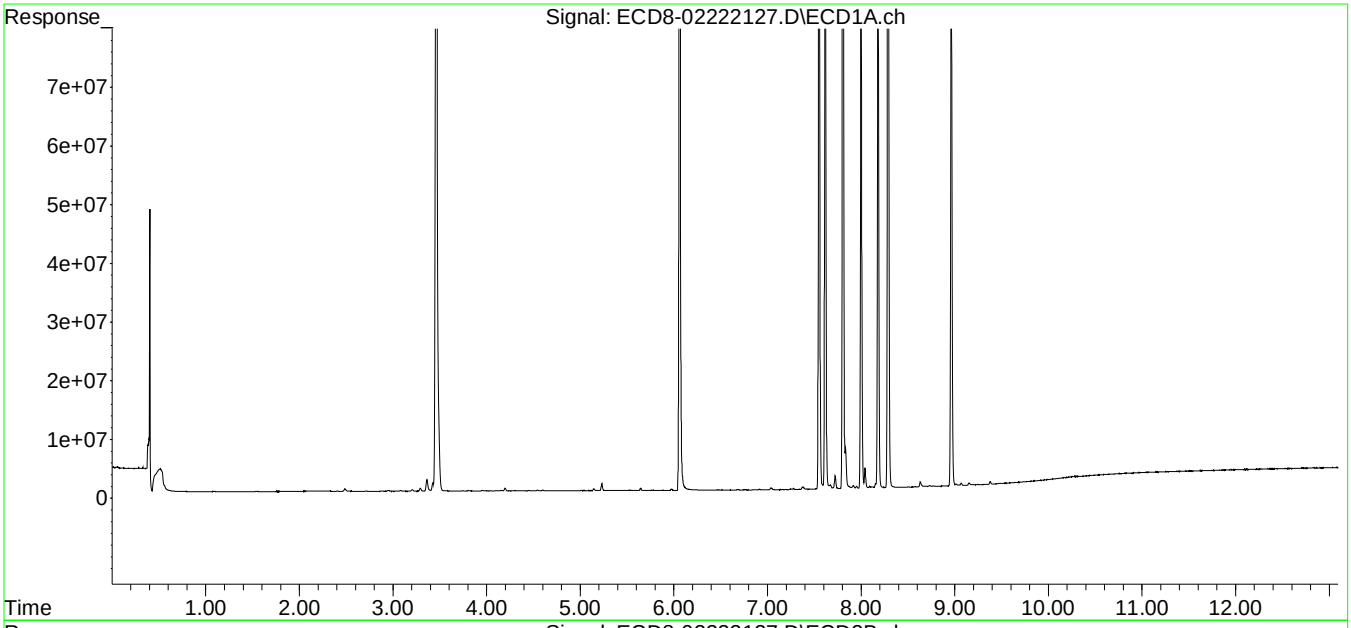
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.287	8.812	160.1E6	177.2E6	47.713	49.365	
31)	Mirex	8.963	9.732	95062132	97667680	47.844	49.899	
32)	Chlordane...	7.722	8.167	2208780	115.1E6	6.315	285.197	#
33)	Chlordane...	7.805	8.285	149.6E6	5978832	430.494	17.722	#
34)	Chlordane...	8.378	8.953	44620	1499534	0.423	3.899	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.805	8.503	149.6E6	58948	BelowCal	1.860	
37)	Toxaphene...	8.091	0.000	278028	0	8.099	N.D.	#
38)	Toxaphene...	8.435	8.916	41547	809691	0.720	14.019	#
39)	Toxaphene...	8.672	8.989	76187	1560029	1.208	13.918	#
40)	Toxaphene...	8.918f	9.154	17423	177326	0.367	BelowCal	#
41)	Toxaphene...	8.963	9.528	95062132	19857	1764.612	0.346	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

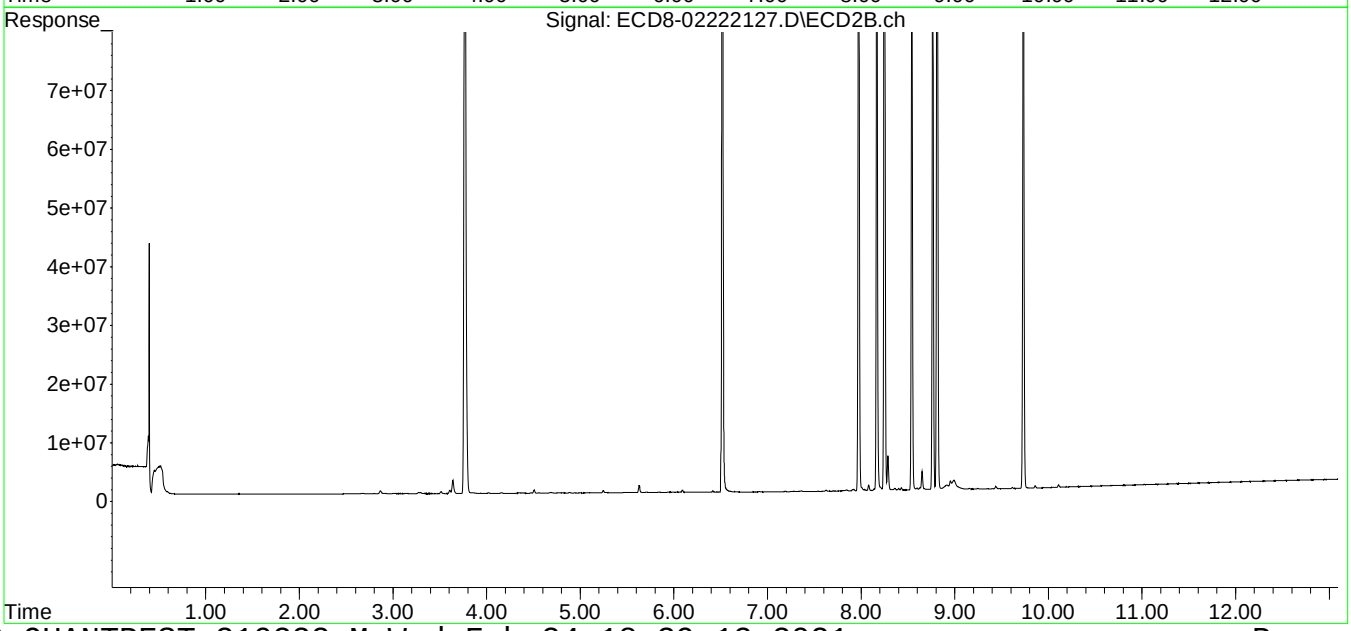
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:23
Operator : MJB
Sample : 1B22071-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:23
Operator : MJB
Sample : 1B22071-ICV2 MJB 2/24/21
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.645f	6.040	364309	66586	0.114	0.020	#
22) S	DCBP (S)	9.929f	10.609	257626	50663	1931.210	BelowCal	#
	Target Compounds							
2)	a-BHC	6.228	6.648	88657	71032	0.021	0.016	
3)	g-BHC	6.514	6.966	36296	30251	0.010	0.008	
4)	b-BHC	6.603	7.036	22058	35528	0.014	BelowCal	#
5)	Heptachlor	6.913	7.341	115216	120216	0.034	0.033	
6)	d-BHC	6.755	7.282	83712	103577	0.025	0.019	#
7)	Aldrin	7.157	7.603	62686	84984	0.018	0.024	#
8)	Heptachlo...	7.616	8.040	104.0E6	215894	32.982	0.065	#
9)	trans-Chl...	7.722	8.167	2208780	115.1E6	0.686	34.145	#
10)	cis-Chlor...	7.805	8.285	149.6E6	5978832	47.475	1.844	#
11)	Endosulfa...	7.916	8.359	486954	380896	0.168	0.127	
12)	4,4'-DDE	7.833f	8.401	6742084	351730	1.958	0.100	#
13)	Dieldrin	8.091	8.541	278028	96269018	0.088	29.268	#
14)	Endrin	8.287	8.764	160.1E6	104.4E6	61.889	40.259	#
15)	4,4'-DDD	8.287	8.812	160.1E6	177.2E6	59.156	62.708	
16)	Endosulfa...	8.435	8.916	41547	809691	0.017	0.303	#
17)	4,4'-DDT	8.503	0.000	69839	0	0.028	N.D.	#
18)	Endrin Al...	8.731	9.154	151332	177326	BelowCal	BelowCal	
19)	Endosulfa...	9.040	9.349	106705	95218	0.043	0.036	
20)	Methoxychlor	8.835	9.508	16887	32498	0.013	0.025	#
21)	Endrin Ke...	9.245	9.732	60785	97667680	0.020	34.544	#
23)	Hexachlor...	3.462	3.768	157.0E6	187.6E6	45.162	46.794	
24)	Hexachlor...	6.062	6.518	149.0E6	168.2E6	45.698	46.828	
25)	Oxychlordane	7.551	7.973	128.4E6	136.9E6	46.548	46.567	
26)	2,4'-DDE	7.616	8.167	104.0E6	115.1E6	46.542	49.520	
27)	trans-Non...	7.805	8.249	149.6E6	164.1E6	47.083	48.779	
28)	2,4'-DDD	7.999	8.541	87616959	96269018	46.239	48.819	
29)	2,4'-DDT	8.181	8.764	99351754	104.4E6	49.259	49.637	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:23
Operator : MJB
Sample : 1B22071-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

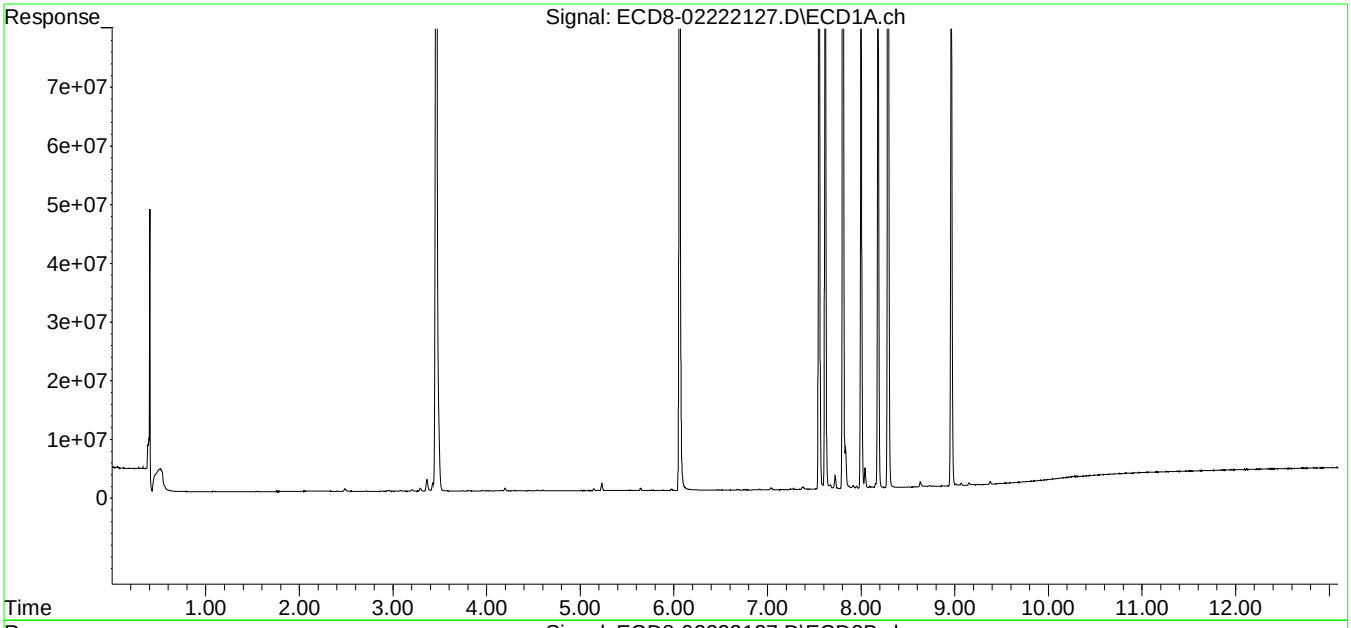
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.287	8.812	160.1E6	177.2E6	47.713	49.365	
31)	Mirex	8.963	9.732	95062132	97667680	47.844	49.899	
32)	Chlordane...	7.722	8.167	2208780	115.1E6	6.315	285.197	#
33)	Chlordane...	7.805	8.285	149.6E6	5978832	430.494	17.722	#
34)	Chlordane...	8.378	8.953	44620	1499534	0.423	3.899	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.805	8.503	149.6E6	58948	BelowCal	1.860	
37)	Toxaphene...	8.091	0.000	278028	0	8.099	N.D.	#
38)	Toxaphene...	8.435	8.916	41547	809691	0.720	14.019	#
39)	Toxaphene...	8.672	8.989	76187	1560029	1.208	13.918	#
40)	Toxaphene...	8.918f	9.154	17423	177326	0.367	BelowCal	#
41)	Toxaphene...	8.963	9.528	95062132	19857	1764.612	0.346	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

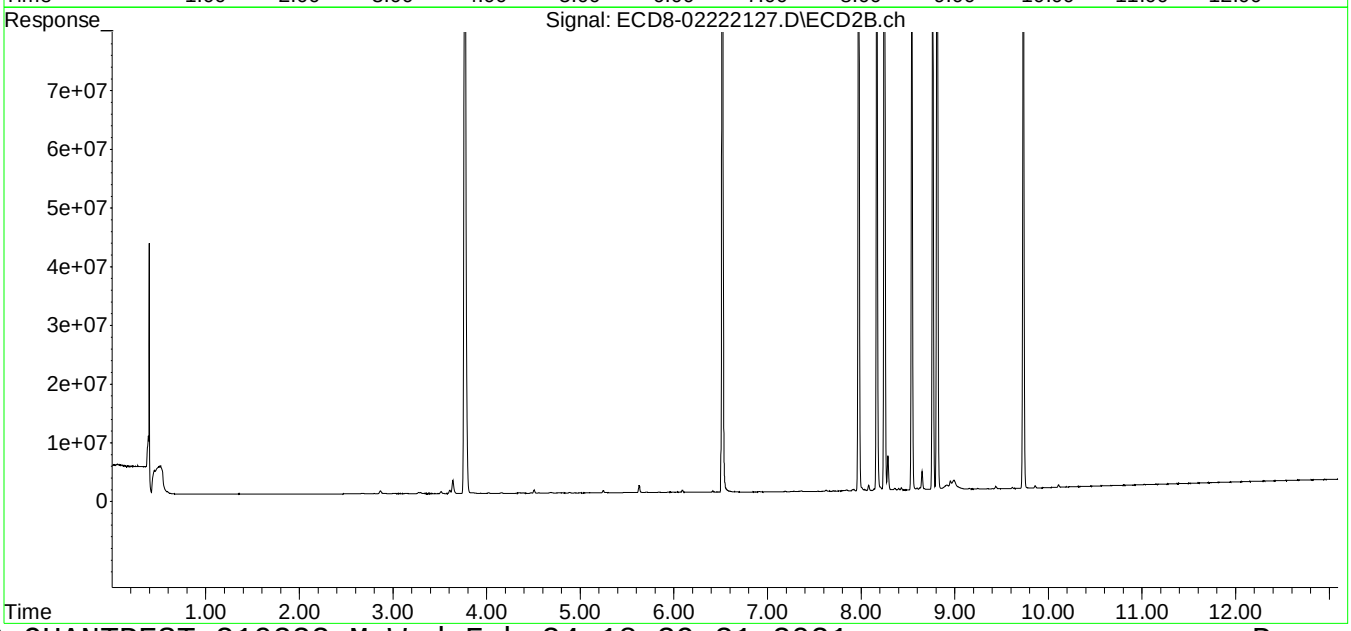
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:23
Operator : MJB
Sample : 1B22071-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:33
Operator : MJB
Sample : 1B22071-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:54 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.055	0	25256	N.D.	0.007	#
22) S	DCBP (S)	0.000	10.604	0	60245	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	0.000	6.646	0	16988	N.D.	0.004	#
3)	g-BHC	6.477f	0.000	15558	0	0.004	N.D.	#
4)	b-BHC	0.000	7.068f	0	9275	N.D.	BelowCal	
5)	Heptachlor	6.915	7.341	7743	25580	0.002	0.007	#
6)	d-BHC	6.774f	7.292	10766	25262	0.003	BelowCal	#
7)	Aldrin	0.000	7.601	0	48198	N.D.	0.014	#
8)	Heptachlo...	7.635	8.042	12743	47321	0.004	0.014	#
9)	trans-Chl...	7.733	8.190	28228	58500	0.009	0.017	#
10)	cis-Chlor...	7.823	8.287	24570	80502	0.008	0.025	#
11)	Endosulfa...	7.935	8.339	36646	45840	0.013	0.015	
12)	4,4'-DDE	7.871	8.366f	132898	50155	0.039	0.014	#
13)	Dieldrin	8.108	8.540	20087	35244	0.006	0.011	#
14)	Endrin	0.000	8.767	0	60570	N.D.	0.027	#
15)	4,4'-DDD	0.000	8.816	0	48853	N.D.	0.017	#
16)	Endosulfa...	8.452f	8.913	7910	50785	0.003	0.019	#
17)	4,4'-DDT	8.509	9.026	9036	73095	0.004	BelowCal	#
18)	Endrin Al...	8.742	9.158	74996	112689	BelowCal	BelowCal	
19)	Endosulfa...	9.050	9.337	31577	31618	0.013	0.012	
20)	Methoxychlor	0.000	9.503	0	30102	N.D.	0.023	#
21)	Endrin Ke...	0.000	9.745	0	92801	N.D.	BelowCal	
23)	Hexachlor...	3.468	3.780	24029	208891	0.007	0.052	#
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.555	7.958	9839	43650	0.004	0.015	#
26)	2,4'-DDE	7.617	8.160	16213	33001	0.007	0.014	#
27)	trans-Non...	7.823	8.249	24570	120021	0.008	0.036	#
28)	2,4'-DDD	8.025f	8.540	10432	35244	0.006	BelowCal	#
29)	2,4'-DDT	8.164	8.767	6448	60570	0.003	0.029	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:33
Operator : MJB
Sample : 1B22071-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:54 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

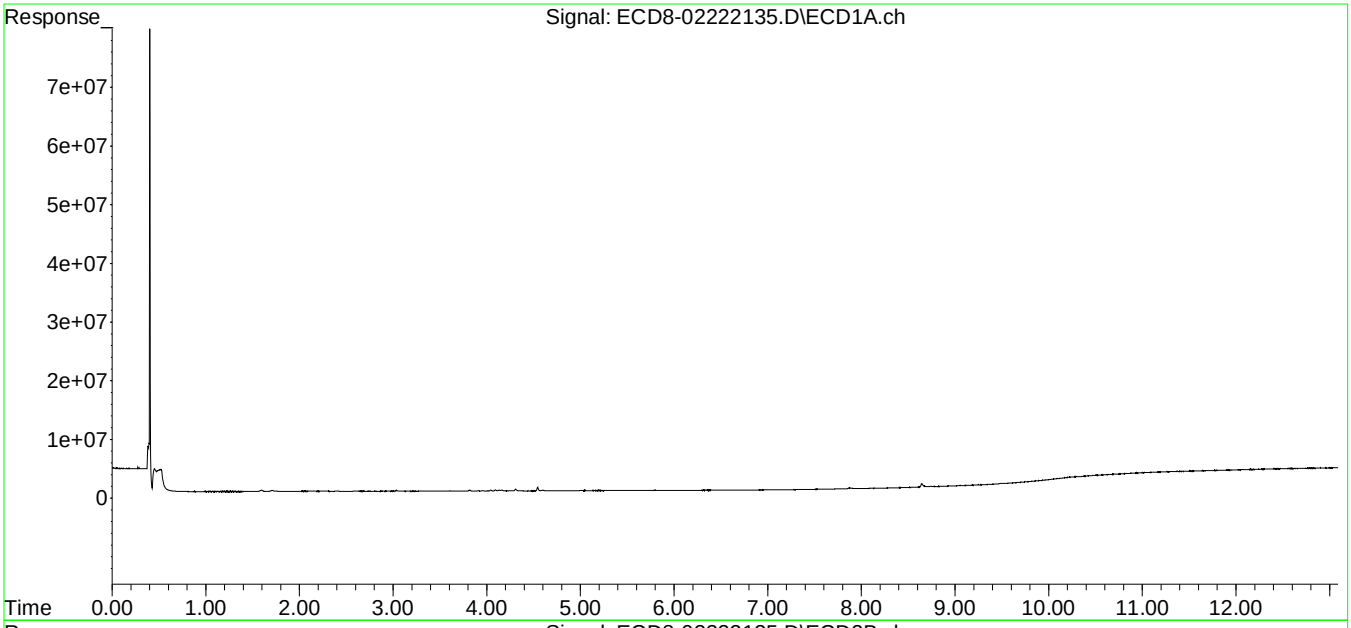
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.816	0	48853	N.D.	0.014	#
31)	Mirex	0.000	9.722	0	12197	N.D.	BelowCal	
32)	Chlordane...	7.733	8.190	28228	58500	0.081	0.145	#
33)	Chlordane...	7.823	8.287	24570	80502	0.071	0.239	#
34)	Chlordane...	8.386	8.960	10516	795438	0.100	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.823f	8.518	24570	34788	0.741	1.097	#
37)	Toxaphene...	8.108	8.880	20087	47466	0.067	1.230	#
38)	Toxaphene...	8.452f	8.904	7910	56022	0.137	0.970	#
39)	Toxaphene...	8.644	8.960	579057	795438	9.180	5.214	#
40)	Toxaphene...	0.000	9.158	0	112689	N.D.	BelowCal	
41)	Toxaphene...	0.000	9.510	0	28685	N.D.	0.500	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222135.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:33
Operator : MJB
Sample : 1B22071-IBL3
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:39:54 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:49
Operator : MJB
Sample : 1B22071-ICV3
Misc : A20L144, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.042	72491	76313	0.023	0.022	
22) S	DCBP (S)	9.906	10.578f	234806	119933	1931.221	BelowCal	#
	Target Compounds							
2)	a-BHC	6.218	6.681f	83213	3695574	0.020	0.815	#
3)	g-BHC	6.525	6.978	155509	1739749	0.043	0.446	#
4)	b-BHC	6.605	7.018	2050320	243548	1.311	BelowCal	#
5)	Heptachlor	6.913	7.340	81168334	87724793	23.670	23.789	
6)	d-BHC	6.759	7.278	2331910	574969	0.691	0.149	#
7)	Aldrin	7.170	7.570f	1063166	2914539	0.309	0.829	#
8)	Heptachlo...	7.633	8.060	11327156	4335435	3.592	1.310	#
9)	trans-Chl...	7.722	8.183	175.5E6	204.0E6	54.476	60.505	
10)	cis-Chlor...	7.818	8.290	172.8E6	174.8E6	54.817	53.905	
11)	Endosulfa...	7.940	8.357	4507245	3187104	1.554	1.059	#
12)	4,4'-DDE	7.851	8.389	4694670	4300570	1.363	1.224	
13)	Dieldrin	8.112	8.544	5529130	17173793	1.743	5.221	#
14)	Endrin	8.288f	8.765	29217345	3906420	11.294	1.599	#
15)	4,4'-DDD	8.288	8.813	29217345	31406673	10.795	11.116	
16)	Endosulfa...	8.430	8.904	3697381	4106083	1.469	1.537	
17)	4,4'-DDT	8.498	9.028	920252	2961163	0.375	1.233	#
18)	Endrin Al...	8.745	9.123f	922896	1079245	BelowCal	0.059	
19)	Endosulfa...	9.037	9.328	2053302	264052	0.821	0.099	#
20)	Methoxychlor	8.817	9.506	919411	183786	0.735	0.140	#
21)	Endrin Ke...	9.227	9.747	224769	1690092	0.075	0.313	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	6.057	6.488f	86552	410108	0.027	0.114	#
25)	Oxychlordane	7.581f	7.989	33576777	2704642	12.176	0.920	#
26)	2,4'-DDE	7.633	8.156	11327156	4408390	5.068	1.897	#
27)	trans-Non...	7.818	8.248	172.8E6	149.4E6	54.365	44.423	
28)	2,4'-DDD	8.004	8.544	4812374	17173793	2.540	8.873	#
29)	2,4'-DDT	8.158f	8.765	12295588	3906420	6.096	1.856	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:49
Operator : MJB
Sample : 1B22071-ICV3
Misc : A20L144, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

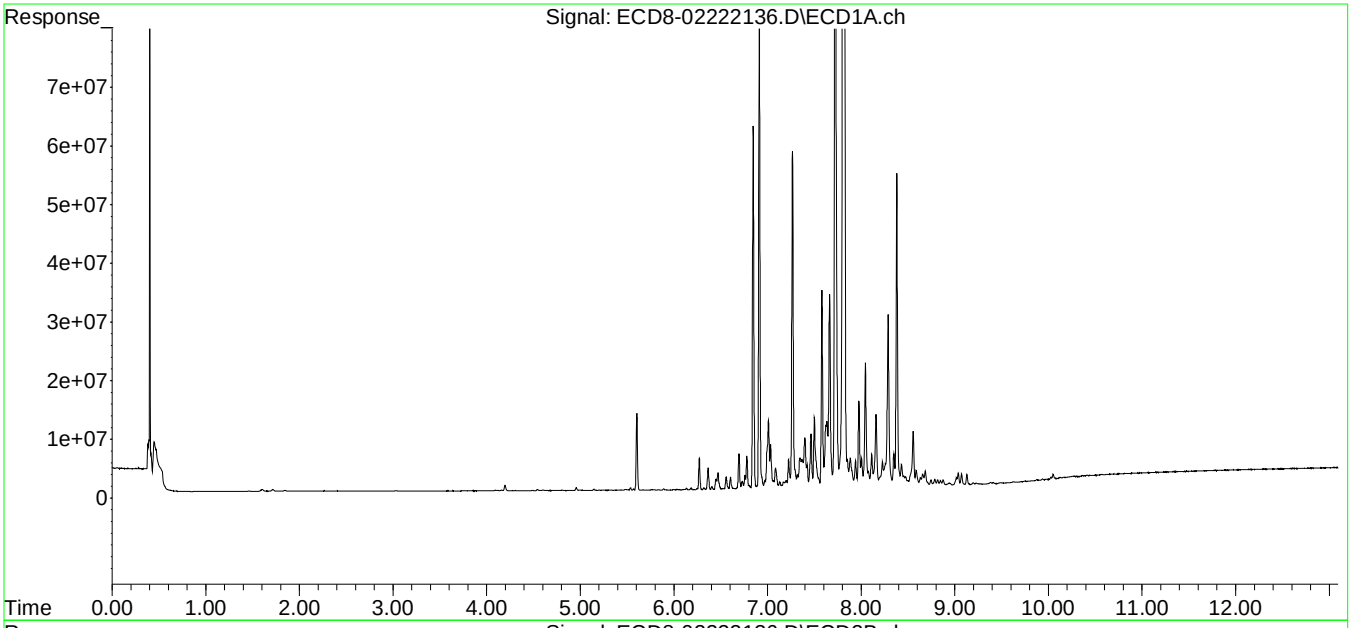
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.813	29217345	31406673	8.707	8.751	
31)	Mirex	8.948	9.747	288050	1690092	21703.258	0.468	#
32)	Chlordane...	7.722	8.183	175.5E6	204.0E6	501.696	505.374	
33)	Chlordane...	7.818	8.290	172.8E6	174.8E6	497.075	518.045	
34)	Chlordane...	8.380	8.953	53238716	54618679	504.656	525.439	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.818	8.544f	172.8E6	17173793	BelowCal	541.789	
37)	Toxaphene...	8.112	8.869	5529130	4834689	173.995	125.263	#
38)	Toxaphene...	8.430	8.904	3697381	4106083	64.056	71.092	
39)	Toxaphene...	8.656	8.953	1950141	54618679	30.915	591.778	#
40)	Toxaphene...	8.875f	9.123f	880109	1079245	18.522	16.309	
41)	Toxaphene...	8.948f	9.506f	288050	183786	5.347	3.201	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

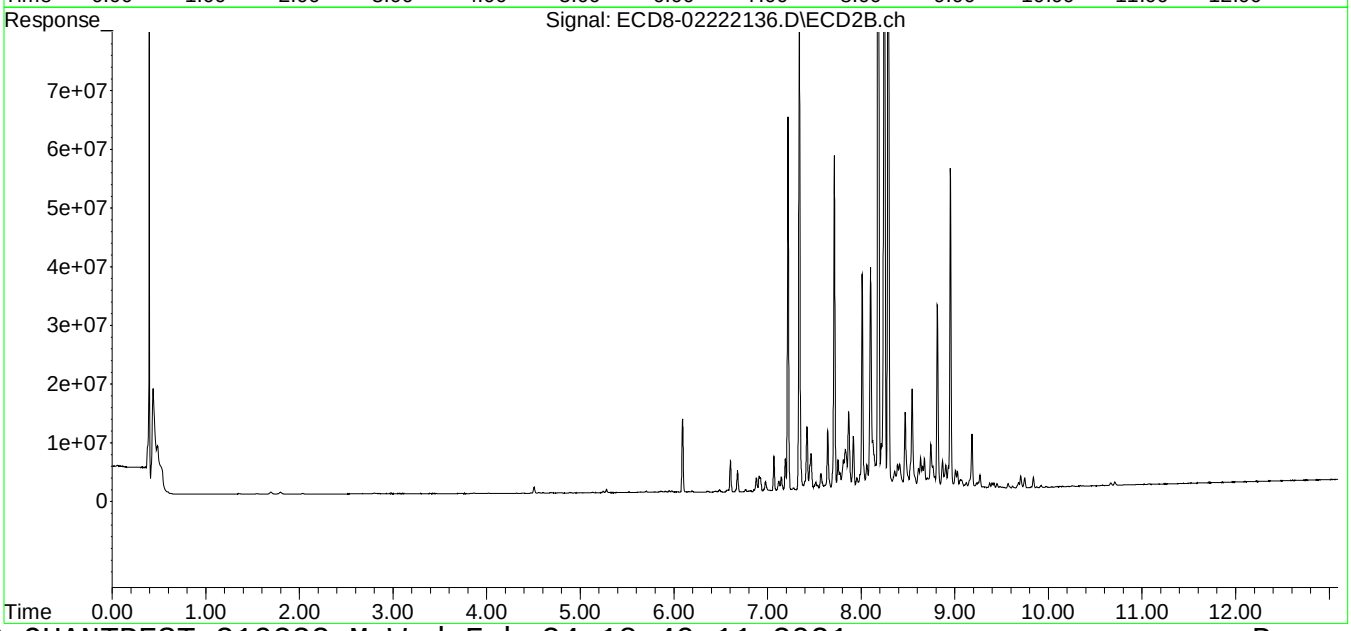
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:49
Operator : MJB
Sample : 1B22071-ICV3
Misc : A20L144, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:49
Operator : MJB
Sample : 1B22071-ICV3
Misc : A20L144, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.042	72491	76313	0.023	0.022	
22) S	DCBP (S)	9.906	10.578f	234806	119933	1931.221	BelowCal	#
	Target Compounds							
2)	a-BHC	6.218	6.681f	83213	3695574	0.020	0.815	#
3)	g-BHC	6.525	6.978	155509	1739749	0.043	0.446	#
4)	b-BHC	6.605	7.018	2050320	243548	1.311	BelowCal	#
5)	Heptachlor	6.913	7.340	81168334	87724793	23.670	23.789	
6)	d-BHC	6.759	7.278	2331910	574969	0.691	0.149	#
7)	Aldrin	7.170	7.570f	1063166	2914539	0.309	0.829	#
8)	Heptachlo...	7.633	8.060	11327156	4335435	3.592	1.310	#
9)	trans-Chl...	7.722	8.183	175.5E6	204.0E6	54.476	60.505	
10)	cis-Chlor...	7.818	8.290	172.8E6	174.8E6	54.817	53.905	
11)	Endosulfa...	7.940	8.357	4507245	3187104	1.554	1.059	#
12)	4,4'-DDE	7.851	8.389	4694670	4300570	1.363	1.224	
13)	Dieldrin	8.112	8.544	5529130	17173793	1.743	5.221	#
14)	Endrin	8.288f	8.765	29217345	3906420	11.294	1.599	#
15)	4,4'-DDD	8.288	8.813	29217345	31406673	10.795	11.116	
16)	Endosulfa...	8.430	8.904	3697381	4106083	1.469	1.537	
17)	4,4'-DDT	8.498	9.028	920252	2961163	0.375	1.233	#
18)	Endrin Al...	8.745	9.123f	922896	1079245	BelowCal	0.059	
19)	Endosulfa...	9.037	9.328	2053302	264052	0.821	0.099	#
20)	Methoxychlor	8.817	9.506	919411	183786	0.735	0.140	#
21)	Endrin Ke...	9.227	9.747	224769	1690092	0.075	0.313	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	6.057	6.488f	86552	410108	0.027	0.114	#
25)	Oxychlordane	7.581f	7.989	33576777	2704642	12.176	0.920	#
26)	2,4'-DDE	7.633	8.156	11327156	4408390	5.068	1.897	#
27)	trans-Non...	7.818	8.248	172.8E6	149.4E6	54.365	44.423	
28)	2,4'-DDD	8.004	8.544	4812374	17173793	2.540	8.873	#
29)	2,4'-DDT	8.158f	8.765	12295588	3906420	6.096	1.856	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:49
Operator : MJB
Sample : 1B22071-ICV3
Misc : A20L144, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

FRONT COLUMN: 501.14
REAR COLUMN: 516.29

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

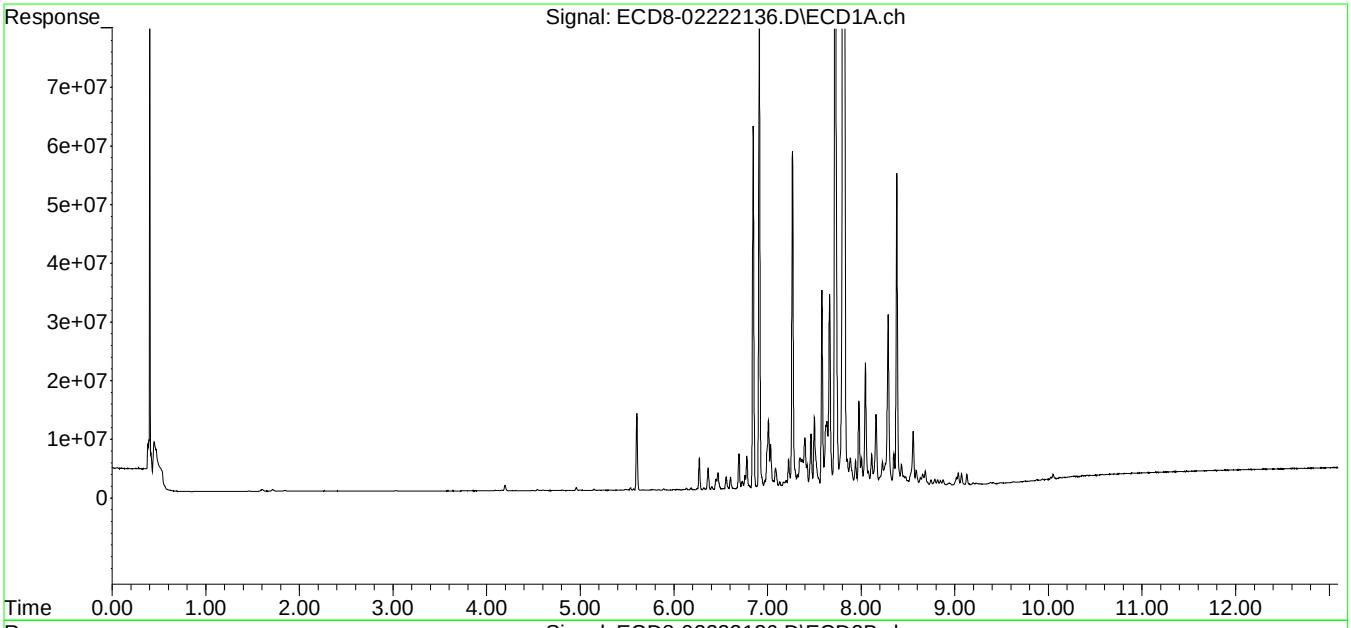
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.813	29217345	31406673	8.707	8.751	
31)	Mirex	8.948	9.747	288050	1690092	21703.258	0.468	#
32)	Chlordane...	7.722	8.183	175.5E6	204.0E6	501.696	505.374	
33)	Chlordane...	7.818	8.290	172.8E6	174.8E6	497.075	518.045	
34)	Chlordane...	8.380	8.953	53238716	54618679	504.656	525.439	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.818	8.544f	172.8E6	17173793	BelowCal	541.789	
37)	Toxaphene...	8.112	8.869	5529130	4834689	173.995	125.263	#
38)	Toxaphene...	8.430	8.904	3697381	4106083	64.056	71.092	
39)	Toxaphene...	8.656	8.953	1950141	54618679	30.915	591.778	#
40)	Toxaphene...	8.875f	9.123f	880109	1079245	18.522	16.309	
41)	Toxaphene...	8.948f	9.506f	288050	183786	5.347	3.201	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

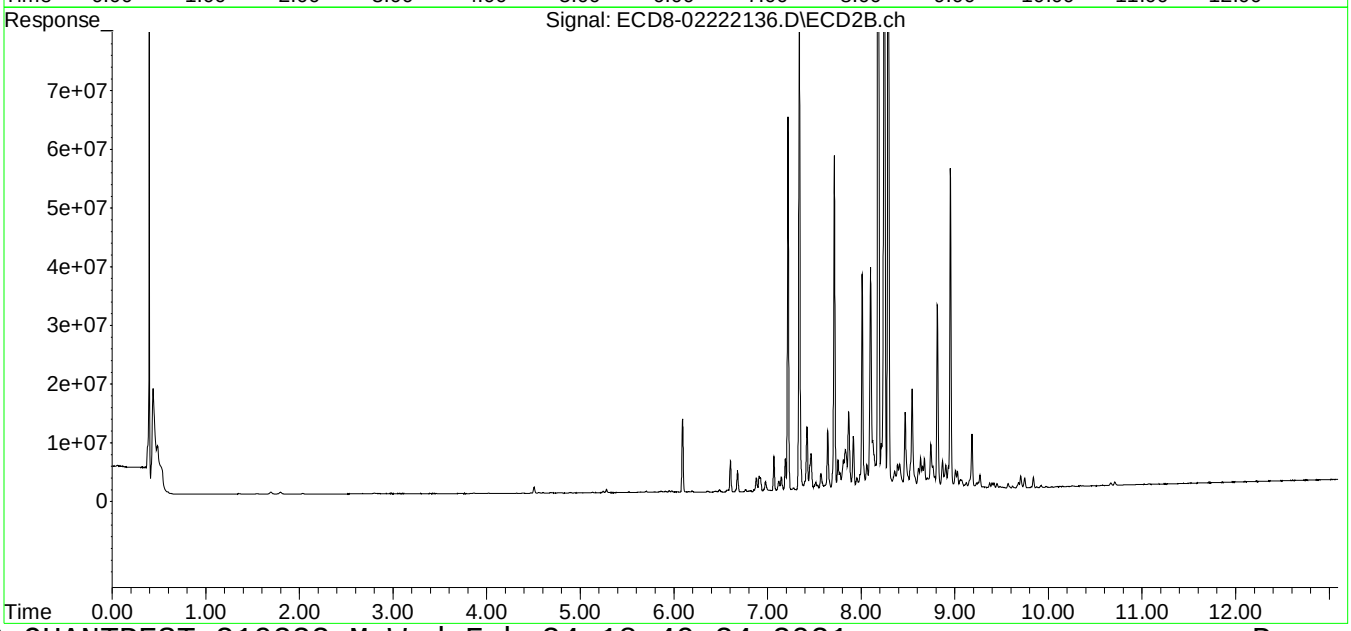
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:49
Operator : MJB
Sample : 1B22071-ICV3
Misc : A20L144, CHOLR 500 ppb
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:59
Operator : MJB
Sample : 1B22071-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:37 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.061	0	51275	N.D.	0.015	#
22) S	DCBP (S)	0.000	10.617	0	49482	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.222	6.648	5889	11366	0.001	0.003	#
3)	g-BHC	6.514	6.995f	8155	7862	0.002	0.002	
4)	b-BHC	0.000	7.033	0	5995	N.D.	BelowCal	
5)	Heptachlor	6.927	7.329	12000	7120	0.003	0.002	#
6)	d-BHC	0.000	7.276	0	11828	N.D.	BelowCal	
7)	Aldrin	0.000	7.610	0	35393	N.D.	0.010	#
8)	Heptachlo...	7.603f	8.047	25772	25470	0.008	0.008	
9)	trans-Chl...	7.743f	0.000	6465	0	0.002	N.D.	#
10)	cis-Chlor...	7.838f	8.293	5387	64981	0.002	0.020	#
11)	Endosulfa...	0.000	8.357	0	37399	N.D.	0.012	#
12)	4,4'-DDE	7.882	8.387	106313	26585	0.031	0.008	#
13)	Dieldrin	8.104	8.501f	23328	22317	0.007	0.007	
14)	Endrin	8.292f	8.776	7965	44713	0.003	0.021	#
15)	4,4'-DDD	8.292	8.834f	7965	32942	0.003	0.012	#
16)	Endosulfa...	8.451f	0.000	6320	0	0.003	N.D.	#
17)	4,4'-DDT	0.000	9.058f	0	58830	N.D.	BelowCal	
18)	Endrin Al...	8.713	9.156	42695	92347	BelowCal	BelowCal	
19)	Endosulfa...	9.048	9.354	19645	48990	0.008	0.018	#
20)	Methoxychlor	0.000	9.511	0	23751	N.D.	0.018	#
21)	Endrin Ke...	0.000	9.750	0	43814	N.D.	BelowCal	
23)	Hexachlor...	3.467	3.779	20285	224285	0.006	0.056	#
24)	Hexachlor...	0.000	6.511	0	19838	N.D.	0.006	#
25)	Oxychlordane	0.000	7.955	0	19087	N.D.	0.006	#
26)	2,4'-DDE	7.603	8.127f	25772	17660	0.012	0.008	#
27)	trans-Non...	7.838f	8.223f	5387	184853	0.002	0.055	#
28)	2,4'-DDD	7.992	8.501f	9853	22317	0.005	BelowCal	#
29)	2,4'-DDT	0.000	8.776	0	44713	N.D.	0.021	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:59
Operator : MJB
Sample : 1B22071-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:37 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

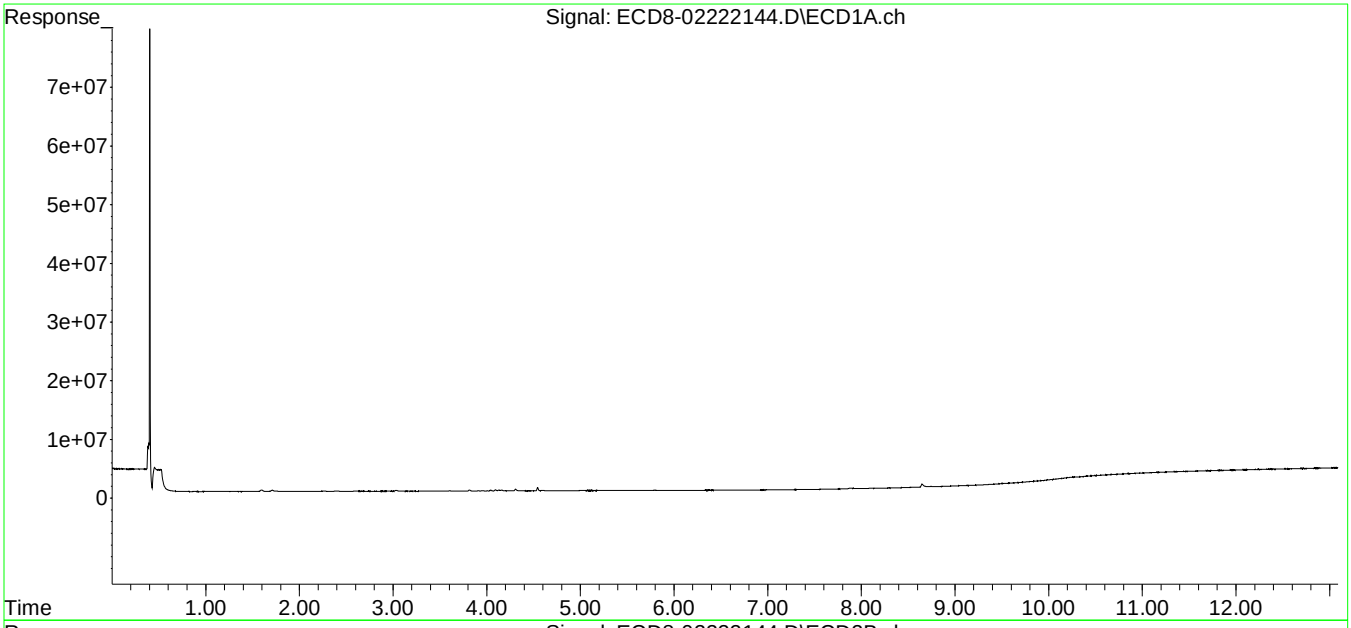
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.292	8.834f	7965	32942	0.002	0.009	#
31)	Mirex	0.000	9.750	0	43814	N.D.	BelowCal	
32)	Chlordane...	7.743f	0.000	6465	0	0.018	N.D.	#
33)	Chlordane...	7.838f	8.293	5387	64981	0.015	0.193	#
34)	Chlordane...	8.388	8.962	5719	691266	0.054	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.838f	8.501	5387	22317	15153.793	0.704	#
37)	Toxaphene...	8.104	8.834f	23328	32942	0.168	0.853	#
38)	Toxaphene...	8.451f	0.000	6320	0	0.109	N.D.	#
39)	Toxaphene...	8.647	8.962	493873	691266	7.829	4.027	#
40)	Toxaphene...	0.000	9.156	0	92347	N.D.	BelowCal	
41)	Toxaphene...	9.002f	9.535	8909	14419	0.165	0.251	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

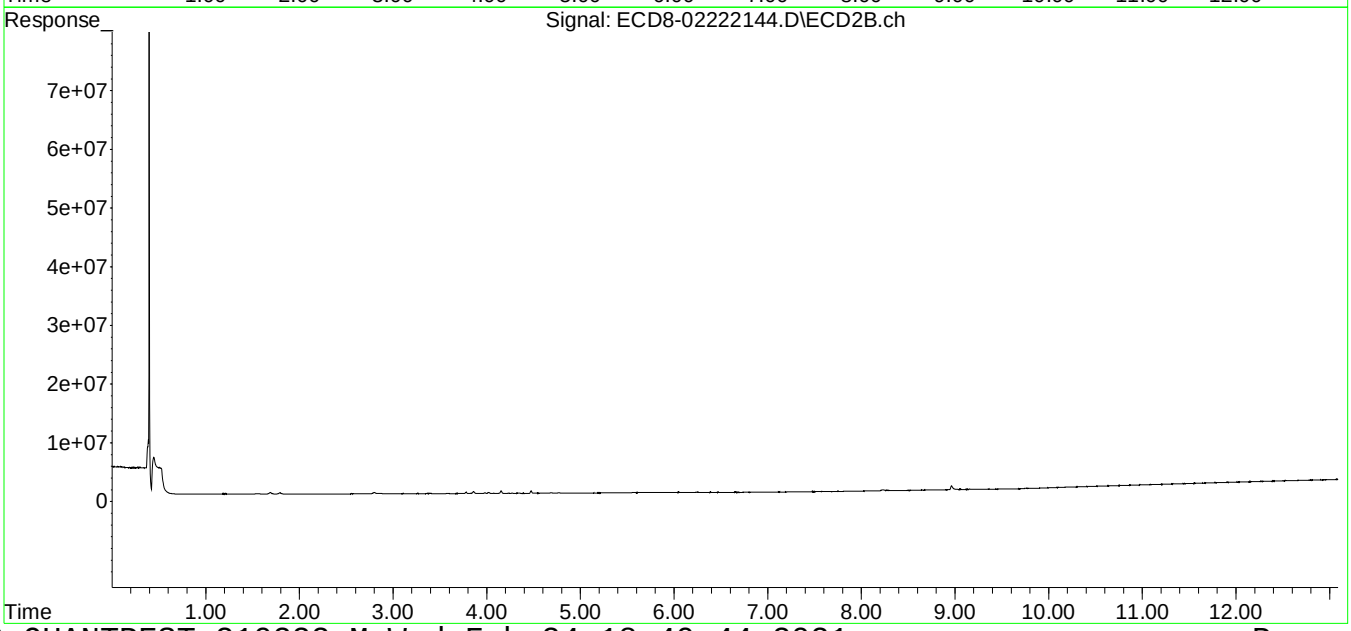
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:59
Operator : MJB
Sample : 1B22071-IBL4
Misc : Instrument Blank
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:37 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 6:15
Operator : MJB
Sample : 1B22071-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.057	69294	37268	0.022	0.011	#
22) S	DCBP (S)	9.917	10.608	516337	228675	1931.082	BelowCal	#
	Target Compounds							
2)	a-BHC	6.217	6.653	171659	190635	0.040	0.042	
3)	g-BHC	6.514	6.955	120768	263743	0.033	0.068	#
4)	b-BHC	6.601	7.020	138596	321258	0.089	0.004	#
5)	Heptachlor	6.915	7.348	289347	486379	0.084	0.132	#
6)	d-BHC	6.749	7.281	189022	437622	0.056	0.111	#
7)	Aldrin	7.160	7.622	716406	1164283	0.208	0.331	#
8)	Heptachlo...	7.633	8.039	2268731	3705041	0.719	1.120	#
9)	trans-Chl...	7.697f	8.193	3539192	2752512	1.099	0.816	#
10)	cis-Chlor...	7.802	8.268f	6249517	4795073	1.983	1.479	#
11)	Endosulfa...	7.929	8.349	8915302	5956906	3.074	1.979	#
12)	4,4'-DDE	7.881	8.377	3352747	6879432	0.974	1.957	#
13)	Dieldrin	8.099	8.558	13651725	8141469	4.304	2.475	#
14)	Endrin	8.281	8.761	18450327	16361519	7.132	6.638	
15)	4,4'-DDD	8.296	8.816	16303370	9656451	6.024	3.418	#
16)	Endosulfa...	8.420	8.903	27548640	26984580	10.948	10.104	
17)	4,4'-DDT	8.494	9.032	24885047	11146729	10.151	4.712	#
18)	Endrin Al...	8.709	9.149	18835069	26058919	7.756	10.446	#
19)	Endosulfa...	9.029	9.347	11741861	10747936	4.694	4.027	
20)	Methoxychlor	8.818	9.480	17019093	12544435	13.604	9.534	#
21)	Endrin Ke...	9.219	9.770f	7230724	5521200	2.427	1.749	#
23)	Hexachlor...	3.460	3.771	34860	57918	0.010	0.014	#
24)	Hexachlor...	6.065	6.505	99325	133965	0.030	0.037	
25)	Oxychlordane	7.554	7.986	4657645	3921745	1.689	1.334	
26)	2,4'-DDE	7.633	8.165	2268731	4649250	1.015	2.000	#
27)	trans-Non...	7.802	8.268	6249517	4795073	1.966	1.426	#
28)	2,4'-DDD	8.021f	8.558	9487013	8141469	5.007	4.148	
29)	2,4'-DDT	8.164	8.761	14404527	16361519	7.142	7.776	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 6:15
Operator : MJB
Sample : 1B22071-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

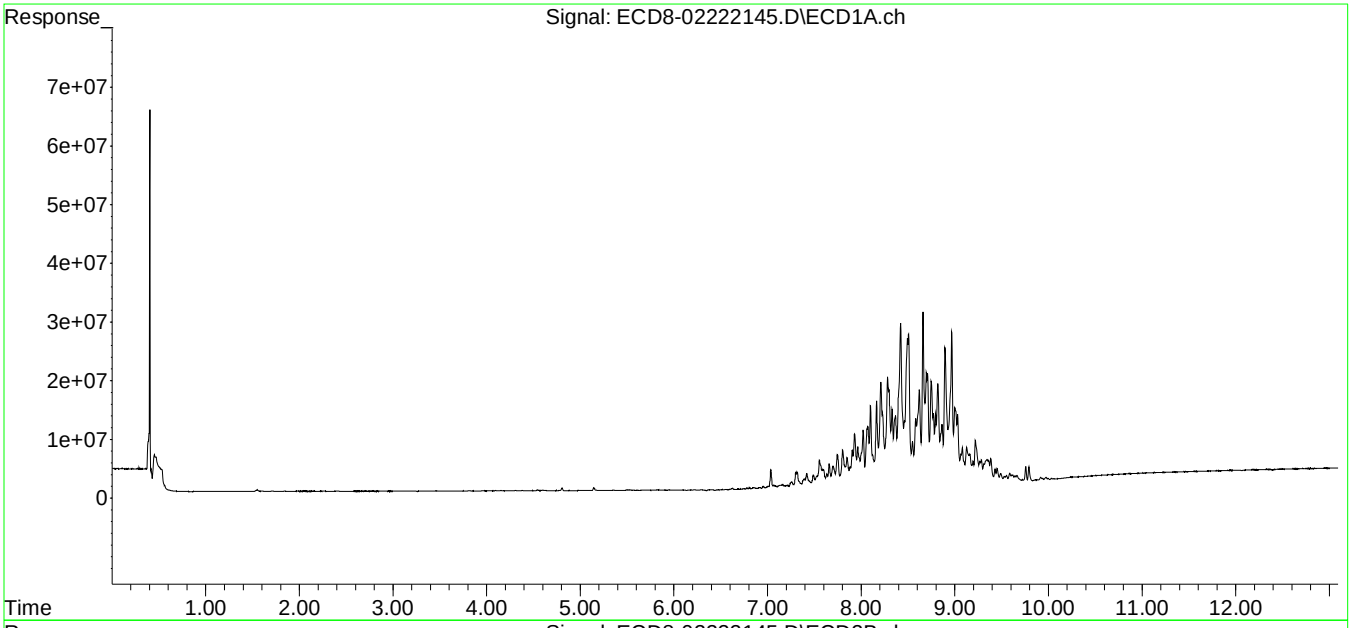
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.281	8.816	18450327	9656451	5.498	2.691	#
31)	Mirex	8.967	9.696f	25907256	5870084	12.889	2.702	#
32)	Chlordane...	7.697f	8.193	3539192	2752512	10.118	6.820	#
33)	Chlordane...	7.802	8.268f	6249517	4795073	17.978	14.213	
34)	Chlordane...	8.366	8.938	11788852	8490946	111.748	76.073	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.802	8.515	6249517	14067960	434.963	443.808	
37)	Toxaphene...	8.099	8.869	13651725	17531989	440.270	454.240	
38)	Toxaphene...	8.420	8.903	27548640	26984580	477.271	467.206	
39)	Toxaphene...	8.660	8.970	29317499	43645592	464.760	476.214	
40)	Toxaphene...	8.895	9.149	23135834	26058919	486.892	474.703	
41)	Toxaphene...	8.967	9.526	25907256	27582343	480.909	480.473	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

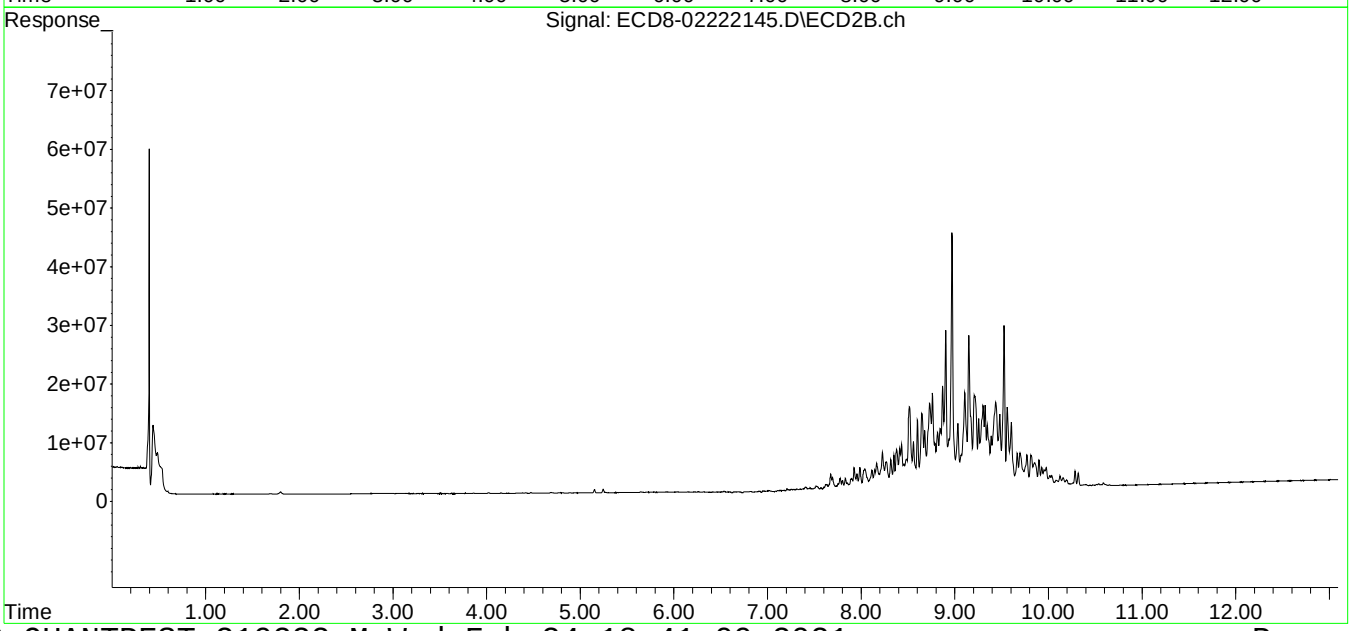
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 6:15
Operator : MJB
Sample : 1B22071-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 6:15
Operator : MJB
Sample : 1B22071-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.057	69294	37268	0.022	0.011	#
22) S	DCBP (S)	9.917	10.608	516337	228675	1931.082	BelowCal	#
	Target Compounds							
2)	a-BHC	6.217	6.653	171659	190635	0.040	0.042	
3)	g-BHC	6.514	6.955	120768	263743	0.033	0.068	#
4)	b-BHC	6.601	7.020	138596	321258	0.089	0.004	#
5)	Heptachlor	6.915	7.348	289347	486379	0.084	0.132	#
6)	d-BHC	6.749	7.281	189022	437622	0.056	0.111	#
7)	Aldrin	7.160	7.622	716406	1164283	0.208	0.331	#
8)	Heptachlo...	7.633	8.039	2268731	3705041	0.719	1.120	#
9)	trans-Chl...	7.697f	8.193	3539192	2752512	1.099	0.816	#
10)	cis-Chlor...	7.802	8.268f	6249517	4795073	1.983	1.479	#
11)	Endosulfa...	7.929	8.349	8915302	5956906	3.074	1.979	#
12)	4,4'-DDE	7.881	8.377	3352747	6879432	0.974	1.957	#
13)	Dieldrin	8.099	8.558	13651725	8141469	4.304	2.475	#
14)	Endrin	8.281	8.761	18450327	16361519	7.132	6.638	
15)	4,4'-DDD	8.296	8.816	16303370	9656451	6.024	3.418	#
16)	Endosulfa...	8.420	8.903	27548640	26984580	10.948	10.104	
17)	4,4'-DDT	8.494	9.032	24885047	11146729	10.151	4.712	#
18)	Endrin Al...	8.709	9.149	18835069	26058919	7.756	10.446	#
19)	Endosulfa...	9.029	9.347	11741861	10747936	4.694	4.027	
20)	Methoxychlor	8.818	9.480	17019093	12544435	13.604	9.534	#
21)	Endrin Ke...	9.219	9.770f	7230724	5521200	2.427	1.749	#
23)	Hexachlor...	3.460	3.771	34860	57918	0.010	0.014	#
24)	Hexachlor...	6.065	6.505	99325	133965	0.030	0.037	
25)	Oxychlordane	7.554	7.986	4657645	3921745	1.689	1.334	
26)	2,4'-DDE	7.633	8.165	2268731	4649250	1.015	2.000	#
27)	trans-Non...	7.802	8.268	6249517	4795073	1.966	1.426	#
28)	2,4'-DDD	8.021f	8.558	9487013	8141469	5.007	4.148	
29)	2,4'-DDT	8.164	8.761	14404527	16361519	7.142	7.776	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 6:15
Operator : MJB
Sample : 1B22071-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

FRONT COLUMN: 464.18
REAR COLUMN: 466.11

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

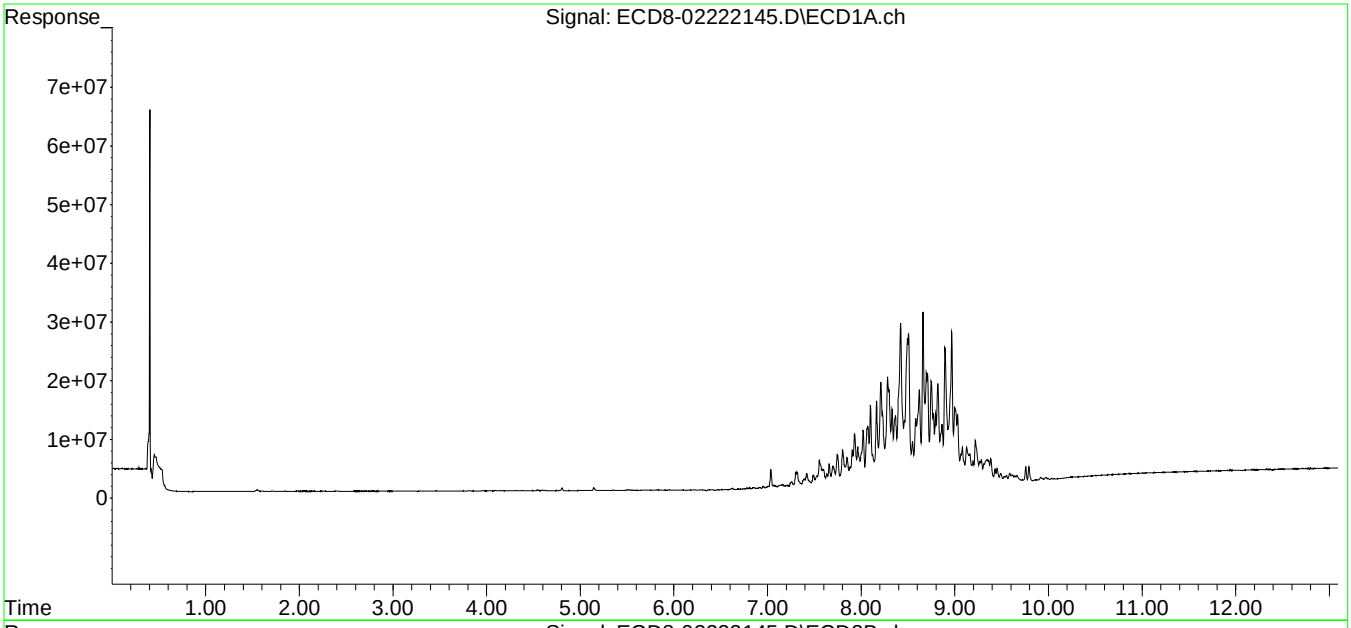
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.281	8.816	18450327	9656451	5.498	2.691	#
31)	Mirex	8.967	9.696f	25907256	5870084	12.889	2.702	#
32)	Chlordane...	7.697f	8.193	3539192	2752512	10.118	6.820	#
33)	Chlordane...	7.802	8.268f	6249517	4795073	17.978	14.213	
34)	Chlordane...	8.366	8.938	11788852	8490946	111.748	76.073	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.802	8.515	6249517	14067960	434.963	443.808	
37)	Toxaphene...	8.099	8.869	13651725	17531989	440.270	454.240	
38)	Toxaphene...	8.420	8.903	27548640	26984580	477.271	467.206	
39)	Toxaphene...	8.660	8.970	29317499	43645592	464.760	476.214	
40)	Toxaphene...	8.895	9.149	23135834	26058919	486.892	474.703	
41)	Toxaphene...	8.967	9.526	25907256	27582343	480.909	480.473	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

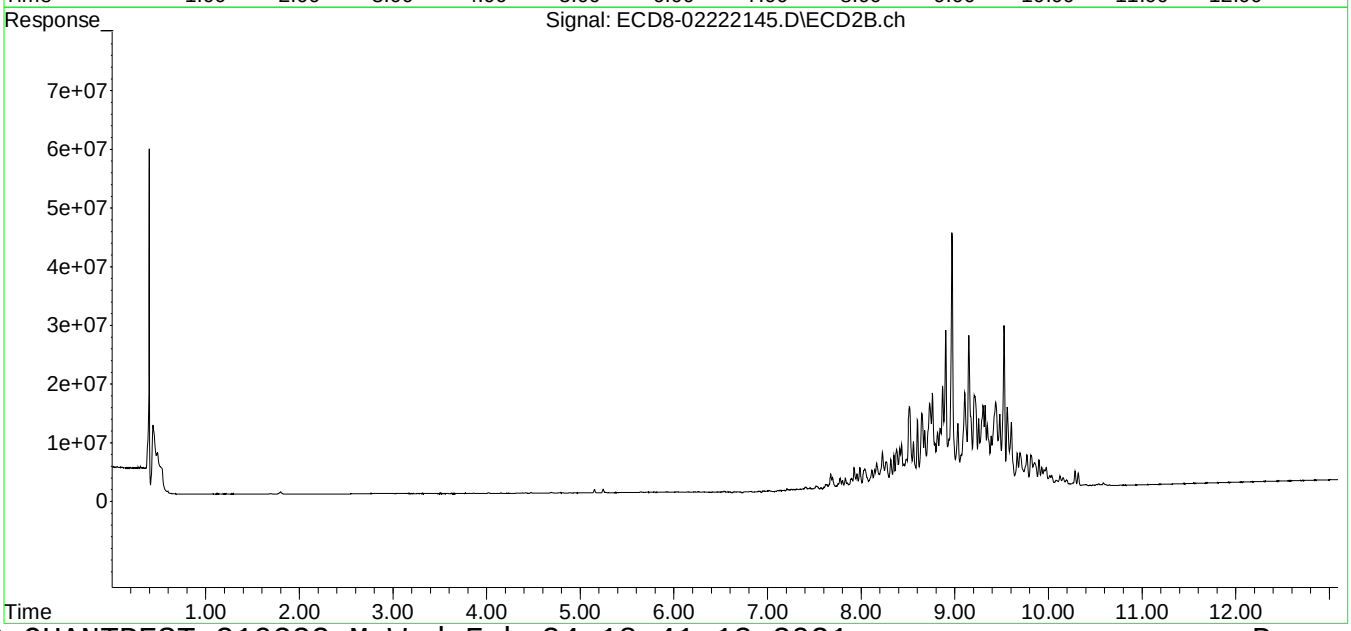
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 6:15
Operator : MJB
Sample : 1B22071-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:40:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:15
Operator : MJB
Sample : 1B22071-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:22:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.055	6570939	6476248	2.049	1.902	
22) S	DCBP (S)	9.909	10.605	4862674	3921756	2.129	2.105	
	Target Compounds							
2)	a-BHC	6.228	6.651	8442991	8025686	1.984	1.771	
3)	g-BHC	6.515	6.967	7260697	7148210	2.000	1.831	
4)	b-BHC	6.600	7.034	3112810	3590924	1.990	2.032	
5)	Heptachlor	6.913	7.341	6812233	6718725	1.987	1.822	
6)	d-BHC	6.753	7.284	6559848	7153543	1.943	1.964	
7)	Aldrin	7.157	7.606	6841306	6503333	1.990	1.849	
8)	Heptachlo...	7.629	8.043	6334810	6156133	2.009	1.860	
9)	trans-Chl...	7.722	8.183	6514292	6467548	2.022	1.919	
10)	cis-Chlor...	7.819	8.291	6429067	6347411	2.040	1.958	
11)	Endosulfa...	7.925	8.341	5927379	5667008	2.044	1.883	
12)	4,4'-DDE	7.869	8.390	6574372	6353008	1.909	1.808	
13)	Dieldrin	8.098	8.541	6386459	6082740	2.013	1.849	
14)	Endrin	8.269	8.766	5184256	4710797	2.004	1.927	
15)	4,4'-DDD	8.302	8.807	5204597	5215526	1.923	1.846	
16)	Endosulfa...	8.432	8.914	5015784	5106823	1.993	1.912	
17)	4,4'-DDT	8.499	9.033	4659787	4402871	1.901	1.849	
18)	Endrin Al...	8.729	9.151	7072015	6805826	2.082	2.447	
19)	Endosulfa...	9.038	9.347	5137902	5262376	2.054	1.972	
20)	Methoxychlor	8.830	9.502	2635891	2619141	2.107	1.991	
21)	Endrin Ke...	9.240	9.742	6080574	5714398	2.041	1.821	
23)	Hexachlor...	3.459	3.782	15762	141038	0.005	0.035	#
24)	Hexachlor...	6.064	6.518	41039	15897	0.013	0.004	#
25)	Oxychlordane	7.545	7.981	51811	91130	0.019	0.031	#
26)	2,4'-DDE	7.629	8.183	6334810	6467548	2.834	2.782	
27)	trans-Non...	7.819	8.246	6429067	136705	2.023	0.041	#
28)	2,4'-DDD	8.015	8.541	43777	6082740	0.023	3.066	#
29)	2,4'-DDT	8.182	8.766	22756	4710797	0.011	2.239	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:15
Operator : MJB
Sample : 1B22071-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:22:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

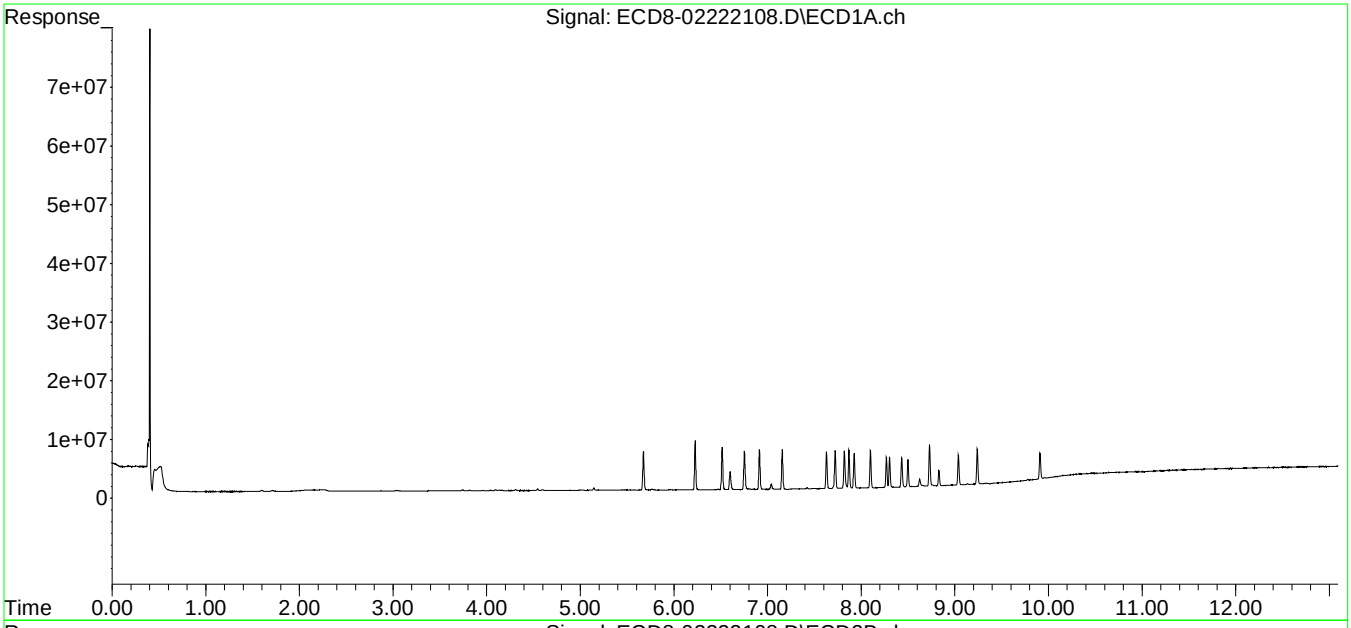
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.302	8.807	5204597	5215526	1.551	1.453	
31)	Mirex	8.960	9.742	53363	5714398	21703.376	2.619	#
32)	Chlordane...	7.722	8.183	6514292	6467548	18.623	16.025	
33)	Chlordane...	7.819	8.291	6429067	6347411	18.494	18.814	
34)	Chlordane...	0.000	8.947	0	1599483	N.D.	4.940	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.819	8.541f	6429067	6082740	447.880	191.895	#
37)	Toxaphene...	8.098	8.863	6386459	74543	201.527	1.931	#
38)	Toxaphene...	8.432	8.914	5015784	5106823	86.897	88.419	
39)	Toxaphene...	8.624f	8.995f	1281786	138386	20.320	BelowCal	#
40)	Toxaphene...	8.886	9.151	42079	6805826	0.886	123.182	#
41)	Toxaphene...	8.970	9.502f	41292	2619141	0.766	45.624	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:15
Operator : MJB
Sample : 1B22071-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:22:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:32
Operator : MJB
Sample : 1B22071-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:23:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	15956650	15775417	4.977	4.634	
22) S	DCBP (S)	9.911	10.606	9937318	8113103	4.653	4.543	
	Target Compounds							
2)	a-BHC	6.228	6.651	21294746	21185744	5.004	4.675	
3)	g-BHC	6.516	6.968	17955161	18168209	4.946	4.653	
4)	b-BHC	6.598	7.033	7300772	8296777	4.668	4.940	
5)	Heptachlor	6.914	7.341	17248899	17480400	5.030	4.740	
6)	d-BHC	6.751	7.283	15951976	18013423	4.725	4.938	
7)	Aldrin	7.157	7.607	17219259	16498521	5.009	4.691	
8)	Heptachlo...	7.630	8.043	15222719	15245553	4.827	4.607	
9)	trans-Chl...	7.722	8.183	15604535	15559475	4.844	4.616	
10)	cis-Chlor...	7.820	8.291	15661447	14797422	4.968	4.564	
11)	Endosulfa...	7.926	8.341	13858786	13716981	4.779	4.558	
12)	4,4'-DDE	7.870	8.391	16143492	16140360	4.688	4.592	
13)	Dieldrin	8.099	8.541	15725240	15123728	4.958	4.598	
14)	Endrin	8.270	8.767	12848627	12074035	4.967	4.913	
15)	4,4'-DDD	8.303	8.807	12971826	12553517	4.793	4.443	
16)	Endosulfa...	8.432	8.915	12281197	12105322	4.880	4.533	
17)	4,4'-DDT	8.500	9.034	11508534	11378648	4.695	4.809	
18)	Endrin Al...	8.730	9.152	11839116	12005526	4.387	4.612	
19)	Endosulfa...	9.039	9.347	11640588	11924025	4.654	4.468	
20)	Methoxychlor	8.832	9.502	6142820	6073400	4.910	4.616	
21)	Endrin Ke...	9.241	9.742	14042881	13246351	4.714	4.625	
23)	Hexachlor...	3.472	3.782	17518	152662	0.005	0.038	#
24)	Hexachlor...	6.064	6.514	32292	28114	0.010	0.008	
25)	Oxychlordane	7.562	7.958	105781	118121	0.038	0.040	
26)	2,4'-DDE	7.630	8.183	15222719	15559475	6.811	6.694	
27)	trans-Non...	7.820	8.247	15661447	141797	4.927	0.042	#
28)	2,4'-DDD	8.015	8.541	79047	15123728	0.042	7.804	#
29)	2,4'-DDT	8.179	8.767	50448	12074035	0.025	5.738	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:32
Operator : MJB
Sample : 1B22071-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:23:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

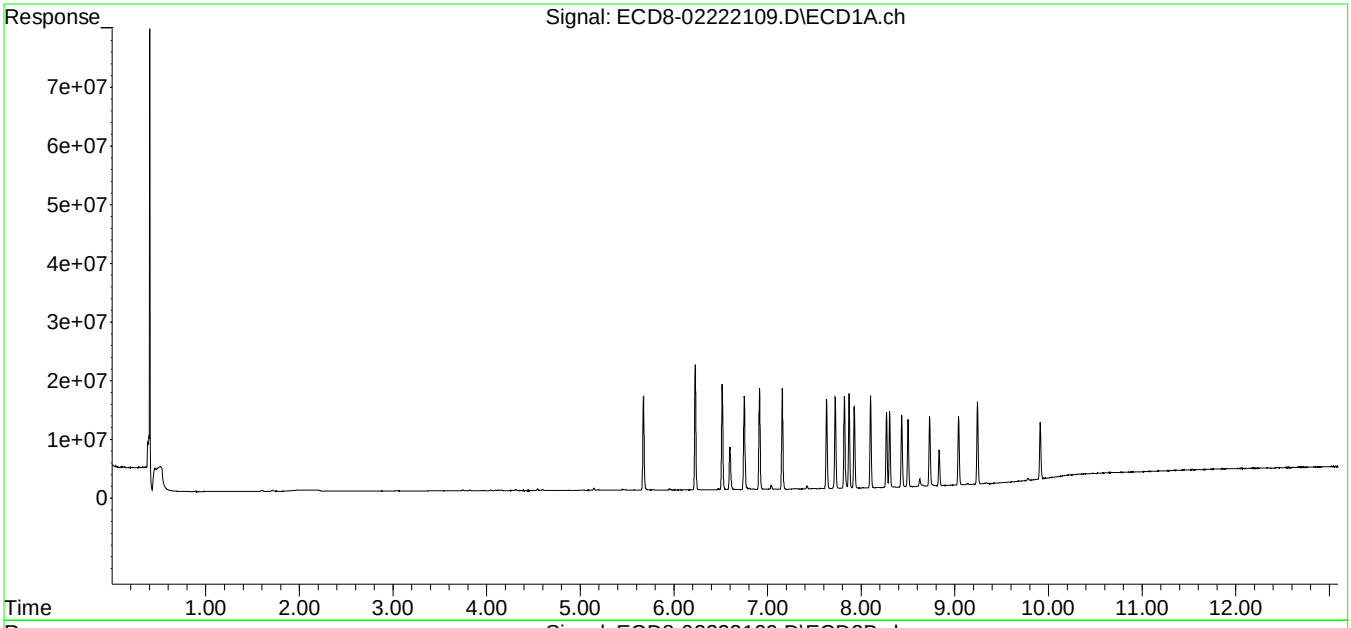
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.303	8.807	12971826	12553517	3.866	3.498	
31)	Mirex	8.968	9.742	37213	13246351	21703.384	6.627	#
32)	Chlordane...	7.722	8.183	15604535	15559475	44.611	38.551	
33)	Chlordane...	7.820	8.291	15661447	14797422	45.053	43.860	
34)	Chlordane...	0.000	8.948	0	1593644	N.D.	4.879	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.820	8.541f	15661447	15123728	1146.943	477.114	#
37)	Toxaphene...	8.099	8.871	15725240	82809	510.295	2.146	#
38)	Toxaphene...	8.432	8.915	12281197	12105322	212.768	209.589	
39)	Toxaphene...	8.653	8.948f	256401	1593644	4.065	14.300	#
40)	Toxaphene...	8.886	9.152	60535	12005526	1.274	219.278	#
41)	Toxaphene...	8.968	9.502f	37213	6073400	0.691	105.796	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

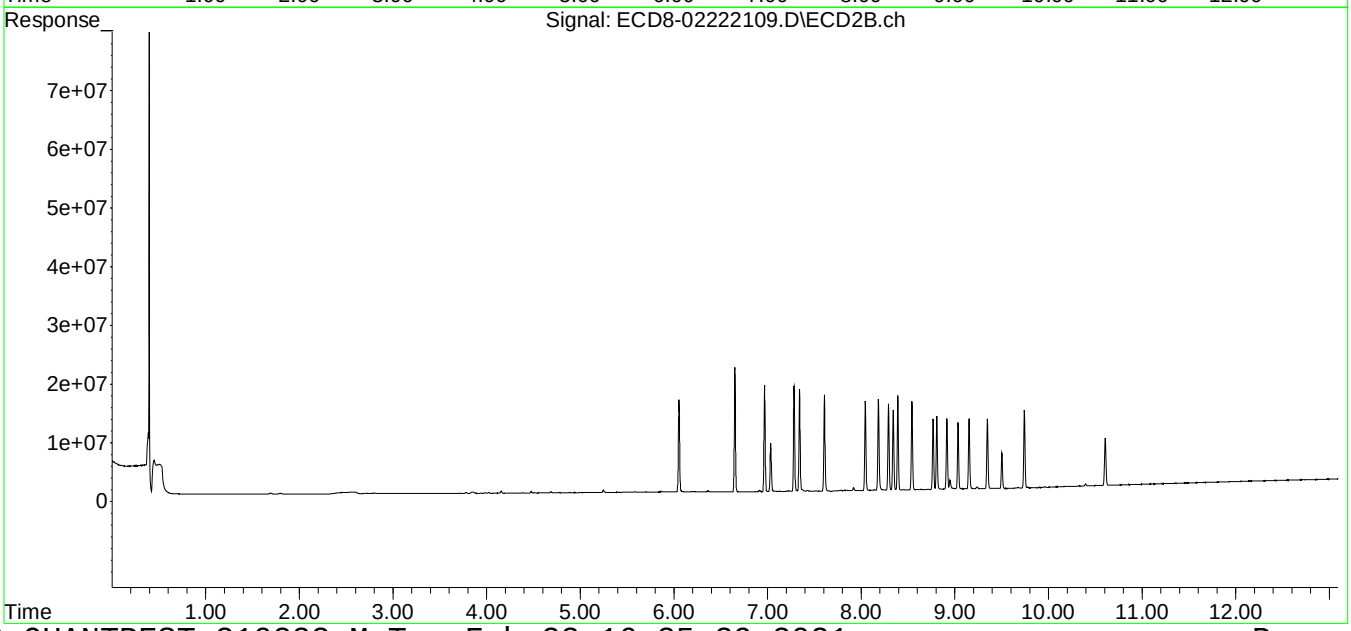
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:32
Operator : MJB
Sample : 1B22071-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:23:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:48
Operator : MJB
Sample : 1B22071-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.055	32046824	32628643	9.995	9.585	
22) S	DCBP (S)	9.909	10.604	20647986	17285054	10.001	9.875	
	Target Compounds							
2)	a-BHC	6.228	6.651	43143303	44456771	10.139	9.810	
3)	g-BHC	6.515	6.967	37343018	38170370	10.287	9.775	
4)	b-BHC	6.595	7.032	14638560	16462393	9.360	9.954	
5)	Heptachlor	6.913	7.341	35009888	35973205	10.209	9.755	
6)	d-BHC	6.748	7.282	32868480	35952679	9.736	9.793	
7)	Aldrin	7.156	7.606	35394818	34372238	10.296	9.773	
8)	Heptachlo...	7.628	8.042	30842913	30888154	9.780	9.334	
9)	trans-Chl...	7.721	8.182	31887397	32355079	9.899	9.598	
10)	cis-Chlor...	7.819	8.290	31586341	30155924	10.020	9.301	
11)	Endosulfa...	7.923	8.341	28705228	28389335	9.899	9.432	
12)	4,4'-DDE	7.868	8.390	34390588	33797259	9.988	9.616	
13)	Dieldrin	8.098	8.540	32579699	31818967	10.271	9.674	
14)	Endrin	8.268	8.766	26998463	25358817	10.436	10.230	
15)	4,4'-DDD	8.302	8.806	26917371	27028607	9.945	9.566	
16)	Endosulfa...	8.431	8.913	25113069	25269317	9.980	9.462	
17)	4,4'-DDT	8.498	9.033	24352811	23928513	9.934	10.058	
18)	Endrin Al...	8.729	9.149	23895451	23767692	10.182	9.497	
19)	Endosulfa...	9.037	9.345	25307369	25574107	10.118	9.583	
20)	Methoxychlor	8.830	9.501	12583336	12528445	10.058	9.522	
21)	Endrin Ke...	9.238	9.742	29315337	28944529	9.841	10.393	
23)	Hexachlor...	3.461	3.781	24066	138829	0.007	0.035	#
24)	Hexachlor...	6.063	6.508	79647	41136	0.024	0.011	#
25)	Oxychlordane	7.561	7.946f	171663	135549	0.062	0.046	#
26)	2,4'-DDE	7.628	8.182	30842913	32355079	13.800	13.919	
27)	trans-Non...	7.819	8.246	31586341	185211	9.938	0.055	#
28)	2,4'-DDD	8.014	8.540	143662	31818967	0.076	16.459	#
29)	2,4'-DDT	8.180	8.766	94768	25358817	0.047	12.051	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:48
Operator : MJB
Sample : 1B22071-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

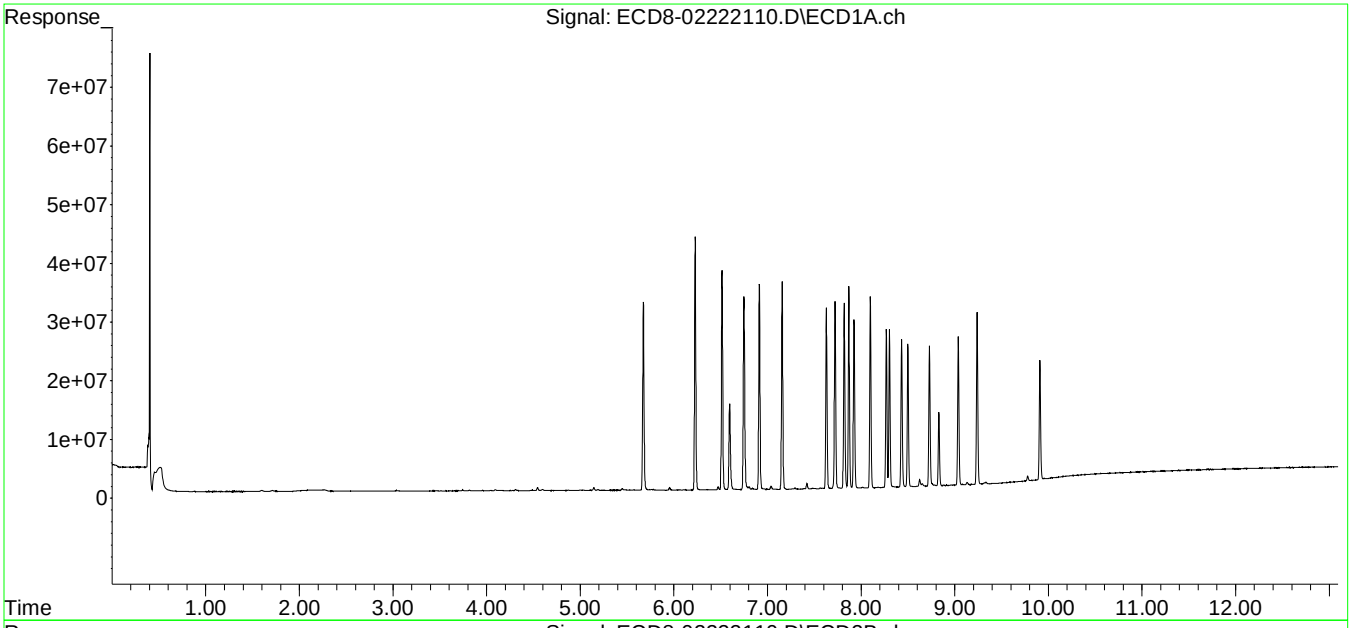
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.302	8.806	26917371	27028607	8.022	7.531	
31)	Mirex	8.962	9.742	76081	28944529	21703.365	14.897	#
32)	Chlordane...	7.721	8.182	31887397	32355079	91.161	80.166	
33)	Chlordane...	7.819	8.290	31586341	30155924	90.864	89.383	
34)	Chlordane...	0.000	8.947	0	1499925	N.D.	3.903	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.819	8.540f	31586341	31818967	2577.434	1003.806	#
37)	Toxaphene...	8.098	8.876	32579699	122641	1116.250	3.178	#
38)	Toxaphene...	8.431	8.913	25113069	25269317	435.076	437.508	
39)	Toxaphene...	8.651	8.981	471063	241986	7.468	BelowCal	#
40)	Toxaphene...	8.885	9.149	115866	23767692	2.438	433.475	#
41)	Toxaphene...	8.962	9.501f	76081	12528445	1.412	218.240	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

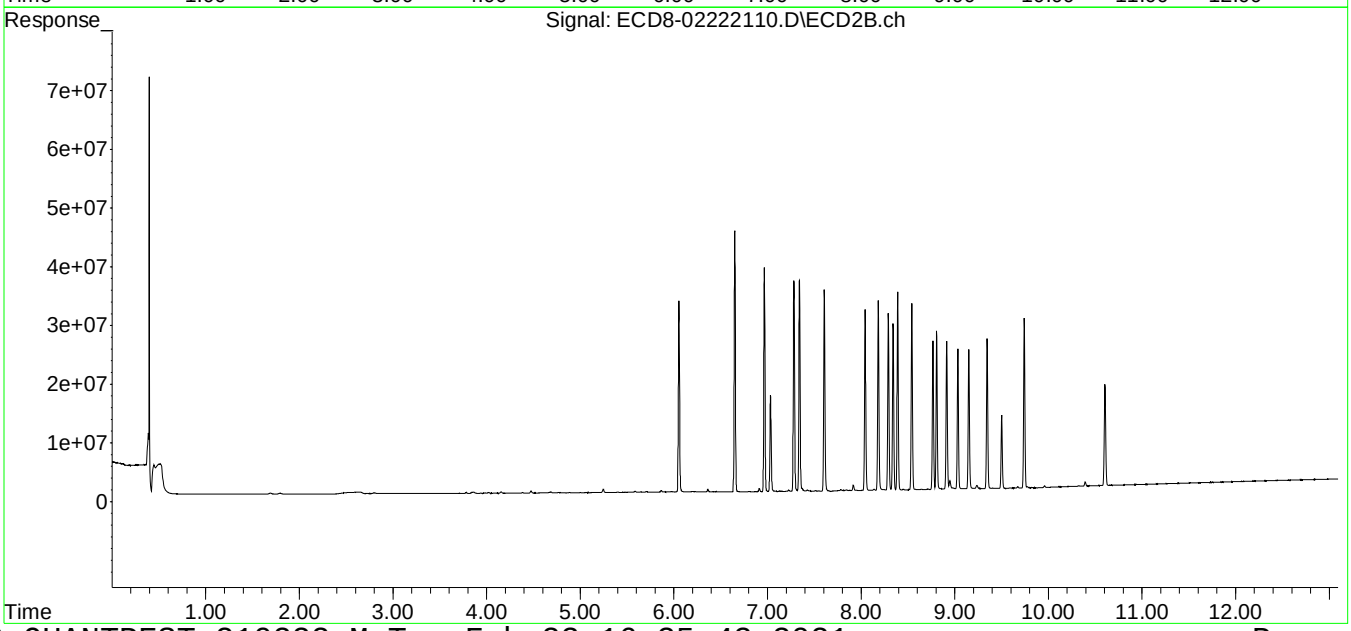
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:48
Operator : MJB
Sample : 1B22071-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:04
Operator : MJB
Sample : 1B22071-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:11 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	79601464	82748070	24.826	24.308	
22) S	DCBP (S)	9.910	10.604	51000883	45609398	25.323	26.306	
	Target Compounds							
2)	a-BHC	6.228	6.652	105.6E6	115.0E6	24.809	25.384	
3)	g-BHC	6.515	6.967	91714097	98036924	25.266	25.105	
4)	b-BHC	6.595	7.032	36694118	41509006	23.462	25.087	
5)	Heptachlor	6.913	7.341	82719992	86180505	24.123	23.370	
6)	d-BHC	6.748	7.281	84216794	96705403	24.947	25.729	
7)	Aldrin	7.156	7.606	88186562	90509030	25.653	25.734	
8)	Heptachlo...	7.628	8.043	74668510	80397137	23.676	24.295	
9)	trans-Chl...	7.721	8.182	79563152	81637426	24.698	24.217	
10)	cis-Chlor...	7.819	8.290	76937788	79679491	24.408	24.575	
11)	Endosulfa...	7.924	8.341	69955426	75495061	24.123	25.084	
12)	4,4'-DDE	7.868	8.390	84634913	88561906	24.580	25.198	
13)	Dieldrin	8.098	8.541	78956370	83779771	24.892	25.471	
14)	Endrin	8.268	8.767	63883003	64065205	24.694	25.255	
15)	4,4'-DDD	8.301	8.807	66911718	70350878	24.722	24.900	
16)	Endosulfa...	8.430	8.913	62928659	67368331	25.007	25.225	
17)	4,4'-DDT	8.498	9.033	61132249	63353142	24.937	25.946	
18)	Endrin Al...	8.729	9.150	57480633	59361559	26.064	24.175	
19)	Endosulfa...	9.038	9.345	61879247	64840847	24.740	24.297	
20)	Methoxychlor	8.830	9.501	31016403	31169875	24.793	23.691	
21)	Endrin Ke...	9.239	9.741	73664687	75563273	24.730	26.959	
23)	Hexachlor...	3.463	3.781	24893	131924	0.007	0.033	#
24)	Hexachlor...	6.063	6.514	166326	10208	0.051	0.003	#
25)	Oxychlordane	7.561	7.961	369007	107597	0.134	0.037	#
26)	2,4'-DDE	7.628	8.182	74668510	81637426	33.410	35.121	
27)	trans-Non...	7.819	8.247	76937788	274482	24.207	0.082	#
28)	2,4'-DDD	8.014	8.541	490626	83779771	0.259	42.672	#
29)	2,4'-DDT	8.178	8.767	212794	64065205	0.106	30.446	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:04
Operator : MJB
Sample : 1B22071-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:11 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

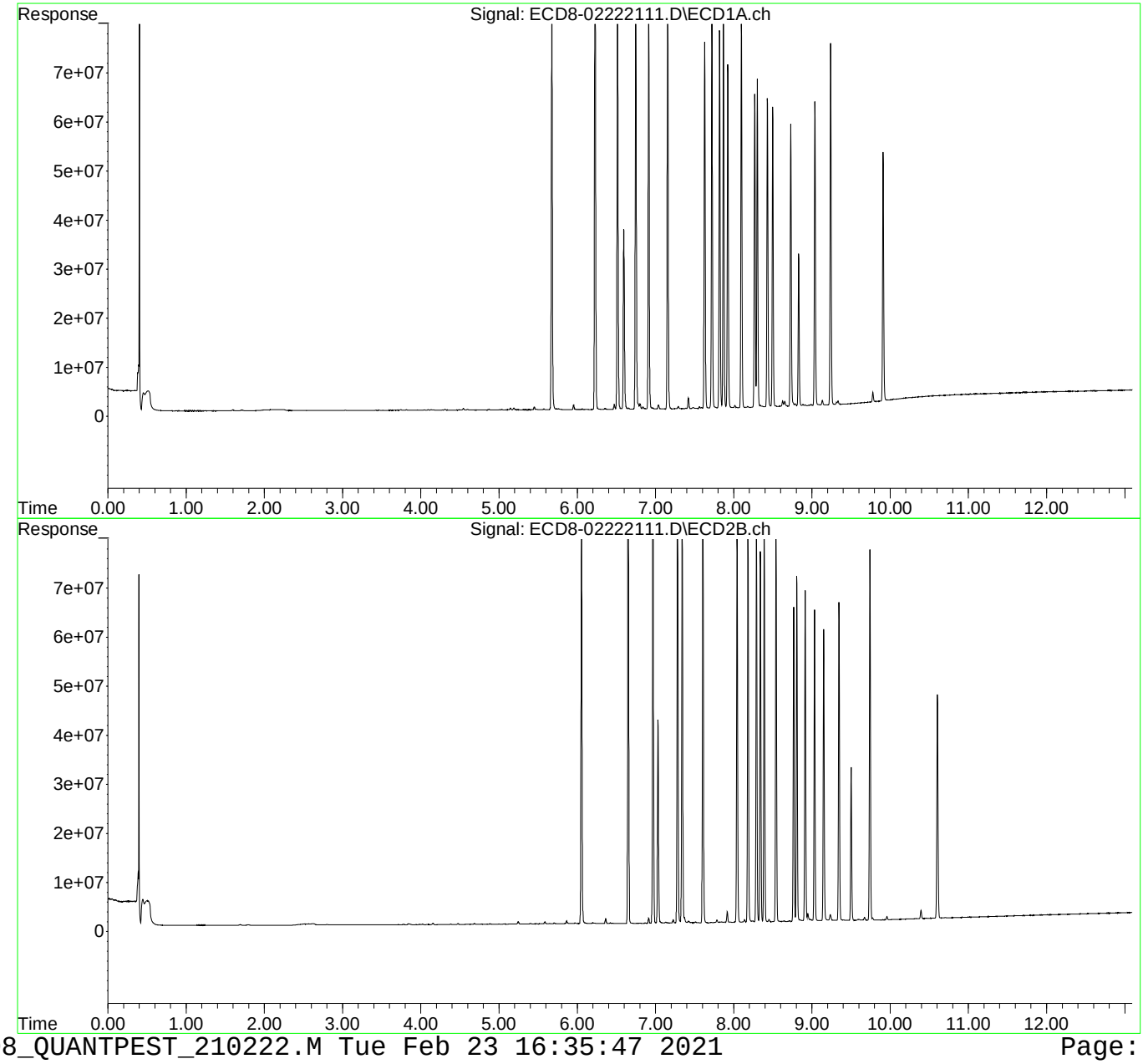
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.301	8.807	66911718	70350878	19.940	19.602	
31)	Mirex	8.963	9.741	95583	75563273	21703.355	38.844	#
32)	Chlordane...	7.721	8.182	79563152	81637426	227.459	202.272	
33)	Chlordane...	7.819	8.290	76937788	79679491	221.327	236.173	
34)	Chlordane...	8.362	8.947	185485	1513915	1.758	4.049	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.819	8.500	76937788	59630	BelowCal	1.881	
37)	Toxaphene...	8.098	0.000	78956370	0	3427.913	N.D.	#
38)	Toxaphene...	8.430	8.913	62928659	67368331	1090.219	1166.403	
39)	Toxaphene...	8.652	8.981	1018605	337649	16.148	BelowCal	#
40)	Toxaphene...	8.885	9.150	290721	59361559	6.118	1057.021	#
41)	Toxaphene...	8.963	9.501f	95583	31169875	1.774	542.966	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:04
Operator : MJB
Sample : 1B22071-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:11 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:20
Operator : MJB
Sample : 1B22071-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.055	153.4E6	168.1E6	47.850	49.370	
22) S	DCBP (S)	9.909	10.605	94459682	85774479	47.707	49.520	
	Target Compounds							
2)	a-BHC	6.228	6.651	207.4E6	238.2E6	48.750	52.562	
3)	g-BHC	6.515	6.967	182.6E6	199.3E6	50.303	51.036	
4)	b-BHC	6.593	7.031	76306231	84844717	48.789	50.452	
5)	Heptachlor	6.913	7.341	168.7E6	187.3E6	49.184	50.803	
6)	d-BHC	6.746	7.281	176.9E6	202.8E6	52.416	51.932	
7)	Aldrin	7.156	7.606	175.8E6	183.7E6	51.135	52.231	
8)	Heptachlo...	7.627	8.041	152.1E6	163.7E6	48.213	49.467	
9)	trans-Chl...	7.720	8.181	155.9E6	169.4E6	48.403	50.256	
10)	cis-Chlor...	7.817	8.289	148.5E6	157.1E6	47.103	48.463	
11)	Endosulfa...	7.922	8.340	139.4E6	150.6E6	48.080	50.047	
12)	4,4'-DDE	7.867	8.389	168.1E6	180.1E6	48.830	51.232	
13)	Dieldrin	8.096	8.540	156.4E6	171.0E6	49.314	51.996	
14)	Endrin	8.268	8.765	132.7E6	136.7E6	51.308	51.810	
15)	4,4'-DDD	8.300	8.805	132.8E6	148.6E6	49.052	52.584	
16)	Endosulfa...	8.429	8.912	127.3E6	134.5E6	50.603	50.351	
17)	4,4'-DDT	8.497	9.031	126.4E6	134.2E6	51.558	52.565	
18)	Endrin Al...	8.727	9.148	111.0E6	118.2E6	50.630	48.118	
19)	Endosulfa...	9.035	9.344	122.6E6	134.5E6	49.035	50.401	
20)	Methoxychlor	8.828	9.500	62642760	66364315	50.073	50.440	
21)	Endrin Ke...	9.237	9.741	143.0E6	151.1E6	47.990	52.245	
23)	Hexachlor...	3.467	3.782	21256	148361	0.006	0.037	#
24)	Hexachlor...	6.064	6.513	312831	18459	0.096	0.005	#
25)	Oxychlordane	7.560	7.959	734975	144881	0.267	0.049	#
26)	2,4'-DDE	7.627	8.181	152.1E6	169.4E6	68.034	72.885	
27)	trans-Non...	7.817	8.246	148.5E6	454999	46.714	0.135	#
28)	2,4'-DDD	8.012	8.540	682925	171.0E6	0.360	84.486	#
29)	2,4'-DDT	8.176	8.765	455648	136.7E6	0.226	64.969	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:20
Operator : MJB
Sample : 1B22071-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

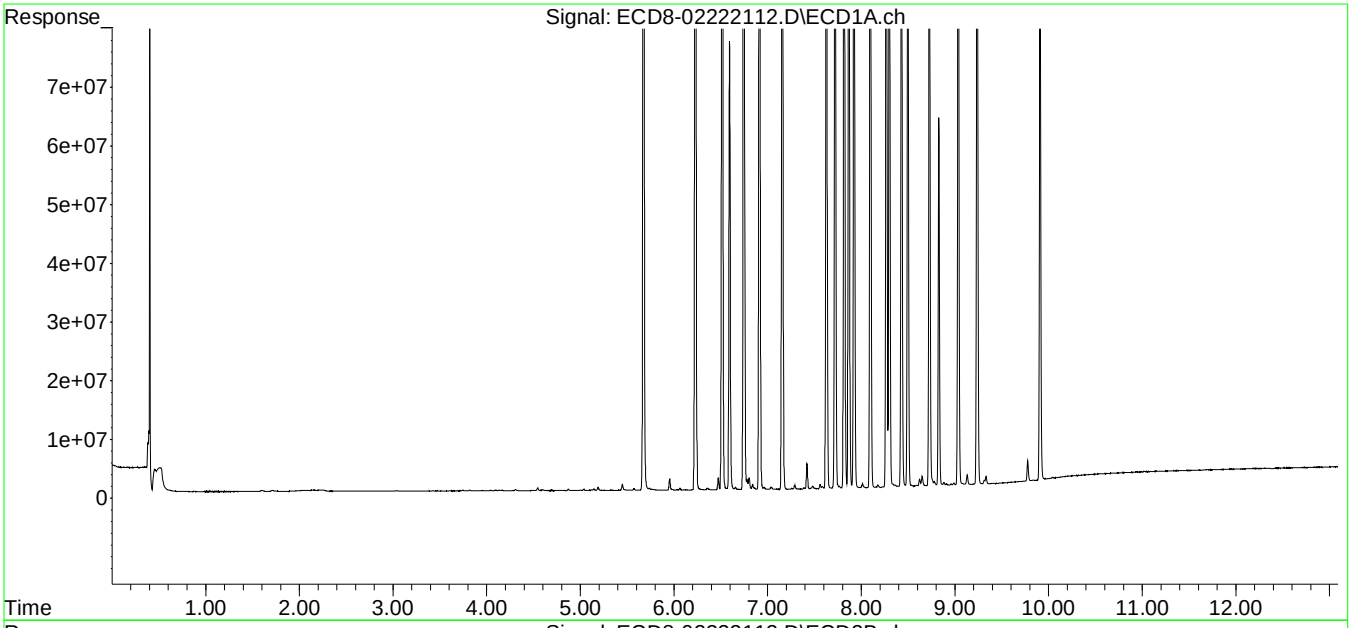
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.300	8.805	132.8E6	148.6E6	39.564	41.395	
31)	Mirex	8.961	9.741	160897	151.1E6	21703.322	75.895	#
32)	Chlordane...	7.720	8.181	155.9E6	169.4E6	445.772	419.766	
33)	Chlordane...	7.817	8.289	148.5E6	157.1E6	427.120	465.737	
34)	Chlordane...	8.360f	8.945	337878	1740858	3.203	6.411	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.817	8.540f	148.5E6	171.0E6	BelowCal	5395.382	
37)	Toxaphene...	8.096	8.849f	156.4E6	469801	BelowCal	12.172	
38)	Toxaphene...	8.429	8.912	127.3E6	134.5E6	2206.076	2328.211	
39)	Toxaphene...	8.649	8.979	1635824	589055	25.932	2.862	#
40)	Toxaphene...	8.910	9.148	261624	118.2E6	5.506	2018.961	#
41)	Toxaphene...	8.961	9.500f	160897	66364315	2.987	1156.038	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:20
Operator : MJB
Sample : 1B22071-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:37
Operator : MJB
Sample : 1B22071-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	315.8E6	358.1E6	98.483	105.205	
22) S	DCBP (S)	9.913	10.608	199.2E6	181.9E6	104.013	104.673	
	Target Compounds							
2)	a-BHC	6.228	6.651	437.9E6	508.7E6	102.900	112.263	
3)	g-BHC	6.515	6.968	381.3E6	433.4E6	105.048	110.984	
4)	b-BHC	6.594	7.031	156.4E6	180.6E6	100.027	103.286	
5)	Heptachlor	6.914	7.341	354.0E6	409.3E6	103.227	111.003	
6)	d-BHC	6.747	7.281	372.4E6	436.1E6	110.304	103.902	
7)	Aldrin	7.157	7.606	354.2E6	391.1E6	103.019	111.206	
8)	Heptachlo...	7.629	8.043	313.0E6	357.7E6	99.235	108.097	
9)	trans-Chl...	7.721	8.183	326.1E6	357.5E6	101.220	106.049	
10)	cis-Chlor...	7.819	8.291	309.8E6	341.6E6	98.284	105.362	
11)	Endosulfa...	7.925	8.341	289.1E6	319.9E6	99.680	106.301	
12)	4,4'-DDE	7.869	8.390	338.2E6	384.6E6	98.219	109.431	
13)	Dieldrin	8.099	8.541	316.4E6	359.7E6	99.743	109.369	
14)	Endrin	8.270	8.767	274.9E6	304.5E6	106.274	106.850	
15)	4,4'-DDD	8.302	8.807	270.3E6	306.3E6	99.854	108.414	
16)	Endosulfa...	8.431	8.914	256.4E6	291.5E6	101.898	109.153	
17)	4,4'-DDT	8.499	9.034	270.6E6	301.9E6	110.377	108.168	
18)	Endrin Al...	8.730	9.151	229.6E6	251.2E6	102.260	100.780	
19)	Endosulfa...	9.039	9.347	250.7E6	286.0E6	100.219	107.160	
20)	Methoxychlor	8.831	9.502	126.8E6	146.2E6	101.323	111.101	
21)	Endrin Ke...	9.241	9.743	297.0E6	324.8E6	99.708	104.740	
23)	Hexachlor...	3.429f	3.781	24891	150218	0.007	0.037	#
24)	Hexachlor...	6.063	6.517	584065	21750	0.179	0.006	#
25)	Oxychlordane	7.561	7.961	1393297	174651	0.505	0.059	#
26)	2,4'-DDE	7.629	8.183	313.0E6	357.5E6	140.033	153.802	
27)	trans-Non...	7.819	8.247	309.8E6	765991	97.473	0.228	#
28)	2,4'-DDD	8.014	8.541	1267416	359.7E6	0.669	167.345	#
29)	2,4'-DDT	8.179	8.767	878742	304.5E6	0.436	144.711	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:37
Operator : MJB
Sample : 1B22071-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

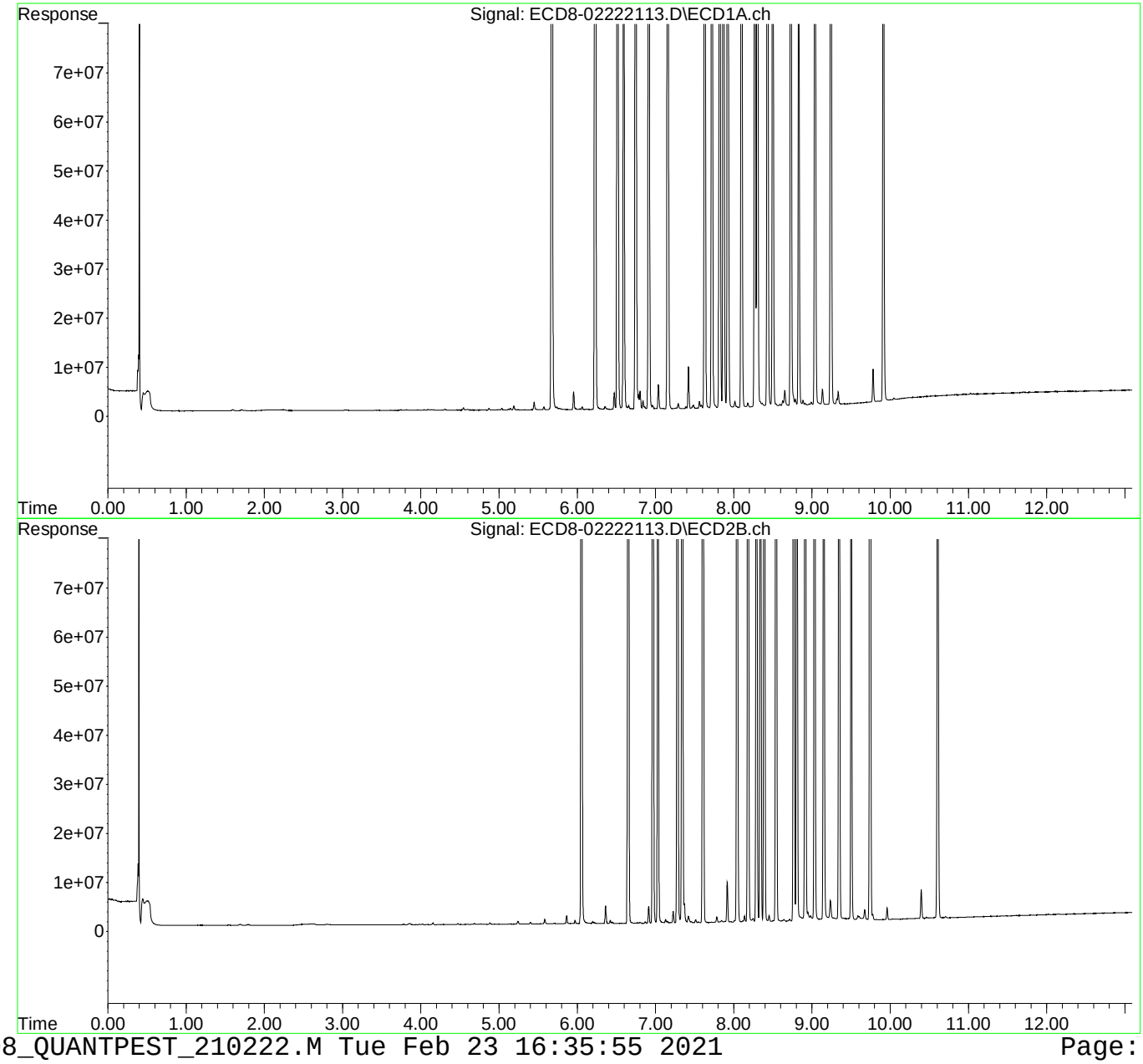
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.302	8.807	270.3E6	306.3E6	80.539	85.345	
31)	Mirex	8.964	9.743	268138	324.8E6	21703.268	154.386	#
32)	Chlordane...	7.721	8.183	326.1E6	357.5E6	932.195	885.786	
33)	Chlordane...	7.819	8.291	309.8E6	341.6E6	891.224	1012.554	
34)	Chlordane...	8.362	8.947	705507	1853174	6.688	7.579	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.819	8.541f	309.8E6	359.7E6	BelowCal	11348.744	
37)	Toxaphene...	8.099	0.000	316.4E6	0	BelowCal	N.D.	
38)	Toxaphene...	8.431	8.914	256.4E6	291.5E6	4442.349	5047.212	
39)	Toxaphene...	8.652	8.981	3127615	1085643	49.581	8.519	#
40)	Toxaphene...	8.885	9.151	1021011	251.2E6	21.487	3954.585	#
41)	Toxaphene...	8.964	9.502f	268138	146.2E6	4.977	2546.334	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:37
Operator : MJB
Sample : 1B22071-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:36 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:53
Operator : MJB
Sample : 1B22071-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:46 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.055	632.9E6	767.1E6	197.387	225.346	
22) S	DCBP (S)	9.912	10.607	359.3E6	341.6E6	198.071	195.086	
	Target Compounds							
2)	a-BHC	6.228	6.652	885.2E6	1056.4E6	208.026	233.103	
3)	g-BHC	6.515	6.968	756.8E6	894.4E6	208.482	229.033	
4)	b-BHC	6.593	7.031	311.5E6	367.9E6	199.146	196.756	
5)	Heptachlor	6.914	7.342	702.3E6	842.8E6	204.804	228.554	
6)	d-BHC	6.746	7.282	744.8E6	919.3E6	220.615	195.175	
7)	Aldrin	7.157	7.606	700.5E6	819.9E6	203.766	233.124	
8)	Heptachlo...	7.628	8.043	613.7E6	718.6E6	194.603	217.147	
9)	trans-Chl...	7.720	8.183	644.6E6	750.7E6	200.094	222.684	
10)	cis-Chlor...	7.819	8.291	619.4E6	712.2E6	196.511	219.652	
11)	Endosulfa...	7.924	8.342	574.7E6	650.2E6	198.177	216.045	
12)	4,4'-DDE	7.868	8.391	659.5E6	764.0E6	191.529	217.379	
13)	Dieldrin	8.098	8.541	608.1E6	728.7E6	191.722	221.550	
14)	Endrin	8.269	8.767	515.2E6	613.5E6	199.132	192.931	
15)	4,4'-DDD	8.301	8.807	544.4E6	624.8E6	201.158	221.149	
16)	Endosulfa...	8.431	8.914	510.5E6	604.4E6	202.866	226.308	
17)	4,4'-DDT	8.498	9.034	522.8E6	601.6E6	213.252	191.260	
18)	Endrin Al...	8.729	9.151	468.7E6	520.6E6	196.897	202.113	
19)	Endosulfa...	9.038	9.347	490.2E6	574.9E6	195.973	215.441	
20)	Methoxychlor	8.830	9.503	253.5E6	286.2E6	202.658	217.488	
21)	Endrin Ke...	9.240	9.744	581.8E6	669.7E6	195.309	193.325	
23)	Hexachlor...	3.466	3.762	31753	30188	0.009	0.008	
24)	Hexachlor...	6.063	6.516	1089421	46552	0.334	0.013	#
25)	Oxychlordane	7.559	7.960	2670304	272034	0.968	0.093	#
26)	2,4'-DDE	7.628	8.183	613.7E6	750.7E6	274.608	322.956	
27)	trans-Non...	7.819	8.247	619.4E6	1402597	194.890	0.417	#
28)	2,4'-DDD	8.013	8.541	2552835	728.7E6	1.347	308.168	#
29)	2,4'-DDT	8.177	8.767	1643863	613.5E6	0.815	291.563	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:53
Operator : MJB
Sample : 1B22071-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:46 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

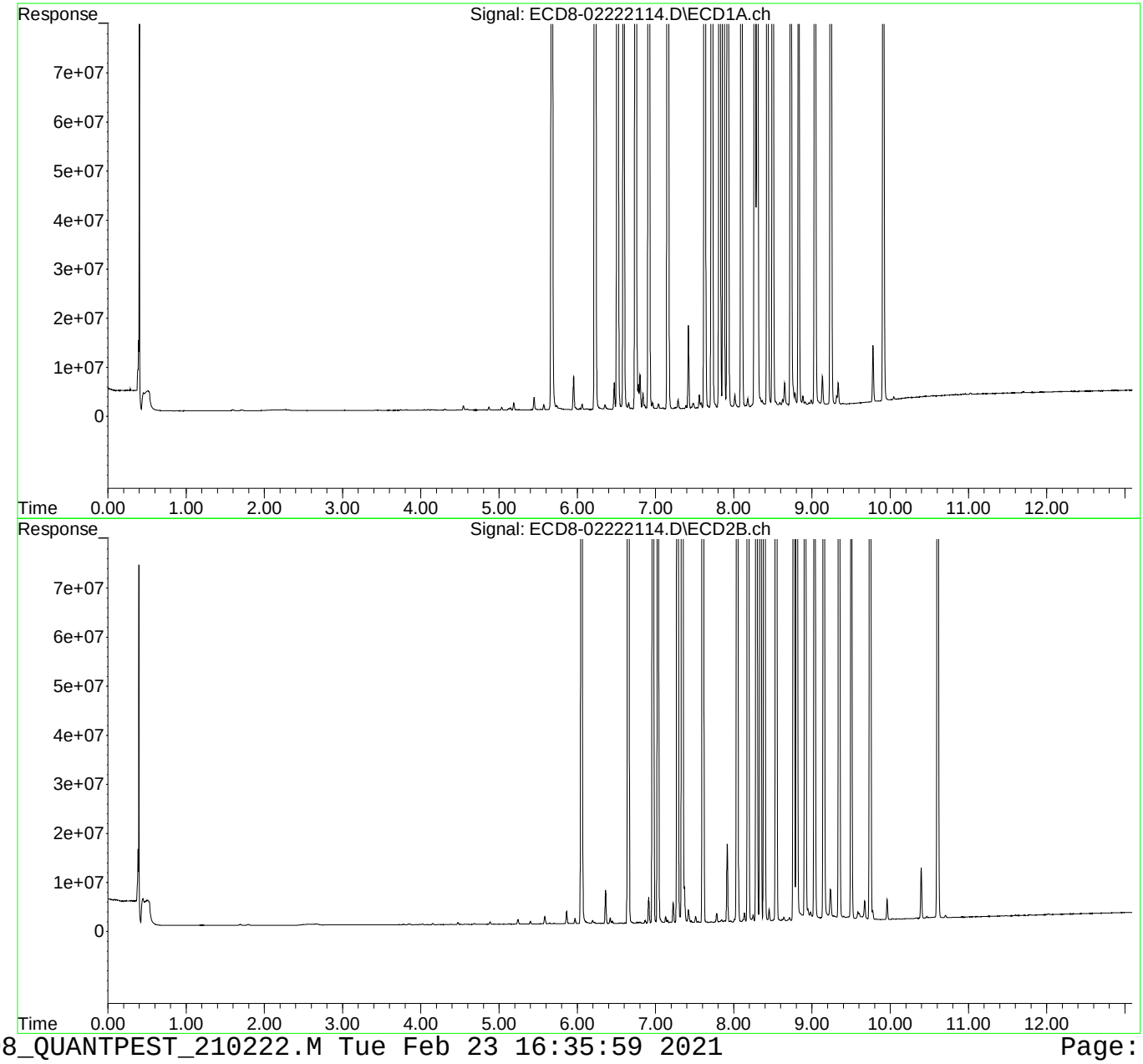
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.301	8.807	544.4E6	624.8E6	162.246	174.093	
31)	Mirex	8.962	9.744	474372	669.7E6	0.061	290.328	#
32)	Chlordane...	7.720	8.183	644.6E6	750.7E6	1842.777	1859.991	
33)	Chlordane...	7.819	8.291	619.4E6	712.2E6	1781.935	2110.911	
34)	Chlordane...	8.362	8.946	1247273	2480209	11.823	14.095	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.819	8.541f	619.4E6	728.7E6	BelowCal	22989.325	
37)	Toxaphene...	8.098	0.000	608.1E6	0	BelowCal	N.D.	
38)	Toxaphene...	8.431	8.914	510.5E6	604.4E6	8844.185	10464.439	
39)	Toxaphene...	8.650	8.981	4658292	1819176	73.846	16.865	#
40)	Toxaphene...	8.883	9.151	1878097	520.6E6	39.524	7232.156	#
41)	Toxaphene...	8.962	9.503f	474372	286.2E6	8.806	4984.613	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:53
Operator : MJB
Sample : 1B22071-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:24:46 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:57
Operator : MJB
Sample : 1B22071-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:22 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.674	6.054	163914	201532	0.051	0.059	
22)	S DCBP (S)	9.914	10.609	417197	205953	1931.131	BelowCal	#
	Target Compounds							
2)	a-BHC	6.228	6.651	493609	481440	0.116	0.106	
3)	g-BHC	6.515	6.967	477550	472564	0.132	0.121	
4)	b-BHC	6.608	7.038	280660	330179	0.179	0.009	#
5)	Heptachlor	6.914	7.342	458833	514547	0.134	0.140	
6)	d-BHC	6.759	7.286	518821	609518	0.154	0.159	
7)	Aldrin	7.157	7.606	415097	441066	0.121	0.125	
8)	Heptachlo...	7.619	8.044	2600936	524525	0.825	0.159	#
9)	trans-Chl...	7.724	8.168	552223	2527723	0.171	0.750	#
10)	cis-Chlor...	7.807	8.292	3695838	582593	1.172	0.180	#
11)	Endosulfa...	7.926	8.342	432223	450496	0.149	0.150	
12)	4,4'-DDE	7.871	8.392	538791	448162	0.156	0.128	
13)	Dieldrin	8.100	8.543	443434	2566323	0.140	0.780	#
14)	Endrin	8.289f	8.766	3845722	2378708	1.487	0.976	#
15)	4,4'-DDD	8.289	8.813	3845722	3967974	1.421	1.404	
16)	Endosulfa...	8.435	8.916	412514	465594	0.164	0.174	
17)	4,4'-DDT	8.502	9.035	302244	350706	0.123	0.114	
18)	Endrin Al...	8.733	9.153	676958	725788	BelowCal	BelowCal	
19)	Endosulfa...	9.041	9.348	476405	548509	0.190	0.206	
20)	Methoxychlor	8.834	9.503	185670	212691	0.148	0.162	
21)	Endrin Ke...	9.243	9.734	480814	2872803	0.161	0.757	#
23)	Hexachlor...	3.463	3.771	3849131	4234435	1.107	1.056	
24)	Hexachlor...	6.063	6.519	3773640	4089957	1.157	1.139	
25)	Oxychlordane	7.552	7.974	3178037	3292723	1.153	1.120	
26)	2,4'-DDE	7.619	8.168	2600936	2527723	1.164	1.087	
27)	trans-Non...	7.807	8.250	3695838	3710614	1.163	1.103	
28)	2,4'-DDD	8.001	8.543	2270647	2566323	1.198	1.214	
29)	2,4'-DDT	8.181	8.766	2238924	2378708	1.110	1.130	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:57
Operator : MJB
Sample : 1B22071-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:22 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

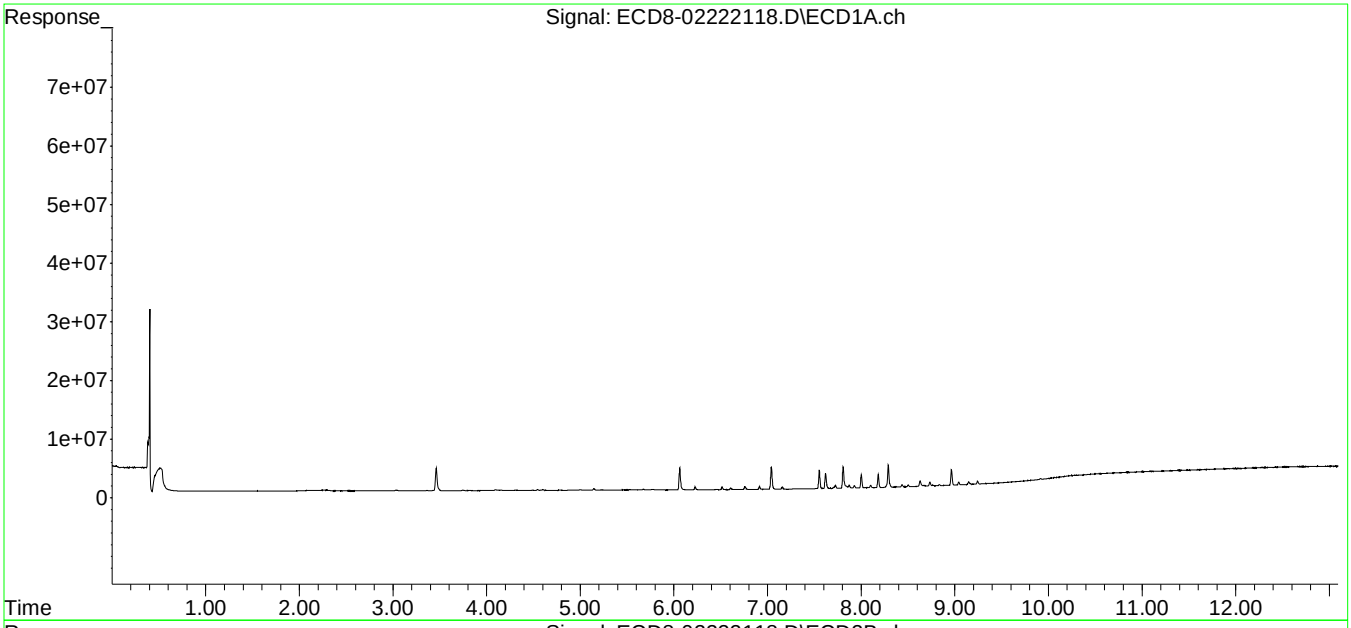
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.289	8.813	3845722	3967974	1.146	1.106	
31)	Mirex	8.963	9.734	2639289	2872803	1.153	1.101	
32)	Chlordane...	7.724	8.197	552223	504785	1.579	1.251	
33)	Chlordane...	7.807	8.292	3695838	582593	10.632	1.727	#
34)	Chlordane...	8.385	8.950	13666	1205260	0.130	0.835	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.807	8.514	3695838	55558	253.716	1.753	#
37)	Toxaphene...	8.100	8.889	443434	54839	13.255	1.421	#
38)	Toxaphene...	8.435	8.916	412514	465594	7.147	8.061	
39)	Toxaphene...	8.670	8.950f	131088	1205260	2.078	9.880	#
40)	Toxaphene...	8.881	9.153	7919	725788	0.167	9.676	#
41)	Toxaphene...	8.963	9.503f	2639289	212691	48.992	3.705	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

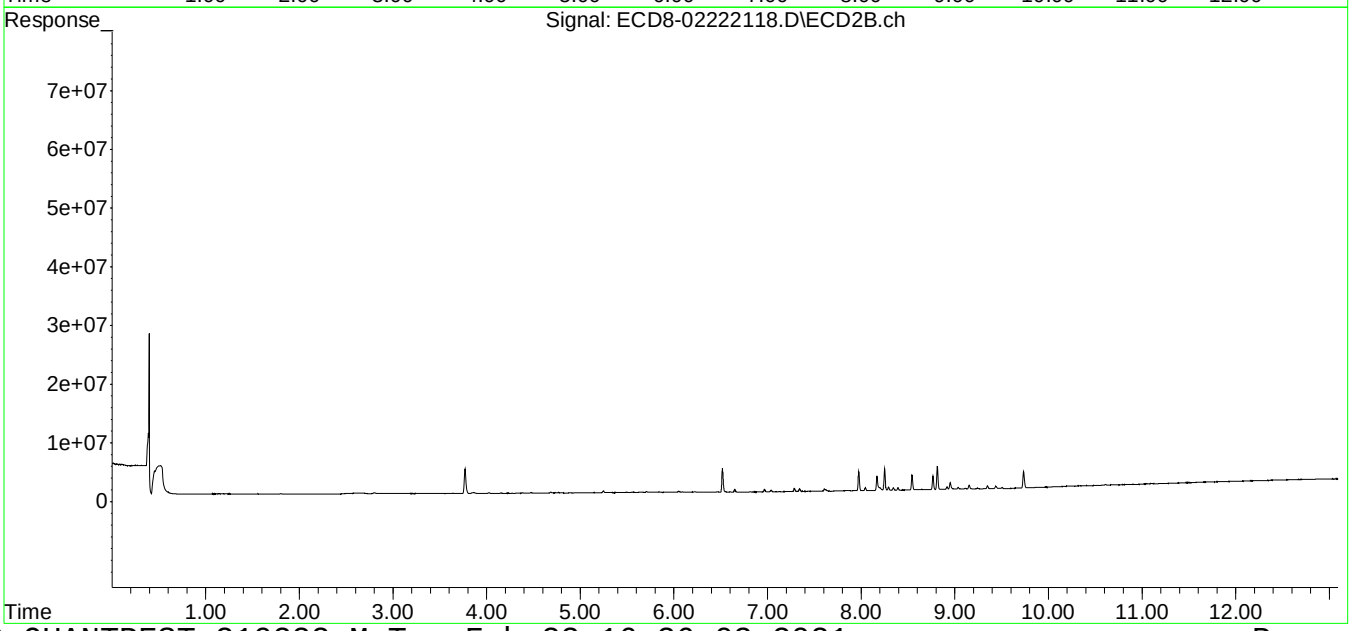
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:57
Operator : MJB
Sample : 1B22071-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:22 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:14
Operator : MJB
Sample : 1B22071-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:39 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.678	6.050	15293	78055	0.005	0.023	#
22) S	DCBP (S)	0.000	10.606	0	61933	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.228	6.651	38584	48297	0.009	0.011	
3)	g-BHC	6.514	6.967	36982	40015	0.010	0.010	
4)	b-BHC	6.611	7.040	39500	46317	0.025	BelowCal	#
5)	Heptachlor	6.913	7.342	89139	105496	0.026	0.029	
6)	d-BHC	6.761	7.285	71675	94749	0.021	0.016	
7)	Aldrin	7.158	7.624	69359	359885	0.020	0.102	#
8)	Heptachlo...	7.619	8.045	4402205	122784	1.396	0.037	#
9)	trans-Chl...	7.706	8.168	208466	4399052	0.065	1.305	#
10)	cis-Chlor...	7.807	8.291	6120372	193476	1.942	0.060	#
11)	Endosulfa...	7.926	8.341	79797	114393	0.028	0.038	#
12)	4,4'-DDE	7.871	8.391	185941	121305	0.054	0.035	#
13)	Dieldrin	8.100	8.542	79153	3880927	0.025	1.180	#
14)	Endrin	8.288f	8.765	6425104	3803369	2.484	1.557	#
15)	4,4'-DDD	8.288	8.813	6425104	6554264	2.374	2.320	
16)	Endosulfa...	8.435	8.916	83681	158943	0.033	0.060	#
17)	4,4'-DDT	8.503	9.035	70366	140213	0.029	0.023	
18)	Endrin Al...	8.732	9.152	249959	305137	BelowCal	BelowCal	
19)	Endosulfa...	9.041	9.349	133922	208357	0.054	0.078	#
20)	Methoxychlor	8.833	9.503	56519	73122	0.045	0.056	
21)	Endrin Ke...	9.242	9.732	127076	4436254	0.043	1.343	#
23)	Hexachlor...	3.463	3.770	6957604	7585003	2.001	1.892	
24)	Hexachlor...	6.063	6.519	6425966	6651598	1.971	1.852	
25)	Oxychlordane	7.553	7.975	5309909	5464605	1.926	1.859	
26)	2,4'-DDE	7.619	8.168	4402205	4399052	1.970	1.893	
27)	trans-Non...	7.807	8.251	6120372	6195556	1.926	1.842	
28)	2,4'-DDD	8.001	8.542	3684063	3880927	1.944	1.907	
29)	2,4'-DDT	8.181	8.765	3860272	3803369	1.914	1.807	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:14
Operator : MJB
Sample : 1B22071-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:39 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

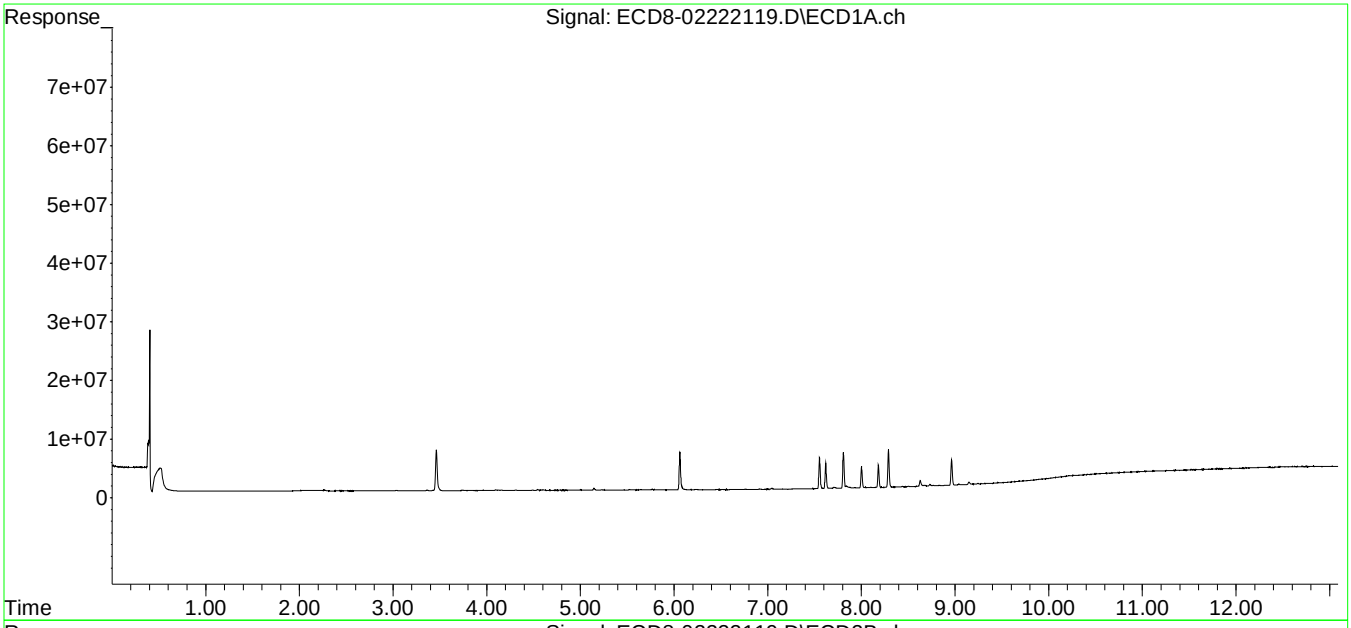
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.813	6425104	6554264	1.915	1.826	
31)	Mirex	8.962	9.732	4332283	4436254	2.006	1.937	
32)	Chlordane...	7.706	8.168	208466	4399052	0.596	10.899	#
33)	Chlordane...	7.807	8.291	6120372	193476	17.606	0.573	#
34)	Chlordane...	8.388	8.950	11507	1255270	0.109	1.356	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.807	8.512	6120372	66104	425.687	2.085	#
37)	Toxaphene...	8.100	8.870	79153	61407	1.905	1.591	
38)	Toxaphene...	8.435	8.916	83681	158943	1.450	2.752	#
39)	Toxaphene...	8.669	8.950f	164390	1255270	2.606	10.450	#
40)	Toxaphene...	0.000	9.152	0	305137	N.D.	1.777	#
41)	Toxaphene...	8.962	9.503f	4332283	73122	80.419	1.274	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

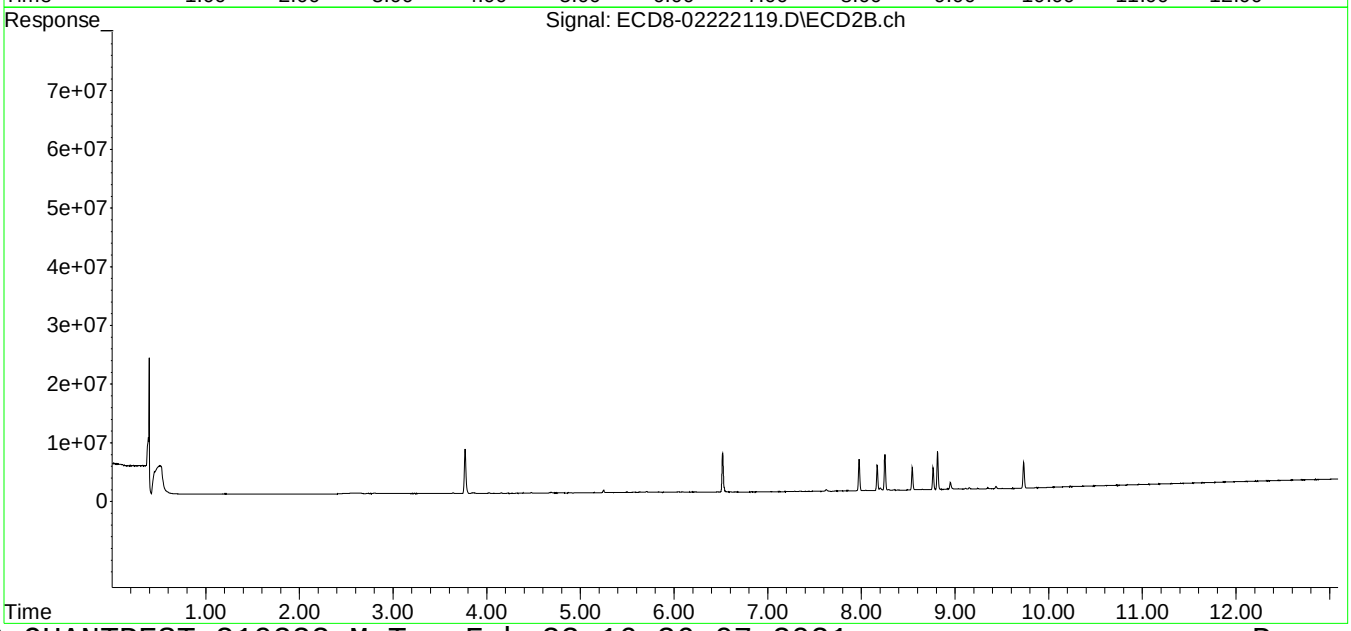
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:14
Operator : MJB
Sample : 1B22071-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:39 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:30
Operator : MJB
Sample : 1B22071-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.646f	6.055	156466	100853	0.049	0.030	#
22) S	DCBP (S)	0.000	10.607	0	63583	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.227	6.651	71137	100487	0.017	0.022	#
3)	g-BHC	6.517	6.967	64259	93532	0.018	0.024	#
4)	b-BHC	6.602	7.037	79131	99019	0.051	BelowCal	#
5)	Heptachlor	6.913	7.342	126041	158968	0.037	0.043	
6)	d-BHC	6.753	7.285	87998	131876	0.026	0.026	
7)	Aldrin	7.157	7.623	57996	331523	0.017	0.094	#
8)	Heptachlo...	7.616	8.042	11843817	102374	3.755	0.031	#
9)	trans-Chl...	7.704	8.167	190849	11430457	0.059	3.391	#
10)	cis-Chlor...	7.805	8.287	16834749	236720	5.341	0.073	#
11)	Endosulfa...	7.924	8.323	36526	93148	0.013	0.031	#
12)	4,4'-DDE	7.901f	8.390	58867	74468	0.017	0.021	
13)	Dieldrin	8.073f	8.541	105715	10051036	0.033	3.056	#
14)	Endrin	8.286	8.764	17982284	10243436	6.951	4.173	#
15)	4,4'-DDD	8.286	8.811	17982284	17366122	6.644	6.147	
16)	Endosulfa...	8.435	8.915	34149	115171	0.014	0.043	#
17)	4,4'-DDT	8.499	9.028	22459	104390	0.009	0.008	
18)	Endrin Al...	8.729	9.152	219992	246754	BelowCal	BelowCal	
19)	Endosulfa...	9.039	9.347	102353	132769	0.041	0.050	
20)	Methoxychlor	8.831	9.502	15051	33546	0.012	0.025	#
21)	Endrin Ke...	9.243	9.732	63598	11183223	0.021	3.860	#
23)	Hexachlor...	3.462	3.769	16915994	18400186	4.866	4.590	
24)	Hexachlor...	6.062	6.519	17228940	17607068	5.285	4.903	
25)	Oxychlordane	7.550	7.973	14138970	14509986	5.127	4.935	
26)	2,4'-DDE	7.616	8.167	11843817	11430457	5.299	4.917	
27)	trans-Non...	7.805	8.249	16834749	16862415	5.297	5.014	
28)	2,4'-DDD	7.998	8.541	10090183	10051036	5.325	5.150	
29)	2,4'-DDT	8.179	8.764	10380223	10243436	5.147	4.868	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:30
Operator : MJB
Sample : 1B22071-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

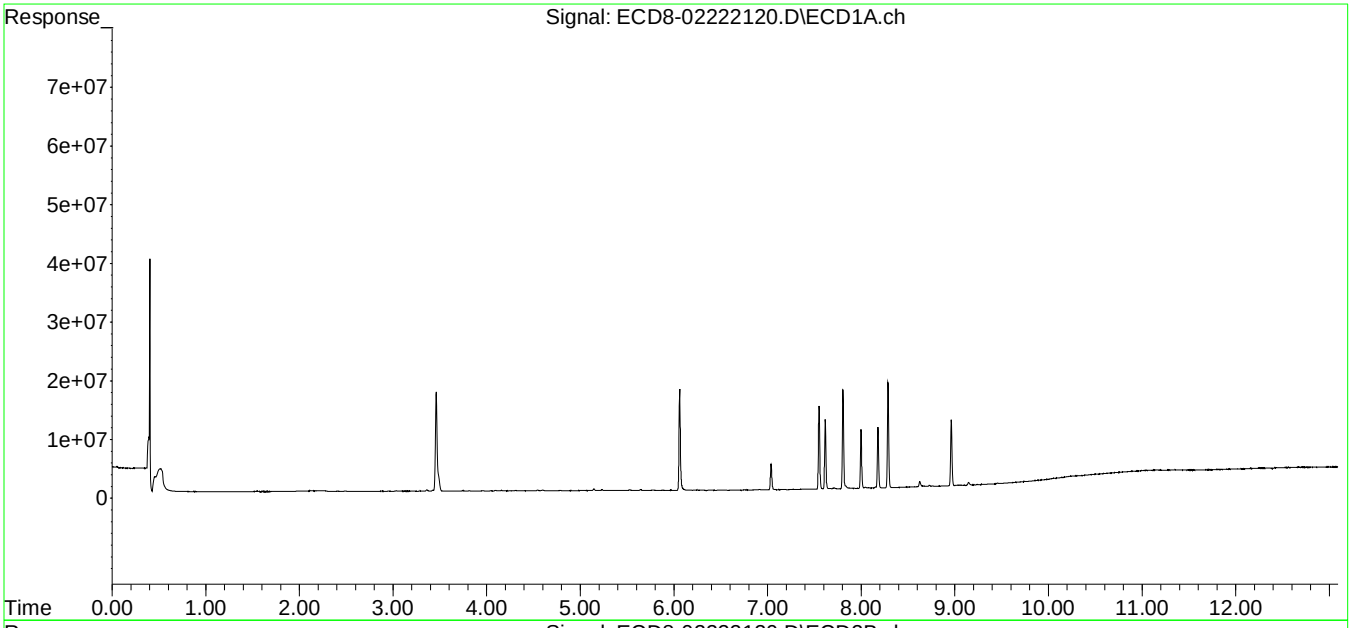
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.286	8.811	17982284	17366122	5.359	4.839	
31)	Mirex	8.962	9.732	11264877	11183223	5.502	5.532	
32)	Chlordane...	7.704	8.198	190849	495644	0.546	1.228	#
33)	Chlordane...	7.805	8.287	16834749	236720	48.429	0.702	#
34)	Chlordane...	8.346f	8.948	13722	1166121	0.130	0.427	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.805	8.510	16834749	66305	1241.306	2.092	#
37)	Toxaphene...	8.125f	0.000	26298	0	0.260	N.D.	#
38)	Toxaphene...	8.435	8.915	34149	115171	0.592	1.994	#
39)	Toxaphene...	8.666	8.990	117496	119760	1.863	BelowCal	#
40)	Toxaphene...	8.871f	9.152	11208	246754	0.236	0.680	#
41)	Toxaphene...	8.962	9.516	11264877	23260	209.107	0.405	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:30
Operator : MJB
Sample : 1B22071-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:25:50 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:46
Operator : MJB
Sample : 1B22071-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:04 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.041	6553	45976	0.002	0.014	#
22) S	DCBP (S)	9.907	10.611	295439	58144	1931.191	BelowCal	#
	Target Compounds							
2)	a-BHC	6.227	6.648	46167	39659	0.011	0.009	
3)	g-BHC	6.514	6.969	26157	33862	0.007	0.009	
4)	b-BHC	6.608	7.039	27490	39459	0.018	BelowCal	#
5)	Heptachlor	6.913	7.342	110841	141928	0.032	0.038	
6)	d-BHC	6.758	7.286	74260	95467	0.022	0.016	#
7)	Aldrin	7.160	7.624	42654	183903	0.012	0.052	#
8)	Heptachlo...	7.617	8.042	20728712	113641	6.573	0.034	#
9)	trans-Chl...	7.721	8.168	107444	20666712	0.033	6.130	#
10)	cis-Chlor...	7.806	8.287	29798426	361060	9.453	0.111	#
11)	Endosulfa...	7.920	8.362f	50953	105401	0.018	0.035	#
12)	4,4'-DDE	7.904f	8.391	64780	78331	0.019	0.022	
13)	Dieldrin	8.074f	8.541	150000	17551974	0.047	5.336	#
14)	Endrin	8.287	8.764	30557167	17969327	11.812	7.283	#
15)	4,4'-DDD	8.287	8.811	30557167	31198771	11.290	11.042	
16)	Endosulfa...	8.436	8.914	39248	106639	0.016	0.040	#
17)	4,4'-DDT	8.501	9.032	39030	102053	0.016	0.007	#
18)	Endrin Al...	8.729	9.152	186363	211613	BelowCal	BelowCal	
19)	Endosulfa...	9.040	9.348	79265	111612	0.032	0.042	#
20)	Methoxychlor	8.833	9.505	22822	29975	0.018	0.023	
21)	Endrin Ke...	9.242	9.731	51737	17589722	0.017	6.231	#
23)	Hexachlor...	3.463	3.770	33815879	38223828	9.727	9.534	
24)	Hexachlor...	6.062	6.518	30466143	32152783	9.345	8.954	
25)	Oxychlordane	7.551	7.973	25965576	26262955	9.416	8.933	
26)	2,4'-DDE	7.617	8.168	20728712	20666712	9.275	8.891	
27)	trans-Non...	7.806	8.249	29798426	29960662	9.375	8.908	
28)	2,4'-DDD	7.999	8.541	17287796	17551974	9.124	9.070	
29)	2,4'-DDT	8.180	8.764	18647054	17969327	9.245	8.540	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:46
Operator : MJB
Sample : 1B22071-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:04 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

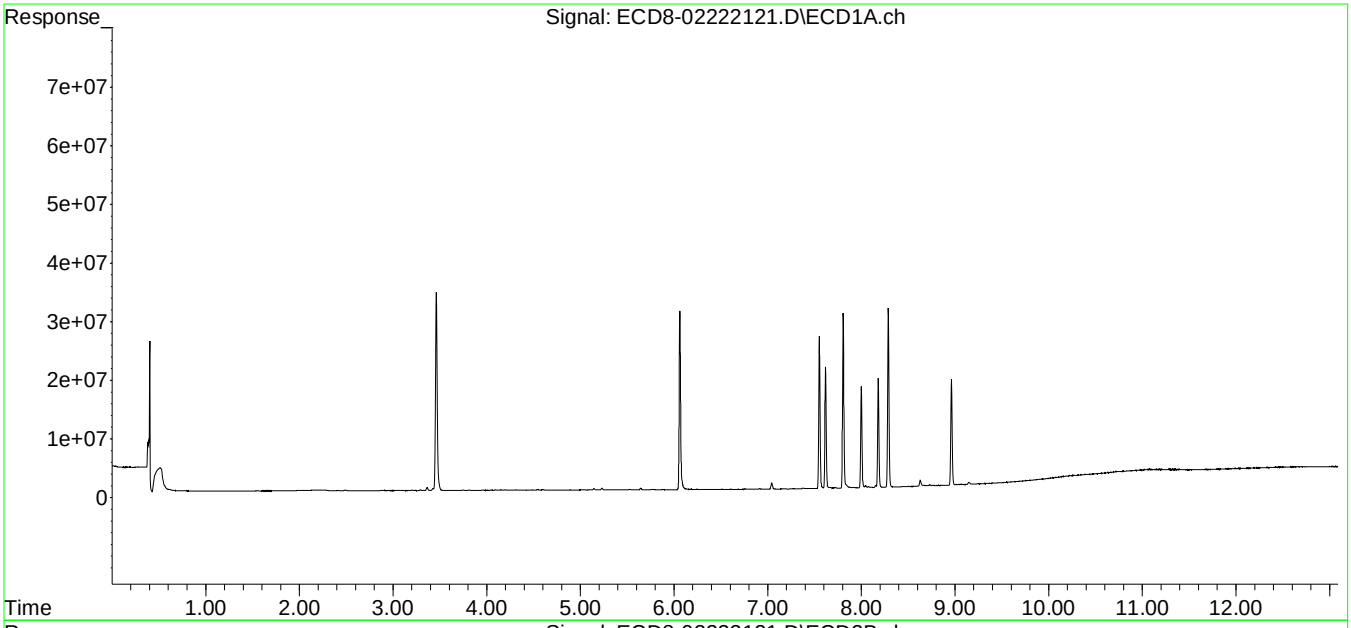
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.287	8.811	30557167	31198771	9.106	8.693	
31)	Mirex	8.961	9.731	18015848	17589722	8.907	8.926	
32)	Chlordane...	7.721	8.168	107444	20666712	0.307	51.206	#
33)	Chlordane...	7.806	8.287	29798426	361060	85.721	1.070	#
34)	Chlordane...	8.384	8.949	9697	1262515	0.092	1.431	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.806	8.541f	29798426	17551974	2397.104	553.719	#
37)	Toxaphene...	8.074f	0.000	150000	0	4.111	N.D.	#
38)	Toxaphene...	8.417	8.914	7196	106639	0.125	1.846	#
39)	Toxaphene...	8.668	8.949f	131928	1262515	2.091	10.532	#
40)	Toxaphene...	8.896	9.152	13539	211613	0.285	0.020	#
41)	Toxaphene...	8.961	9.524	18015848	14471	334.423	0.252	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

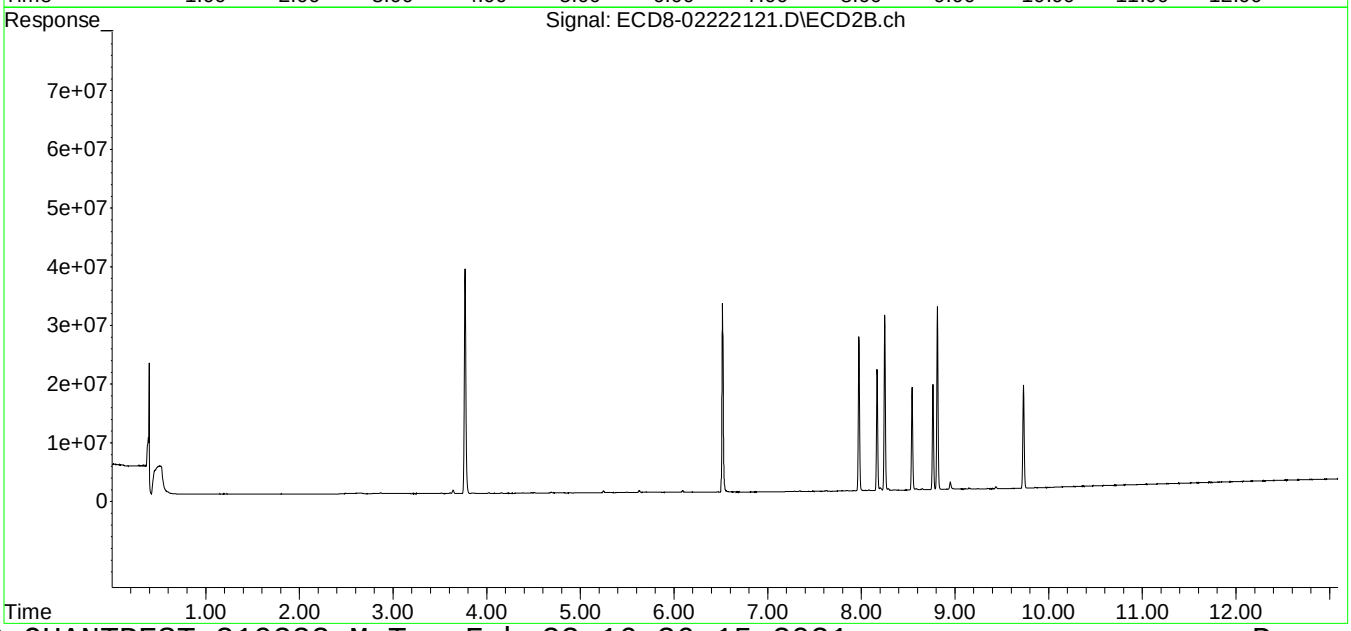
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:46
Operator : MJB
Sample : 1B22071-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:04 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:02
Operator : MJB
Sample : 1B22071-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:16 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.040	14937	64198	0.005	0.019	#
22) S	DCBP (S)	9.902	10.609	266510	59723	1931.205	BelowCal	#
	Target Compounds							
2)	a-BHC	6.227	6.650	46049	43007	0.011	0.009	
3)	g-BHC	6.514	6.965	20761	12811	0.006	0.003	#
4)	b-BHC	6.605	7.039	25382	23729	0.016	BelowCal	#
5)	Heptachlor	6.914	7.342	245168	231107	0.071	0.063	
6)	d-BHC	6.755	7.284	58960	50804	0.017	0.004	#
7)	Aldrin	7.119f	7.625	49611	358416	0.014	0.102	#
8)	Heptachlo...	7.618	8.043	53237868	155391	16.881	0.047	#
9)	trans-Chl...	7.707	8.168	212086	55999217	0.066	16.611	#
10)	cis-Chlor...	7.807	8.287	76125922	657678	24.150	0.203	#
11)	Endosulfa...	7.908	8.363f	112534	161541	0.039	0.054	#
12)	4,4'-DDE	0.000	8.389	0	59514	N.D.	0.017	#
13)	Dieldrin	8.077	8.543	385674	48638614	0.122	14.787	#
14)	Endrin	8.289f	8.767	82853835	50736802	32.027	20.157	#
15)	4,4'-DDD	8.289	8.815	82853835	87229388	30.613	30.874	
16)	Endosulfa...	8.440	8.919	41400	105349	0.016	0.039	#
17)	4,4'-DDT	8.506	9.030	52078	116053	0.021	0.013	#
18)	Endrin Al...	8.735	9.156	183776	211575	BelowCal	BelowCal	
19)	Endosulfa...	9.044	9.351	90120	106146	0.036	0.040	
20)	Methoxychlor	8.823	9.492	26576	28393	0.021	0.022	
21)	Endrin Ke...	9.248	9.735	41829	49375718	0.014	17.753	#
23)	Hexachlor...	3.461	3.769	81425185	93923754	23.423	23.427	
24)	Hexachlor...	6.062	6.520	78397083	85289633	24.047	23.751	
25)	Oxychlordane	7.552	7.975	65632206	69820741	23.801	23.749	
26)	2,4'-DDE	7.618	8.168	53237868	55999217	23.821	24.091	
27)	trans-Non...	7.807	8.250	76125922	81304083	23.951	24.175	
28)	2,4'-DDD	8.001	8.543	44965047	48638614	23.730	25.061	
29)	2,4'-DDT	8.182	8.767	48311296	50736802	23.953	24.112	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:02
Operator : MJB
Sample : 1B22071-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:16 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

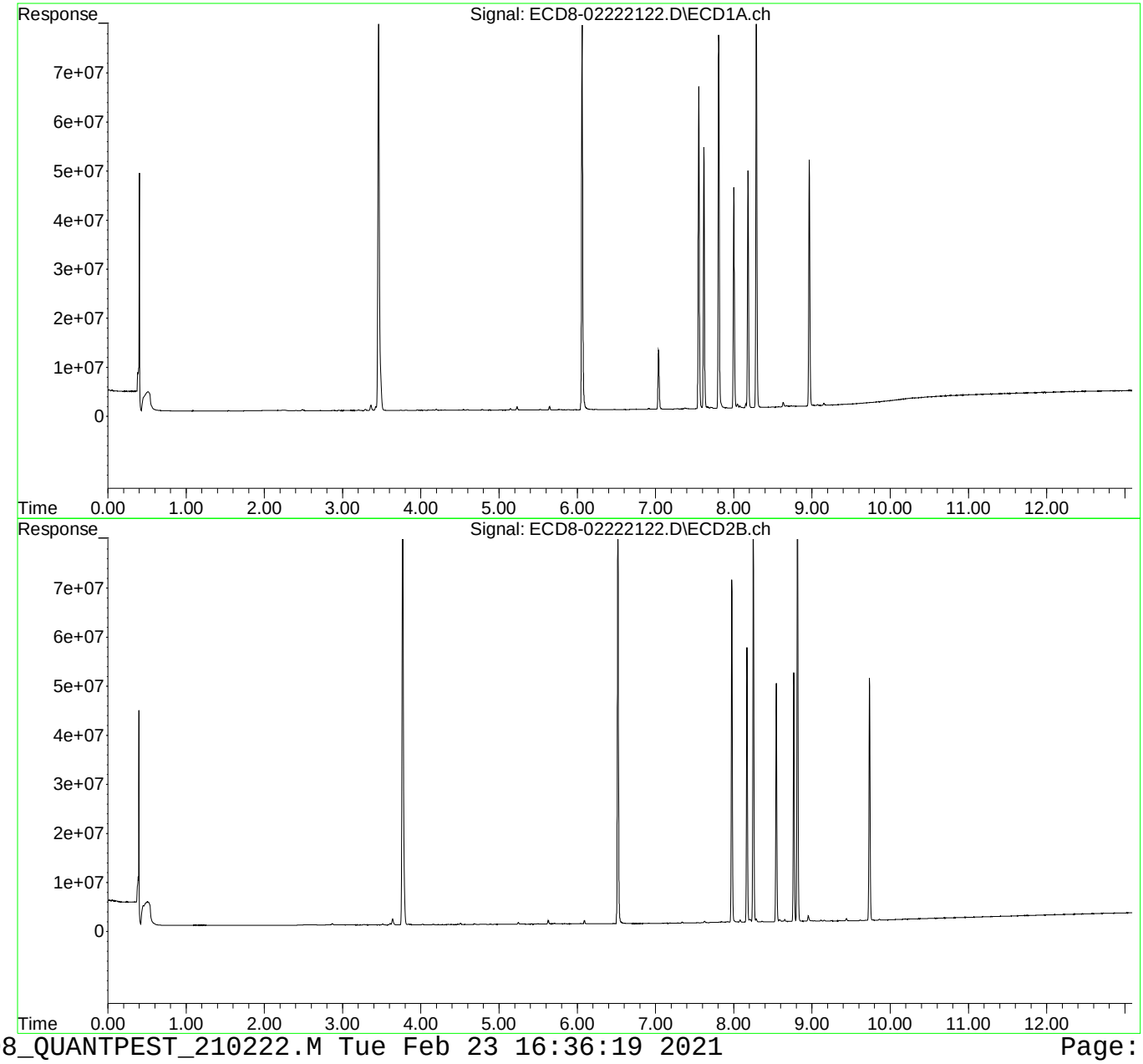
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.289	8.815	82853835	87229388	24.691	24.304	
31)	Mirex	8.965	9.735	50147847	49375718	25.128	25.502	
32)	Chlordane...	7.707	8.168	212086	55999217	0.606	138.748	#
33)	Chlordane...	7.807	8.287	76125922	657678	218.991	1.949	#
34)	Chlordane...	8.387	8.953	15873	1149560	0.150	0.255	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.807	8.514	76125922	45974	BelowCal	1.450	
37)	Toxaphene...	8.077f	0.000	385674	0	11.454	N.D.	#
38)	Toxaphene...	8.409	8.919	16143	105349	0.280	1.824	#
39)	Toxaphene...	8.674	8.989	222077	141591	3.521	BelowCal	#
40)	Toxaphene...	8.898	9.156	10587	211575	0.223	0.019	#
41)	Toxaphene...	8.965	9.532	50147847	20308	930.881	0.354	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:02
Operator : MJB
Sample : 1B22071-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:16 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:18
Operator : MJB
Sample : 1B22071-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.645f	6.040	1313771	67929	0.410	0.020	#
22) S	DCBP (S)	0.000	10.605	0	56337	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.230	6.650	46693	61661	0.011	0.014	
3)	g-BHC	6.513	6.968	19885	7859	0.005	0.002	#
4)	b-BHC	6.603	7.039	20838	34055	0.013	BelowCal	#
5)	Heptachlor	6.913	7.341	395889	414181	0.115	0.112	
6)	d-BHC	6.754	7.281	35954	52783	0.011	0.004	#
7)	Aldrin	7.158	7.626f	43581	122035	0.013	0.035	#
8)	Heptachlo...	7.615	8.040	105.3E6	198541	33.398	0.060	#
9)	trans-Chl...	7.720	8.166	252812	114.2E6	0.078	33.869	#
10)	cis-Chlor...	7.804	8.285	150.2E6	1159268	47.634	0.358	#
11)	Endosulfa...	7.904	8.359	171395	237568	0.059	0.079	#
12)	4,4'-DDE	7.904f	8.392	171395	109408	0.050	0.031	#
13)	Dieldrin	8.110	8.541	126781	94914438	0.040	28.856	#
14)	Endrin	8.286	8.765	155.8E6	105.0E6	60.236	40.475	#
15)	4,4'-DDD	8.286	8.812	155.8E6	169.9E6	57.576	60.149	
16)	Endosulfa...	8.439	8.912	61717	135635	0.025	0.051	#
17)	4,4'-DDT	8.504	9.028	71233	172518	0.029	0.037	#
18)	Endrin Al...	8.730	9.157	179774	238332	BelowCal	BelowCal	
19)	Endosulfa...	9.043	9.350	79009	79674	0.032	0.030	
20)	Methoxychlor	8.815	9.514	130631	18356	0.104	0.014	#
21)	Endrin Ke...	9.244	9.732	30467	90706286	0.010	32.173	#
23)	Hexachlor...	3.464	3.770	169.8E6	203.8E6	48.831	50.846	
24)	Hexachlor...	6.062	6.519	155.2E6	178.4E6	47.608	49.672	
25)	Oxychlordane	7.550	7.973	129.8E6	140.5E6	47.076	47.797	
26)	2,4'-DDE	7.615	8.166	105.3E6	114.2E6	47.129	49.121	
27)	trans-Non...	7.804	8.248	150.2E6	160.3E6	47.241	47.659	
28)	2,4'-DDD	7.998	8.541	87544358	94914438	46.201	48.155	
29)	2,4'-DDT	8.179	8.765	100.5E6	105.0E6	49.808	49.918	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:18
Operator : MJB
Sample : 1B22071-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

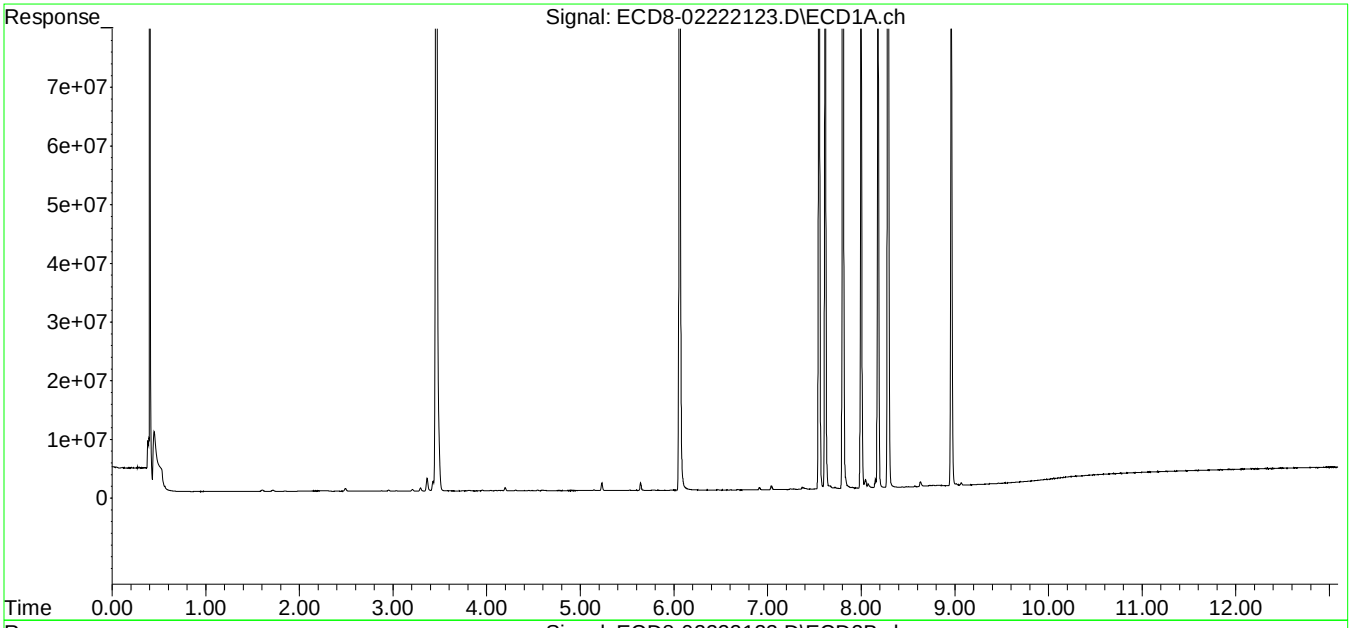
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.286	8.812	155.8E6	169.9E6	46.439	47.351	
31)	Mirex	8.962	9.732	89981809	90706286	45.272	46.437	
32)	Chlordane...	7.720	8.166	252812	114.2E6	0.723	282.898	#
33)	Chlordane...	7.804	8.285	150.2E6	1159268	431.940	3.436	#
34)	Chlordane...	8.403f	8.953	33182	1119268	0.315	BelowCal	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.804	8.509	150.2E6	62945	BelowCal	1.986	
37)	Toxaphene...	8.110	0.000	126781	0	3.388	N.D.	#
38)	Toxaphene...	8.439	8.912	61717	135635	1.069	2.348	#
39)	Toxaphene...	8.632f	8.953	844535	1119268	13.388	8.902	#
40)	Toxaphene...	8.903	9.157	9981	238332	0.210	0.522	#
41)	Toxaphene...	8.962	9.524	89981809	17183	1670.308	0.299	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:18
Operator : MJB
Sample : 1B22071-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:35
Operator : MJB
Sample : 1B22071-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:37 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.646f	6.041	2330433	65342	0.727	0.019	#
22) S	DCBP (S)	9.931f	10.605	282544	45396	1931.197	BelowCal	#
	Target Compounds							
2)	a-BHC	6.228	6.649	97641	87438	0.023	0.019	
3)	g-BHC	6.510	6.966	28193	14897	0.008	0.004	#
4)	b-BHC	6.599	7.033	37458	60862	0.024	BelowCal	#
5)	Heptachlor	6.913	7.341	732438	741214	0.214	0.201	
6)	d-BHC	6.749	7.279	62853	72346	0.019	0.010	#
7)	Aldrin	7.156	7.602	49690	63670	0.014	0.018	#
8)	Heptachlo...	7.615	8.040	214.7E6	324828	68.087	0.098	#
9)	trans-Chl...	7.720	8.166	489081	244.1E6	0.152	72.407	#
10)	cis-Chlor...	7.804	8.285	312.0E6	2047223	98.969	0.631	#
11)	Endosulfa...	7.905	8.357	374709	423067	0.129	0.141	
12)	4,4'-DDE	7.905f	8.398	374709	212636	0.109	0.061	#
13)	Dieldrin	8.109	8.541	279647	210.1E6	0.088	63.880	#
14)	Endrin	8.286	8.765	328.5E6	225.0E6	126.992	81.707	#
15)	4,4'-DDD	8.286	8.812	328.5E6	380.3E6	121.383	134.611	
16)	Endosulfa...	8.438	8.915	135851	208874	0.054	0.078	#
17)	4,4'-DDT	8.504	9.027	149301	299172	0.061	0.092	#
18)	Endrin Al...	8.730	9.158	293165	369984	BelowCal	BelowCal	
19)	Endosulfa...	9.043	9.350	122101	66566	0.049	0.025	#
20)	Methoxychlor	8.808	9.507	190662	20836	0.152	0.016	#
21)	Endrin Ke...	9.245	9.732	43389	208.7E6	0.015	70.446	#
23)	Hexachlor...	3.463	3.770	310.9E6	386.1E6	89.423	96.299	
24)	Hexachlor...	6.063	6.519	315.7E6	365.0E6	96.837	101.656	
25)	Oxychlordane	7.550	7.973	264.0E6	300.6E6	95.736	102.239	
26)	2,4'-DDE	7.615	8.166	214.7E6	244.1E6	96.079	105.011	
27)	trans-Non...	7.804	8.249	312.0E6	345.8E6	98.152	102.818	
28)	2,4'-DDD	7.998	8.541	181.0E6	210.1E6	95.543	102.432	
29)	2,4'-DDT	8.179	8.765	207.7E6	225.0E6	102.998	106.914	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:35
Operator : MJB
Sample : 1B22071-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:37 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

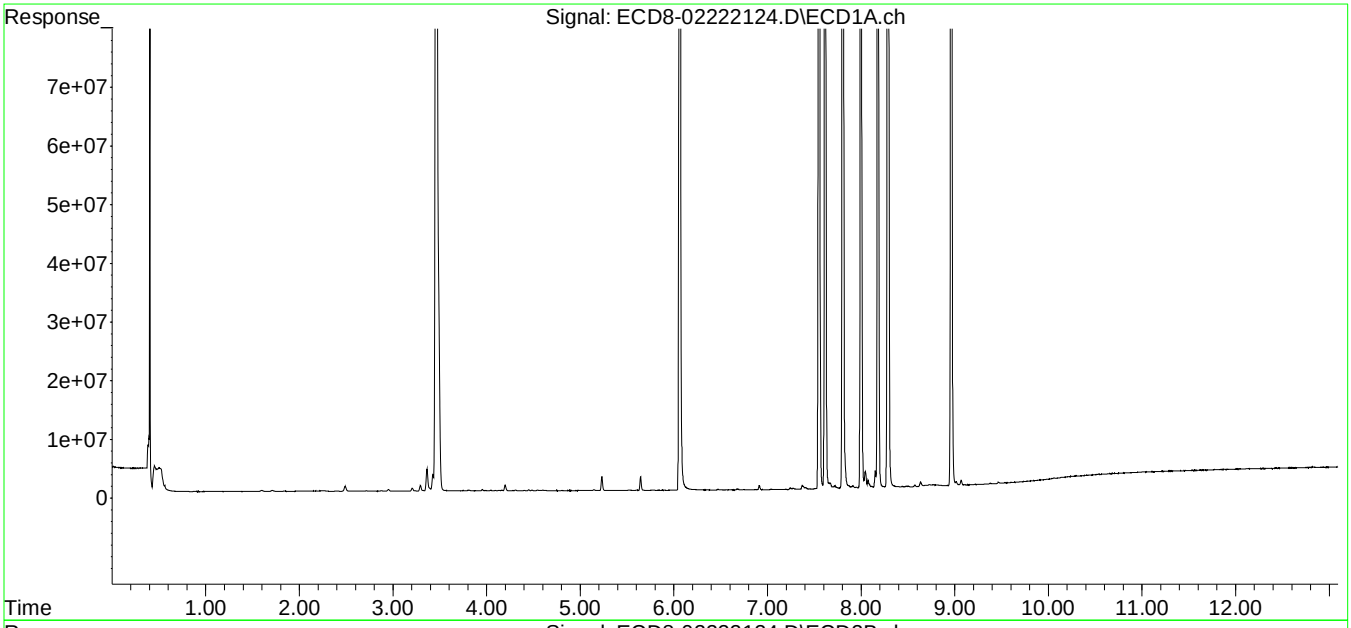
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.286	8.812	328.5E6	380.3E6	97.903	105.968	
31)	Mirex	8.962	9.732	197.0E6	208.7E6	99.559	102.890	
32)	Chlordane...	7.720	8.166	489081	244.1E6	1.398	604.787	#
33)	Chlordane...	7.804	8.285	312.0E6	2047223	897.434	6.068	#
34)	Chlordane...	0.000	8.953	0	1066144	N.D.	BelowCal	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.804	8.541f	312.0E6	210.1E6	BelowCal	6628.523	
37)	Toxaphene...	8.109	0.000	279647	0	8.149	N.D.	#
38)	Toxaphene...	8.438	8.915	135851	208874	2.354	3.616	#
39)	Toxaphene...	8.685f	8.953	181991	1066144	2.885	8.297	#
40)	Toxaphene...	8.923f	9.158	26766	369984	0.563	2.995	#
41)	Toxaphene...	8.962	9.532	197.0E6	14274	3656.173	0.249	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:35
Operator : MJB
Sample : 1B22071-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:37 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:51
Operator : MJB
Sample : 1B22071-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:48 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.645f	6.042	4513046	84682	1.408	0.025	#
22) S	DCBP (S)	0.000	10.603	0	59079	N.D.	BelowCal	
	Target Compounds							
2)	a-BHC	6.228	6.650	239187	214148	0.056	0.047	
3)	g-BHC	6.513	6.967	82365	53748	0.023	0.014	#
4)	b-BHC	6.596	7.033	104256	133352	0.067	BelowCal	#
5)	Heptachlor	6.913	7.341	1368323	1374830	0.399	0.373	
6)	d-BHC	6.746	7.280	139467	143584	0.041	0.030	#
7)	Aldrin	7.157	7.623	95364	213450	0.028	0.061	#
8)	Heptachlo...	7.614	8.040	420.3E6	470178	133.276	0.142	#
9)	trans-Chl...	7.720	8.167	876232	499.4E6	0.272	148.126	#
10)	cis-Chlor...	7.804	8.285	611.7E6	3291543	194.053	1.015	#
11)	Endosulfa...	7.914	8.359	988410	644528	0.341	0.214	#
12)	4,4'-DDE	7.866	8.400	574044	795205	0.167	0.226	#
13)	Dieldrin	8.109	8.541	528658	439.5E6	0.167	133.631	#
14)	Endrin	8.286	8.765	692.4E6	481.6E6	267.649	158.084	#
15)	4,4'-DDD	8.286	8.813	692.4E6	806.0E6	255.828	285.268	
16)	Endosulfa...	8.438	8.915	259837	337268	0.103	0.126	
17)	4,4'-DDT	8.501	9.027	319358	514102	0.130	0.184	#
18)	Endrin Al...	8.728	9.158	531320	656568	BelowCal	BelowCal	
19)	Endosulfa...	9.039	9.348	146465	81875	0.059	0.031	#
20)	Methoxychlor	8.806f	9.507	374702	34573	0.300	0.026	#
21)	Endrin Ke...	9.242	9.732	65784	435.2E6	0.022	134.979	#
23)	Hexachlor...	3.463	3.770	687.1E6	868.0E6	197.657	216.495	
24)	Hexachlor...	6.063	6.520	663.1E6	794.5E6	203.384	221.247	
25)	Oxychlordane	7.550	7.973	553.4E6	635.4E6	200.705	216.110	
26)	2,4'-DDE	7.614	8.167	420.3E6	499.4E6	188.068	214.826	
27)	trans-Non...	7.804	8.249	611.7E6	730.1E6	192.453	217.075	
28)	2,4'-DDD	7.997	8.541	369.8E6	439.5E6	195.185	199.860	
29)	2,4'-DDT	8.179	8.765	426.9E6	481.6E6	211.644	228.862	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:51
Operator : MJB
Sample : 1B22071-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:48 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

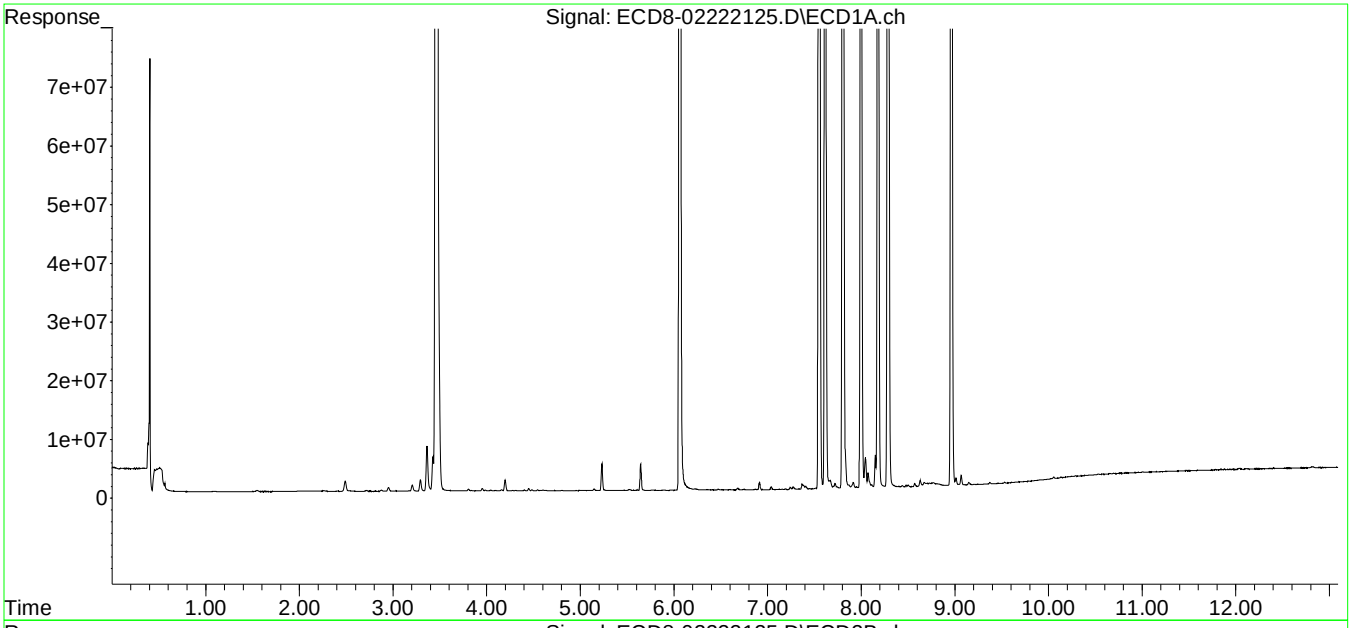
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.286	8.813	692.4E6	806.0E6	206.341	224.568	
31)	Mirex	8.962	9.732	404.4E6	435.2E6	205.593	200.374	
32)	Chlordane...	7.720	8.167	876232	499.4E6	2.505	1237.238	#
33)	Chlordane...	7.804	8.285	611.7E6	3291543	1759.649	9.756	#
34)	Chlordane...	8.400	8.950	112359	1298622	1.065	1.807	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.804	8.541f	611.7E6	439.5E6	BelowCal	13866.312	
37)	Toxaphene...	8.109	0.000	528658	0	15.913	N.D.	#
38)	Toxaphene...	8.438	8.915	259837	337268	4.502	5.839	#
39)	Toxaphene...	8.672	8.950f	674186	1298622	10.688	10.943	
40)	Toxaphene...	0.000	9.158	0	656568	N.D.	8.377	#
41)	Toxaphene...	8.962	9.530	404.4E6	29882	7506.196	0.521	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

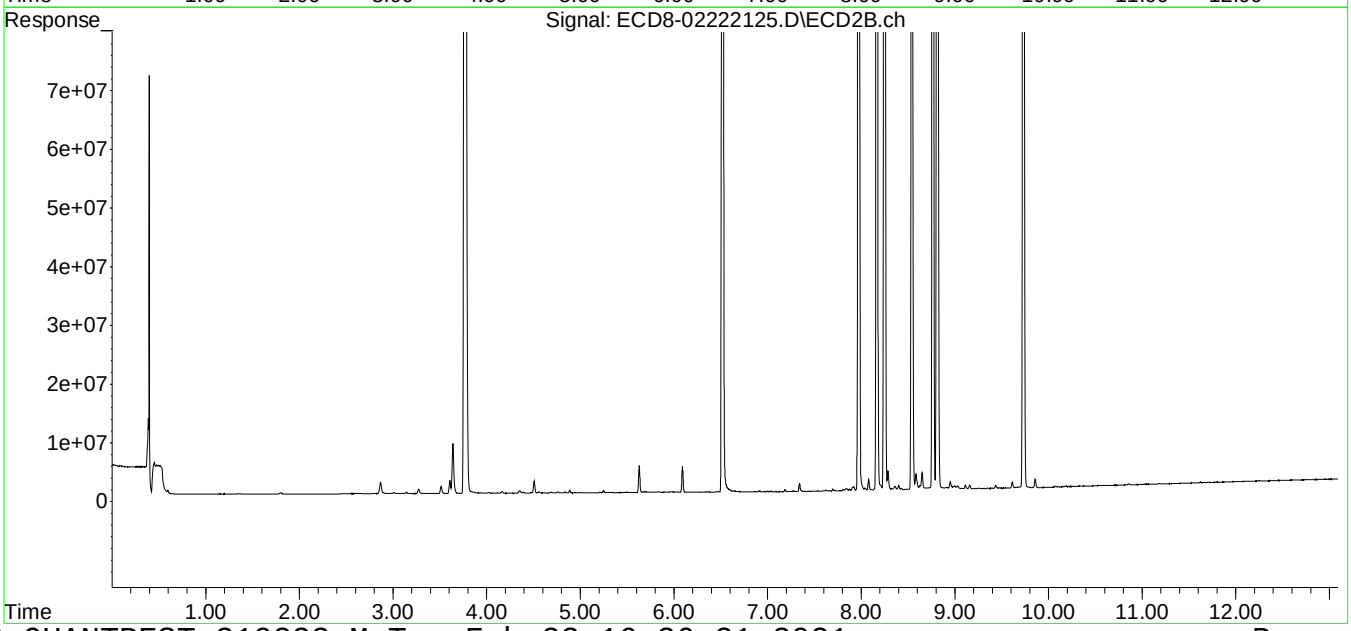
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:51
Operator : MJB
Sample : 1B22071-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:26:48 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:56
Operator : MJB
Sample : 1B22071-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.675	6.053	109622	143394	0.034	0.042	
22) S	DCBP (S)	9.914	10.608	401114	136444	1931.139	BelowCal	#
	Target Compounds							
2)	a-BHC	6.227	6.650	396378	390152	0.093	0.086	
3)	g-BHC	6.515	6.967	408888	466993	0.113	0.120	
4)	b-BHC	6.587	7.038	19669	291430	0.013	BelowCal	#
5)	Heptachlor	6.913	7.340	8326297	8363049	2.428	2.268	
6)	d-BHC	6.734	7.285	296775	505699	0.088	0.130	#
7)	Aldrin	7.157	7.606	325083	408551	0.095	0.116	
8)	Heptachlo...	7.633	8.043	1568578	613164	0.497	0.185	#
9)	trans-Chl...	7.724	8.184	17851422	19070415	5.541	5.657	
10)	cis-Chlor...	7.820	8.291	18023843	16283719	5.718	5.022	
11)	Endosulfa...	7.928	8.342	450544	587981	0.155	0.195	#
12)	4,4'-DDE	7.875	8.391	714405	859651	0.207	0.245	
13)	Dieldrin	8.113	8.544	614129	1549341	0.194	0.471	#
14)	Endrin	8.288f	8.767	3086659	777180	1.193	0.321	#
15)	4,4'-DDD	8.288	8.813	3086659	3545908	1.140	1.255	
16)	Endosulfa...	8.434	8.914	606221	705247	0.241	0.264	
17)	4,4'-DDT	8.503	9.032	321439	695849	0.131	0.262	#
18)	Endrin Al...	8.734	9.153	469773	635127	BelowCal	BelowCal	
19)	Endosulfa...	9.039	9.348	548151	470418	0.219	0.176	
20)	Methoxychlor	8.838	9.504	207638	224788	0.166	0.171	
21)	Endrin Ke...	9.243	9.742	473178	736020	0.159	BelowCal	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	6.035f	6.518	21280	28096	0.007	0.008	
25)	Oxychlordane	7.583f	7.989	3563529	322450	1.292	0.110	#
26)	2,4'-DDE	7.633	8.158	1568578	522524	0.702	0.225	#
27)	trans-Non...	7.820	8.250	18023843	13983323	5.671	4.158	#
28)	2,4'-DDD	8.005	8.544	448483	1549341	0.237	0.677	#
29)	2,4'-DDT	8.160	8.767	946667	777180	0.469	0.369	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:56
Operator : MJB
Sample : 1B22071-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

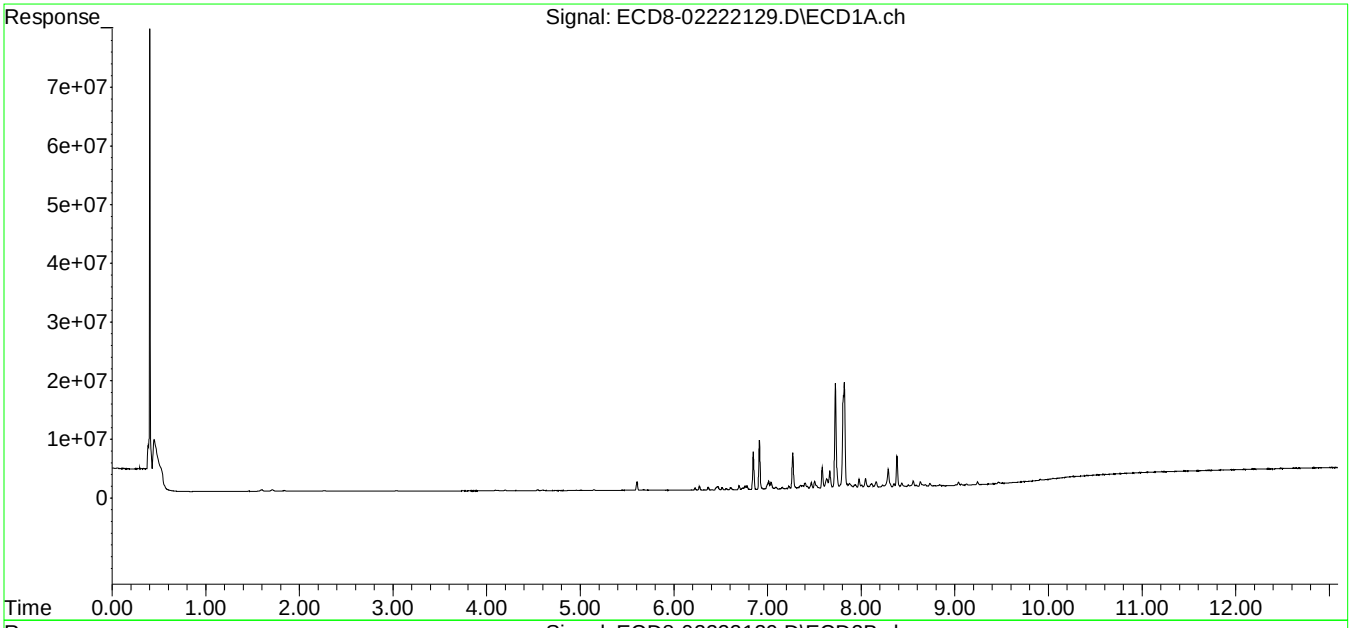
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.813	3086659	3545908	0.920	0.988	
31)	Mirex	8.947	9.742	19277	736020	21703.393	BelowCal	#
32)	Chlordane...	7.724	8.184	17851422	19070415	51.034	47.250	
33)	Chlordane...	7.820	8.291	18023843	16283719	51.849	48.266	
34)	Chlordane...	8.382	8.953	5278298	5948956	50.034	49.969	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.820	8.544f	18023843	1549341	1338.395	48.878	#
37)	Toxaphene...	8.113	8.868	614129	596573	18.580	15.457	
38)	Toxaphene...	8.434	8.914	606221	705247	10.503	12.211	
39)	Toxaphene...	8.653	8.953	300593	5948956	4.765	63.656	#
40)	Toxaphene...	8.874f	9.153	84744	635127	1.783	7.974	#
41)	Toxaphene...	8.947f	9.504f	19277	224788	0.358	3.916	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

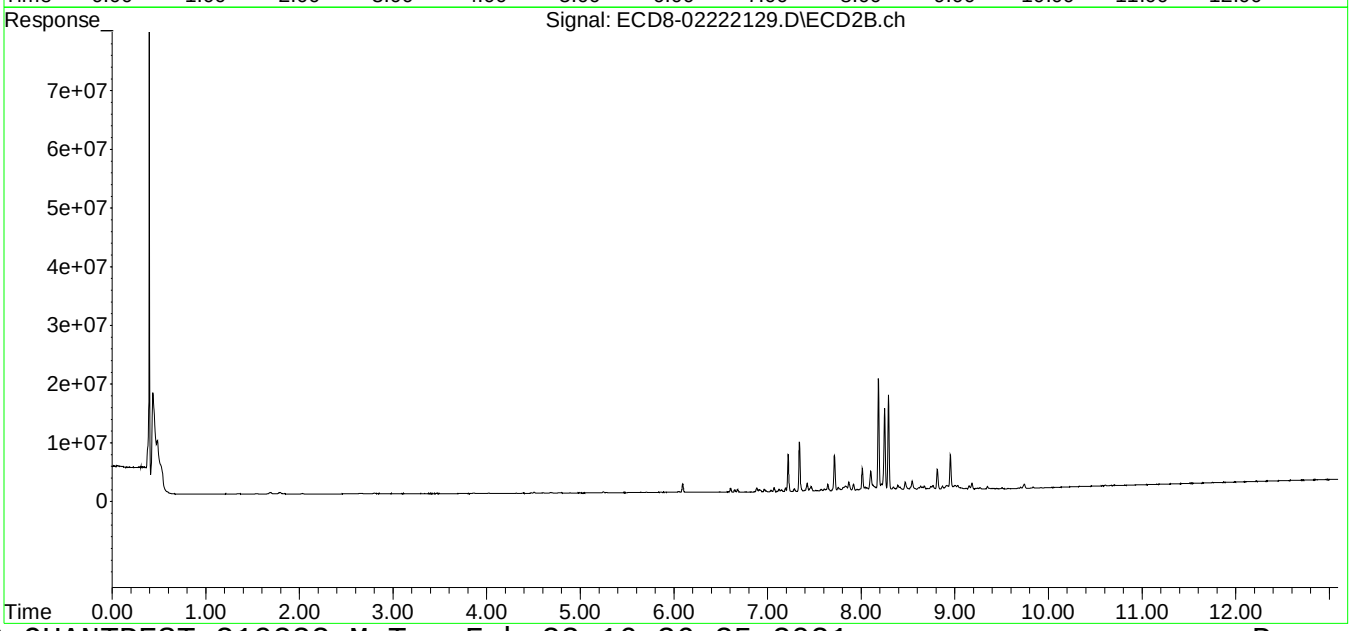
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:56
Operator : MJB
Sample : 1B22071-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:12
Operator : MJB
Sample : 1B22071-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.040	0	109663	N.D.	0.032	#
22) S	DCBP (S)	9.932f	10.573f	337573	78358	1931.170	BelowCal	#
	Target Compounds							
2)	a-BHC	6.222	6.681f	48361	971625	0.011	0.214	#
3)	g-BHC	6.520	6.979	34508	407245	0.010	0.104	#
4)	b-BHC	6.605	7.070f	452873	1288925	0.290	0.605	#
5)	Heptachlor	6.912	7.340	15838458	15754130	4.619	4.272	
6)	d-BHC	6.759	7.278	490655	158176	0.145	0.034	#
7)	Aldrin	7.172	7.570f	189304	687210	0.055	0.195	#
8)	Heptachlo...	7.623	8.061	2137319	977650	0.678	0.295	#
9)	trans-Chl...	7.721	8.183	33851343	36977638	10.508	10.969	
10)	cis-Chlor...	7.818	8.290	32854066	30689828	10.423	9.466	
11)	Endosulfa...	7.939	8.357	909023	645701	0.313	0.215	#
12)	4,4'-DDE	7.851	8.388	1011461	960227	0.294	0.273	
13)	Dieldrin	8.111	8.544	1115843	2835153	0.352	0.862	#
14)	Endrin	8.259	8.764	733076	892271	0.283	0.368	#
15)	4,4'-DDD	8.286	8.812	5833933	6045761	2.155	2.140	
16)	Endosulfa...	8.427	8.903	685984	920268	0.273	0.345	#
17)	4,4'-DDT	8.471f	9.025	271191	699948	0.111	0.264	#
18)	Endrin Al...	8.741	9.152	187762	386875	BelowCal	BelowCal	
19)	Endosulfa...	9.033	9.348	452103	103804	0.181	0.039	#
20)	Methoxychlor	8.841	9.502	142942	50144	0.114	0.038	#
21)	Endrin Ke...	9.244	9.742	46645	394982	0.016	BelowCal	#
23)	Hexachlor...	3.462	3.745f	23329	15337	0.007	0.004	#
24)	Hexachlor...	6.061	6.515	39145	62226	0.012	0.017	#
25)	Oxychlordane	7.581f	7.988	6767039	609931	2.454	0.207	#
26)	2,4'-DDE	7.623	8.183	2137319	36977638	0.956	15.908	#
27)	trans-Non...	7.808	8.248	29693788	27052889	9.342	8.044	
28)	2,4'-DDD	8.003	8.544	934329	2835153	0.493	1.356	#
29)	2,4'-DDT	8.198	8.764	250738	892271	0.124	0.424	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:12
Operator : MJB
Sample : 1B22071-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

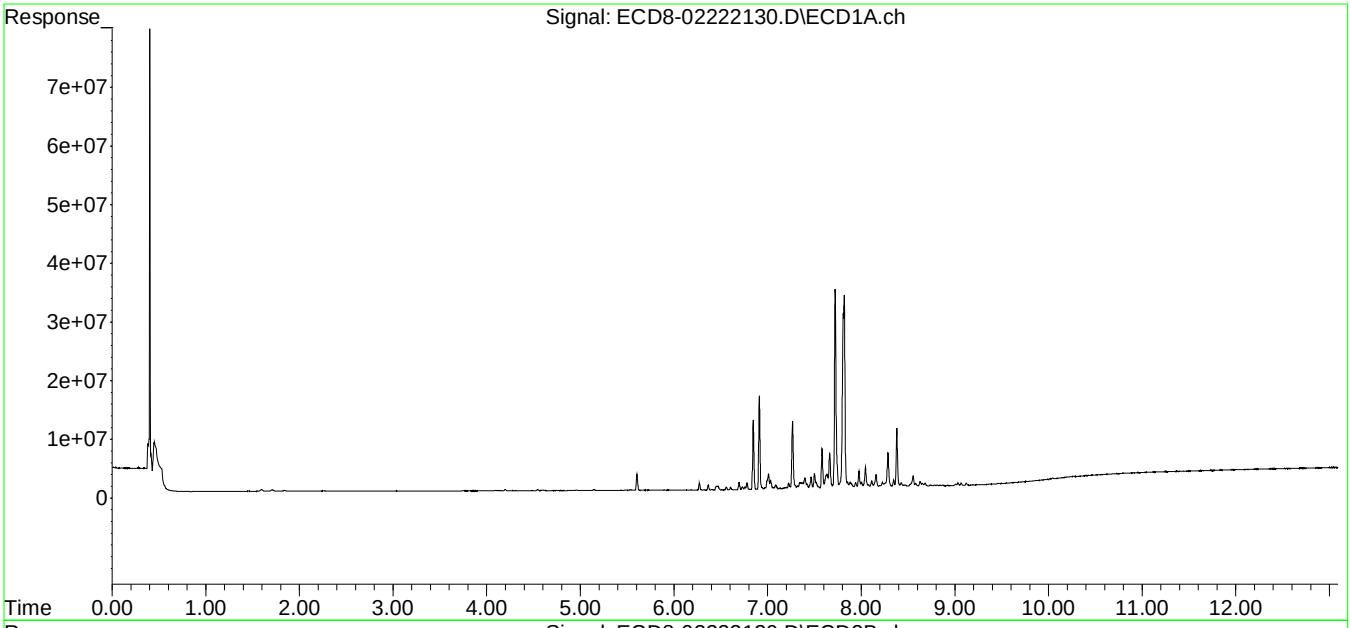
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.286	8.812	5833933	6045761	1.739	1.685	
31)	Mirex	8.976	9.742	13397	394982	21703.396	BelowCal	#
32)	Chlordane...	7.721	8.183	33851343	36977638	96.776	91.619	
33)	Chlordane...	7.818	8.290	32854066	30689828	94.511	90.966	
34)	Chlordane...	8.380	8.952	10002392	10165660	94.814	93.187	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.808	8.544f	29693788	2835153	2386.745	89.442	#
37)	Toxaphene...	8.111	8.866	1115843	1109532	34.260	28.747	
38)	Toxaphene...	8.427	8.903	685984	920268	11.884	15.933	#
39)	Toxaphene...	8.652	8.952f	472551	10165660	7.491	111.089	#
40)	Toxaphene...	8.898	9.152	16019	386875	0.337	3.312	#
41)	Toxaphene...	8.976	9.518	13397	41638	0.249	0.725	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

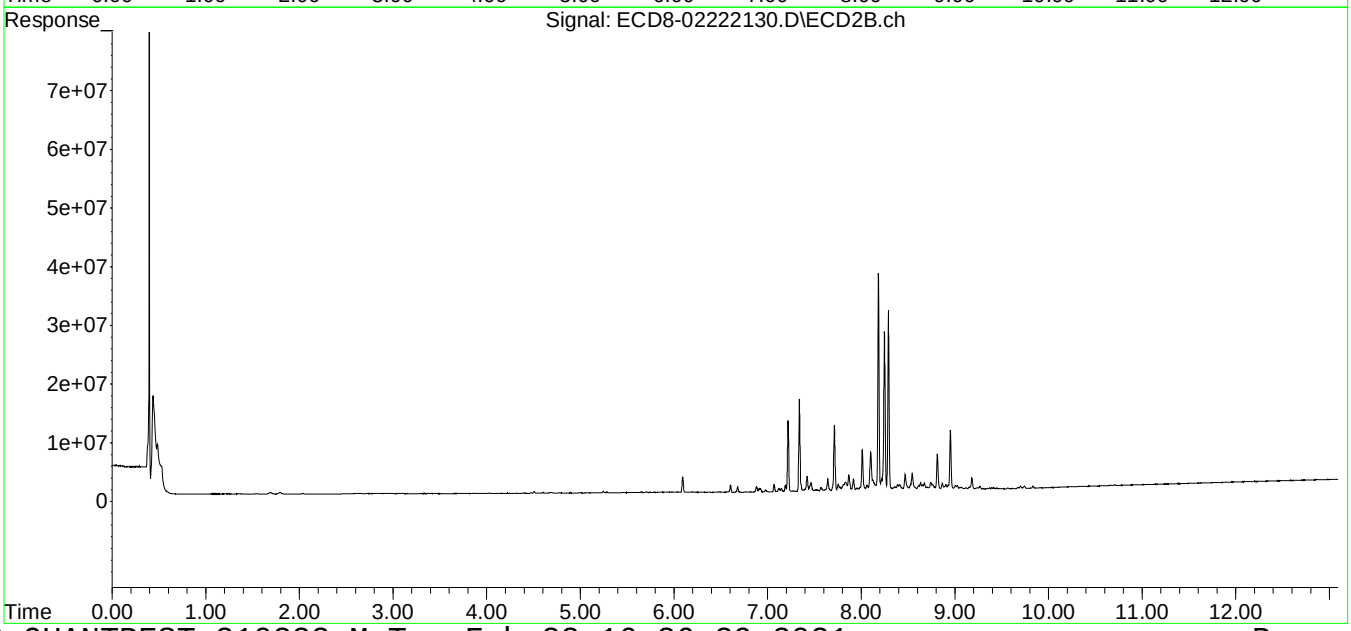
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:12
Operator : MJB
Sample : 1B22071-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:28
Operator : MJB
Sample : 1B22071-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.060	38737	53009	0.012	0.016	#
22) S	DCBP (S)	9.935f	10.580f	325116	69051	1931.176	BelowCal	#
	Target Compounds							
2)	a-BHC	6.218	6.644	30162	18314	0.007	0.004	#
3)	g-BHC	6.526	6.979	57253	721858	0.016	0.185	#
4)	b-BHC	6.605	7.019	805847	93561	0.515	BelowCal	#
5)	Heptachlor	6.913	7.341	30991815	32515981	9.038	8.818	
6)	d-BHC	6.759	7.279	964409	240184	0.286	0.056	#
7)	Aldrin	7.172	7.571f	376065	1186967	0.109	0.337	#
8)	Heptachlo...	7.634	8.060	4568952	1750352	1.449	0.529	#
9)	trans-Chl...	7.722	8.183	66077764	75676309	20.512	22.448	
10)	cis-Chlor...	7.818	8.290	66989579	62512842	21.252	19.281	
11)	Endosulfa...	7.939	8.358	1765123	1194483	0.609	0.397	#
12)	4,4'-DDE	7.852	8.389	2032010	1793044	0.590	0.510	
13)	Dieldrin	8.112	8.544	2173233	5689439	0.685	1.730	#
14)	Endrin	8.288f	8.765	11214560	1628034	4.335	0.669	#
15)	4,4'-DDD	8.288	8.814	11214560	11787171	4.144	4.172	
16)	Endosulfa...	8.431	8.904	1410310	1670387	0.560	0.625	
17)	4,4'-DDT	8.498	9.028	331718	1194958	0.135	0.476	#
18)	Endrin Al...	8.745	9.122f	359769	449115	BelowCal	BelowCal	
19)	Endosulfa...	9.037	9.351	831434	99448	0.332	0.037	#
20)	Methoxychlor	8.817	9.507	335831	67733	0.268	0.051	#
21)	Endrin Ke...	9.227	9.746	89986	690052	0.030	BelowCal	#
23)	Hexachlor...	3.469	0.000	10010	0	0.003	N.D.	#
24)	Hexachlor...	6.059	6.489f	32787	172772	0.010	0.048	#
25)	Oxychlordane	7.582f	7.955	13103877	894694	4.752	0.304	#
26)	2,4'-DDE	7.634	8.183	4568952	75676309	2.044	32.557	#
27)	trans-Non...	7.818	8.249	66989579	55290335	21.077	16.440	
28)	2,4'-DDD	8.004	8.544	1907095	5689439	1.006	2.859	#
29)	2,4'-DDT	8.200f	8.765	570815	1628034	0.283	0.774	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:28
Operator : MJB
Sample : 1B22071-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

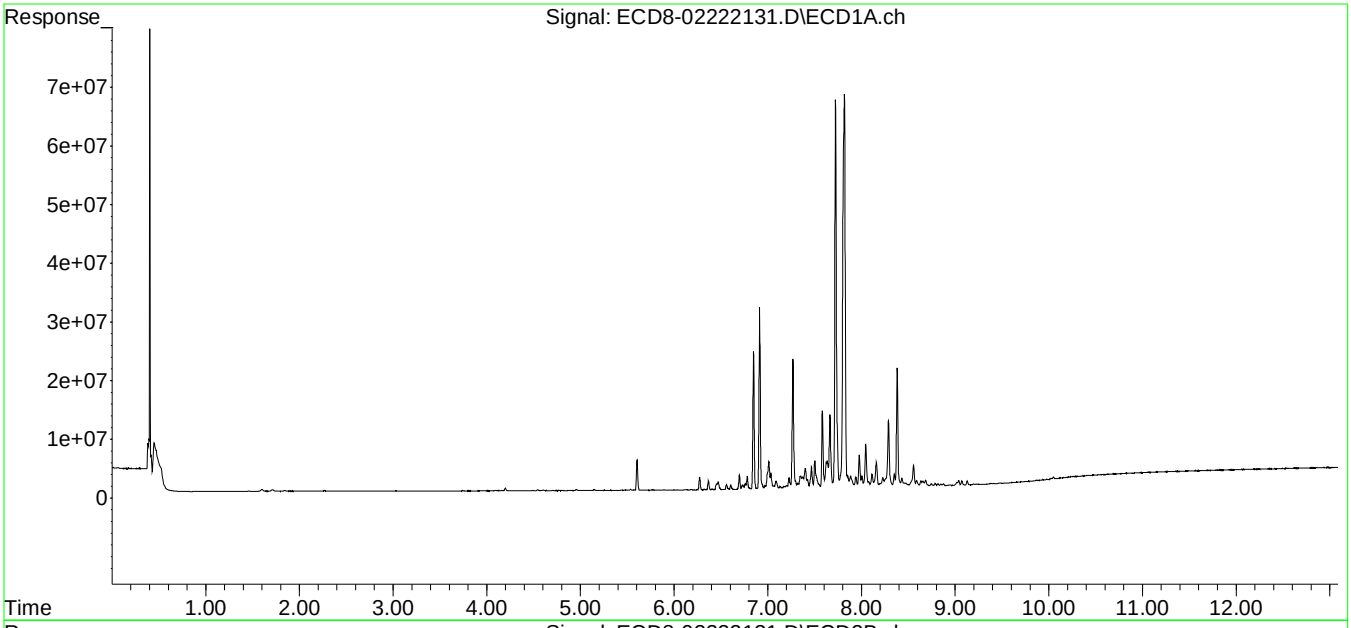
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.814	11214560	11787171	3.342	3.284	
31)	Mirex	8.938f	9.746	112460	690052	21703.346	BelowCal	#
32)	Chlordane...	7.722	8.183	66077764	75676309	188.906	187.502	
33)	Chlordane...	7.818	8.290	66989579	62512842	192.709	185.291	
34)	Chlordane...	8.381	8.953	20189624	20473908	191.380	197.100	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.818	8.544f	66989579	5689439	BelowCal	179.487	
37)	Toxaphene...	8.112	8.869	2173233	2003310	67.442	51.904	
38)	Toxaphene...	8.431	8.904	1410310	1670387	24.433	28.921	
39)	Toxaphene...	8.655	8.953	829894	20473908	13.156	225.630	#
40)	Toxaphene...	8.874f	9.122f	338582	449115	7.125	4.481	#
41)	Toxaphene...	8.938f	9.507f	112460	67733	2.088	1.180	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

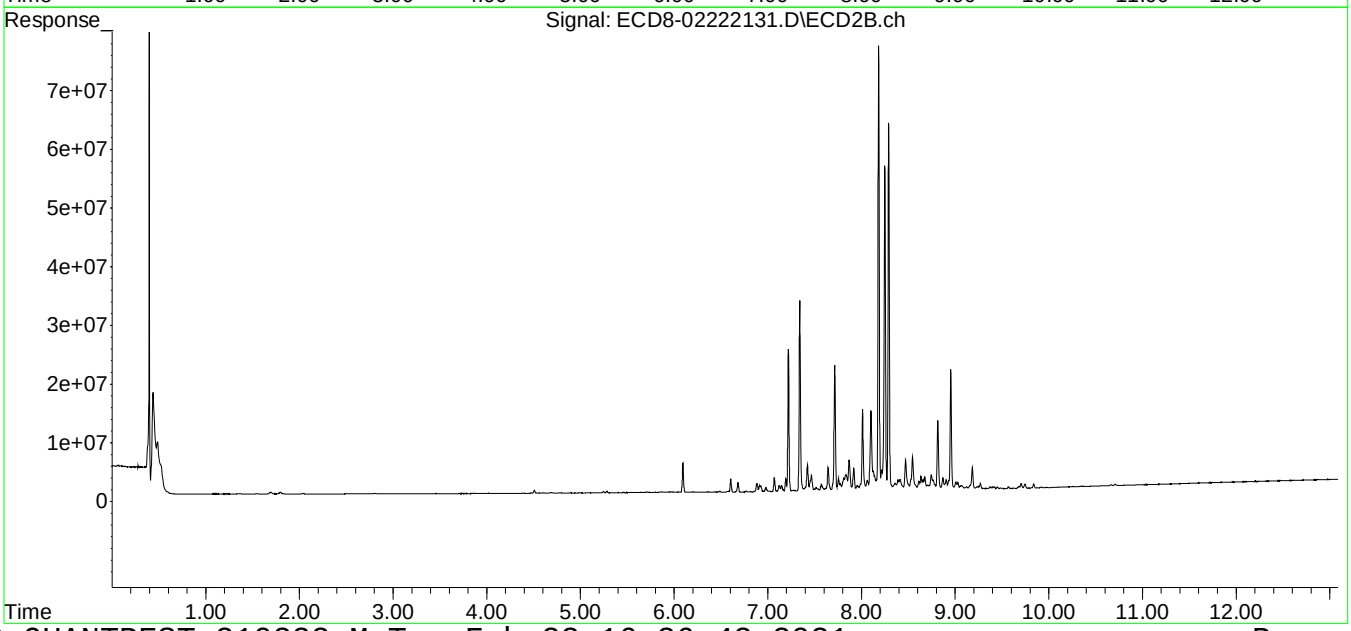
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:28
Operator : MJB
Sample : 1B22071-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:44
Operator : MJB
Sample : 1B22071-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.042	73204	103199	0.023	0.030	#
22) S	DCBP (S)	9.931f	10.607	455416	56026	1931.112	BelowCal	#
	Target Compounds							
2)	a-BHC	6.217	6.680f	79421	3859651	0.019	0.852	#
3)	g-BHC	6.524	6.978	159333	1780634	0.044	0.456	#
4)	b-BHC	6.604	7.021	2076536	245205	1.328	BelowCal	#
5)	Heptachlor	6.912	7.340	83136027	88354171	24.244	23.960	
6)	d-BHC	6.759	7.278	2371819	589525	0.703	0.153	#
7)	Aldrin	7.170	7.570f	1084030	2979060	0.315	0.847	#
8)	Heptachlo...	7.631	8.060	11833726	4570871	3.752	1.381	#
9)	trans-Chl...	7.720	8.183	180.9E6	215.6E6	56.165	63.966	
10)	cis-Chlor...	7.816	8.290	177.5E6	178.4E6	56.319	55.035	
11)	Endosulfa...	7.938	8.358	4609570	3293270	1.590	1.094	#
12)	4,4'-DDE	7.882	8.389	4920387	4387238	1.429	1.248	
13)	Dieldrin	8.111	8.544	5803379	17648926	1.830	5.366	#
14)	Endrin	8.287	8.784	30438504	2185949	11.766	0.897	#
15)	4,4'-DDD	8.287	8.813	30438504	32426001	11.246	11.477	
16)	Endosulfa...	8.429	8.903	3774809	4338071	1.500	1.624	
17)	4,4'-DDT	8.496	9.027	924959	3094397	0.377	1.290	#
18)	Endrin Al...	8.744	9.121f	951611	1137037	BelowCal	0.083	
19)	Endosulfa...	9.034	9.327	2148004	278329	0.859	0.104	#
20)	Methoxychlor	8.813	9.505	1033925	180319	0.826	0.137	#
21)	Endrin Ke...	9.246	9.745	137510	1702570	0.046	0.318	#
23)	Hexachlor...	3.468	3.744f	14247	15830	0.004	0.004	
24)	Hexachlor...	6.058	6.488f	93782	438476	0.029	0.122	#
25)	Oxychlordane	7.579f	7.954	35368229	2191962	12.826	0.746	#
26)	2,4'-DDE	7.631	8.183	11833726	215.6E6	5.295	92.769	#
27)	trans-Non...	7.816	8.248	177.5E6	154.2E6	55.855	45.839	
28)	2,4'-DDD	8.002	8.544	5068499	17648926	2.675	9.121	#
29)	2,4'-DDT	8.199	8.784f	1633027	2185949	0.810	1.039	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:44
Operator : MJB
Sample : 1B22071-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

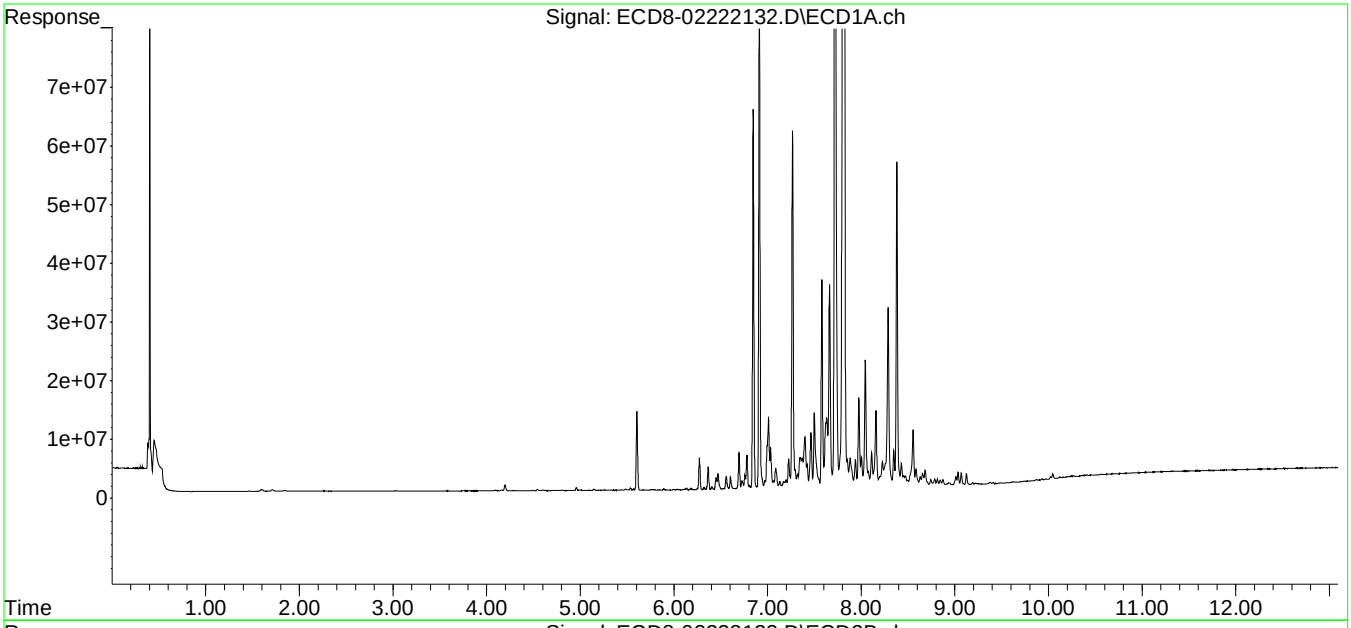
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.287	8.813	30438504	32426001	9.071	9.035	
31)	Mirex	8.943	9.745	328605	1702570	21703.237	0.474	#
32)	Chlordane...	7.720	8.183	180.9E6	215.6E6	517.254	534.283	
33)	Chlordane...	7.816	8.290	177.5E6	178.4E6	510.694	528.898	
34)	Chlordane...	8.380	8.952	55171659	54913459	522.979	528.177	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.816	8.544f	177.5E6	17648926	BelowCal	556.778	
37)	Toxaphene...	8.111	8.867	5803379	5173478	182.788	134.041	#
38)	Toxaphene...	8.429	8.903	3774809	4338071	65.397	75.109	
39)	Toxaphene...	8.655	8.952	2022072	54913459	32.055	594.856	#
40)	Toxaphene...	8.873f	9.121f	929528	1137037	19.562	17.393	
41)	Toxaphene...	8.943f	9.505f	328605	180319	6.100	3.141	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:44
Operator : MJB
Sample : 1B22071-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:01
Operator : MJB
Sample : 1B22071-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:52 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.042	135875	98313	0.042	0.029	#
22) S	DCBP (S)	9.908	10.618	265769	69099	1931.206	BelowCal	#
	Target Compounds							
2)	a-BHC	6.218	6.681f	171177	6874802	0.040	1.517	#
3)	g-BHC	6.526	6.979	321563	3225429	0.089	0.826	#
4)	b-BHC	6.605	7.019	3799800	448315	2.430	0.083	#
5)	Heptachlor	6.913	7.340	158.5E6	176.3E6	46.228	47.822	
6)	d-BHC	6.759	7.278	4433642	998612	1.313	0.266	#
7)	Aldrin	7.170	7.617	2138840	1694365	0.622	0.482	
8)	Heptachlo...	7.632	8.060	22971535	8497164	7.284	2.568	#
9)	trans-Chl...	7.722	8.183	351.0E6	425.6E6	108.947	126.257	
10)	cis-Chlor...	7.817	8.291	336.8E6	362.3E6	106.832	111.731	
11)	Endosulfa...	7.939	8.358	9047553	6642669	3.120	2.207	#
12)	4,4'-DDE	7.851	8.388	8835394	8449373	2.566	2.404	
13)	Dieldrin	8.112	8.543	11251478	38528753	3.547	11.714	#
14)	Endrin	8.288	8.744f	60367455	17439283	23.335	7.071	#
15)	4,4'-DDD	8.288	8.814	60367455	64516525	22.304	22.835	
16)	Endosulfa...	8.429	8.904	7543092	8645624	2.998	3.237	
17)	4,4'-DDT	8.498	9.028	1986448	6110537	0.810	2.576	#
18)	Endrin Al...	8.745	9.122f	1947317	2219589	BelowCal	0.535	
19)	Endosulfa...	9.036	9.328	4037915	635361	1.614	0.238	#
20)	Methoxychlor	8.816	9.506	2088796	426840	1.670	0.324	#
21)	Endrin Ke...	9.227	9.747	462869	3245796	0.155	0.897	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	6.058	6.488f	197306	750239	0.061	0.209	#
25)	Oxychlordane	7.580f	7.989	68978040	5136616	25.015	1.747	#
26)	2,4'-DDE	7.632	8.156	22971535	8488318	10.278	3.652	#
27)	trans-Non...	7.817	8.249	336.8E6	312.7E6	105.951	92.983	
28)	2,4'-DDD	8.003	8.543	9900783	38528753	5.225	19.905	#
29)	2,4'-DDT	8.158f	8.744	26856648	17439283	13.316	8.288	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:01
Operator : MJB
Sample : 1B22071-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:52 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

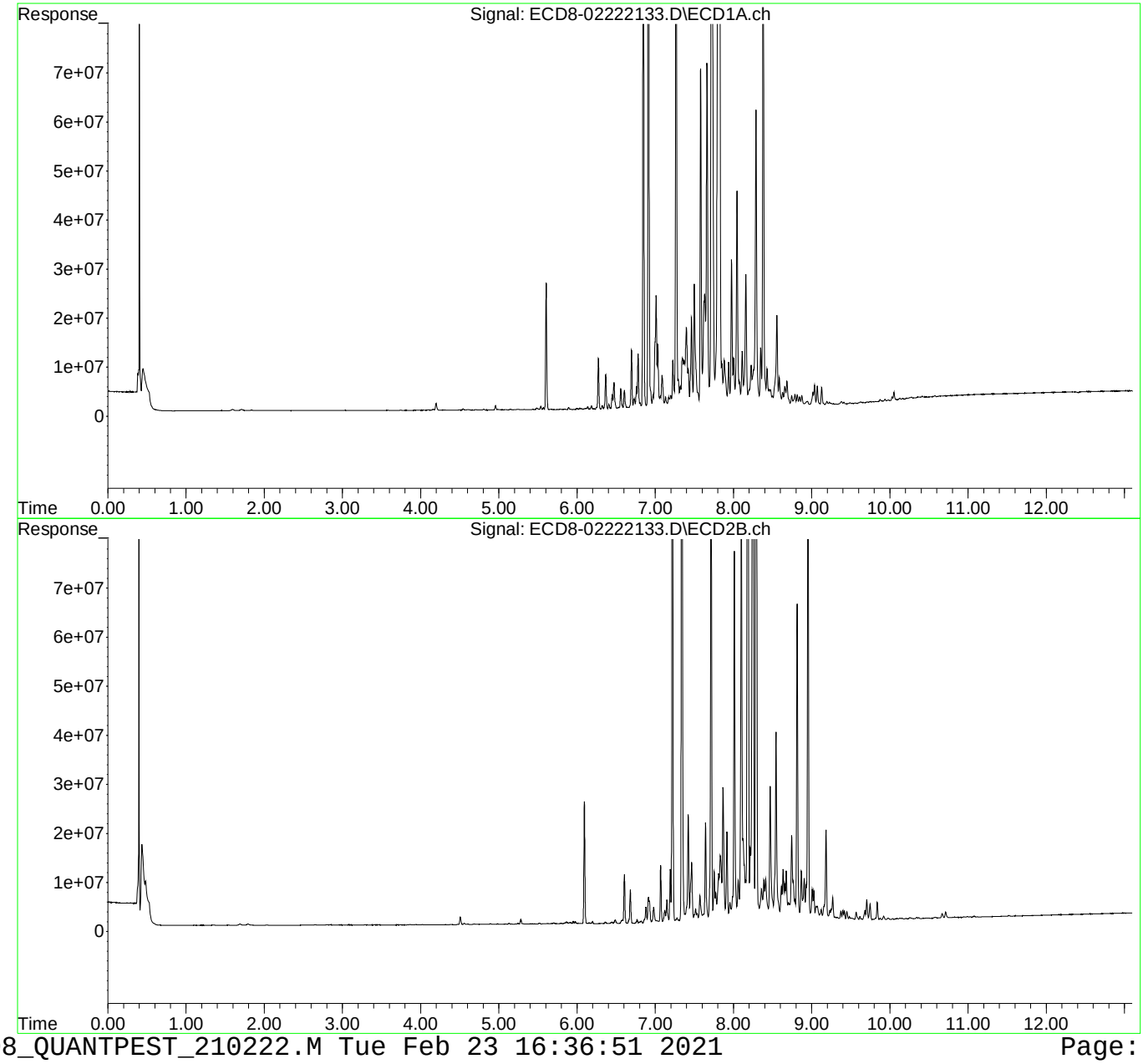
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.814	60367455	64516525	17.990	17.976	
31)	Mirex	8.947	9.747	721917	3245796	0.186	1.300	#
32)	Chlordane...	7.722	8.183	351.0E6	425.6E6	1003.357	1054.573	
33)	Chlordane...	7.817	8.291	336.8E6	362.3E6	968.739	1073.760	
34)	Chlordane...	8.380	8.953	108.2E6	113.4E6	1026.012	1043.582	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.817	8.543f	336.8E6	38528753	BelowCal	1215.482	
37)	Toxaphene...	8.112	8.868	11251478	10217687	360.287	264.732	#
38)	Toxaphene...	8.429	8.904	7543092	8645624	130.682	149.689	
39)	Toxaphene...	8.656	8.953	3822739	113.4E6	60.601	1180.835	#
40)	Toxaphene...	8.874f	9.122f	1877400	2219589	39.510	37.679	
41)	Toxaphene...	8.947f	9.506f	721917	426840	13.401	7.435	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:01
Operator : MJB
Sample : 1B22071-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:27:52 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:17
Operator : MJB
Sample : 1B22071-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:02 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.673	6.026f	270546	151130	0.084	0.044	#
22)	S	DCBP (S)	9.934f	10.610	963418	94955	0.194	BelowCal	#
		Target Compounds							
2)		a-BHC	6.218	6.680f	304232	13532934	0.071	2.986	#
3)		g-BHC	6.525	6.978	631531	6224302	0.174	1.594	#
4)		b-BHC	6.604	7.023	7806777	837678	4.992	0.324	#
5)		Heptachlor	6.913	7.340	318.3E6	362.6E6	92.824	98.323	
6)		d-BHC	6.759	7.279	8774534	1869984	2.599	0.507	#
7)		Aldrin	7.170	7.614	4256462	3155360	1.238	0.897	#
8)		Heptachlo...	7.632	8.059	46903697	17398550	14.872	5.258	#
9)		trans-Chl...	7.720	8.182	732.3E6	925.9E6	227.316	274.666	
10)		cis-Chlor...	7.817	8.290	687.0E6	736.8E6	217.936	227.239	
11)		Endosulfa...	7.937	8.357	18270030	13701753	6.300	4.552	#
12)		4,4'-DDE	7.881	8.388	19536987	17083482	5.674	4.861	
13)		Dieldrin	8.109	8.543	22784795	81228794	7.183	24.696	#
14)		Endrin	8.286	8.787f	119.6E6	9326088	46.237	3.802	#
15)		4,4'-DDD	8.286	8.813	119.6E6	135.0E6	44.195	47.766	
16)		Endosulfa...	8.428	8.903	15158741	17745477	6.024	6.645	
17)		4,4'-DDT	8.497	9.026	3849475	12484751	1.570	5.276	#
18)		Endrin Al...	8.743	9.120f	3884549	4520777	0.536	1.495	#
19)		Endosulfa...	9.034	9.326	7691594	1460177	3.075	0.547	#
20)		Methoxychlor	8.814	9.505	4454635	943189	3.561	0.717	#
21)		Endrin Ke...	9.247	9.746	501264	6258349	0.168	2.025	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	6.059	6.488f	308481	1323249	0.095	0.368	#
25)		Oxychlordane	7.579f	7.987	141.4E6	10158116	51.289	3.455	#
26)		2,4'-DDE	7.632	8.155	46903697	17015248	20.987	7.320	#
27)		trans-Non...	7.817	8.248	687.0E6	646.4E6	216.139	192.194	
28)		2,4'-DDD	8.001	8.543	19574943	81228794	10.331	41.409	#
29)		2,4'-DDT	8.156f	8.743f	58959688	39430300	29.232	18.739	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:17
Operator : MJB
Sample : 1B22071-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:02 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

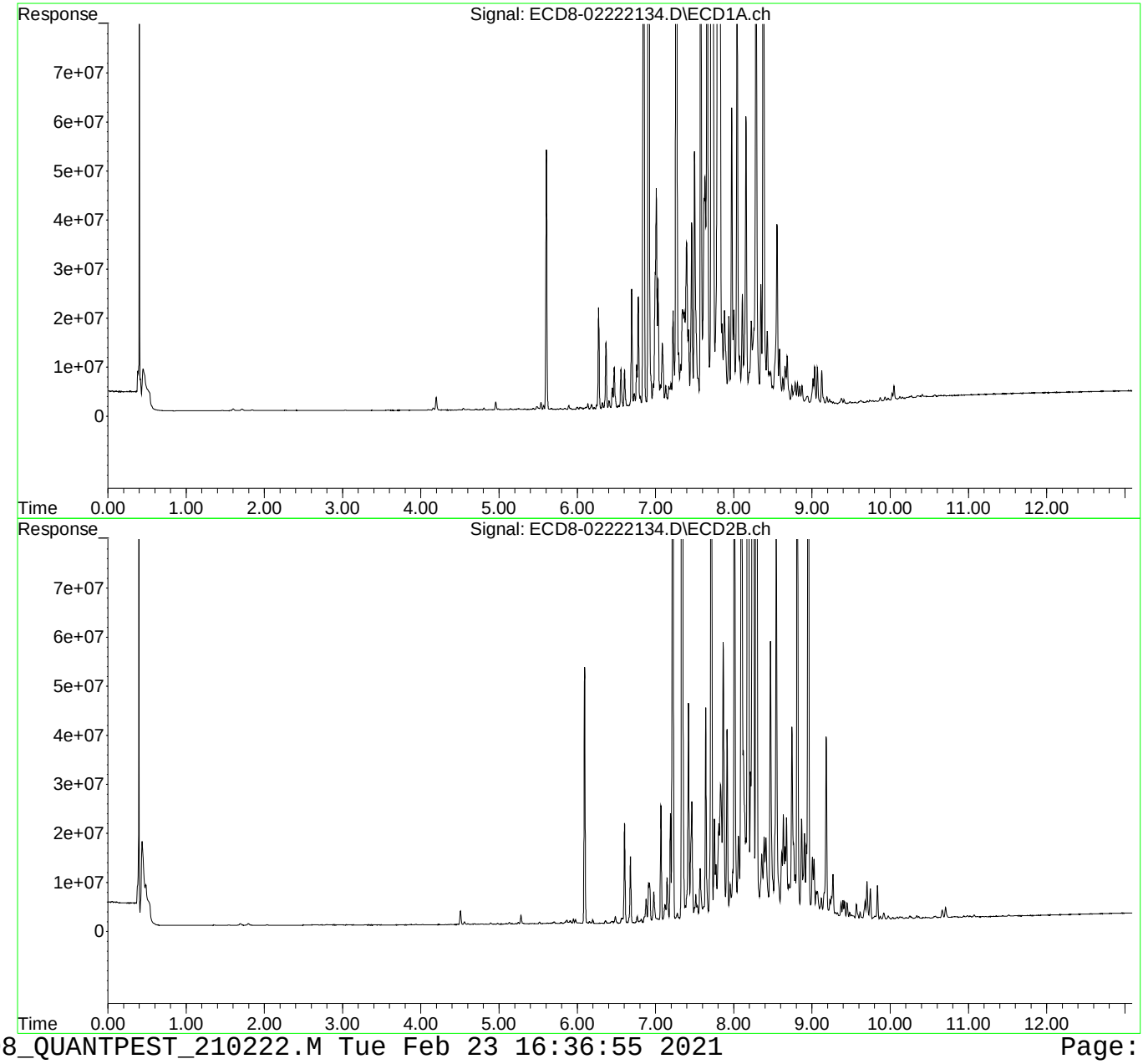
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.286	8.813	119.6E6	135.0E6	35.646	37.602	
31)	Mirex	8.944	9.746	1657925	6258349	0.658	2.910	#
32)	Chlordane...	7.720	8.182	732.3E6	925.9E6	2093.474	2294.180	
33)	Chlordane...	7.817	8.290	687.0E6	736.8E6	1976.217	2183.826	
34)	Chlordane...	8.380	8.952	216.8E6	230.2E6	2055.207	1948.198	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.817	8.543f	687.0E6	81228794	BelowCal	2562.558	
37)	Toxaphene...	8.109	8.868	22784795	20685502	755.650	535.945	#
38)	Toxaphene...	8.428	8.903	15158741	17745477	262.620	307.242	
39)	Toxaphene...	8.656	8.952	7770383	230.2E6	123.181	2234.676	#
40)	Toxaphene...	8.873f	9.120f	3862914	4520777	81.295	80.669	
41)	Toxaphene...	8.944f	9.533	1657925	753465	30.776	13.125	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:17
Operator : MJB
Sample : 1B22071-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:02 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:38
Operator : MJB
Sample : 1B22071-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	6.051	0	47126	N.D.	0.014	#
22) S	DCBP (S)	9.925	10.611	148451	43228	1931.264	BelowCal	#
	Target Compounds							
2)	a-BHC	6.217	6.650	46906	76105	0.011	0.017	#
3)	g-BHC	6.516	6.956	42459	83148	0.012	0.021	#
4)	b-BHC	6.605	7.022	39101	94747	0.025	BelowCal	#
5)	Heptachlor	6.914	7.332	49904	77371	0.015	0.021	#
6)	d-BHC	6.753	7.288	47942	128233	0.014	0.025	#
7)	Aldrin	7.160	7.625	131433	541180	0.038	0.154	#
8)	Heptachlo...	7.638	8.043	447493	888022	0.142	0.268	#
9)	trans-Chl...	7.706	8.167	910069	1168131	0.283	0.347	
10)	cis-Chlor...	7.806	8.272	1440138	1204578	0.457	0.372	
11)	Endosulfa...	7.934	8.352	1852766	1380284	0.639	0.459	#
12)	4,4'-DDE	7.852	8.381	1121325	1567501	0.326	0.446	#
13)	Dieldrin	8.102	8.520f	2964252	3106543	0.935	0.944	
14)	Endrin	8.285	8.765	3810039	3451009	1.473	1.413	
15)	4,4'-DDD	8.299	8.818	3394728	2045633	1.254	0.724	#
16)	Endosulfa...	8.424	8.905	5609870	5410474	2.229	2.026	
17)	4,4'-DDT	8.498	9.034	4913679	2290780	2.004	0.946	#
18)	Endrin Al...	8.711	9.151	3772796	5204230	0.482	1.780	#
19)	Endosulfa...	9.033	9.349	2226141	2130875	0.890	0.798	
20)	Methoxychlor	8.821	9.484	3237308	2526505	2.588	1.920	#
21)	Endrin Ke...	9.223	9.732	1340919	540719	0.450	BelowCal	#
23)	Hexachlor...	3.461	3.768	207037	245021	0.060	0.061	
24)	Hexachlor...	6.062	6.518	189227	280691	0.058	0.078	#
25)	Oxychlordane	7.554	7.958	1123231	765937	0.407	0.261	#
26)	2,4'-DDE	7.603	8.167	639927	1168131	0.286	0.503	#
27)	trans-Non...	7.806	8.229	1440138	1555019	0.453	0.462	
28)	2,4'-DDD	8.024f	8.520f	1975673	3106543	1.043	1.499	#
29)	2,4'-DDT	8.166	8.765	2916935	3451009	1.446	1.640	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:38
Operator : MJB
Sample : 1B22071-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

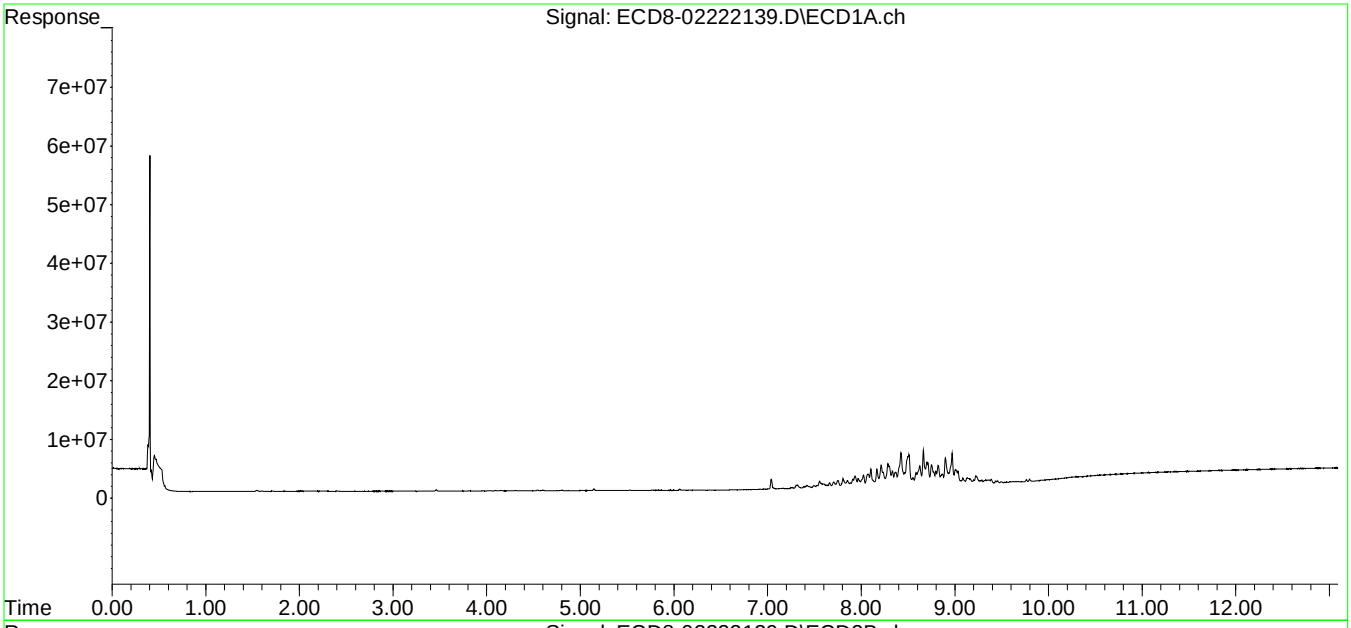
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.285	8.818	3810039	2045633	1.135	0.570	#
31)	Mirex	8.970	9.732	5305290	540719	2.497	BelowCal	#
32)	Chlordane...	7.706	8.167	910069	1168131	2.602	2.894	
33)	Chlordane...	7.806	8.272	1440138	1204578	4.143	3.570	
34)	Chlordane...	8.369	8.973f	2314286	9030733	21.937	81.596	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.806	8.520	1440138	3106543	97.270	98.003	
37)	Toxaphene...	8.102	8.872	2964252	3725171	92.386	96.516	
38)	Toxaphene...	8.424	8.905	5609870	5410474	97.189	93.676	
39)	Toxaphene...	8.663	8.973	5961327	9030733	94.503	98.356	
40)	Toxaphene...	8.898	9.151	4547161	5204230	95.695	93.403	
41)	Toxaphene...	8.970	9.529	5305290	5401052	98.481	94.084	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

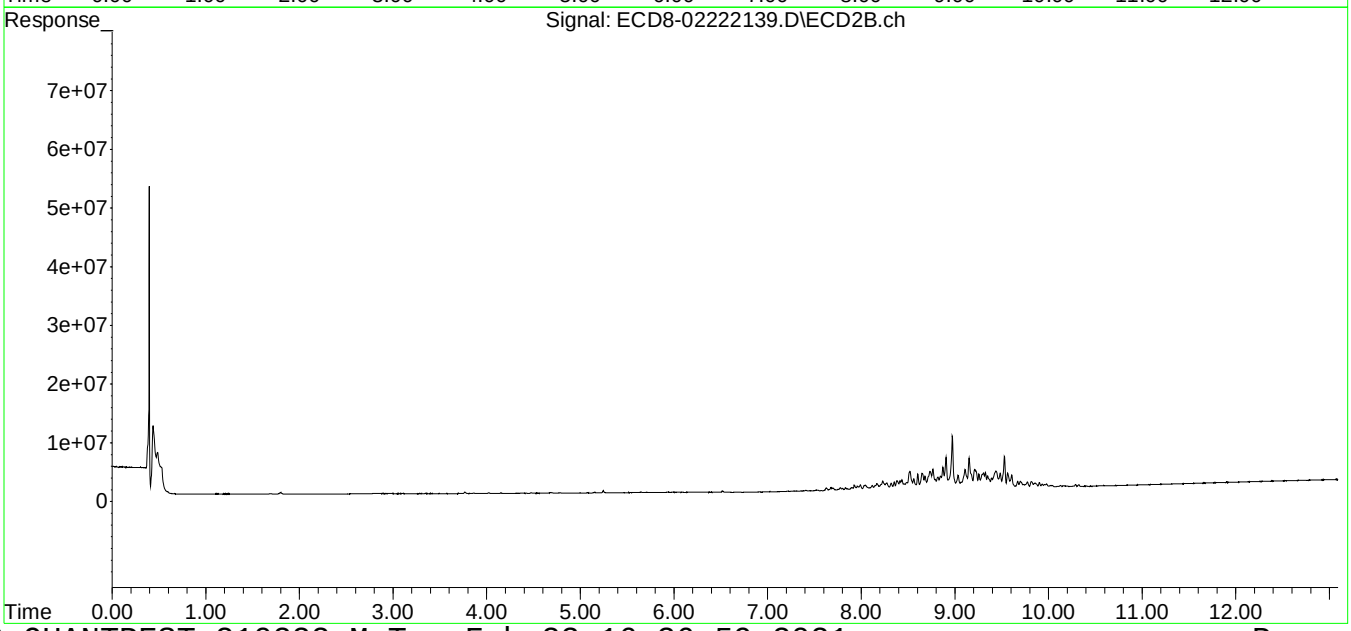
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:38
Operator : MJB
Sample : 1B22071-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:54
Operator : MJB
Sample : 1B22071-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.678	6.053	14057	58971	0.004	0.017	#
22) S	DCBP (S)	9.920	10.606	180724	66792	1931.248	BelowCal	#
	Target Compounds							
2)	a-BHC	6.225	6.652	51152	61101	0.012	0.013	
3)	g-BHC	6.513	6.958	42015	98290	0.012	0.025	#
4)	b-BHC	6.574	7.020	35030	121198	0.022	BelowCal	#
5)	Heptachlor	6.920	7.352	145497	245229	0.042	0.067	#
6)	d-BHC	6.752	7.284	97662	237898	0.029	0.056	#
7)	Aldrin	7.160	7.626f	283018	788992	0.082	0.224	#
8)	Heptachlo...	7.634	8.042	924974	1849563	0.293	0.559	#
9)	trans-Chl...	7.702	8.166	1555259	2137311	0.483	0.634	#
10)	cis-Chlor...	7.803	8.271	2647827	2252086	0.840	0.695	
11)	Endosulfa...	7.932	8.351	3780285	2632589	1.304	0.875	#
12)	4,4'-DDE	7.882	8.379	1416189	3026330	0.411	0.861	#
13)	Dieldrin	8.101	8.559	5861871	3529947	1.848	1.073	#
14)	Endrin	8.282	8.763	7496394	6709095	2.898	2.740	
15)	4,4'-DDD	8.297	8.817	6728604	3943146	2.486	1.396	#
16)	Endosulfa...	8.422	8.903	11217355	10793321	4.458	4.041	
17)	4,4'-DDT	8.495	9.033	10064145	4512853	4.105	1.896	#
18)	Endrin Al...	8.710	9.150	7595674	10608715	2.336	4.031	#
19)	Endosulfa...	9.030	9.348	4713860	4289639	1.885	1.607	
20)	Methoxychlor	8.819	9.482	6697714	5090152	5.354	3.869	#
21)	Endrin Ke...	9.222	9.772f	2905022	2044693	0.975	0.446	#
23)	Hexachlor...	3.464	3.772	18936	28124	0.005	0.007	#
24)	Hexachlor...	6.058	6.529	1235550	72547	0.379	0.020	#
25)	Oxychlordane	7.554	7.988	1967018	1971114	0.713	0.670	
26)	2,4'-DDE	7.600	8.166	1235977	2137311	0.553	0.919	#
27)	trans-Non...	7.803	8.228	2647827	2867424	0.833	0.853	
28)	2,4'-DDD	8.022f	8.559	4097673	3529947	2.163	1.722	
29)	2,4'-DDT	8.164	8.763	5911010	6709095	2.931	3.188	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:54
Operator : MJB
Sample : 1B22071-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

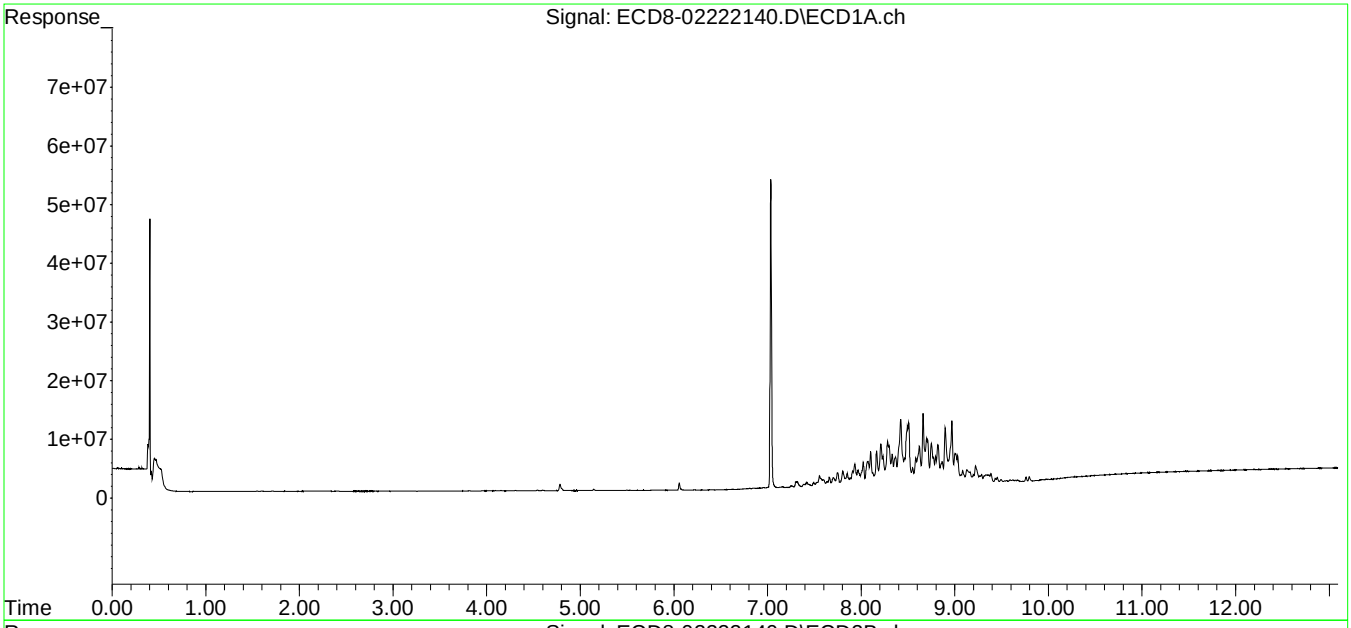
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.282	8.817	7496394	3943146	2.234	1.099	#
31)	Mirex	8.968	9.697f	10682954	2287156	5.208	0.787	#
32)	Chlordane...	7.702	8.166	1555259	2137311	4.446	5.296	
33)	Chlordane...	7.803	8.271	2647827	2252086	7.617	6.675	
34)	Chlordane...	8.367	8.972	4739444	17925372	44.926	171.633	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.803	8.518	2647827	6044247	180.618	190.680	
37)	Toxaphene...	8.101	8.870	5861871	7397244	184.665	191.657	
38)	Toxaphene...	8.422	8.903	11217355	10793321	194.337	186.874	
39)	Toxaphene...	8.661	8.972	12057055	17925372	191.136	197.495	
40)	Toxaphene...	8.897	9.150	9534372	10608715	200.650	193.550	
41)	Toxaphene...	8.968	9.527	10682954	10797928	198.305	188.095	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:54
Operator : MJB
Sample : 1B22071-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:28:51 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:10
Operator : MJB
Sample : 1B22071-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.673	6.043	8511	61282	0.003	0.018	#
22) S	DCBP (S)	9.920	10.589	355839	331156	1931.161	0.016	#
	Target Compounds							
2)	a-BHC	6.225	6.651	78947	80969	0.019	0.018	
3)	g-BHC	6.515	6.978	74543	102799	0.021	0.026	#
4)	b-BHC	6.600	7.022	71288	249576	0.046	BelowCal	#
5)	Heptachlor	6.918	7.331	250494	260194	0.073	0.071	
6)	d-BHC	6.752	7.284	202010	353761	0.060	0.088	#
7)	Aldrin	7.162	7.636f	738566	1165265	0.215	0.331	#
8)	Heptachlo...	7.635	8.042	2512005	3973608	0.797	1.201	#
9)	trans-Chl...	7.702	8.167	3925989	4831491	1.219	1.433	
10)	cis-Chlor...	7.803	8.272	6980111	5371618	2.214	1.657	#
11)	Endosulfa...	7.931	8.350	9937836	6383331	3.427	2.121	#
12)	4,4'-DDE	7.883	8.379	3732973	7283611	1.084	2.072	#
13)	Dieldrin	8.100	8.559	15291283	8673327	4.821	2.637	#
14)	Endrin	8.283	8.763	20237560	17316098	7.823	7.021	
15)	4,4'-DDD	8.297	8.817	17623128	10250931	6.511	3.628	#
16)	Endosulfa...	8.422	8.904	29730815	28462823	11.815	10.657	
17)	4,4'-DDT	8.494	9.034	26393650	11578147	10.766	4.894	#
18)	Endrin Al...	8.709	9.151	20322178	27907934	8.470	11.212	#
19)	Endosulfa...	9.031	9.348	12560852	11099632	5.022	4.159	
20)	Methoxychlor	8.820	9.483	17989176	13105047	14.380	9.960	#
21)	Endrin Ke...	9.222	9.773f	7415321	5485155	2.489	1.736	#
23)	Hexachlor...	0.000	3.779	0	46172	N.D.	0.012	#
24)	Hexachlor...	6.063	6.511	24510	34281	0.008	0.010	#
25)	Oxychlordane	7.556	7.957	5024564	3138410	1.822	1.068	#
26)	2,4'-DDE	7.598	8.167	3271772	4831491	1.464	2.079	#
27)	trans-Non...	7.803	8.229	6980111	7190850	2.196	2.138	
28)	2,4'-DDD	8.021f	8.559	10763819	8673327	5.681	4.427	
29)	2,4'-DDT	8.165	8.763	15384351	17316098	7.628	8.229	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:10
Operator : MJB
Sample : 1B22071-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

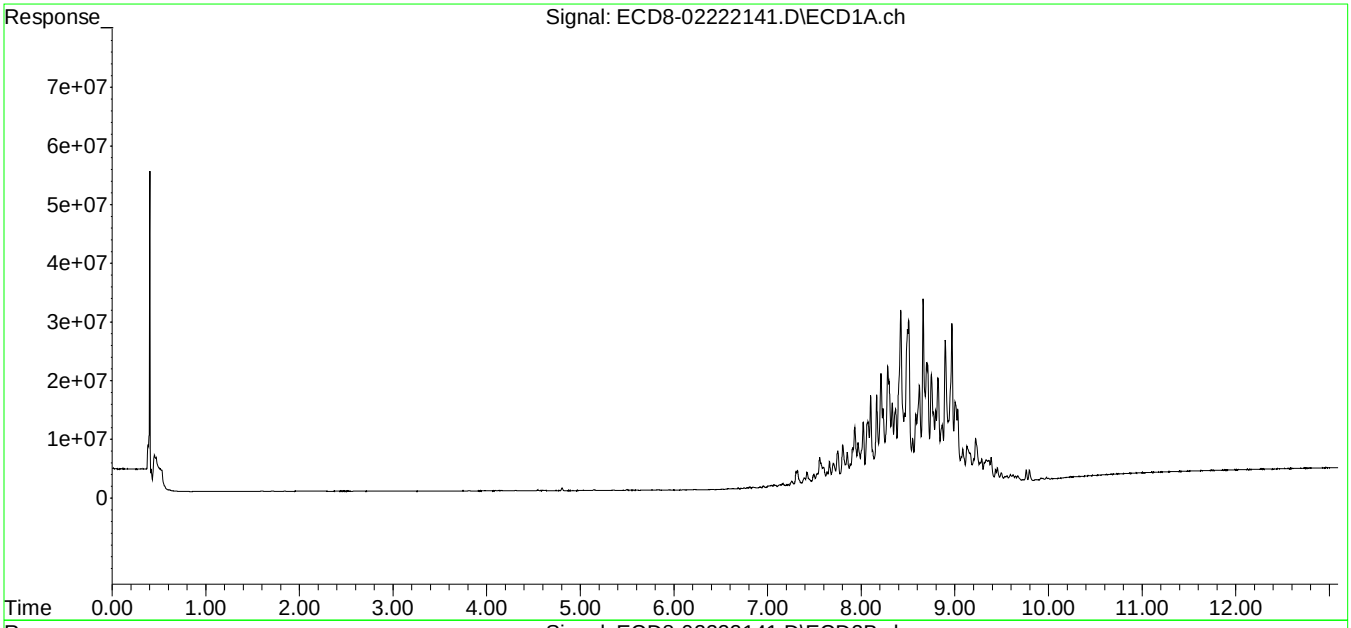
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.283	8.817	20237560	10250931	6.031	2.856	#
31)	Mirex	8.968	9.698f	27178501	6030895	13.530	2.788	#
32)	Chlordane...	7.702	8.167	3925989	4831491	11.224	11.971	
33)	Chlordane...	7.803	8.272	6980111	5371618	20.080	15.922	
34)	Chlordane...	8.367	8.972f	12896314	47556533	122.246	459.376	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.803	8.519	6980111	15136847	487.670	477.528	
37)	Toxaphene...	8.100	8.871	15291283	19246533	495.567	498.663	
38)	Toxaphene...	8.422	8.904	29730815	28462823	515.077	492.800	
39)	Toxaphene...	8.661	8.972	31451895	47556533	498.596	517.621	
40)	Toxaphene...	8.897	9.151	24329694	27907934	512.017	507.859	
41)	Toxaphene...	8.968	9.528	27178501	28324396	504.507	493.399	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

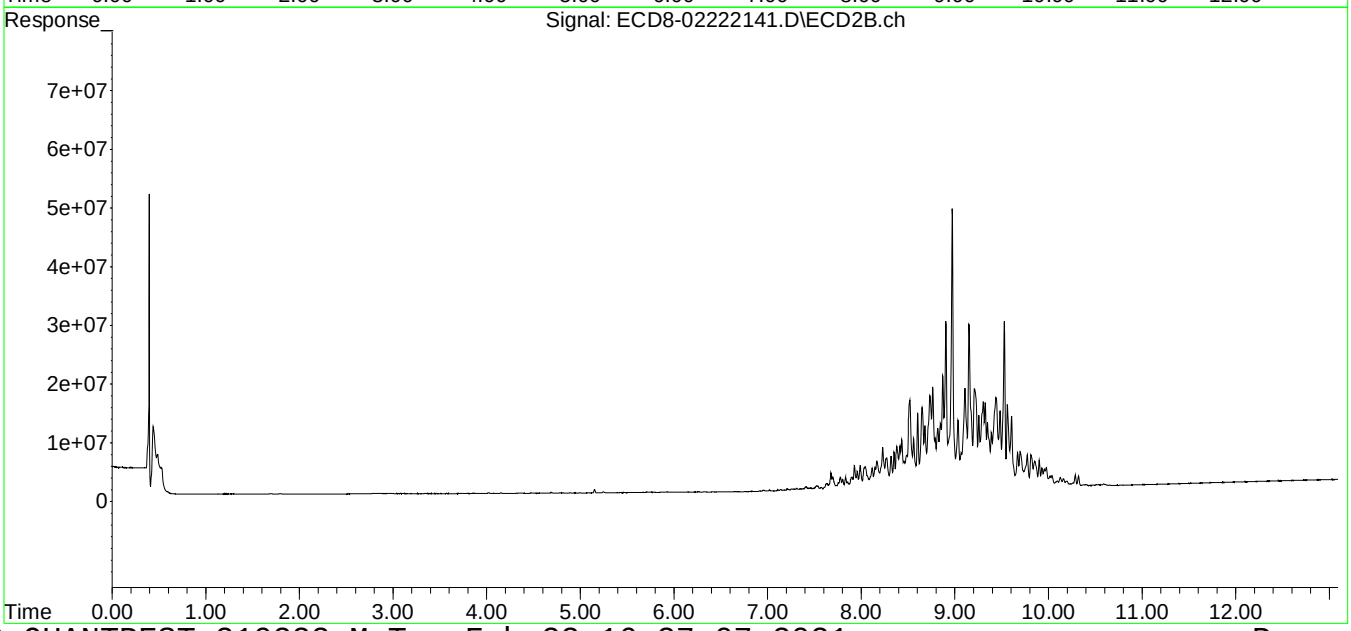
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:10
Operator : MJB
Sample : 1B22071-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:27
Operator : MJB
Sample : 1B22071-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:09 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.060	33553	43706	0.010	0.013	
22) S	DCBP (S)	9.921	10.593	751796	877425	0.089	0.333	#
	Target Compounds							
2)	a-BHC	6.225	6.650	163672	146964	0.038	0.032	
3)	g-BHC	6.515	6.956	172005	399627	0.047	0.102	#
4)	b-BHC	6.599	7.021	166137	494788	0.106	0.111	
5)	Heptachlor	6.921	7.350	489413	726549	0.143	0.197	#
6)	d-BHC	6.751	7.283	373760	631170	0.111	0.165	#
7)	Aldrin	7.160	7.635f	1438326	2055634	0.418	0.584	#
8)	Heptachlo...	7.633	8.041	4715098	7517985	1.495	2.272	#
9)	trans-Chl...	7.699f	8.166	7308830	9407517	2.269	2.791	
10)	cis-Chlor...	7.802	8.269	13651040	10204274	4.331	3.147	#
11)	Endosulfa...	7.930	8.350	19063734	12549436	6.574	4.170	#
12)	4,4'-DDE	7.883	8.378	6969743	14367775	2.024	4.088	#
13)	Dieldrin	8.100	8.559	29130086	17027145	9.184	5.177	#
14)	Endrin	8.283	8.763	40760393	35539020	15.756	14.248	
15)	4,4'-DDD	8.297	8.817	35877598	21013724	13.256	7.438	#
16)	Endosulfa...	8.422	8.904	60329371	58691222	23.974	21.976	
17)	4,4'-DDT	8.496	9.034	54725829	24178669	22.324	10.162	#
18)	Endrin Al...	8.710	9.151	41808725	57570149	18.699	23.440	#
19)	Endosulfa...	9.032	9.348	26230761	23641806	10.487	8.859	
20)	Methoxychlor	8.820	9.483	37692831	27749559	30.130	21.091	#
21)	Endrin Ke...	9.221	9.773f	16366483	12236808	5.494	4.251	
23)	Hexachlor...	3.431f	3.780	6664	44195	0.002	0.011	#
24)	Hexachlor...	6.064	6.516	43250	65857	0.013	0.018	#
25)	Oxychlordane	7.555	7.988	9505663	7689779	3.447	2.616	
26)	2,4'-DDE	7.633	8.166	4715098	9407517	2.110	4.047	#
27)	trans-Non...	7.802	8.228f	13651040	13909851	4.295	4.136	
28)	2,4'-DDD	8.021f	8.559	20823021	17027145	10.989	8.797	
29)	2,4'-DDT	8.164	8.763	31442306	35539020	15.589	16.889	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:27
Operator : MJB
Sample : 1B22071-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:09 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

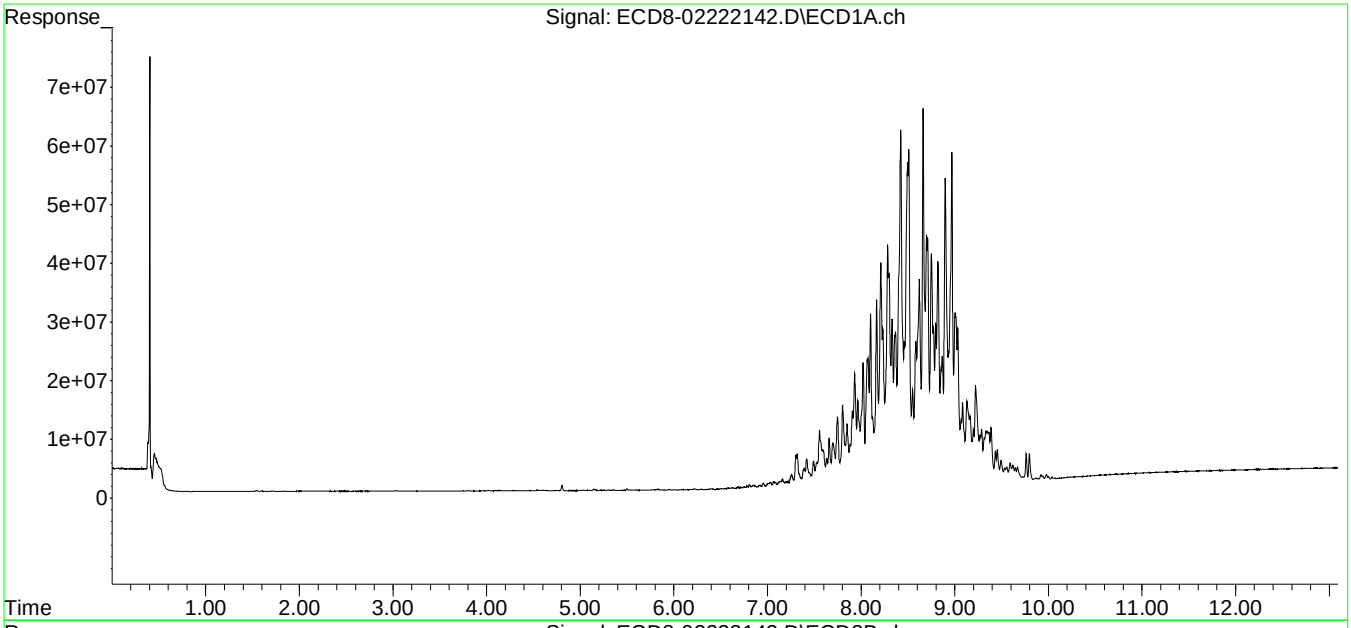
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.283	8.817	40760393	21013724	12.147	5.855	#
31)	Mirex	8.968	9.698f	56217871	12814284	28.196	6.397	#
32)	Chlordane...	7.699f	8.166	7308830	9407517	20.895	23.309	
33)	Chlordane...	7.802	8.269f	13651040	10204274	39.270	30.246	
34)	Chlordane...	8.366	8.973f	25879889	99263208	245.319	923.875	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.802	8.518	13651040	30688803	988.397	968.152	
37)	Toxaphene...	8.100	8.871	29130086	39895889	986.320	1033.671	
38)	Toxaphene...	8.422	8.904	60329371	58691222	1045.187	1016.169	
39)	Toxaphene...	8.661	8.973	63797261	99263208	1011.356	1043.656	
40)	Toxaphene...	8.897	9.151	51870061	57570149	1091.603	1026.461	
41)	Toxaphene...	8.968	9.528	56217871	60678193	1043.557	1056.988	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

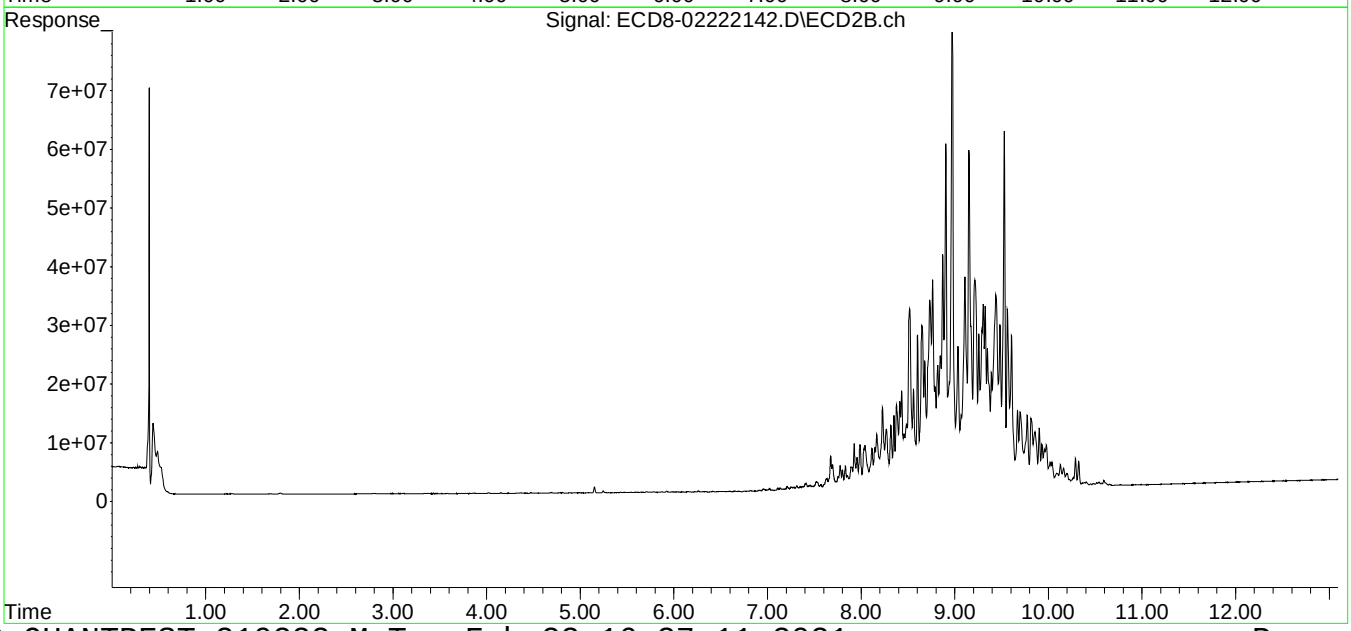
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:27
Operator : MJB
Sample : 1B22071-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:09 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:43
Operator : MJB
Sample : 1B22071-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	60329	60469	0.019	0.018	
22) S	DCBP (S)	9.918	10.588	1814882	1940280	0.616	0.952	#
	Target Compounds							
2)	a-BHC	6.224	6.650	286286	254779	0.067	0.056	
3)	g-BHC	6.514	6.956	300783	752699	0.083	0.193	#
4)	b-BHC	6.598	7.021	328123	879856	0.210	0.351	#
5)	Heptachlor	6.915	7.350	963683	1347522	0.281	0.365	#
6)	d-BHC	6.751	7.281	732480	1112470	0.217	0.298	#
7)	Aldrin	7.160	7.624	2669134	3258117	0.776	0.926	
8)	Heptachlo...	7.633	8.041	8886811	14132898	2.818	4.271	#
9)	trans-Chl...	7.697f	8.165	13776290	18013296	4.276	5.343	
10)	cis-Chlor...	7.801	8.265f	26160089	18775836	8.299	5.791	#
11)	Endosulfa...	7.929	8.350	36349701	23772335	12.535	7.898	#
12)	4,4'-DDE	7.882	8.378	13353043	27890027	3.878	7.935	#
13)	Dieldrin	8.098	8.558	54599876	32548761	17.213	9.896	#
14)	Endrin	8.281	8.762	77935050	70610227	30.126	27.731	
15)	4,4'-DDD	8.281	8.816	77935050	40849273	28.795	14.458	#
16)	Endosulfa...	8.420	8.903	114.6E6	114.6E6	45.555	42.920	
17)	4,4'-DDT	8.494	9.032	103.8E6	48542227	42.357	20.079	#
18)	Endrin Al...	8.709	9.150	80812377	115.5E6	36.883	47.035	#
19)	Endosulfa...	9.029	9.347	51576599	47584032	20.621	17.830	
20)	Methoxychlor	8.818	9.482	73613330	56609277	58.843	43.026	#
21)	Endrin Ke...	9.219	9.771f	32496540	24887469	10.909	8.912	
23)	Hexachlor...	3.461	3.771	74721	76070	0.021	0.019	
24)	Hexachlor...	6.063	6.518	96187	116514	0.030	0.032	
25)	Oxychlordane	7.554	7.987	17904755	14896064	6.493	5.067	
26)	2,4'-DDE	7.633	8.165	8886811	18013296	3.976	7.749	#
27)	trans-Non...	7.801	8.265	26160089	18775836	8.231	5.583	#
28)	2,4'-DDD	8.020f	8.558	39315965	32548761	20.749	16.835	
29)	2,4'-DDT	8.163	8.762	58452397	70610227	28.981	33.556	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:43
Operator : MJB
Sample : 1B22071-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

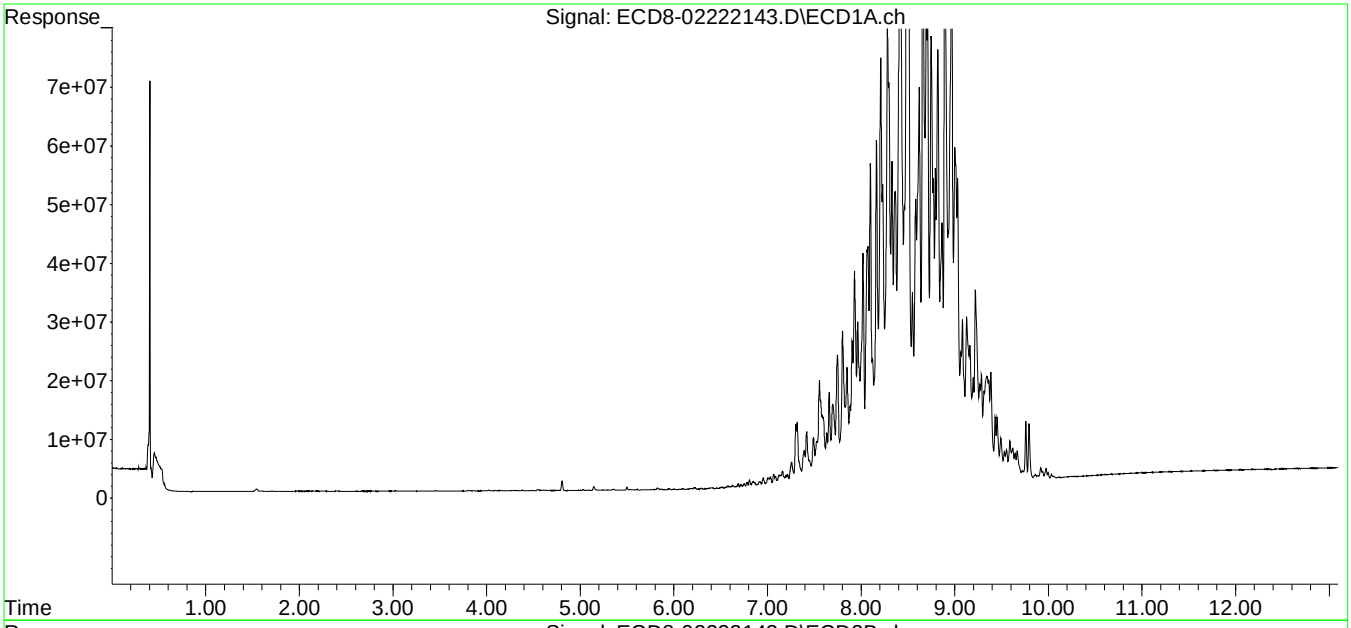
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.281	8.816	77935050	40849273	23.225	11.382	#
31)	Mirex	8.967	9.696f	108.3E6	26040082	54.570	13.375	#
32)	Chlordane...	7.697f	8.165	13776290	18013296	39.384	44.631	
33)	Chlordane...	7.801	8.265f	26160089	18775836	75.255	55.652	#
34)	Chlordane...	8.363	8.938	49530173	35935641	469.503	348.637	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.801	8.517	26160089	60754066	2048.276	1916.633	
37)	Toxaphene...	8.098	8.869	54599876	77657816	2043.811	2012.053	
38)	Toxaphene...	8.420	8.903	114.6E6	114.6E6	1986.042	1984.625	
39)	Toxaphene...	8.659	8.971	124.1E6	197.3E6	1967.801	1951.264	
40)	Toxaphene...	8.895	9.150	99913254	115.5E6	2102.669	1976.740	
41)	Toxaphene...	8.967	9.527	108.3E6	124.6E6	2011.130	2169.863	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

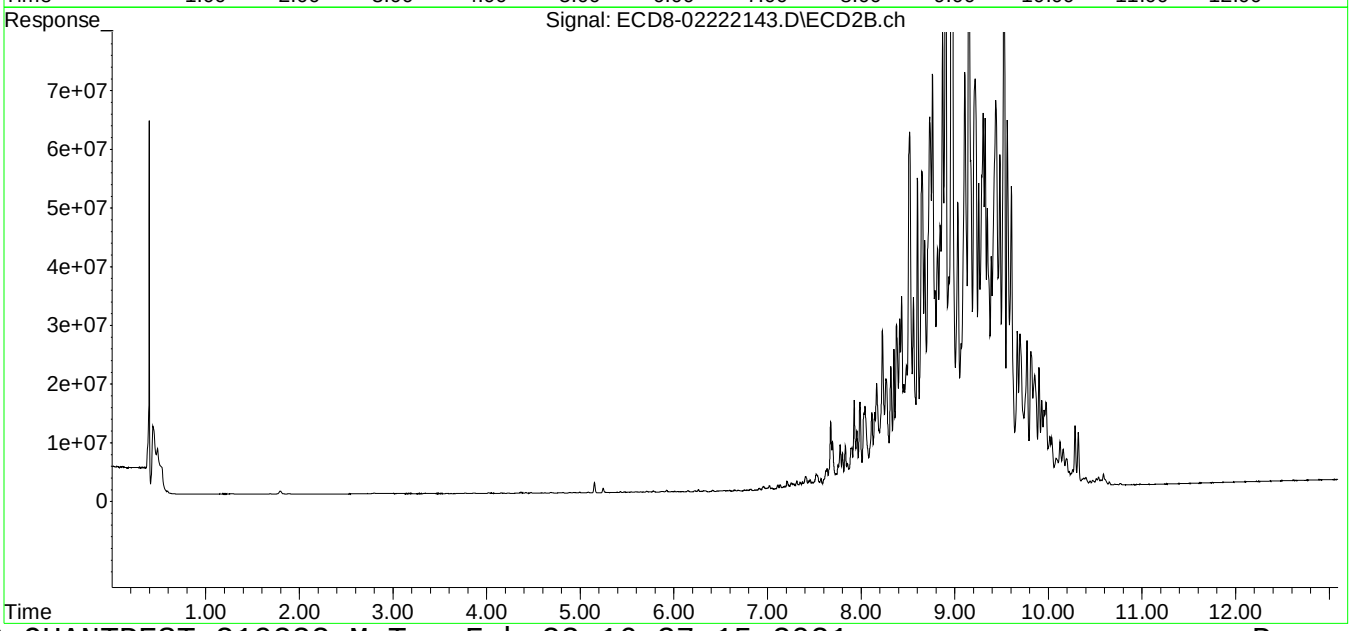
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:43
Operator : MJB
Sample : 1B22071-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:29:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Sequence Name: C:\msdchem\1\sequence\1B22071.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\1\DATA\2021-02\1B22071\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	52	Conditioning Run
Datafile		ECD8-02222101
Method		ECD8_AQUPEST_190925
2) Sample	52	Conditioning Run
Datafile		ECD8-02222102
Method		ECD8_AQUPEST_190925
3) Sample	1	Hexane
Datafile		ECD8-02222103
Method		ECD8_AQUPEST_190925
4) Sample	2	1B22071-BKD1
Datafile		ECD8-02222104
Method		ECD8_AQUPEST_190925
5) Sample	3	1B22071-ICB1
Datafile		ECD8-02222105
Method		ECD8_AQUPEST_190925
6) Sample	4	1B22071-CAL1
Datafile		ECD8-02222106
Method		ECD8_AQUPEST_190925
7) Sample	5	1B22071-CAL2
Datafile		ECD8-02222107
Method		ECD8_AQUPEST_190925
8) Sample	6	1B22071-CAL3
Datafile		ECD8-02222108
Method		ECD8_AQUPEST_190925
9) Sample	7	1B22071-CAL4
Datafile		ECD8-02222109
Method		ECD8_AQUPEST_190925
10) Sample	8	1B22071-CAL5
Datafile		ECD8-02222110
Method		ECD8_AQUPEST_190925
11) Sample	9	1B22071-CAL6
Datafile		ECD8-02222111
Method		ECD8_AQUPEST_190925
12) Sample	10	1B22071-CAL7
Datafile		ECD8-02222112
Method		ECD8_AQUPEST_190925
13) Sample	11	1B22071-CAL8
Datafile		ECD8-02222113
Method		ECD8_AQUPEST_190925
14) Sample	12	1B22071-CAL9

MJB 2/23/21

Last Modified: Tue Feb 23 12:24:34 2021 Page: 1

```
     Datafile          ECD8-02222114
     Method            ECD8_AQUPEST_190925
15) Sample          1  1B22071-IBL1
     Datafile          ECD8-02222115
     Method            ECD8_AQUPEST_190925
16) Sample         13  1B22071-ICV1
     Datafile          ECD8-02222116
     Method            ECD8_AQUPEST_190925
17) Sample         14  1B22071-CALA
     Datafile          ECD8-02222117
     Method            ECD8_AQUPEST_190925
18) Sample         15  1B22071-CALB
     Datafile          ECD8-02222118
     Method            ECD8_AQUPEST_190925
19) Sample         16  1B22071-CALC
     Datafile          ECD8-02222119
     Method            ECD8_AQUPEST_190925
20) Sample         17  1B22071-CALD
     Datafile          ECD8-02222120
     Method            ECD8_AQUPEST_190925
21) Sample         18  1B22071-CALE
     Datafile          ECD8-02222121
     Method            ECD8_AQUPEST_190925
22) Sample         19  1B22071-CALF
     Datafile          ECD8-02222122
     Method            ECD8_AQUPEST_190925
23) Sample         20  1B22071-CALG
     Datafile          ECD8-02222123
     Method            ECD8_AQUPEST_190925
24) Sample         21  1B22071-CALH
     Datafile          ECD8-02222124
     Method            ECD8_AQUPEST_190925
25) Sample         22  1B22071-CALI
     Datafile          ECD8-02222125
     Method            ECD8_AQUPEST_190925
26) Sample          1  1B22071-IBL2
     Datafile          ECD8-02222126
     Method            ECD8_AQUPEST_190925
27) Sample         23  1B22071-ICV2
     Datafile          ECD8-02222127
     Method            ECD8_AQUPEST_190925
28) Sample         24  1B22071-CALJ
     Datafile          ECD8-02222128
     Method            ECD8_AQUPEST_190925
29) Sample         25  1B22071-CALK
     Datafile          ECD8-02222129
     Method            ECD8_AQUPEST_190925
30) Sample         26  1B22071-CALL
     Datafile          ECD8-02222130
     Method            ECD8_AQUPEST_190925
31) Sample         27  1B22071-CALM
     Datafile          ECD8-02222131
     Method            ECD8_AQUPEST_190925
32) Sample         28  1B22071-CALN
     Datafile          ECD8-02222132
     Method            ECD8_AQUPEST_190925
```

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33) Sample        29  1B22071-CALO
     Datafile         ECD8-02222133
     Method           ECD8_AQUPEST_190925
34) Sample        30  1B22071-CALP
     Datafile         ECD8-02222134
     Method           ECD8_AQUPEST_190925
35) Sample         1  1B22071-IBL3
     Datafile         ECD8-02222135
     Method           ECD8_AQUPEST_190925
36) Sample        31  1B22071-ICV3
     Datafile         ECD8-02222136
     Method           ECD8_AQUPEST_190925
37) Sample        32  1B22071-CALQ
     Datafile         ECD8-02222137
     Method           ECD8_AQUPEST_190925
38) Sample        33  1B22071-CALR
     Datafile         ECD8-02222138
     Method           ECD8_AQUPEST_190925
39) Sample        34  1B22071-CALS
     Datafile         ECD8-02222139
     Method           ECD8_AQUPEST_190925
40) Sample        35  1B22071-CALT
     Datafile         ECD8-02222140
     Method           ECD8_AQUPEST_190925
41) Sample        36  1B22071-CALU
     Datafile         ECD8-02222141
     Method           ECD8_AQUPEST_190925
42) Sample        37  1B22071-CALV
     Datafile         ECD8-02222142
     Method           ECD8_AQUPEST_190925
43) Sample        38  1B22071-CALW
     Datafile         ECD8-02222143
     Method           ECD8_AQUPEST_190925
```

Sequence Name: C:\msdchem\1\sequence\1B22071.s

	Line	Type	Vial	DataFile	Method	Sample Name
44)		Sample	1	1B22071-IBL4		
		Datafile		ECD8-02222144		
		Method		ECD8_AQUPEST_190925		
45)		Sample	39	1B22071-ICV4		
		Datafile		ECD8-02222145		
		Method		ECD8_AQUPEST_190925		
46)		Sample	1	Hexane		
		Datafile		ECD8-02222146		
		Method		ECD8_AQUPEST_190925		
47)		Sample	1	Hexane		
		Datafile		ECD8-02222147		
		Method		ECD8_AQUPEST_190925		
48)		Sample	2	~~1B22071-BKD2~~	1B25056-BKD1	
		Datafile		ECD8-02222148		
		Method		ECD8_AQUPEST_190925		
49)		Sample	3	~~1B22071-ICB2~~	1B25056-ICB1	
		Datafile		ECD8-02222149		
		Method		ECD8_AQUPEST_190925		
50)		Sample	4	~~1B22071-CALX~~	1B25056-CAL1	
		Datafile		ECD8-02222150		
		Method		ECD8_AQUPEST_190925		
51)		Sample	5	~~1B22071-CALY~~	1B25056-CAL2	
		Datafile		ECD8-02222151		
		Method		ECD8_AQUPEST_190925		
52)		Sample	6	~~1B22071-CALZ~~	1B25056-CAL3	
		Datafile		ECD8-02222152		
		Method		ECD8_AQUPEST_190925		
53)		Sample	7	~~1B22071-CALAA~~	1B25056-CAL4	
		Datafile		ECD8-02222153		
		Method		ECD8_AQUPEST_190925		
54)		Sample	8	~~1B22071-CALAB~~	1B25056-CAL5	
		Datafile		ECD8-02222154		
		Method		ECD8_AQUPEST_190925		

Sequence exceeded the number of calibration points allowed by element. Sequence 1B25056 was created to enter data into calibration.

Last Modified: Tue Feb 23 12:24:34 2021 Page: 4

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1B22071 BKD1
Data File: ECD8-02222104.D

MJB 2/23/21

First Column Area Counts		Percent Breakdown	
DDE	17813351		
DDD	39586562		
DDT	2200600938	**2.54**	**PASS**
Endrin	1250906289	**10.28**	**PASS**
Endrin Aldehyde	61047206		
Endrin Ketone	82303304		

Second Column Area Counts		Percent Breakdown	
DDE	14683914		
DDD	44027639		
DDT	2358952354	**2.43**	**PASS**
Endrin	1233524118	**10.00**	**PASS**
Endrin Aldehyde	56186164		
Endrin Ketone	80880844		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:10
Operator : MJB
Sample : 1B22071-BKD1
Misc : A20K279
ALS Vial : 2 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 22 19:26:12 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation

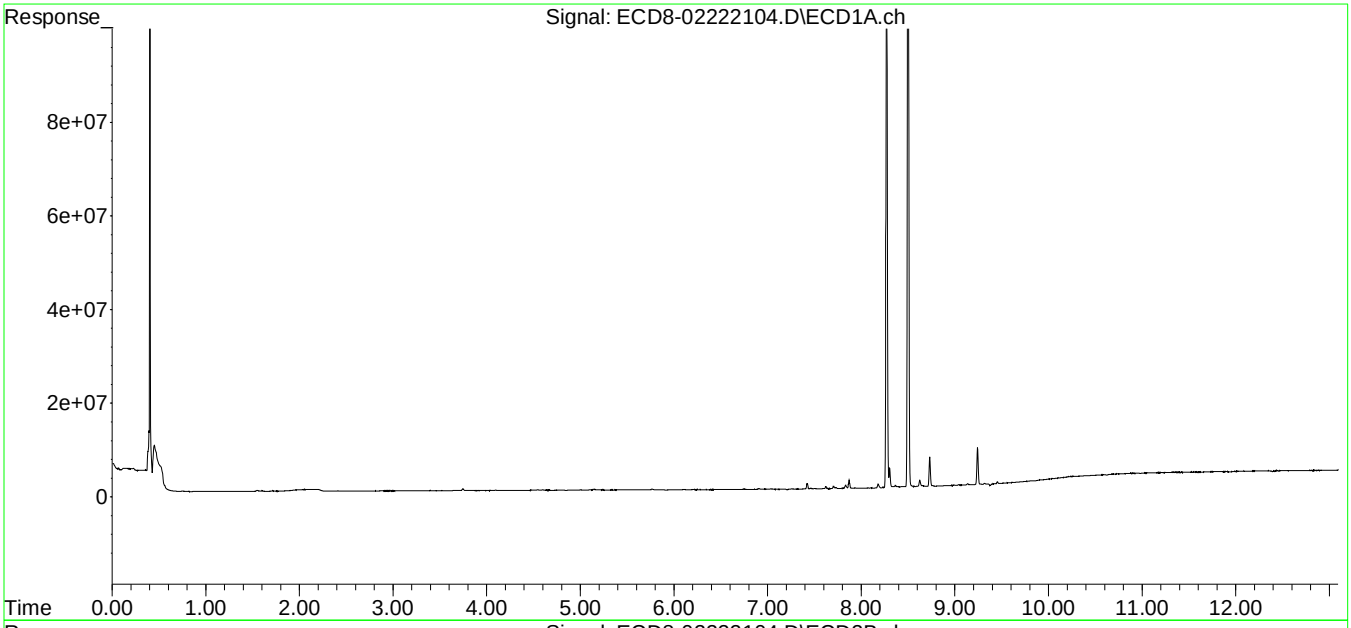
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.870	17813351	NoCal	ng/mL
2)	Endrin	8.271	1250906289	NoCal	ng/mL
3)	4,4'-DDD	8.303	39586562	NoCal	ng/mL
4)	4,4'-DDT	8.500	2200600938	NoCal	ng/mL
5)	Endrin Aldehyde	8.731	61047206	NoCal	ng/mL
6)	Endrin Ketone	9.242	82303304	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.391	14683914	NoCal	ng/mL
9)	Endrin [2C]	8.768	1233524118	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.807	44027639	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	9.151	56186164	NoCal	ng/mL
12)	4,4'-DDT [2C]	9.034	2358952354	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.743	80880844	NoCal	ng/mL

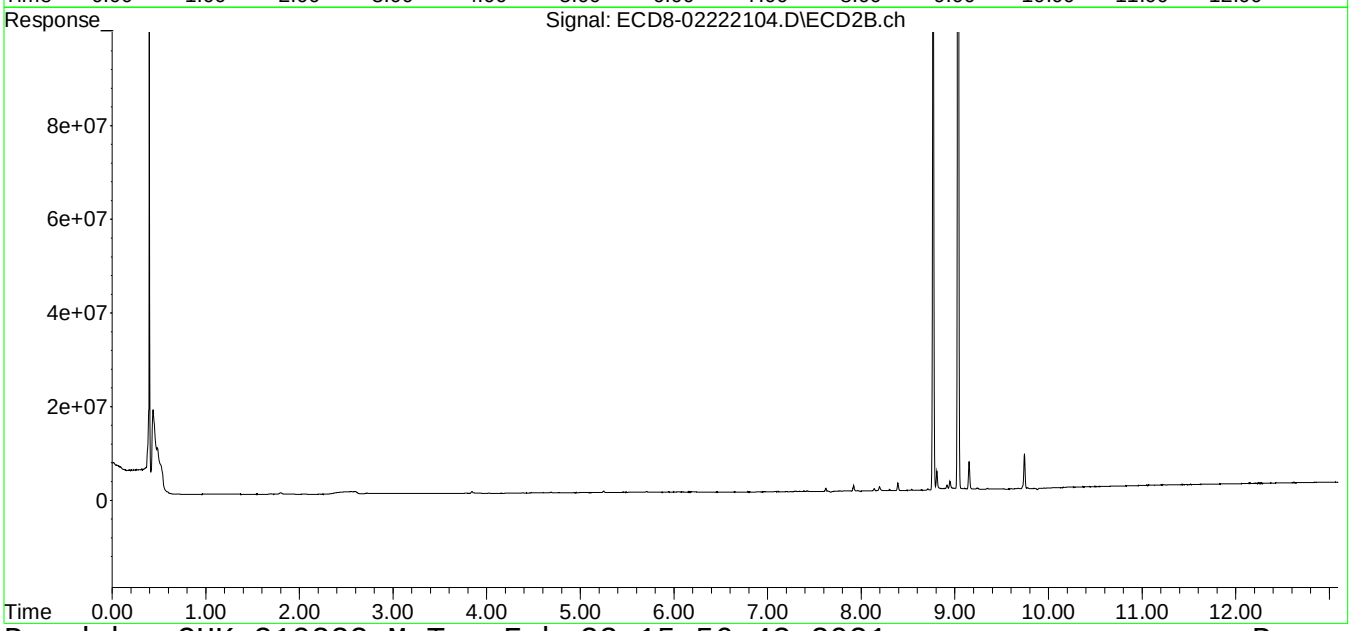
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:10
Operator : MJB
Sample : 1B22071-BKD1
Misc : A20K279
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 22 19:26:12 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:43
Operator : MJB
Sample : 1B22071-CAL1
Misc : A21B425, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

NR. Standard contaminated with trace levels of pesticide standard. Standard remade and re-analyzed.

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:56:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.677	6.056	2157058	2193990	0.603	0.579
22) S	DCBP (S)	9.910	10.605	2028080	1466134	0.268	0.378 #
	Target Compounds						
2)	a-BHC	6.230	6.653	3015174	2909048	0.662	0.603
3)	g-BHC	6.517	6.969	2742293	2728101	0.685	0.647
4)	b-BHC	6.604	7.037	1441633	1731603	0.814	0.910
5)	Heptachlor	6.915	7.342	2525965	2649249	0.619	0.629
6)	d-BHC	6.756	7.285	3057537	3359689	0.801	0.837
7)	Aldrin	7.157	7.607	2439563	2405618	0.643	0.621
8)	Heptachlo...	7.631	8.045	2448898	2493612	0.696	0.690
9)	trans-Chl...	7.723	8.185	2418577	2656113	0.681	0.714
10)	cis-Chlor...	7.821	8.292	2519566	2453540	0.570	0.698
11)	Endosulfa...	7.926	8.342	2228626	2274874	0.687	0.693
12)	4,4'-DDE	7.870	8.390	2498144	2384170	0.697	0.667
13)	Dieldrin	8.099	8.542	2324420	2354318	0.643	0.644
14)	Endrin	8.270	8.767	1954216	1888665	0.786	0.800
15)	4,4'-DDD	8.303	8.807	2032360	2064642	0.690	0.699
16)	Endosulfa...	8.433	8.915	2057978	2139716	0.713	0.749
17)	4,4'-DDT	8.499	9.034	1744323	1781539	0.627	0.694
18)	Endrin Al...	8.731	9.151	3352108	3370941	0.910	1.007
19)	Endosulfa...	9.039	9.346	2201001	2404494	0.794	0.860
20)	Methoxychlor	8.831	9.502	1055697	1137145	0.615	0.785 #
21)	Endrin Ke...	9.240	9.742	2564077	2388597	0.715	0.461 #
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:43
Operator : MJB
Sample : 1B22071-CAL1
Misc : A21B425, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:56:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

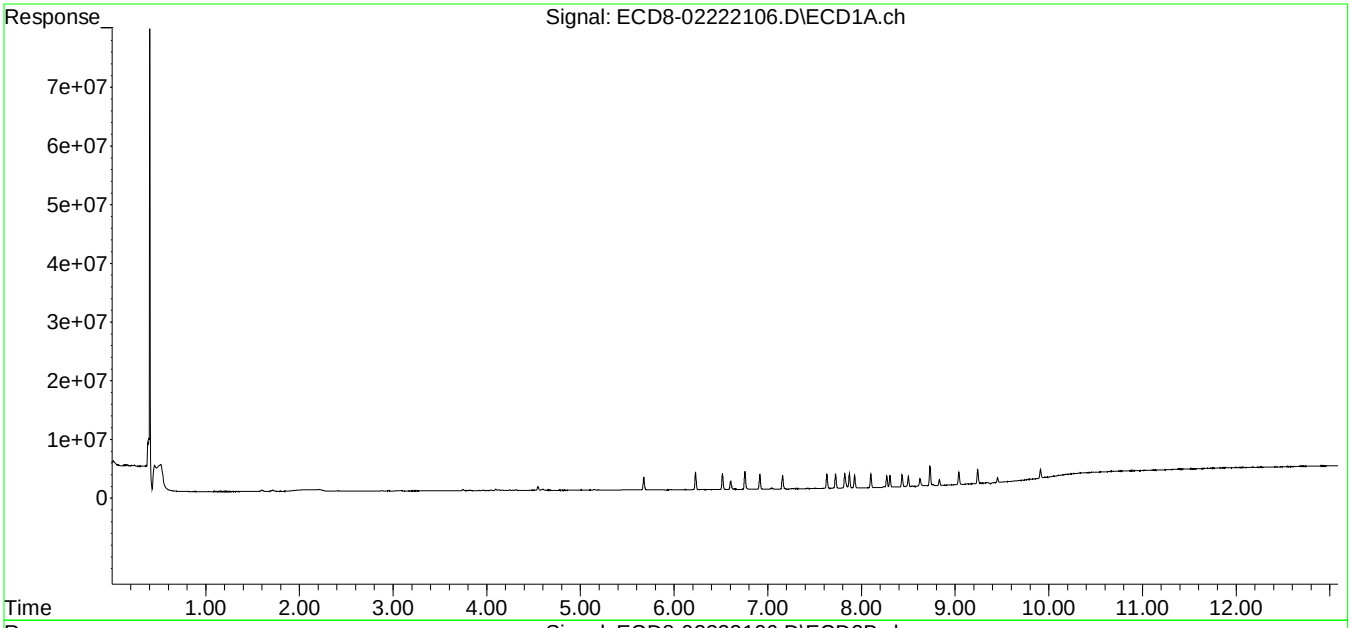
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

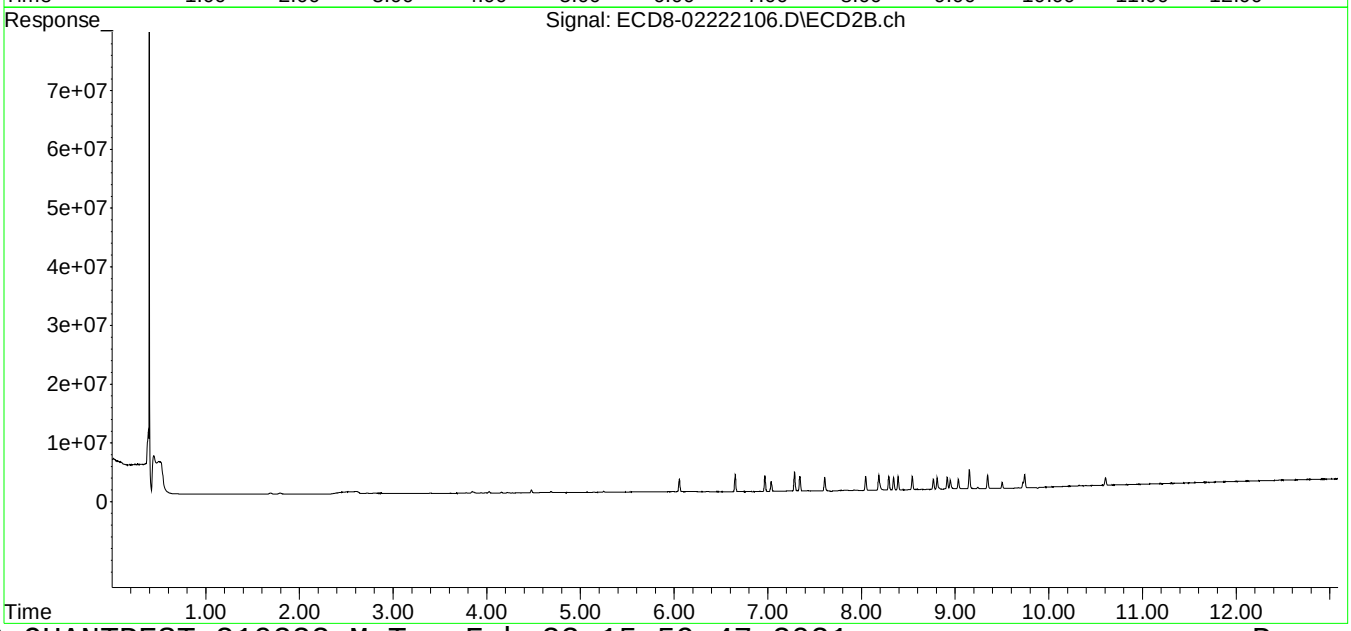
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:43
Operator : MJB
Sample : 1B22071-CAL1
Misc : A21B425, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:56:03 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

NR. Standard contaminated with trace levels of pesticide standard. Standard remade and re-analyzed.

MJB 2/23/21

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:59
Operator : MJB
Sample : 1B22071-CAL2
Misc : A21B426, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:57:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.676	6.055	3557008	3499440	0.995	0.923
22) S	DCBP (S)	9.911	10.606	3010637	2202032	0.669	0.728
	Target Compounds						
2)	a-BHC	6.229	6.651	4524588	4465816	0.993	0.926
3)	g-BHC	6.515	6.967	3981054	3999044	0.994	0.948
4)	b-BHC	6.602	7.035	1945024	2329702	1.098	1.224
5)	Heptachlor	6.914	7.341	3771948	3814864	0.924	0.906
6)	d-BHC	6.755	7.285	4126816	4510547	1.082	1.124
7)	Aldrin	7.157	7.607	3668908	3514589	0.967	0.907
8)	Heptachlo...	7.630	8.043	3537817	3565555	1.005	0.987
9)	trans-Chl...	7.723	8.184	3627492	3635757	1.021	0.978
10)	cis-Chlor...	7.821	8.291	3644419	3570510	0.912	1.016
11)	Endosulfa...	7.925	8.342	3252069	3237284	1.003	0.986
12)	4,4'-DDE	7.870	8.391	3647024	3480810	1.017	0.974
13)	Dieldrin	8.099	8.542	3479456	3488681	0.962	0.954
14)	Endrin	8.270	8.768	2877828	2649563	1.158	1.122
15)	4,4'-DDD	8.304	8.807	2893032	2959498	0.982	1.002
16)	Endosulfa...	8.433	8.915	2974951	2975089	1.030	1.041
17)	4,4'-DDT	8.500	9.034	2507324	2491202	0.901	0.992
18)	Endrin Al...	8.731	9.150	4497905	4390433	1.298	1.375
19)	Endosulfa...	9.039	9.346	3181615	3182152	1.148	1.139
20)	Methoxychlor	8.831	9.501	1530989	1544673	0.982	1.132
21)	Endrin Ke...	9.240	9.743	3574099	3415568	0.996	0.797
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:59
Operator : MJB
Sample : 1B22071-CAL2
Misc : A21B426, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:57:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

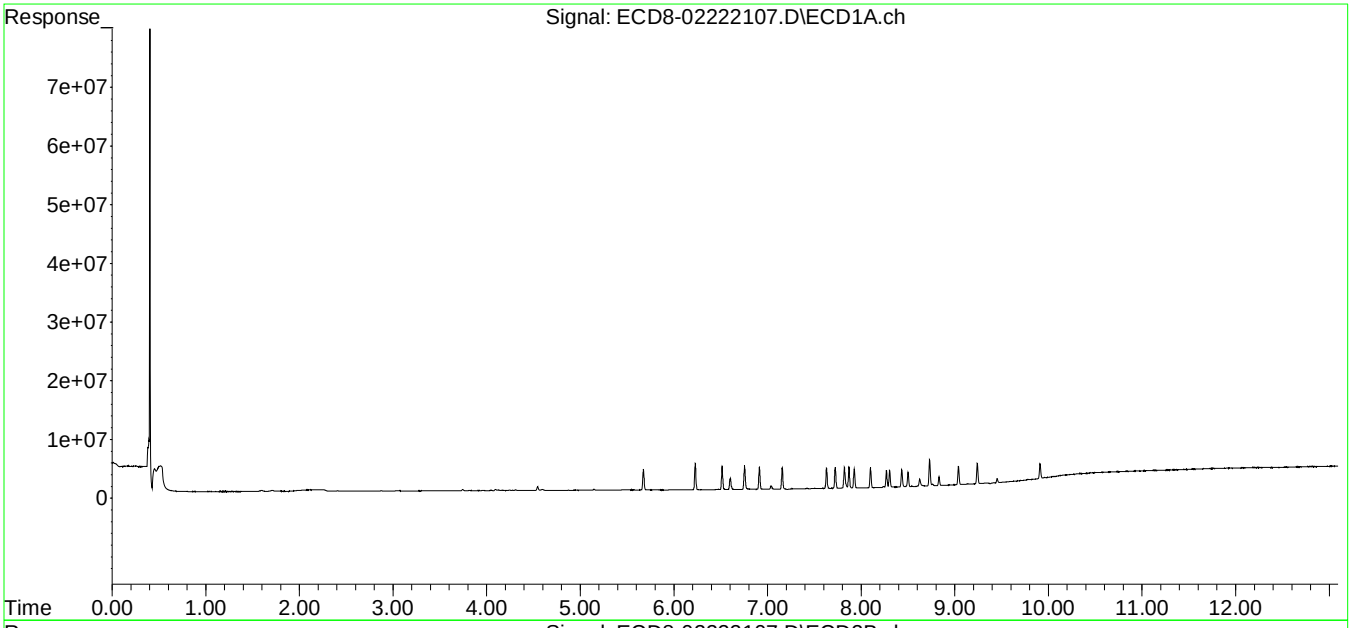
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 19:59
Operator : MJB
Sample : 1B22071-CAL2
Misc : A21B426, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:57:05 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:15
Operator : MJB
Sample : 1B22071-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:57:44 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.675	6.055	6570939	6476248	1.838	1.709
22)	S	DCBP (S)	9.909	10.605	4862674	3921756	1.425	1.545
		Target Compounds						
2)		a-BHC	6.228	6.651	8442991	8025686	1.854	1.664
3)		g-BHC	6.515	6.967	7260697	7148210	1.814	1.694
4)		b-BHC	6.600	7.034	3112810	3590924	1.757	1.886
5)		Heptachlor	6.913	7.341	6812233	6718725	1.668	1.596
6)		d-BHC	6.753	7.284	6559848	7153543	1.719	1.783
7)		Aldrin	7.157	7.606	6841306	6503333	1.804	1.678
8)		Heptachlo...	7.629	8.043	6334810	6156133	1.800	1.705
9)		trans-Chl...	7.722	8.183	6514292	6467548	1.834	1.739
10)		cis-Chlor...	7.819	8.291	6429067	6347411	1.756	1.806
11)		Endosulfa...	7.925	8.341	5927379	5667008	1.828	1.726
12)		4,4'-DDE	7.869	8.390	6574372	6353008	1.834	1.778
13)		Dieldrin	8.098	8.541	6386459	6082740	1.767	1.664
14)		Endrin	8.269	8.766	5184256	4710797	2.086	1.995
15)		4,4'-DDD	8.302	8.807	5204597	5215526	1.767	1.766
16)		Endosulfa...	8.432	8.914	5015784	5106823	1.737	1.787
17)		4,4'-DDT	8.499	9.033	4659787	4402871	1.674	1.790
18)		Endrin Al...	8.729	9.151	7072015	6805826	2.172	2.247
19)		Endosulfa...	9.038	9.347	5137902	5262376	1.853	1.883
20)		Methoxychlor	8.830	9.502	2635891	2619141	1.836	2.045
21)		Endrin Ke...	9.240	9.742	6080574	5714398	1.695	1.549
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:15
Operator : MJB
Sample : 1B22071-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:57:44 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

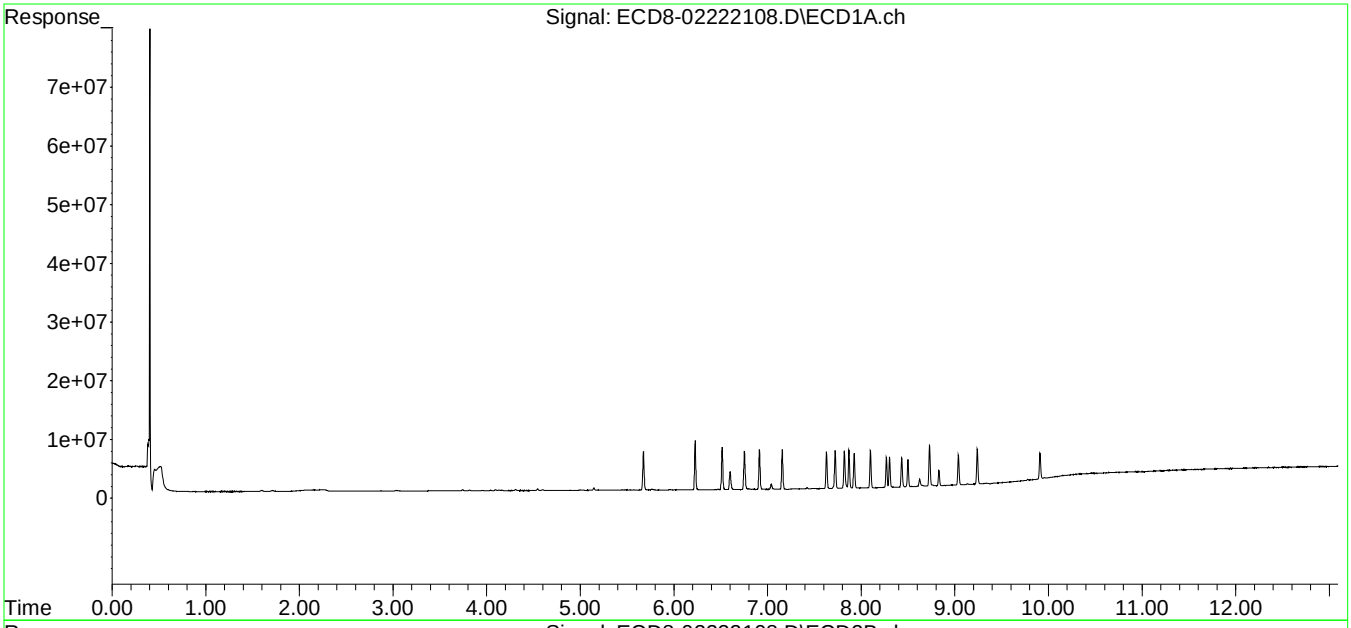
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:15
Operator : MJB
Sample : 1B22071-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:57:44 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:32
Operator : MJB
Sample : 1B22071-CAL4 MJB 2/23/21
Misc : A21B420, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:58:19 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.676	6.055	15956650	15775417	4.464	4.162
22) S	DCBP (S)	9.911	10.606	9937318	8113103	3.500	3.533
	Target Compounds						
2)	a-BHC	6.228	6.651	21294746	21185744	4.675	4.393
3)	g-BHC	6.516	6.968	17955161	18168209	4.485	4.306
4)	b-BHC	6.598	7.033	7300772	8296777	4.121	4.358
5)	Heptachlor	6.914	7.341	17248899	17480400	4.225	4.153
6)	d-BHC	6.751	7.283	15951976	18013423	4.181	4.489
7)	Aldrin	7.157	7.607	17219259	16498521	4.541	4.257
8)	Heptachlo...	7.630	8.043	15222719	15245553	4.325	4.221
9)	trans-Chl...	7.722	8.183	15604535	15559475	4.394	4.184
10)	cis-Chlor...	7.820	8.291	15661447	14797422	4.558	4.210
11)	Endosulfa...	7.926	8.341	13858786	13716981	4.273	4.178
12)	4,4'-DDE	7.870	8.391	16143492	16140360	4.504	4.516
13)	Dieldrin	8.099	8.541	15725240	15123728	4.350	4.138
14)	Endrin	8.270	8.767	12848627	12074035	5.169	5.113
15)	4,4'-DDD	8.303	8.807	12971826	12553517	4.404	4.250
16)	Endosulfa...	8.432	8.915	12281197	12105322	4.254	4.236
17)	4,4'-DDT	8.500	9.034	11508534	11378648	4.135	4.680
18)	Endrin Al...	8.730	9.152	11839116	12005526	3.791	4.121
19)	Endosulfa...	9.039	9.347	11640588	11924025	4.199	4.267
20)	Methoxychlor	8.832	9.502	6142820	6073400	4.541	4.963
21)	Endrin Ke...	9.241	9.742	14042881	13246351	3.914	3.997
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:32
Operator : MJB
Sample : 1B22071-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:58:19 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

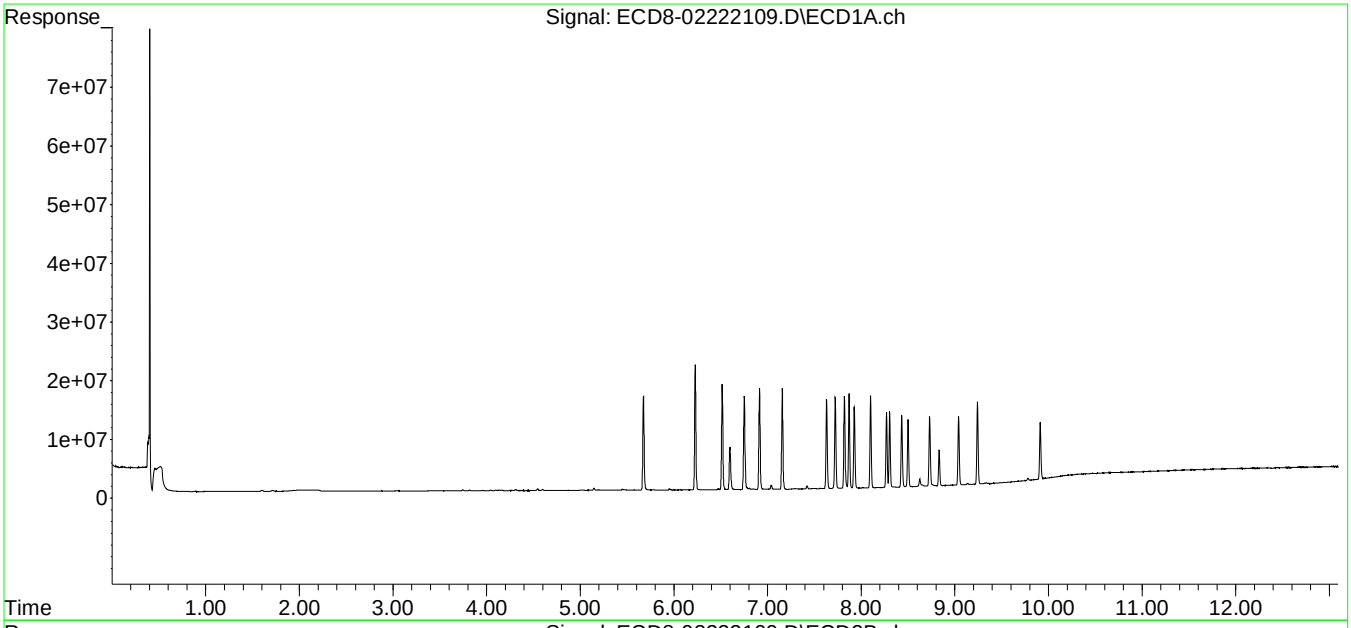
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

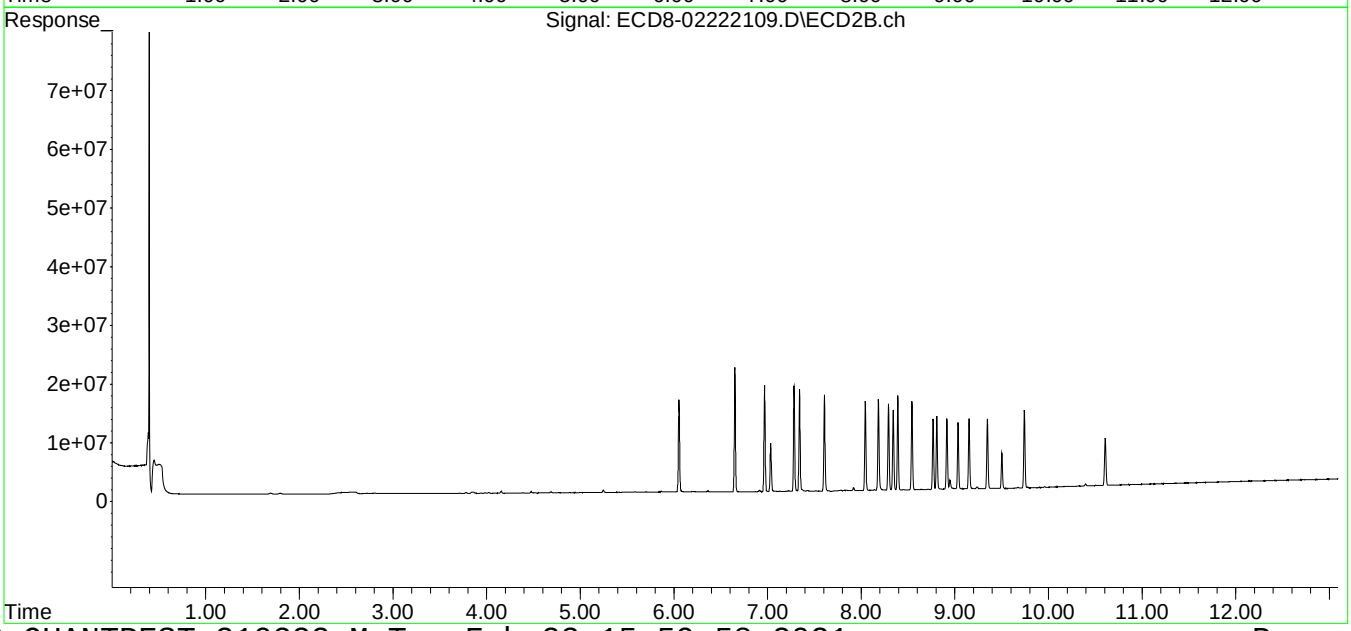
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:32
Operator : MJB
Sample : 1B22071-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:58:19 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:48
Operator : MJB
Sample : 1B22071-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:58:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.675	6.055	32046824	32628643	8.965	8.609
22) S	DCBP (S)	9.909	10.604	20647986	17285054	7.888	7.867
	Target Compounds						
2)	a-BHC	6.228	6.651	43143303	44456771	9.472	9.218
3)	g-BHC	6.515	6.967	37343018	38170370	9.328	9.046
4)	b-BHC	6.595	7.032	14638560	16462393	8.264	8.648
5)	Heptachlor	6.913	7.341	35009888	35973205	8.574	8.547
6)	d-BHC	6.748	7.282	32868480	35952679	8.614	8.960
7)	Aldrin	7.156	7.606	35394818	34372238	9.333	8.869
8)	Heptachlo...	7.628	8.042	30842913	30888154	8.762	8.553
9)	trans-Chl...	7.721	8.182	31887397	32355079	8.979	8.700
10)	cis-Chlor...	7.819	8.290	31586341	30155924	9.393	8.579
11)	Endosulfa...	7.923	8.341	28705228	28389335	8.851	8.648
12)	4,4'-DDE	7.868	8.390	34390588	33797259	9.594	9.457
13)	Dieldrin	8.098	8.540	32579699	31818967	9.012	8.706
14)	Endrin	8.268	8.766	26998463	25358817	10.862	10.739
15)	4,4'-DDD	8.302	8.806	26917371	27028607	9.138	9.152
16)	Endosulfa...	8.431	8.913	25113069	25269317	8.698	8.842
17)	4,4'-DDT	8.498	9.033	24352811	23928513	8.749	9.782
18)	Endrin Al...	8.729	9.149	23895451	23767692	7.892	8.344
19)	Endosulfa...	9.037	9.345	25307369	25574107	9.129	9.151
20)	Methoxychlor	8.830	9.501	12583336	12528445	9.489	10.347
21)	Endrin Ke...	9.238	9.742	29315337	28944529	8.172	9.035
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:48
Operator : MJB
Sample : 1B22071-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:58:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

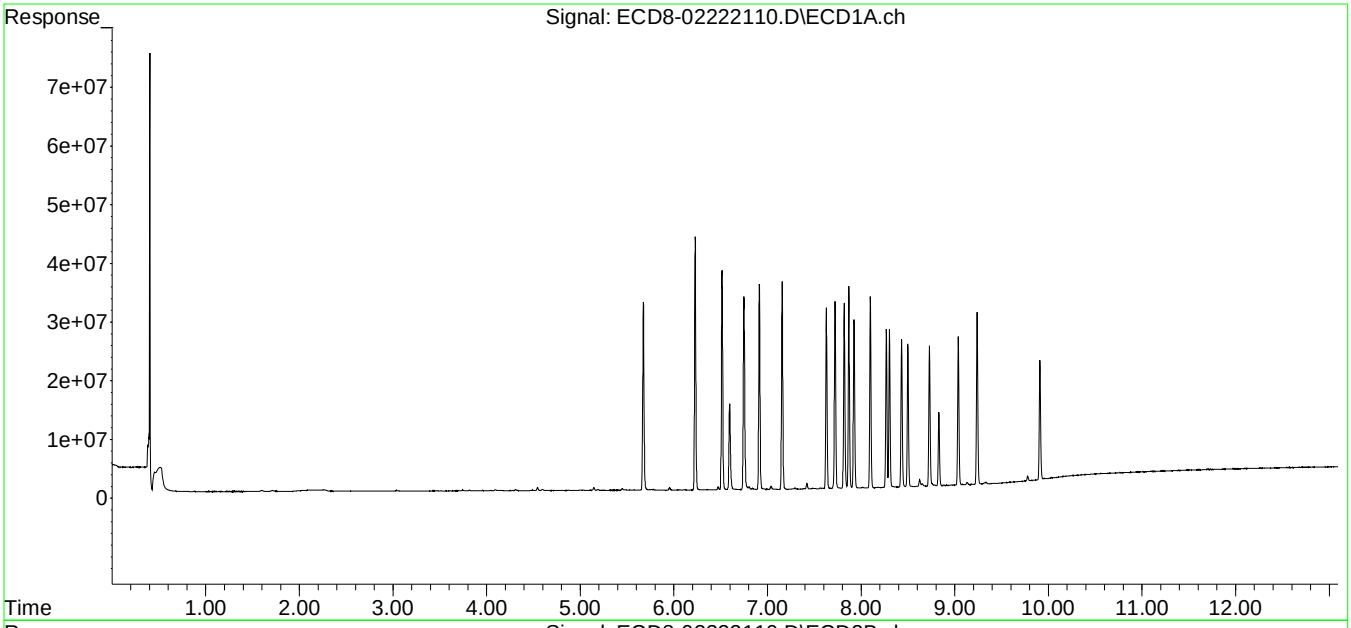
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

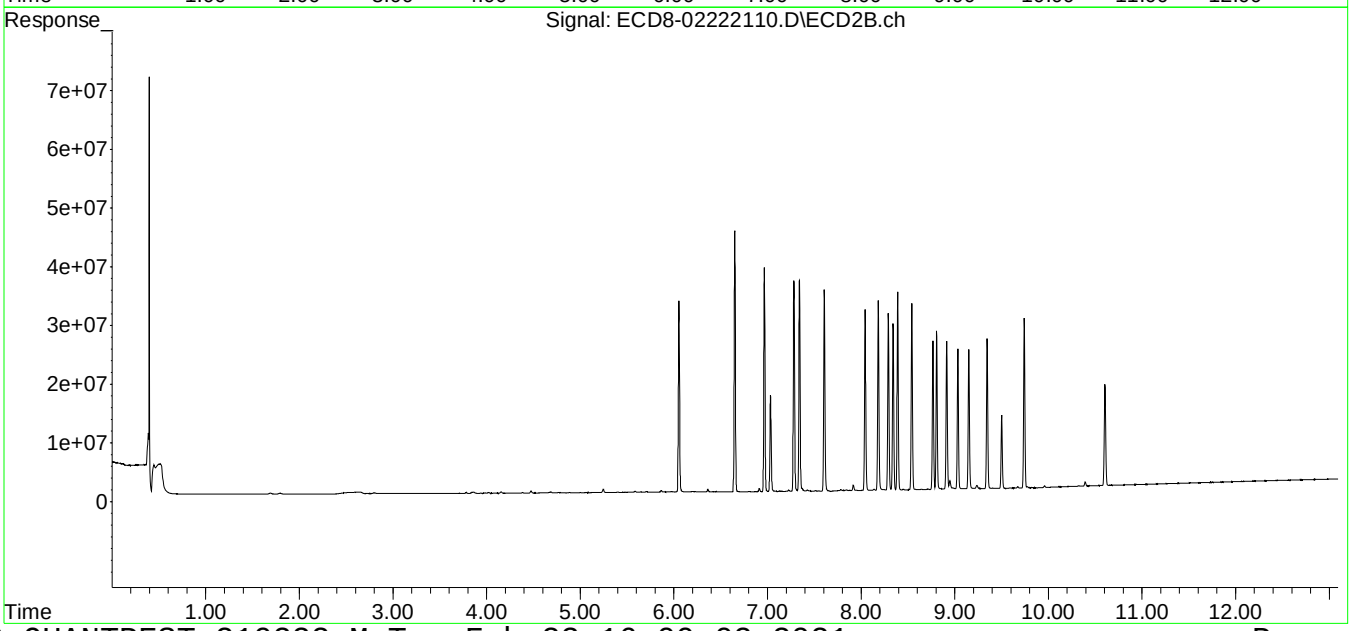
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222110.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 20:48
Operator : MJB
Sample : 1B22071-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:58:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:04
Operator : MJB
Sample : 1B22071-CAL6 MJB 2/23/21
Misc : A21B422, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:59:21 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.676	6.055	79601464	82748070	22.269	21.834
22) S	DCBP (S)	9.910	10.604	51000883	45609398	20.384	21.112
	Target Compounds						
2)	a-BHC	6.228	6.652	105.6E6	115.0E6	23.176	23.851
3)	g-BHC	6.515	6.967	91714097	98036924	22.910	23.234
4)	b-BHC	6.595	7.032	36694118	41509006	20.715	21.805
5)	Heptachlor	6.913	7.341	82719992	86180505	20.259	20.476
6)	d-BHC	6.748	7.281	84216794	96705403	22.071	24.102
7)	Aldrin	7.156	7.606	88186562	90509030	23.254	23.355
8)	Heptachlo...	7.628	8.043	74668510	80397137	21.212	22.262
9)	trans-Chl...	7.721	8.182	79563152	81637426	22.405	21.950
10)	cis-Chlor...	7.819	8.290	76937788	79679491	23.175	22.668
11)	Endosulfa...	7.924	8.341	69955426	75495061	21.570	22.997
12)	4,4'-DDE	7.868	8.390	84634913	88561906	23.611	24.781
13)	Dieldrin	8.098	8.541	78956370	83779771	21.839	22.922
14)	Endrin	8.268	8.767	63883003	64065205	25.702	27.129
15)	4,4'-DDD	8.301	8.807	66911718	70350878	22.716	23.820
16)	Endosulfa...	8.430	8.913	62928659	67368331	21.796	23.572
17)	4,4'-DDT	8.498	9.033	61132249	63353142	21.963	25.093
18)	Endrin Al...	8.729	9.150	57480633	59361559	19.363	20.991
19)	Endosulfa...	9.038	9.345	61879247	64840847	22.320	23.202
20)	Methoxychlor	8.830	9.501	31016403	31169875	23.511	25.430
21)	Endrin Ke...	9.239	9.741	73664687	75563273	20.534	23.517
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:04
Operator : MJB
Sample : 1B22071-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:59:21 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

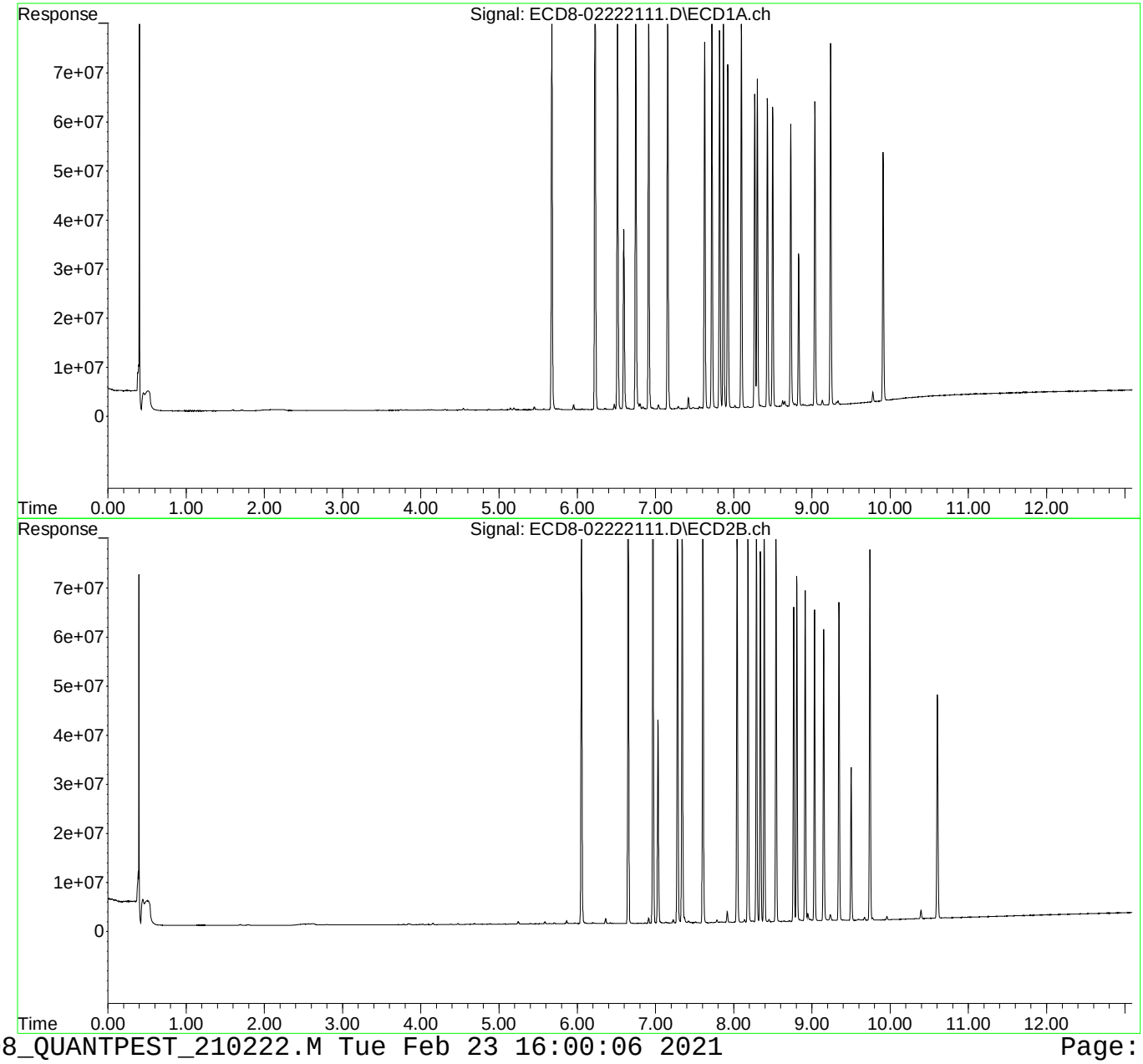
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:04
Operator : MJB
Sample : 1B22071-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:59:21 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:20
Operator : MJB
Sample : 1B22071-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:48:30 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Jan 26 11:57:54 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.675	6.055	153.4E6	168.1E6	42.922	44.344
22) S	DCBP (S)	9.909	10.605	94459682	85774479	38.438	39.552
	Target Compounds						
2)	a-BHC	6.228	6.651	207.4E6	238.2E6	45.541	49.389
3)	g-BHC	6.515	6.967	182.6E6	199.3E6	45.612	47.233
4)	b-BHC	6.593	7.031	76306231	84844717	43.077	44.570
5)	Heptachlor	6.913	7.341	168.7E6	187.3E6	41.307	44.512
6)	d-BHC	6.746	7.281	176.9E6	202.8E6	46.372	50.545
7)	Aldrin	7.156	7.606	175.8E6	183.7E6	46.353	47.403
8)	Heptachlo...	7.627	8.041	152.1E6	163.7E6	43.196	45.328
9)	trans-Chl...	7.720	8.181	155.9E6	169.4E6	43.909	45.553
10)	cis-Chlor...	7.817	8.289	148.5E6	157.1E6	44.957	44.701
11)	Endosulfa...	7.922	8.340	139.4E6	150.6E6	42.990	45.884
12)	4,4'-DDE	7.867	8.389	168.1E6	180.1E6	46.905	50.384
13)	Dieldrin	8.096	8.540	156.4E6	171.0E6	43.267	46.792
14)	Endrin	8.268	8.765	132.7E6	136.7E6	53.403	57.892
15)	4,4'-DDD	8.300	8.805	132.8E6	148.6E6	45.071	50.304
16)	Endosulfa...	8.429	8.912	127.3E6	134.5E6	44.104	47.052
17)	4,4'-DDT	8.497	9.031	126.4E6	134.2E6	45.410	50.370
18)	Endrin Al...	8.727	9.148	111.0E6	118.2E6	37.788	41.491
19)	Endosulfa...	9.035	9.344	122.6E6	134.5E6	44.240	48.132
20)	Methoxychlor	8.828	9.500	62642760	66364315	47.111	52.255
21)	Endrin Ke...	9.237	9.741	143.0E6	151.1E6	39.847	45.654
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:20
Operator : MJB
Sample : 1B22071-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:48:30 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Jan 26 11:57:54 2021
Response via : Initial Calibration
Integrator: ChemStation

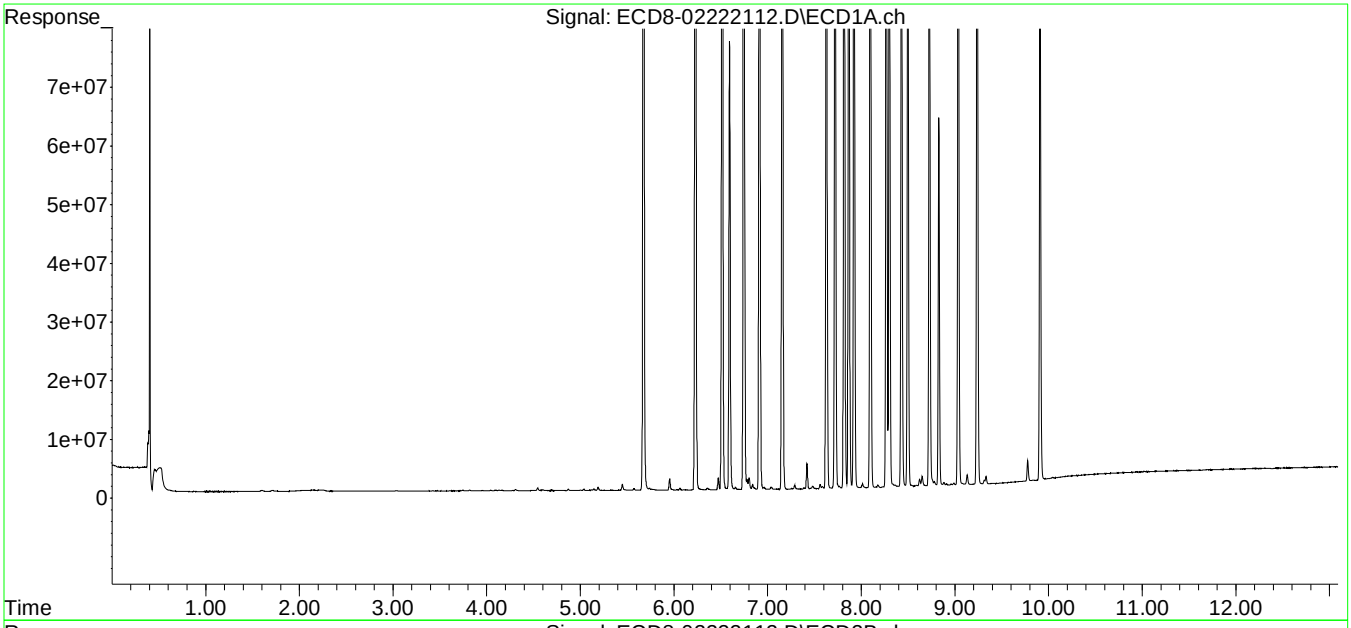
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:20
Operator : MJB
Sample : 1B22071-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:48:30 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Jan 26 11:57:54 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:37
Operator : MJB
Sample : 1B22071-CAL8 MJB 2/23/21
Misc : A21B424, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:59:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
		System Monitoring Compounds						
1)	S	TCMX (S)	5.676	6.055	315.8E6	358.1E6	88.341	94.495
22)	S	DCBP (S)	9.913	10.608	199.2E6	181.9E6	82.753	82.181
		Target Compounds						
2)		a-BHC	6.228	6.651	437.9E6	508.7E6	96.126	105.487
3)		g-BHC	6.515	6.968	381.3E6	433.4E6	95.252	102.713
4)		b-BHC	6.594	7.031	156.4E6	180.6E6	88.315	94.846
5)		Heptachlor	6.914	7.341	354.0E6	409.3E6	86.696	97.256
6)		d-BHC	6.747	7.281	372.4E6	436.1E6	97.586	108.686
7)		Aldrin	7.157	7.606	354.2E6	391.1E6	93.386	100.927
8)		Heptachlo...	7.629	8.043	313.0E6	357.7E6	88.909	99.052
9)		trans-Chl...	7.721	8.183	326.1E6	357.5E6	91.821	96.125
10)		cis-Chlor...	7.819	8.291	309.8E6	341.6E6	94.271	97.183
11)		Endosulfa...	7.925	8.341	289.1E6	319.9E6	89.127	97.459
12)		4,4'-DDE	7.869	8.390	338.2E6	384.6E6	94.347	107.620
13)		Dieldrin	8.099	8.541	316.4E6	359.7E6	87.512	98.423
14)		Endrin	8.270	8.767	274.9E6	304.5E6	110.613	128.948
15)		4,4'-DDD	8.302	8.807	270.3E6	306.3E6	91.750	103.712
16)		Endosulfa...	8.431	8.914	256.4E6	291.5E6	88.812	102.001
17)		4,4'-DDT	8.499	9.034	270.6E6	301.9E6	97.214	102.102
18)		Endrin Al...	8.730	9.151	229.6E6	251.2E6	79.315	86.059
19)		Endosulfa...	9.039	9.347	250.7E6	286.0E6	90.419	102.334
20)		Methoxychlor	8.831	9.502	126.8E6	146.2E6	93.322	106.924
21)		Endrin Ke...	9.241	9.743	297.0E6	324.8E6	82.790	91.702
23)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)		Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)		Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)		2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)		trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)		2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)		2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:37
Operator : MJB
Sample : 1B22071-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:59:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

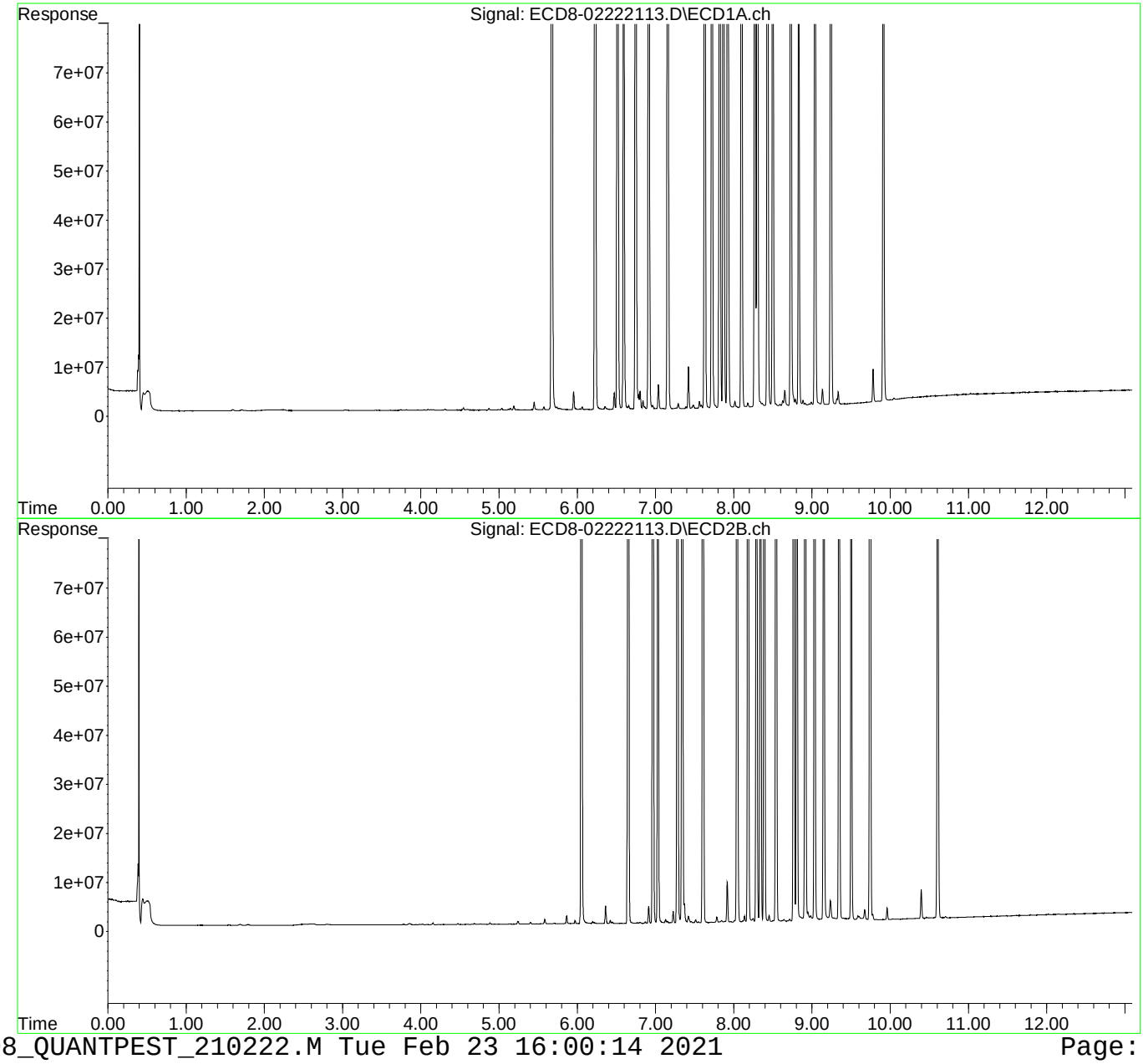
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:37
Operator : MJB
Sample : 1B22071-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:59:56 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:53
Operator : MJB
Sample : 1B22071-CAL9 MJB 2/23/21
Misc : A21B418, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:00:25 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.675	6.055	632.9E6	767.1E6	177.058	202.406	
22)	S	DCBP (S)	9.912	10.607	359.3E6	341.6E6	152.964	148.938	
		Target Compounds							
2)		a-BHC	6.228	6.652	885.2E6	1056.4E6	194.332	219.033	
3)		g-BHC	6.515	6.968	756.8E6	894.4E6	189.039	211.964	
4)		b-BHC	6.593	7.031	311.5E6	367.9E6	175.829	193.253	
5)		Heptachlor	6.914	7.342	702.3E6	842.8E6	172.006	200.249	
6)		d-BHC	6.746	7.282	744.8E6	919.3E6	195.178	229.116	
7)		Aldrin	7.157	7.606	700.5E6	819.9E6	184.713	211.575	
8)		Heptachlo...	7.628	8.043	613.7E6	718.6E6	174.353	198.978	
9)		trans-Chl...	7.720	8.183	644.6E6	750.7E6	181.514	201.845	
10)		cis-Chlor...	7.819	8.291	619.4E6	712.2E6	189.668	202.602	
11)		Endosulfa...	7.924	8.342	574.7E6	650.2E6	177.197	198.075	
12)		4,4'-DDE	7.868	8.391	659.5E6	764.0E6	183.979	213.783	
13)		Dieldrin	8.098	8.541	608.1E6	728.7E6	168.213	199.378	
14)		Endrin	8.269	8.767	515.2E6	613.5E6	207.263	259.803	#
15)		4,4'-DDD	8.301	8.807	544.4E6	624.8E6	184.831	211.559	
16)		Endosulfa...	8.431	8.914	510.5E6	604.4E6	176.815	211.479	
17)		4,4'-DDT	8.498	9.034	522.8E6	601.6E6	187.821	177.781	
18)		Endrin Al...	8.729	9.151	468.7E6	520.6E6	166.123	170.117	
19)		Endosulfa...	9.038	9.347	490.2E6	574.9E6	176.809	205.738	
20)		Methoxychlor	8.830	9.503	253.5E6	286.2E6	179.160	188.881	
21)		Endrin Ke...	9.240	9.744	581.8E6	669.7E6	162.169	169.601	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	d N.D.	d
24)		Hexachlor...	0.000	0.000	0	0	N.D.	d N.D.	d
25)		Oxychlordane	0.000	0.000	0	0	N.D.	d N.D.	d
26)		2,4'-DDE	0.000	0.000	0	0	N.D.	d N.D.	d
27)		trans-Non...	0.000	0.000	0	0	N.D.	d N.D.	d
28)		2,4'-DDD	0.000	0.000	0	0	N.D.	d N.D.	d
29)		2,4'-DDT	0.000	0.000	0	0	N.D.	d N.D.	d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:53
Operator : MJB
Sample : 1B22071-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:00:25 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

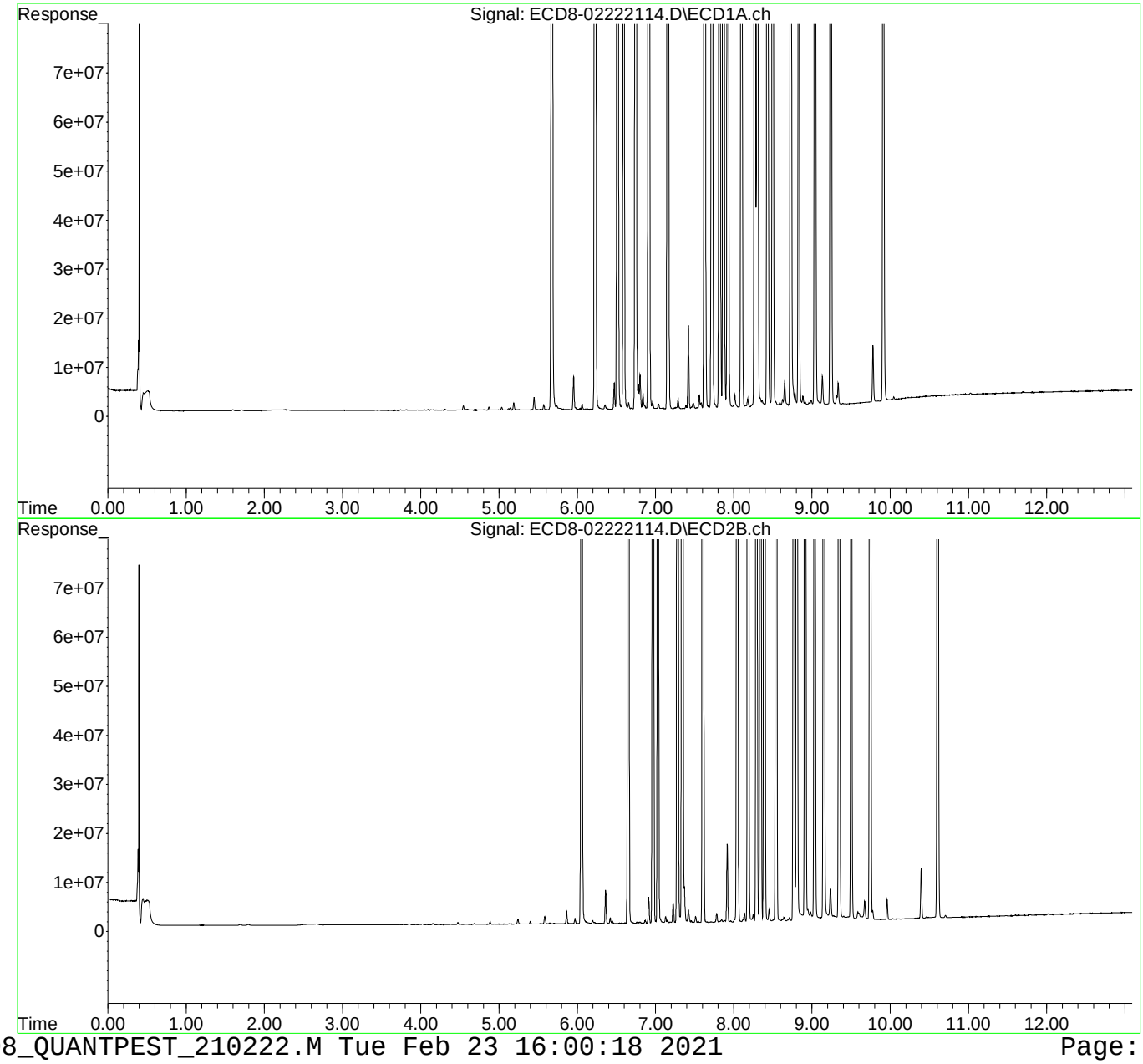
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222114.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 21:53
Operator : MJB
Sample : 1B22071-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:00:25 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

NR. Standard contaminated with trace levels of pesticide standard. Standard remade and re-analyzed

MJB 2/23/21

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222117.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:41
Operator : MJB
Sample : 1B22071-CALA
Misc : A21B427, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:01:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.463	3.770	2102751	2342740	0.573	0.649
24)	Hexachlor...	6.063	6.519	1927857	2111165	0.536	0.555
25)	Oxychlordane	7.553	7.974	1674644	1751039	0.544	0.557
26)	2,4'-DDE	7.630	8.170	2439001	1368415	1.070	0.586 #
27)	trans-Non...	7.821	8.250	2474507	1990184	0.719	0.561
28)	2,4'-DDD	8.002	8.543	1157522	3155775	0.583	1.510 #
29)	2,4'-DDT	8.182	8.767	1156284	2700427	0.563	1.465 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222117.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:41
Operator : MJB
Sample : 1B22071-CALA
Misc : A21B427, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:01:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

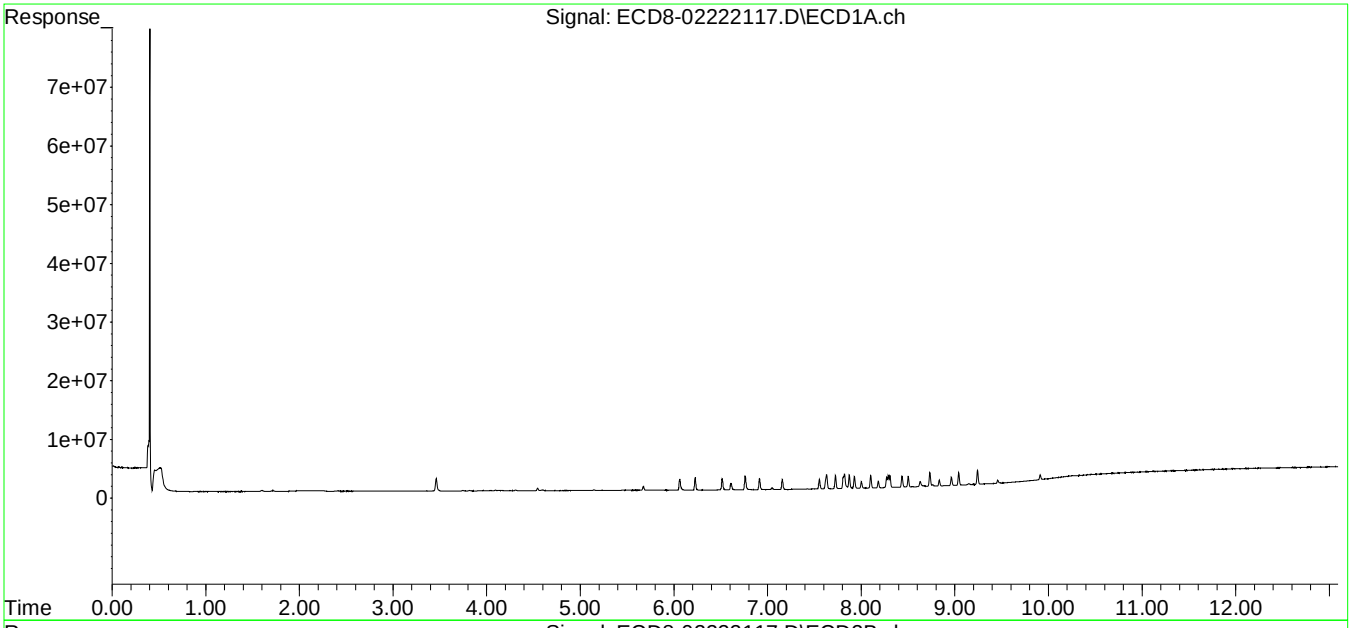
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.811	2080501	3531959	0.568	0.933 #
31)	Mirex	8.963	9.742	1439387	2884434	0.441	1.069 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222117.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:41
Operator : MJB
Sample : 1B22071-CALA
Misc : A21B427, 9-42 0.5 ppb
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:01:08 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:57
Operator : MJB
Sample : 1B22071-CALB MJB 2/23/21
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:02:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.463	3.771	3849131	4234435	1.176	1.174
24)	Hexachlor...	6.063	6.519	3773640	4089957	1.049	1.076
25)	Oxychlordane	7.552	7.974	3178037	3292723	1.033	1.047
26)	2,4'-DDE	7.619	8.168	2600936	2527723	1.141	1.082
27)	trans-Non...	7.807	8.250	3695838	3710614	1.074	1.046
28)	2,4'-DDD	8.001	8.543	2270647	2566323	1.144	1.228
29)	2,4'-DDT	8.181	8.766	2238924	2378708	1.091	1.285

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:57
Operator : MJB
Sample : 1B22071-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:02:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

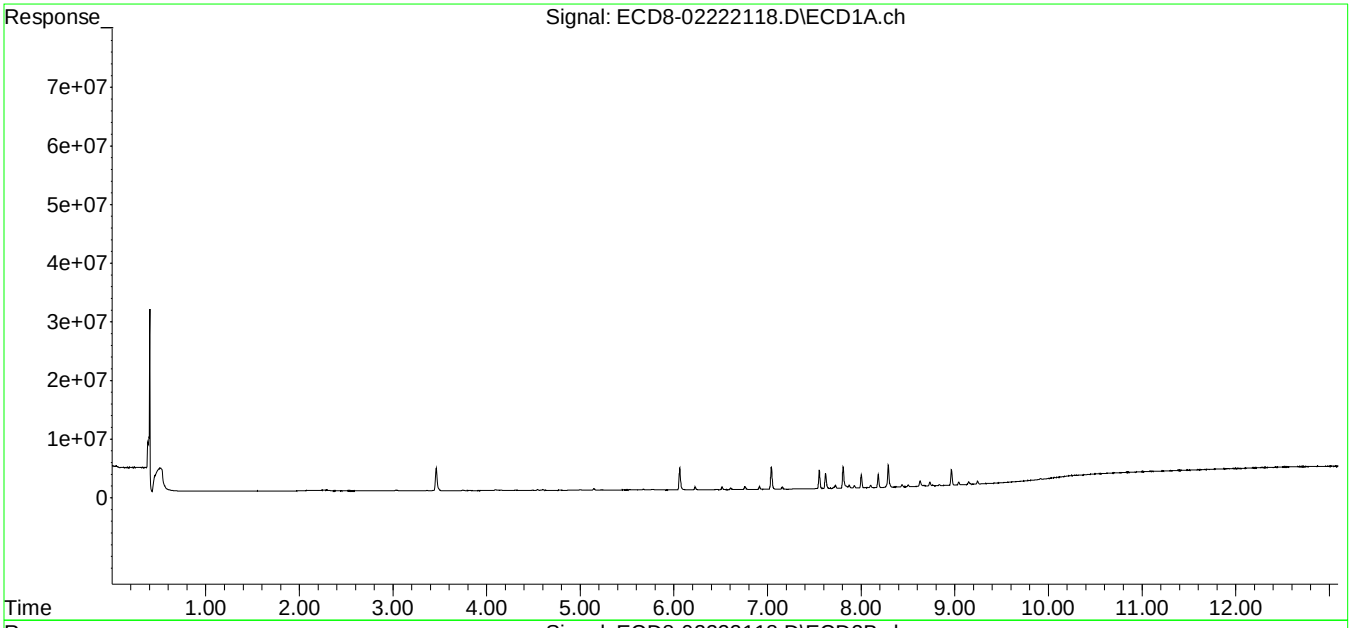
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.813	3845722	3967974	1.050	1.048
31)	Mirex	8.963	9.734	2639289	2872803	0.980	1.063
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

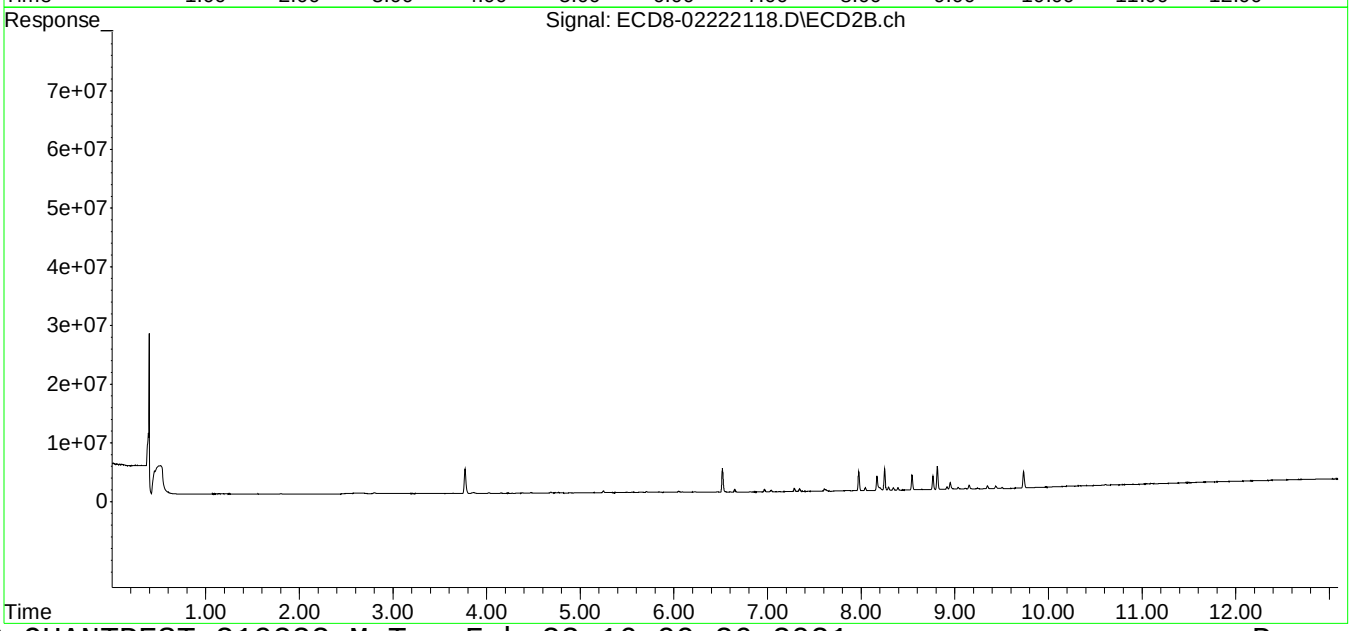
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 22:57
Operator : MJB
Sample : 1B22071-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:02:14 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:14
Operator : MJB
Sample : 1B22071-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:12:24 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.463	3.770	6957604	7585003	2.250	2.102
24)	Hexachlor...	6.063	6.519	6425966	6651598	1.787	1.750
25)	Oxychlordane	7.553	7.975	5309909	5464605	1.726	1.738
26)	2,4'-DDE	7.619	8.168	4402205	4399052	1.931	1.883
27)	trans-Non...	7.807	8.251	6120372	6195556	1.778	1.746
28)	2,4'-DDD	8.001	8.542	3684063	3880927	1.856	1.857
29)	2,4'-DDT	8.181	8.765	3860272	3803369	1.881	2.084

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:14
Operator : MJB
Sample : 1B22071-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:12:24 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

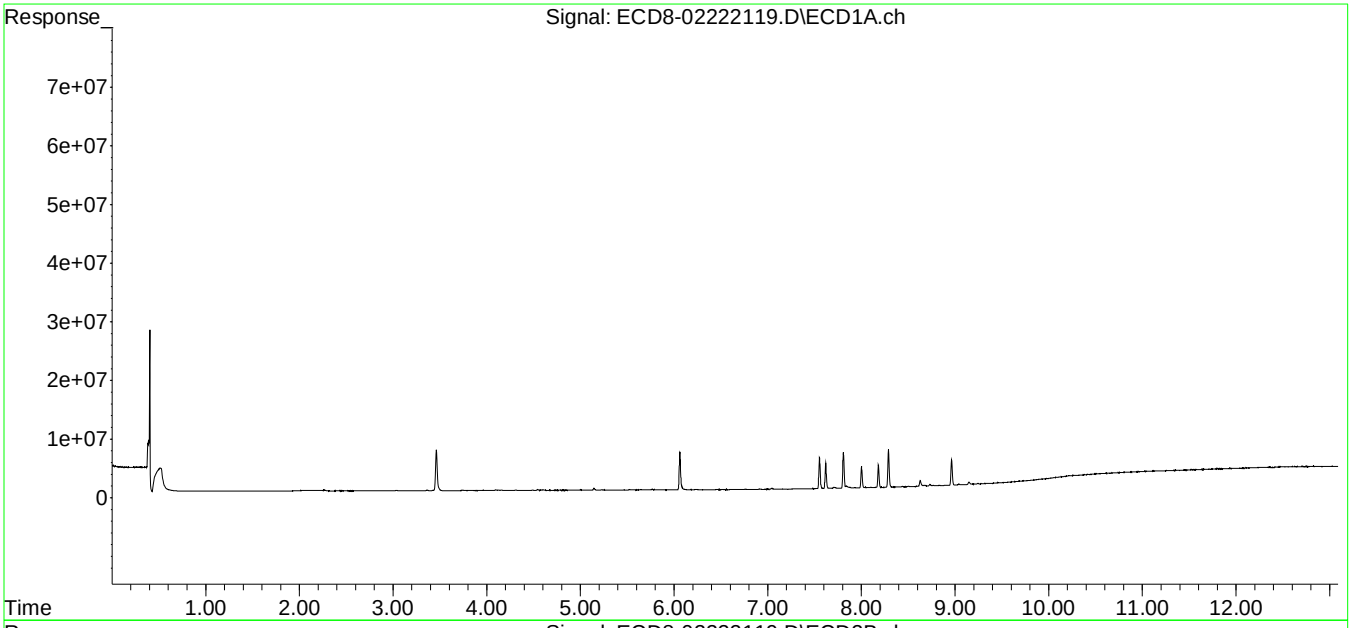
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.288	8.813	6425104	6554264	1.754	1.732
31)	Mirex	8.962	9.732	4332283	4436254	1.740	1.780
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

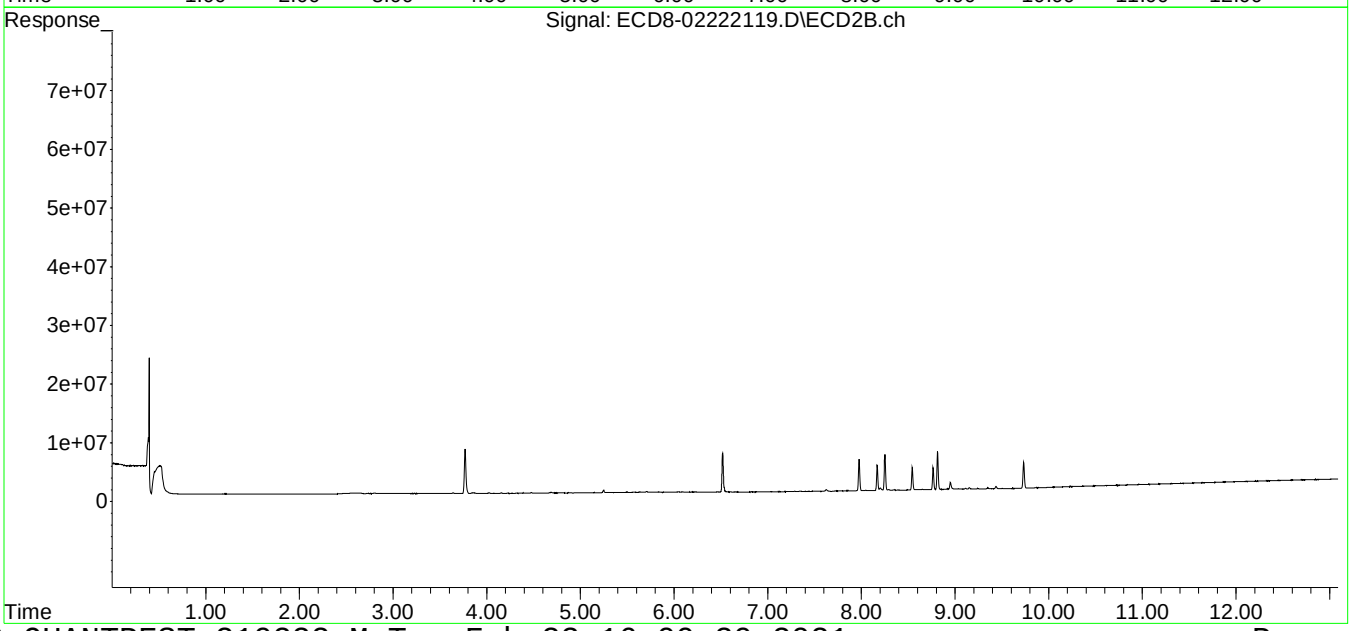
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222119.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:14
Operator : MJB
Sample : 1B22071-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:12:24 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:30
Operator : MJB
Sample : 1B22071-CALD MJB 2/23/21
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:13:09 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.462	3.769	16915994	18400186	5.693	5.100
24)	Hexachlor...	6.062	6.519	17228940	17607068	4.790	4.632
25)	Oxychlordane	7.550	7.973	14138970	14509986	4.596	4.615
26)	2,4'-DDE	7.616	8.167	11843817	11430457	5.194	4.894
27)	trans-Non...	7.805	8.249	16834749	16862415	4.891	4.753
28)	2,4'-DDD	7.998	8.541	10090183	10051036	5.083	4.809
29)	2,4'-DDT	8.179	8.764	10380223	10243436	5.057	5.656

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:30
Operator : MJB
Sample : 1B22071-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:13:09 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

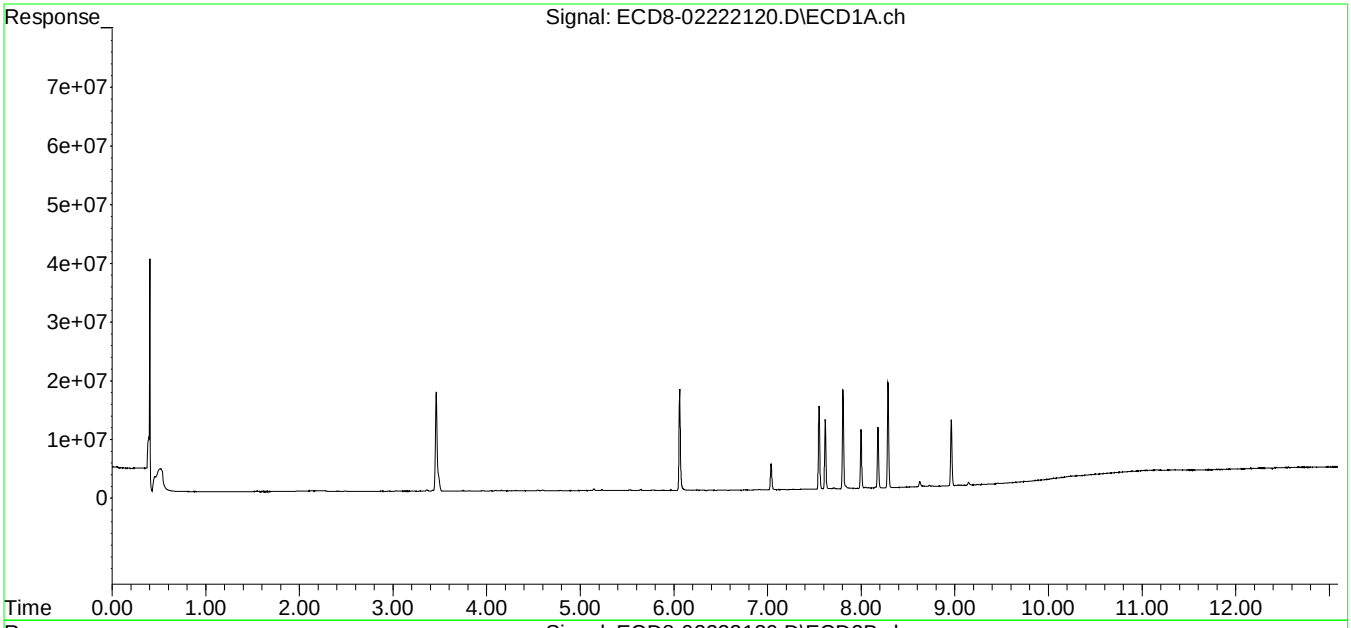
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.811	17982284	17366122	4.908	4.588
31)	Mirex	8.962	9.732	11264877	11183223	4.852	4.864
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

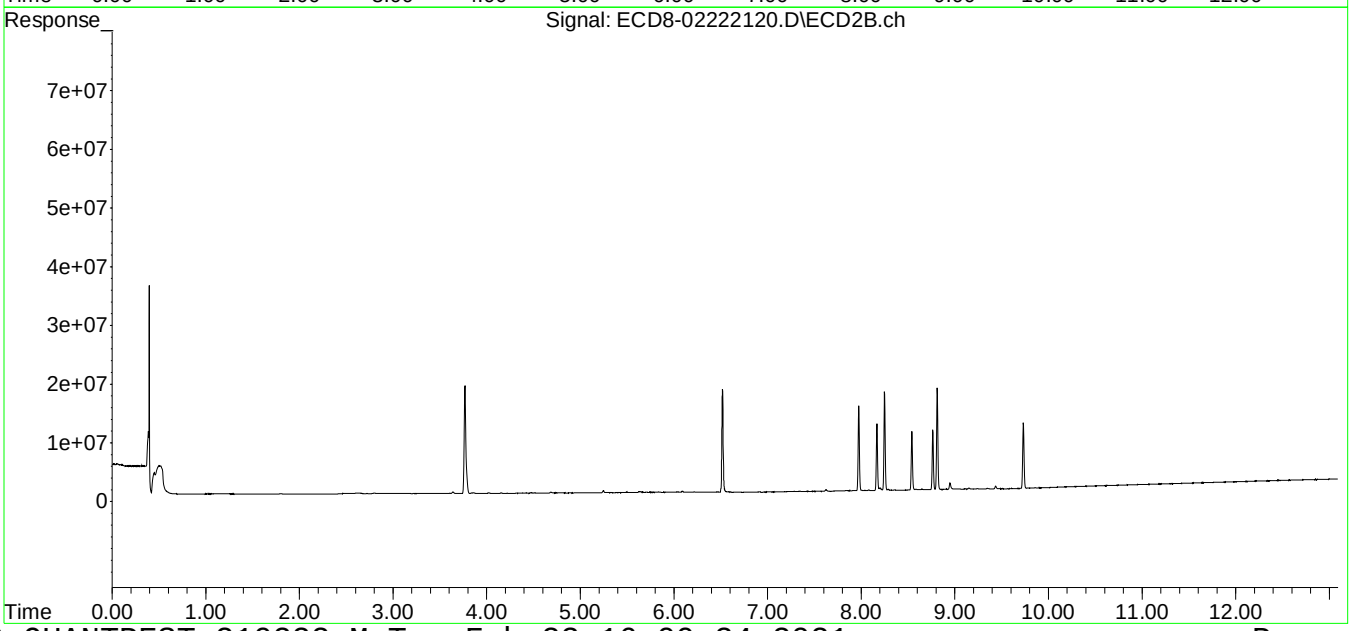
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:30
Operator : MJB
Sample : 1B22071-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:13:09 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:46
Operator : MJB
Sample : 1B22071-CALE MJB 2/23/21
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:13:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.463	3.770	33815879	38223828	11.541	10.595
24)	Hexachlor...	6.062	6.518	30466143	32152783	8.471	8.459
25)	Oxychlordane	7.551	7.973	25965576	26262955	8.440	8.353
26)	2,4'-DDE	7.617	8.168	20728712	20666712	9.091	8.848
27)	trans-Non...	7.806	8.249	29798426	29960662	8.657	8.445
28)	2,4'-DDD	7.999	8.541	17287796	17551974	8.709	8.398
29)	2,4'-DDT	8.180	8.764	18647054	17969327	9.085	9.864

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:46
Operator : MJB
Sample : 1B22071-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:13:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

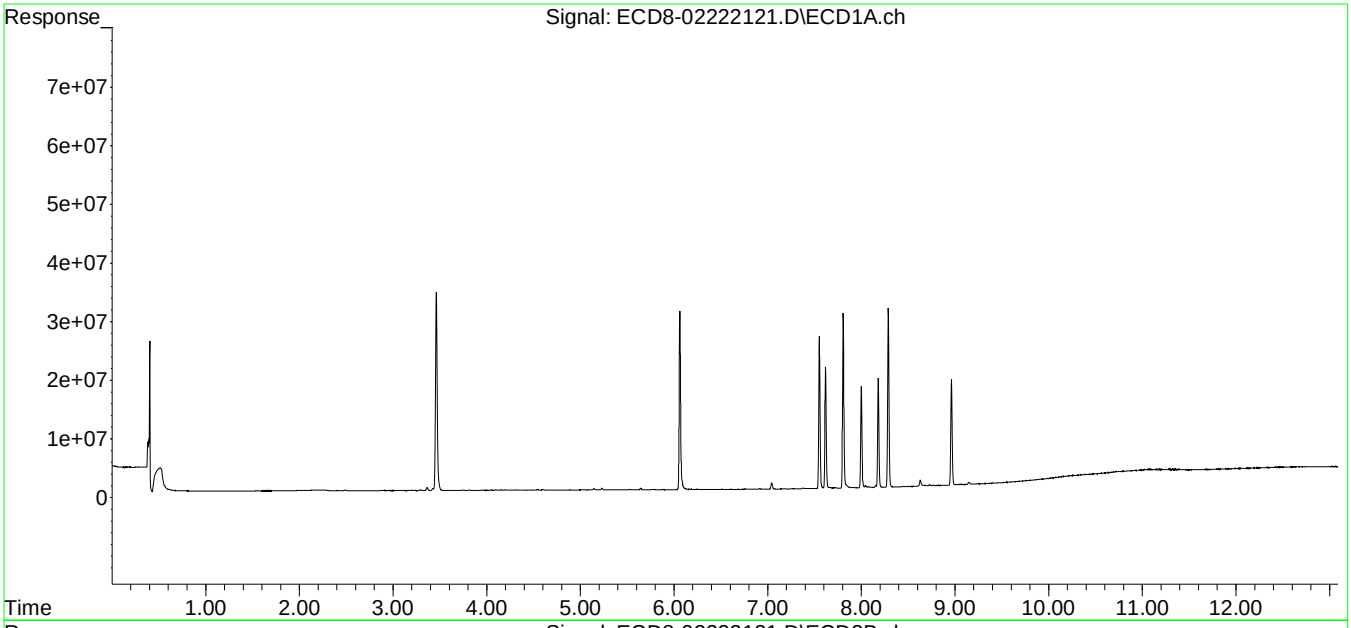
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.287	8.811	30557167	31198771	8.340	8.243
31)	Mirex	8.961	9.731	18015848	17589722	7.883	7.779
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

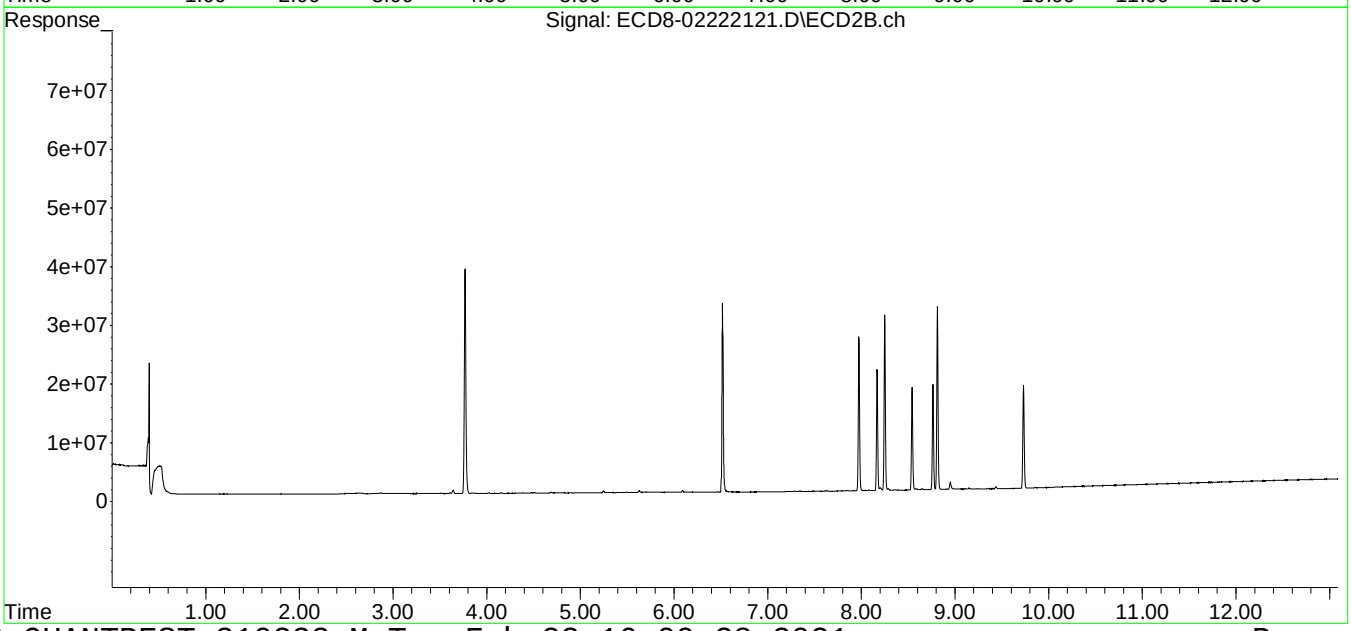
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Feb 2021 23:46
Operator : MJB
Sample : 1B22071-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:13:43 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:02
Operator : MJB
Sample : 1B22071-CALF MJB 2/23/21
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:14:20 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.461	3.769	81425185	93923754	28.050	26.034
24)	Hexachlor...	6.062	6.520	78397083	85289633	21.797	22.439
25)	Oxychlordane	7.552	7.975	65632206	69820741	21.334	22.206
26)	2,4'-DDE	7.618	8.168	53237868	55999217	23.348	23.975
27)	trans-Non...	7.807	8.250	76125922	81304083	22.117	22.918
28)	2,4'-DDD	8.001	8.543	44965047	48638614	22.652	23.271
29)	2,4'-DDT	8.182	8.767	48311296	50736802	23.538	26.860

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:02
Operator : MJB
Sample : 1B22071-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:14:20 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

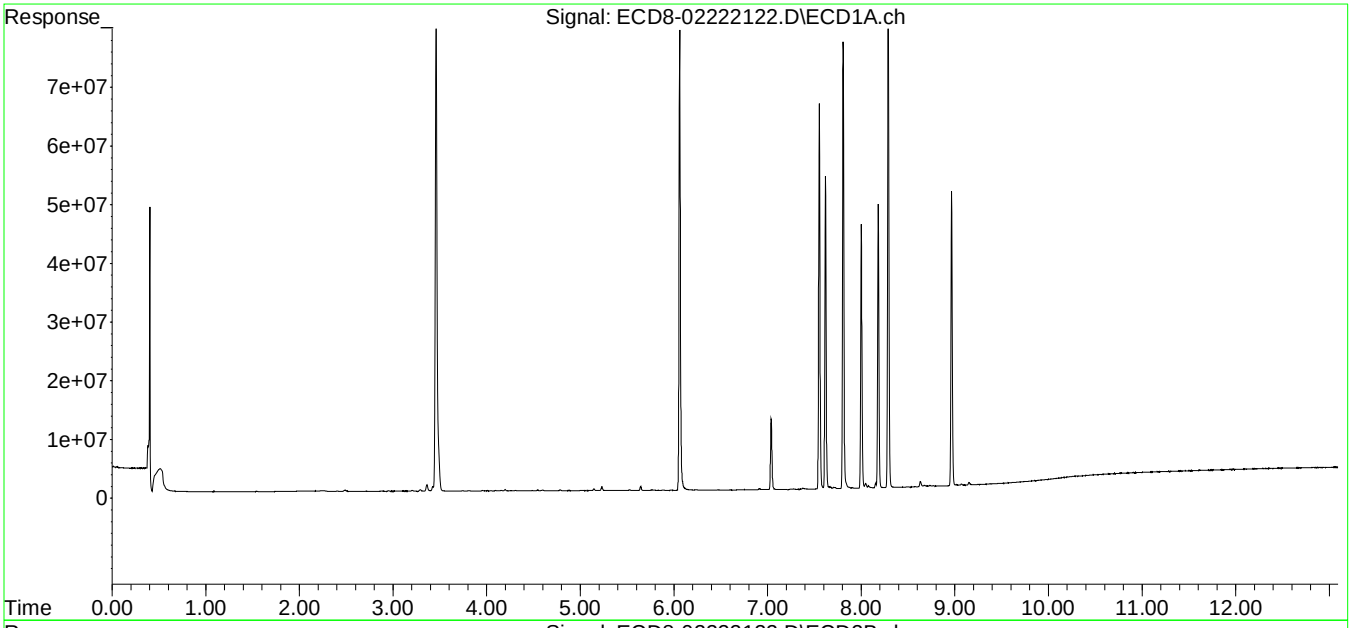
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.289	8.815	82853835	87229388	22.613	23.047
31)	Mirex	8.965	9.735	50147847	49375718	22.309	22.058
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:02
Operator : MJB
Sample : 1B22071-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:14:20 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:18
Operator : MJB
Sample : 1B22071-CALG MJB 2/23/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:50:40 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:49:19 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.464	3.770	169.8E6	203.8E6	58.817	56.503
24)	Hexachlor...	6.062	6.519	155.2E6	178.4E6	43.154	46.928
25)	Oxychlordane	7.550	7.973	129.8E6	140.5E6	42.196	44.693
26)	2,4'-DDE	7.615	8.166	105.3E6	114.2E6	46.193	48.884
27)	trans-Non...	7.804	8.248	150.2E6	160.3E6	43.623	45.181
28)	2,4'-DDD	7.998	8.541	87544358	94914438	44.102	45.412
29)	2,4'-DDT	8.179	8.765	100.5E6	105.0E6	48.947	52.567

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:18
Operator : MJB
Sample : 1B22071-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:50:40 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:49:19 2021
Response via : Initial Calibration
Integrator: ChemStation

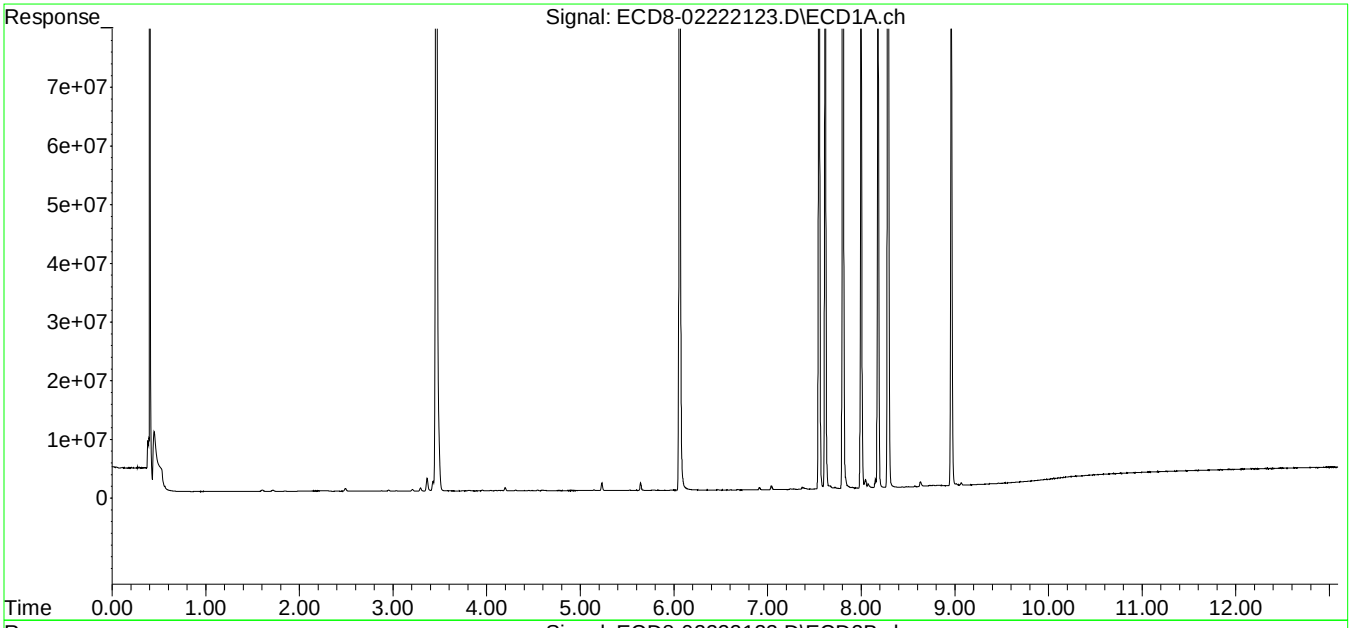
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	155.8E6	169.9E6	42.530	44.900
31)	Mirex	8.962	9.732	89981809	90706286	40.192	40.192
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:18
Operator : MJB
Sample : 1B22071-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:50:40 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:49:19 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:35
Operator : MJB
Sample : 1B22071-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:14:58 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.463	3.770	310.9E6	386.1E6	108.348	107.013
24)	Hexachlor...	6.063	6.519	315.7E6	365.0E6	87.778	96.041
25)	Oxychlordane	7.550	7.973	264.0E6	300.6E6	85.813	95.598
26)	2,4'-DDE	7.615	8.166	214.7E6	244.1E6	94.172	104.505
27)	trans-Non...	7.804	8.249	312.0E6	345.8E6	90.635	97.471
28)	2,4'-DDD	7.998	8.541	181.0E6	210.1E6	91.203	100.530
29)	2,4'-DDT	8.179	8.765	207.7E6	225.0E6	101.216	101.797

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:35
Operator : MJB
Sample : 1B22071-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

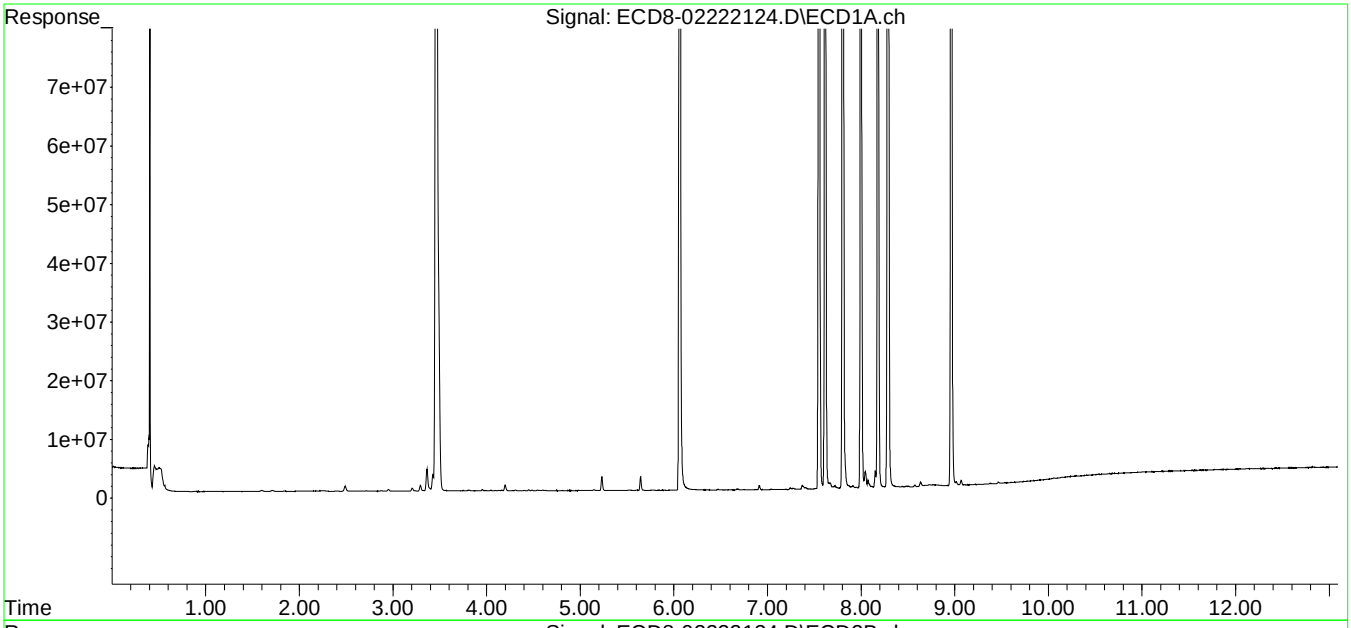
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:14:58 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

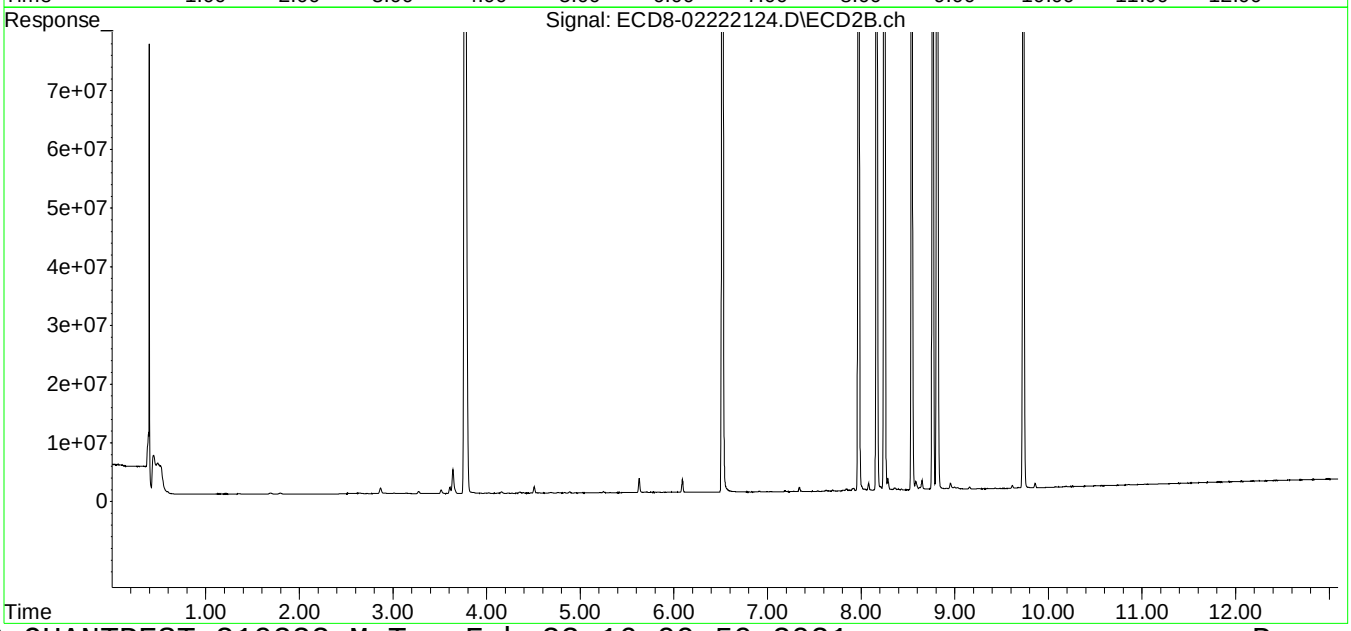
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.812	328.5E6	380.3E6	89.663	100.484
31)	Mirex	8.962	9.732	197.0E6	208.7E6	88.225	89.581
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:35
Operator : MJB
Sample : 1B22071-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:14:58 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:51
Operator : MJB
Sample : 1B22071-CALI MJB 2/23/21
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:15:32 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.463	3.770	687.1E6	868.0E6	242.794	240.582
24)	Hexachlor...	6.063	6.520	663.1E6	794.5E6	184.356	209.026
25)	Oxychlordane	7.550	7.973	553.4E6	635.4E6	179.902	202.073
26)	2,4'-DDE	7.614	8.167	420.3E6	499.4E6	184.335	213.790
27)	trans-Non...	7.804	8.249	611.7E6	730.1E6	177.712	205.786
28)	2,4'-DDD	7.997	8.541	369.8E6	439.5E6	186.319	210.300
29)	2,4'-DDT	8.179	8.765	426.9E6	481.6E6	207.982	186.864

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:51
Operator : MJB
Sample : 1B22071-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:15:32 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

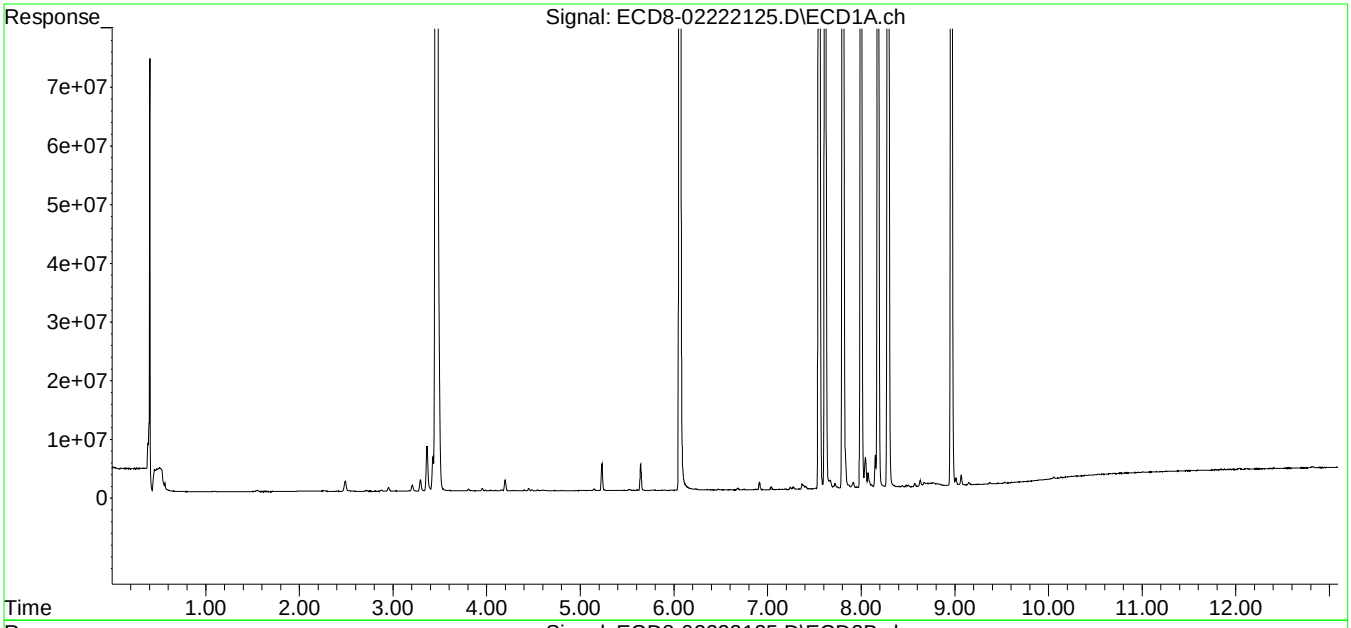
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.286	8.813	692.4E6	806.0E6	188.974	212.945
31)	Mirex	8.962	9.732	404.4E6	435.2E6	181.358	176.246
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

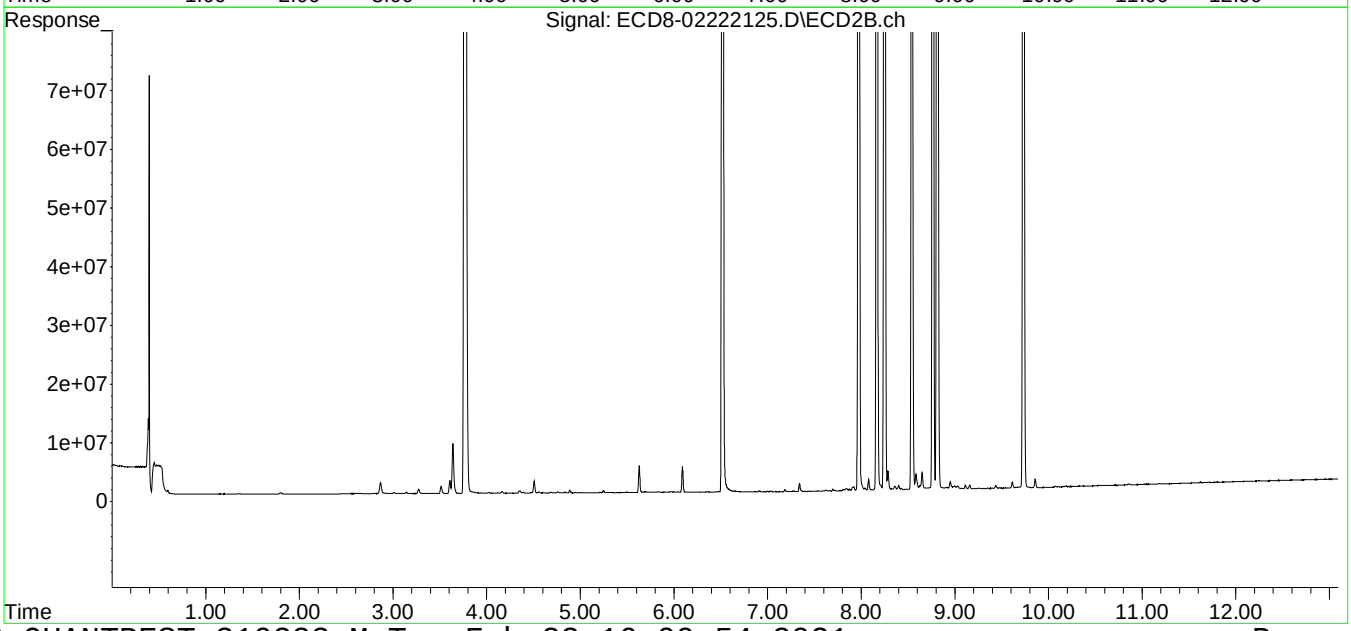
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 00:51
Operator : MJB
Sample : 1B22071-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:15:32 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

NR. Standard contaminated with trace levels of pesticide standard. Standard remade and re-analyzed.

MJB 2/23/21

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:40
Operator : MJB
Sample : 1B22071-CALJ
Misc : A21B428, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:17:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:40
Operator : MJB
Sample : 1B22071-CALJ
Misc : A21B428, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:17:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

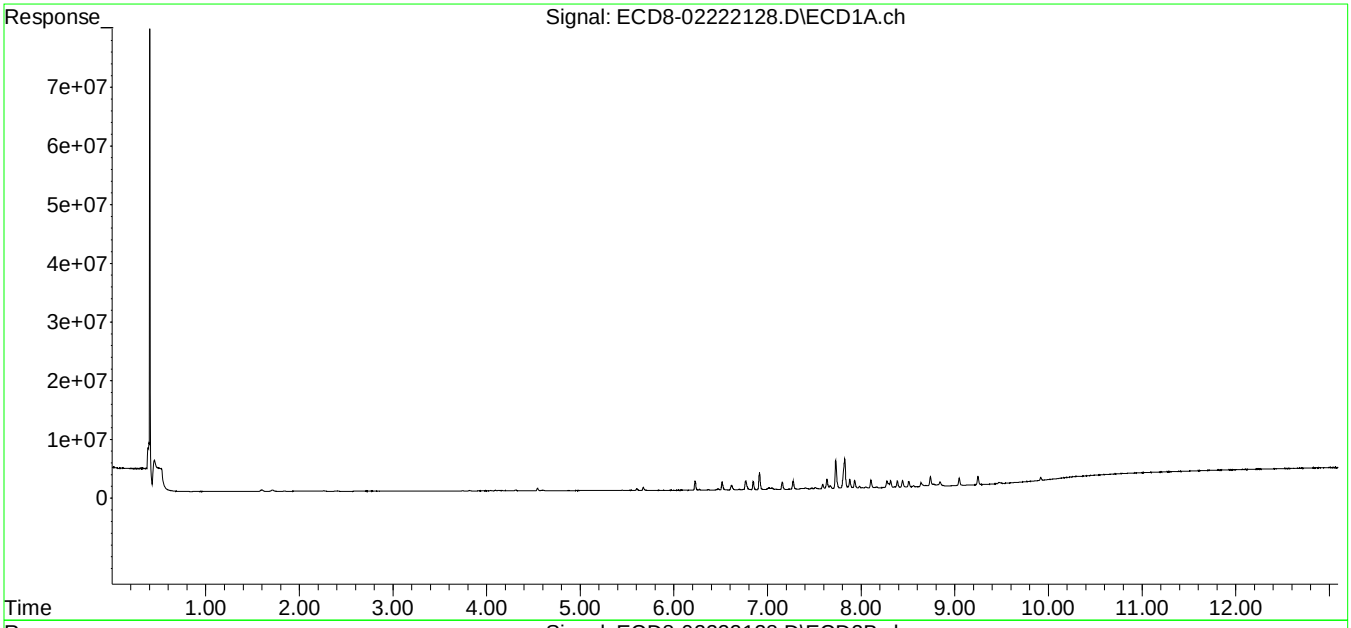
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.728	8.186	4840173	5279466	13.208	12.711
33)	Chlordane...	7.824	8.293	5045874	4697356	13.711	13.424
34)	Chlordane...	8.386	8.956	1127326	1839784	9.824	16.171 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

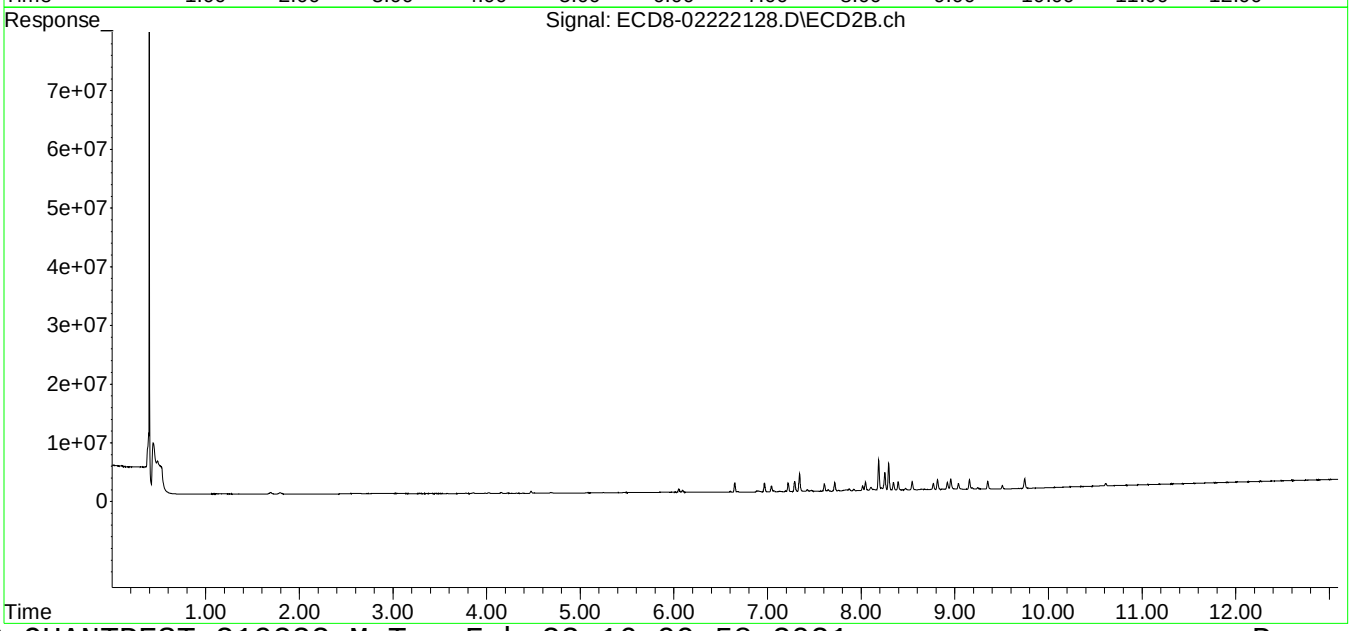
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:40
Operator : MJB
Sample : 1B22071-CALJ
Misc : A21B428, CHLOR 10 ppb
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:17:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:56
Operator : MJB
Sample : 1B22071-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:17:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:56
Operator : MJB
Sample : 1B22071-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:17:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

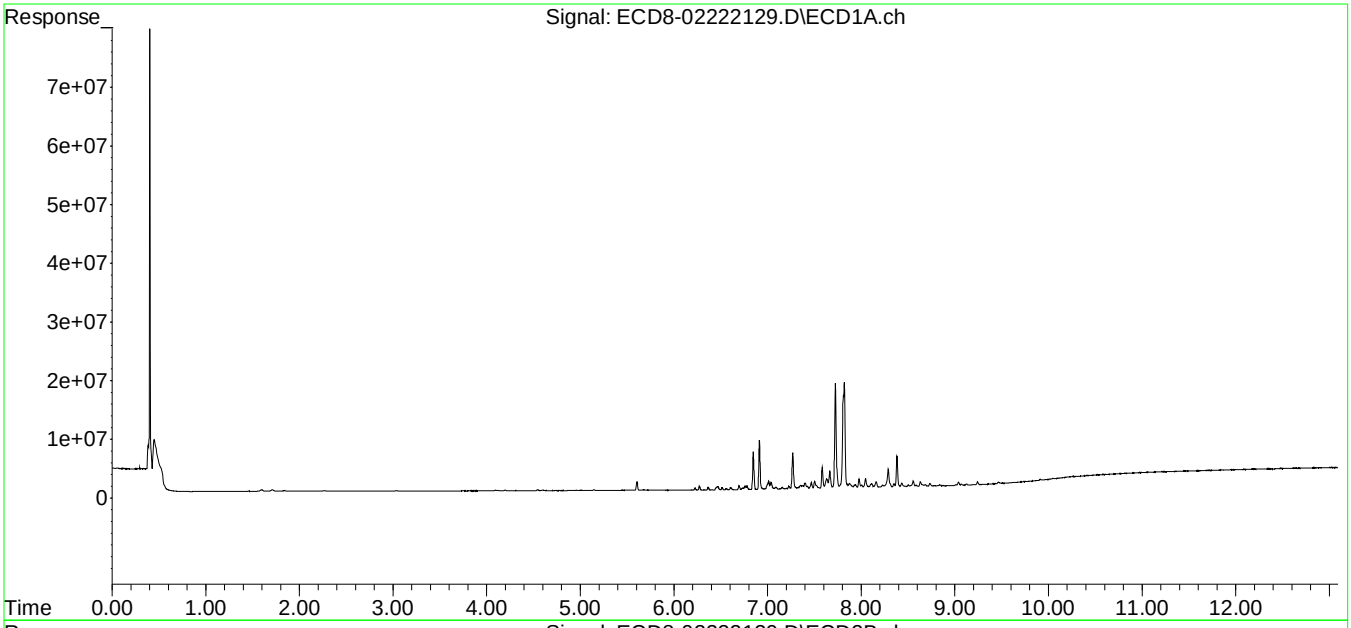
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.724	8.184	17851422	19070415	48.712	45.913
33)	Chlordane...	7.820	8.291	18023843	16283719	48.975	46.536
34)	Chlordane...	8.382	8.953	5278298	5948956	45.998	52.290
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

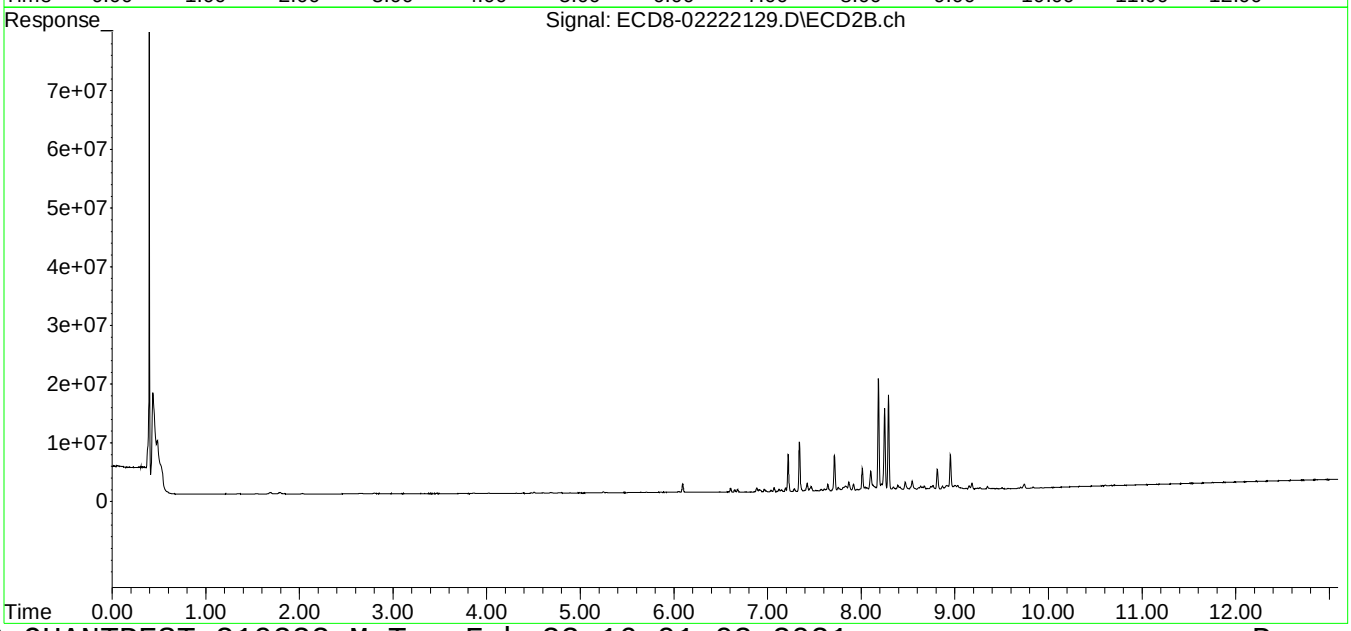
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 1:56
Operator : MJB
Sample : 1B22071-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:17:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:12
Operator : MJB
Sample : 1B22071-CALL MJB 2/23/21
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:18:22 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:12
Operator : MJB
Sample : 1B22071-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:18:22 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

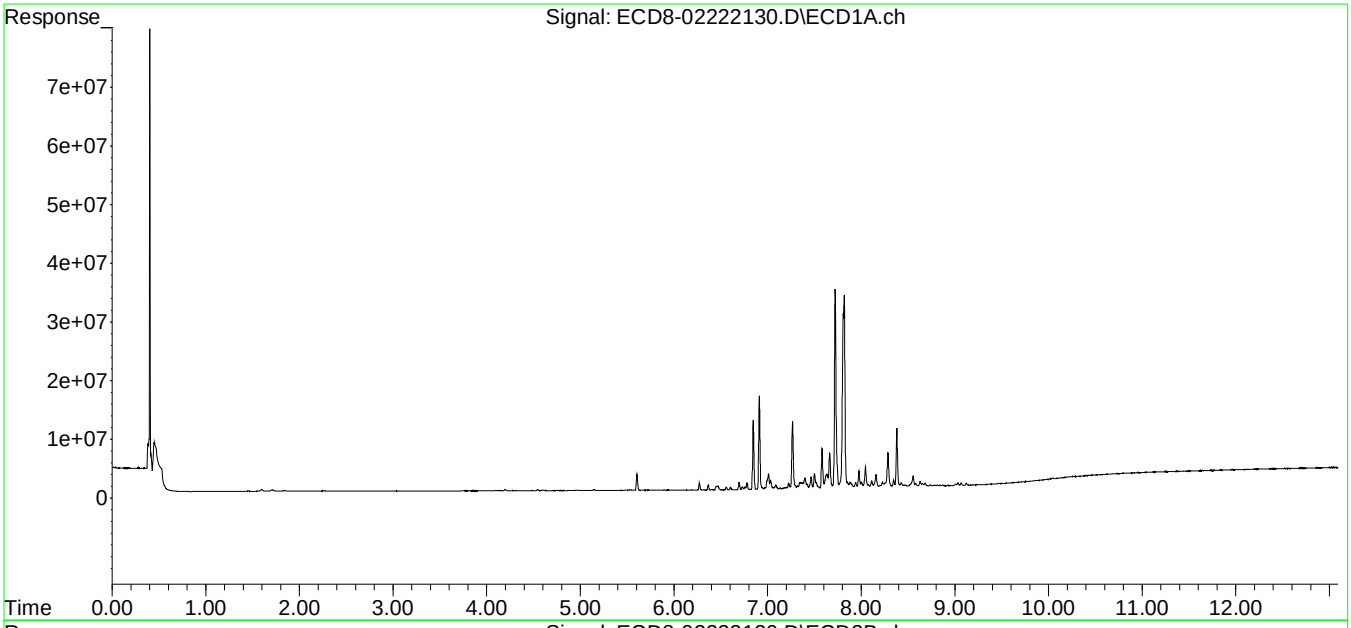
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.721	8.183	33851343	36977638	92.372	89.025
33)	Chlordane...	7.818	8.290	32854066	30689828	89.272	87.707
34)	Chlordane...	8.380	8.952	10002392	10165660	87.167	89.355
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

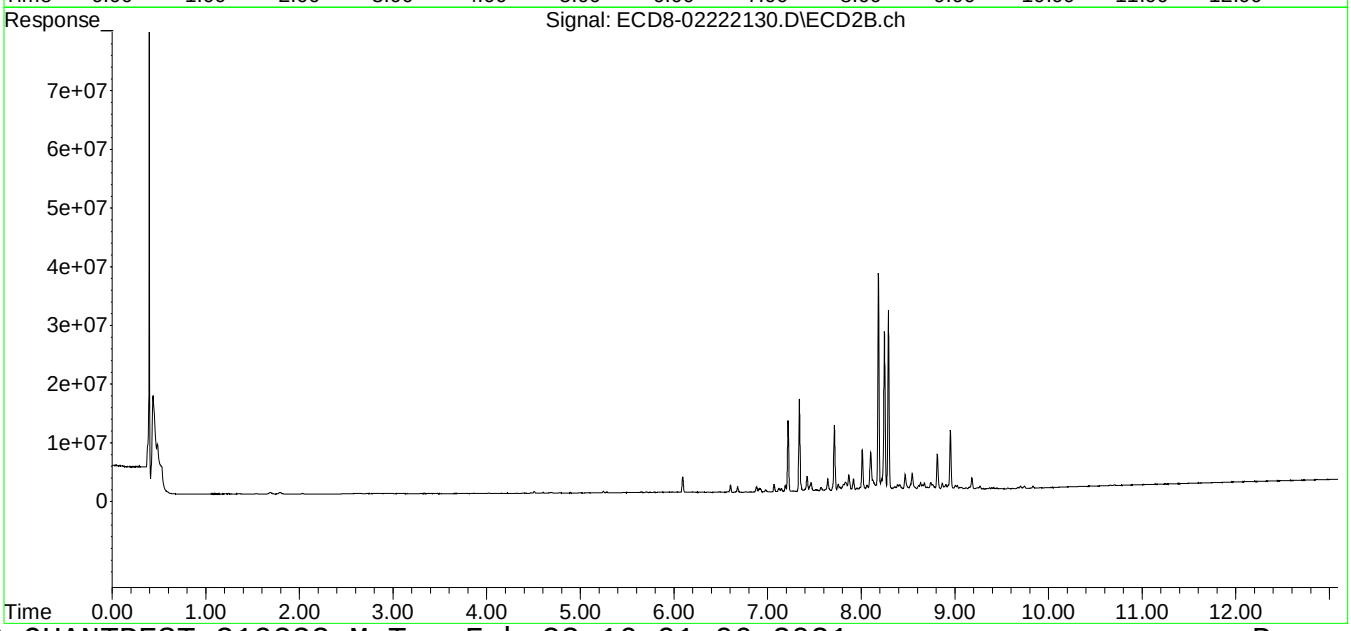
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:12
Operator : MJB
Sample : 1B22071-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:18:22 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:28
Operator : MJB
Sample : 1B22071-CALM MJB 2/23/21
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:18:54 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:28
Operator : MJB
Sample : 1B22071-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:18:54 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

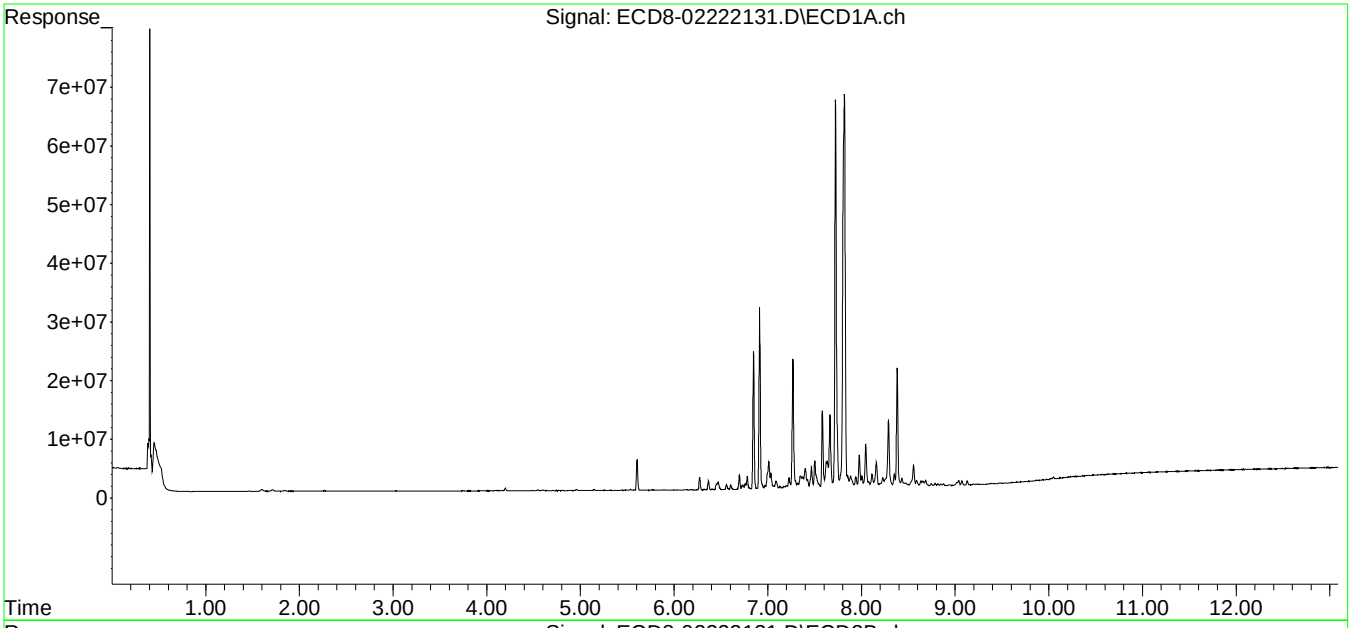
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.722	8.183	66077764	75676309	180.311	182.194
33)	Chlordane...	7.818	8.290	66989579	62512842	182.026	178.652
34)	Chlordane...	8.381	8.953	20189624	20473908	175.945	179.963
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

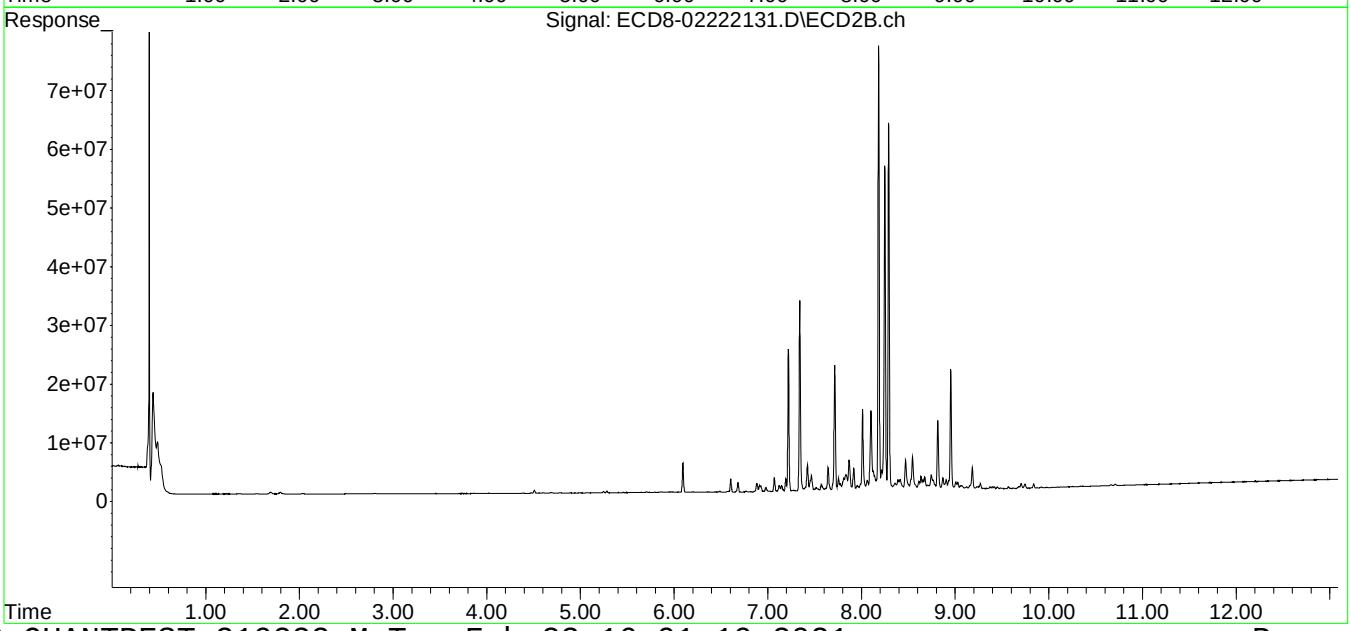
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:28
Operator : MJB
Sample : 1B22071-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:18:54 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:44
Operator : MJB
Sample : 1B22071-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:52:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:51:26 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:44
Operator : MJB
Sample : 1B22071-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:52:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:51:26 2021
Response via : Initial Calibration
Integrator: ChemStation

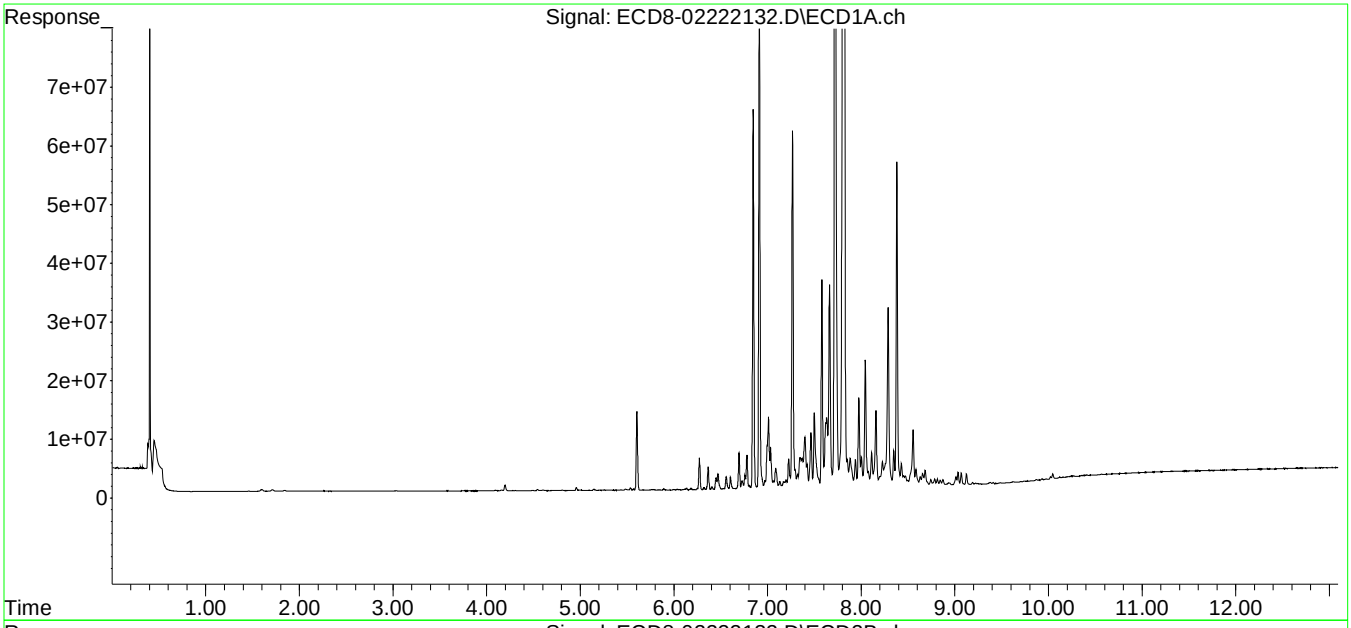
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.720	8.183	180.9E6	215.6E6	493.719	519.159
33)	Chlordane...	7.816	8.290	177.5E6	178.4E6	482.383	509.949
34)	Chlordane...	8.380	8.952	55171659	54913459	480.801	482.681
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222132.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 2:44
Operator : MJB
Sample : 1B22071-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:52:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:51:26 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:01
Operator : MJB
Sample : 1B22071-CALO MJB 2/23/21
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:19:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:01
Operator : MJB
Sample : 1B22071-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:19:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

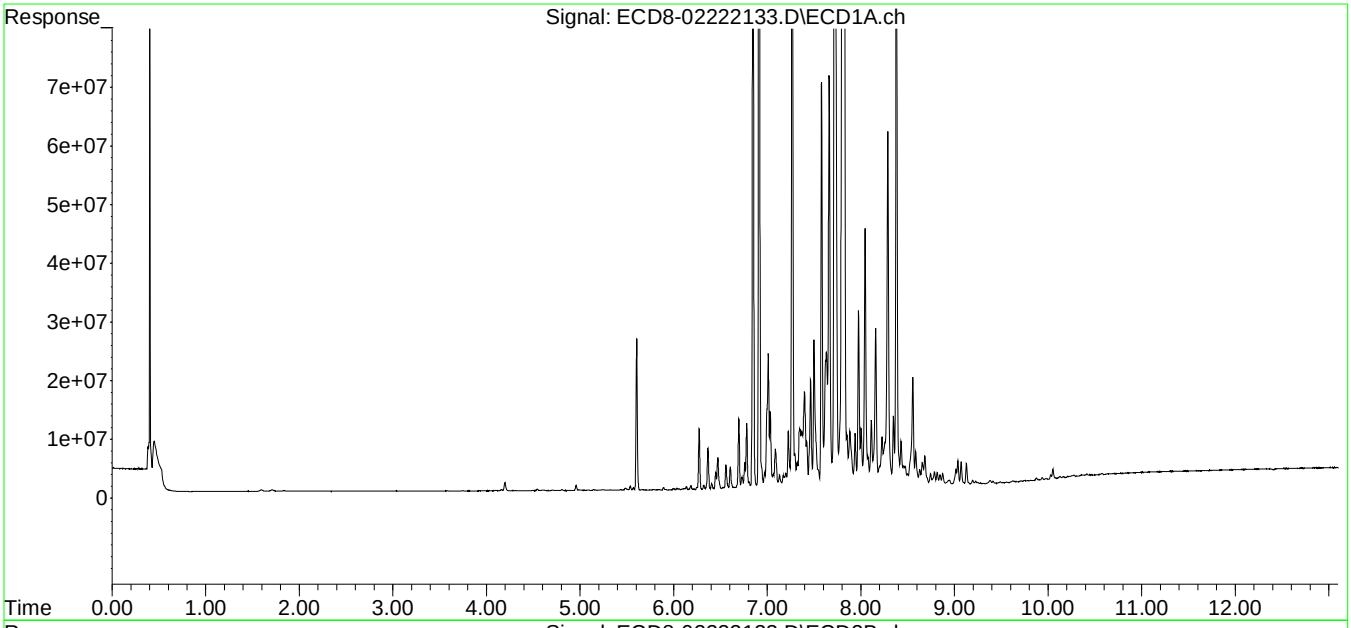
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.722	8.183	351.0E6	425.6E6	957.704	1024.720
33)	Chlordane...	7.817	8.291	336.8E6	362.3E6	915.035	1035.288
34)	Chlordane...	8.380	8.953	108.2E6	113.4E6	943.266	996.452
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

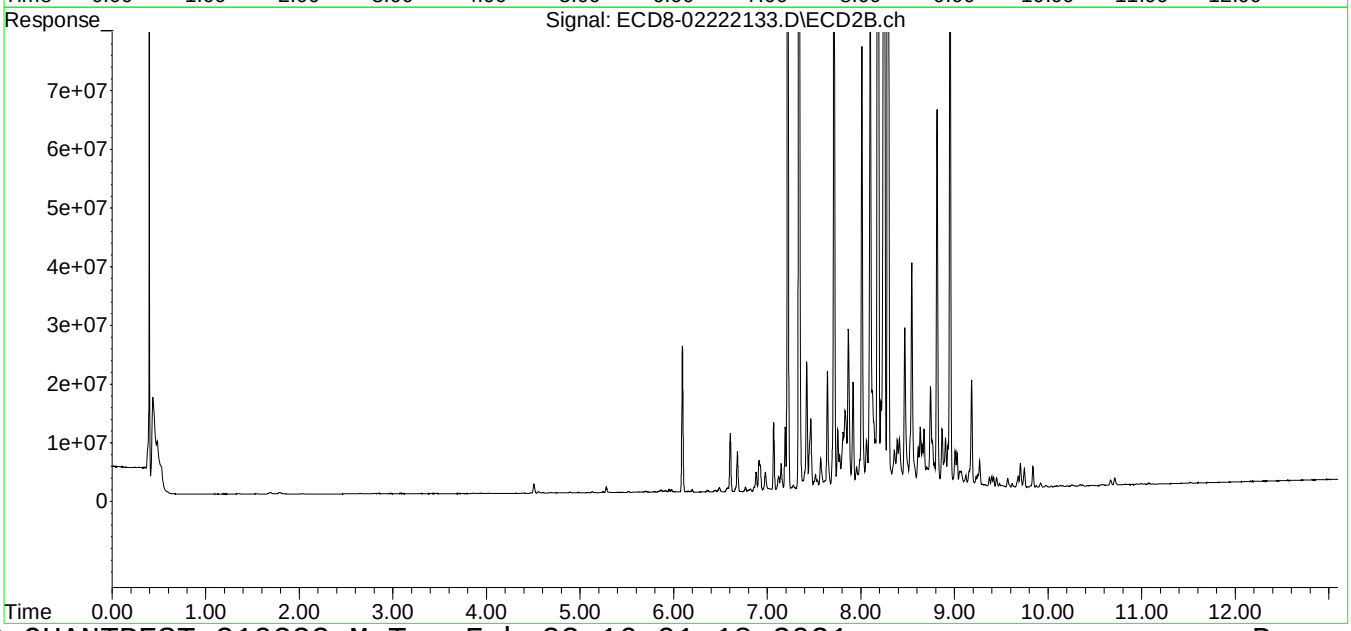
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:01
Operator : MJB
Sample : 1B22071-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:19:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:17
Operator : MJB
Sample : 1B22071-CALP MJB 2/23/21
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:19:58 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:17
Operator : MJB
Sample : 1B22071-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:19:58 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

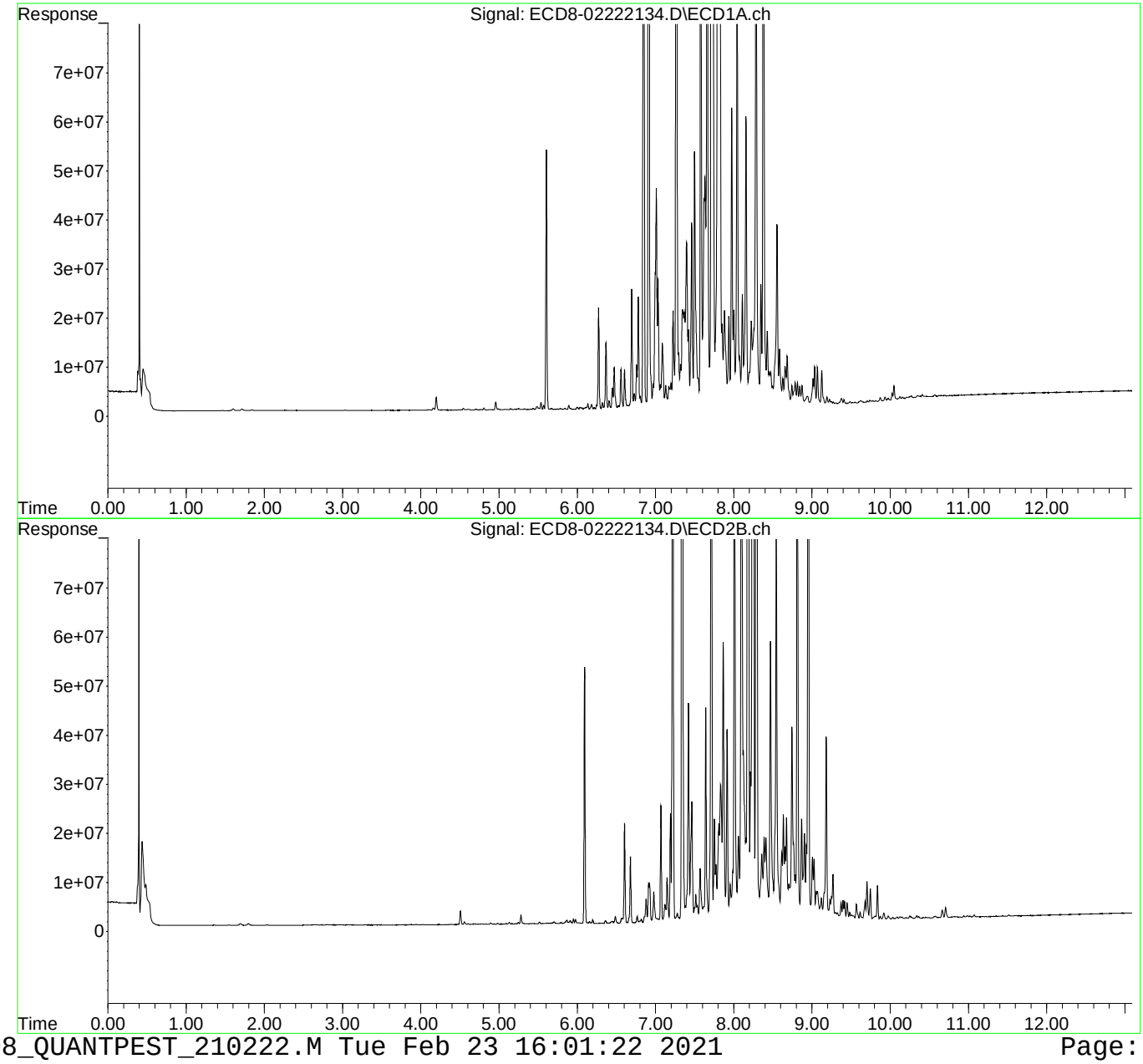
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.720	8.182	732.3E6	925.9E6	1998.219	2229.237
33)	Chlordane...	7.817	8.290	687.0E6	736.8E6	1866.663	2105.582
34)	Chlordane...	8.380	8.952	216.8E6	230.2E6	1889.457	2023.374
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222134.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 3:17
Operator : MJB
Sample : 1B22071-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:19:58 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:06
Operator : MJB
Sample : 1B22071-CALQ
Misc : A21B429, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

NR. Standard contaminated with trac
levels of pesticide standard. Standar
remade and re-analyzed.

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:20:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:06
Operator : MJB
Sample : 1B22071-CALQ
Misc : A21B429, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:20:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

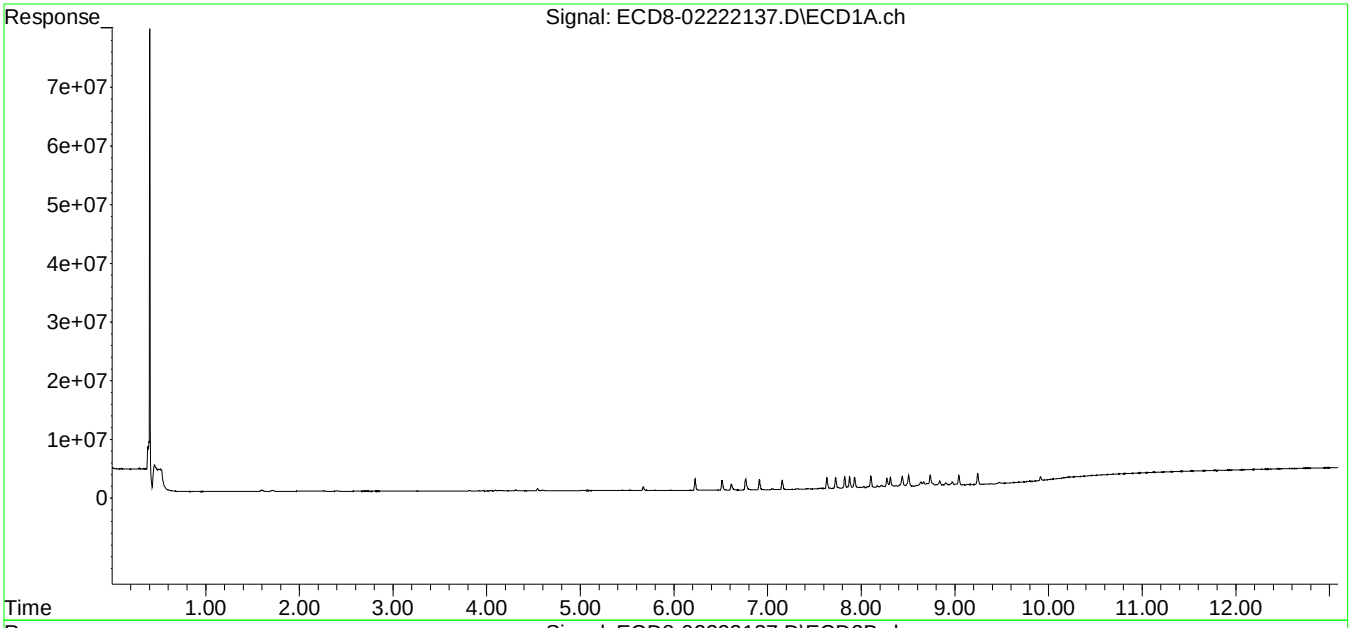
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.823f	8.543f	1966801	1924726	132.206	50.643 #
37)	Toxaphene...	8.102	8.873	1986274	476002	60.302	10.097 #
38)	Toxaphene...	8.437	8.916	1755370	1837713	25.321	26.129
39)	Toxaphene...	8.665	8.973	750624	1235312	10.086	10.369
40)	Toxaphene...	8.901	9.153	456472	2365594	7.689	34.338 #
41)	Toxaphene...	8.973	9.531	575516	654011	8.548	8.734
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222137.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:06
Operator : MJB
Sample : 1B22071-CALQ
Misc : A21B429, TOX 10 ppb
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:20:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:22
Operator : MJB
Sample : 1B22071-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:23:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:22
Operator : MJB
Sample : 1B22071-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:23:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

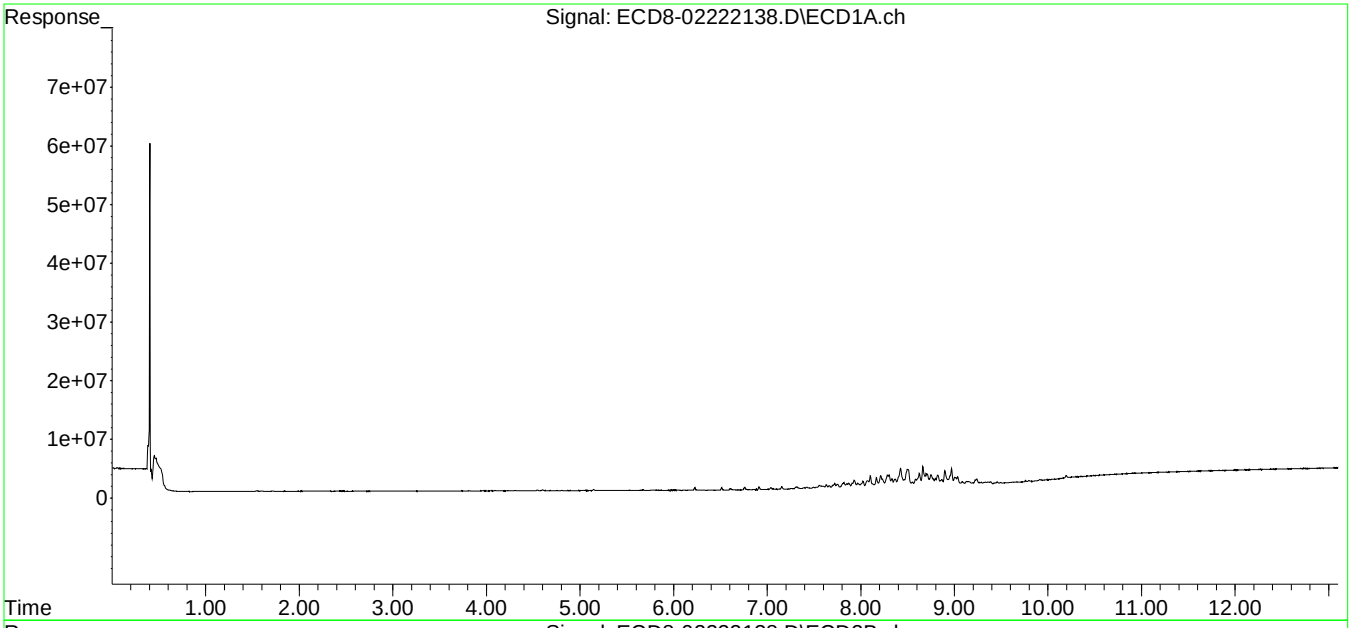
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.819	8.520	868189	1686629	58.359	44.378
37)	Toxaphene...	8.101	8.871	1904840	1961244	57.830	41.601 #
38)	Toxaphene...	8.424	8.905	3029220	2972853	43.697	42.268
39)	Toxaphene...	8.662	8.972	3231157	4585121	43.418	38.488
40)	Toxaphene...	8.898	9.151	2449110	3077821	41.256	44.677
41)	Toxaphene...	8.969	9.529	2794370	2855345	41.506	38.131
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222138.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:22
Operator : MJB
Sample : 1B22071-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:23:34 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:38
Operator : MJB
Sample : 1B22071-CALS MJB 2/23/21
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:24:33 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:38
Operator : MJB
Sample : 1B22071-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:24:33 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

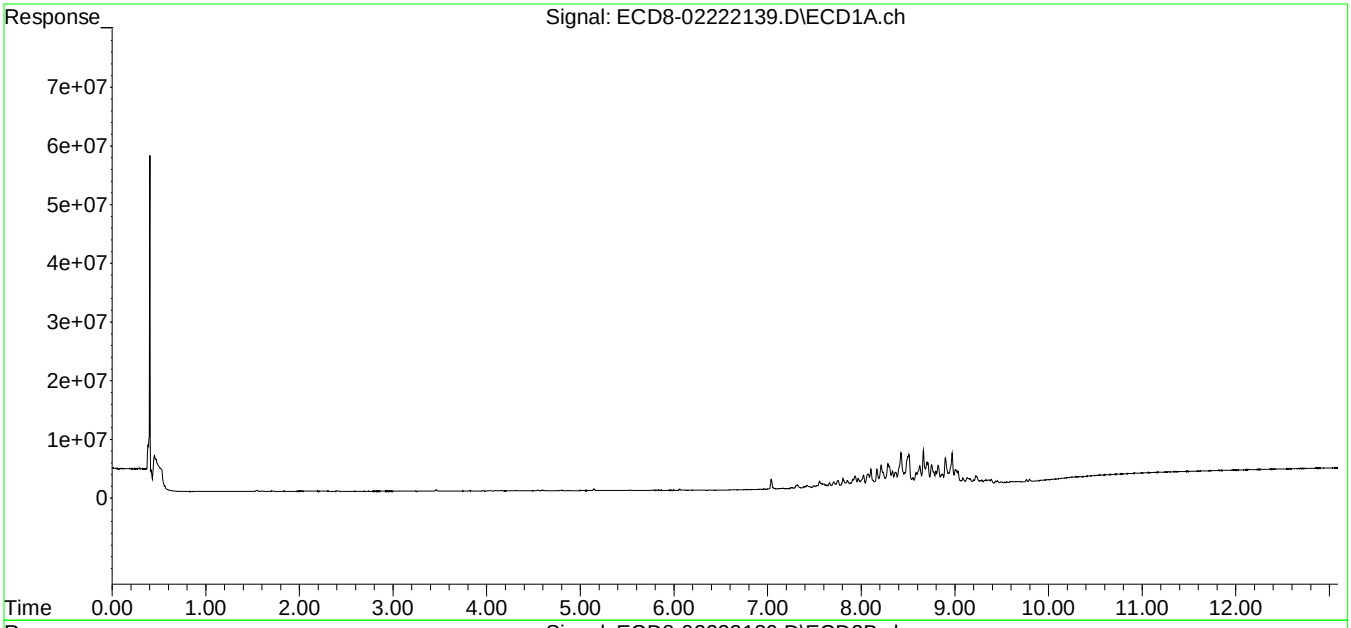
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.806	8.520	1440138	3106543	96.804	81.739
37)	Toxaphene...	8.102	8.872	2964252	3725171	89.993	79.016
38)	Toxaphene...	8.424	8.905	5609870	5410474	80.923	76.927
39)	Toxaphene...	8.663	8.973	5961327	9030733	80.103	75.804
40)	Toxaphene...	8.898	9.151	4547161	5204230	76.599	75.544
41)	Toxaphene...	8.970	9.529	5305290	5401052	78.801	72.128
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:38
Operator : MJB
Sample : 1B22071-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:24:33 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:54
Operator : MJB
Sample : 1B22071-CALT MJB 2/23/21
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:25:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:54
Operator : MJB
Sample : 1B22071-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:25:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

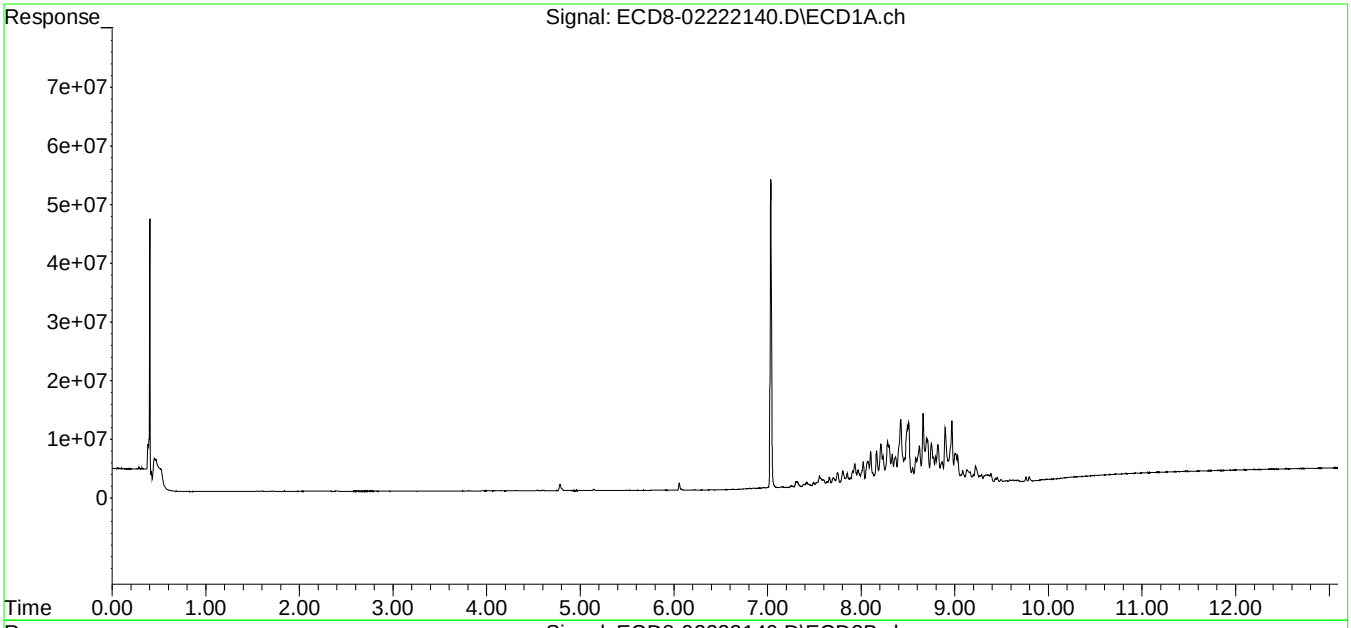
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.803	8.518	2647827	6044247	177.984	159.036
37)	Toxaphene...	8.101	8.870	5861871	7397244	177.963	156.906
38)	Toxaphene...	8.422	8.903	11217355	10793321	161.812	153.461
39)	Toxaphene...	8.661	8.972	12057055	17925372	162.013	150.466
40)	Toxaphene...	8.897	9.150	9534372	10608715	160.611	153.994
41)	Toxaphene...	8.968	9.527	10682954	10797928	158.677	144.200
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 4:54
Operator : MJB
Sample : 1B22071-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:25:06 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:10
Operator : MJB
Sample : 1B22071-CALU MJB 2/23/21
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:54:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:52:59 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:10
Operator : MJB
Sample : 1B22071-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:54:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:52:59 2021
Response via : Initial Calibration
Integrator: ChemStation

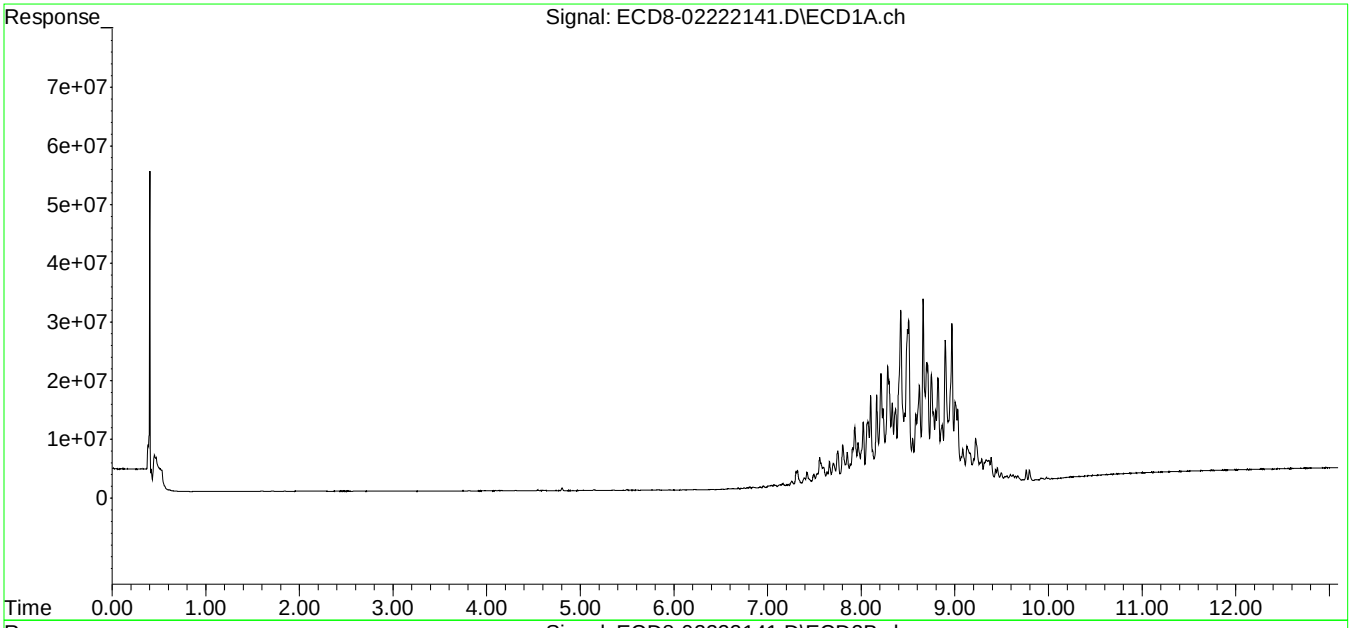
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.803	8.519	6980111	15136847	469.195	398.280
37)	Toxaphene...	8.100	8.871	15291283	19246533	464.235	408.247
38)	Toxaphene...	8.422	8.904	29730815	28462823	428.871	404.689
39)	Toxaphene...	8.661	8.972	31451895	47556533	422.624	399.191
40)	Toxaphene...	8.897	9.151	24329694	27907934	409.845	405.106
41)	Toxaphene...	8.968	9.528	27178501	28324396	403.690	378.255
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:10
Operator : MJB
Sample : 1B22071-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 09:54:57 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:52:59 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:27
Operator : MJB
Sample : 1B22071-CALV MJB 2/23/21
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:25:45 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:27
Operator : MJB
Sample : 1B22071-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:25:45 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

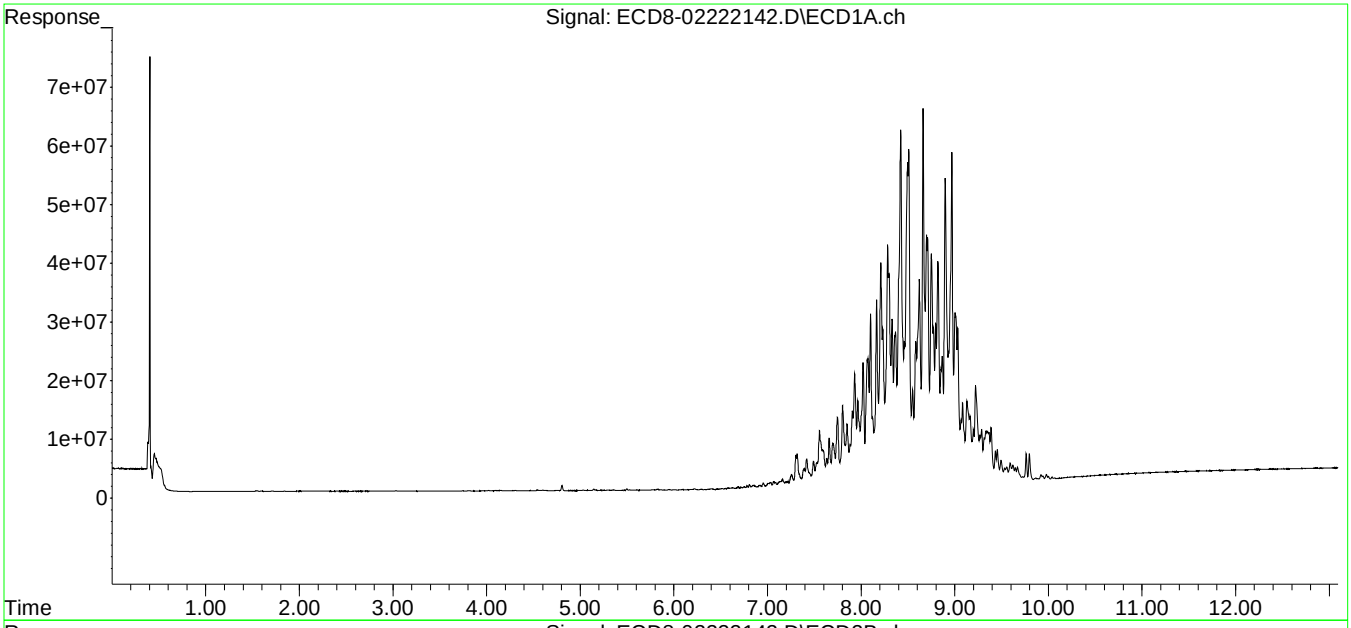
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.802	8.518	13651040	30688803	917.608	807.482
37)	Toxaphene...	8.100	8.871	29130086	39895889	884.373	846.249
38)	Toxaphene...	8.422	8.904	60329371	58691222	870.260	834.481
39)	Toxaphene...	8.661	8.973	63797261	99263208	857.254	833.218
40)	Toxaphene...	8.897	9.151	51870061	57570149	873.775	835.677
41)	Toxaphene...	8.968	9.528	56217871	60678193	835.020	810.320
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222142.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:27
Operator : MJB
Sample : 1B22071-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:25:45 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:43
Operator : MJB
Sample : 1B22071-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:26:24 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:43
Operator : MJB
Sample : 1B22071-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:26:24 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

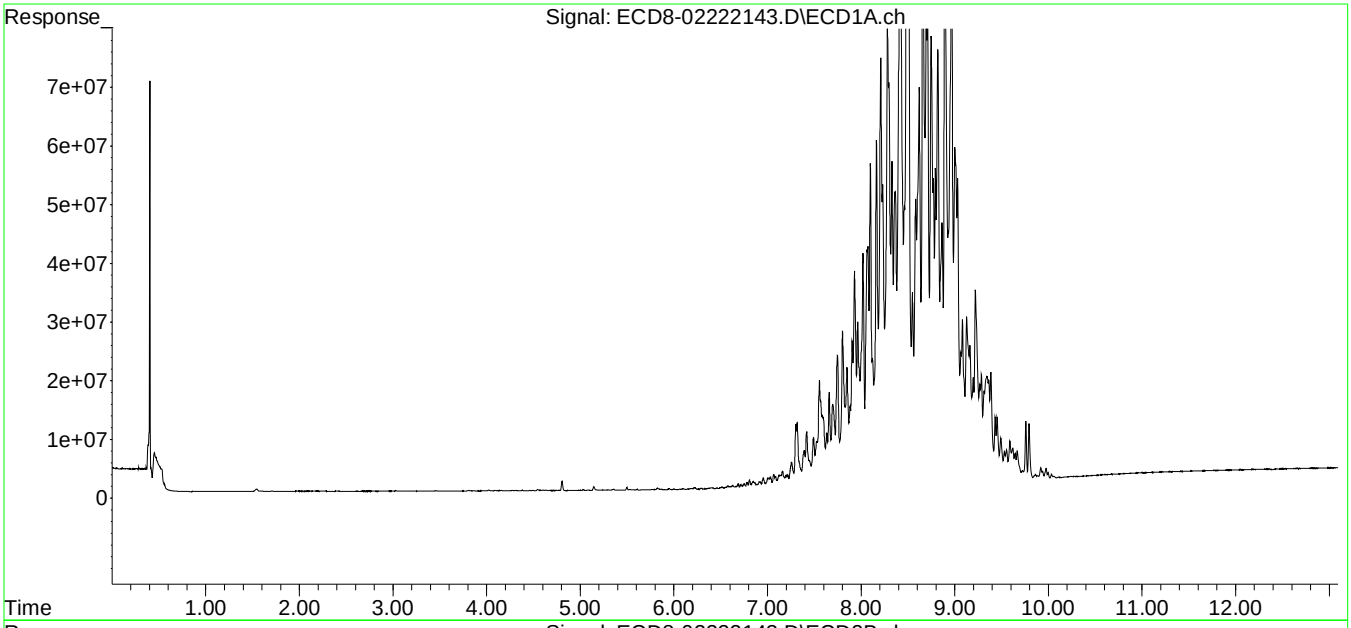
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.801	8.517	26160089	60754066	1758.452	1598.557
37)	Toxaphene...	8.098	8.869	54599876	77657816	1657.622	1647.234
38)	Toxaphene...	8.420	8.903	114.6E6	114.6E6	1653.650	1629.779
39)	Toxaphene...	8.659	8.971	124.1E6	197.3E6	1667.963	1656.099
40)	Toxaphene...	8.895	9.150	99913254	115.5E6	1683.084	1677.136
41)	Toxaphene...	8.967	9.527	108.3E6	124.6E6	1609.240	1663.484
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 5:43
Operator : MJB
Sample : 1B22071-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 10:26:24 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



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

Organochlorine Pesticides by EPA 8081B
Calibration Data

Sequence 1B25056 (Cal ID A1B2503) DUALECD8

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1B25056**	Instrument:	**DUALECD8**
Date:	**02/25/21 14:50**	Calibration:	**A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1B25056-BKD1	Water	QC	QC				A20K279
2	1B25056-ICB1	Water	QC	QC				A21B195
3	1B25056-CAL1	Water	QC	QC				A21B443
4	1B25056-CAL2	Water	QC	QC				A21B444
5	1B25056-CAL3	Water	QC	QC				A21B445
6	1B25056-CAL4	Water	QC	QC				A21B446
7	1B25056-CAL5	Water	QC	QC				A21B447

ICAL

Data Entered By/Date: MJB 2/25/21

Data Reviewed By/Date: MKZ 3/5/2021

Comments: Remade low level Cal points. Files originally ran in sequcene 1B22071, but moved to this sequence due to Element limits on the number of Cal files that can propagate a sequence.

Sequence:	**1B25056**	Instrument:	**DUALECD8**
Date:	**02/25/21 14:50**	Calibration:	**A1B2503**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B25056

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additionals
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pest + Add (250mL) - Development
608.3 Pesticides (DDT Only)
608.3 Pesticides (SW)
608.3 Pesticides (SW) Full List
608.3 Pesticides (TTO)
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
1B25056-ICB1	Initial Cal Blank	Water	A21B195		2/25/2021 2:50:00PM
1B25056-CAL1	Cal Standard	Water	A21B443	"	2/25/2021 2:50:00PM
1B25056-CAL2	Cal Standard	Water	A21B444	"	2/25/2021 2:50:00PM
1B25056-CAL3	Cal Standard	Water	A21B445	"	2/25/2021 2:50:00PM
1B25056-CAL4	Cal Standard	Water	A21B446	"	2/25/2021 2:50:00PM
1B25056-CAL5	Cal Standard	Water	A21B447	"	2/25/2021 2:50:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1B2503** Instrument: **DUALECD8F**

1311/8081B TCLP Pest Reg L Sequence: **1B25056** Matrix: **Water**

1B25056-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B25056-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B25056-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B25056-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1B25056-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1B25056

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: Instrument:

Sequence: Matrix:

	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.056	300.9E6	354.3E6	93.839	104.070	
22) S	DCBP (S)	9.910	10.605	190.1E6	172.6E6	99.006	99.379	
	Target Compounds							
2)	a-BHC	0.000	6.651	0	14146	N.D.	0.003	#
3)	g-BHC	6.489f	6.989f	24678	25753	0.007	0.007	
4)	b-BHC	6.580	7.020	19392	15242	0.012	BelowCal	#
5)	Heptachlor	6.917	7.332	33821	21099	0.010	0.006	#
6)	d-BHC	6.753	7.290	14503	21196	0.004	BelowCal	#
7)	Aldrin	0.000	7.628f	0	414613	N.D.	0.118	#
8)	Heptachlo...	7.621	8.045	19453	27153	0.006	0.008	#
9)	trans-Chl...	7.710	8.203f	282728	648979	0.088	0.193	#
10)	cis-Chlor...	7.807	8.296	21788	47825	0.007	0.015	#
11)	Endosulfa...	7.909	8.338	53168	21763	0.018	0.007	#
12)	4,4'-DDE	7.873	8.389	186132	18389	0.054	0.005	#
13)	Dieldrin	8.098	8.524	23843	24675	0.008	0.008	
14)	Endrin	8.272	8.771	16891	55704	0.007	0.025	#
15)	4,4'-DDD	8.313	8.809	10202	28282	0.004	0.010	#
16)	Endosulfa...	8.430	8.893	14075	43694	0.006	0.016	#
17)	4,4'-DDT	8.498	9.017	21951	87507	0.009	0.001	#
18)	Endrin Al...	8.732	9.156	78094	80673	BelowCal	BelowCal	
19)	Endosulfa...	9.041	9.355	32360	58687	0.013	0.022	#
20)	Methoxychlor	8.825	9.499	35339	45571	0.028	0.035	
21)	Endrin Ke...	9.230	9.736	9417	60811	0.003	BelowCal	#
23)	Hexachlor...	0.000	3.783	0	57624	N.D.	0.014	#
24)	Hexachlor...	6.065	6.519	505756	45354	0.155	0.013	#
25)	Oxychlordane	7.548	7.983	26438	17036	0.010	0.006	#
26)	2,4'-DDE	7.621	8.144f	19453	11747	0.009	0.005	#
27)	trans-Non...	7.807	8.283f	21788	53854	0.007	0.016	#
28)	2,4'-DDD	0.000	8.524	0	24675	N.D.	BelowCal	
29)	2,4'-DDT	8.176	8.759	11622	52164	0.006	0.025	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

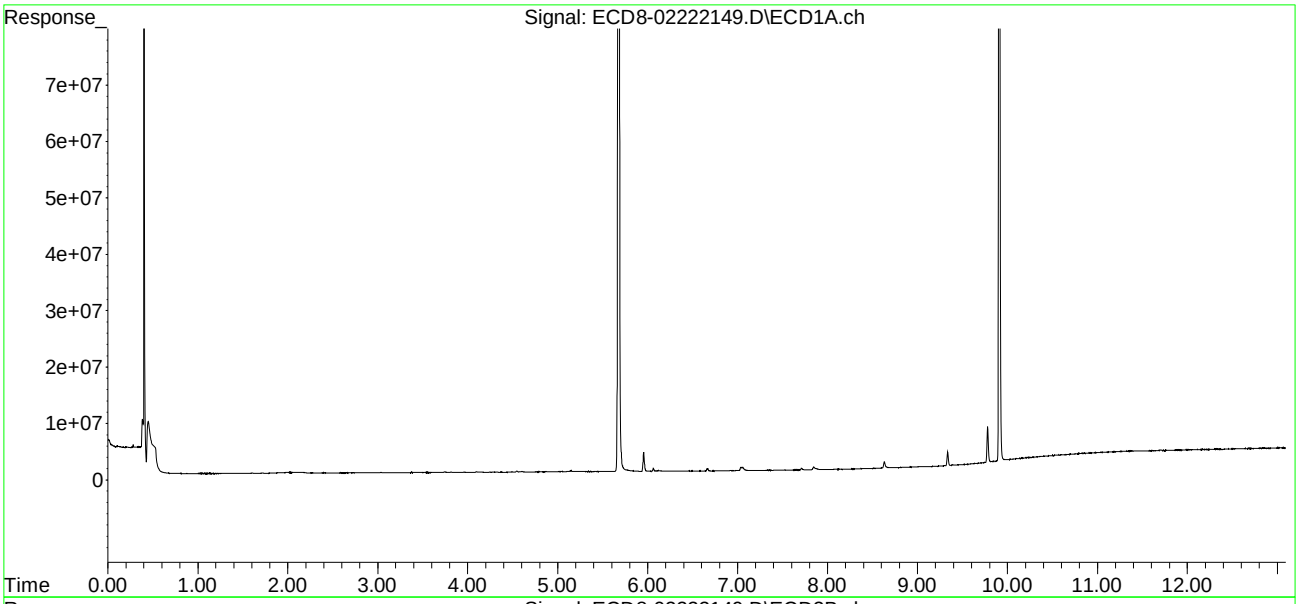
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.272	8.809	16891	28282	0.005	0.008	#
31)	Mirex	8.961	9.736	24694	60811	21703.390	BelowCal	#
32)	Chlordane...	7.710	8.203f	282728	648979	0.808	1.608	#
33)	Chlordane...	7.807	8.296	21788	47825	0.063	0.142	#
34)	Chlordane...	8.385	8.951	25077	1374949	0.238	2.602	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.807	8.524	21788	24675	0.553	0.778	#
37)	Toxaphene...	8.098	8.893f	23843	43694	0.184	1.132	#
38)	Toxaphene...	8.421	8.893	16938	43694	0.293	0.757	#
39)	Toxaphene...	8.676	8.951f	95831	1374949	1.519	11.812	#
40)	Toxaphene...	8.898	9.156	28313	80673	0.596	BelowCal	#
41)	Toxaphene...	8.968	9.532	21514	26993	0.399	0.470	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

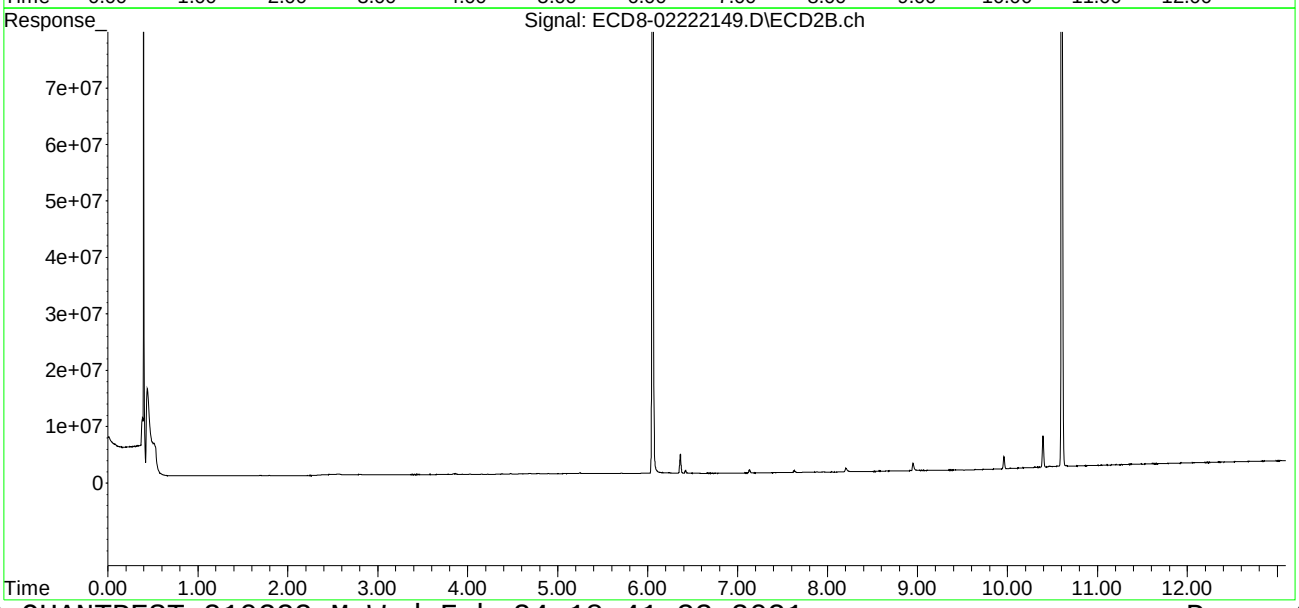
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

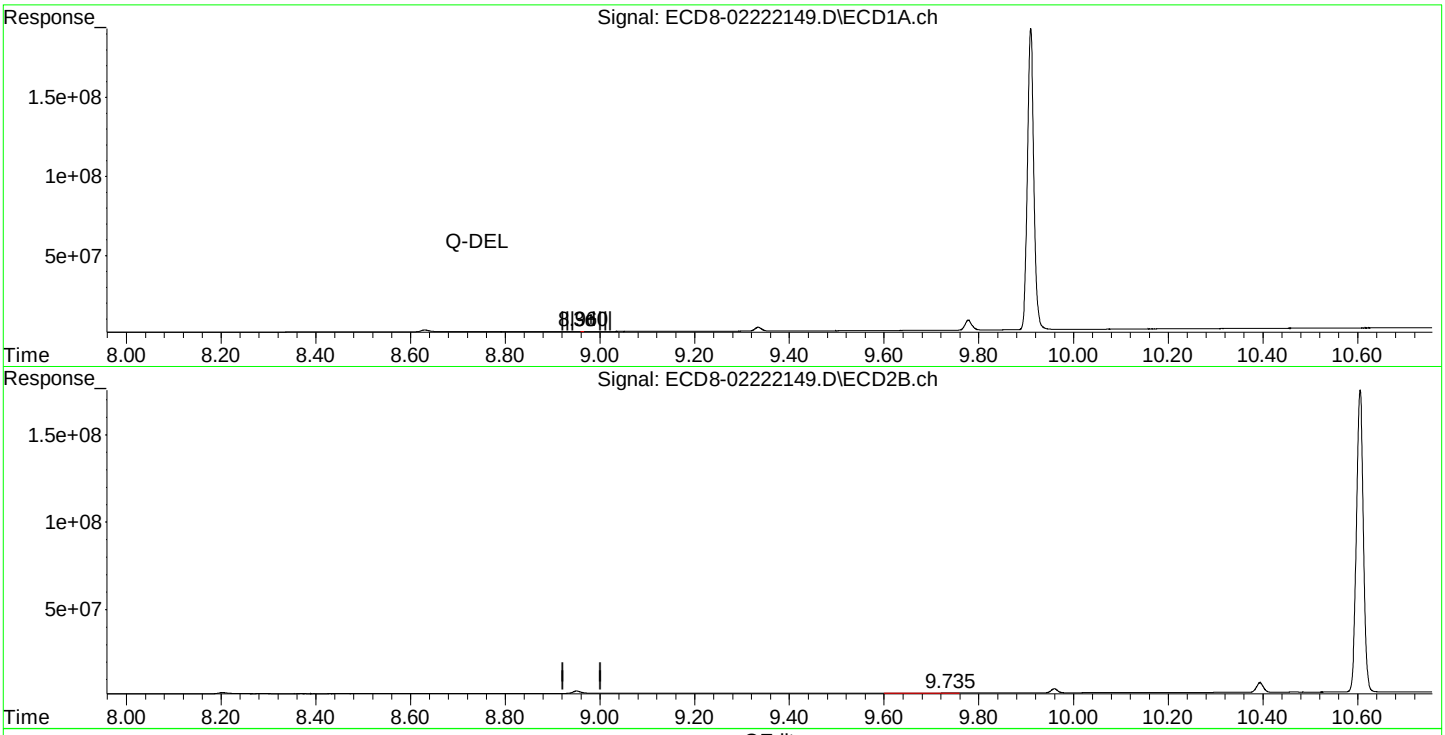




Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(31) Mirex
~~8.961min 21703.390 ng/mL~~
response ~~24694~~

(31) Mirex #2
9.736min -0.406 ng/mL
response 60811

(+) = Expected Retention Time
ECD8_QUANTPEST_210222.M Wed Feb 24 18:42:13 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

MJB 2/24/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.056	300.9E6	354.3E6	93.839	104.070	
22) S	DCBP (S)	9.910	10.605	190.1E6	172.6E6	99.006	99.379	
	Target Compounds							
2)	a-BHC	0.000	6.651	0	14146	N.D.	0.003	#
3)	g-BHC	6.489f	6.989f	24678	25753	0.007	0.007	
4)	b-BHC	6.580	7.020	19392	15242	0.012	BelowCal	#
5)	Heptachlor	6.917	7.332	33821	21099	0.010	0.006	#
6)	d-BHC	6.753	7.290	14503	21196	0.004	BelowCal	#
7)	Aldrin	0.000	7.628f	0	414613	N.D.	0.118	#
8)	Heptachlo...	7.621	8.045	19453	27153	0.006	0.008	#
9)	trans-Chl...	7.710	8.203f	282728	648979	0.088	0.193	#
10)	cis-Chlor...	7.807	8.296	21788	47825	0.007	0.015	#
11)	Endosulfa...	7.909	8.338	53168	21763	0.018	0.007	#
12)	4,4'-DDE	7.873	8.389	186132	18389	0.054	0.005	#
13)	Dieldrin	8.098	8.524	23843	24675	0.008	0.008	
14)	Endrin	8.272	8.771	16891	55704	0.007	0.025	#
15)	4,4'-DDD	8.313	8.809	10202	28282	0.004	0.010	#
16)	Endosulfa...	8.430	8.893	14075	43694	0.006	0.016	#
17)	4,4'-DDT	8.498	9.017	21951	87507	0.009	0.001	#
18)	Endrin Al...	8.732	9.156	78094	80673	BelowCal	BelowCal	
19)	Endosulfa...	9.041	9.355	32360	58687	0.013	0.022	#
20)	Methoxychlor	8.825	9.499	35339	45571	0.028	0.035	
21)	Endrin Ke...	9.230	9.736	9417	60811	0.003	BelowCal	#
23)	Hexachlor...	0.000	3.783	0	57624	N.D.	0.014	#
24)	Hexachlor...	6.065	6.519	505756	45354	0.155	0.013	#
25)	Oxychlordane	7.548	7.983	26438	17036	0.010	0.006	#
26)	2,4'-DDE	7.621	8.144f	19453	11747	0.009	0.005	#
27)	trans-Non...	7.807	8.283f	21788	53854	0.007	0.016	#
28)	2,4'-DDD	0.000	8.524	0	24675	N.D.	BelowCal	
29)	2,4'-DDT	8.176	8.759	11622	52164	0.006	0.025	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

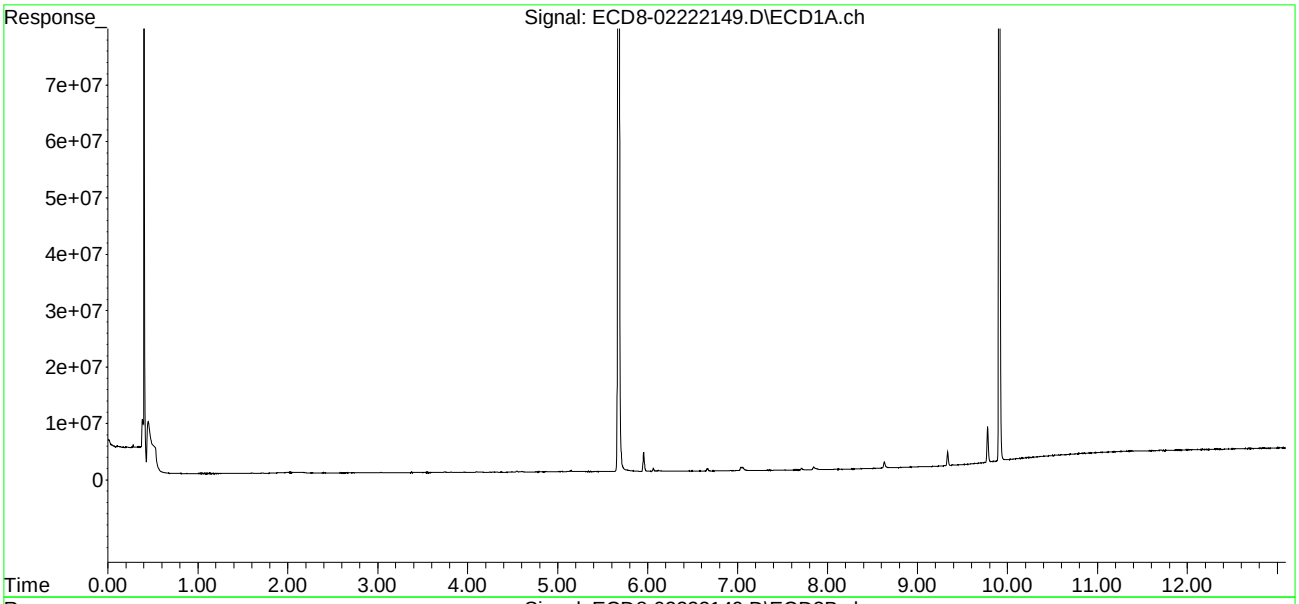
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.272	8.809	16891	28282	0.005	0.008	#
31)	Mirex	0.000	9.736	0	60811	N.D. d	BelowCal	
32)	Chlordane...	7.710	8.203f	282728	648979	0.808	1.608	#
33)	Chlordane...	7.807	8.296	21788	47825	0.063	0.142	#
34)	Chlordane...	8.385	8.951	25077	1374949	0.238	2.602	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.807	8.524	21788	24675	0.553	0.778	#
37)	Toxaphene...	8.098	8.893f	23843	43694	0.184	1.132	#
38)	Toxaphene...	8.421	8.893	16938	43694	0.293	0.757	#
39)	Toxaphene...	8.676	8.951f	95831	1374949	1.519	11.812	#
40)	Toxaphene...	8.898	9.156	28313	80673	0.596	BelowCal	#
41)	Toxaphene...	8.968	9.532	21514	26993	0.399	0.470	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

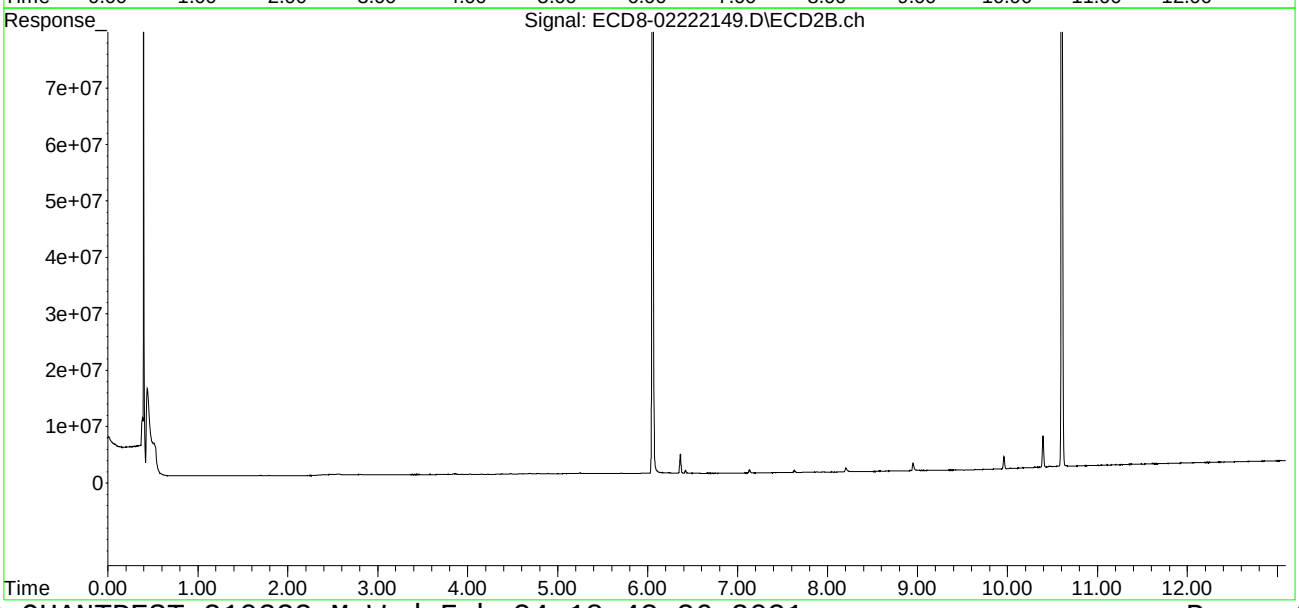
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:40
Operator : MJB 1B25056-ICB1
Sample : ~~1B22071-ICB2~~
Misc : A21B195
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 24 18:41:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : ~~1B22071-CALX~~ 1B25056-CAL1
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	1755678	1860577	0.548	0.547	
22) S	DCBP (S)	9.915	10.609	1554393	1167406	0.487	0.502	
	Target Compounds							
2)	a-BHC	6.229	6.651	2222261	2204979	0.522	0.487	
3)	g-BHC	6.517	6.968	1874105	1984533	0.516	0.508	
4)	b-BHC	6.586	7.041	10812	1139580	0.007	0.512	#
5)	Heptachlor	6.916	7.343	1842639	1933918	0.537	0.524	
6)	d-BHC	6.766f	7.290	1728917	1930864	0.512	0.524	
7)	Aldrin	7.159	7.608	1722892	1662941	0.501	0.473	
8)	Heptachlo...	7.634	8.046	1867692	1866370	0.592	0.564	
9)	trans-Chl...	7.728	8.186	1776814	1838997	0.552	0.546	
10)	cis-Chlor...	7.825	8.293	1777335	1835270	0.564	0.566	
11)	Endosulfa...	7.930	8.344	1637136	1664447	0.565	0.553	
12)	4,4'-DDE	7.877	8.394	2099775	1915941	0.610	0.545	
13)	Dieldrin	8.103	8.544	1742625	1714474	0.549	0.521	
14)	Endrin	8.274	8.770	1311200	1305037	0.507	0.537	
15)	4,4'-DDD	8.311	8.812	1569408	1546397	0.580	0.547	
16)	Endosulfa...	8.440	8.919	1364741	1428372	0.542	0.535	
17)	4,4'-DDT	8.506	9.038	1280117	1335145	0.522	0.536	
18)	Endrin Al...	8.737	9.155	2068221	2081253	BelowCal	0.477	
19)	Endosulfa...	9.044	9.351	1441708	1502423	0.576	0.563	
20)	Methoxychlor	8.838	9.506	666585	706809	0.533	0.537	
21)	Endrin Ke...	9.245	9.744	1713787	2282416	0.575	0.536	
23)	Hexachlor...	0.000	3.783	0	59926	N.D.	0.015	#
24)	Hexachlor...	0.000	6.520	0	33235	N.D.	0.009	#
25)	Oxychlordane	7.545	7.966	32594	26053	0.012	0.009	#
26)	2,4'-DDE	7.634	8.148	1867692	32168	0.836	0.014	#
27)	trans-Non...	7.825f	0.000	1777335	0	0.559	N.D.	#
28)	2,4'-DDD	8.026f	8.544	16421	1714474	0.009	0.764	#
29)	2,4'-DDT	8.192	8.770	8550	1305037	0.004	0.620	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

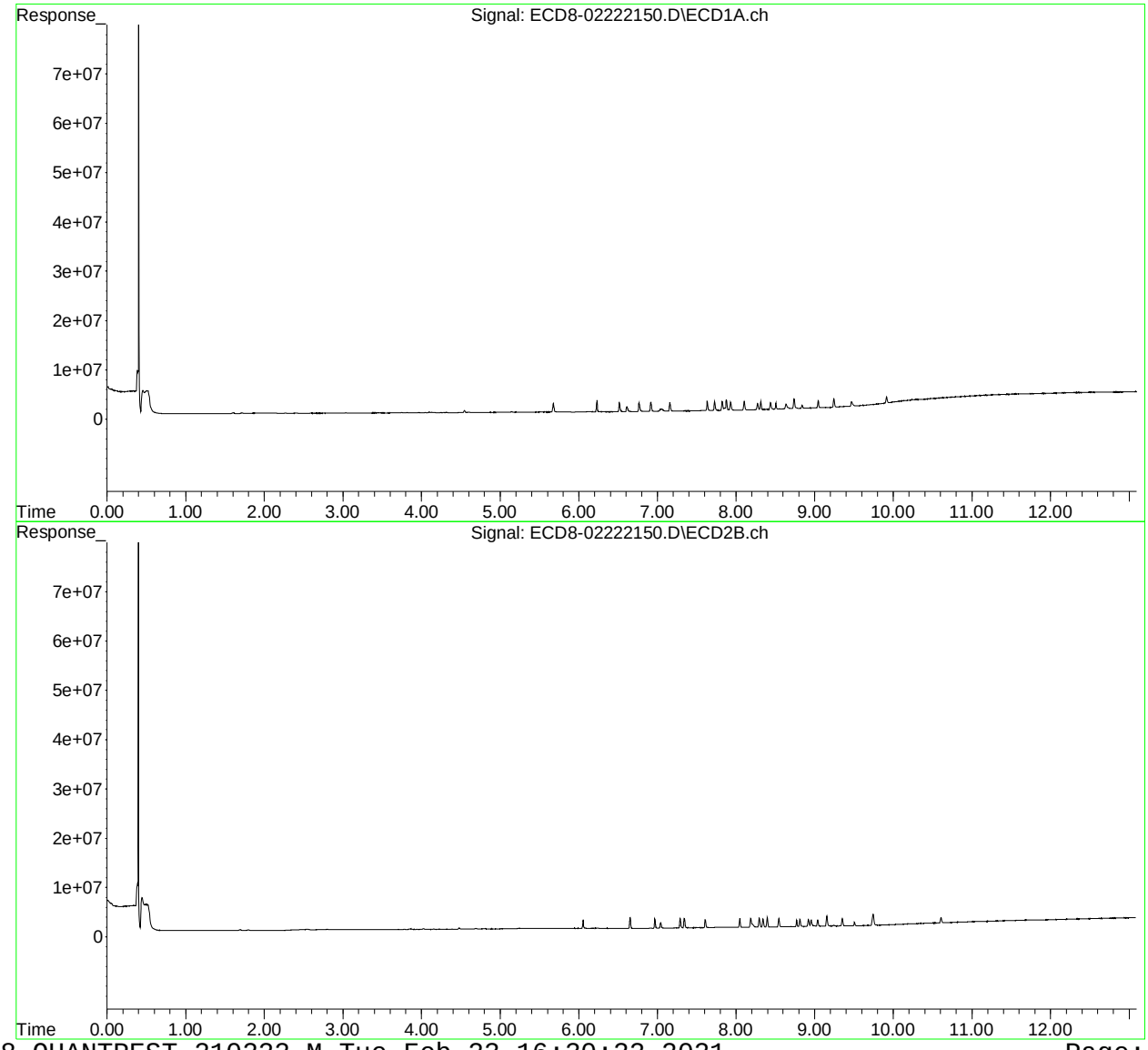
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.274	8.812	1311200	1546397	0.391	0.431	
31)	Mirex	8.945	9.744	11254	2282416	21703.397	0.785	#
32)	Chlordane...	7.728	8.186	1776814	1838997	5.080	4.556	
33)	Chlordane...	7.825	8.293	1777335	1835270	5.113	5.440	
34)	Chlordane...	8.382	8.955	18851	1347294	0.179	2.314	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.825f	8.513	1777335	14673	120.448	0.463	#
37)	Toxaphene...	8.103	8.867	1742625	25187	53.907	0.653	#
38)	Toxaphene...	8.440	8.919	1364741	1428372	23.644	24.731	
39)	Toxaphene...	8.635f	8.955	1030802	1347294	16.341	11.497	#
40)	Toxaphene...	8.900	9.155	12934	2081253	0.272	35.089	#
41)	Toxaphene...	8.977	9.550f	13721	14804	0.255	0.258	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

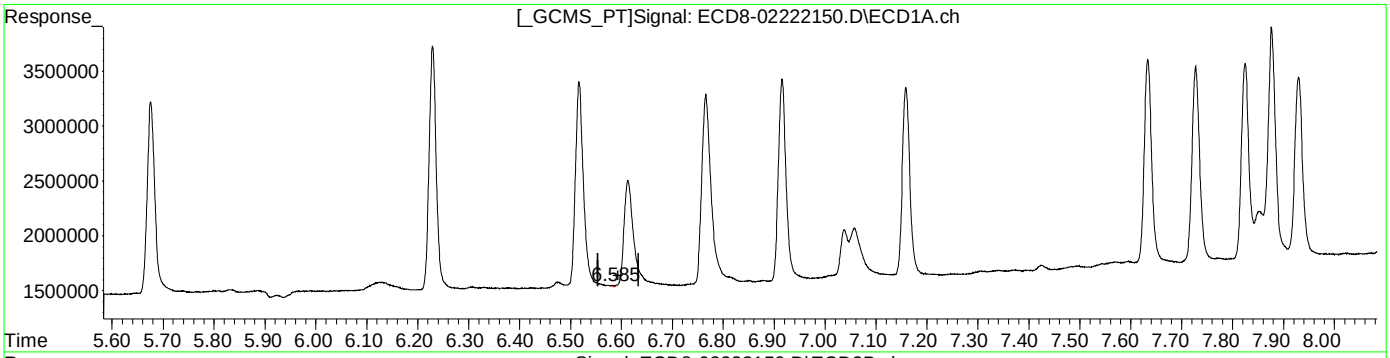
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

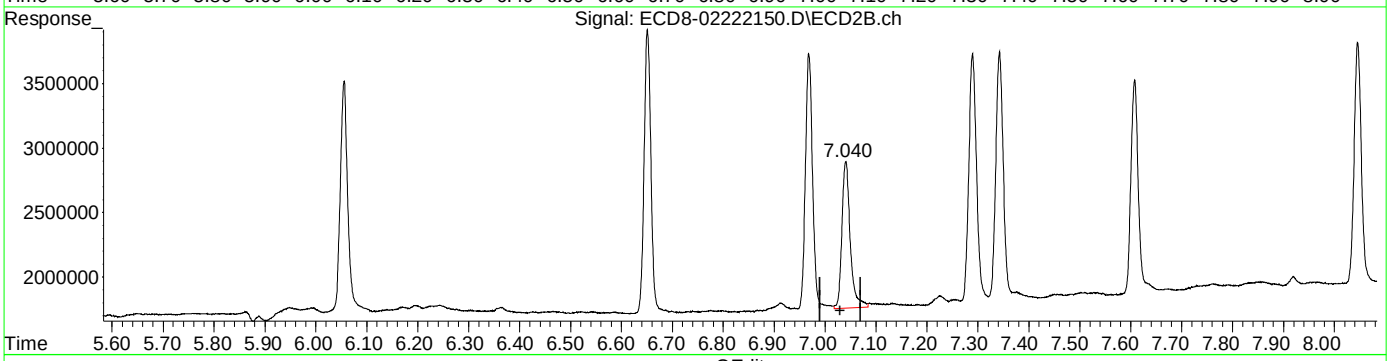


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : ~~1B22071-CALX~~ 1B25056-CAL1
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(4) b-BHC
6.586min 0.007 ng/mL
response 10812

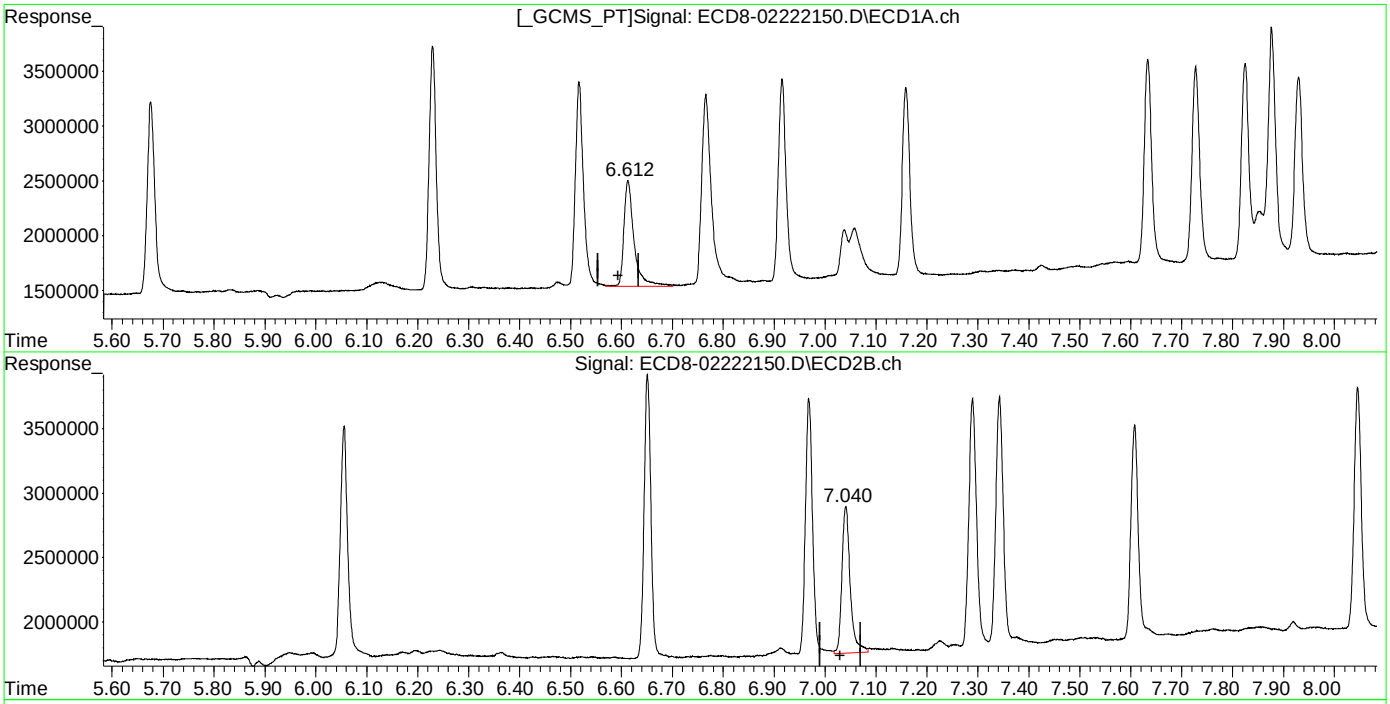
(4) b-BHC #2
7.041min 0.512 ng/mL
response 1139580

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



(4) b-BHC
6.612min 0.618 ng/mL m
response 966009

(4) b-BHC #2
7.041min 0.512 ng/mL
response 1139580

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : ~~1B22071-CALX~~ 1B25056-CAL1
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.676	6.055	1755678	1860577	0.548	0.547	
22)	S DCBP (S)	9.915	10.609	1554393	1167406	0.487	0.502	
	Target Compounds							
2)	a-BHC	6.229	6.651	2222261	2204979	0.522	0.487	
3)	g-BHC	6.517	6.968	1874105	1984533	0.516	0.508	
4)	b-BHC	6.612	7.041	966009	1139580	0.618m	0.512	
5)	Heptachlor	6.916	7.343	1842639	1933918	0.537	0.524	
6)	d-BHC	6.766f	7.290	1728917	1930864	0.512	0.524	
7)	Aldrin	7.159	7.608	1722892	1662941	0.501	0.473	
8)	Heptachlo...	7.634	8.046	1867692	1866370	0.592	0.564	
9)	trans-Chl...	7.728	8.186	1776814	1838997	0.552	0.546	
10)	cis-Chlor...	7.825	8.293	1777335	1835270	0.564	0.566	
11)	Endosulfa...	7.930	8.344	1637136	1664447	0.565	0.553	
12)	4,4'-DDE	7.877	8.394	2099775	1915941	0.610	0.545	
13)	Dieldrin	8.103	8.544	1742625	1714474	0.549	0.521	
14)	Endrin	8.274	8.770	1311200	1305037	0.507	0.537	
15)	4,4'-DDD	8.311	8.812	1569408	1546397	0.580	0.547	
16)	Endosulfa...	8.440	8.919	1364741	1428372	0.542	0.535	
17)	4,4'-DDT	8.506	9.038	1280117	1335145	0.522	0.536	
18)	Endrin Al...	8.737	9.155	2068221	2081253	~~BelowCal~~	0.477	
19)	Endosulfa...	9.044	9.351	1441708	1502423	0.576	0.563	
20)	Methoxychlor	8.838	9.506	666585	706809	0.533	0.537	
21)	Endrin Ke...	9.245	9.744	1713787	2282416	0.575	0.536	
23)	Hexachlor...	0.000	3.783	0	59926	N.D.	0.015	#
24)	Hexachlor...	0.000	6.520	0	33235	N.D.	0.009	#
25)	Oxychlordane	7.545	7.966	32594	26053	0.012	0.009	#
26)	2,4'-DDE	7.634	8.148	1867692	32168	0.836	0.014	#
27)	trans-Non...	7.825f	0.000	1777335	0	0.559	N.D.	#
28)	2,4'-DDD	8.026f	8.544	16421	1714474	0.009	0.764	#
29)	2,4'-DDT	8.192	8.770	8550	1305037	0.004	0.620	#

Curve point not used in calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

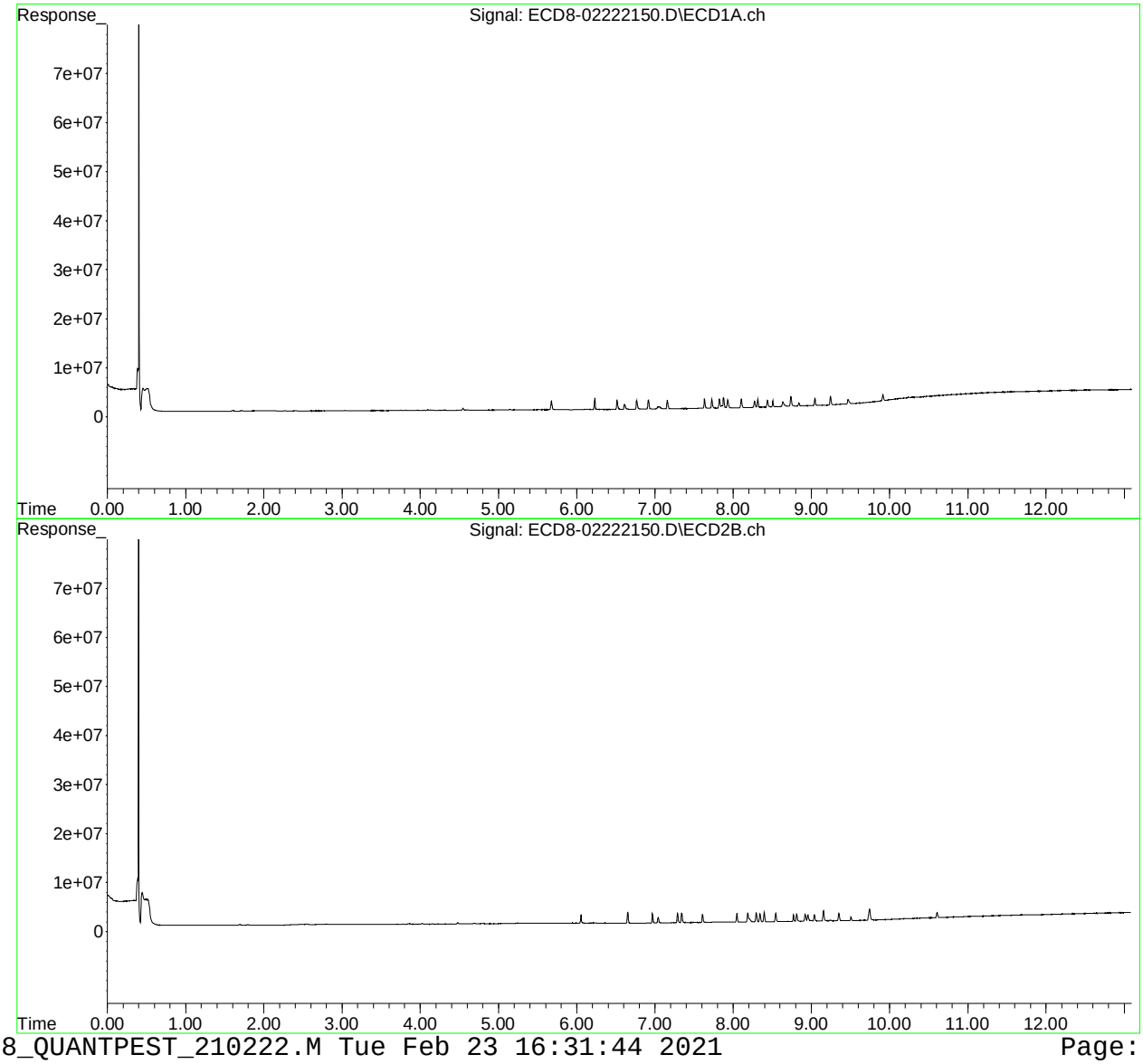
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.274	8.812	1311200	1546397	0.391	0.431	
31)	Mirex	8.945	9.744	11254	2282416	21703.397	0.785	#
32)	Chlordane...	7.728	8.186	1776814	1838997	5.080	4.556	
33)	Chlordane...	7.825	8.293	1777335	1835270	5.113	5.440	
34)	Chlordane...	8.382	8.955	18851	1347294	0.179	2.314	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.825f	8.513	1777335	14673	120.448	0.463	#
37)	Toxaphene...	8.103	8.867	1742625	25187	53.907	0.653	#
38)	Toxaphene...	8.440	8.919	1364741	1428372	23.644	24.731	
39)	Toxaphene...	8.635f	8.955	1030802	1347294	16.341	11.497	#
40)	Toxaphene...	8.900	9.155	12934	2081253	0.272	35.089	#
41)	Toxaphene...	8.977	9.550f	13721	14804	0.255	0.258	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:30:17 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.055	3089516	3171759	0.964	0.932	
22) S	DCBP (S)	9.913	10.608	2655464	1991701	1.033	0.982	
	Target Compounds							
2)	a-BHC	6.230	6.652	3881163	3945238	0.912	0.871	
3)	g-BHC	6.518	6.969	3048133	3438052	0.840	0.880	
4)	b-BHC	6.587	7.040	14602	1839198	0.009	0.946	#
5)	Heptachlor	6.916	7.343	3086921	3366411	0.900	0.913	
6)	d-BHC	6.729	7.289	8760	3349325	0.003	0.916	#
7)	Aldrin	7.160	7.608	3002594	3034328	0.873	0.863	
8)	Heptachlo...	7.634	8.045	3126066	3174485	0.991	0.959	
9)	trans-Chl...	7.728	8.186	3087656	3098627	0.958	0.919	
10)	cis-Chlor...	7.825	8.294	3067156	3054425	0.973	0.942	
11)	Endosulfa...	7.930	8.344	2868001	2860014	0.989	0.950	
12)	4,4'-DDE	7.877	8.394	3407128	3205556	0.990	0.912	
13)	Dieldrin	8.103	8.544	2975189	2913255	0.938	0.886	
14)	Endrin	8.273	8.769	2263795	2122366	0.875	0.871	
15)	4,4'-DDD	8.311	8.812	2575075	2541451	0.951	0.900	
16)	Endosulfa...	8.439	8.918	2262321	2356801	0.899	0.882	
17)	4,4'-DDT	8.505	9.037	2143263	2175483	0.874	0.896	
18)	Endrin Al...	8.736	9.154	3391517	3341794	0.297	1.003	#
19)	Endosulfa...	9.044	9.350	2314150	2421845	0.925	0.907	
20)	Methoxychlor	8.838	9.505	1092433	1184029	0.873	0.900	
21)	Endrin Ke...	9.244	9.744	2916439	3277354	0.979	0.909	
23)	Hexachlor...	3.472	3.783	24200	85417	0.007	0.021	#
24)	Hexachlor...	6.063	6.519	30314	13338	0.009	0.004	#
25)	Oxychlordane	7.564	7.960	43237	27211	0.016	0.009	#
26)	2,4'-DDE	7.634	8.186	3126066	3098627	1.399	1.333	
27)	trans-Non...	7.825f	0.000	3067156	0	0.965	N.D.	#
28)	2,4'-DDD	8.019f	8.544	28344	2913255	0.015	1.397	#
29)	2,4'-DDT	8.184	8.769	10109	2122366	0.005	1.009	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB
Sample : ~~1B22071-CALY~~ 1B25056-CAL2
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

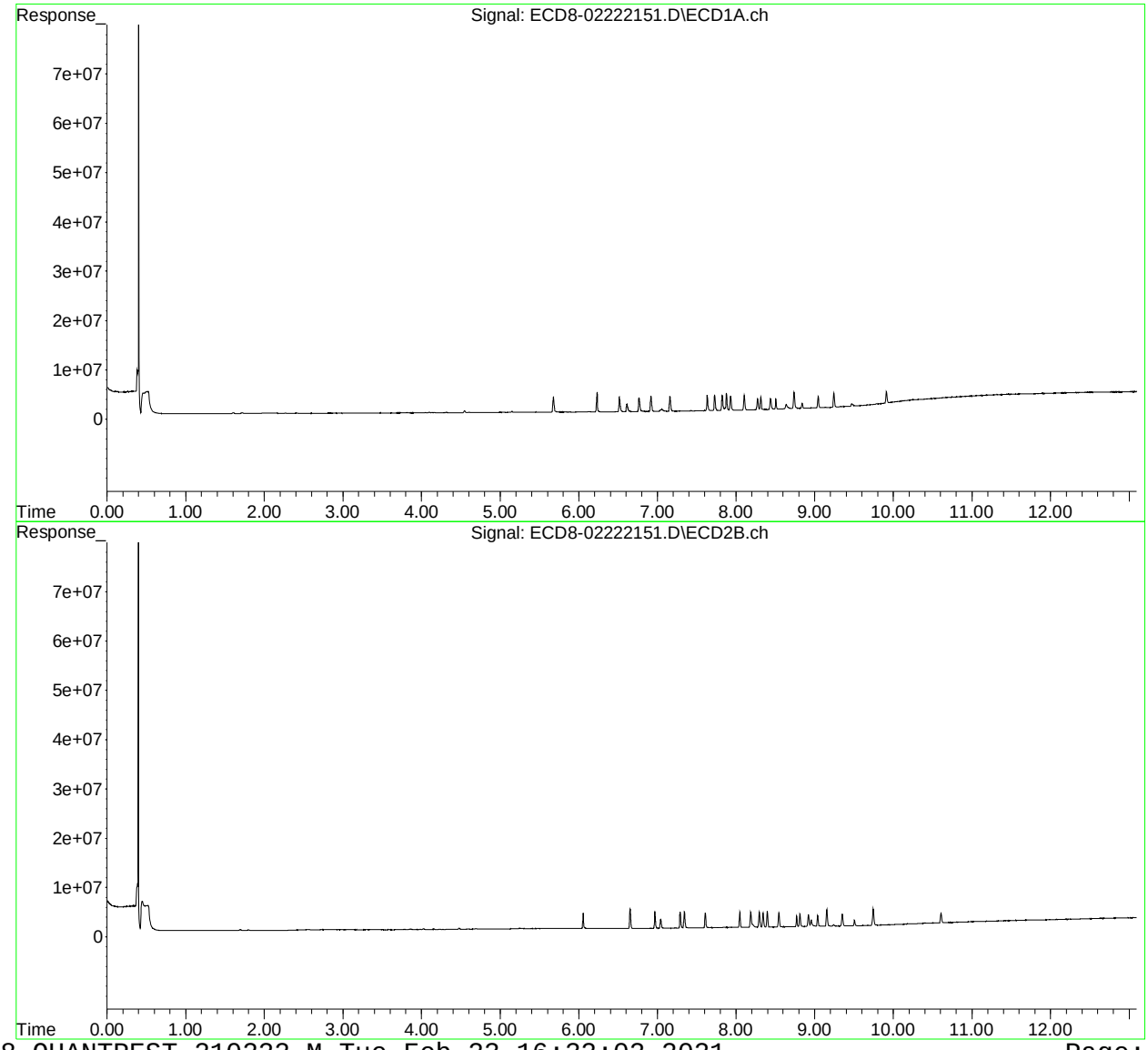
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.273	8.812	2263795	2541451	0.675	0.708	
31)	Mirex	8.965	9.744	13720	3277354	21703.396	1.317	#
32)	Chlordane...	7.728	8.186	3087656	3098627	8.827	7.677	
33)	Chlordane...	7.825	8.294	3067156	3054425	8.823	9.053	
34)	Chlordane...	8.376	8.956	27894	1281645	0.264	1.631	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.825f	8.501	3067156	8669	209.779	0.273	#
37)	Toxaphene...	8.103	0.000	2975189	0	92.732	N.D.	#
38)	Toxaphene...	8.409	8.918	5582	2356801	0.097	40.805	#
39)	Toxaphene...	8.636f	8.956	962319	1281645	15.255	10.750	#
40)	Toxaphene...	8.897	9.154	11009	3341794	0.232	58.666	#
41)	Toxaphene...	8.970	9.505f	11265	1184029	0.209	20.625	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

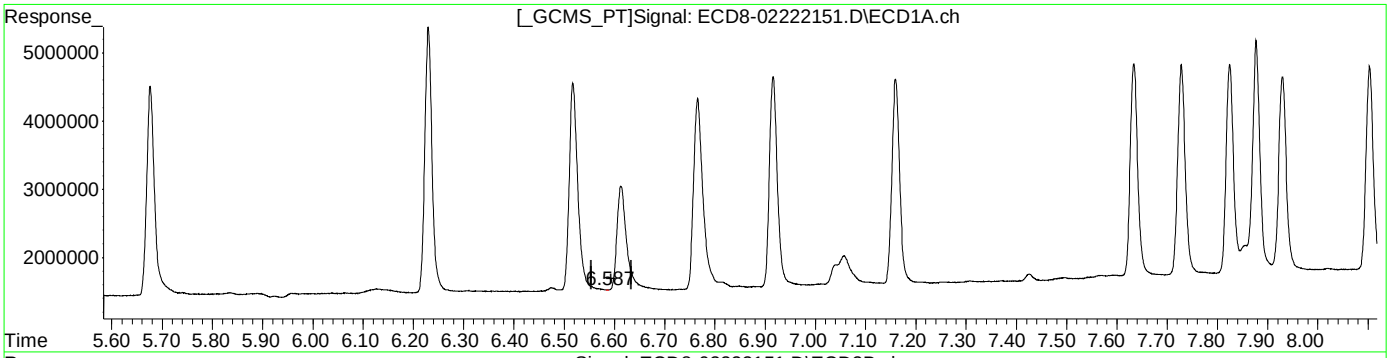
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB
Sample : ~~1B22071-CALY~~ 1B25056-CAL2
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(4) b-BHC
6.587min 0.009 ng/mL
response 14602

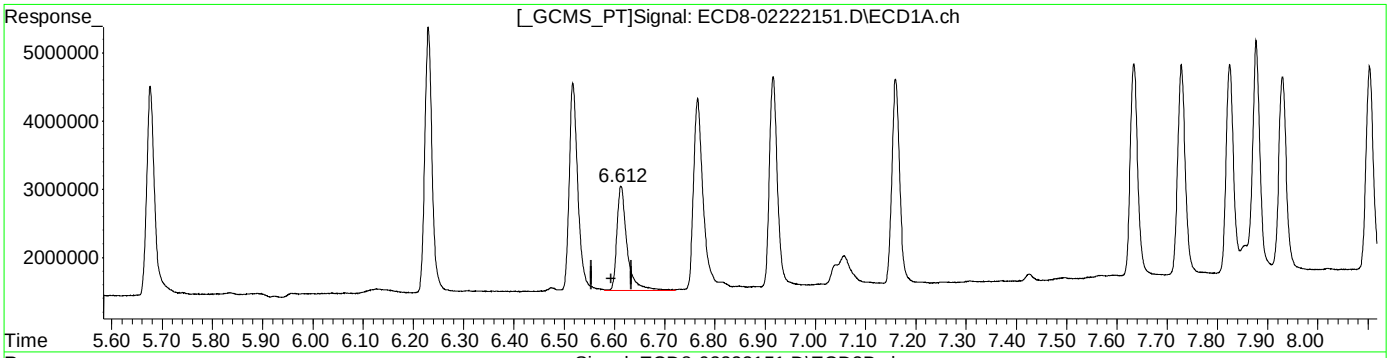
(4) b-BHC #2
7.040min 0.946 ng/mL
response 1839198

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(4) b-BHC
6.612min 0.981 ng/mL m
response 1534080

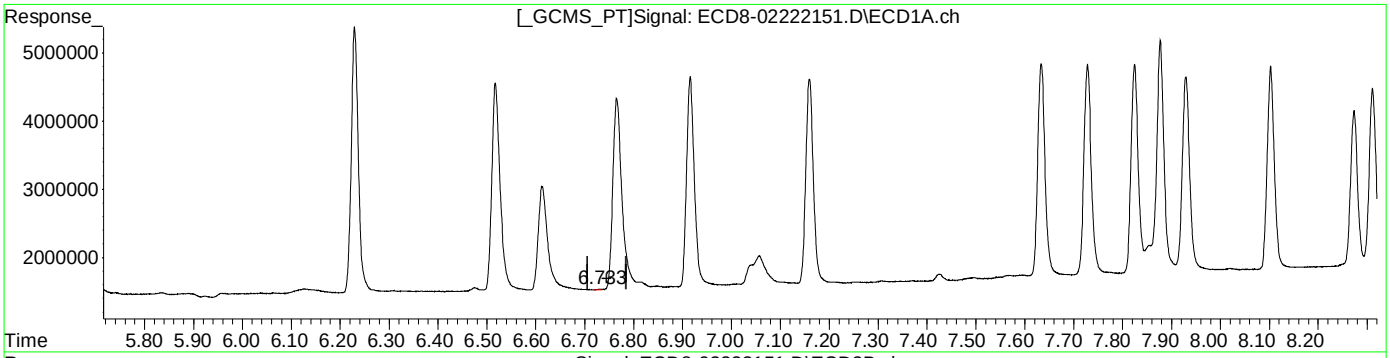
(4) b-BHC #2
7.040min 0.946 ng/mL
response 1839198

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(6) d-BHC
6.729min 0.003 ng/mL
response 8760

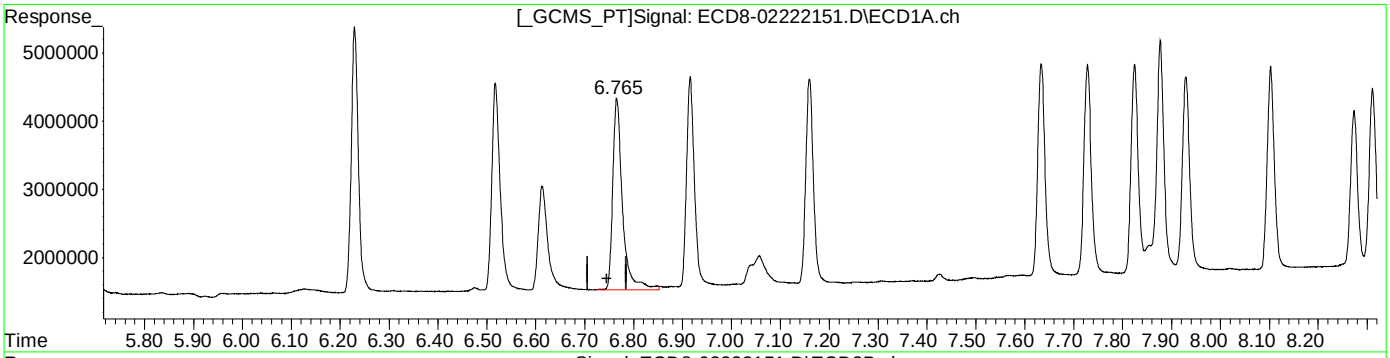
(6) d-BHC #2
7.289min 0.916 ng/mL
response 3349325

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(6) d-BHC
6.765min 0.833 ng/mL m
response 2812527

(6) d-BHC #2
7.289min 0.916 ng/mL
response 3349325

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB
Sample : ~~1B22071-CAL7~~ 1B25056-CAL2
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.677	6.055	3089516	3171759	0.964	0.932	
22) S	DCBP (S)	9.913	10.608	2655464	1991701	1.033	0.982	
	Target Compounds							
2)	a-BHC	6.230	6.652	3881163	3945238	0.912	0.871	
3)	g-BHC	6.518	6.969	3048133	3438052	0.840	0.880	
4)	b-BHC	6.612	7.040	1534080	1839198	0.981m	0.946	
5)	Heptachlor	6.916	7.343	3086921	3366411	0.900	0.913	
6)	d-BHC	6.765	7.289	2812527	3349325	0.833m	0.916	
7)	Aldrin	7.160	7.608	3002594	3034328	0.873	0.863	
8)	Heptachlo...	7.634	8.045	3126066	3174485	0.991	0.959	
9)	trans-Chl...	7.728	8.186	3087656	3098627	0.958	0.919	
10)	cis-Chlor...	7.825	8.294	3067156	3054425	0.973	0.942	
11)	Endosulfa...	7.930	8.344	2868001	2860014	0.989	0.950	
12)	4,4'-DDE	7.877	8.394	3407128	3205556	0.990	0.912	
13)	Dieldrin	8.103	8.544	2975189	2913255	0.938	0.886	
14)	Endrin	8.273	8.769	2263795	2122366	0.875	0.871	
15)	4,4'-DDD	8.311	8.812	2575075	2541451	0.951	0.900	
16)	Endosulfa...	8.439	8.918	2262321	2356801	0.899	0.882	
17)	4,4'-DDT	8.505	9.037	2143263	2175483	0.874	0.896	
18)	Endrin Al...	8.736	9.154	3391517	3341794	~~0.297~~	1.003	#
19)	Endosulfa...	9.044	9.350	2314150	2421845	0.925	0.907	
20)	Methoxychlor	8.838	9.505	1092433	1184029	0.873	0.900	
21)	Endrin Ke...	9.244	9.744	2916439	3277354	0.979	0.909	
23)	Hexachlor...	3.472	3.783	24200	85417	0.007	0.021	#
24)	Hexachlor...	6.063	6.519	30314	13338	0.009	0.004	#
25)	Oxychlordane	7.564	7.960	43237	27211	0.016	0.009	#
26)	2,4'-DDE	7.634	8.186	3126066	3098627	1.399	1.333	
27)	trans-Non...	7.825f	0.000	3067156	0	0.965	N.D.	#
28)	2,4'-DDD	8.019f	8.544	28344	2913255	0.015	1.397	#
29)	2,4'-DDT	8.184	8.769	10109	2122366	0.005	1.009	#

Curve point not used in calibration.

ECD8_QUANTPEST_210222.M Tue Feb 23 16:33:26 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB
Sample : ~~1B22071-CALY~~ 1B25056-CAL2
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

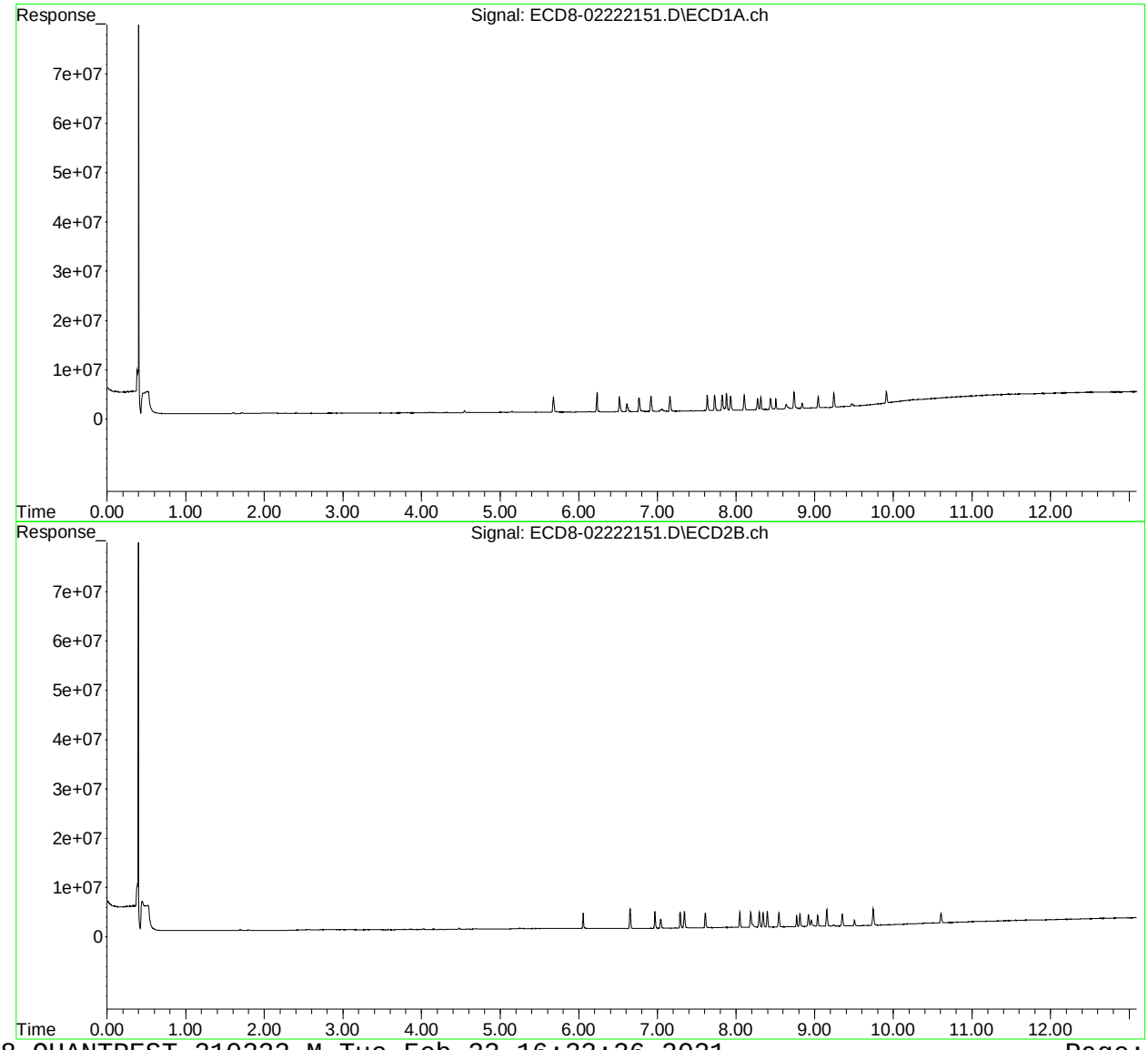
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.273	8.812	2263795	2541451	0.675	0.708	
31)	Mirex	8.965	9.744	13720	3277354	21703.396	1.317	#
32)	Chlordane...	7.728	8.186	3087656	3098627	8.827	7.677	
33)	Chlordane...	7.825	8.294	3067156	3054425	8.823	9.053	
34)	Chlordane...	8.376	8.956	27894	1281645	0.264	1.631	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.825f	8.501	3067156	8669	209.779	0.273	#
37)	Toxaphene...	8.103	0.000	2975189	0	92.732	N.D.	#
38)	Toxaphene...	8.409	8.918	5582	2356801	0.097	40.805	#
39)	Toxaphene...	8.636f	8.956	962319	1281645	15.255	10.750	#
40)	Toxaphene...	8.897	9.154	11009	3341794	0.232	58.666	#
41)	Toxaphene...	8.970	9.505f	11265	1184029	0.209	20.625	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:31:49 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB 1B25056-CAL3
Sample : ~~1B22071-CALZ~~
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.678	6.054	19663	103393	0.006	0.030	#
22)	S DCBP (S)	9.920	10.611	341172	113768	1931.168	BelowCal	#
	Target Compounds							
2)	a-BHC	6.229	6.651	121558	116280	0.029	0.026	
3)	g-BHC	6.517	6.969	127893	131906	0.035	0.034	
4)	b-BHC	6.568f	7.021	9951	10172	0.006	BelowCal	#
5)	Heptachlor	6.918	7.344	86532	98395	0.025	0.027	
6)	d-BHC	6.772f	7.292	233013	256955	0.069	0.061	
7)	Aldrin	7.159	7.608	58970	60475	0.017	0.017	
8)	Heptachlo...	7.626	8.046	1192845	130452	0.378	0.039	#
9)	trans-Chl...	7.728	8.172	135693	1189427	0.042	0.353	#
10)	cis-Chlor...	7.812	8.294	1638252	166526	0.520	0.051	#
11)	Endosulfa...	7.931	8.345	132243	119145	0.046	0.040	
12)	4,4'-DDE	7.858	8.396	352035	176155	0.102	0.050	#
13)	Dieldrin	8.103	8.547	97767	1125638	0.031	0.342	#
14)	Endrin	8.254	8.769	21955	1012093	0.008	0.417	#
15)	4,4'-DDD	8.293	8.816	1656148	1870927	0.612	0.662	
16)	Endosulfa...	8.442	8.920	84104	146900	0.033	0.055	#
17)	4,4'-DDT	8.509	9.040	93104	139289	0.038	0.023	#
18)	Endrin Al...	8.738	9.157	450469	448699	BelowCal	BelowCal	
19)	Endosulfa...	9.047	9.352	111268	151726	0.044	0.057	#
20)	Methoxychlor	8.840	9.508	42418	61501	0.034	0.047	#
21)	Endrin Ke...	9.246	9.735	131571	1705947	0.044	0.319	#
23)	Hexachlor...	3.464	3.771	1999025	2259249	0.575	0.564	
24)	Hexachlor...	6.064	6.521	1575049	1782150	0.483	0.496	
25)	Oxychlordane	7.556	7.977	1465803	1560221	0.532	0.531	
26)	2,4'-DDE	7.626	8.172	1192845	1189427	0.534	0.512	
27)	trans-Non...	7.812	8.253	1638252	1762762	0.515	0.524	
28)	2,4'-DDD	8.008	8.547	992555	1125638	0.524	0.453	
29)	2,4'-DDT	8.186	8.769	944593	1012093	0.468	0.481	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB 1B25056-CAL3
Sample : ~~1B22071-CALZ~~
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

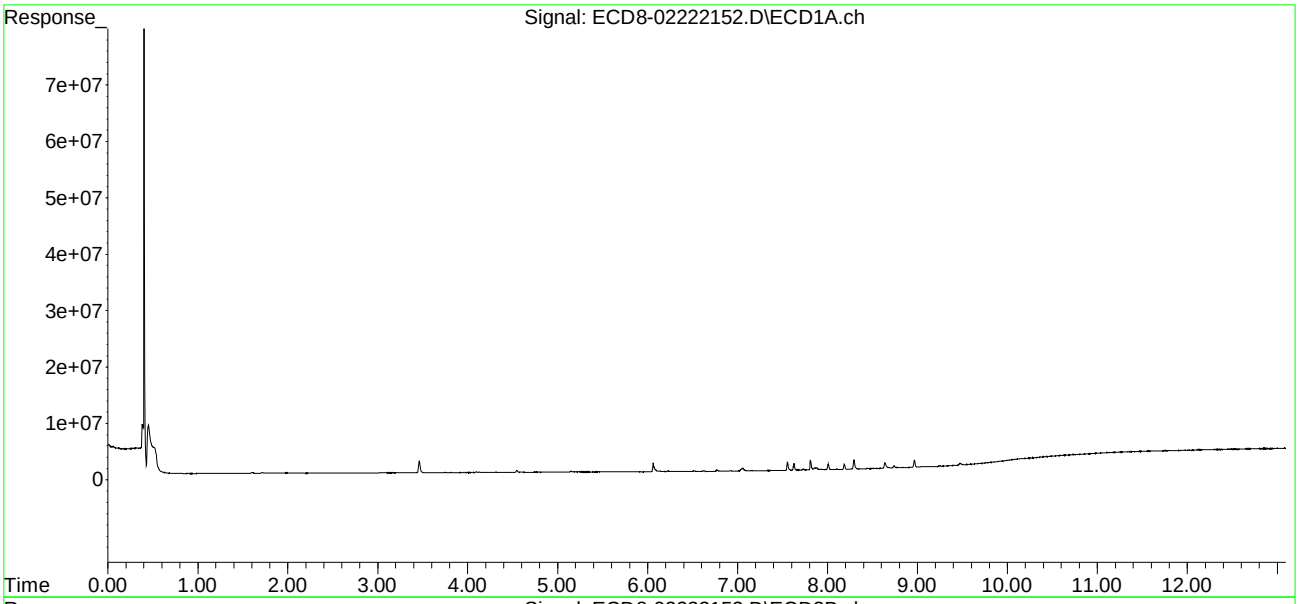
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.293	8.816	1656148	1870927	0.494	0.521	
31)	Mirex	8.966	9.735	1264305	1705947	0.460	0.476	
32)	Chlordane...	7.728	8.172	135693	1189427	0.388	2.947	#
33)	Chlordane...	7.812	8.294	1638252	166526	4.713	0.494	#
34)	Chlordane...	8.377	8.957	21086	1271135	0.200	1.521	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.812	8.507	1638252	21068	110.879	0.665	#
37)	Toxaphene...	8.103	8.866	97767	32592	2.484	0.844	#
38)	Toxaphene...	8.442f	8.899	84104	86063	1.457	1.490	
39)	Toxaphene...	8.638f	8.957	977512	1271135	15.496	10.630	#
40)	Toxaphene...	8.881	9.157	7252	448699	0.153	4.473	#
41)	Toxaphene...	8.966	9.526	1264305	25976	23.469	0.452	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

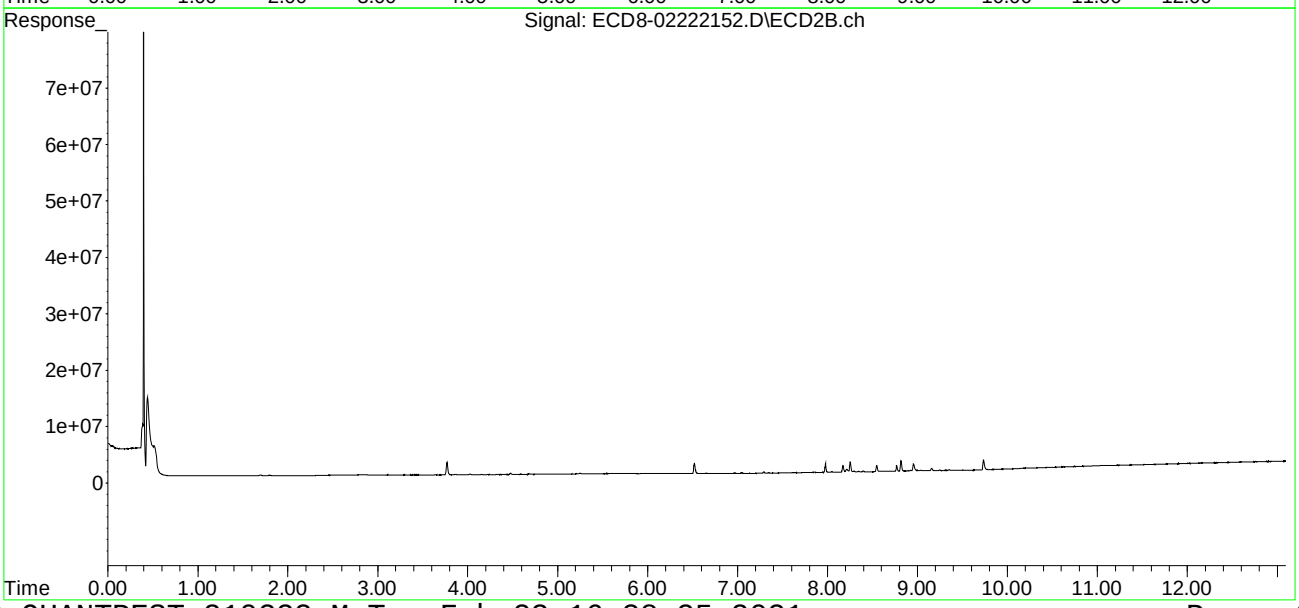
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB 1B25056-CAL3
Sample : ~~1B22071-CAL2~~
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:26 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB
Sample : ~~1B22071-CALAA~~ 1B25056-CAL4
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.054	21056	81903	0.007	0.024	#
22) S	DCBP (S)	9.918	10.608	340315	100695	1931.169	BelowCal	#
	Target Compounds							
2)	a-BHC	6.228	6.652	127866	116654	0.030	0.026	
3)	g-BHC	6.515	6.968	141639	150145	0.039	0.038	
4)	b-BHC	6.617f	7.045	117283	146109	0.075	BelowCal	#
5)	Heptachlor	6.914	7.343	1611049	1712310	0.470	0.464	
6)	d-BHC	6.739	7.291	61290	265819	0.018	0.063	#
7)	Aldrin	7.158	7.607	42160	69470	0.012	0.020	#
8)	Heptachlo...	7.637	8.044	383396	160763	0.122	0.049	#
9)	trans-Chl...	7.729	8.187	3436436	3757800	1.067	1.115	
10)	cis-Chlor...	7.823	8.294	3740830	3289778	1.187	1.015	
11)	Endosulfa...	7.930	8.345	141815	153062	0.049	0.051	
12)	4,4'-DDE	7.859	8.396	408518	240776	0.119	0.069	#
13)	Dieldrin	8.107	8.545	118929	209764	0.037	0.064	#
14)	Endrin	8.293f	8.770	616350	175077	0.238	0.074	#
15)	4,4'-DDD	8.293	8.817	616350	833671	0.228	0.295	#
16)	Endosulfa...	8.441	8.922	124520	154957	0.049	0.058	
17)	4,4'-DDT	8.509	9.036	76557	166394	0.031	0.035	
18)	Endrin Al...	8.739	9.157	246837	278814	BelowCal	BelowCal	
19)	Endosulfa...	9.046	9.352	128556	132765	0.051	0.050	
20)	Methoxychlor	8.819	9.508	16850	58201	0.013	0.044	#
21)	Endrin Ke...	9.246	9.743	114349	566260	0.038	BelowCal	#
23)	Hexachlor...	0.000	3.782	0	37306	N.D.	0.009	#
24)	Hexachlor...	6.038f	0.000	32074	0	0.010	N.D.	#
25)	Oxychlordane	7.550	7.958	29661	65426	0.011	0.022	#
26)	2,4'-DDE	7.637f	8.160	383396	111990	0.172	0.048	#
27)	trans-Non...	7.823	8.253	3740830	2912807	1.177	0.866	#
28)	2,4'-DDD	8.011	8.545	94995	209764	0.050	BelowCal	#
29)	2,4'-DDT	8.165	8.770	158855	175077	0.079	0.083	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB
Sample : ~~1B22071-CALAA~~ 1B25056-CAL4
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

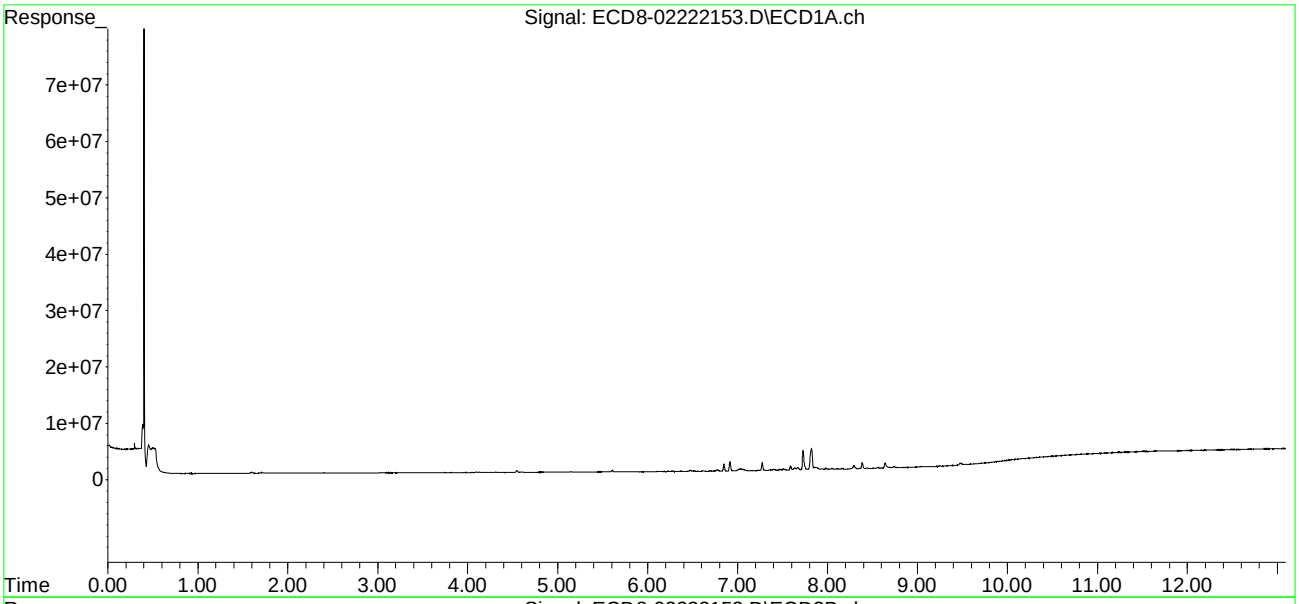
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.293	8.817	616350	833671	0.184	0.232	#
31)	Mirex	8.981	9.743	5834	566260	21703.400	BelowCal	#
32)	Chlordane...	7.729	8.187	3436436	3757800	9.824	9.311	
33)	Chlordane...	7.823	8.294	3740830	3289778	10.761	9.751	
34)	Chlordane...	8.385	8.956	1049375	2092022	9.947	10.062	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.823f	8.545f	3740830	209764	256.870	6.618	#
37)	Toxaphene...	8.107	8.873	118929	126866	3.143	3.287	
38)	Toxaphene...	8.441	8.922	124520	154957	2.157	2.683	
39)	Toxaphene...	8.639f	8.956	924129	2092022	14.650	19.967	#
40)	Toxaphene...	8.899	9.157	7617	278814	0.160	1.282	#
41)	Toxaphene...	8.981	9.528	5834	28206	0.108	0.491	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

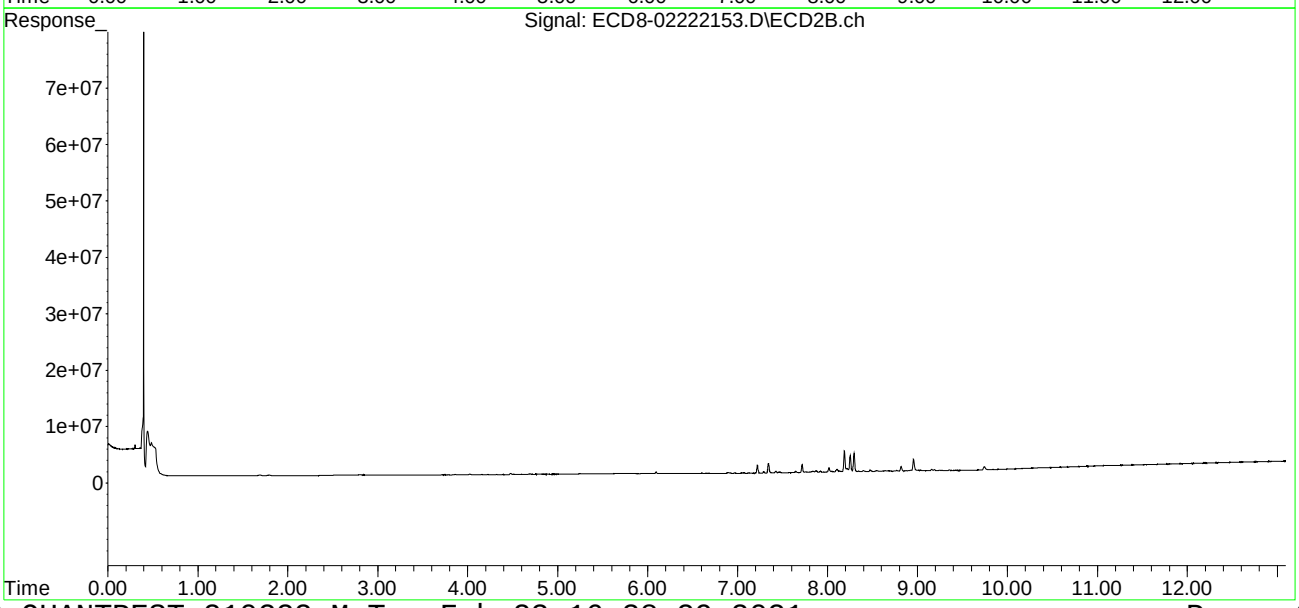
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB 1B25056-CAL4
Sample : ~~1B22071-CALAA~~
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:47 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB 1B25056-CAL5
Sample : ~~1B22071-CALAB~~
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.056	38971	83303	0.012	0.024	#
22) S	DCBP (S)	9.916	10.612	300743	100581	1931.188	BelowCal	#
	Target Compounds							
2)	a-BHC	6.229	6.652	99166	110421	0.023	0.024	
3)	g-BHC	6.517	6.969	116349	121173	0.032	0.031	
4)	b-BHC	6.622f	7.046	101641	145710	0.065	BelowCal	#
5)	Heptachlor	6.916	7.343	76693	87999	0.022	0.024	
6)	d-BHC	6.773f	7.293	235150	272105	0.070	0.065	
7)	Aldrin	7.161	7.608	59559	56773	0.017	0.016	
8)	Heptachlo...	7.635	8.047	134272	199044	0.043	0.060	#
9)	trans-Chl...	7.728	8.187	135047	173743	0.042	0.052	
10)	cis-Chlor...	7.823	8.292	157540	206798	0.050	0.064	#
11)	Endosulfa...	7.934	8.353	252414	192376	0.087	0.064	#
12)	4,4'-DDE	7.861	8.395	341462	247154	0.099	0.070	#
13)	Dieldrin	8.107	8.543	331240	220136	0.104	0.067	#
14)	Endrin	8.288f	8.768	338428	376180	0.131	0.156	
15)	4,4'-DDD	8.310	8.816	289578	280861	0.107	0.099	
16)	Endosulfa...	8.429	8.909	541688	638427	0.215	0.239	
17)	4,4'-DDT	8.514	9.038	514928	326052	0.210	0.103	#
18)	Endrin Al...	8.714	9.156	359348	739186	BelowCal	BelowCal	
19)	Endosulfa...	9.039	9.352	204475	297192	0.082	0.111	#
20)	Methoxychlor	8.829	9.488	244654	247666	0.196	0.188	
21)	Endrin Ke...	9.245	9.741	174553	820552	0.059	BelowCal	#
23)	Hexachlor...	0.000	3.782	0	43898	N.D.	0.011	#
24)	Hexachlor...	0.000	6.518	0	22403	N.D.	0.006	#
25)	Oxychlordane	7.562	7.964	111540	92866	0.040	0.032	
26)	2,4'-DDE	7.610	8.154	70626	79190	0.032	0.034	
27)	trans-Non...	7.823	8.215f	157540	469885	0.050	0.140	#
28)	2,4'-DDD	7.980	8.543	93566	220136	0.049	BelowCal	#
29)	2,4'-DDT	8.171	8.768	230393	376180	0.114	0.179	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB 1B25056-CAL5
Sample : ~~1B22071-CALAB~~
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation

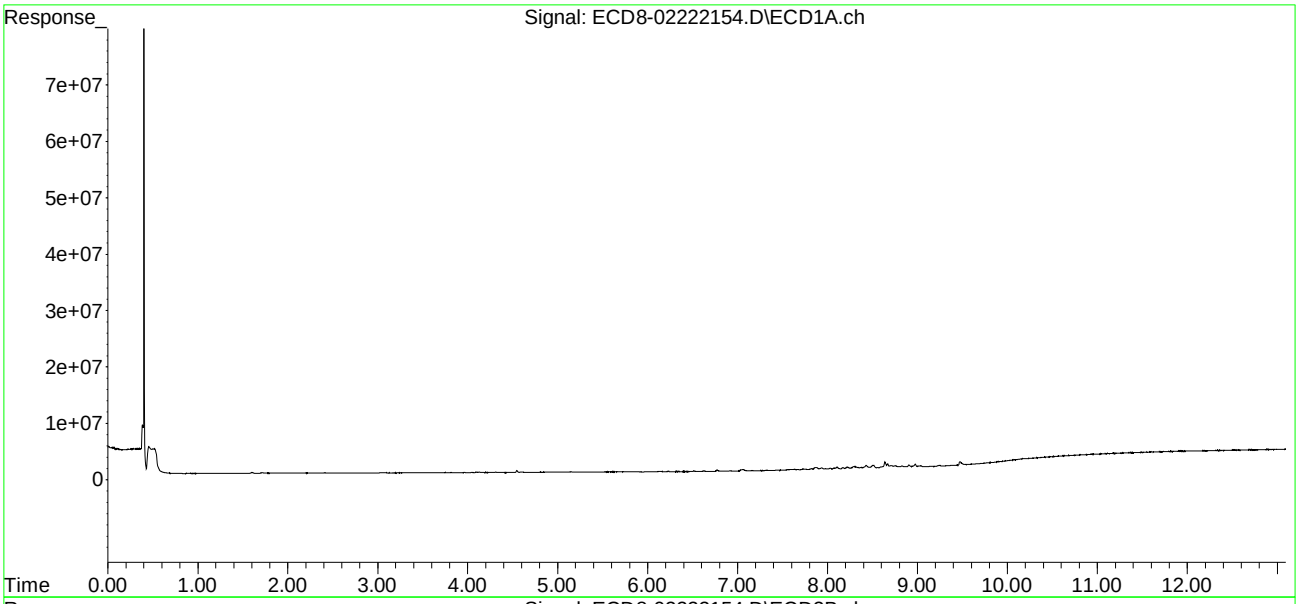
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.288	8.816	338428	280861	0.101	0.078	
31)	Mirex	8.975	9.741	499987	820552	0.074	0.002	#
32)	Chlordane...	7.728	8.187	135047	173743	0.386	0.430	
33)	Chlordane...	7.823	8.292	157540	206798	0.453	0.613	#
34)	Chlordane...	8.377	8.959	163951	1402233	1.554	2.886	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.823f	8.522	157540	355295	9.756	11.209	
37)	Toxaphene...	8.107	8.876	331240	394935	9.757	10.232	
38)	Toxaphene...	8.429	8.909	541688	638427	9.385	11.054	
39)	Toxaphene...	8.667	8.974	682782	1223038	10.824	10.083	
40)	Toxaphene...	8.904	9.156	400097	739186	8.420	9.928	
41)	Toxaphene...	8.975	9.533	499987	571304	9.281	9.952	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

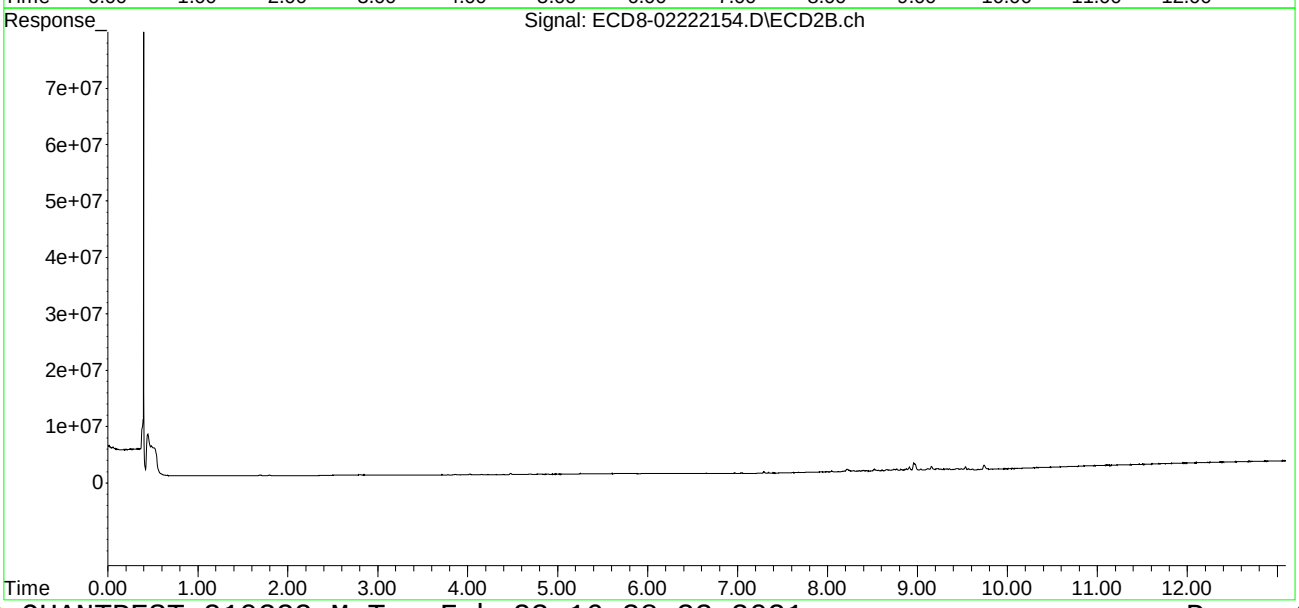
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\REQUANT\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB 1B25056-CAL4
Sample : ~~1B22071-CALAB~~
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 16:34:59 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 15:33:30 2021
Response via : Initial Calibration
Integrator: ChemStation





Sequence Name: C:\msdchem\1\sequence\1B22071.s

	Line	Type	Vial	DataFile	Method	Sample Name
44)		Sample	1	1B22071-IBL4		
		Datafile		ECD8-02222144		
		Method		ECD8_AQUPEST_190925		
45)		Sample	39	1B22071-ICV4		
		Datafile		ECD8-02222145		
		Method		ECD8_AQUPEST_190925		
46)		Sample	1	Hexane		
		Datafile		ECD8-02222146		
		Method		ECD8_AQUPEST_190925		
47)		Sample	1	Hexane		
		Datafile		ECD8-02222147		
		Method		ECD8_AQUPEST_190925		
48)		Sample	2	~~1B22071-BKD2~~	1B25056-BKD1	
		Datafile		ECD8-02222148		
		Method		ECD8_AQUPEST_190925		
49)		Sample	3	~~1B22071-ICB2~~	1B25056-ICB1	
		Datafile		ECD8-02222149		
		Method		ECD8_AQUPEST_190925		
50)		Sample	4	~~1B22071-CALX~~	1B25056-CAL1	
		Datafile		ECD8-02222150		
		Method		ECD8_AQUPEST_190925		
51)		Sample	5	~~1B22071-CALY~~	1B25056-CAL2	
		Datafile		ECD8-02222151		
		Method		ECD8_AQUPEST_190925		
52)		Sample	6	~~1B22071-CALZ~~	1B25056-CAL3	
		Datafile		ECD8-02222152		
		Method		ECD8_AQUPEST_190925		
53)		Sample	7	~~1B22071-CALAA~~	1B25056-CAL4	
		Datafile		ECD8-02222153		
		Method		ECD8_AQUPEST_190925		
54)		Sample	8	~~1B22071-CALAB~~	1B25056-CAL5	
		Datafile		ECD8-02222154		
		Method		ECD8_AQUPEST_190925		

Sequence exceeded the number of calibration points allowed by element. Sequence 1B25056 was created to enter data into calibration.

Last Modified: Tue Feb 23 12:24:34 2021 Page: 4

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1B25056 BKD1 ~~1B22071~~ ~~BKD2~~
Data File: ECD8-02222148.D

MJB 2/23/21

First Column Area Counts		Percent Breakdown	
DDE	27524476		
DDD	33741942		
DDT	1949287753	**3.05**	**PASS**
Endrin	1078311959	**13.10**	**PASS**
Endrin Aldehyde	69440709		
Endrin Ketone	93146119		

Second Column Area Counts		Percent Breakdown	
DDE	21776704		
DDD	39227319		
DDT	2143968091	**2.77**	**PASS**
Endrin	1061447944	**12.01**	**PASS**
Endrin Aldehyde	61010388		
Endrin Ketone	83866502		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:24
Operator : MJB
Sample : ~~1B22071-BKD2~~ 1B25056-BKD1
Misc : A20K279
ALS Vial : 2 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 12:44:00 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation

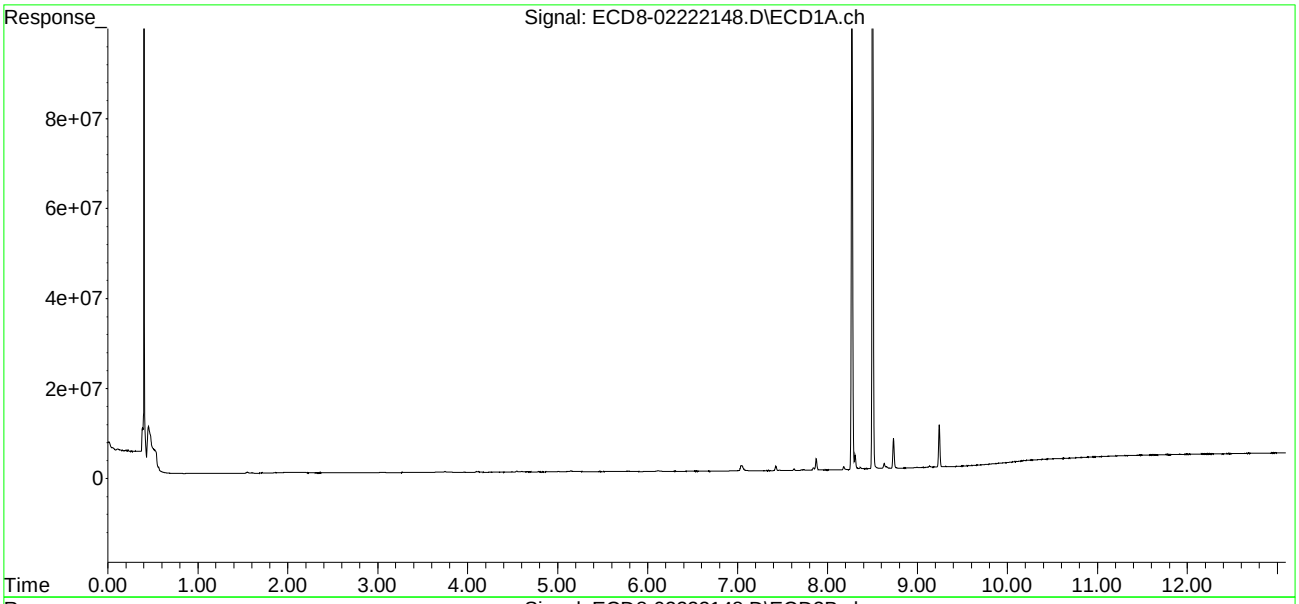
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.872	27524476	NoCal	ng/mL
2)	Endrin	8.271	1078311959	NoCal	ng/mL
3)	4,4'-DDD	8.305	33741942	NoCal	ng/mL
4)	4,4'-DDT	8.501	1949287753	NoCal	ng/mL
5)	Endrin Aldehyde	8.732	69440709	NoCal	ng/mL
6)	Endrin Ketone	9.241	93146119	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.392	21776704	NoCal	ng/mL
9)	Endrin [2C]	8.768	1061447944	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.808	39227319	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	9.152	61010388	NoCal	ng/mL
12)	4,4'-DDT [2C]	9.035	2143968091	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.743	83866502	NoCal	ng/mL

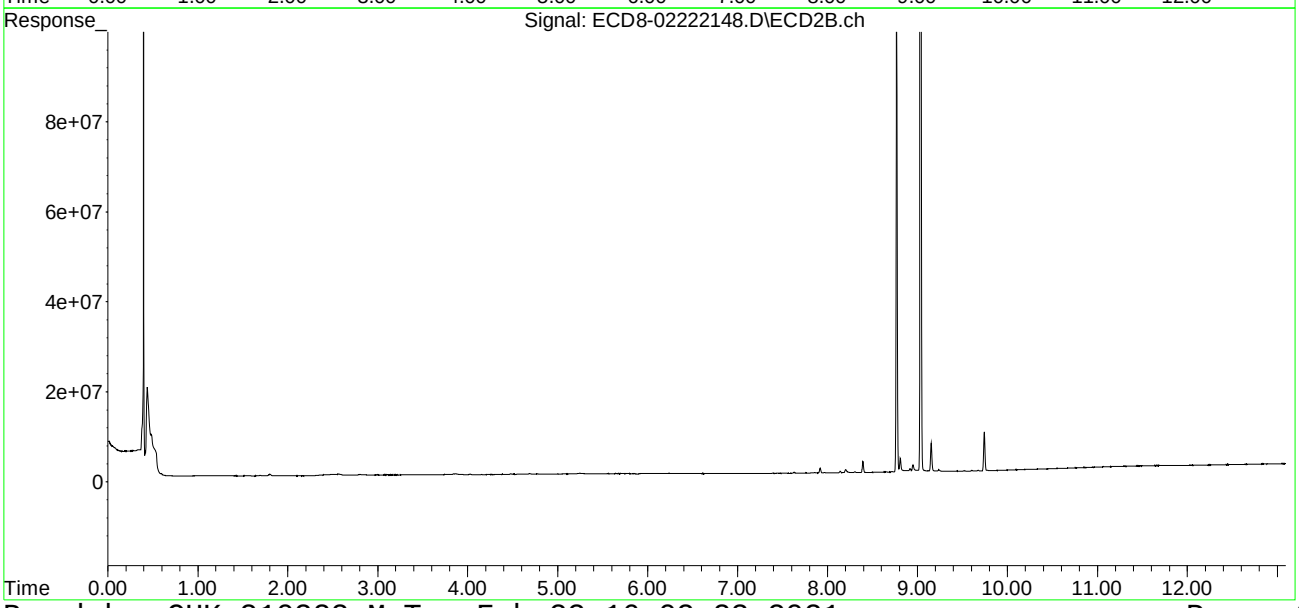
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:24
Operator : MJB 1B25056-BKD1
Sample : ~~1B22071-BKD2~~
Misc : A20K279
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 12:44:00 2021
Quant Method : C:\msdchem\1\methods\PestBreakdownCHK_210222.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.676	6.055	1755678	1860577	0.491	0.491	
22) S	DCBP (S)	9.915	10.609	1554393	1167406	0.074	0.236	#
	Target Compounds							
2)	a-BHC	6.229	6.651	2222261	2204979	0.488	0.457	
3)	g-BHC	6.517	6.968	1874105	1984533	0.468	0.470	
4)	b-BHC	6.586	7.041	10812	1139580	0.006	0.599	#
5)	Heptachlor	6.916	7.343	1842639	1933918	0.451	0.459	
6)	d-BHC	6.766f	7.290	1728917	1930864	0.453	0.481	
7)	Aldrin	7.159	7.608	1722892	1662941	0.454	0.429	
8)	Heptachlo...	7.634	8.046	1867692	1866370	0.531	0.517	
9)	trans-Chl...	7.728	8.186	1776814	1838997	0.500	0.494	
10)	cis-Chlor...	7.825	8.293	1777335	1835270	0.345	0.522	#
11)	Endosulfa...	7.930	8.344	1637136	1664447	0.505	0.507	
12)	4,4'-DDE	7.877	8.394	2099775	1915941	0.586	0.536	
13)	Dieldrin	8.103	8.544	1742625	1714474	0.482	0.469	
14)	Endrin	8.274	8.770	1311200	1305037	0.528	0.553	
15)	4,4'-DDD	8.311	8.812	1569408	1546397	0.533	0.524	
16)	Endosulfa...	8.440	8.919	1364741	1428372	0.473	0.500	
17)	4,4'-DDT	8.506	9.038	1280117	1335145	0.460	0.507	
18)	Endrin Al...	8.737	9.155	2068221	2081253	0.474	0.540	
19)	Endosulfa...	9.044	9.351	1441708	1502423	0.520	0.538	
20)	Methoxychlor	8.838	9.506	666585	706809	0.314	0.418	#
21)	Endrin Ke...	9.245	9.744	1713787	2282416	0.478	0.426	
23)	Hexachlor...	0.000	3.783	0	59926	N.D.	0.017	#
24)	Hexachlor...	0.000	6.520	0	33235	N.D.	0.009	#
25)	Oxychlordane	7.545	7.966	32594	26053	0.011	0.008	
26)	2,4'-DDE	7.634	8.148	1867692	32168	0.819	0.014	#
27)	trans-Non...	7.825f	0.000	1777335	0	0.516	N.D.	#
28)	2,4'-DDD	8.026f	8.544	16421	1714474	0.008	0.820	#
29)	2,4'-DDT	8.192	8.770	8550	1305037	0.004	0.681	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

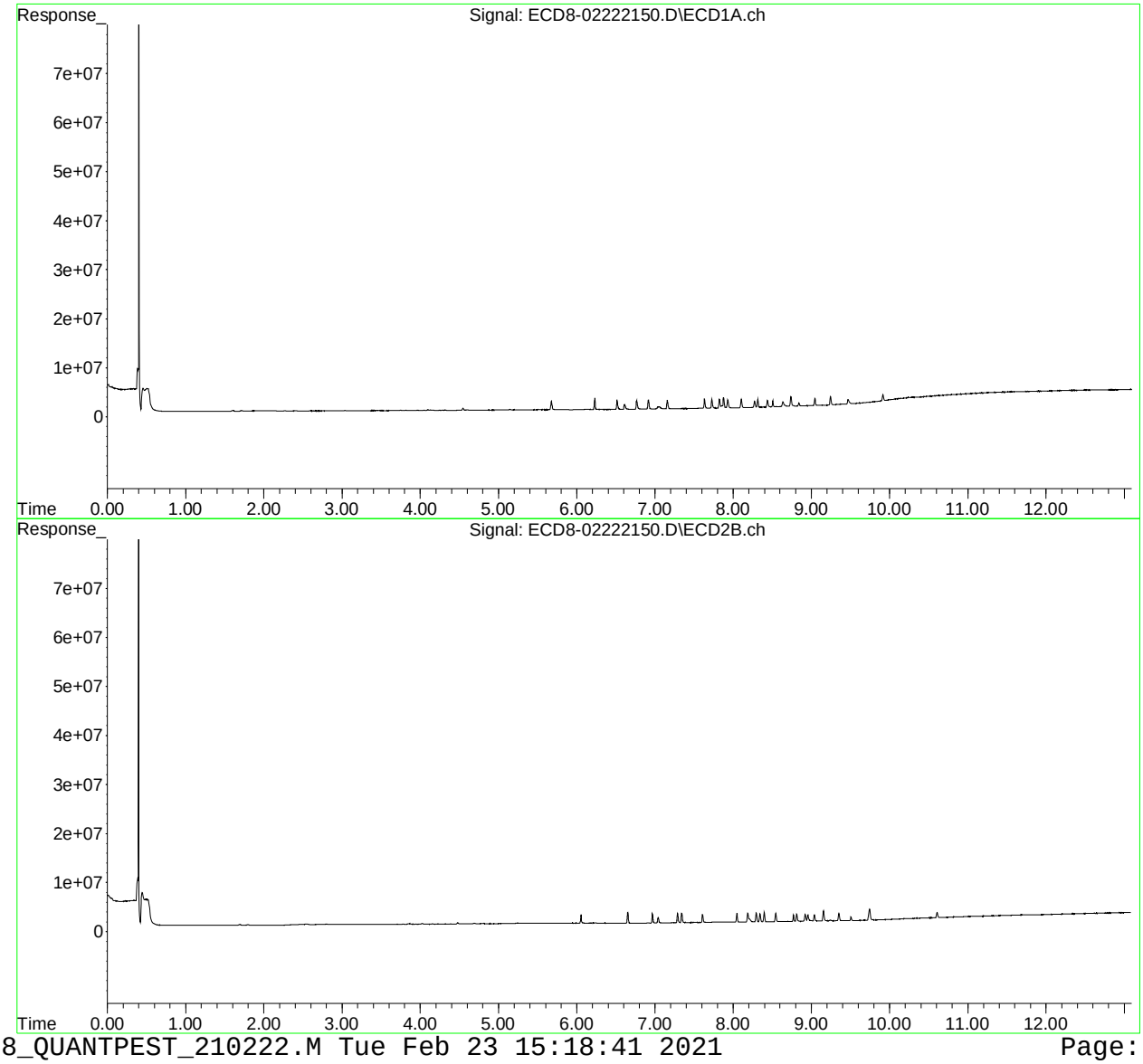
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.274	8.812	1311200	1546397	0.358	0.409	
31)	Mirex	8.977	9.744	13721	2282416	1187265.810	0.793	#
32)	Chlordane...	7.728	8.186	1776814	1838997	4.849	4.427	
33)	Chlordane...	7.825	8.293	1777335	1835270	4.829	5.245	
34)	Chlordane...	8.382	8.955	18851	1347294	0.164	11.843	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.825f	8.513	1777335	14673	119.470	0.386	#
37)	Toxaphene...	8.103	8.867	1742625	25187	52.905	0.534	#
38)	Toxaphene...	8.440	8.919	1364741	1428372	19.687	20.309	
39)	Toxaphene...	8.635f	8.955	1030802	1347294	13.851	11.309	
40)	Toxaphene...	8.900	9.155	12934	2081253	0.218	30.211	#
41)	Toxaphene...	8.977	9.550f	13721	14804	0.204	0.198	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

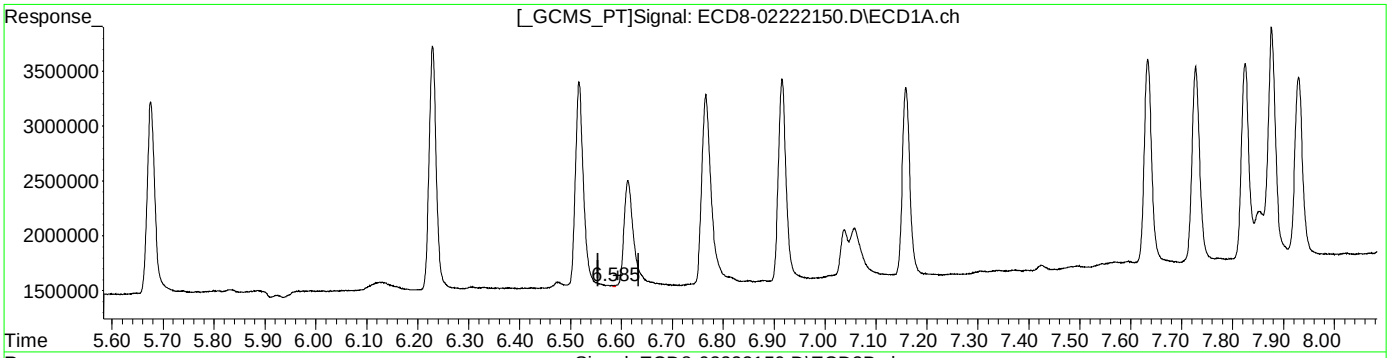
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

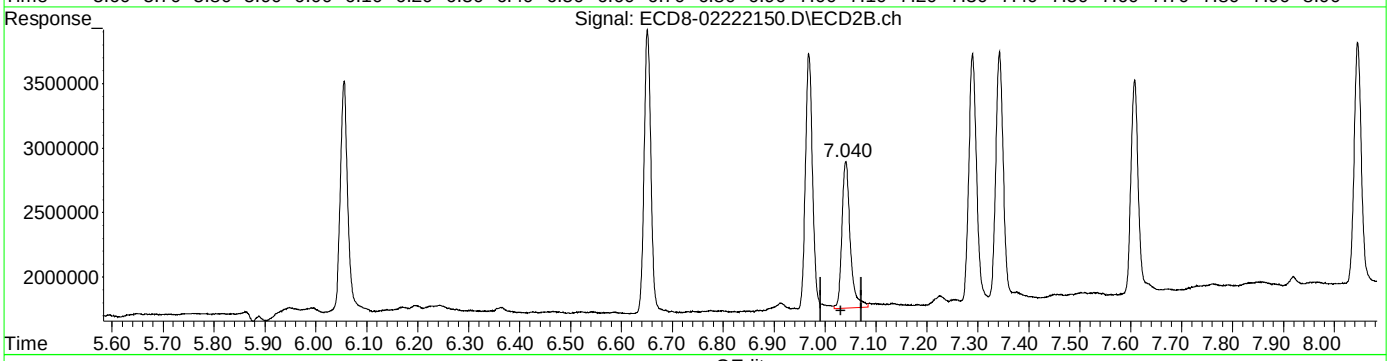


Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(4) b-BHC
6.586min 0.006 ng/mL
response 10812

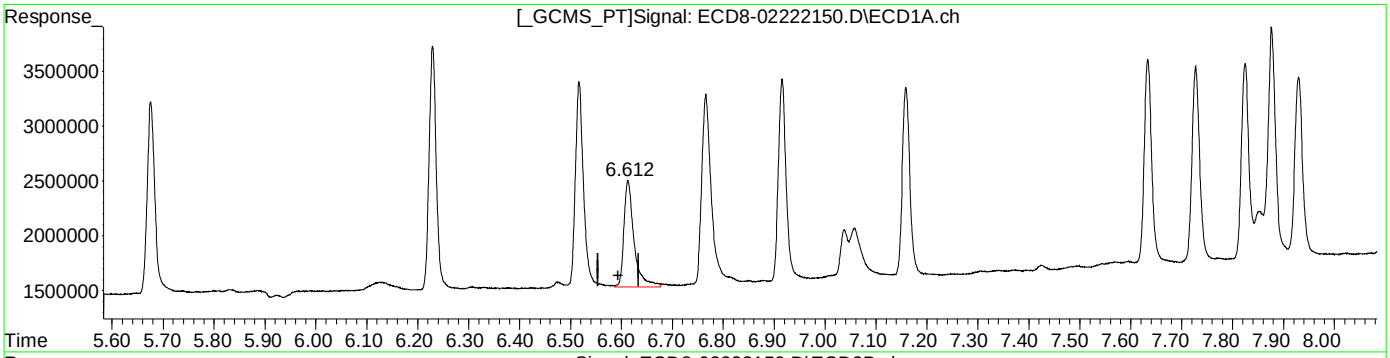
(4) b-BHC #2
7.041min 0.599 ng/mL
response 1139580

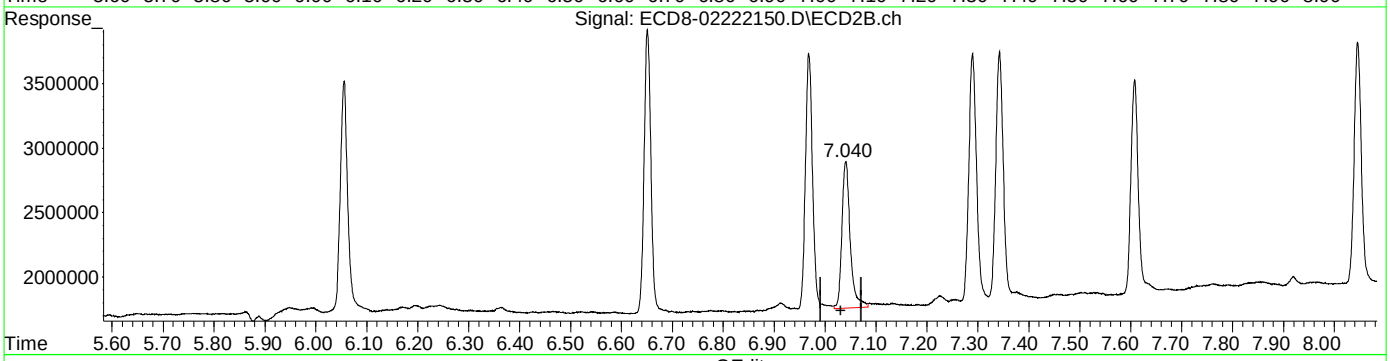
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





QEdit

(4) b-BHC
6.612min 0.549 ng/mL m
response 972914

(4) b-BHC #2
7.041min 0.599 ng/mL
response 1139580

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB
Sample : ~~1B22071-CALX~~ 1B25056-CAL1
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

Curve point was not used in calibration.

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.676	6.055	1755678	1860577	0.491	0.491
22) S	DCBP (S)	9.915	10.609	1554393	1167406	0.074	0.236 #
	Target Compounds						
2)	a-BHC	6.229	6.651	2222261	2204979	0.488	0.457
3)	g-BHC	6.517	6.968	1874105	1984533	0.468	0.470
4)	b-BHC	6.612	7.041	972914	1139580	0.549m	0.599
5)	Heptachlor	6.916	7.343	1842639	1933918	0.451	0.459
6)	d-BHC	6.766f	7.290	1728917	1930864	0.453	0.481
7)	Aldrin	7.159	7.608	1722892	1662941	0.454	0.429
8)	Heptachlo...	7.634	8.046	1867692	1866370	0.531	0.517
9)	trans-Chl...	7.728	8.186	1776814	1838997	0.500	0.494
10)	cis-Chlor...	7.825	8.293	1777335	1835270	0.345	0.522 #
11)	Endosulfa...	7.930	8.344	1637136	1664447	0.505	0.507
12)	4,4'-DDE	7.877	8.394	2099775	1915941	0.586	0.536
13)	Dieldrin	8.103	8.544	1742625	1714474	0.482	0.469
14)	Endrin	8.274	8.770	1311200	1305037	0.528	0.553
15)	4,4'-DDD	8.311	8.812	1569408	1546397	0.533	0.524
16)	Endosulfa...	8.440	8.919	1364741	1428372	0.473	0.500
17)	4,4'-DDT	8.506	9.038	1280117	1335145	0.460	0.507
18)	Endrin Al...	8.737	9.155	~~2068221~~	2081253	0.474	0.540
19)	Endosulfa...	9.044	9.351	1441708	1502423	0.520	0.538
20)	Methoxychlor	8.838	9.506	666585	706809	0.314	0.418 #
21)	Endrin Ke...	9.245	9.744	1713787	2282416	0.478	0.426
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB 1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

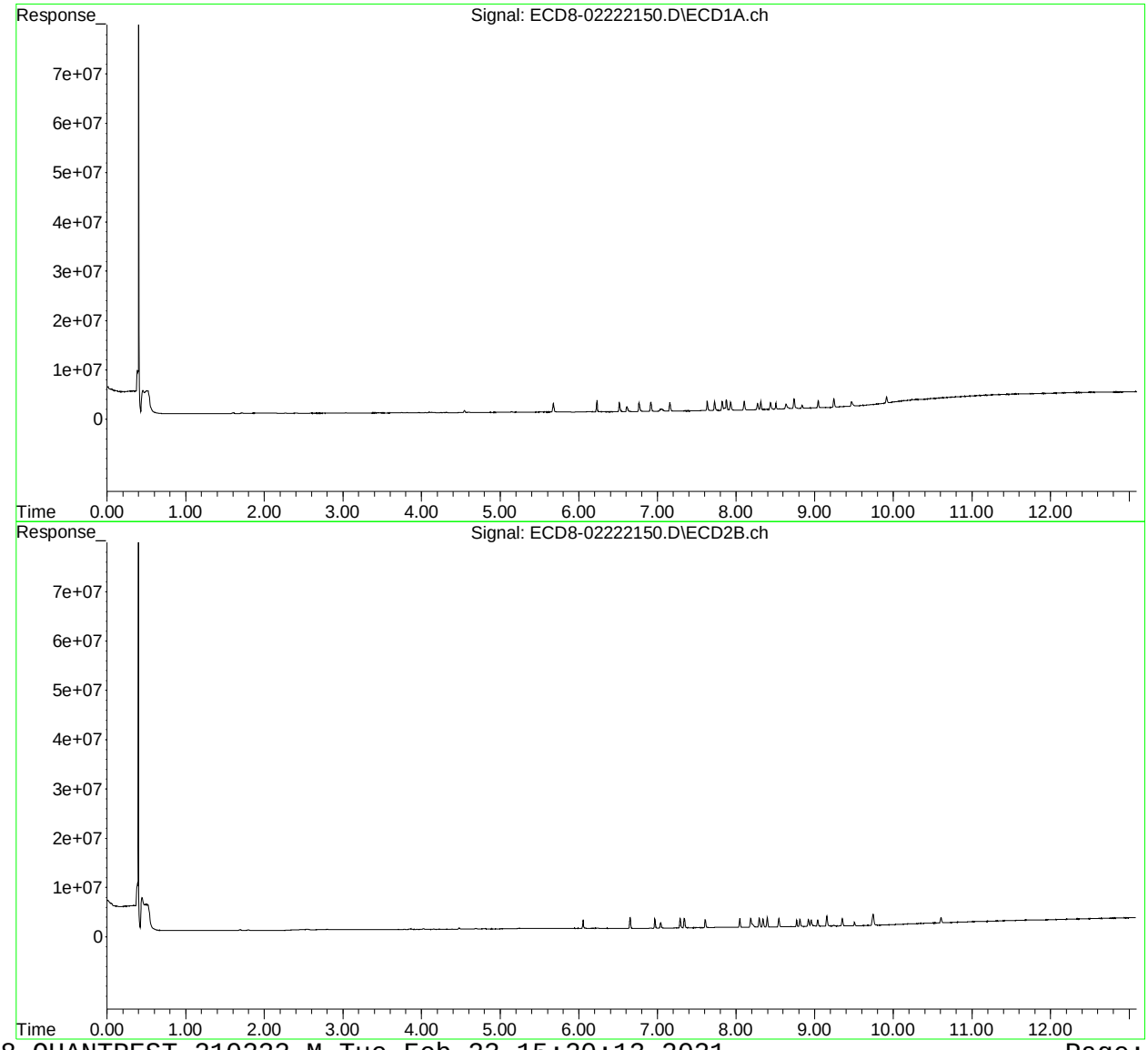
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 12:56
Operator : MJB1B25056-CAL1
Sample : ~~1B22071-CALX~~
Misc : A21B443, AB 0.5 ppb
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:17:38 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.677	6.055	3089516	3171759	0.864	0.837	
22)	S	DCBP (S)	9.913	10.608	2655464	1991701	0.524	0.628	
		Target Compounds							
2)		a-BHC	6.230	6.652	3881163	3945238	0.852	0.818	
3)		g-BHC	6.518	6.969	3048133	3438052	0.761	0.815	
4)		b-BHC	6.587	7.040	14602	1839198	0.008	0.966	#
5)		Heptachlor	6.916	7.343	3086921	3366411	0.756	0.800	
6)		d-BHC	6.729	7.289	8760	3349325	0.002	0.835	#
7)		Aldrin	7.160	7.608	3002594	3034328	0.792	0.783	
8)		Heptachlo...	7.634	8.045	3126066	3174485	0.888	0.879	
9)		trans-Chl...	7.728	8.186	3087656	3098627	0.869	0.833	
10)		cis-Chlor...	7.825	8.294	3067156	3054425	0.736	0.869	
11)		Endosulfa...	7.930	8.344	2868001	2860014	0.884	0.871	
12)		4,4'-DDE	7.877	8.394	3407128	3205556	0.951	0.897	
13)		Dieldrin	8.103	8.544	2975189	2913255	0.823	0.797	
14)		Endrin	8.273	8.769	2263795	2122366	0.911	0.899	
15)		4,4'-DDD	8.311	8.812	2575075	2541451	0.874	0.861	
16)		Endosulfa...	8.439	8.918	2262321	2356801	0.784	0.825	
17)		4,4'-DDT	8.505	9.037	2143263	2175483	0.770	0.859	
18)		Endrin Al...	8.736	9.154	3391517	3341794	0.923	0.996	
19)		Endosulfa...	9.044	9.350	2314150	2421845	0.835	0.867	
20)		Methoxychlor	8.838	9.505	1092433	1184029	0.643	0.825	#
21)		Endrin Ke...	9.244	9.744	2916439	3277354	0.813	0.752	
23)		Hexachlor...	3.472	3.783	24200	85417	10575.090	0.024	#
24)		Hexachlor...	6.063	6.519	30314	13338	0.008	0.004	#
25)		Oxychlordane	7.564	7.960	43237	27211	0.014	0.009	#
26)		2,4'-DDE	7.634	8.186	3126066	3098627	1.371	1.327	
27)		trans-Non...	7.825f	0.000	3067156	0	0.891	N.D.	#
28)		2,4'-DDD	8.019f	8.544	28344	2913255	0.014	1.394	#
29)		2,4'-DDT	8.184	8.769	10109	2122366	0.005	1.141	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

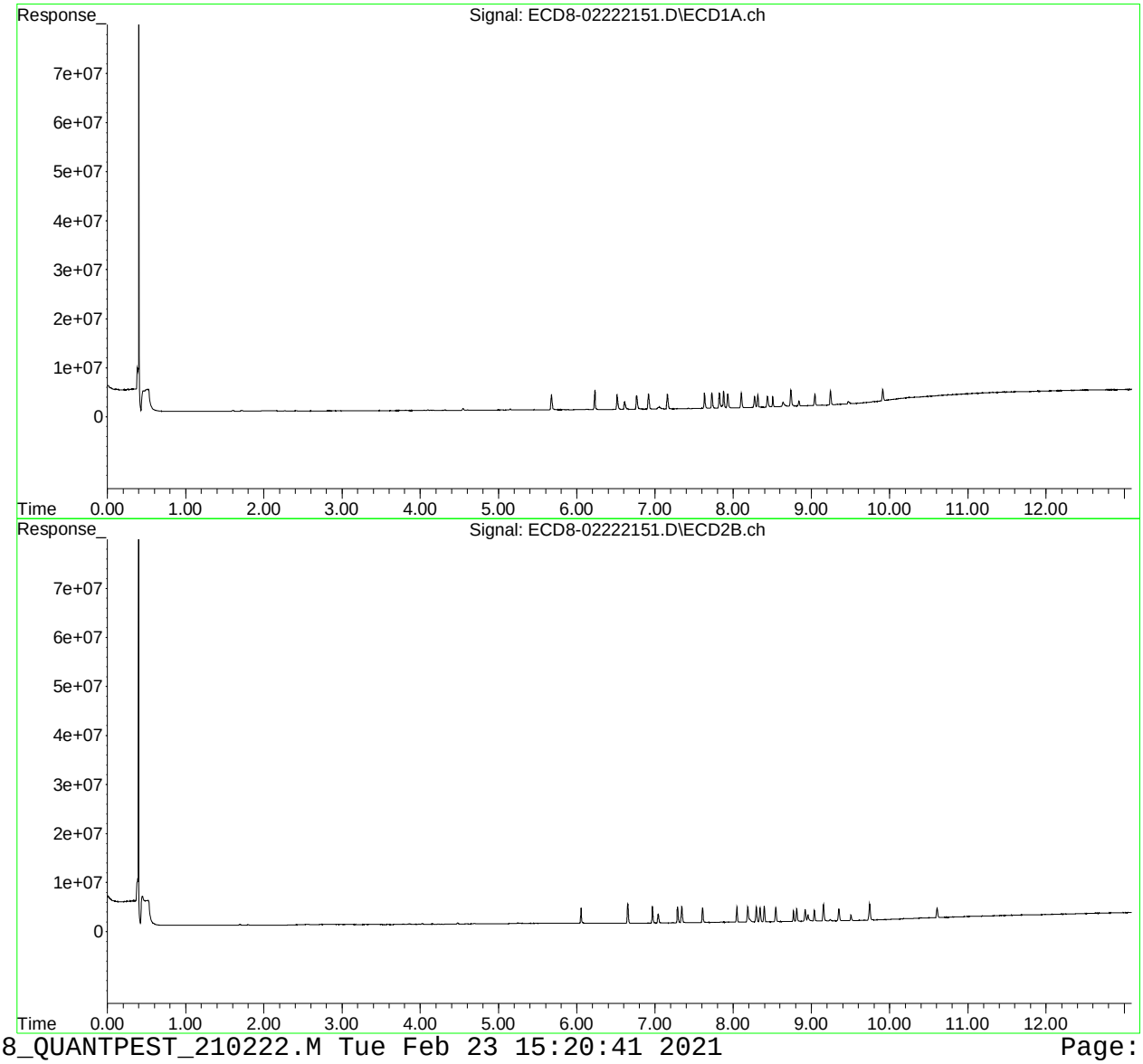
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.273	8.812	2263795	2541451	0.618	0.671	
31)	Mirex	8.965	9.744	13720	3277354	1187265.810	1.249	#
32)	Chlordane...	7.728	8.186	3087656	3098627	8.425	7.460	
33)	Chlordane...	7.825	8.294	3067156	3054425	8.334	8.729	
34)	Chlordane...	8.376	8.956	27894	1281645	0.243	11.265	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.825f	8.501	3067156	8669	206.171	0.228	#
37)	Toxaphene...	8.103	0.000	2975189	0	90.325	N.D.	#
38)	Toxaphene...	8.409	8.918	5582	2356801	0.081	33.509	#
39)	Toxaphene...	8.636f	8.956	962319	1281645	12.931	10.758	
40)	Toxaphene...	8.897	9.154	11009	3341794	0.185	48.509	#
41)	Toxaphene...	8.970	9.505f	11265	1184029	0.167	15.812	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

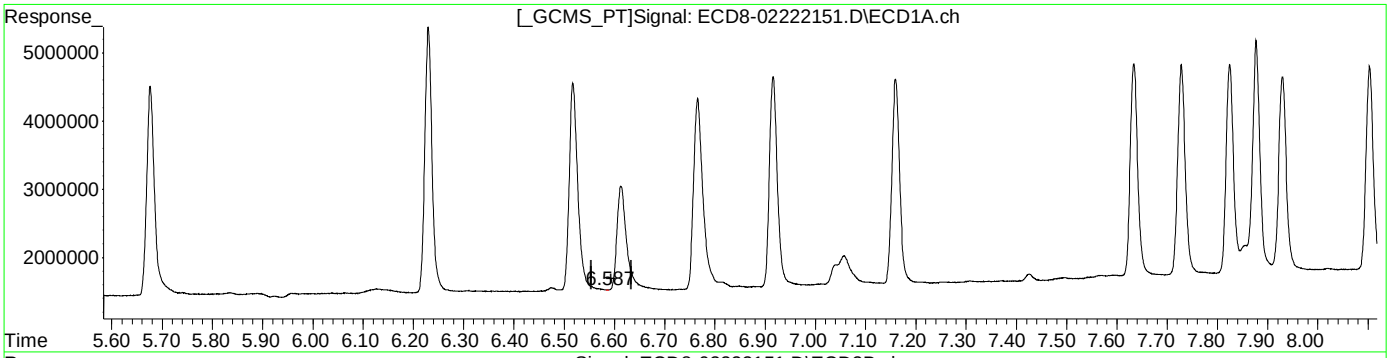
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(4) b-BHC
6.587min 0.008 ng/mL
response 14602

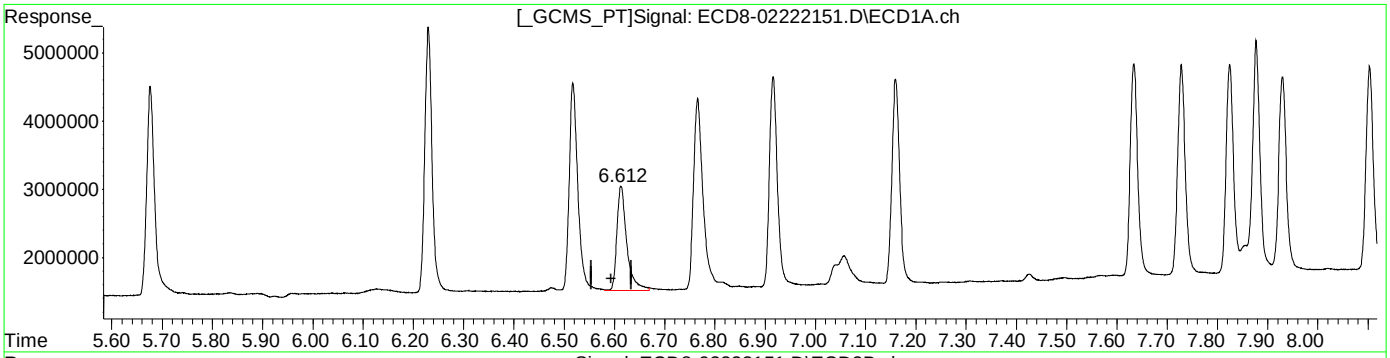
(4) b-BHC #2
7.040min 0.966 ng/mL
response 1839198

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(4) b-BHC
6.612min 0.866 ng/mL m
response 1534080

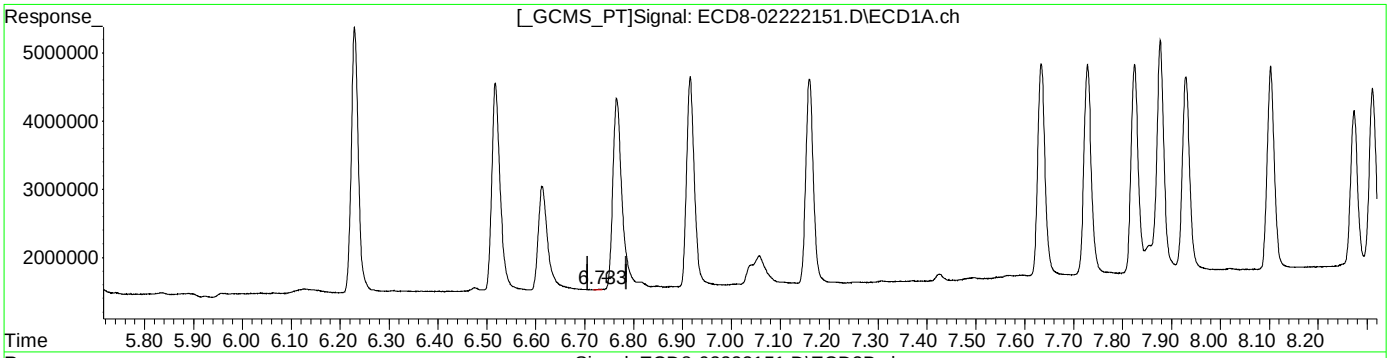
(4) b-BHC #2
7.040min 0.966 ng/mL
response 1839198

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(6) d-BHC
6.729min 0.002 ng/mL
response 8760

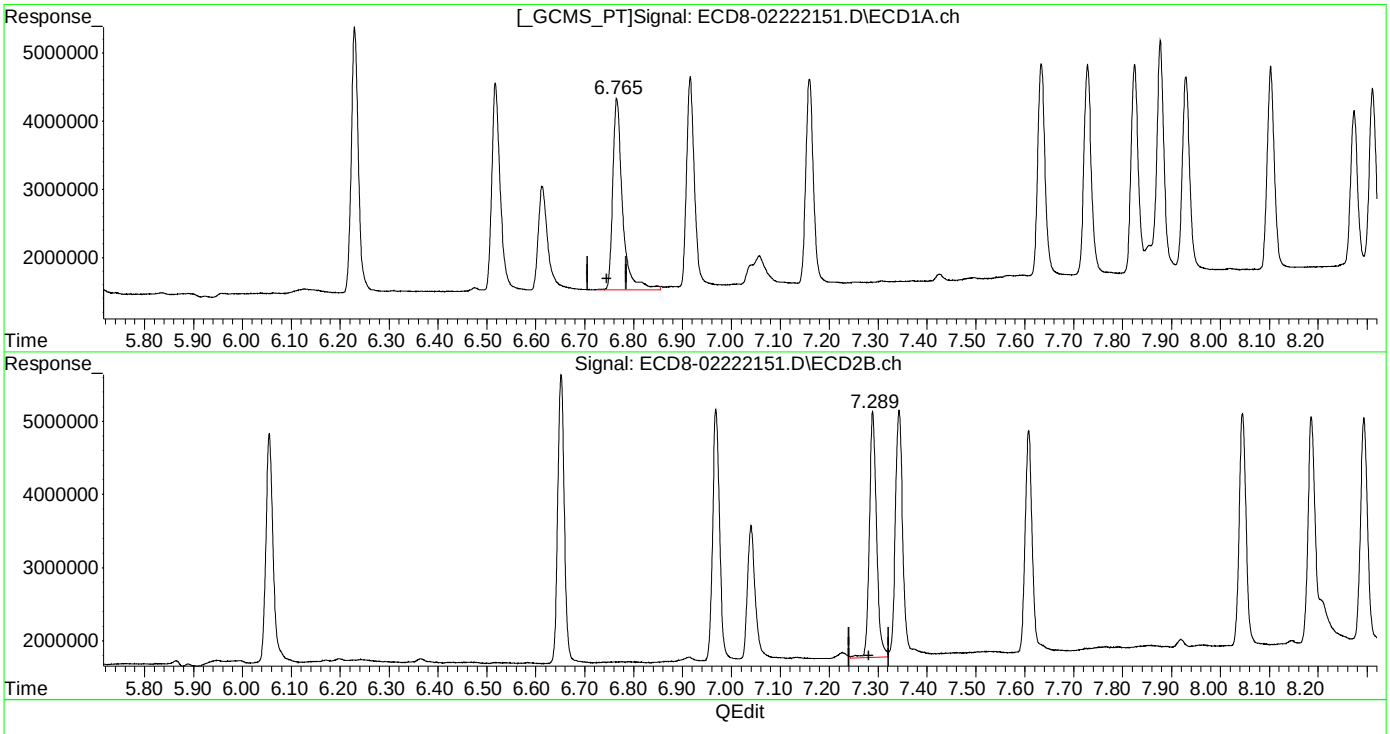
(6) d-BHC #2
7.289min 0.835 ng/mL
response 3349325

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



QEdit

(6) d-BHC
6.765min 0.737 ng/mL m
response 2812527

(6) d-BHC #2
7.289min 0.835 ng/mL
response 3349325

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~ MJB 2/23/21
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.677	6.055	3089516	3171759	0.864	0.837
22) S	DCBP (S)	9.913	10.608	2655464	1991701	0.524	0.628
	Target Compounds						
2)	a-BHC	6.230	6.652	3881163	3945238	0.852	0.818
3)	g-BHC	6.518	6.969	3048133	3438052	0.761	0.815
4)	b-BHC	6.612	7.040	1534080	1839198	0.866m	0.966
5)	Heptachlor	6.916	7.343	3086921	3366411	0.756	0.800
6)	d-BHC	6.765	7.289	2812527	3349325	0.737m	0.835
7)	Aldrin	7.160	7.608	3002594	3034328	0.792	0.783
8)	Heptachlo...	7.634	8.045	3126066	3174485	0.888	0.879
9)	trans-Chl...	7.728	8.186	3087656	3098627	0.869	0.833
10)	cis-Chlor...	7.825	8.294	3067156	3054425	0.736	0.869
11)	Endosulfa...	7.930	8.344	2868001	2860014	0.884	0.871
12)	4,4'-DDE	7.877	8.394	3407128	3205556	0.951	0.897
13)	Dieldrin	8.103	8.544	2975189	2913255	0.823	0.797
14)	Endrin	8.273	8.769	2263795	2122366	0.911	0.899
15)	4,4'-DDD	8.311	8.812	2575075	2541451	0.874	0.861
16)	Endosulfa...	8.439	8.918	2262321	2356801	0.784	0.825
17)	4,4'-DDT	8.505	9.037	2143263	2175483	0.770	0.859
18)	Endrin Al...	8.736	9.154	~~3391517~~	3341794	0.923	0.996
19)	Endosulfa...	9.044	9.350	2314150	2421845	0.835	0.867
20)	Methoxychlor	8.838	9.505	1092433	1184029	0.643	0.825 #
21)	Endrin Ke...	9.244	9.744	2916439	3277354	0.813	0.752
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Curve point was not used in calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

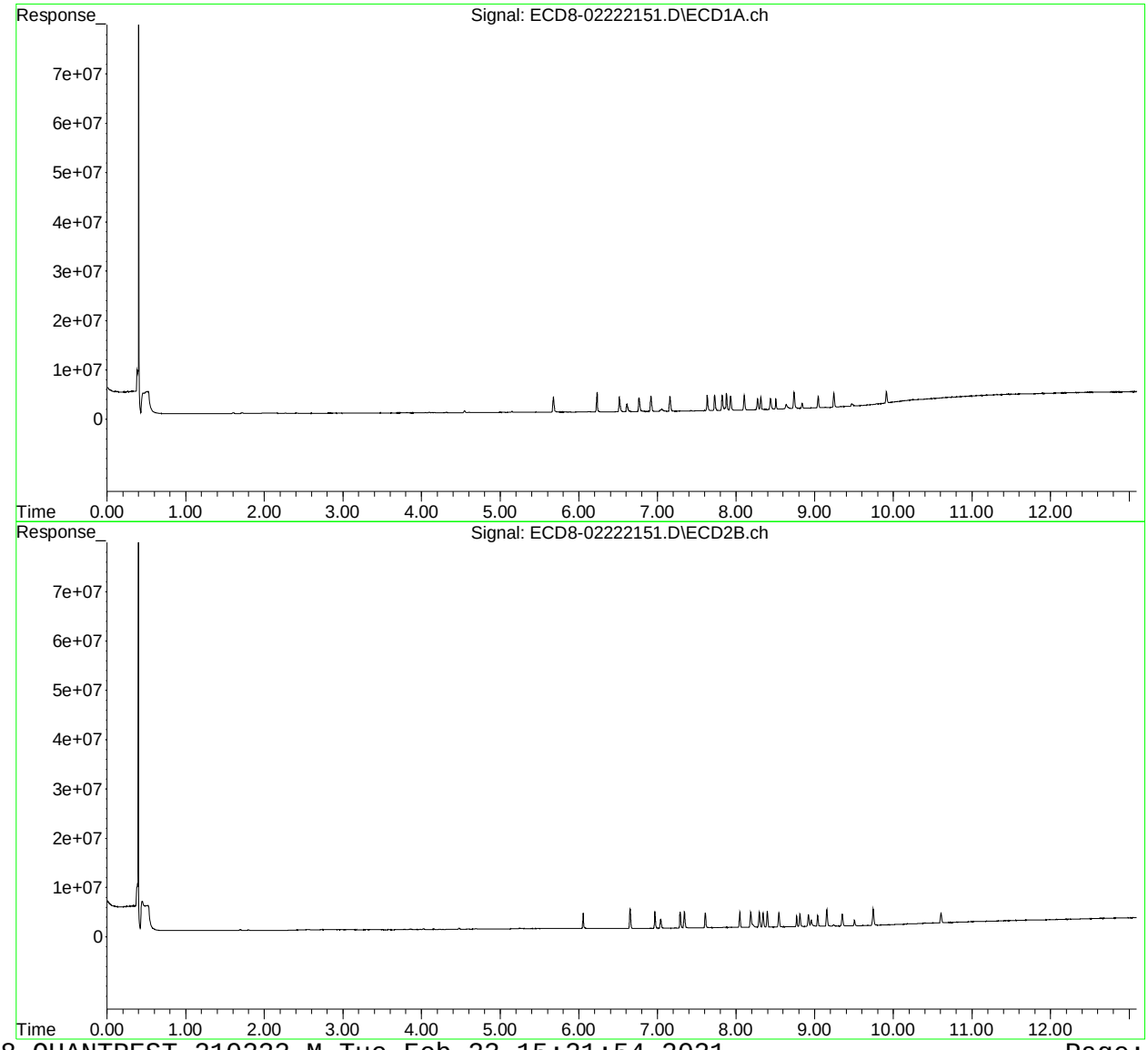
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222151.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:13
Operator : MJB 1B25056-CAL2
Sample : ~~1B22071-CALY~~
Misc : A21B444, AB 1 ppb
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:20:01 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB 1B25056-CAL3
Sample : ~~1B22071-CALZ~~
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:22:30 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.464	3.771	1999025	2259249	0.537	0.626
24)	Hexachlor...	6.064	6.521	1575049	1782150	0.438	0.469
25)	Oxychlordane	7.556	7.977	1465803	1560221	0.476	0.496
26)	2,4'-DDE	7.626	8.172	1192845	1189427	0.523	0.509
27)	trans-Non...	7.812	8.253	1638252	1762762	0.476	0.497
28)	2,4'-DDD	8.008	8.547	992555	1125638	0.500	0.539
29)	2,4'-DDT	8.186	8.769	944593	1012093	0.460	0.516

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB 1B25056-CAL3
Sample : ~~1B22071-CALZ~~
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:22:30 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

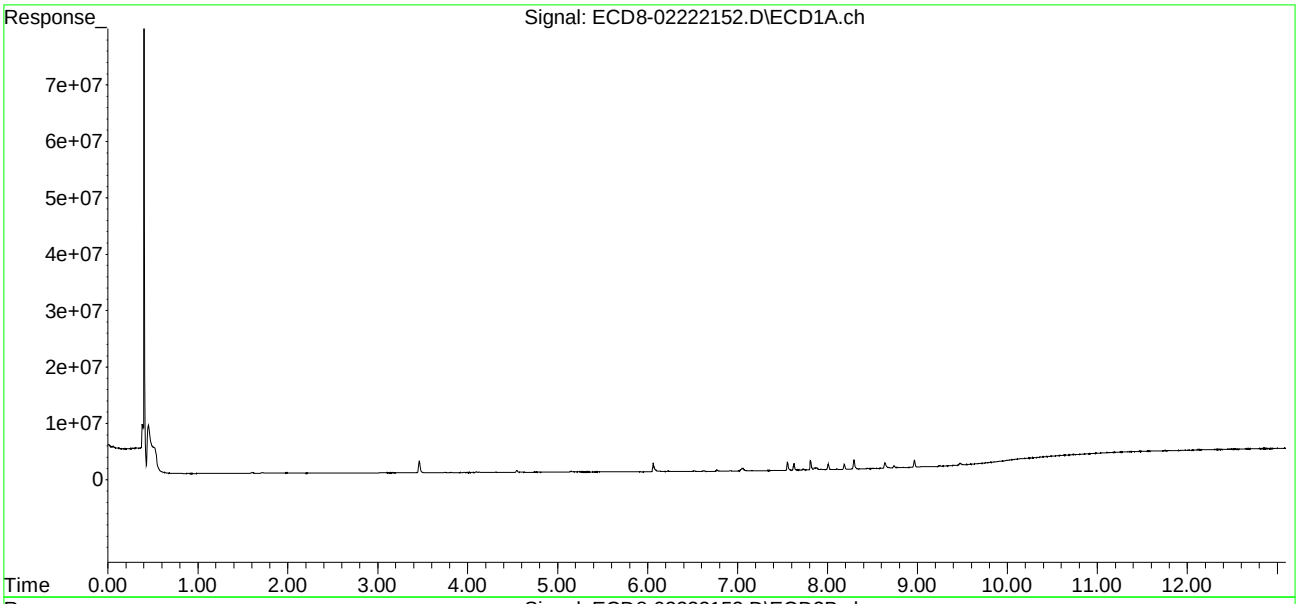
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.293	8.816	1656148	1870927	0.452	0.494
31)	Mirex	8.966	9.735	1264305	1705947	0.363	0.528 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

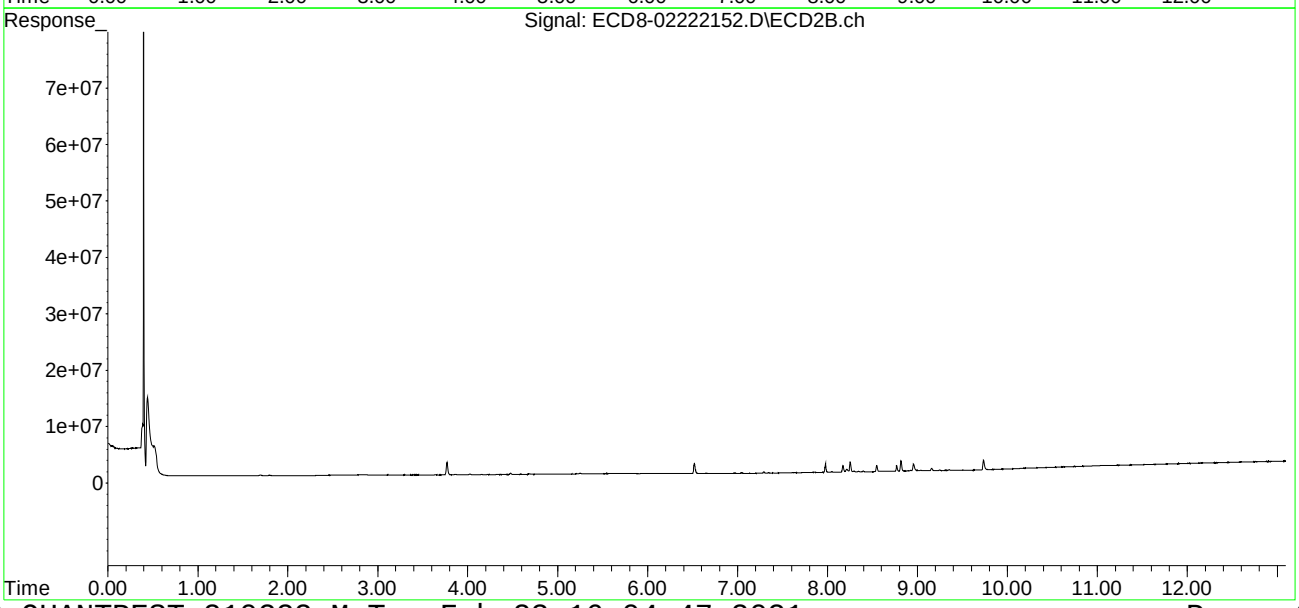
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:29
Operator : MJB 1B25056-CAL3
Sample : ~~1B22071-CALZ~~
Misc : A21B445, 9-42 0.5 ppb
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:22:30 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB 1B25056-CAL4
Sample : ~~1B22071-CALAA~~
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

MJB 2/23/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:23:23 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB 1B25056-CAL4
Sample : ~~1B22071-CALAA~~
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:23:23 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

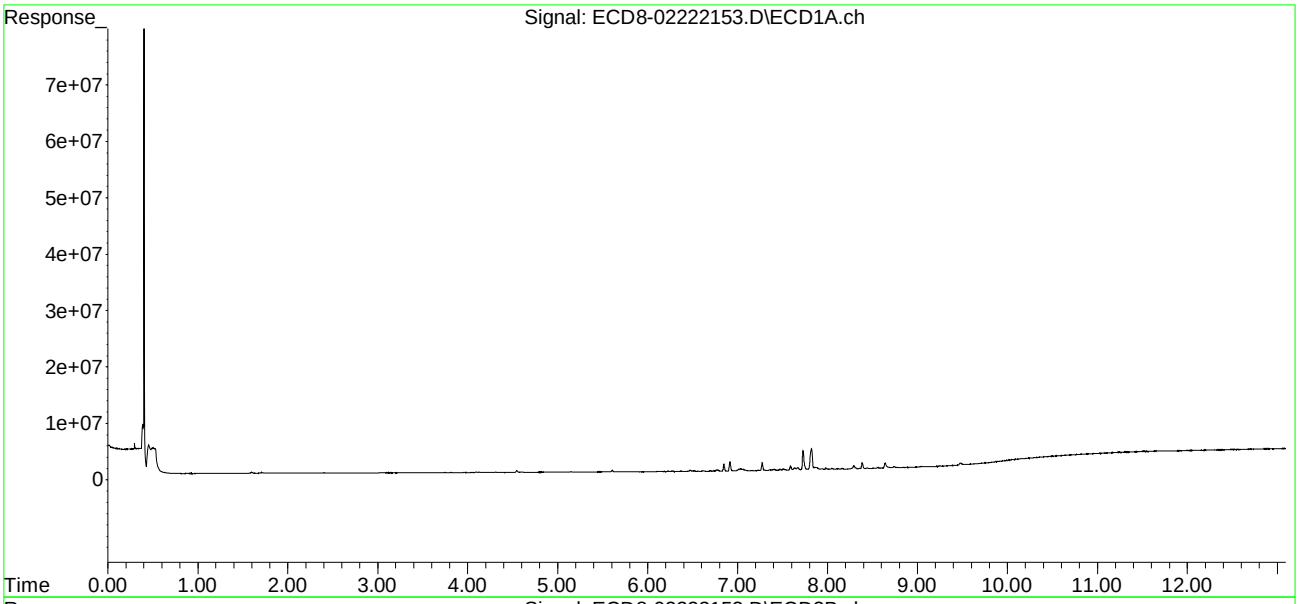
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.729	8.187	3436436	3757800	9.377	9.047
33)	Chlordane...	7.823	8.294	3740830	3289778	10.165	9.402
34)	Chlordane...	8.385	8.956	1049375	2092022	9.145	18.389 #
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

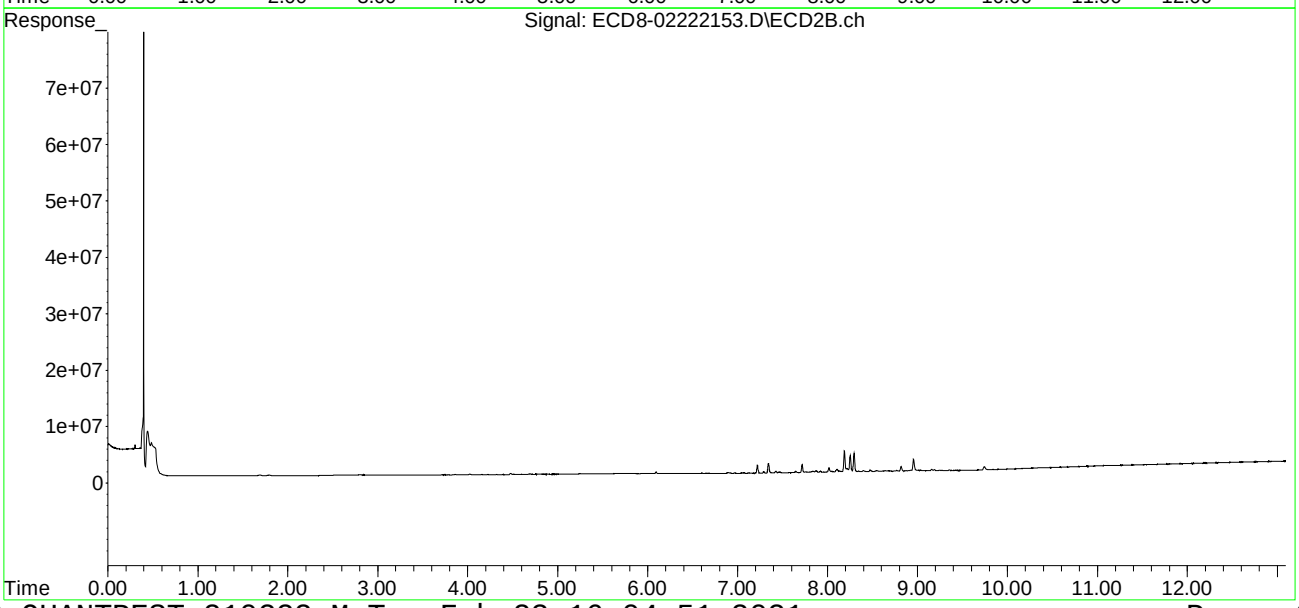
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 13:45
Operator : MJB 1B25056-CAL4
Sample : ~~1B22071-CALAA~~
Misc : A21B446, CHLOR 10 ppb
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:23:23 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB 1B25056-CAL5
Sample : ~~1B22071-CALAB~~ MJB 2/23/21
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:24:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB
Sample : ~~1B22071-CALAB~~ 1B25056-CAL5
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:24:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation

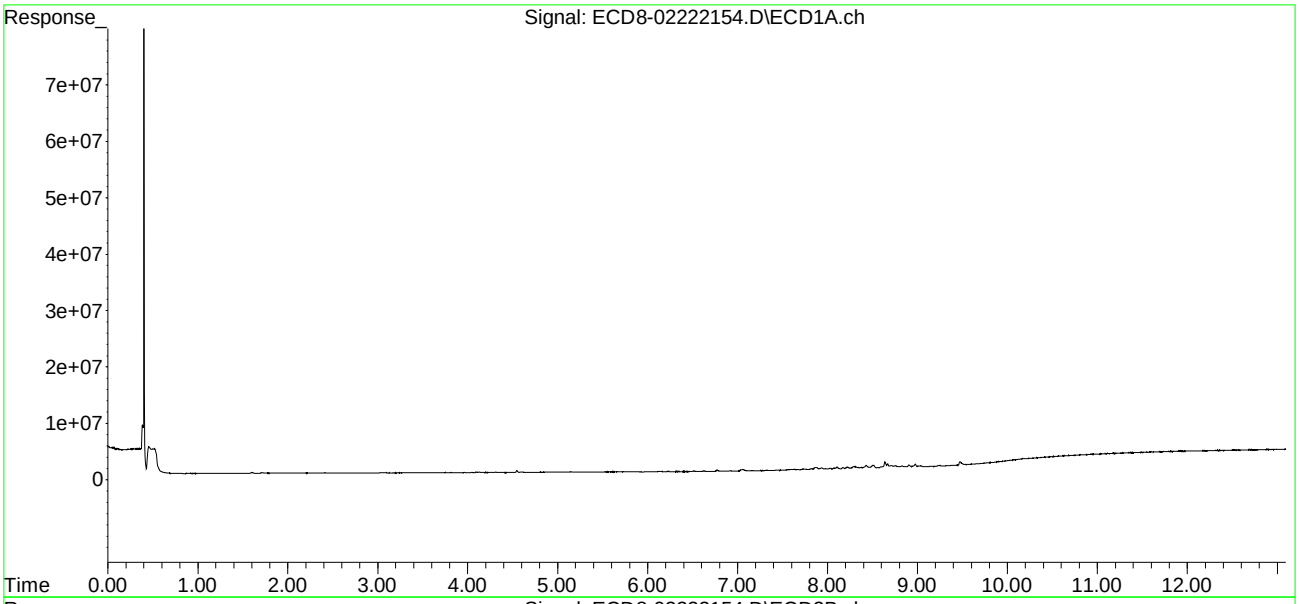
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d	
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d	
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d	
36)	Toxaphene...	7.823f	8.522	157540	355295	10.590	9.349	
37)	Toxaphene...	8.107	8.876	331240	394935	10.056	8.377	
38)	Toxaphene...	8.429	8.909	541688	638427	7.814	9.077	
39)	Toxaphene...	8.667	8.974	682782	1223038	9.175	10.266	
40)	Toxaphene...	8.904	9.156	400097	739186	6.740	10.730	#
41)	Toxaphene...	8.975	9.533	499987	571304	7.426	7.629	
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d	

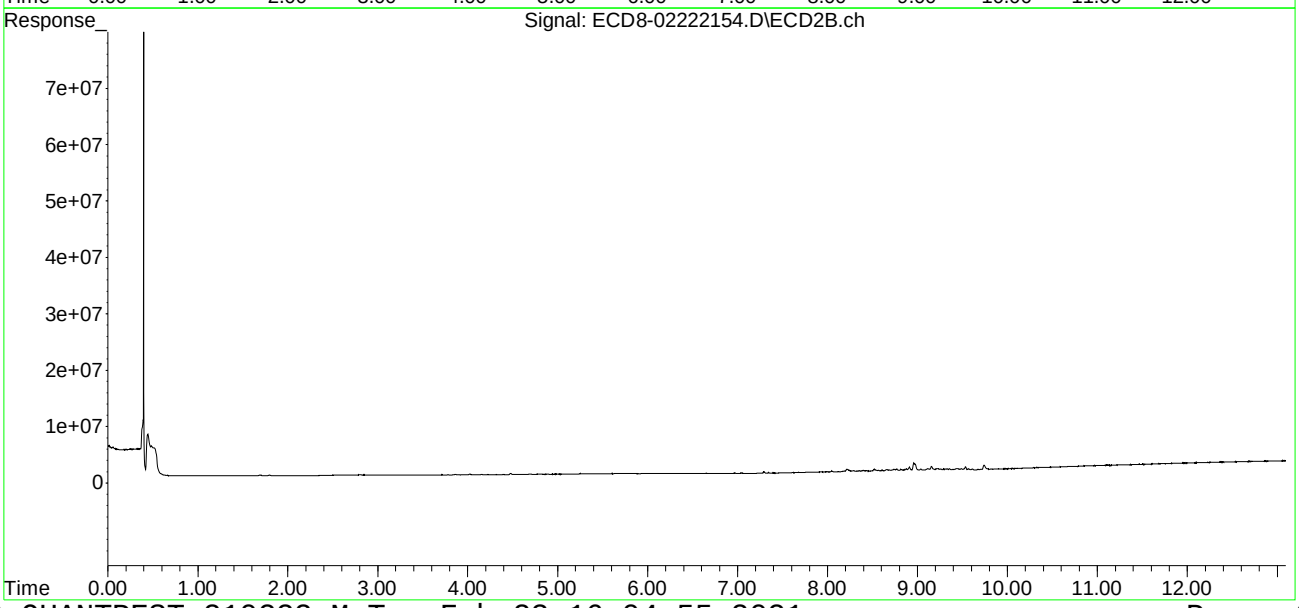
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-02\1B22071\
Data File : ECD8-02222154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Feb 2021 14:01
Operator : MJB
Sample : ~~1B22071-CALAB~~ 1B25056-CAL5
Misc : A21B447, TOX 10 ppb
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Feb 23 15:24:12 2021
Quant Method : C:\msdchem\1\methods\ECD8_QUANTPEST_210222.M
Quant Title : Instrument: DualECD8
QLast Update : Tue Feb 23 09:55:44 2021
Response via : Initial Calibration
Integrator: ChemStation





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

Organochlorine Pesticides by EPA 8081B
Calibration Data

Sequence 1C03049 (Cal ID A1C0405) DUALECD3

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1C03049**	Instrument:	**DUALECD3**
Date:	**03/03/21 11:55**	Calibration:	**A1C0405**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1C03049-BKD1	Water	QC	QC				A21C007
2	1C03049-ICB1	Water	QC	QC				A21B195
3	1C03049-CAL1	Water	QC	QC				A21C048
4	1C03049-CAL2	Water	QC	QC				A21C049
5	1C03049-CAL3	Water	QC	QC				A21B419
6	1C03049-CAL4	Water	QC	QC				A21B420
7	1C03049-CAL5	Water	QC	QC				A21B421
8	1C03049-CAL6	Water	QC	QC				A21B422
9	1C03049-CAL7	Water	QC	QC				A21B423
10	1C03049-CAL8	Water	QC	QC				A21B424
11	1C03049-CAL9	Water	QC	QC				A21B418
12	1C03049-IBL1	Water	QC	QC				
13	1C03049-ICV1	Water	QC	QC				A20I130
14	1C03049-CALA	Water	QC	QC				A21C050
15	1C03049-CALB	Water	QC	QC				A20I180
16	1C03049-CALC	Water	QC	QC				A20I181
17	1C03049-CALD	Water	QC	QC				A20I182
18	1C03049-CALE	Water	QC	QC				A20I183
19	1C03049-CALF	Water	QC	QC				A20I184
20	1C03049-CALG	Water	QC	QC				A21A187
21	1C03049-CALH	Water	QC	QC				A21A188
22	1C03049-CALI	Water	QC	QC				A20I179
23	1C03049-IBL2	Water	QC	QC				
24	1C03049-ICV2	Water	QC	QC				A20I187
25	1C03049-CALJ	Water	QC	QC				A21C051
26	1C03049-CALK	Water	QC	QC				A20L139
27	1C03049-CALL	Water	QC	QC				A20L140
28	1C03049-CALM	Water	QC	QC				A20L141
29	1C03049-CALN	Water	QC	QC				A20L142
30	1C03049-CALO	Water	QC	QC				A20L143
31	1C03049-CALP	Water	QC	QC				A20L138
32	1C03049-IBL3	Water	QC	QC				
33	1C03049-ICV3	Water	QC	QC				A20L144
34	1C03049-CALQ	Water	QC	QC				A21C052
35	1C03049-CALR	Water	QC	QC				A20K260
36	1C03049-CALS	Water	QC	QC				A20K261
37	1C03049-CALT	Water	QC	QC				A20K262
38	1C03049-CALU	Water	QC	QC				A20K263
39	1C03049-CALV	Water	QC	QC				A20K264
40	1C03049-CALW	Water	QC	QC				A20K259
41	1C03049-IBL4	Water	QC	QC				
42	1C03049-ICV4	Water	QC	QC				A20K265

Comments: ICAL

Data Entered By/Date: MJB 3/4/21

Data Reviewed By/Date: MKZ 3/5/2021

Calibration Status Report DUALECD3

A1C0405

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_210303.M
Title : Instrument: DualECD3
Last Update : Thu Mar 04 12:27:53 2021
Response Via : Initial Calibration

MJB 3/4/21

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032137.D
2	2	50	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032138.D
3	3	100	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032139.D
4	4	200	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032140.D
5	5	500	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032141.D
6	6	1000	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032142.D
7	7	2000	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032143.D
8	8	-1	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032124.D
9	9	-1	0	C:\msdchem\3\data\2021-03\1C03049\ECD3-03032125.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 04 12:27 2021	Mar 04 12:20 2021	03 Mar 2021 22:34
2	2	Mar 04 12:27 2021	Mar 04 12:22 2021	03 Mar 2021 22:51
3	3	Mar 04 12:27 2021	Mar 04 12:22 2021	03 Mar 2021 23:08
4	4	Mar 04 12:27 2021	Mar 04 12:23 2021	03 Mar 2021 23:25
5	5	Mar 04 12:27 2021	Mar 04 12:10 2021	03 Mar 2021 23:42
6	6	Mar 04 12:27 2021	Mar 04 12:23 2021	03 Mar 2021 23:59
7	7	Mar 04 12:27 2021	Mar 04 12:24 2021	04 Mar 2021 0:16
8	8	Mar 04 12:25 2021	Mar 04 12:15 2021	03 Mar 2021 18:51
9	9	Mar 04 12:25 2021	Mar 04 12:15 2021	03 Mar 2021 19:08

ECD3_QUANTPEST_210303.M Thu Mar 04 15:20:53 2021

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_210303.M
Title : Instrument: DualECD3
Last Update : Thu Mar 04 12:27:53 2021
Response Via : Initial Calibration

MJB 3/4/21

Calibration Files
1 =ECD3-03032137.D 2 =ECD3-03032138.D 3 =ECD3-03032139.D 4 =ECD3-03032140.D
5 =ECD3-03032141.D 6 =ECD3-03032142.D 7 =ECD3-03032143.D 8 =ECD3-03032124.D
9 =ECD3-03032125.D

	Compound	1	2	3	4	5	6	7	8	9	Avg		%RSD
1) S	TCMX (S)	2.448	2.288	2.202	2.034	1.976	1.915	1.916	1.922	1.912	2.068	E5	9.56
2)	a-BHC	3.015	2.861	2.800	2.790	2.686	2.650	2.682	2.700	2.707	2.766	E5	4.19
3)	g-BHC	2.773	2.553	2.503	2.398	2.364	2.252	2.324	2.359	2.358	2.432	E5	6.45
4)	b-BHC	1.699	1.375	1.226	1.092	1.056	0.996	1.014	0.999	1.017	1.164	E5	20.40
5)	Heptachlor	2.621	2.368	2.334	2.189	2.108	1.994	2.071	2.049	2.066	2.200	E5	9.26
6)	d-BHC	2.920	2.564	2.497	2.309	2.267	2.202	2.286	2.283	2.322	2.406	E5	9.35
7)	Aldrin	2.545	2.410	2.383	2.228	2.219	2.164	2.200	2.164	2.170	2.276	E5	6.01
8)	Heptachlor Exp...	2.757	2.404	2.223	2.058	2.032	1.889	1.897	1.848	1.850	2.106	E5	14.60
9)	trans-Chlordane	2.668	2.384	2.259	2.069	2.091	1.994	2.053	2.028	2.037	2.176	E5	10.29
10)	cis-Chlordane	2.956	2.453	2.216	2.052	1.992	1.918	1.957	1.950	1.977	2.163	E5	15.84
11)	Endosulfan I	2.544	2.183	2.069	1.884	1.875	1.759	1.793	1.744	1.754	1.956	E5	13.68
12)	4,4'-DDE	2.761	2.410	2.268	2.115	2.105	2.051	2.095	2.092	2.101	2.222	E5	10.43
13)	Dieldrin	2.754	2.298	2.202	2.072	2.054	1.972	2.027	2.009	2.038	2.158	E5	11.39
14)	Endrin	2.097	1.809	1.777	1.627	1.562	1.498	1.593	1.553	1.593	1.679	E5	11.17
15)	4,4'-DDD	2.460	2.075	1.921	1.782	1.783	1.737	1.799	1.753	1.809	1.902	E5	12.32
16)	Endosulfan II	2.355	1.943	1.811	1.623	1.603	1.510	1.578	1.552	1.589	1.729	E5	15.75
17)	4,4'-DDT	1.629	1.448	1.380	1.320	1.349	1.331	1.479	1.527	1.580	1.449	E5	7.81
18)	Endrin Aldehyde		2.518	2.282	1.568	1.446	1.333	1.378	1.371	1.400	1.662	E5	27.99
19)	Endosulfan Sul...	2.368	1.936	1.785	1.578	1.548	1.464	1.523	1.515	1.546	1.696	E5	17.34
20)	Methoxychlor	9.844	8.534	7.962	7.211	7.026	6.763	7.339	7.413	7.771	7.763	E4	12.15
21)	Endrin Ketone	2.530	2.114	1.887	1.736	1.712	1.651	1.683	1.699	1.758	1.863	E5	15.44
22) S	DCBP (S)	1.688	1.609	1.507	1.342	1.299	1.263	1.278	1.228	1.311	1.392	E5	11.98
23)	Hexachlorobuta...	2.626	2.669	2.516	2.309	2.173	2.312	2.212	2.268	2.253	2.371	E5	7.77
24)	Hexachlorobenzene	2.731	2.575	2.309	2.246	2.103	2.092	2.092	2.083	2.127	2.262	E5	10.53
25)	Oxychlordane	2.210	2.199	1.979	1.915	1.760	1.784	1.769	1.781	1.763	1.906	E5	9.72
26)	2,4'-DDE	1.688	1.669	1.519	1.518	1.370	1.359	1.353	1.334	1.378	1.465	E5	9.49
27)	trans-Nonachlor	2.503	2.404	2.258	2.217	2.058	2.078	2.052	2.048	2.149	2.197	E5	7.54

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_210303.M
Title : Instrument: DualECD3
Last Update : Thu Mar 04 12:27:53 2021

28)	2,4'-DDD	1.549	1.534	1.430	1.389	1.278	1.269	1.263	1.262	1.284	1.362	E5	8.67
29)	2,4'-DDT	1.043	1.142	1.076	1.079	1.021	1.130	1.210	1.246	1.302	1.139	E5	8.43
30)	cis-Nonachlor	2.587	2.520	2.324	2.306	2.143	2.187	2.181	2.156	2.275	2.298	E5	6.95
31)	Mirex		1.731	1.541	1.433	1.312	1.287	1.268	1.297	1.347	1.402	E5	11.51
32)	Chlordane (1)	2.736	2.421	2.308	2.352	2.414	2.471	2.371			2.439	E4	5.79
33)	Chlordane (2)	2.745	2.384	2.237	2.272	2.382	2.296	2.323			2.377	E4	7.19
34)	Chlordane (3)	6.831	7.072	6.390	6.896	7.331	7.261	6.995			6.968	E3	4.49
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	1.029	0.966	1.004	1.013	1.035	0.979	0.937			0.995	E3	3.59
37)	Toxaphene (2)		2.084	2.046	1.985	2.038	1.976	1.876			2.001	E3	3.67
38)	Toxaphene (3)	4.160	3.795	3.872	3.759	4.028	4.064	3.896			3.939	E3	3.76
39)	Toxaphene (4)	5.002	3.912	3.985	3.893	4.189	4.191	4.102			4.182	E3	9.13
40)	Toxaphene (5)	2.688	2.833	2.950	2.941	3.215	3.219	3.247			3.013	E3	7.23
41)	Toxaphene (6)	3.436	3.450	3.447	3.440	3.650	3.660	3.604			3.527	E3	2.99
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD3-03032137.D	2	=ECD3-03032138.D	3	=ECD3-03032139.D
4	=ECD3-03032140.D	5	=ECD3-03032141.D	6	=ECD3-03032142.D

	Compound	1	2	3	4	5	6	Avg	%RSD
44) S	TCMX (S) #2	1.586	1.498	1.434	1.293	1.265	1.226	1.211	1.174	1.152	1.315 E5	11.71
45)	a-BHC #2	2.010	1.883	1.833	1.749	1.759	1.689	1.646	1.630	1.555	1.750 E5	8.05
46)	g-BHC #2	1.797	1.629	1.627	1.501	1.487	1.417	1.448	1.384	1.335	1.514 E5	9.62
47)	b-BHC #2	1.083	0.886	0.798	0.705	0.677	0.641	0.643	0.621	0.621	0.742 E5	21.08
48)	Heptachlor #2	1.545	1.432	1.373	1.281	1.240	1.182	1.232	1.211	1.194	1.299 E5	9.61
49)	d-BHC #2	1.904	1.660	1.566	1.449	1.431	1.382	1.431	1.397	1.338	1.506 E5	11.87
50)	Aldrin #2	1.590	1.493	1.475	1.418	1.404	1.326	1.337	1.309	1.264	1.402 E5	7.45
51)	Heptachlor Exp...	1.644	1.468	1.318	1.241	1.227	1.166	1.172	1.136	1.116	1.276 E5	13.74
52)	trans-Chlordan...	1.739	1.473	1.356	1.246	1.246	1.213	1.219	1.188	1.163	1.316 E5	14.09
53)	cis-Chlordane #2	1.686	1.414	1.317	1.206	1.199	1.143	1.161	1.137	1.090	1.261 E5	14.89
54)	Endosulfan I #2	1.527	1.309	1.218	1.135	1.108	1.085	1.099	1.077	1.042	1.178 E5	13.10
55)	4,4'-DDE #2	1.694	1.460	1.371	1.292	1.282	1.262	1.282	1.223	1.190	1.339 E5	11.55
56)	Dieldrin #2	1.623	1.424	1.363	1.264	1.262	1.220	1.245	1.207	1.184	1.310 E5	10.69
57)	Endrin #2	1.169	1.027	1.009	0.914	0.892	0.851	0.897	0.899	0.914	0.953 E5	10.39

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_210303.M
Title : Instrument: DualECD3
Last Update : Thu Mar 04 12:27:53 2021

58)		4,4'-DDD #2	1.421	1.218	1.124	1.028	1.041	1.000	1.031	1.023	1.008	1.099	E5	12.66
59)		Endosulfan II #2	1.418	1.189	1.088	0.990	0.985	0.943	0.982	0.955	0.962	1.057	E5	14.81
60)		4,4'-DDT #2	8.689	7.467	7.207	6.957	6.965	7.077	7.792	8.160	8.313	7.625	E4	8.43
61)		Endrin Aldehyd...	•	1.447	1.317	0.912	0.837	0.757	0.799	0.783	0.781	0.954	E5	28.37
62)		Endosulfan Sul...	1.346	1.068	0.988	0.853	0.877	0.835	0.876	0.891	0.879	0.957	E5	17.08
63)		Methoxychlor #2	5.010	4.487	4.099	3.755	3.761	3.580	4.019	4.156	4.416	4.143	E4	10.72
64)		Endrin Ketone #2	•	1.499	1.076	0.961	0.964	0.944	0.964	0.976	0.998	1.048	E5	17.84
65)	S	DCBP (S) #2	9.677	9.424	8.092	7.234	7.038	6.646	6.779	6.760	6.619	7.586	E4	15.86
66)		Hexachlorobuta...	1.980	1.975	1.830	1.707	1.587	1.647	1.543	1.520	1.430	1.691	E5	11.76
67)		Hexachlorobenz...	1.745	1.673	1.499	1.454	1.347	1.314	1.298	1.264	1.219	1.424	E5	12.98
68)		Oxychlordane #2	1.350	1.335	1.215	1.141	1.067	1.097	1.090	1.057	1.069	1.158	E5	9.96
69)		2,4'-DDE #2	1.040	1.042	0.952	0.941	0.860	0.854	0.881	0.853	0.839	0.918	E5	8.71
70)		trans-Nonachlo...	1.508	1.453	1.342	1.284	1.206	1.213	1.228	1.193	1.193	1.291	E5	9.18
71)		2,4'-DDD #2	1.093	0.951	0.870	0.834	0.771	0.770	0.759	0.747	0.775	0.841	E5	13.70
72)		2,4'-DDT #2	6.477	6.336	5.858	5.795	5.583	6.279	6.718	6.918	7.156	6.347	E4	8.39
73)		cis-Nonachlor #2	1.663	1.479	1.346	1.353	1.277	1.311	1.261	1.243	1.247	1.353	E5	10.18
74)		Mirex #2	•	9.479	8.574	8.199	7.223	7.378	7.260	7.282	7.436	7.854	E4	10.50
75)		Chlordane (1) #2	1.758	1.571	1.500	1.534	1.590	1.538	1.468			1.566	E4	6.03
76)		Chlordane (2) #2	1.562	1.304	1.247	1.284	1.320	1.270	1.204			1.313	E4	8.85
77)		Chlordane (3) #2	4.483	4.011	3.670	3.946	4.223	4.066	3.929			4.047	E3	6.29
78)		Chlordane - AV...										0.000		-1.00
79)		Toxaphene (1) #2	1.293	1.352	1.330	1.294	1.315	1.274	1.246			1.301	E3	2.72
80)		Toxaphene (2) #2	1.542	1.420	1.450	1.411	1.513	1.487	1.458			1.469	E3	3.28
81)		Toxaphene (3) #2	2.822	2.113	2.086	1.995	2.204	2.197	2.135			2.222	E3	12.32
82)		Toxaphene (4) #2	3.974	3.471	3.465	3.414	3.641	3.641	3.543			3.593	E3	5.27
83)		Toxaphene (5) #2	•	2.089	2.071	2.057	2.184	2.216	2.112			2.122	E3	3.03
84)		Toxaphene (6) #2	2.297	2.022	2.053	2.003	2.162	2.174	2.186			2.128	E3	4.99
85)		Toxaphene - AV...										0.000		-1.00

(#) = Out of Range

Compound List Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_210303.M
Title : Instrument: DualECD3
Last Update : Thu Mar 04 12:27:53 2021
Response Via : Initial Calibration

MJB 3/4/21

Total Cpnds : 85

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.535	1.000	A	H	R
2		a-BHC	6.087	1.000	A	H	R
3		g-BHC	6.373	1.000	A	H	R
4		b-BHC	6.451	1.000	Q	H	R
5		Heptachlor	6.770	1.000	A	H	R
6		d-BHC	6.603	1.000	A	H	R
7		Aldrin	7.012	1.000	A	H	R
8		Heptachlor Expoxide	7.483	1.000	Q	H	R
9		trans-Chlordane	7.574	1.000	Q	H	R
10		cis-Chlordane	7.673	1.000	Q	H	R
11		Endosulfan I	7.775	1.000	Q	H	R
12		4,4'-DDE	7.723	1.000	Q	H	R
13		Dieldrin	7.949	1.000	Q	H	R
14		Endrin	8.119	1.000	Q	H	R
15		4,4'-DDD	8.153	1.000	Q	H	R
16		Endosulfan II	8.280	1.000	Q	H	R
17		4,4'-DDT	8.351	1.000	A	H	R
18		Endrin Aldehyde	8.576	1.000	Q	H	R
19		Endosulfan Sulfate	8.882	1.000	Q	H	R
20		Methoxychlor	8.681	1.000	Q	H	R
21		Endrin Ketone	9.082	1.000	Q	H	R
22	S	DCBP (S)	9.750	1.000	Q	H	R
23		Hexachlorobutadiene	3.330	1.000	A	H	R
24		Hexachlorobenzene	5.919	1.000	Q	H	R
25		Oxychlordane	7.404	1.000	A	H	R
26		2,4'-DDE	7.471	1.000	A	H	R
27		trans-Nonachlor	7.657	1.000	A	H	R
28		2,4'-DDD	7.850	1.000	A	H	R
29		2,4'-DDT	8.031	1.000	A	H	R
30		cis-Nonachlor	8.136	1.000	A	H	R
31		Mirex	8.807	1.000	Q	H	R
32		Chlordane (1)	7.575	1.000	A	H	R
33		Chlordane (2)	7.671	1.000	A	H	R
34		Chlordane (3)	8.229	1.000	A	H	R
35		Chlordane - AVE	3.712	1.000	A	H	R
36		Toxaphene (1)	7.656	1.000	A	H	R
37		Toxaphene (2)	7.951	1.000	A	H	R
38		Toxaphene (3)	8.271	1.000	A	H	R
39		Toxaphene (4)	8.509	1.000	A	H	R
40		Toxaphene (5)	8.743	1.000	A	H	R
41		Toxaphene (6)	8.813	1.000	A	H	R
42		Toxaphene - AVE	3.715	1.000	A	H	R
43		Signal #2	0.000	1.000	A	H	R
44	S	TCMX (S) #2	5.914	1.000	Q	H	R
45		a-BHC #2	6.512	1.000	A	H	R
46		g-BHC #2	6.828	1.000	A	H	R
47		b-BHC #2	6.892	1.000	Q	H	R
48		Heptachlor #2	7.200	1.000	A	H	R
49		d-BHC #2	7.141	1.000	Q	H	R
50		Aldrin #2	7.464	1.000	A	H	R
51		Heptachlor Expoxide #2	7.900	1.000	Q	H	R
52		trans-Chlordane #2	8.039	1.000	Q	H	R
53		cis-Chlordane #2	8.147	1.000	Q	H	R
54		Endosulfan I #2	8.196	1.000	Q	H	R
55		4,4'-DDE #2	8.248	1.000	Q	H	R
56		Dieldrin #2	8.395	1.000	Q	H	R

57		Endrin #2	8.620	1.000	.	Q	H	R
58		4,4'-DDD #2	8.663	1.000	.	Q	H	R
59		Endosulfan II #2	8.766	1.000	.	Q	H	R
60		4,4'-DDT #2	8.889	1.000		A	H	R
61		Endrin Aldehyde #2	9.002	1.000	.	Q	H	R
62		Endosulfan Sulfate #2	9.196	1.000	.	Q	H	R
63		Methoxychlor #2	9.355	1.000	.	Q	H	R
64		Endrin Ketone #2	9.588	1.000	.	Q	H	R
65	S	DCBP (S) #2	10.432	1.000	.	Q	H	R
66		Hexachlorobutadiene #2	3.627	1.000	.	Q	H	R
67		Hexachlorobenzene #2	6.377	1.000	.	Q	H	R
68		Oxychlordane #2	7.830	1.000		A	H	R
69		2,4'-DDE #2	8.025	1.000		A	H	R
70		trans-Nonachlor #2	8.105	1.000		A	H	R
71		2,4'-DDD #2	8.397	1.000	.	Q	H	R
72		2,4'-DDT #2	8.619	1.000		A	H	R
73		cis-Nonachlor #2	8.665	1.000		A	H	R
74		Mirex #2	9.576	1.000	.	Q	H	R
75		Chlordane (1) #2	8.039	1.000		A	H	R
76		Chlordane (2) #2	8.146	1.000		A	H	R
77		Chlordane (3) #2	8.803	1.000		A	H	R
78		Chlordane - AVE #2	3.683	1.000		A	H	R
79		Toxaphene (1) #2	8.373	1.000		A	H	R
80		Toxaphene (2) #2	8.723	1.000		A	H	R
81		Toxaphene (3) #2	8.755	1.000	.	Q	H	R
82		Toxaphene (4) #2	8.824	1.000		A	H	R
83		Toxaphene (5) #2	9.002	1.000		A	H	R
84		Toxaphene (6) #2	9.375	1.000		A	H	R
85		Toxaphene - AVE #2	3.683	1.000		A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD3_QUANTPEST_210303.M Thu Mar 04 15:22:35 2021

Calibration Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_210303.M
Title : Instrument: DualECD3
Last Update : Thu Mar 04 12:27:53 2021
Response Via : Initial Calibration

MJB 3/4/21

Calibration Files
1 =ECD3-03032137 2 =ECD3-03032138 3 =ECD3-03032139 4 =ECD3-03032140 5 =ECD3-
6 =ECD3-03032142 7 =ECD3-03032143 8 =ECD3-03032124 9 =ECD3-03032125

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Avg	-----	2.0682 e5	-----	0.0956
2)		a-BHC	Avg	-----	2.7656 e5	-----	0.0419
3)		g-BHC	Avg	-----	2.4315 e5	-----	0.0645
4)		b-BHC	Quad	3.4790 e4	1.0172 e5	-6.9402	0.9995
5)		Heptachlor	Avg	-----	2.2002 e5	-----	0.0926
6)		d-BHC	Avg	-----	2.4056 e5	-----	0.0935
7)		Aldrin	Avg	-----	2.2760 e5	-----	0.0601
8)		Heptachlor Expoxide	Quad	4.1397 e4	1.9605 e5	-7.4016 e1	0.9993
9)		trans-Chlordane	Quad	3.2610 e4	2.0375 e5	-4.7678	0.9996
10)		cis-Chlordane	Quad	5.1497 e4	1.9344 e5	1.6720 e1	0.9999
11)		Endosulfan I	Quad	3.7231 e4	1.8144 e5	-4.2838 e1	0.9994
12)		4,4'-DDE	Quad	3.5144 e4	2.0617 e5	2.0684 e1	0.9999
13)		Dieldrin	Quad	3.7154 e4	1.9882 e5	2.3221 e1	0.9997
14)		Endrin	Quad	2.7681 e4	1.5535 e5	1.3869 e1	0.9990
15)		4,4'-DDD	Quad	3.6166 e4	1.7297 e5	3.8348 e1	0.9998
16)		Endosulfan II	Quad	4.0785 e4	1.5469 e5	1.5314 e1	0.9995
17)		4,4'-DDT	Avg	-----	1.4490 e5	-----	0.0781
18)		Endrin Aldehyde	Quad	1.2893 e5	1.3542 e5	1.1597 e1	0.9894
19)		Endosulfan Sulfate	Quad	4.4216 e4	1.4970 e5	1.9519 e1	0.9994
20)		Methoxychlor	Quad	1.5103 e4	6.9245 e4	4.2977 e1	0.9992
21)		Endrin Ketone	Quad	4.4624 e4	1.6489 e5	5.0562 e1	0.9999
22)	S	DCBP (S)	Quad	2.2345 e4	1.3030 e5	-1.7195 e1	0.9973
23)		Hexachlorobutadiene	Avg	-----	2.3709 e5	-----	0.0777
24)		Hexachlorobenzene	Quad	3.3630 e4	2.1231 e5	-1.3125 e1	0.9990
25)		Oxychlordane	Avg	-----	1.9064 e5	-----	0.0972
26)		2,4'-DDE	Avg	-----	1.4653 e5	-----	0.0949
27)		trans-Nonachlor	Avg	-----	2.1966 e5	-----	0.0754
28)		2,4'-DDD	Avg	-----	1.3620 e5	-----	0.0867
29)		2,4'-DDT	Avg	-----	1.1389 e5	-----	0.0843
30)		cis-Nonachlor	Avg	-----	2.2976 e5	-----	0.0695
31)		Mirex	Quad	4.7410 e4	1.2785 e5	2.5455 e1	0.9993
32)		Chlordane (1)	Avg	-----	2.4391 e4	-----	0.0579
33)		Chlordane (2)	Avg	-----	2.3770 e4	-----	0.0719
34)		Chlordane (3)	Avg	-----	6.9681 e3	-----	0.0449
35)		Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----	9.9471 e2	-----	0.0359
37)		Toxaphene (2)	Avg	-----	2.0007 e3	-----	0.0367
38)		Toxaphene (3)	Avg	-----	3.9394 e3	-----	0.0376
39)		Toxaphene (4)	Avg	-----	4.1820 e3	-----	0.0913
40)		Toxaphene (5)	Avg	-----	3.0132 e3	-----	0.0723
41)		Toxaphene (6)	Avg	-----	3.5266 e3	-----	0.0299
42)		Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	S	TCMX (S)	Quad	1.7964 e4	1.2691 e5	-7.0995 e1	0.9985
2)		a-BHC	Avg	-----	1.7505 e5	-----	0.0805
3)		g-BHC	Avg	-----	1.5140 e5	-----	0.0962
4)		b-BHC	Quad	2.1857 e4	6.5865 e4	-2.5181 e1	0.9992
5)		Heptachlor	Avg	-----	1.2989 e5	-----	0.0961
6)		d-BHC	Quad	2.4636 e4	1.4155 e5	-3.4666 e1	0.9997
7)		Aldrin	Avg	-----	1.4018 e5	-----	0.0745

8)		Heptachlor Expoxide	Quad	2.3496	e4	1.1952	e5	-4.5913	e1	0.9996
9)		trans-Chlordane	Quad	2.6230	e4	1.2142	e5	-2.5962	e1	0.9999
10)		cis-Chlordane	Quad	2.5954	e4	1.1659	e5	-3.7314	e1	0.9998
11)		Endosulfan I	Quad	2.1605	e4	1.0959	e5	-2.5707	e1	0.9999
12)		4,4'-DDE	Quad	2.1051	e4	1.2646	e5	-3.6034	e1	0.9998
13)		Dieldrin	Quad	1.9191	e4	1.2403	e5	-2.9370	e1	0.9998
14)		Endrin	Quad	1.4795	e4	8.8297	e4	1.3400	e1	0.9991
15)		4,4'-DDD	Quad	2.0645	e4	1.0097	e5	1.9929		0.9998
16)		Endosulfan II	Quad	2.3251	e4	9.5568	e4	2.5610		0.9998
17)		4,4'-DDT	Avg	-----		7.6253	e4	-----		0.0843
18)		Endrin Aldehyde	Quad	7.3498	e4	7.8590	e4	-8.2875		0.9888
19)		Endosulfan Sulfate	Quad	2.5128	e4	8.3672	e4	2.7676	e1	0.9991
20)		Methoxychlor	Quad	7.0415	e3	3.6651	e4	3.9862	e1	0.9989
21)		Endrin Ketone	Quad	5.6817	e4	8.8115	e4	6.8094	e1	0.9967
22)	S	DCBP (S)	Quad	1.5609	e4	7.0257	e4	-2.5661	e1	0.9959
23)		Hexachlorobutadiene	Quad	1.9523	e4	1.6635	e5	-1.2977	e2	0.9977
24)		Hexachlorobenzene	Quad	2.1406	e4	1.3699	e5	-8.7789	e1	0.9982
25)		Oxychlordane	Avg	-----		1.1578	e5	-----		0.0996
26)		2,4'-DDE	Avg	-----		9.1804	e4	-----		0.0871
27)		trans-Nonachlor	Avg	-----		1.2911	e5	-----		0.0918
28)		2,4'-DDD	Quad	1.6594	e4	7.7247	e4	-6.5006		0.9993
29)		2,4'-DDT	Avg	-----		6.3468	e4	-----		0.0839
30)		cis-Nonachlor	Avg	-----		1.3533	e5	-----		0.1018
31)		Mirex	Quad	2.2878	e4	7.3054	e4	2.5308		0.9988
32)		Chlordane (1)	Avg	-----		1.5656	e4	-----		0.0603
33)		Chlordane (2)	Avg	-----		1.3127	e4	-----		0.0885
34)		Chlordane (3)	Avg	-----		4.0469	e3	-----		0.0629
35)		Chlordane - AVE	Avg	-----		-----		-----		0.0000
36)		Toxaphene (1)	Avg	-----		1.3006	e3	-----		0.0272
37)		Toxaphene (2)	Avg	-----		1.4689	e3	-----		0.0328
38)		Toxaphene (3)	Quad	7.8789	e3	2.0169	e3	0.0889		0.9983
39)		Toxaphene (4)	Avg	-----		3.5927	e3	-----		0.0527
40)		Toxaphene (5)	Avg	-----		2.1218	e3	-----		0.0303
41)		Toxaphene (6)	Avg	-----		2.1281	e3	-----		0.0499
42)		Toxaphene - AVE	Avg	-----		-----		-----		0.0000

ECD3_QUANTPEST_210303.M Thu Mar 04 15:22:59 2021

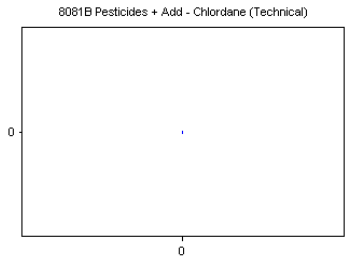
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

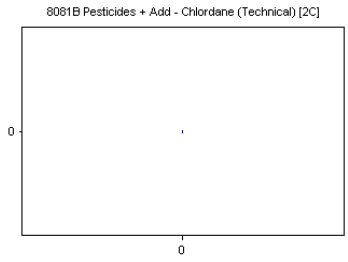


Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	0	0.000	0.00
1C03049-CALK	50	0	0.000	0.00
1C03049-CALL	100	0	0.000	0.00
1C03049-CALM	200	0	0.000	0.00
1C03049-CALN	500	0	0.000	0.00
1C03049-CALO	1000	0	0.000	0.00
1C03049-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

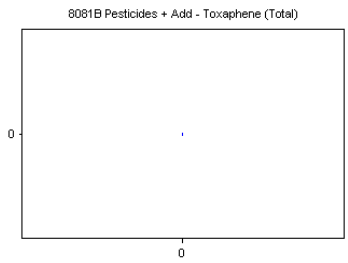


Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	0	0.000	0.00
1C03049-CALK	50	0	0.000	0.00
1C03049-CALL	100	0	0.000	0.00
1C03049-CALM	200	0	0.000	0.00
1C03049-CALN	500	0	0.000	0.00
1C03049-CALO	1000	0	0.000	0.00
1C03049-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

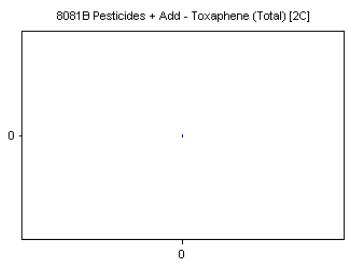


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	0	0.000	0.00
1C03049-CALR	50	0	0.000	0.00
1C03049-CALS	100	0	0.000	0.00
1C03049-CALT	200	0	0.000	0.00
1C03049-CALU	500	0	0.000	0.00
1C03049-CALV	1000	0	0.000	0.00
1C03049-CALW	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	0	0.000	0.00
1C03049-CALR	50	0	0.000	0.00
1C03049-CALS	100	0	0.000	0.00
1C03049-CALT	200	0	0.000	0.00
1C03049-CALU	500	0	0.000	0.00
1C03049-CALV	1000	0	0.000	0.00
1C03049-CALW	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

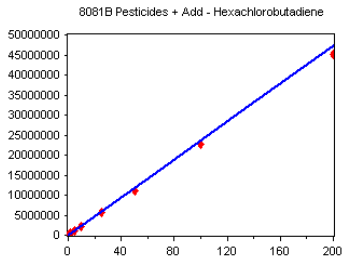
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

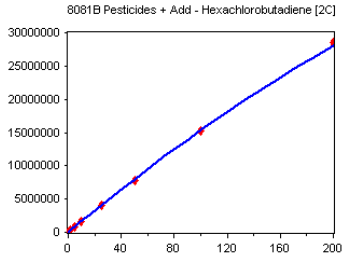


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	131299	262598.000	3.33
1C03049-CALB	1	266916	266916.000	3.33
1C03049-CALC	2	503290	251645.000	3.33
1C03049-CALD	5	1154744	230948.800	3.33
1C03049-CALE	10	2172619	217261.900	3.33
1C03049-CALF	25	5778907	231156.300	3.33
1C03049-CALG	50	1.10581E+07	221162.000	3.33
1C03049-CALH	100	2.268215E+07	226821.500	3.33
1C03049-CALI	200	4.506616E+07	225330.800	3.33

AVE RF **237093.400** RF RSD **7.77** AVE RT **3.33**

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

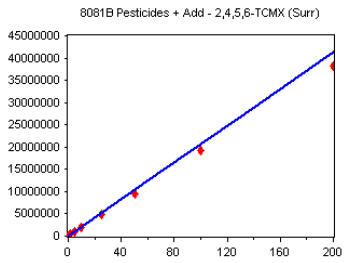


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	99010	198020.000	3.63
1C03049-CALB	1	197542	197542.000	3.63
1C03049-CALC	2	365907	182953.500	3.63
1C03049-CALD	5	853516	170703.200	3.63
1C03049-CALE	10	1586552	158655.200	3.63
1C03049-CALF	25	4116586	164663.400	3.63
1C03049-CALG	50	7713940	154278.800	3.63
1C03049-CALH	100	1.520025E+07	152002.500	3.63
1C03049-CALI	200	2.859205E+07	142960.300	3.63

AVE RF **169086.500** RF RSD **11.76** AVE RT **3.63**

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

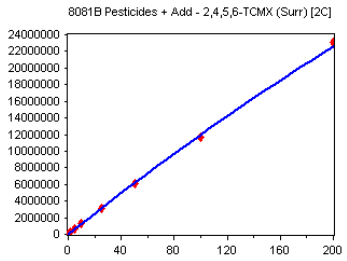


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	122405	244810.000	5.53
1C03049-CAL2	1	228762	228762.000	5.53
1C03049-CAL3	2	440498	220249.000	5.53
1C03049-CAL4	5	1017094	203418.800	5.53
1C03049-CAL5	10	1976336	197633.600	5.53
1C03049-CAL6	25	4786626	191465.000	5.53
1C03049-CAL7	50	9581543	191630.900	5.54
1C03049-CAL8	100	1.922097E+07	192209.700	5.54
1C03049-CAL9	200	3.823606E+07	191180.300	5.54

AVE RF **206817.700** RF RSD **9.56** AVE RT **5.53**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	79322	158644.000	5.92
1C03049-CAL2	1	149822	149822.000	5.92
1C03049-CAL3	2	286863	143431.500	5.91
1C03049-CAL4	5	646369	129273.800	5.92
1C03049-CAL5	10	1264821	126482.100	5.92
1C03049-CAL6	25	3065643	122625.700	5.92
1C03049-CAL7	50	6053804	121076.100	5.92
1C03049-CAL8	100	1.17356E+07	117356.000	5.92
1C03049-CAL9	200	2.303958E+07	115197.900	5.92

AVE RF **131545.500** RF RSD **11.71** AVE RT **5.92**

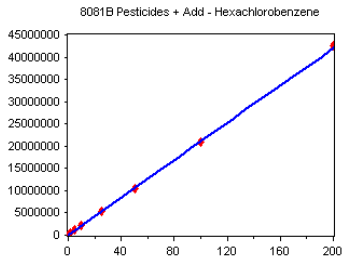
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

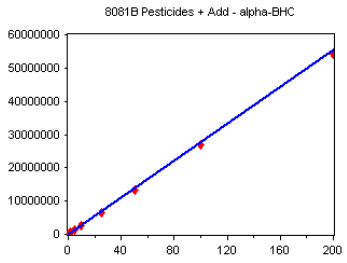


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	136561	273122.000	5.92
1C03049-CALB	1	257523	257523.000	5.92
1C03049-CALC	2	461810	230905.000	5.92
1C03049-CALD	5	1123158	224631.600	5.92
1C03049-CALE	10	2103273	210327.300	5.92
1C03049-CALF	25	5230780	209231.200	5.92
1C03049-CALG	50	1.04575E+07	209150.000	5.92
1C03049-CALH	100	2.082718E+07	208271.800	5.92
1C03049-CALI	200	4.25482E+07	212741.000	5.92

AVE RF **226211.400** RF RSD **10.53** AVE RT **5.92**

alpha-BHC

Curve Fit: **AVERAGE RF**

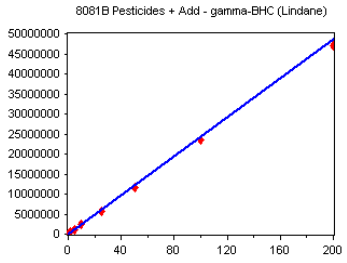


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	150749	301498.000	6.09
1C03049-CAL2	1	286126	286126.000	6.09
1C03049-CAL3	2	560005	280002.500	6.09
1C03049-CAL4	5	1394908	278981.600	6.09
1C03049-CAL5	10	2685873	268587.300	6.09
1C03049-CAL6	25	6624579	264983.200	6.09
1C03049-CAL7	50	1.340914E+07	268182.800	6.09
1C03049-CAL8	100	2.699633E+07	269963.300	6.09
1C03049-CAL9	200	5.414203E+07	270710.200	6.09

AVE RF **276559.400** RF RSD **4.19** AVE RT **6.09**

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

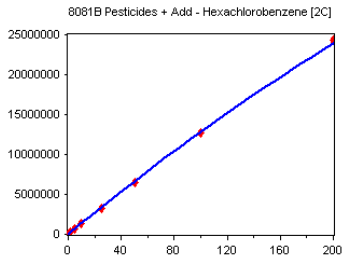


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	138660	277320.000	6.37
1C03049-CAL2	1	255288	255288.000	6.37
1C03049-CAL3	2	500623	250311.500	6.37
1C03049-CAL4	5	1198904	239780.800	6.37
1C03049-CAL5	10	2363785	236378.500	6.37
1C03049-CAL6	25	5629561	225182.400	6.37
1C03049-CAL7	50	1.162194E+07	232438.800	6.37
1C03049-CAL8	100	2.35912E+07	235912.000	6.37
1C03049-CAL9	200	4.715037E+07	235751.800	6.37

AVE RF **243151.500** RF RSD **6.45** AVE RT **6.37**

Hexachlorobenzene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	87243	174486.000	6.38
1C03049-CALB	1	167332	167332.000	6.38
1C03049-CALC	2	299773	149886.500	6.38
1C03049-CALD	5	727228	145445.600	6.38
1C03049-CALE	10	1346743	134674.300	6.38
1C03049-CALF	25	3285248	131409.900	6.38
1C03049-CALG	50	6488240	129764.800	6.38
1C03049-CALH	100	1.263648E+07	126364.800	6.38
1C03049-CALI	200	2.438327E+07	121916.400	6.38

AVE RF **142364.500** RF RSD **12.98** AVE RT **6.38**

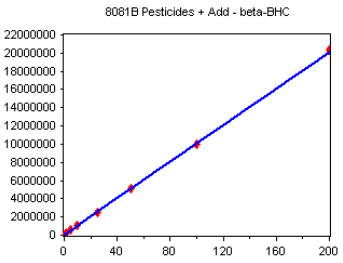
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

beta-BHC

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

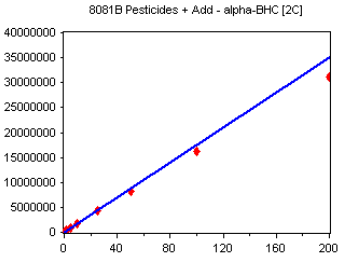


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	84948	169896.000	6.45
1C03049-CAL2	1	137531	137531.000	6.45
1C03049-CAL3	2	245264	122632.000	6.45
1C03049-CAL4	5	546030	109206.000	6.45
1C03049-CAL5	10	1056287	105628.700	6.45
1C03049-CAL6	25	2489991	99599.640	6.45
1C03049-CAL7	50	5071220	101424.400	6.45
1C03049-CAL8	100	9989550	99895.500	6.45
1C03049-CAL9	200	2.034953E+07	101747.600	6.45

AVE RF **116395.700** RF RSD **20.40** AVE RT **6.45**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

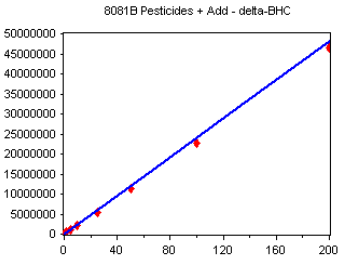


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	100492	200984.000	6.51
1C03049-CAL2	1	188269	188269.000	6.51
1C03049-CAL3	2	366504	183252.000	6.51
1C03049-CAL4	5	874714	174942.800	6.51
1C03049-CAL5	10	1759414	175941.400	6.51
1C03049-CAL6	25	4221845	168873.800	6.51
1C03049-CAL7	50	8231926	164638.500	6.51
1C03049-CAL8	100	1.629894E+07	162989.400	6.51
1C03049-CAL9	200	3.11035E+07	155517.500	6.51

AVE RF **175045.400** RF RSD **8.05** AVE RT **6.51**

delta-BHC

Curve Fit: **AVERAGE RF**

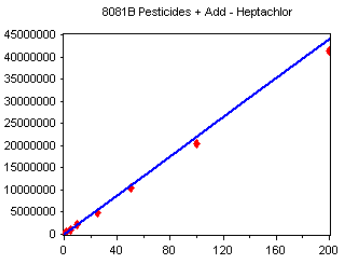


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	146016	292032.000	6.61
1C03049-CAL2	1	256379	256379.000	6.60
1C03049-CAL3	2	499343	249671.500	6.60
1C03049-CAL4	5	1154442	230888.400	6.60
1C03049-CAL5	10	2266595	226659.500	6.60
1C03049-CAL6	25	5505321	220212.800	6.60
1C03049-CAL7	50	1.143233E+07	228646.600	6.60
1C03049-CAL8	100	2.283351E+07	228335.100	6.60
1C03049-CAL9	200	4.643651E+07	232182.600	6.60

AVE RF **240556.400** RF RSD **9.35** AVE RT **6.60**

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	131070	262140.000	6.77
1C03049-CAL2	1	236835	236835.000	6.77
1C03049-CAL3	2	466868	233434.000	6.77
1C03049-CAL4	5	1094470	218894.000	6.77
1C03049-CAL5	10	2108105	210810.500	6.77
1C03049-CAL6	25	4986220	199448.800	6.77
1C03049-CAL7	50	1.03567E+07	207134.000	6.77
1C03049-CAL8	100	2.049074E+07	204907.400	6.77
1C03049-CAL9	200	4.132358E+07	206617.900	6.77

AVE RF **220024.600** RF RSD **9.26** AVE RT **6.77**

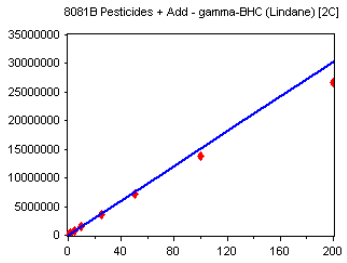
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

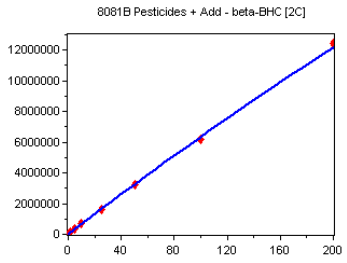


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	89839	179678.000	6.83
1C03049-CAL2	1	162937	162937.000	6.83
1C03049-CAL3	2	325458	162729.000	6.83
1C03049-CAL4	5	750524	150104.800	6.83
1C03049-CAL5	10	1487372	148737.200	6.83
1C03049-CAL6	25	3542980	141719.200	6.83
1C03049-CAL7	50	7240293	144805.900	6.83
1C03049-CAL8	100	1.383915E+07	138391.500	6.83
1C03049-CAL9	200	2.670494E+07	133524.700	6.83

AVE RF **151403.000** RF RSD **9.62** AVE RT **6.83**

beta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

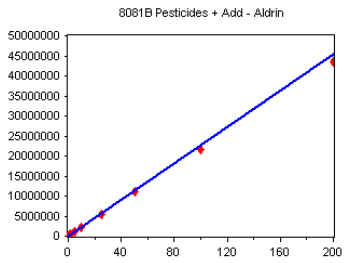


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	54171	108342.000	6.89
1C03049-CAL2	1	88645	88645.000	6.89
1C03049-CAL3	2	159640	79820.000	6.89
1C03049-CAL4	5	352524	70504.800	6.89
1C03049-CAL5	10	676550	67655.000	6.89
1C03049-CAL6	25	1603476	64139.040	6.89
1C03049-CAL7	50	3215871	64317.420	6.89
1C03049-CAL8	100	6207178	62071.780	6.89
1C03049-CAL9	200	1.241557E+07	62077.850	6.89

AVE RF **74174.770** RF RSD **21.08** AVE RT **6.89**

Aldrin

Curve Fit: **AVERAGE RF**

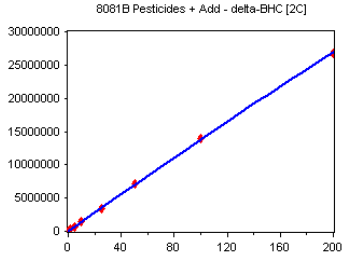


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	127269	254538.000	7.01
1C03049-CAL2	1	241011	241011.000	7.01
1C03049-CAL3	2	476567	238283.500	7.01
1C03049-CAL4	5	1114071	222814.200	7.01
1C03049-CAL5	10	2219103	221910.300	7.01
1C03049-CAL6	25	5408989	216359.600	7.01
1C03049-CAL7	50	1.10001E+07	220002.000	7.01
1C03049-CAL8	100	2.164458E+07	216445.800	7.01
1C03049-CAL9	200	4.340342E+07	217017.100	7.01

AVE RF **227597.900** RF RSD **6.01** AVE RT **7.01**

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	95191	190382.000	7.14
1C03049-CAL2	1	166006	166006.000	7.14
1C03049-CAL3	2	313225	156612.500	7.14
1C03049-CAL4	5	724399	144879.800	7.14
1C03049-CAL5	10	1431060	143106.000	7.14
1C03049-CAL6	25	3454011	138160.400	7.14
1C03049-CAL7	50	7155385	143107.700	7.14
1C03049-CAL8	100	1.396785E+07	139678.500	7.14
1C03049-CAL9	200	2.676852E+07	133842.600	7.14

AVE RF **150641.700** RF RSD **11.87** AVE RT **7.14**

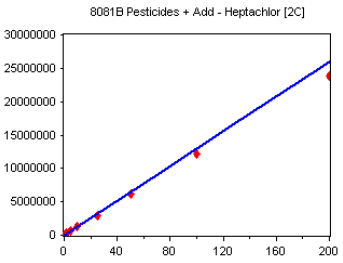
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

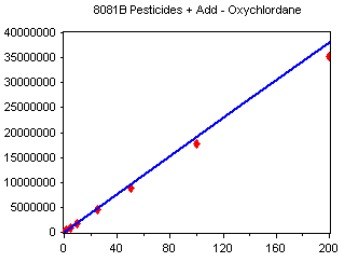


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	77250	154500.000	7.20
1C03049-CAL2	1	143228	143228.000	7.20
1C03049-CAL3	2	274667	137333.500	7.20
1C03049-CAL4	5	640436	128087.200	7.20
1C03049-CAL5	10	1240121	124012.100	7.20
1C03049-CAL6	25	2954729	118189.200	7.20
1C03049-CAL7	50	6158283	123165.700	7.20
1C03049-CAL8	100	1.210977E+07	121097.700	7.20
1C03049-CAL9	200	2.38755E+07	119377.500	7.20

AVE RF **129887.900** RF RSD **9.61** AVE RT **7.20**

Oxychlordane

Curve Fit: **AVERAGE RF**

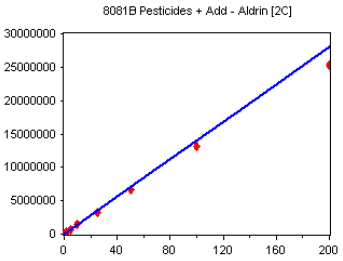


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	110485	220970.000	7.41
1C03049-CALB	1	219915	219915.000	7.41
1C03049-CALC	2	395761	197880.500	7.41
1C03049-CALD	5	957258	191451.600	7.40
1C03049-CALE	10	1759606	175960.600	7.41
1C03049-CALF	25	4459272	178370.900	7.40
1C03049-CALG	50	8843326	176866.500	7.40
1C03049-CALH	100	1.781244E+07	178124.400	7.41
1C03049-CALI	200	3.525246E+07	176262.300	7.40

AVE RF **190644.600** RF RSD **9.72** AVE RT **7.40**

Aldrin [2C]

Curve Fit: **AVERAGE RF**

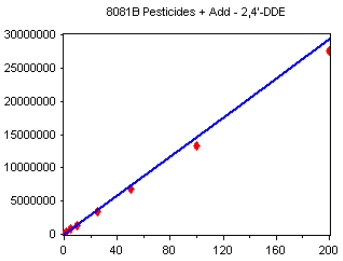


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	79524	159048.000	7.47
1C03049-CAL2	1	149268	149268.000	7.47
1C03049-CAL3	2	295029	147514.500	7.46
1C03049-CAL4	5	709135	141827.000	7.47
1C03049-CAL5	10	1404354	140435.400	7.46
1C03049-CAL6	25	3313892	132555.700	7.47
1C03049-CAL7	50	6683567	133671.300	7.46
1C03049-CAL8	100	1.308763E+07	130876.300	7.47
1C03049-CAL9	200	2.528194E+07	126409.700	7.47

AVE RF **140178.400** RF RSD **7.45** AVE RT **7.46**

2,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	84406	168812.000	7.47
1C03049-CALB	1	166850	166850.000	7.47
1C03049-CALC	2	303837	151918.500	7.47
1C03049-CALD	5	759115	151823.000	7.47
1C03049-CALE	10	1369849	136984.900	7.47
1C03049-CALF	25	3398233	135929.300	7.47
1C03049-CALG	50	6764691	135293.800	7.47
1C03049-CALH	100	1.333589E+07	133358.900	7.47
1C03049-CALI	200	2.755813E+07	137790.700	7.47

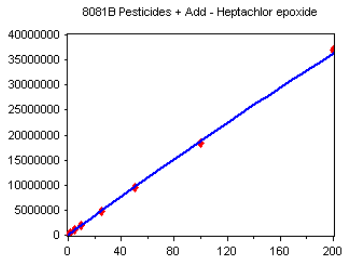
AVE RF **146529.000** RF RSD **9.49** AVE RT **7.47**

Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Heptachlor epoxide

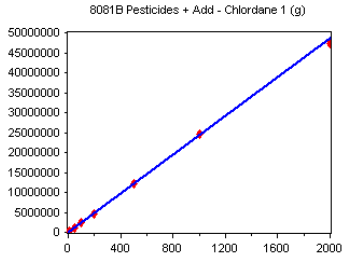


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	137846	275692.000	7.48
1C03049-CAL2	1	240418	240418.000	7.48
1C03049-CAL3	2	444512	222256.000	7.48
1C03049-CAL4	5	1028826	205765.200	7.48
1C03049-CAL5	10	2031891	203189.100	7.48
1C03049-CAL6	25	4722071	188882.800	7.48
1C03049-CAL7	50	9484434	189688.700	7.48
1C03049-CAL8	100	1.848448E+07	184844.800	7.48
1C03049-CAL9	200	3.700254E+07	185012.700	7.48

AVE RF **210638.800** RF RSD **14.60** AVE RT **7.48**

Chlordane 1 (g)

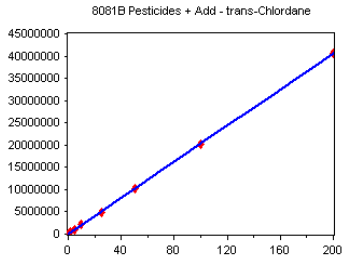


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	273638	27363.800	7.58
1C03049-CALK	50	1210468	24209.360	7.58
1C03049-CALL	100	2307545	23075.450	7.57
1C03049-CALM	200	4704468	23522.340	7.57
1C03049-CALN	500	1.207087E+07	24141.740	7.58
1C03049-CALO	1000	2.470886E+07	24708.860	7.58
1C03049-CALP	2000	4.74283E+07	23714.150	7.58

AVE RF **24390.810** RF RSD **5.79** AVE RT **7.58**

trans-Chlordane

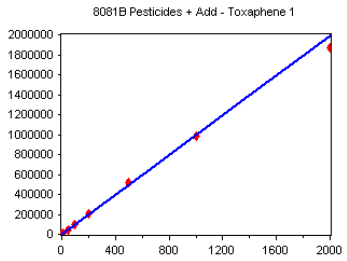


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	133413	266826.000	7.58
1C03049-CAL2	1	238383	238383.000	7.58
1C03049-CAL3	2	451777	225888.500	7.58
1C03049-CAL4	5	1034352	206870.400	7.58
1C03049-CAL5	10	2090794	209079.400	7.58
1C03049-CAL6	25	4985540	199421.600	7.58
1C03049-CAL7	50	1.026438E+07	205287.600	7.58
1C03049-CAL8	100	2.028012E+07	202801.200	7.58
1C03049-CAL9	200	4.073666E+07	203683.300	7.58

AVE RF **217582.300** RF RSD **10.28** AVE RT **7.58**

Toxaphene 1



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	10295	1029.500	7.66
1C03049-CALR	50	48277	965.540	7.66
1C03049-CALS	100	100418	1004.180	7.66
1C03049-CALT	200	202555	1012.775	7.66
1C03049-CALU	500	517412	1034.824	7.66
1C03049-CALV	1000	979188	979.188	7.66
1C03049-CALW	2000	1874003	937.001	7.66

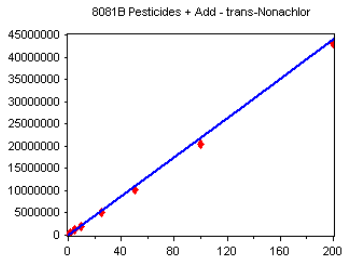
AVE RF **994.716** RF RSD **3.59** AVE RT **7.66**

Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

trans-Nonachlor

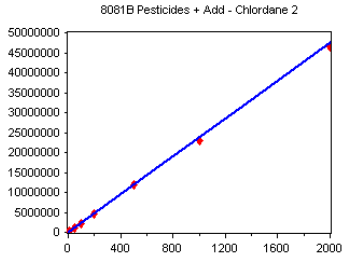


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	125158	250316.000	7.66
1C03049-CALB	1	240378	240378.000	7.66
1C03049-CALC	2	451699	225849.500	7.66
1C03049-CALD	5	1108639	221727.800	7.66
1C03049-CALE	10	2058161	205816.100	7.66
1C03049-CALF	25	5196180	207847.200	7.66
1C03049-CALG	50	1.0262E+07	205240.000	7.66
1C03049-CALH	100	2.048313E+07	204831.300	7.66
1C03049-CALI	200	4.297857E+07	214892.800	7.66

AVE RF **219655.400** RF RSD **7.54** AVE RT **7.66**

Chlordane 2

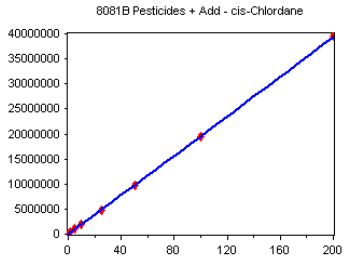


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	274480	27448.000	7.67
1C03049-CALK	50	1191968	23839.360	7.67
1C03049-CALL	100	2237113	22371.130	7.67
1C03049-CALM	200	4543767	22718.840	7.67
1C03049-CALN	500	1.191006E+07	23820.120	7.67
1C03049-CALO	1000	2.296188E+07	22961.880	7.67
1C03049-CALP	2000	4.64667E+07	23233.350	7.67

AVE RF **23770.380** RF RSD **7.19** AVE RT **7.67**

cis-Chlordane

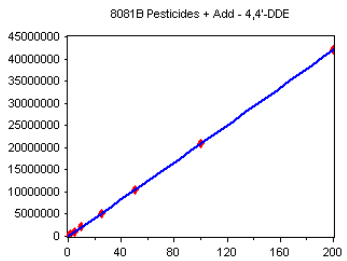


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	147803	295606.000	7.67
1C03049-CAL2	1	245270	245270.000	7.67
1C03049-CAL3	2	443191	221595.500	7.67
1C03049-CAL4	5	1025938	205187.600	7.67
1C03049-CAL5	10	1992205	199220.500	7.67
1C03049-CAL6	25	4793797	191751.900	7.67
1C03049-CAL7	50	9787486	195749.700	7.67
1C03049-CAL8	100	1.950089E+07	195008.900	7.67
1C03049-CAL9	200	3.953485E+07	197674.200	7.67

AVE RF **216340.500** RF RSD **15.84** AVE RT **7.67**

4,4'-DDE



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	138039	276078.000	7.73
1C03049-CAL2	1	241007	241007.000	7.73
1C03049-CAL3	2	453517	226758.500	7.72
1C03049-CAL4	5	1057670	211534.000	7.72
1C03049-CAL5	10	2105403	210540.300	7.72
1C03049-CAL6	25	5127047	205081.900	7.73
1C03049-CAL7	50	1.047515E+07	209503.000	7.72
1C03049-CAL8	100	2.092373E+07	209237.300	7.73
1C03049-CAL9	200	4.202452E+07	210122.600	7.72

AVE RF **222207.000** RF RSD **10.43** AVE RT **7.72**

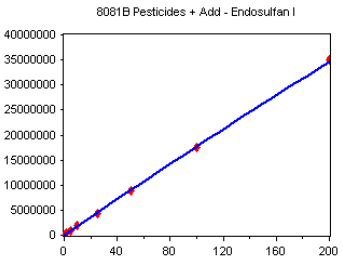
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Endosulfan I

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

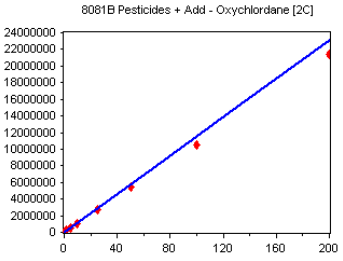


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	127176	254352.000	7.78
1C03049-CAL2	1	218264	218264.000	7.78
1C03049-CAL3	2	413783	206891.500	7.78
1C03049-CAL4	5	941971	188394.200	7.78
1C03049-CAL5	10	1875275	187527.500	7.78
1C03049-CAL6	25	4396364	175854.600	7.78
1C03049-CAL7	50	8967245	179344.900	7.78
1C03049-CAL8	100	1.743549E+07	174354.900	7.78
1C03049-CAL9	200	3.5074E+07	175370.000	7.78

AVE RF **195594.800** RF RSD **13.68** AVE RT **7.78**

Oxychlordane [2C]

Curve Fit: **AVERAGE RF**

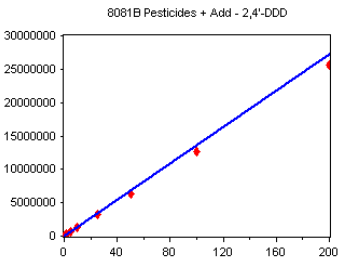


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	67478	134956.000	7.83
1C03049-CALB	1	133526	133526.000	7.83
1C03049-CALC	2	242935	121467.500	7.83
1C03049-CALD	5	570429	114085.800	7.83
1C03049-CALE	10	1066713	106671.300	7.83
1C03049-CALF	25	2741710	109668.400	7.83
1C03049-CALG	50	5450534	109010.700	7.83
1C03049-CALH	100	1.056706E+07	105670.600	7.83
1C03049-CALI	200	2.138866E+07	106943.300	7.83

AVE RF **115777.700** RF RSD **9.96** AVE RT **7.83**

2,4'-DDD

Curve Fit: **AVERAGE RF**

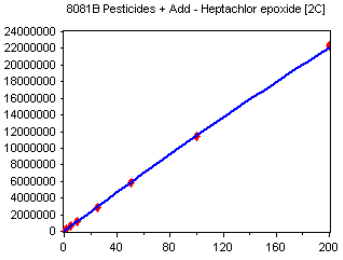


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	77449	154898.000	7.85
1C03049-CALB	1	153422	153422.000	7.85
1C03049-CALC	2	285970	142985.000	7.85
1C03049-CALD	5	694392	138878.400	7.85
1C03049-CALE	10	1278139	127813.900	7.85
1C03049-CALF	25	3172329	126893.200	7.85
1C03049-CALG	50	6313806	126276.100	7.85
1C03049-CALH	100	1.261969E+07	126196.900	7.85
1C03049-CALI	200	2.568855E+07	128442.800	7.85

AVE RF **136200.700** RF RSD **8.67** AVE RT **7.85**

Heptachlor epoxide [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	82214	164428.000	7.90
1C03049-CAL2	1	146803	146803.000	7.90
1C03049-CAL3	2	263502	131751.000	7.90
1C03049-CAL4	5	620313	124062.600	7.90
1C03049-CAL5	10	1226883	122688.300	7.90
1C03049-CAL6	25	2913769	116550.800	7.90
1C03049-CAL7	50	5857927	117158.500	7.90
1C03049-CAL8	100	1.136154E+07	113615.400	7.90
1C03049-CAL9	200	2.232571E+07	111628.500	7.90

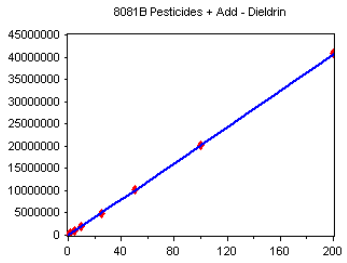
AVE RF **127631.800** RF RSD **13.74** AVE RT **7.90**

Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Dieldrin

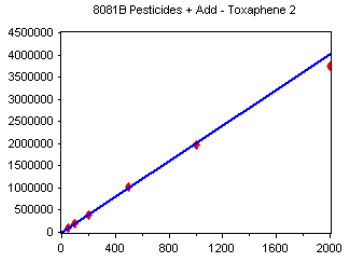


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	137692	275384.000	7.95
1C03049-CAL2	1	229841	229841.000	7.95
1C03049-CAL3	2	440393	220196.500	7.95
1C03049-CAL4	5	1036003	207200.600	7.95
1C03049-CAL5	10	2053529	205352.900	7.95
1C03049-CAL6	25	4928762	197150.500	7.95
1C03049-CAL7	50	1.01352E+07	202704.000	7.95
1C03049-CAL8	100	2.009285E+07	200928.500	7.95
1C03049-CAL9	200	4.075399E+07	203770.000	7.95

AVE RF **215836.400** RF RSD **11.39** AVE RT **7.95**

Toxaphene 2

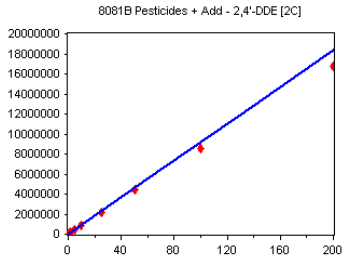


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C03049-CALQ~~	~~10~~	~~44204~~	~~4420.400~~	~~7.95~~
1C03049-CALR	50	104221	2084.420	7.95
1C03049-CALS	100	204555	2045.550	7.95
1C03049-CALT	200	396952	1984.760	7.95
1C03049-CALU	500	1019158	2038.316	7.95
1C03049-CALV	1000	1975754	1975.754	7.95
1C03049-CALW	2000	3751267	1875.634	7.95

AVE RF **2000.739** RF RSD **3.67** AVE RT **7.95**

2,4'-DDE [2C]

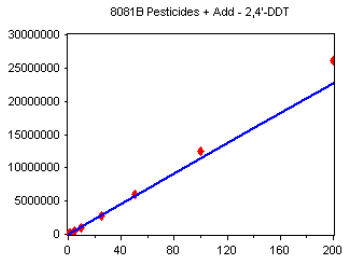


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	52000	104000.000	8.03
1C03049-CALB	1	104204	104204.000	8.03
1C03049-CALC	2	190381	95190.500	8.03
1C03049-CALD	5	470463	94092.600	8.03
1C03049-CALE	10	860266	86026.600	8.03
1C03049-CALF	25	2134433	85377.320	8.03
1C03049-CALG	50	4405528	88110.560	8.03
1C03049-CALH	100	8532152	85321.520	8.03
1C03049-CALI	200	1.67821E+07	83910.500	8.03

AVE RF **91803.730** RF RSD **8.71** AVE RT **8.03**

2,4'-DDT



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	52131	104262.000	8.03
1C03049-CALB	1	114198	114198.000	8.03
1C03049-CALC	2	215273	107636.500	8.03
1C03049-CALD	5	539524	107904.800	8.03
1C03049-CALE	10	1021435	102143.500	8.03
1C03049-CALF	25	2825752	113030.100	8.03
1C03049-CALG	50	6052042	121040.800	8.03
1C03049-CALH	100	1.246288E+07	124628.800	8.03
1C03049-CALI	200	2.603289E+07	130164.500	8.03

AVE RF **113889.900** RF RSD **8.43** AVE RT **8.03**

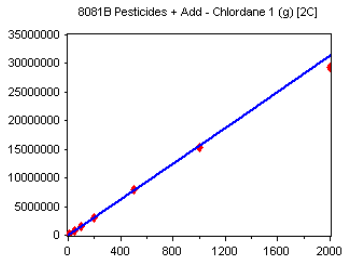
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**

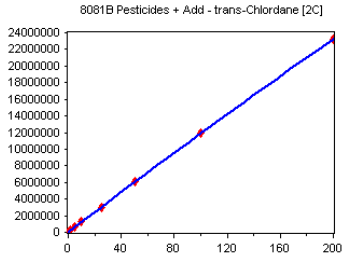


Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	175821	17582.100	8.04
1C03049-CALK	50	785679	15713.580	8.04
1C03049-CALL	100	1499755	14997.550	8.04
1C03049-CALM	200	3068310	15341.550	8.04
1C03049-CALN	500	7951271	15902.540	8.04
1C03049-CALO	1000	1.537649E+07	15376.490	8.04
1C03049-CALP	2000	2.935032E+07	14675.160	8.04

AVE RF **15655.570** RF RSD **6.03** AVE RT **8.04**

trans-Chlordane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

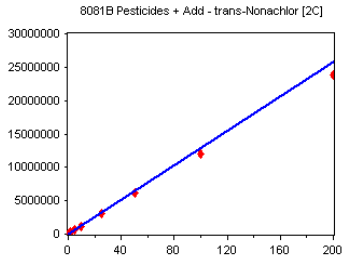


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	86950	173900.000	8.04
1C03049-CAL2	1	147331	147331.000	8.04
1C03049-CAL3	2	271141	135570.500	8.04
1C03049-CAL4	5	623141	124628.200	8.04
1C03049-CAL5	10	1245877	124587.700	8.04
1C03049-CAL6	25	3031837	121273.500	8.04
1C03049-CAL7	50	6094832	121896.600	8.04
1C03049-CAL8	100	1.187753E+07	118775.300	8.04
1C03049-CAL9	200	2.325499E+07	116275.000	8.04

AVE RF **131582.000** RF RSD **14.09** AVE RT **8.04**

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

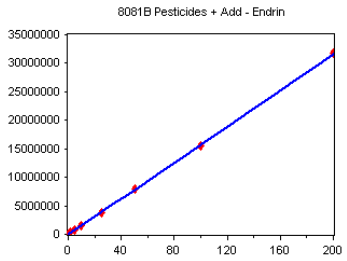


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	75412	150824.000	8.11
1C03049-CALB	1	145269	145269.000	8.11
1C03049-CALC	2	268332	134166.000	8.11
1C03049-CALD	5	642147	128429.400	8.11
1C03049-CALE	10	1206001	120600.100	8.11
1C03049-CALF	25	3031595	121263.800	8.11
1C03049-CALG	50	6142226	122844.500	8.11
1C03049-CALH	100	1.192836E+07	119283.600	8.11
1C03049-CALI	200	2.386761E+07	119338.000	8.11

AVE RF **129113.200** RF RSD **9.18** AVE RT **8.11**

Endrin

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	104871	209742.000	8.12
1C03049-CAL2	1	180881	180881.000	8.12
1C03049-CAL3	2	355354	177677.000	8.12
1C03049-CAL4	5	813503	162700.600	8.12
1C03049-CAL5	10	1562067	156206.700	8.12
1C03049-CAL6	25	3745332	149813.300	8.12
1C03049-CAL7	50	7964411	159288.200	8.12
1C03049-CAL8	100	1.552743E+07	155274.300	8.12
1C03049-CAL9	200	3.186589E+07	159329.500	8.12

AVE RF **167879.200** RF RSD **11.17** AVE RT **8.12**

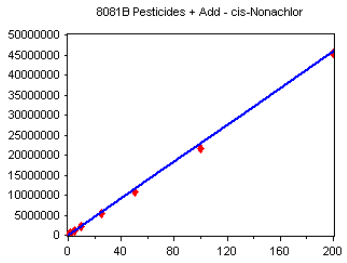
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

cis-Nonachlor

Curve Fit: **AVERAGE RF**

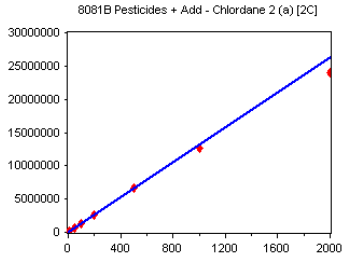


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	129326	258652.000	8.14
1C03049-CALB	1	252010	252010.000	8.14
1C03049-CALC	2	464744	232372.000	8.14
1C03049-CALD	5	1153026	230605.200	8.14
1C03049-CALE	10	2143163	214316.300	8.14
1C03049-CALF	25	5467845	218713.800	8.14
1C03049-CALG	50	1.090375E+07	218075.000	8.14
1C03049-CALH	100	2.155833E+07	215583.300	8.14
1C03049-CALI	200	4.550146E+07	227507.300	8.14

AVE RF **229759.400** RF RSD **6.95** AVE RT **8.14**

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

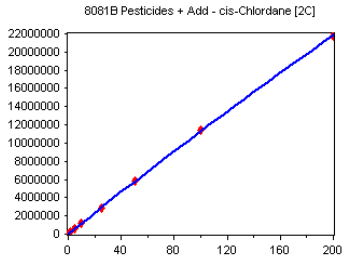


Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	156159	15615.900	8.15
1C03049-CALK	50	651951	13039.020	8.15
1C03049-CALL	100	1247247	12472.470	8.15
1C03049-CALM	200	2567074	12835.370	8.15
1C03049-CALN	500	6598261	13196.520	8.15
1C03049-CALO	1000	1.269754E+07	12697.540	8.15
1C03049-CALP	2000	2.407002E+07	12035.010	8.15

AVE RF **13127.400** RF RSD **8.85** AVE RT **8.15**

cis-Chlordane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

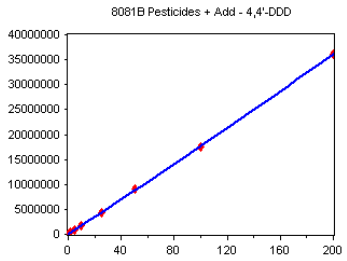


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	84296	168592.000	8.15
1C03049-CAL2	1	141366	141366.000	8.15
1C03049-CAL3	2	263379	131689.500	8.15
1C03049-CAL4	5	602875	120575.000	8.15
1C03049-CAL5	10	1199141	119914.100	8.15
1C03049-CAL6	25	2857724	114309.000	8.15
1C03049-CAL7	50	5804014	116080.300	8.15
1C03049-CAL8	100	1.136807E+07	113680.700	8.15
1C03049-CAL9	200	2.180515E+07	109025.800	8.15

AVE RF **126136.900** RF RSD **14.89** AVE RT **8.15**

4,4'-DDD

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	123021	246042.000	8.16
1C03049-CAL2	1	207531	207531.000	8.16
1C03049-CAL3	2	384263	192131.500	8.16
1C03049-CAL4	5	890849	178169.800	8.16
1C03049-CAL5	10	1783064	178306.400	8.15
1C03049-CAL6	25	4342982	173719.300	8.16
1C03049-CAL7	50	8993648	179873.000	8.15
1C03049-CAL8	100	1.75272E+07	175272.000	8.16
1C03049-CAL9	200	3.617747E+07	180887.400	8.16

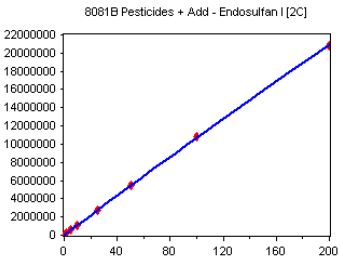
AVE RF **190214.700** RF RSD **12.32** AVE RT **8.15**

Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Endosulfan I [2C]

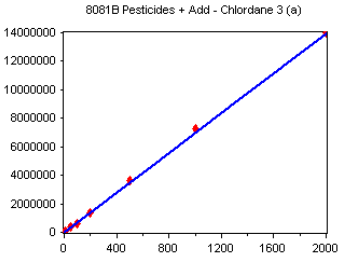


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	76329	152658.000	8.20
1C03049-CAL2	1	130866	130866.000	8.20
1C03049-CAL3	2	243583	121791.500	8.20
1C03049-CAL4	5	567267	113453.400	8.20
1C03049-CAL5	10	1107667	110766.700	8.20
1C03049-CAL6	25	2713631	108545.200	8.20
1C03049-CAL7	50	5494595	109891.900	8.20
1C03049-CAL8	100	1.077307E+07	107730.700	8.20
1C03049-CAL9	200	2.084202E+07	104210.100	8.20

AVE RF **117768.200** RF RSD **13.10** AVE RT **8.20**

Chlordane 3 (a)

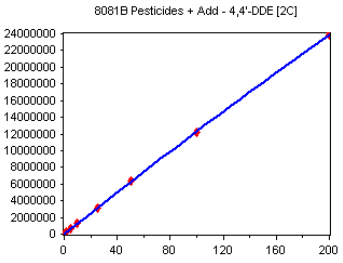


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	68307	6830.700	8.23
1C03049-CALK	50	353590	7071.800	8.23
1C03049-CALL	100	639001	6390.010	8.23
1C03049-CALM	200	1379262	6896.310	8.23
1C03049-CALN	500	3665652	7331.304	8.23
1C03049-CALO	1000	7261164	7261.164	8.23
1C03049-CALP	2000	1.399076E+07	6995.380	8.23

AVE RF **6968.095** RF RSD **4.49** AVE RT **8.23**

4,4'-DDE [2C]

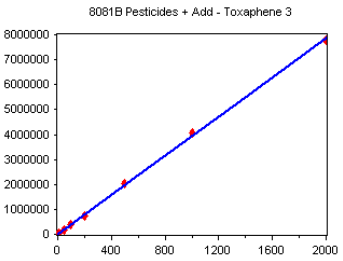


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	84680	169360.000	8.25
1C03049-CAL2	1	145975	145975.000	8.25
1C03049-CAL3	2	274173	137086.500	8.25
1C03049-CAL4	5	645867	129173.400	8.25
1C03049-CAL5	10	1282240	128224.000	8.25
1C03049-CAL6	25	3155365	126214.600	8.25
1C03049-CAL7	50	6409479	128189.600	8.25
1C03049-CAL8	100	1.222783E+07	122278.300	8.25
1C03049-CAL9	200	2.380696E+07	119034.800	8.25

AVE RF **133948.500** RF RSD **11.55** AVE RT **8.25**

Toxaphene 3



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	41602	4160.200	8.28
1C03049-CALR	50	189749	3794.980	8.27
1C03049-CALS	100	387244	3872.440	8.27
1C03049-CALT	200	751809	3759.045	8.27
1C03049-CALU	500	2014099	4028.198	8.27
1C03049-CALV	1000	4064381	4064.381	8.27
1C03049-CALW	2000	7792918	3896.459	8.27

AVE RF **3939.386** RF RSD **3.76** AVE RT **8.27**

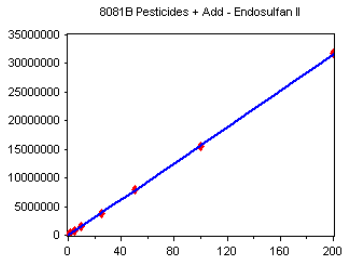
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Endosulfan II

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

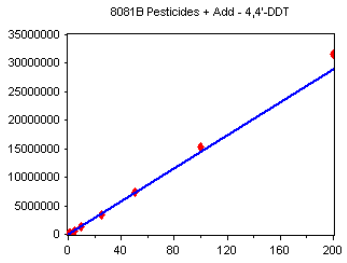


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	117739	235478.000	8.28
1C03049-CAL2	1	194279	194279.000	8.28
1C03049-CAL3	2	362133	181066.500	8.28
1C03049-CAL4	5	811385	162277.000	8.28
1C03049-CAL5	10	1602539	160253.900	8.28
1C03049-CAL6	25	3774043	150961.700	8.28
1C03049-CAL7	50	7892131	157842.600	8.28
1C03049-CAL8	100	1.551871E+07	155187.100	8.28
1C03049-CAL9	200	3.177846E+07	158892.300	8.28

AVE RF **172915.300** RF RSD **15.75** AVE RT **8.28**

4,4'-DDT

Curve Fit: **AVERAGE RF**

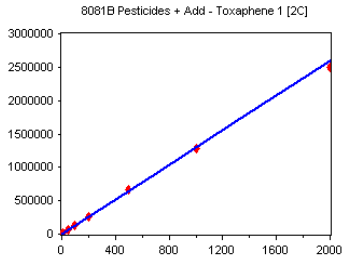


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	81474	162948.000	8.35
1C03049-CAL2	1	144756	144756.000	8.35
1C03049-CAL3	2	275901	137950.500	8.35
1C03049-CAL4	5	659864	131972.800	8.35
1C03049-CAL5	10	1348615	134861.500	8.35
1C03049-CAL6	25	3326826	133073.000	8.35
1C03049-CAL7	50	7392909	147858.200	8.35
1C03049-CAL8	100	1.52662E+07	152662.000	8.35
1C03049-CAL9	200	3.160976E+07	158048.800	8.35

AVE RF **144903.400** RF RSD **7.81** AVE RT **8.35**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

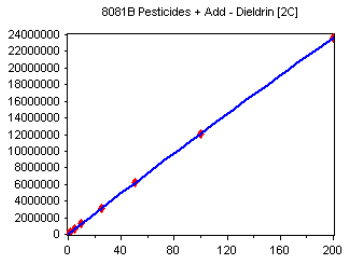


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	12928	1292.800	8.37
1C03049-CALR	50	67589	1351.780	8.37
1C03049-CALS	100	133033	1330.330	8.37
1C03049-CALT	200	258740	1293.700	8.37
1C03049-CALU	500	657692	1315.384	8.37
1C03049-CALV	1000	1274272	1274.272	8.37
1C03049-CALW	2000	2492166	1246.083	8.37

AVE RF **1300.621** RF RSD **2.72** AVE RT **8.37**

Dieldrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	81126	162252.000	8.40
1C03049-CAL2	1	142399	142399.000	8.40
1C03049-CAL3	2	272537	136268.500	8.40
1C03049-CAL4	5	631857	126371.400	8.40
1C03049-CAL5	10	1261577	126157.700	8.40
1C03049-CAL6	25	3048843	121953.700	8.40
1C03049-CAL7	50	6227384	124547.700	8.40
1C03049-CAL8	100	1.207296E+07	120729.600	8.40
1C03049-CAL9	200	2.367455E+07	118372.800	8.40

AVE RF **131005.800** RF RSD **10.69** AVE RT **8.40**

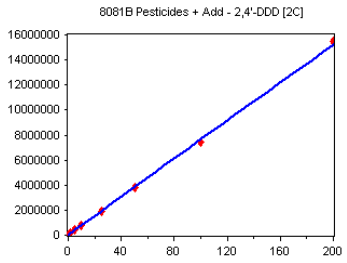
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

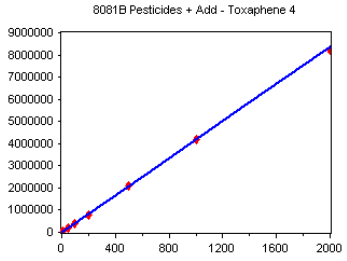


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	54641	109282.000	8.40
1C03049-CALB	1	95066	95066.000	8.40
1C03049-CALC	2	174025	87012.500	8.40
1C03049-CALD	5	416993	83398.600	8.40
1C03049-CALE	10	770623	77062.300	8.40
1C03049-CALF	25	1926085	77043.400	8.40
1C03049-CALG	50	3797075	75941.500	8.40
1C03049-CALH	100	7466584	74665.840	8.40
1C03049-CALI	200	1.549869E+07	77493.450	8.40

AVE RF **84107.290** RF RSD **13.70** AVE RT **8.40**

Toxaphene 4

Curve Fit: **AVERAGE RF**

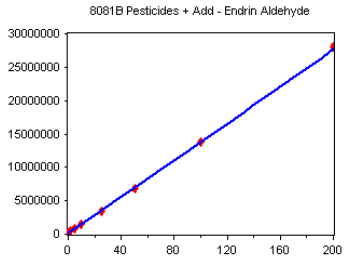


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	50020	5002.000	8.51
1C03049-CALR	50	195608	3912.160	8.51
1C03049-CALS	100	398477	3984.770	8.51
1C03049-CALT	200	778575	3892.875	8.51
1C03049-CALU	500	2094580	4189.160	8.51
1C03049-CALV	1000	4191330	4191.330	8.51
1C03049-CALW	2000	8204015	4102.007	8.51

AVE RF **4182.043** RF RSD **9.13** AVE RT **8.51**

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

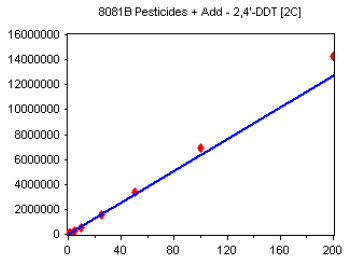


Standard	Concentration	Response	Response Factor	RT
~~1C03049-CAL1~~	~~0.5~~	~~149541~~	~~299082.000~~	~~8.58~~
1C03049-CAL2	1	251804	251804.000	8.58
1C03049-CAL3	2	456374	228187.000	8.58
1C03049-CAL4	5	784200	156840.000	8.58
1C03049-CAL5	10	1446289	144628.900	8.58
1C03049-CAL6	25	3332867	133314.700	8.58
1C03049-CAL7	50	6890878	137817.600	8.58
1C03049-CAL8	100	1.370773E+07	137077.300	8.58
1C03049-CAL9	200	2.79993E+07	139996.500	8.58

AVE RF **166208.200** RF RSD **27.99** AVE RT **8.58**

2,4'-DDT [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	32387	64774.000	8.62
1C03049-CALB	1	63363	63363.000	8.62
1C03049-CALC	2	117166	58583.000	8.62
1C03049-CALD	5	289734	57946.800	8.62
1C03049-CALE	10	558251	55825.100	8.62
1C03049-CALF	25	1569853	62794.120	8.62
1C03049-CALG	50	3359216	67184.320	8.62
1C03049-CALH	100	6917982	69179.820	8.62
1C03049-CALI	200	1.431242E+07	71562.100	8.62

AVE RF **63468.030** RF RSD **8.39** AVE RT **8.62**

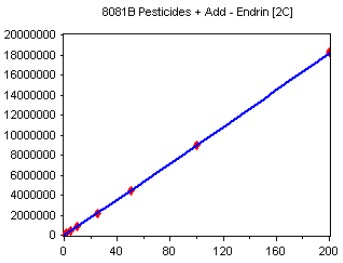
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Endrin [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

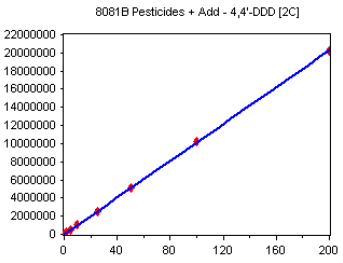


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	58438	116876.000	8.62
1C03049-CAL2	1	102744	102744.000	8.62
1C03049-CAL3	2	201828	100914.000	8.62
1C03049-CAL4	5	457195	91439.000	8.62
1C03049-CAL5	10	891907	89190.700	8.62
1C03049-CAL6	25	2128741	85149.640	8.62
1C03049-CAL7	50	4482861	89657.220	8.62
1C03049-CAL8	100	8992921	89929.210	8.62
1C03049-CAL9	200	1.827497E+07	91374.850	8.62

AVE RF **95252.740** RF RSD **10.39** AVE RT **8.62**

4,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

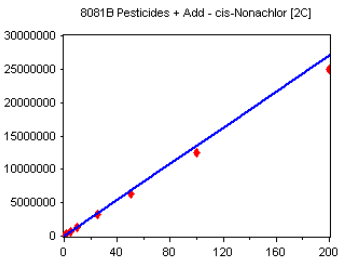


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	71038	142076.000	8.66
1C03049-CAL2	1	121812	121812.000	8.66
1C03049-CAL3	2	224856	112428.000	8.66
1C03049-CAL4	5	513928	102785.600	8.66
1C03049-CAL5	10	1041274	104127.400	8.66
1C03049-CAL6	25	2500797	100031.900	8.66
1C03049-CAL7	50	5156486	103129.700	8.66
1C03049-CAL8	100	1.023098E+07	102309.800	8.66
1C03049-CAL9	200	2.016239E+07	100812.000	8.66

AVE RF **109945.800** RF RSD **12.66** AVE RT **8.66**

cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

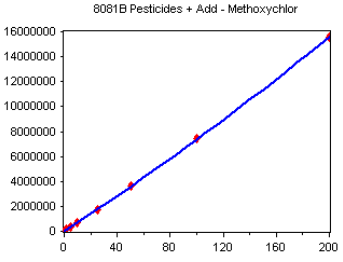


Standard	Concentration	Response	Response Factor	RT
1C03049-CALA	0.5	83170	166340.000	8.67
1C03049-CALB	1	147913	147913.000	8.67
1C03049-CALC	2	269198	134599.000	8.67
1C03049-CALD	5	676582	135316.400	8.67
1C03049-CALE	10	1276559	127655.900	8.67
1C03049-CALF	25	3276356	131054.200	8.67
1C03049-CALG	50	6303429	126068.600	8.67
1C03049-CALH	100	1.242528E+07	124252.800	8.67
1C03049-CALI	200	2.494857E+07	124742.900	8.67

AVE RF **135327.000** RF RSD **10.18** AVE RT **8.67**

Methoxychlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	49222	98444.000	8.68
1C03049-CAL2	1	85340	85340.000	8.68
1C03049-CAL3	2	159233	79616.500	8.68
1C03049-CAL4	5	360562	72112.400	8.68
1C03049-CAL5	10	702643	70264.300	8.68
1C03049-CAL6	25	1690671	67626.840	8.68
1C03049-CAL7	50	3669494	73389.880	8.68
1C03049-CAL8	100	7413230	74132.300	8.68
1C03049-CAL9	200	1.554199E+07	77709.950	8.68

AVE RF **77626.240** RF RSD **12.15** AVE RT **8.68**

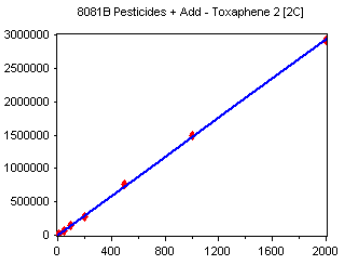
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

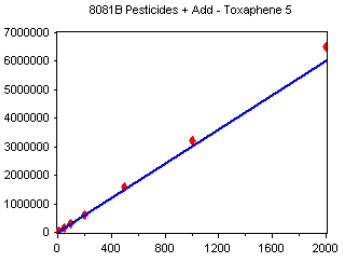


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	15425	1542.500	8.72
1C03049-CALR	50	70999	1419.980	8.72
1C03049-CALS	100	144955	1449.550	8.72
1C03049-CALT	200	282259	1411.295	8.72
1C03049-CALU	500	756638	1513.276	8.72
1C03049-CALV	1000	1487397	1487.397	8.72
1C03049-CALW	2000	2916552	1458.276	8.72

AVE RF **1468.896** RF RSD **3.28** AVE RT **8.72**

Toxaphene 5

Curve Fit: **AVERAGE RF**

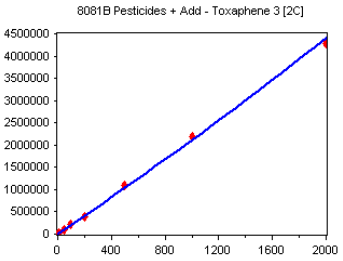


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	26884	2688.400	8.74
1C03049-CALR	50	141648	2832.960	8.74
1C03049-CALS	100	294995	2949.950	8.74
1C03049-CALT	200	588222	2941.110	8.74
1C03049-CALU	500	1607314	3214.628	8.74
1C03049-CALV	1000	3218724	3218.724	8.74
1C03049-CALW	2000	6493295	3246.647	8.74

AVE RF **3013.203** RF RSD **7.23** AVE RT **8.74**

Toxaphene 3 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

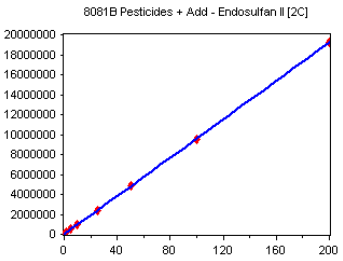


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	28217	2821.700	8.77
1C03049-CALR	50	105628	2112.560	8.76
1C03049-CALS	100	208595	2085.950	8.76
1C03049-CALT	200	399055	1995.275	8.76
1C03049-CALU	500	1102207	2204.414	8.76
1C03049-CALV	1000	2197406	2197.406	8.76
1C03049-CALW	2000	4270746	2135.373	8.76

AVE RF **2221.811** RF RSD **12.33** AVE RT **8.76**

Endosulfan II [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	70881	141762.000	8.77
1C03049-CAL2	1	118879	118879.000	8.77
1C03049-CAL3	2	217562	108781.000	8.77
1C03049-CAL4	5	495212	99042.400	8.77
1C03049-CAL5	10	985486	98548.600	8.77
1C03049-CAL6	25	2358030	94321.200	8.77
1C03049-CAL7	50	4907536	98150.720	8.77
1C03049-CAL8	100	9548387	95483.870	8.77
1C03049-CAL9	200	1.924962E+07	96248.100	8.77

AVE RF **105690.800** RF RSD **14.81** AVE RT **8.77**

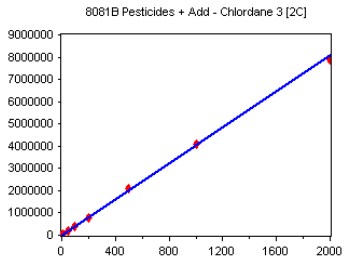
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**

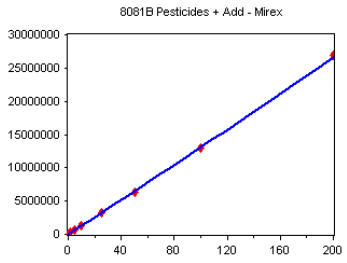


Standard	Concentration	Response	Response Factor	RT
1C03049-CALJ	10	44831	4483.100	8.80
1C03049-CALK	50	200550	4011.000	8.80
1C03049-CALL	100	367050	3670.500	8.80
1C03049-CALM	200	789175	3945.875	8.80
1C03049-CALN	500	2111482	4222.964	8.80
1C03049-CALO	1000	4065896	4065.896	8.80
1C03049-CALP	2000	7858554	3929.277	8.80

AVE RF **4046.945** RF RSD **6.29** AVE RT **8.80**

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

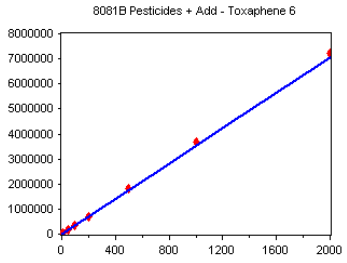


Standard	Concentration	Response	Response Factor	RT
~~1C03049-CALA~~	~~0.5~~	~~90050~~	~~180100.000~~	~~8.81~~
1C03049-CALB	1	173148	173148.000	8.81
1C03049-CALC	2	308290	154145.000	8.81
1C03049-CALD	5	716547	143309.400	8.81
1C03049-CALE	10	1311683	131168.300	8.81
1C03049-CALF	25	3218550	128742.000	8.81
1C03049-CALG	50	6339632	126792.600	8.81
1C03049-CALH	100	1.296579E+07	129657.900	8.81
1C03049-CALI	200	2.694617E+07	134730.800	8.81

AVE RF **140211.800** RF RSD **11.51** AVE RT **8.81**

Toxaphene 6

Curve Fit: **AVERAGE RF**

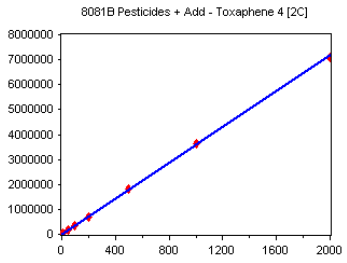


Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	34356	3435.600	8.81
1C03049-CALR	50	172482	3449.640	8.81
1C03049-CALS	100	344725	3447.250	8.81
1C03049-CALT	200	688086	3440.430	8.81
1C03049-CALU	500	1824963	3649.926	8.81
1C03049-CALV	1000	3659782	3659.782	8.81
1C03049-CALW	2000	7207527	3603.763	8.81

AVE RF **3526.627** RF RSD **2.99** AVE RT **8.81**

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	39741	3974.100	8.82
1C03049-CALR	50	173570	3471.400	8.82
1C03049-CALS	100	346487	3464.870	8.82
1C03049-CALT	200	682894	3414.470	8.82
1C03049-CALU	500	1820266	3640.532	8.82
1C03049-CALV	1000	3640794	3640.794	8.82
1C03049-CALW	2000	7085052	3542.526	8.82

AVE RF **3592.670** RF RSD **5.27** AVE RT **8.82**

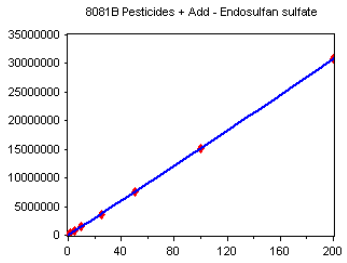
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Endosulfan sulfate

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

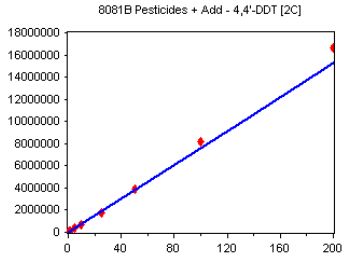


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	118407	236814.000	8.88
1C03049-CAL2	1	193595	193595.000	8.88
1C03049-CAL3	2	357071	178535.500	8.88
1C03049-CAL4	5	788924	157784.800	8.88
1C03049-CAL5	10	1547821	154782.100	8.88
1C03049-CAL6	25	3661221	146448.800	8.88
1C03049-CAL7	50	7616190	152323.800	8.88
1C03049-CAL8	100	1.515158E+07	151515.800	8.88
1C03049-CAL9	200	3.091126E+07	154556.300	8.88

AVE RF **169595.100** RF RSD **17.34** AVE RT **8.88**

4,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

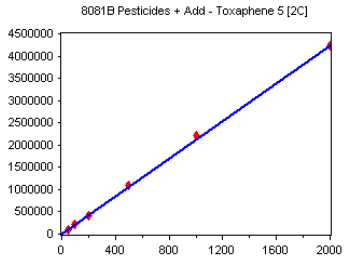


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	43446	86892.000	8.89
1C03049-CAL2	1	74671	74671.000	8.89
1C03049-CAL3	2	144134	72067.000	8.89
1C03049-CAL4	5	347868	69573.600	8.89
1C03049-CAL5	10	696456	69645.600	8.89
1C03049-CAL6	25	1769325	70773.000	8.89
1C03049-CAL7	50	3895954	77919.080	8.89
1C03049-CAL8	100	8160273	81602.730	8.89
1C03049-CAL9	200	1.662631E+07	83131.550	8.89

AVE RF **76252.840** RF RSD **8.43** AVE RT **8.89**

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**

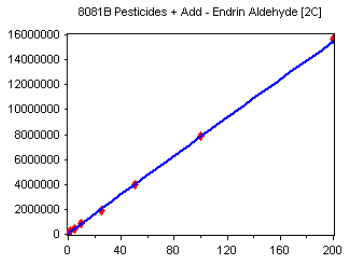


Standard	Concentration	Response	Response Factor	RT
~~1C03049-CALQ~~	~~10~~	~~41540~~	~~4154.000~~	~~9.00~~
1C03049-CALR	50	104471	2089.420	9.00
1C03049-CALS	100	207149	2071.490	9.00
1C03049-CALT	200	411452	2057.260	9.00
1C03049-CALU	500	1091933	2183.866	9.00
1C03049-CALV	1000	2216353	2216.353	9.00
1C03049-CALW	2000	4224661	2112.331	9.00

AVE RF **2121.787** RF RSD **3.03** AVE RT **9.00**

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
~~1C03049-CAL1~~	~~0.5~~	~~87031~~	~~174062.000~~	~~9.00~~
1C03049-CAL2	1	144733	144733.000	9.00
1C03049-CAL3	2	263429	131714.500	9.00
1C03049-CAL4	5	455904	91180.800	9.00
1C03049-CAL5	10	836607	83660.700	9.00
1C03049-CAL6	25	1893449	75737.960	9.00
1C03049-CAL7	50	3992684	79853.680	9.00
1C03049-CAL8	100	7831997	78319.970	9.00
1C03049-CAL9	200	1.561355E+07	78067.750	9.00

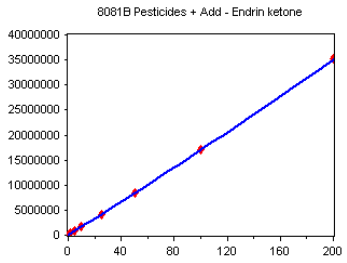
AVE RF **95408.550** RF RSD **28.37** AVE RT **9.00**

Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Endrin ketone

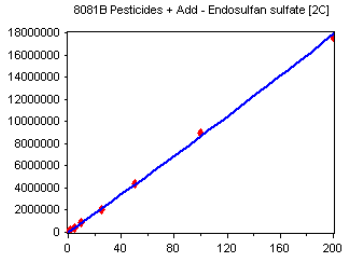


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	126480	252960.000	9.08
1C03049-CAL2	1	211370	211370.000	9.08
1C03049-CAL3	2	377369	188684.500	9.08
1C03049-CAL4	5	868113	173622.600	9.08
1C03049-CAL5	10	1711839	171183.900	9.08
1C03049-CAL6	25	4127286	165091.400	9.08
1C03049-CAL7	50	8414158	168283.200	9.08
1C03049-CAL8	100	1.698994E+07	169899.400	9.08
1C03049-CAL9	200	3.515373E+07	175768.600	9.08

AVE RF **186318.200** RF RSD **15.44** AVE RT **9.08**

Endosulfan sulfate [2C]

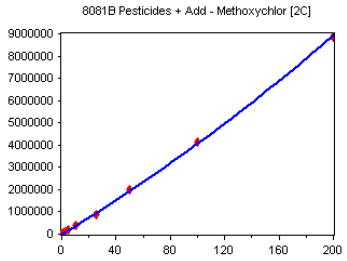


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	67312	134624.000	9.20
1C03049-CAL2	1	106818	106818.000	9.20
1C03049-CAL3	2	197521	98760.500	9.20
1C03049-CAL4	5	426679	85335.800	9.20
1C03049-CAL5	10	877340	87734.000	9.20
1C03049-CAL6	25	2087801	83512.040	9.20
1C03049-CAL7	50	4377588	87551.760	9.20
1C03049-CAL8	100	8910882	89108.820	9.20
1C03049-CAL9	200	1.757311E+07	87865.550	9.20

AVE RF **95701.160** RF RSD **17.08** AVE RT **9.20**

Methoxychlor [2C]

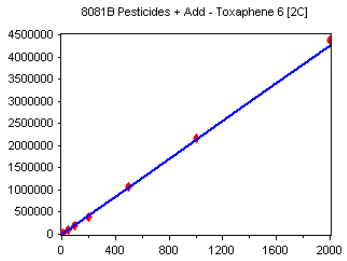


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	25051	50102.000	9.36
1C03049-CAL2	1	44872	44872.000	9.36
1C03049-CAL3	2	81986	40993.000	9.36
1C03049-CAL4	5	187739	37547.800	9.36
1C03049-CAL5	10	376089	37608.900	9.36
1C03049-CAL6	25	894943	35797.720	9.36
1C03049-CAL7	50	2009344	40186.880	9.36
1C03049-CAL8	100	4155882	41558.820	9.36
1C03049-CAL9	200	8832474	44162.370	9.36

AVE RF **41425.500** RF RSD **10.72** AVE RT **9.36**

Toxaphene 6 [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C03049-CALQ	10	22966	2296.600	9.38
1C03049-CALR	50	101106	2022.120	9.38
1C03049-CALS	100	205315	2053.150	9.38
1C03049-CALT	200	400525	2002.625	9.38
1C03049-CALU	500	1080933	2161.866	9.38
1C03049-CALV	1000	2174424	2174.424	9.37
1C03049-CALW	2000	4372411	2186.206	9.38

AVE RF **2128.142** RF RSD **4.99** AVE RT **9.38**

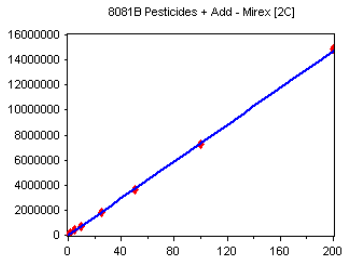
Element Calibration Review Sheet

Calibration ID: **A1C0405** Instrument: **DUALECD3** Calibration Date: **03/04/2021**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_21020**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

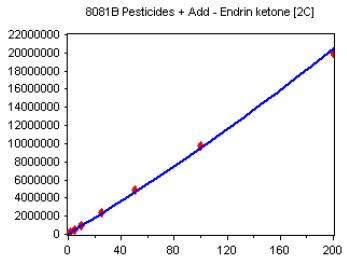


Standard	Concentration	Response	Response Factor	RT
~~1C03049-CALA~~	~~0.5~~	~~75831~~	~~151662.000~~	~~9.58~~
1C03049-CALB	1	94792	94792.000	9.58
1C03049-CALC	2	171481	85740.500	9.58
1C03049-CALD	5	409939	81987.800	9.58
1C03049-CALE	10	722331	72233.100	9.58
1C03049-CALF	25	1844558	73782.320	9.58
1C03049-CALG	50	3630148	72602.960	9.58
1C03049-CALH	100	7282009	72820.090	9.58
1C03049-CALI	200	1.487273E+07	74363.650	9.58

AVE RF **78540.300** RF RSD **10.50** AVE RT **9.58**

Endrin ketone [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

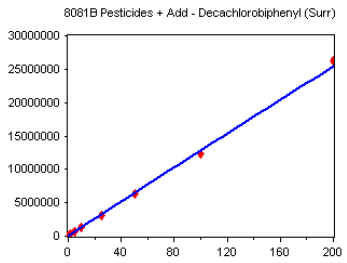


Standard	Concentration	Response	Response Factor	RT
~~1C03049-CAL1~~	~~0.5~~	~~149307~~	~~298614.000~~	~~9.58~~
1C03049-CAL2	1	149932	149932.000	9.59
1C03049-CAL3	2	215120	107560.000	9.59
1C03049-CAL4	5	480262	96052.400	9.59
1C03049-CAL5	10	963932	96393.200	9.59
1C03049-CAL6	25	2360616	94424.640	9.59
1C03049-CAL7	50	4822483	96449.660	9.59
1C03049-CAL8	100	9762073	97620.730	9.59
1C03049-CAL9	200	1.995551E+07	99777.550	9.59

AVE RF **104776.300** RF RSD **17.84** AVE RT **9.59**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

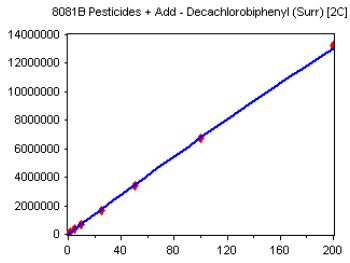


Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	84415	168830.000	9.75
1C03049-CAL2	1	160913	160913.000	9.75
1C03049-CAL3	2	301433	150716.500	9.75
1C03049-CAL4	5	671096	134219.200	9.75
1C03049-CAL5	10	1298707	129870.700	9.75
1C03049-CAL6	25	3157861	126314.400	9.75
1C03049-CAL7	50	6390595	127811.900	9.75
1C03049-CAL8	100	1.228225E+07	122822.500	9.75
1C03049-CAL9	200	2.621292E+07	131064.600	9.75

AVE RF **139173.600** RF RSD **11.98** AVE RT **9.75**

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C03049-CAL1	0.5	48386	96772.000	10.43
1C03049-CAL2	1	94242	94242.000	10.43
1C03049-CAL3	2	161847	80923.500	10.43
1C03049-CAL4	5	361705	72341.000	10.43
1C03049-CAL5	10	703762	70376.200	10.43
1C03049-CAL6	25	1661484	66459.360	10.43
1C03049-CAL7	50	3389378	67787.560	10.43
1C03049-CAL8	100	6760110	67601.100	10.43
1C03049-CAL9	200	1.323894E+07	66194.700	10.43

AVE RF **75855.270** RF RSD **15.86** AVE RT **10.43**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C03049

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additionals
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pest + Add (250mL) - Development
608.3 Pesticides (DDT Only)
608.3 Pesticides (SW)
608.3 Pesticides (SW) Full List
608.3 Pesticides (TTO)
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C03049

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
1C03049-ICB1	Initial Cal Blank	Water	A21B195		3/3/2021 1:23:00PM
1C03049-CAL1	Cal Standard	Water	A21C048	"	3/3/2021 1:40:00PM
1C03049-CAL2	Cal Standard	Water	A21C049	"	3/3/2021 1:58:00PM
1C03049-CAL3	Cal Standard	Water	A21B419	"	3/3/2021 2:15:00PM
1C03049-CAL4	Cal Standard	Water	A21B420	"	3/3/2021 2:32:00PM
1C03049-CAL5	Cal Standard	Water	A21B421	"	3/3/2021 2:49:00PM
1C03049-CAL6	Cal Standard	Water	A21B422	"	3/3/2021 3:07:00PM
1C03049-CAL7	Cal Standard	Water	A21B423	"	3/3/2021 3:24:00PM
1C03049-CAL8	Cal Standard	Water	A21B424	"	3/3/2021 3:41:00PM
1C03049-CAL9	Cal Standard	Water	A21B418	"	3/3/2021 3:58:00PM
1C03049-ICV1	Initial Cal Check	Water	A20I130	"	3/3/2021 4:33:00PM
1C03049-CALA	Cal Standard	Water	A21C050	"	3/3/2021 4:50:00PM
1C03049-CALB	Cal Standard	Water	A20I180	"	3/3/2021 5:07:00PM
1C03049-CALC	Cal Standard	Water	A20I181	"	3/3/2021 5:25:00PM
1C03049-CALD	Cal Standard	Water	A20I182	"	3/3/2021 5:42:00PM
1C03049-CALE	Cal Standard	Water	A20I183	"	3/3/2021 5:59:00PM
1C03049-CALF	Cal Standard	Water	A20I184	"	3/3/2021 6:16:00PM
1C03049-CALG	Cal Standard	Water	A21A187	"	3/3/2021 6:33:00PM
1C03049-CALH	Cal Standard	Water	A21A188	"	3/3/2021 6:51:00PM
1C03049-CALI	Cal Standard	Water	A20I179	"	3/3/2021 7:08:00PM
1C03049-ICV2	Initial Cal Check	Water	A20I187	"	3/3/2021 7:42:00PM
1C03049-CALJ	Cal Standard	Water	A21C051	"	3/3/2021 7:59:00PM
1C03049-CALK	Cal Standard	Water	A20L139	"	3/3/2021 8:17:00PM
1C03049-CALL	Cal Standard	Water	A20L140	"	3/3/2021 8:34:00PM
1C03049-CALM	Cal Standard	Water	A20L141	"	3/3/2021 8:51:00PM
1C03049-CALN	Cal Standard	Water	A20L142	"	3/3/2021 9:08:00PM
1C03049-CALO	Cal Standard	Water	A20L143	"	3/3/2021 9:25:00PM
1C03049-CALP	Cal Standard	Water	A20L138	"	3/3/2021 9:42:00PM
1C03049-ICV3	Initial Cal Check	Water	A20L144	"	3/3/2021 10:16:00PM
1C03049-CALQ	Cal Standard	Water	A21C052	"	3/3/2021 10:34:00PM
1C03049-CALR	Cal Standard	Water	A20K260	"	3/3/2021 10:51:00PM
1C03049-CALS	Cal Standard	Water	A20K261	"	3/3/2021 11:08:00PM
1C03049-CALT	Cal Standard	Water	A20K262	"	3/3/2021 11:25:00PM
1C03049-CALU	Cal Standard	Water	A20K263	"	3/3/2021 11:42:00PM
1C03049-CALV	Cal Standard	Water	A20K264	"	3/3/2021 11:59:00PM
1C03049-CALW	Cal Standard	Water	A20K259	"	3/4/2021 12:16:00AM
1C03049-ICV4	Initial Cal Check	Water	A20K265	"	3/4/2021 12:51:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1C0405** Instrument: **DualECD3F**

1311/8081B TCLP Pest Reg L Sequence: **1C03049** Matrix: **Water**

1C03049-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C03049

1C03049-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1C03049-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALK	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALL	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALM	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALN	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALO	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Chlordane (Technical)	940.0000	0.00	1000	0	
Chlordane (Technical) [2C]	940.0000	0.00	1000	0	
1C03049-CALP	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Chlordane (Technical)	940.0000	0.00	2000	0	
Chlordane (Technical) [2C]	940.0000	0.00	2000	0	
1C03049-CALQ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALR	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALS	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALT	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C03049-CALU	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C03049

1C03049-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	1000	0	
Toxaphene (Total) [2C]	940.0000	0.00	1000	0	

1C03049-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	2000	0	
Toxaphene (Total) [2C]	940.0000	0.00	2000	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A1C0405** Instrument: **DualECD3F**

608.3 Pest + Add (250mL) - De Sequence: **1C03049** Matrix: **Water**

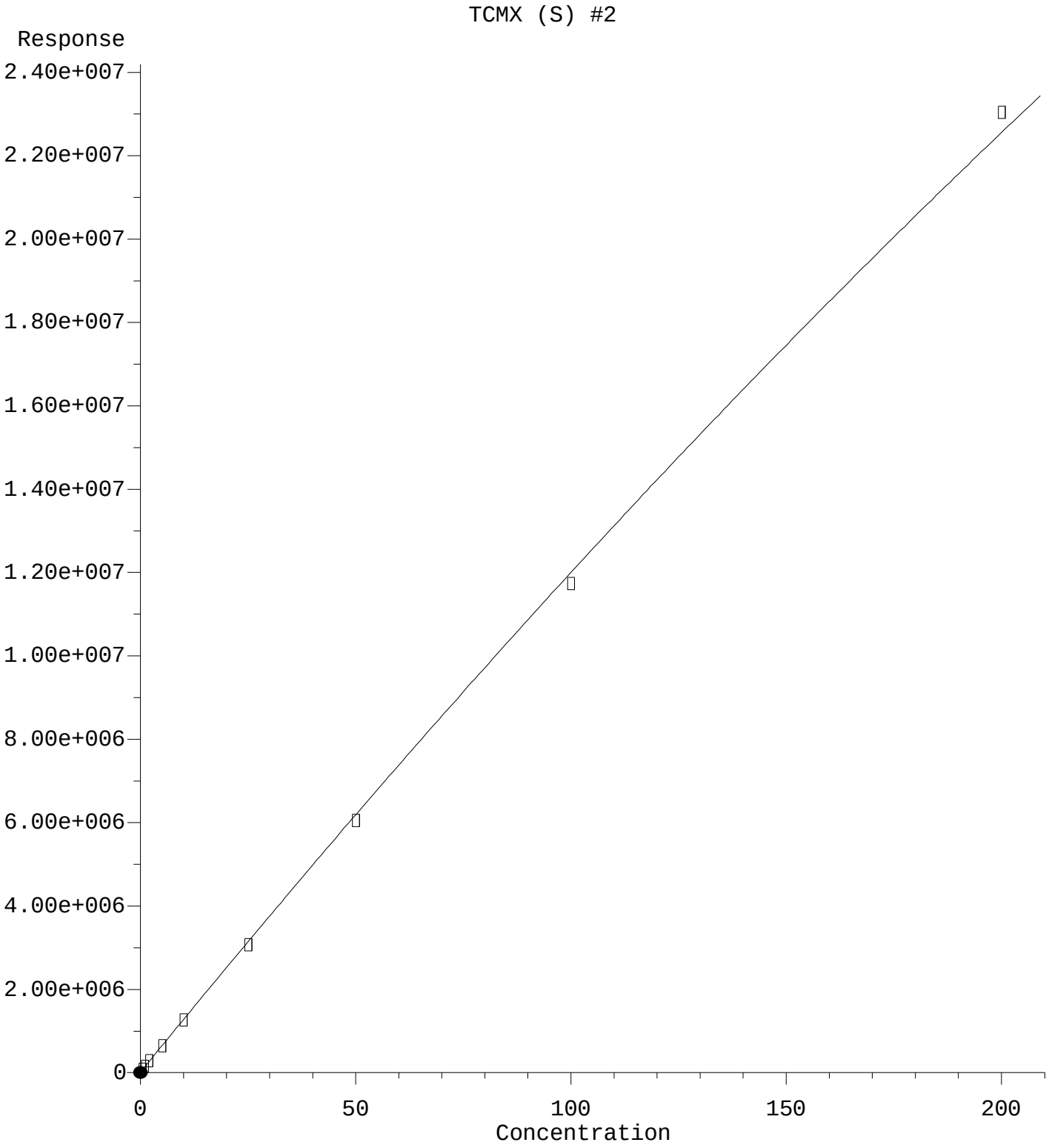
1C03049-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual

1C03049-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual

1C03049-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual

1C03049-ICV4	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

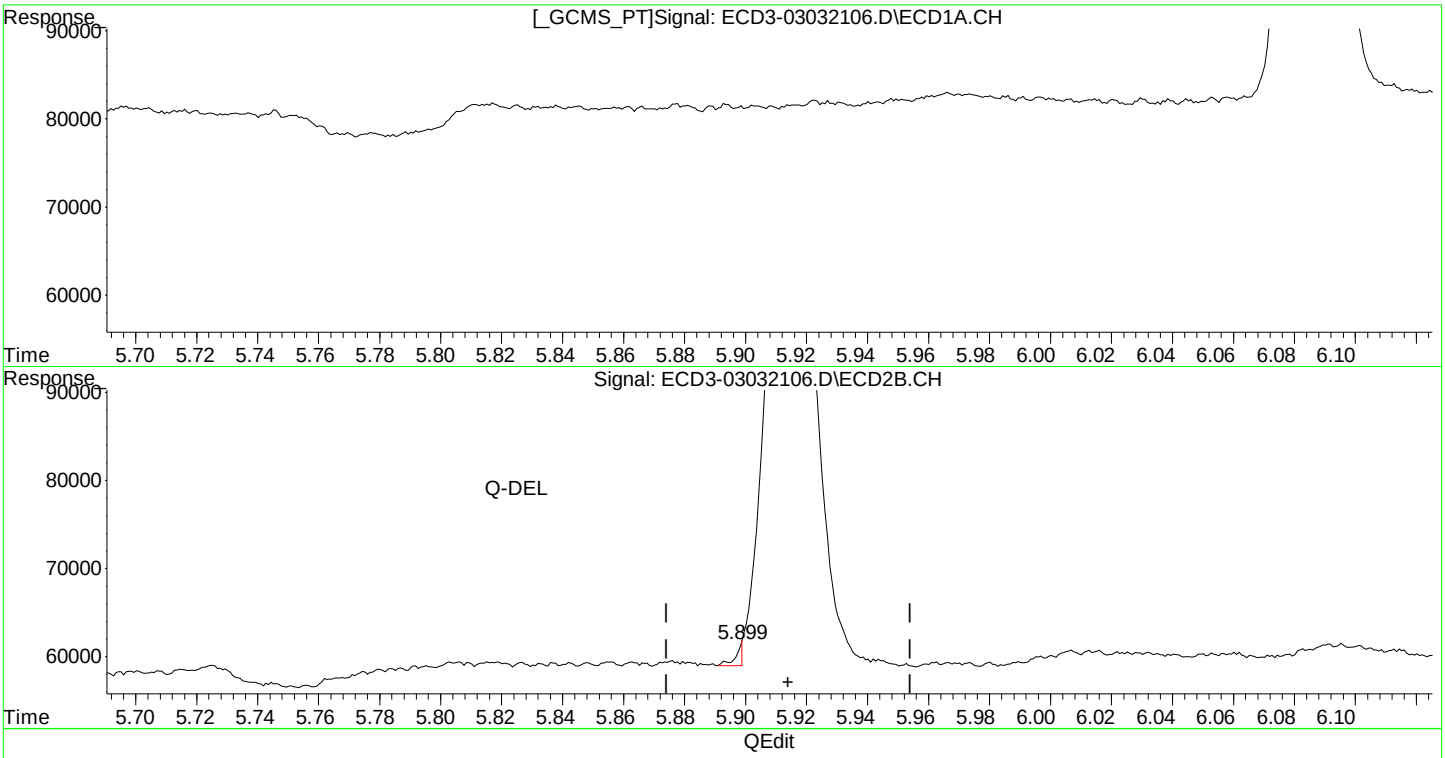


R = -7.10e+001 A*A + 1.27e+005 A + 1.80e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

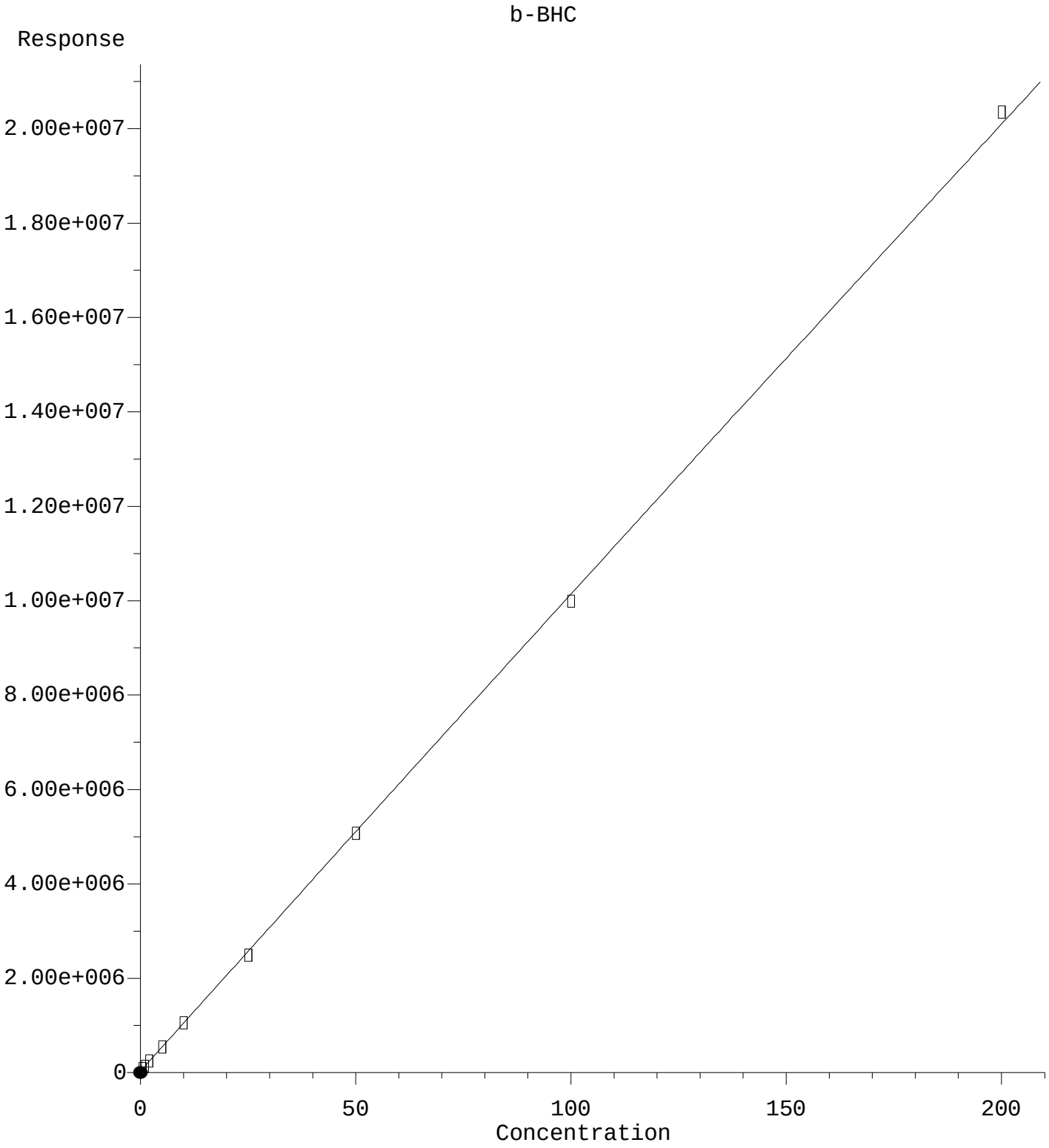
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(1) TCMX (S) (S)
5.534min 0.592 ng/mL
response 122405

(1) TCMX (S) #2 (S)
~~5.899min~~ ~~1787.773 ng/mL m~~
response ~~2491~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:35:33 2021 Page: 1

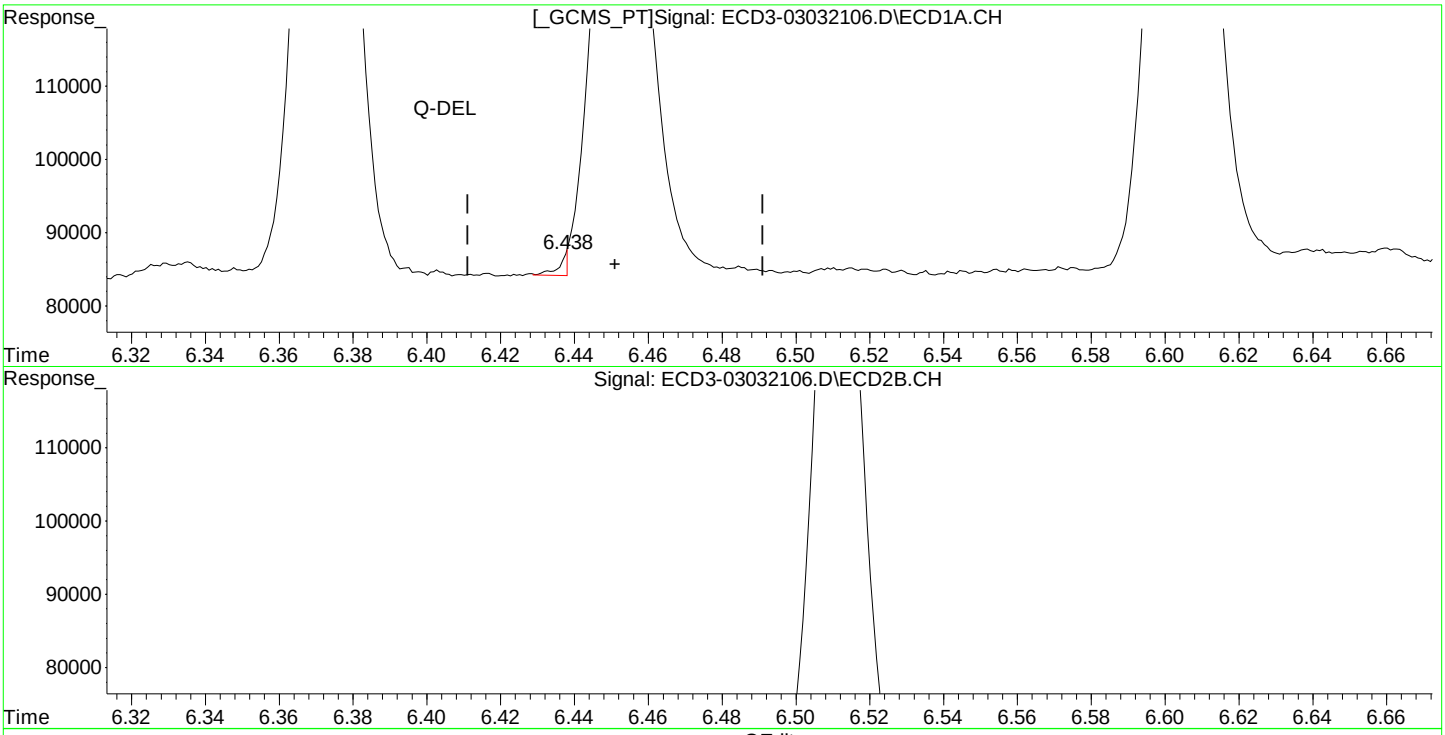


R = -6.94e+000 A*A + 1.02e+005 A + 3.48e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

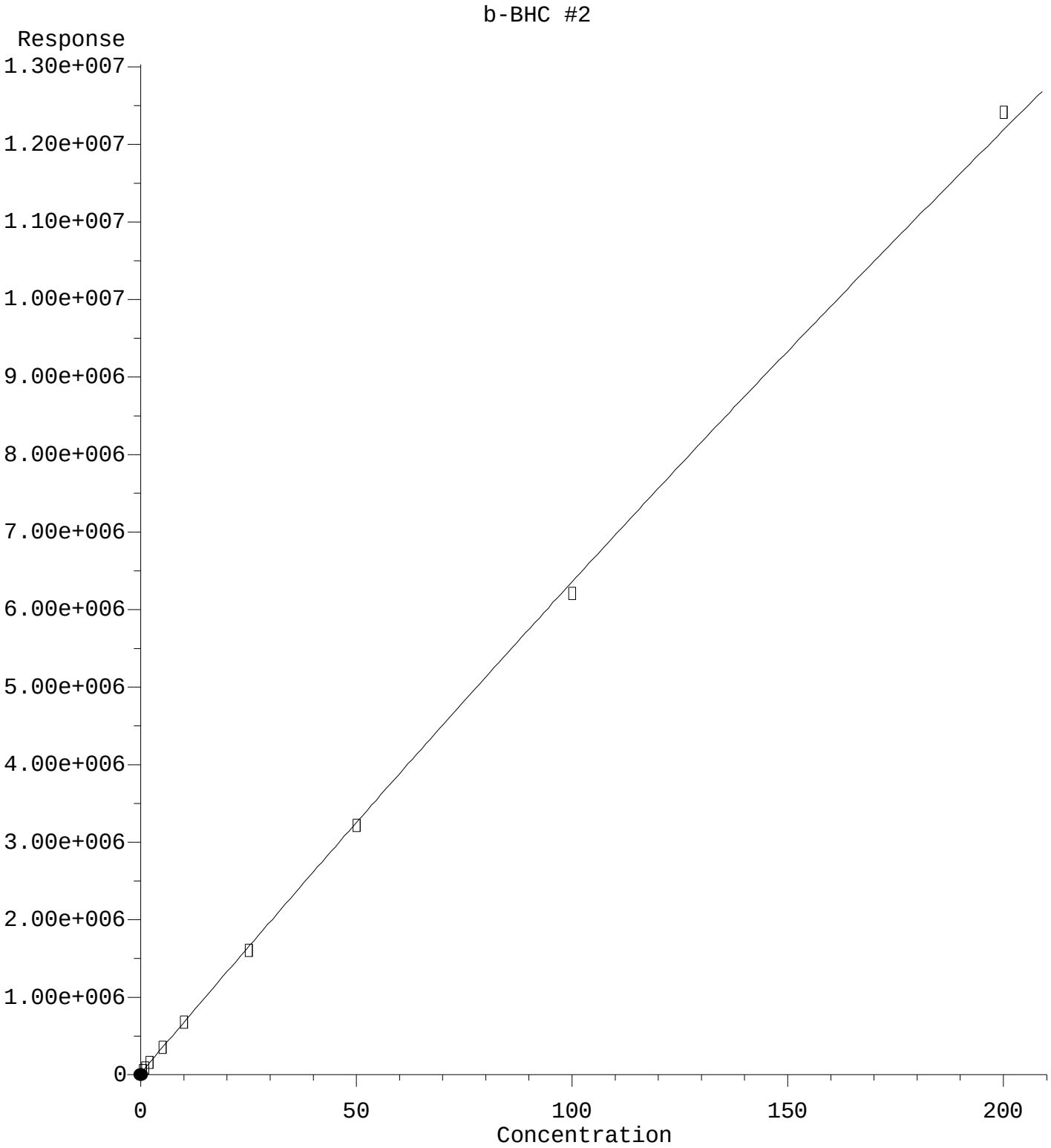


QEdit

(4) b-BHC
~~6.438min 14657.049 ng/mL m~~
response ~~3002~~

(4) b-BHC #2
6.893min 0.491 ng/mL
response 54171

(+) = Expected Retention Time

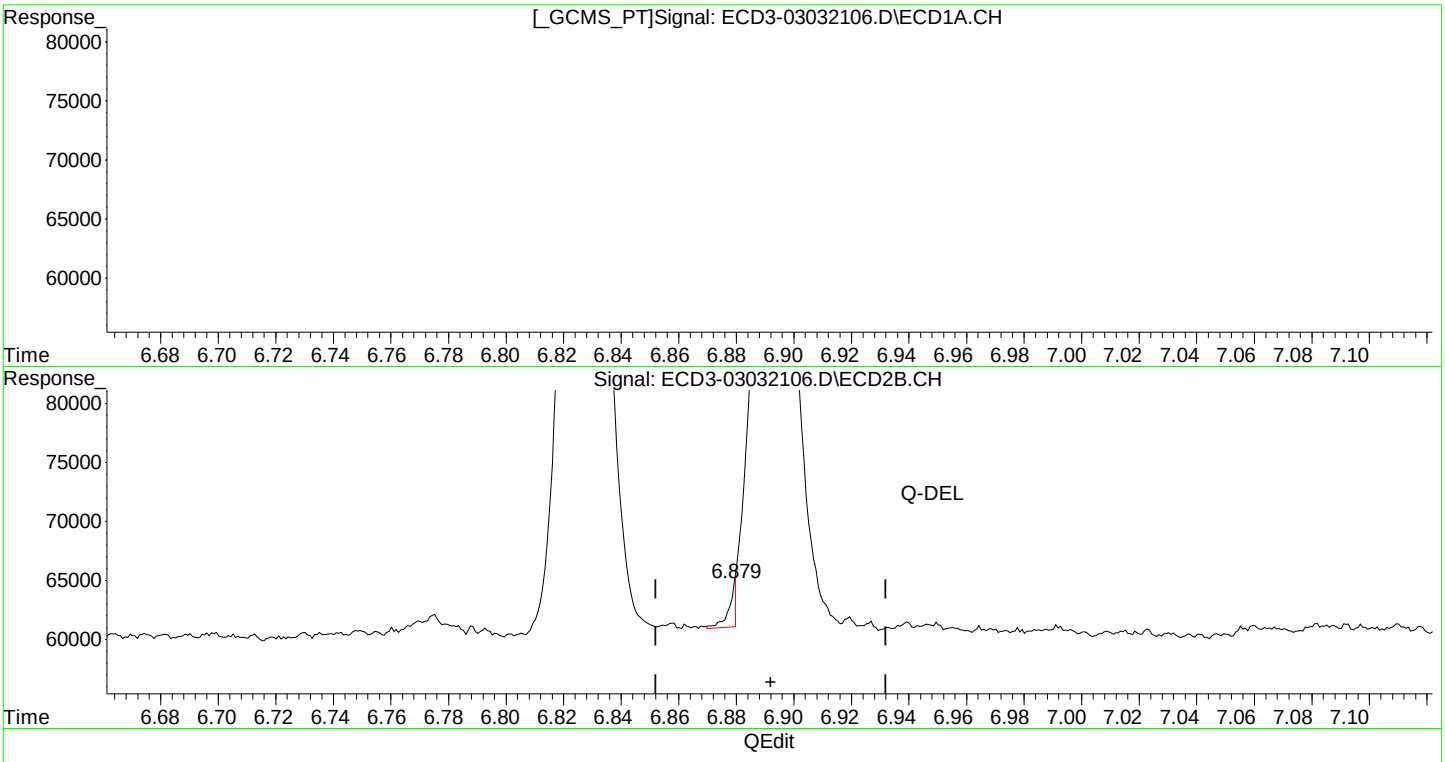


R = -2.52e+001 A*A + 6.59e+004 A + 2.19e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

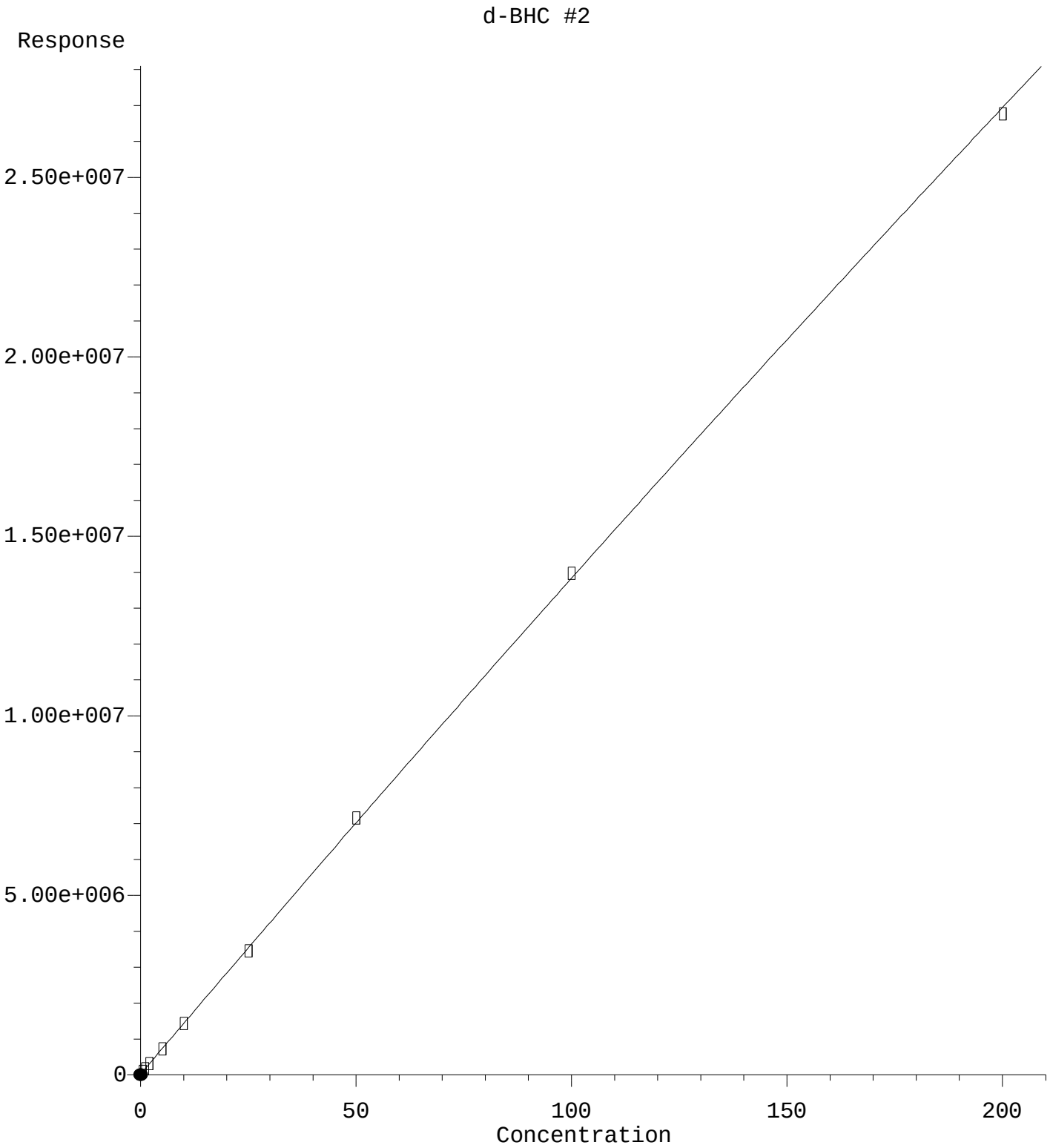
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(4) b-BHC
6.438min 14657.049 ng/mL m
response 3002

(4) b-BHC #2
~~6.879min~~ ~~2615.932 ng/mL m~~
response ~~3734~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:36:19 2021 Page: 1

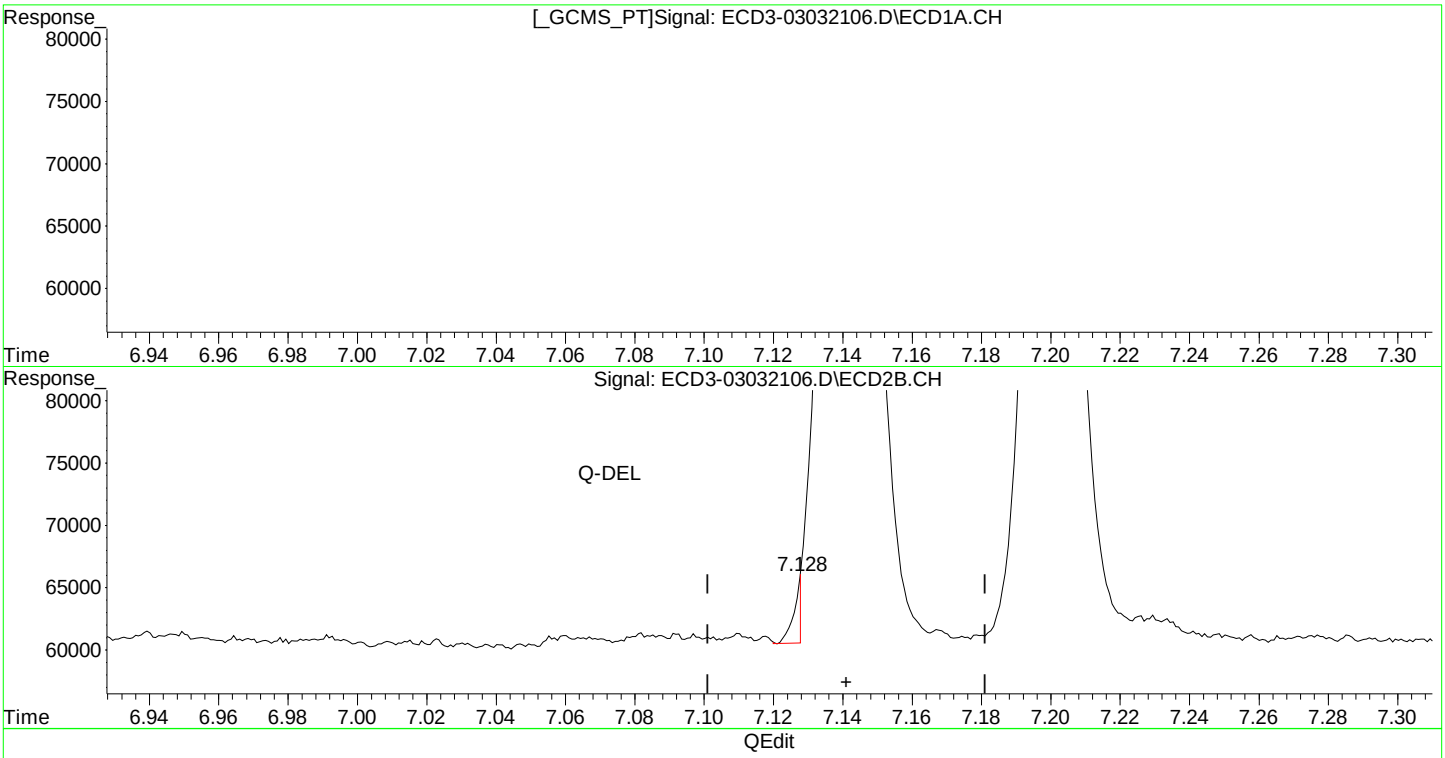


R = -3.47e+001 A*A + 1.42e+005 A + 2.46e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

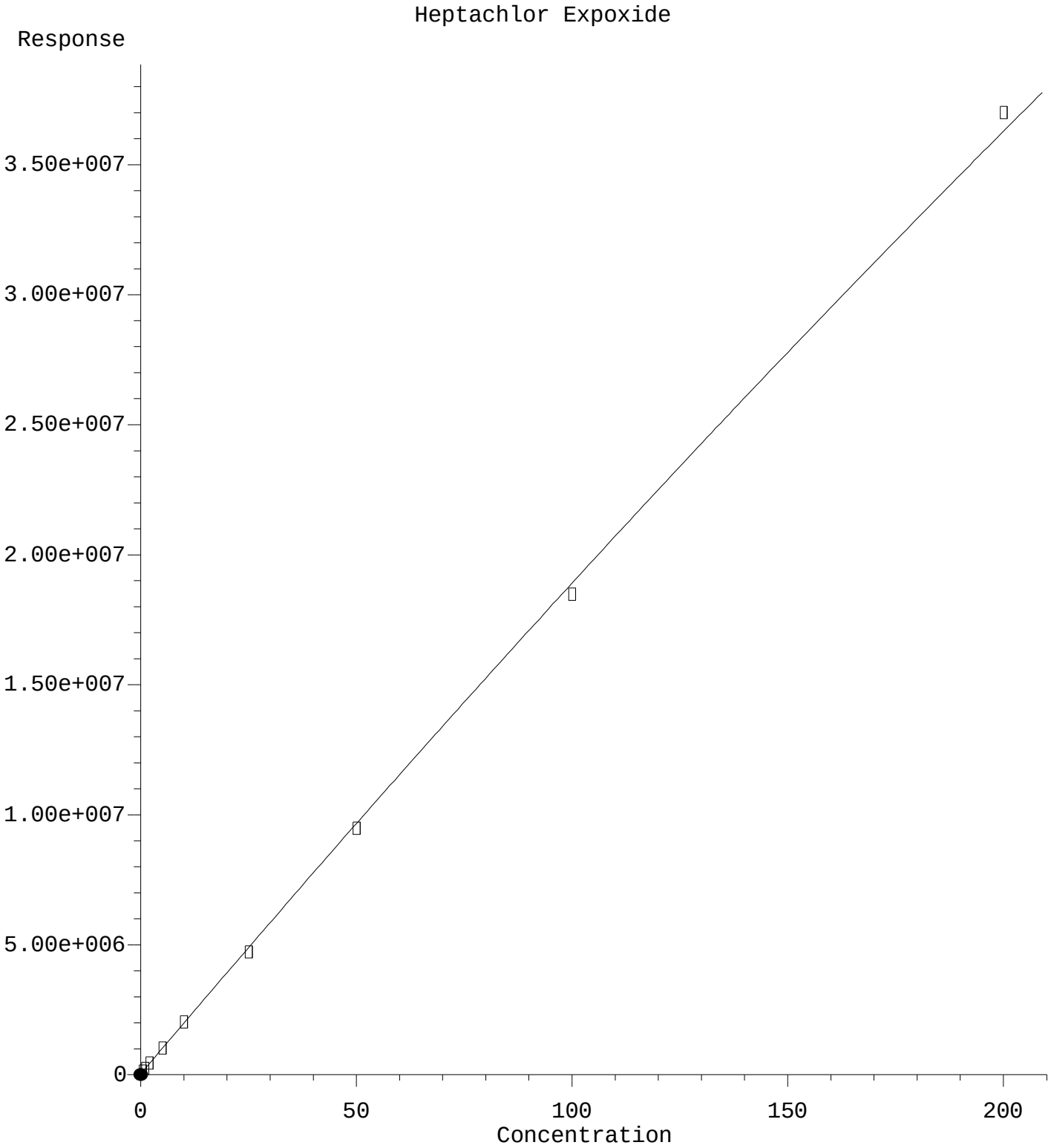
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(6) d-BHC
6.605min 0.607 ng/mL
response 146016

(6) d-BHC #2
~~7.128min~~ ~~4083.444 ng/mL m~~
response ~~5381~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:36:47 2021 Page: 1

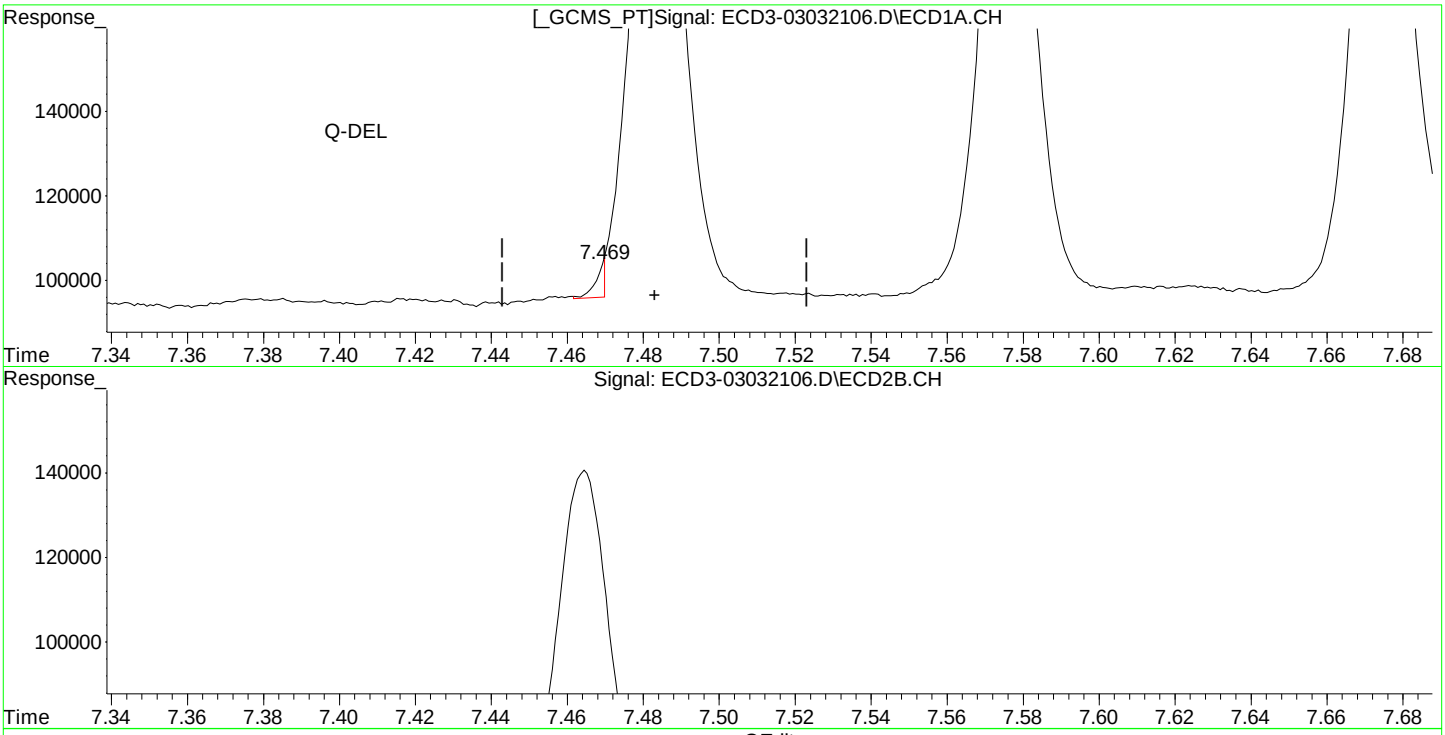


R = -7.40e+001 A*A + 1.96e+005 A + 4.14e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

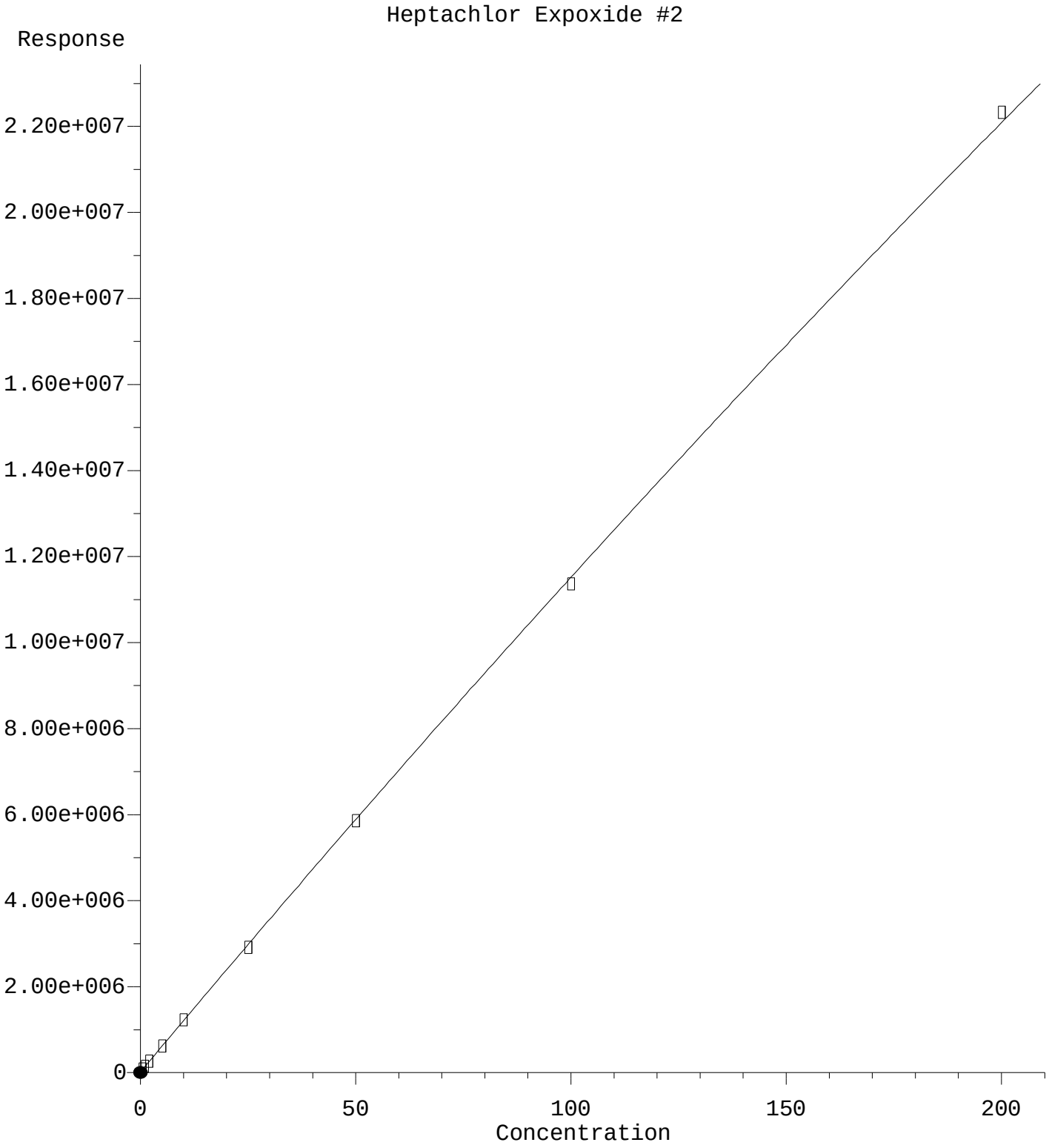


QEdit

(8) Heptachlor Expoxide
~~7.469min 2648.934 ng/mL m~~
response ~~7889~~

(8) Heptachlor Expoxide #2
7.900min 0.491 ng/mL
response 82214

(+) = Expected Retention Time

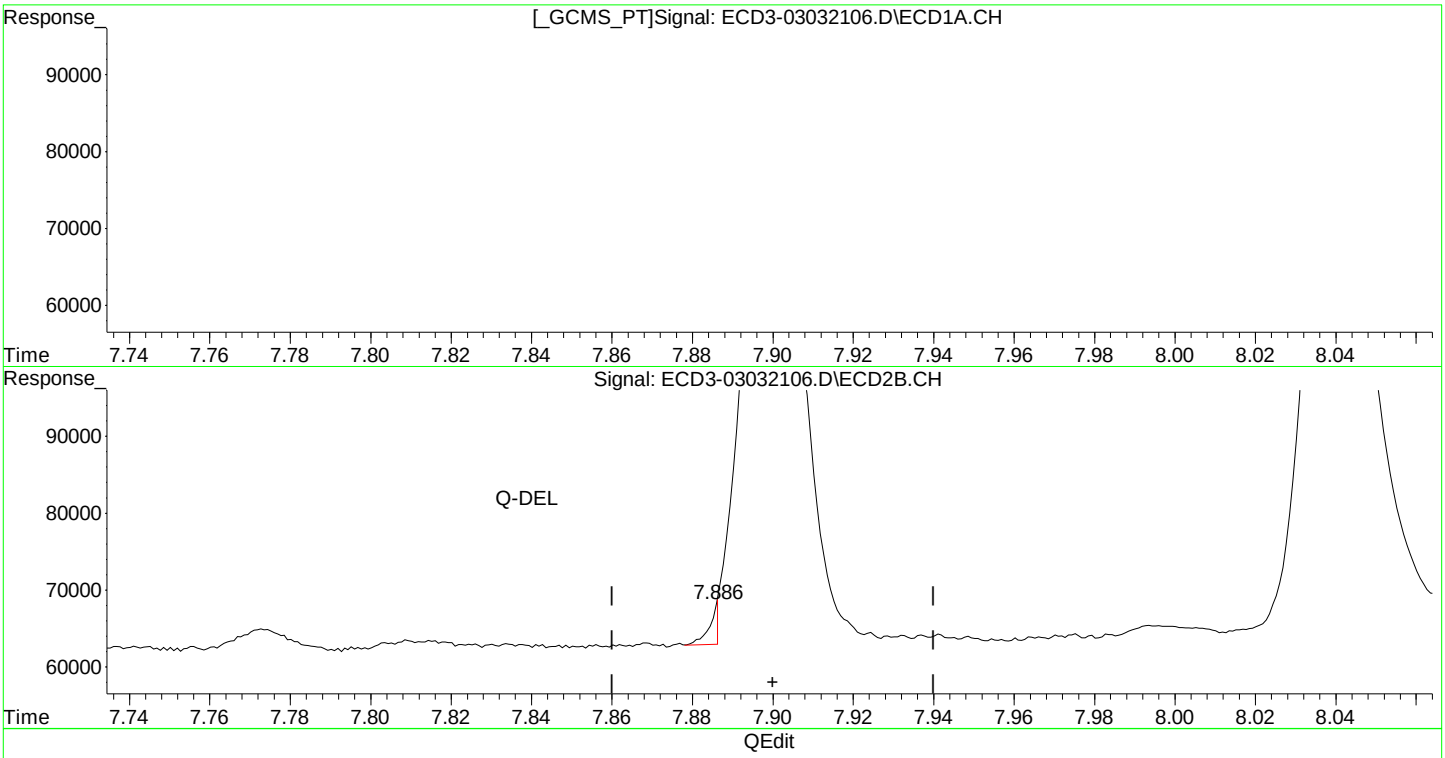


R = -4.59e+001 A*A + 1.20e+005 A + 2.35e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

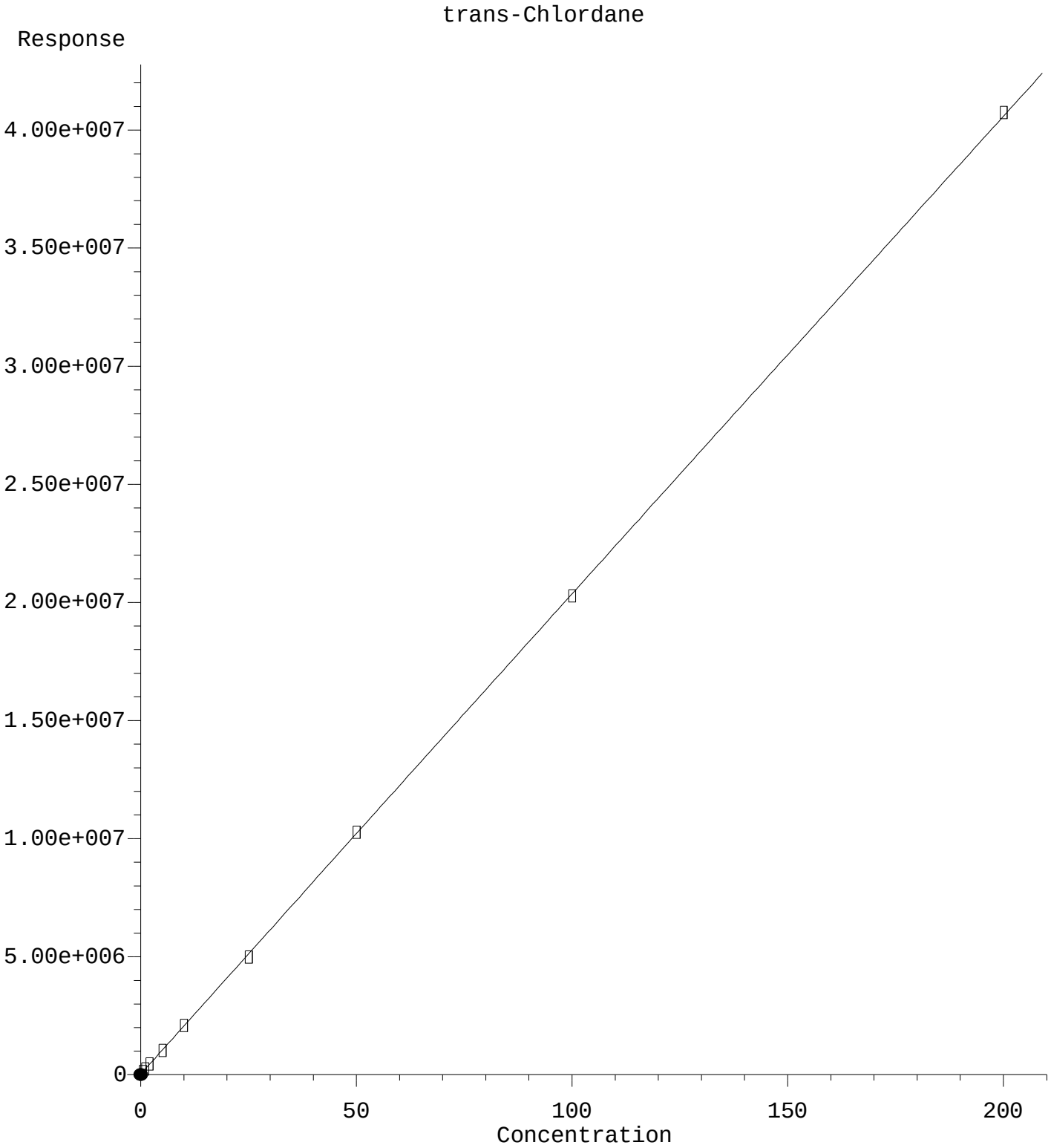
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(8) Heptachlor Expoxide
7.469min 2648.934 ng/mL m
response 7889

(8) Heptachlor Expoxide #2
~~7.886min~~ ~~2603.393 ng/mL m~~
response ~~5335~~

(+) = Expected Retention Time

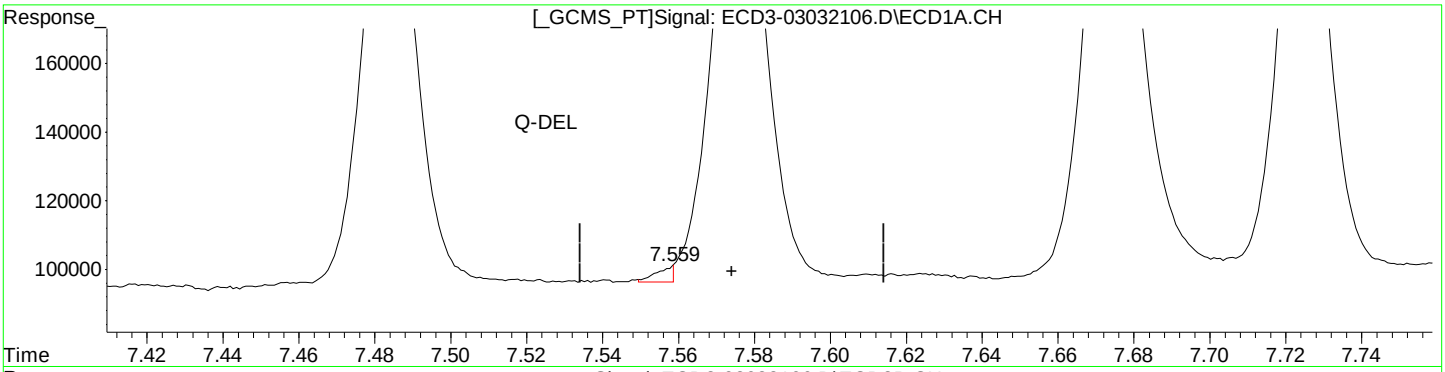


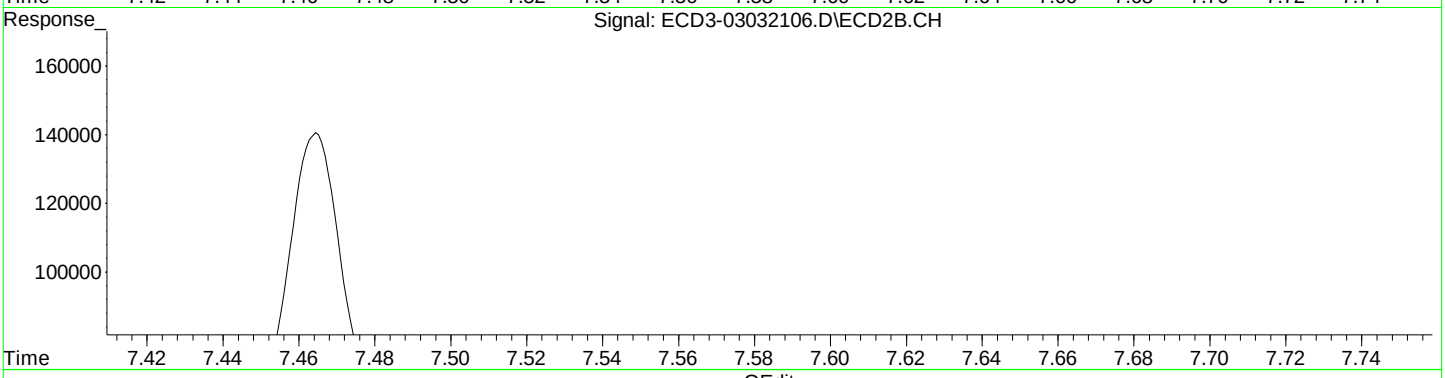
R = -4.77e+000 A*A + 2.04e+005 A + 3.26e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



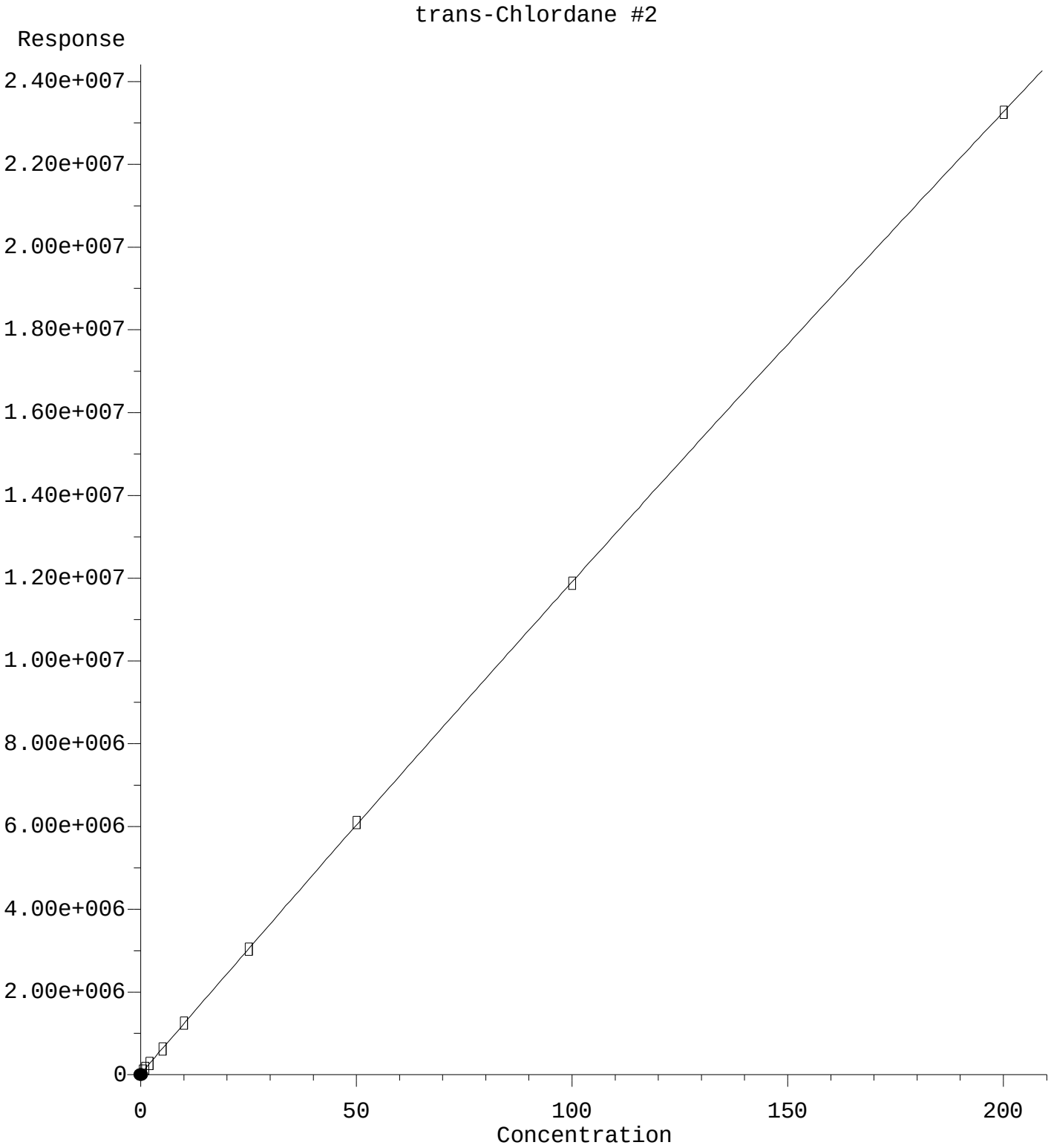


QEdit

(9) trans-Chlordane
~~7.559min 42734.669 ng/mL m~~
response ~~4838~~

(9) trans-Chlordane #2
8.040min 0.500 ng/mL
response 86950

(+) = Expected Retention Time

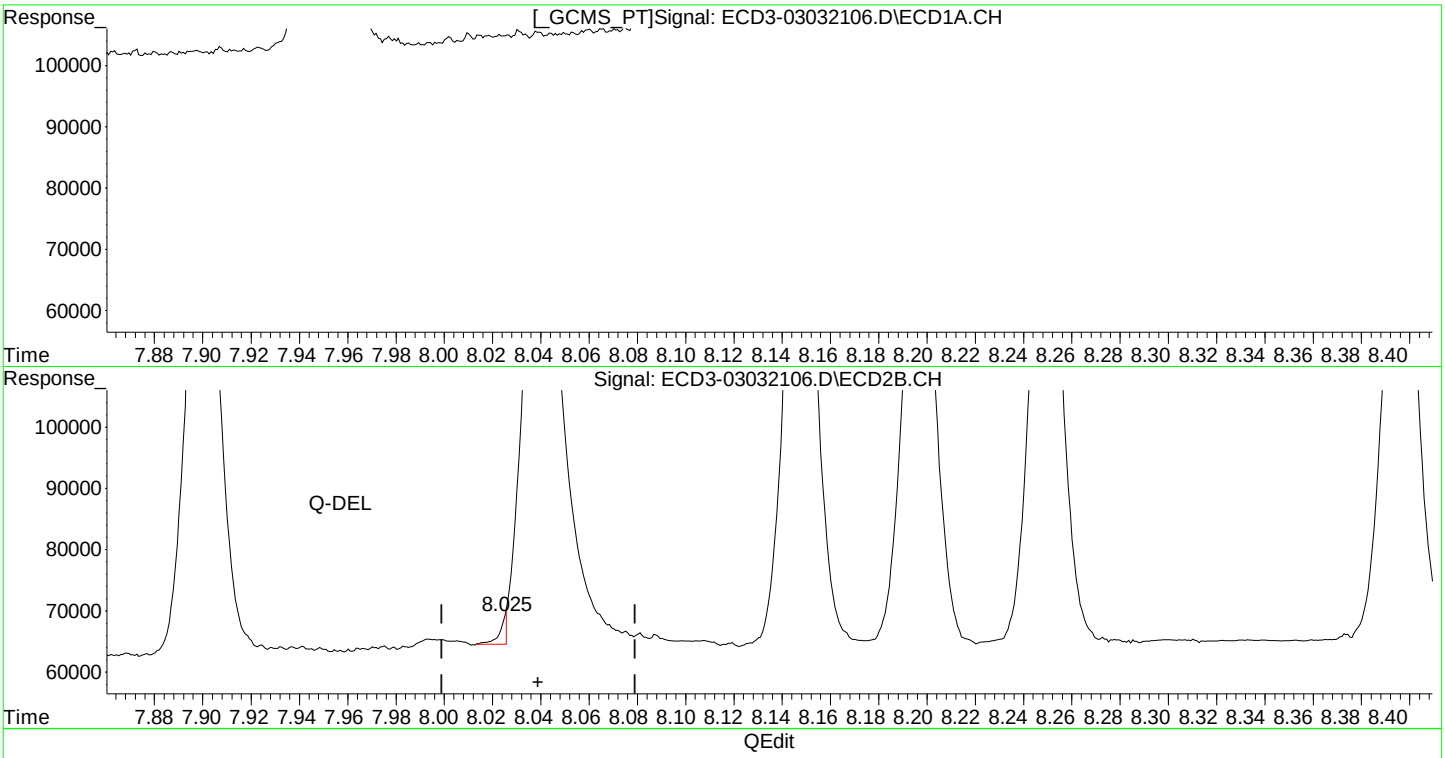


R = -2.60e+001 A*A + 1.21e+005 A + 2.62e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

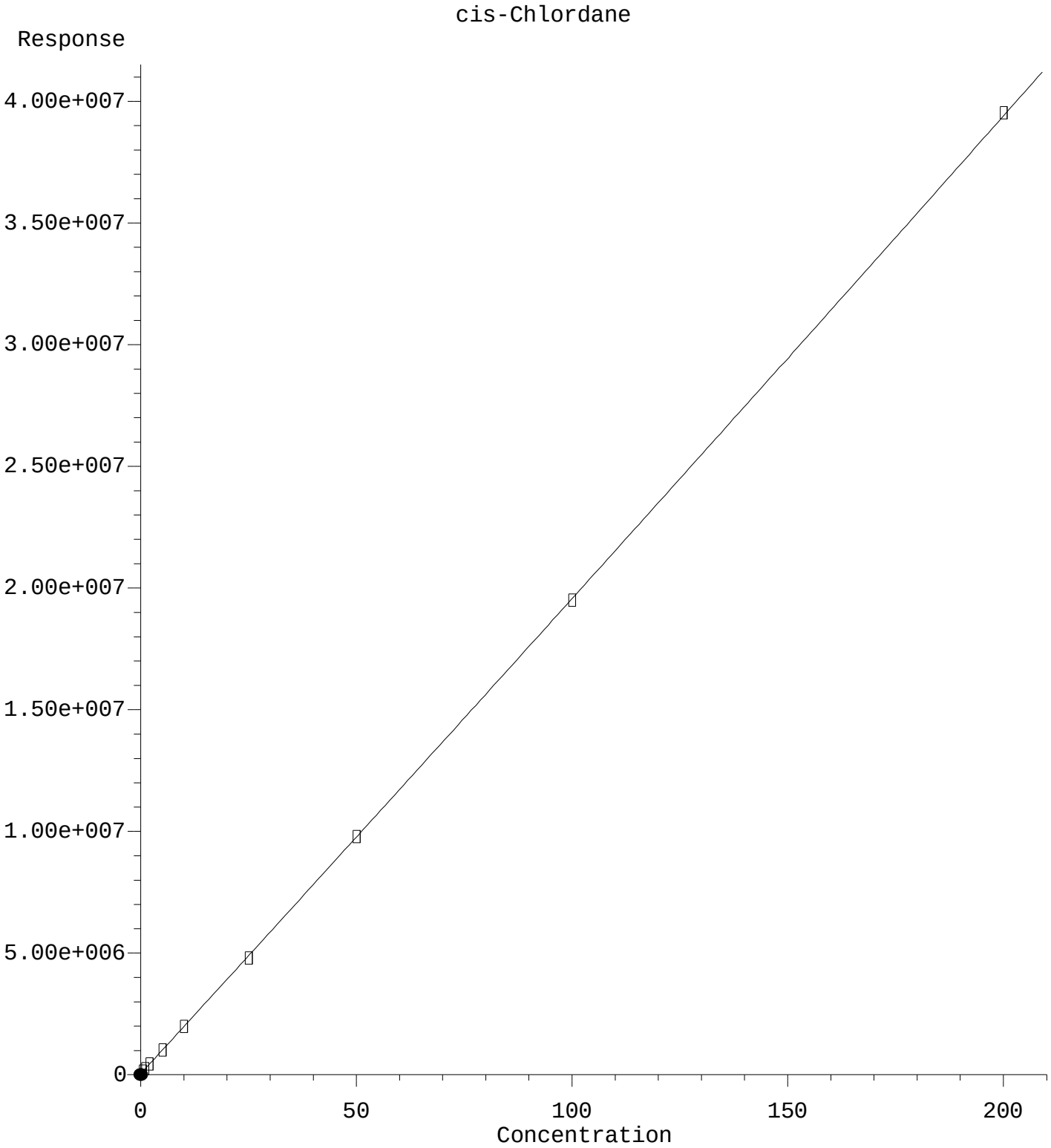
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(9) trans-Chlordane
7.559min 42734.669 ng/mL m
response 4838

(9) trans-Chlordane #2
~~8.025min~~ ~~4677.163 ng/mL m~~
response ~~4695~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:38:13 2021 Page: 1

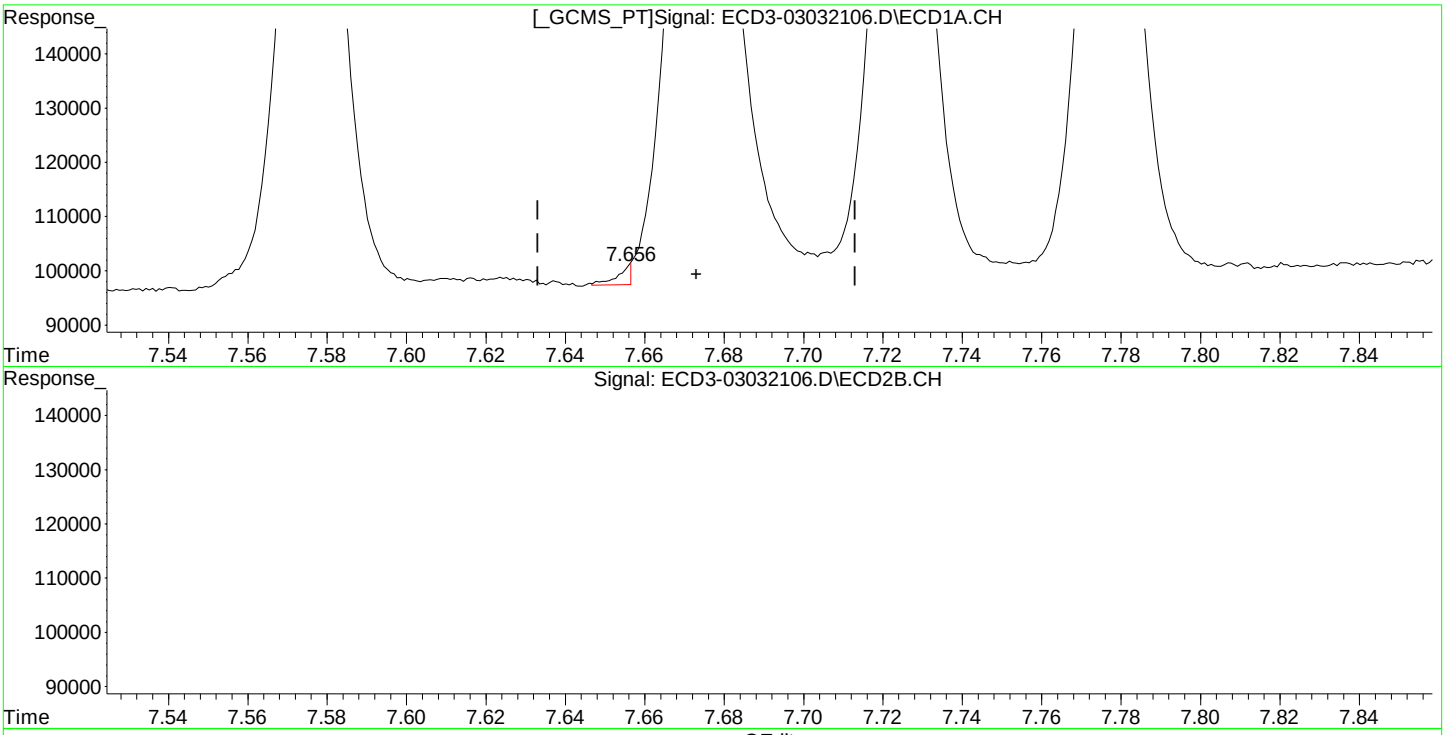


R = 1.67e+001 A*A + 1.93e+005 A + 5.15e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

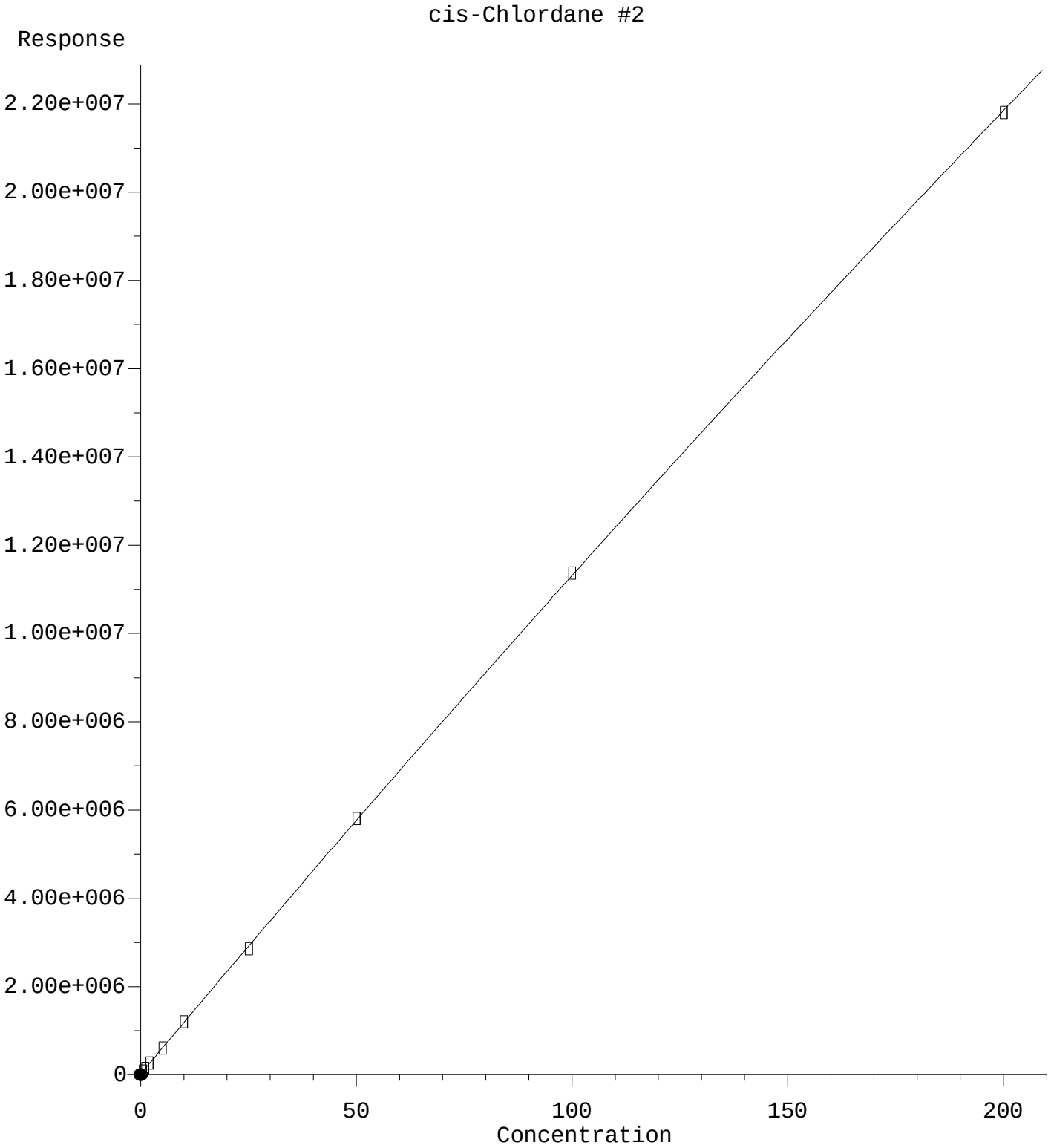
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(10) cis-Chlordane
7.656min -0.248 ng/mL m
response 3533

(10) cis-Chlordane #2
8.148min 0.500 ng/mL
response 84296

(+) = Expected Retention Time

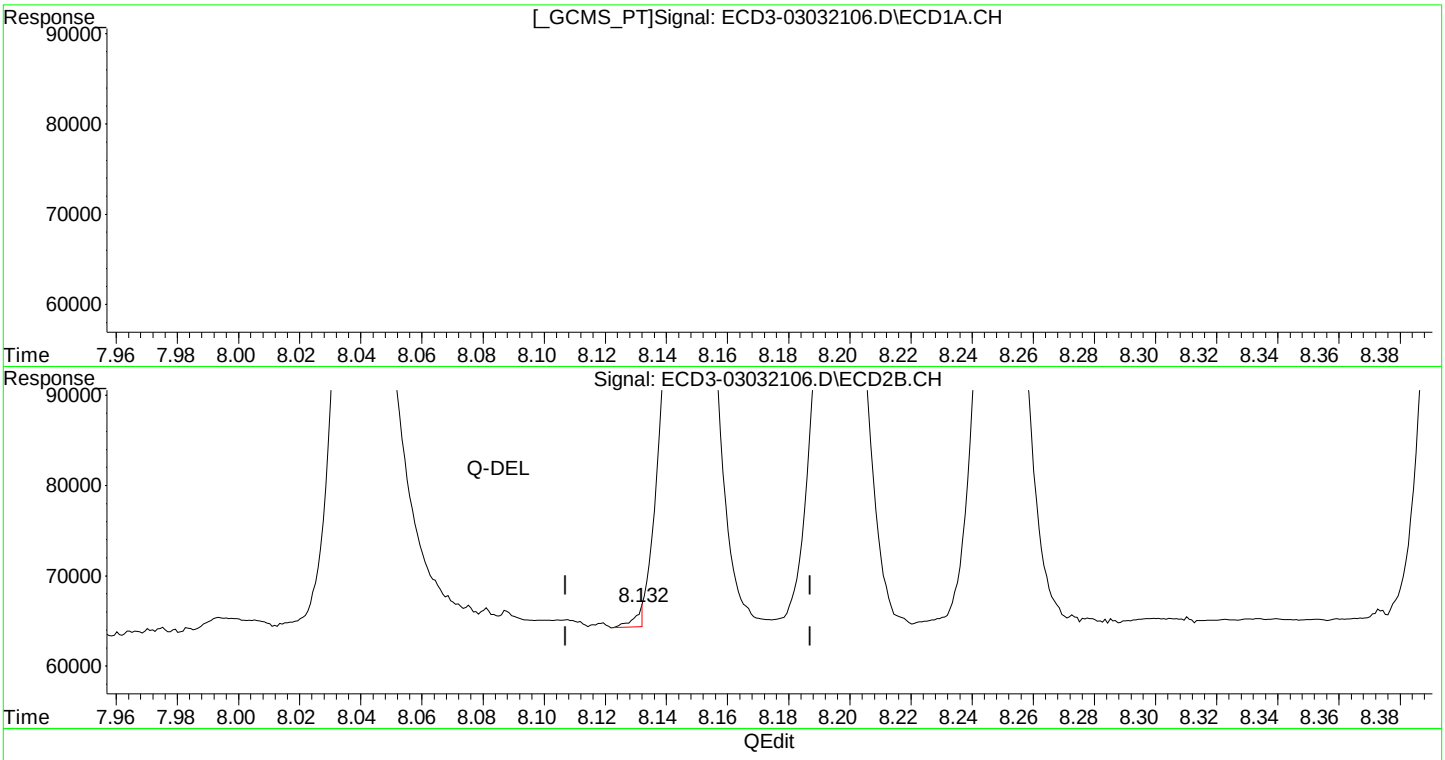


R = -3.73e+001 A*A + 1.17e+005 A + 2.60e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

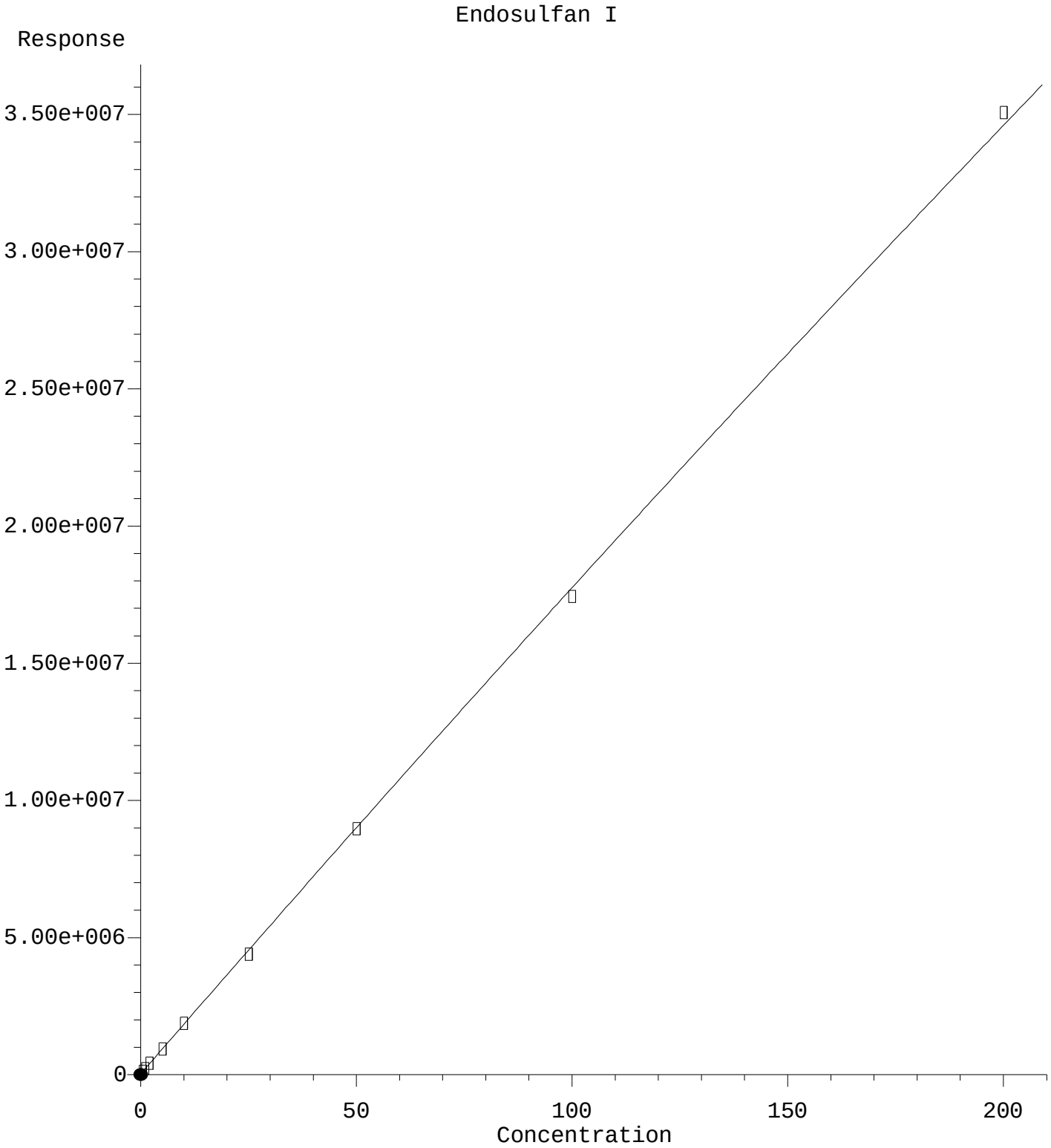
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(10) cis-Chlordane
7.656min -0.248 ng/mL m
response 3533

(10) cis-Chlordane #2
~~8.132min~~ ~~3124.888 ng/mL m~~
response ~~2239~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:38:37 2021 Page: 1

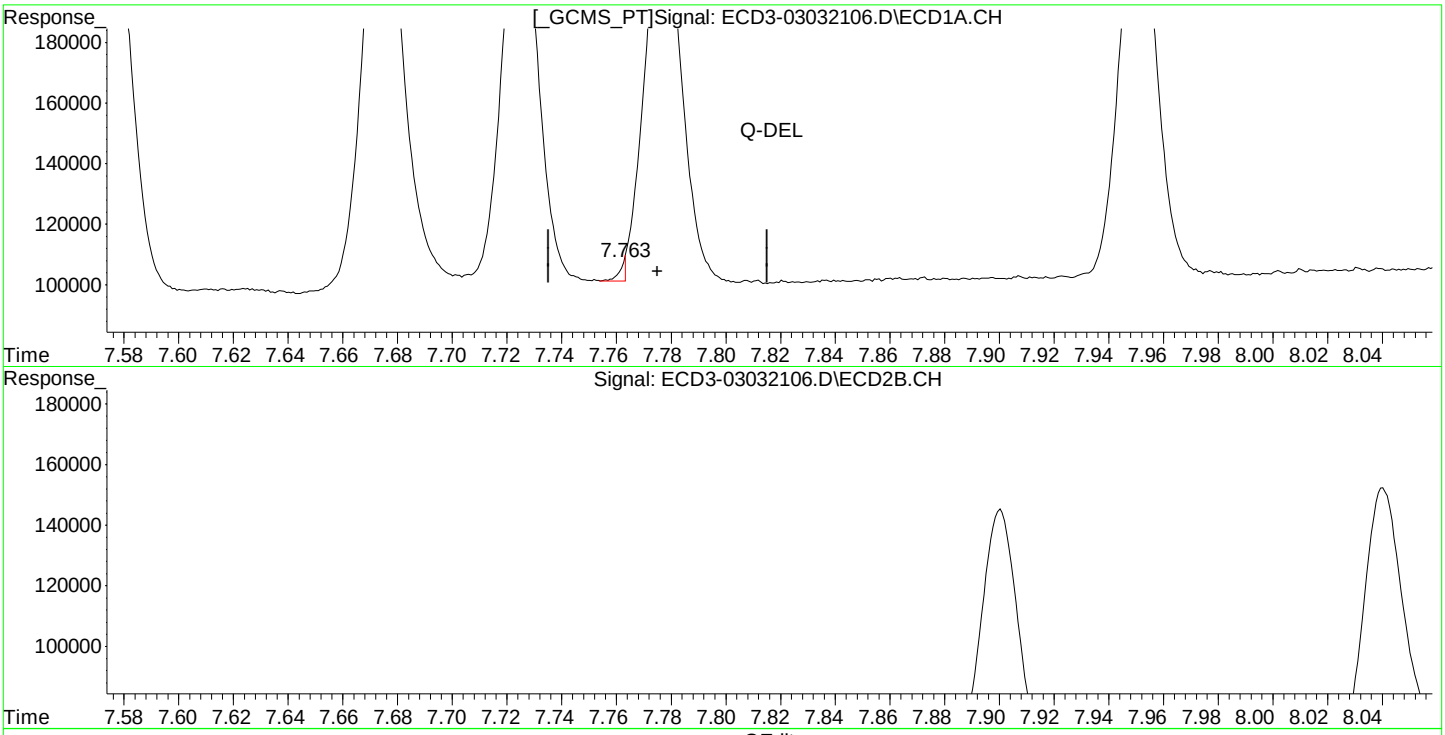


R = -4.28e+001 A*A + 1.81e+005 A + 3.72e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(11) Endosulfan I

~~7.763min 4235.572 ng/mL m~~

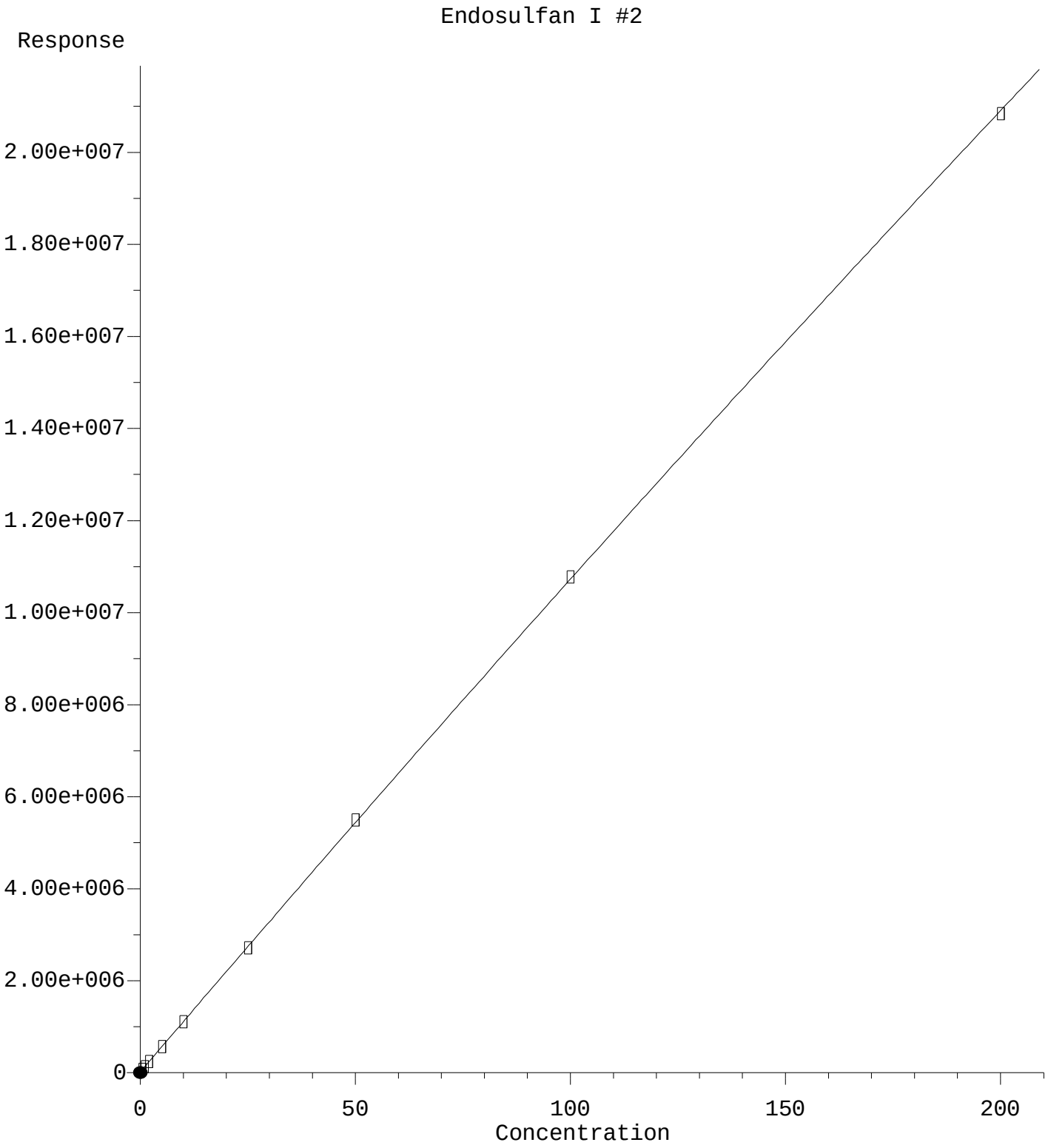
response ~~6303~~

(11) Endosulfan I #2

8.197min 0.499 ng/mL

response 76329

(+) = Expected Retention Time

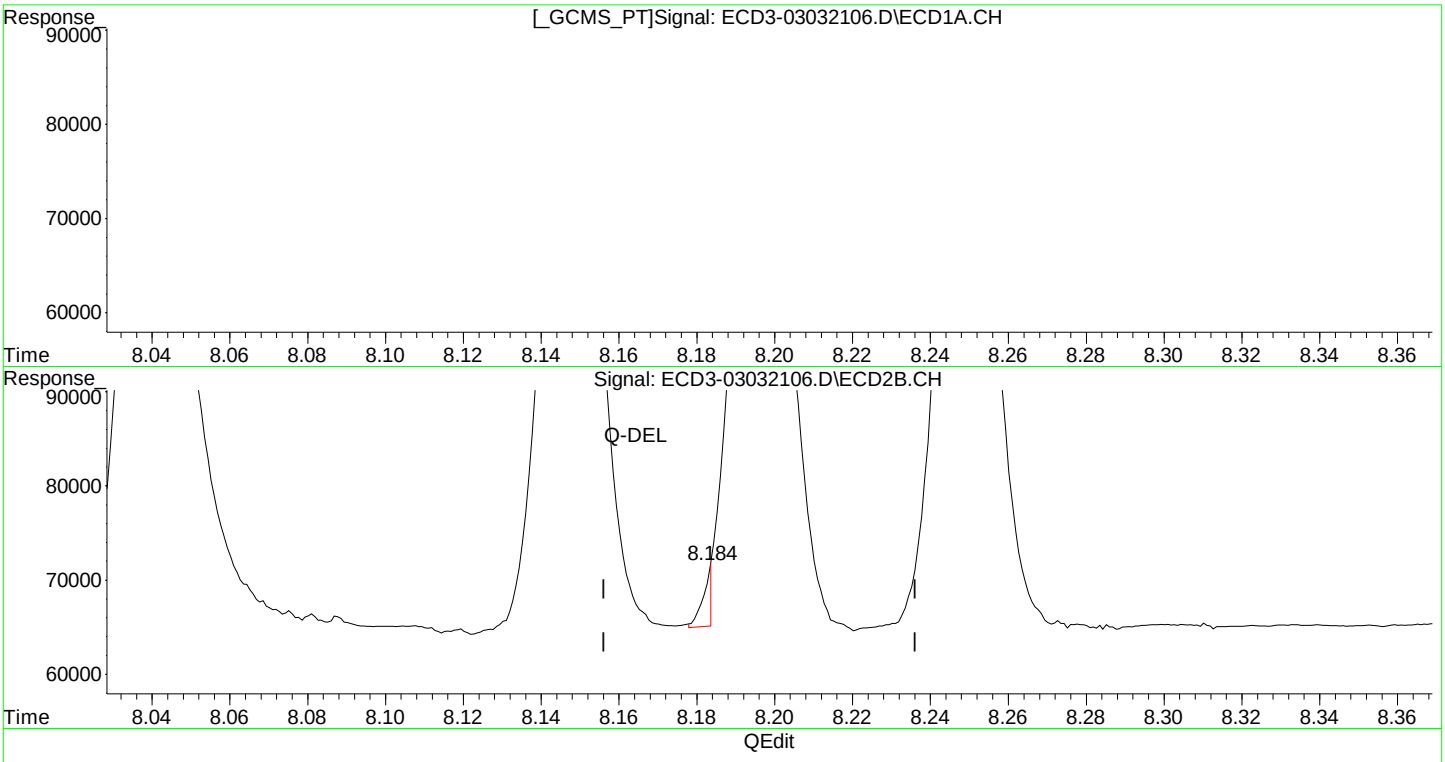


R = -2.57e+001 A*A + 1.10e+005 A + 2.16e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

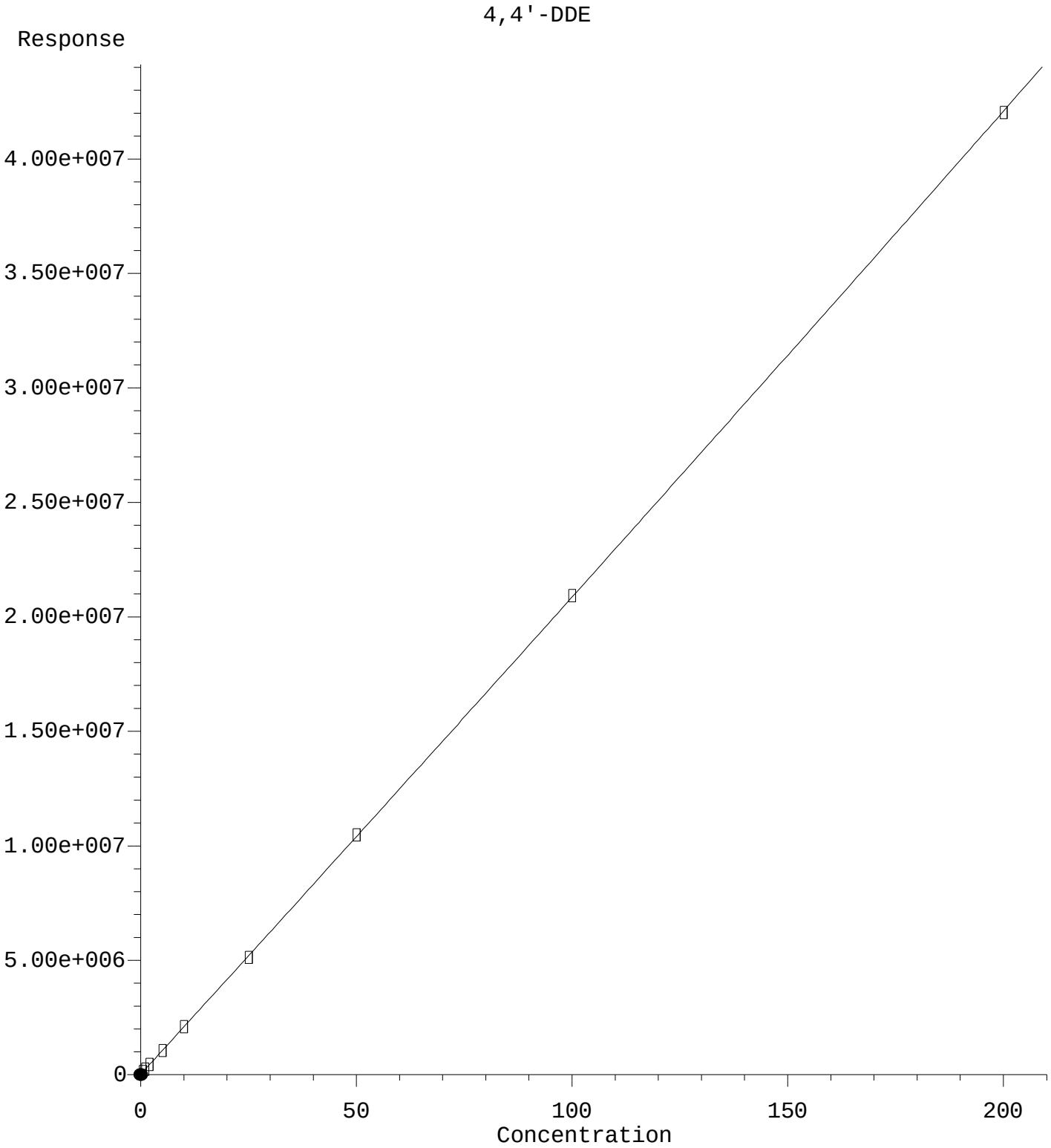
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(11) Endosulfan I
7.763min 4235.572 ng/mL m
response 6303

(11) Endosulfan I #2
~~8.184min~~ ~~4263.123 ng/mL m~~
response ~~6512~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:39:06 2021 Page: 1

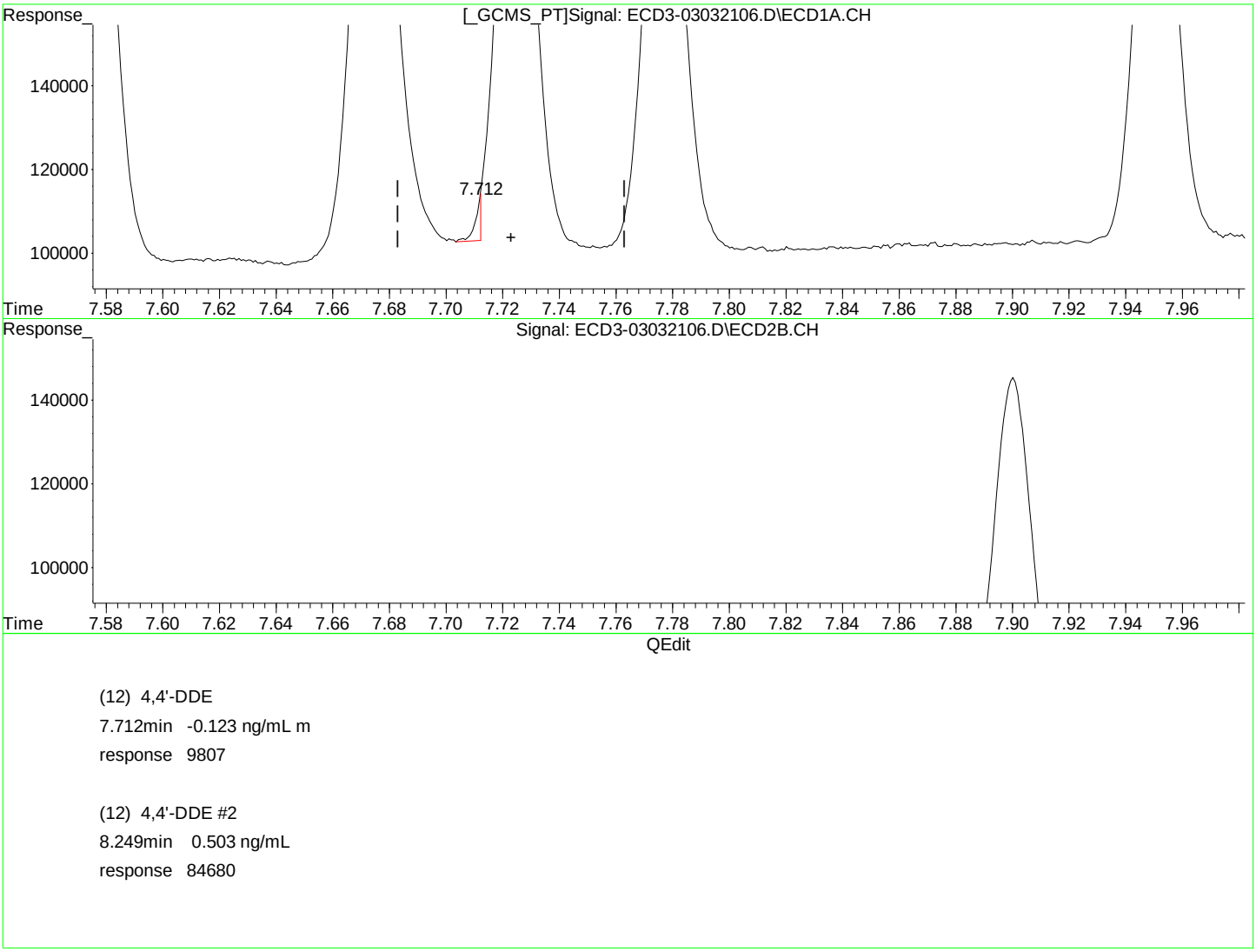


R = 2.07e+001 A*A + 2.06e+005 A + 3.51e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

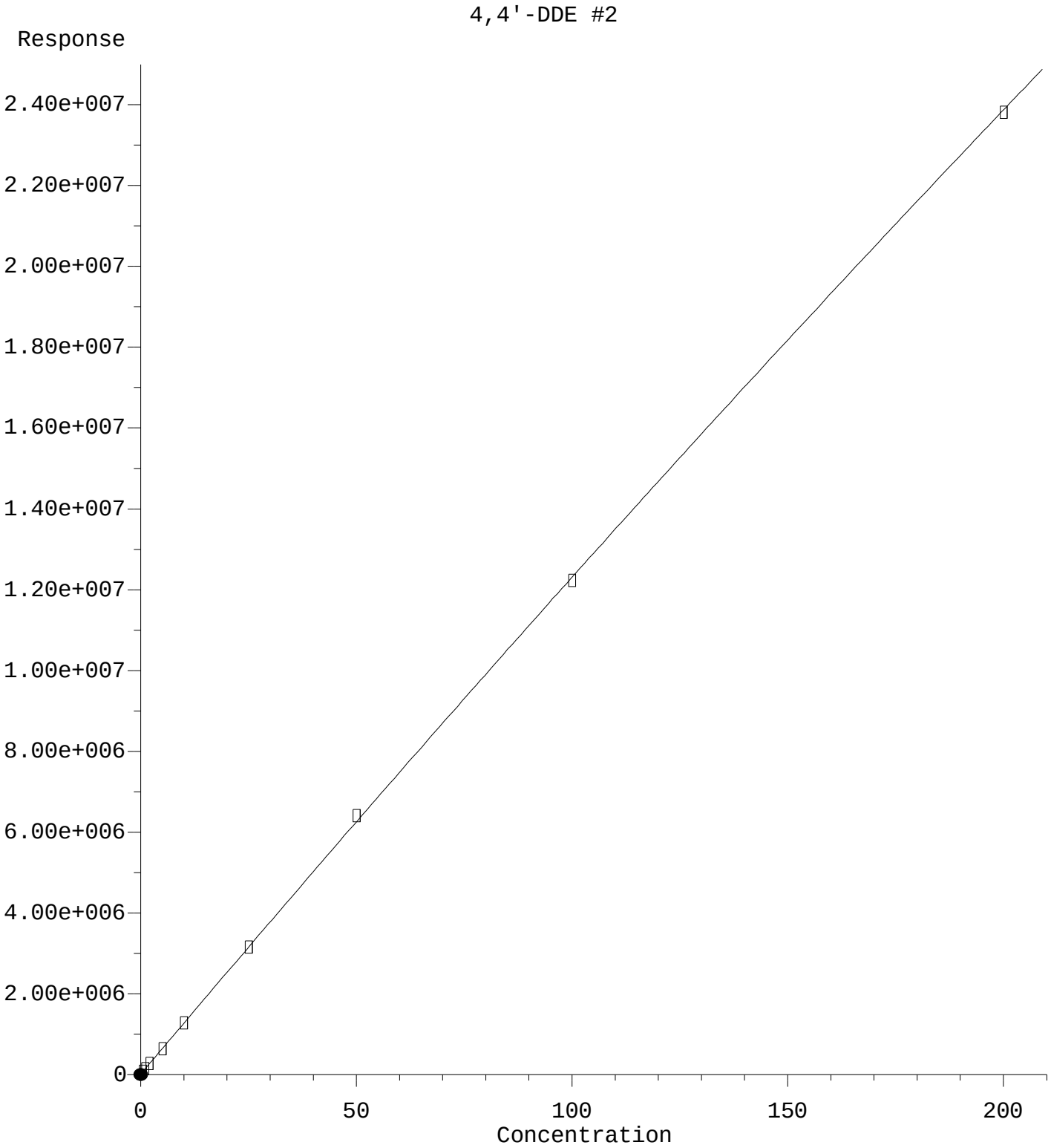
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.712min -0.123 ng/mL m
response 9807

(12) 4,4'-DDE #2
8.249min 0.503 ng/mL
response 84680

(+) = Expected Retention Time

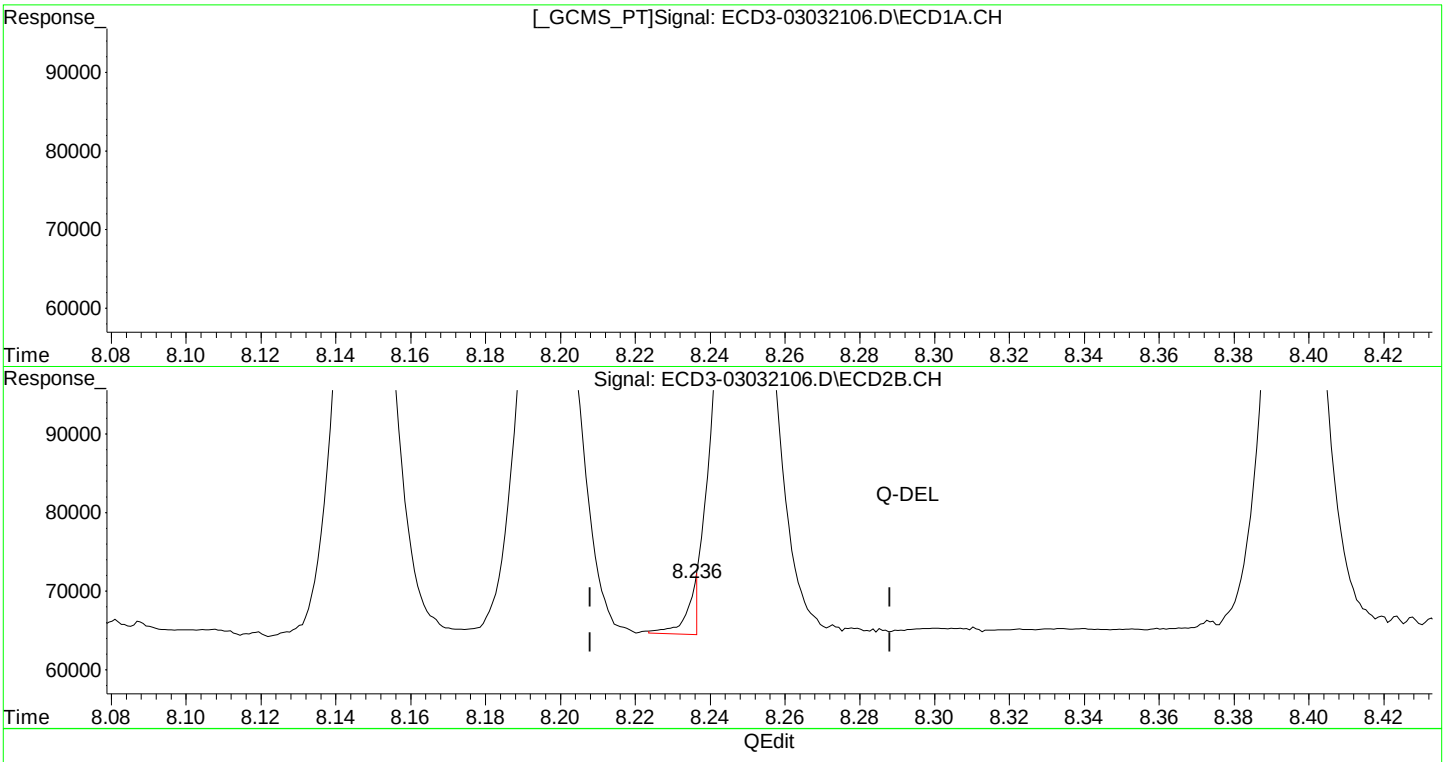


R = -3.60e+001 A*A + 1.26e+005 A + 2.11e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

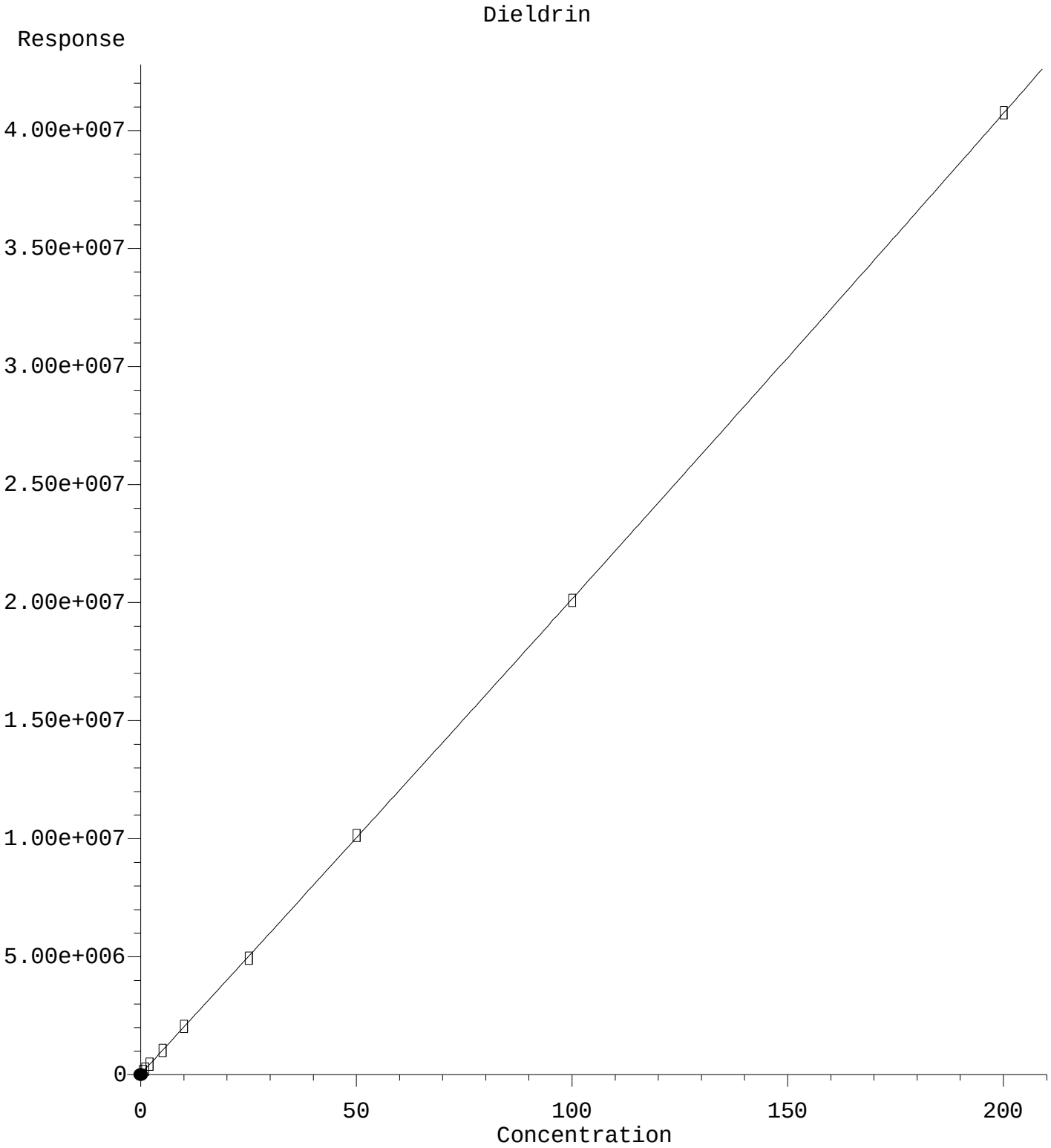
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.712min -0.123 ng/mL m
response 9807

(12) 4,4'-DDE #2
~~8.236min~~ ~~3509.562 ng/mL m~~
response ~~6597~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:39:37 2021 Page: 1

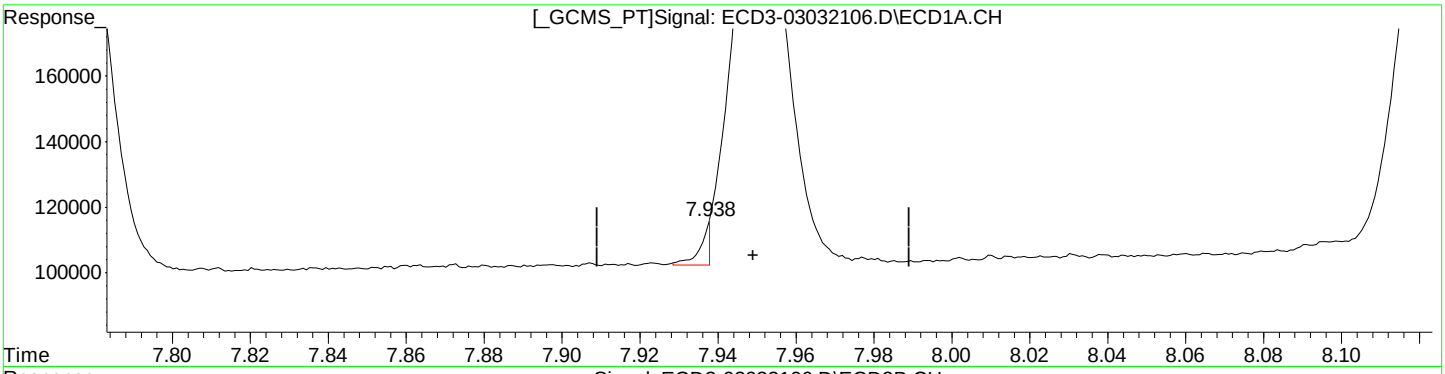


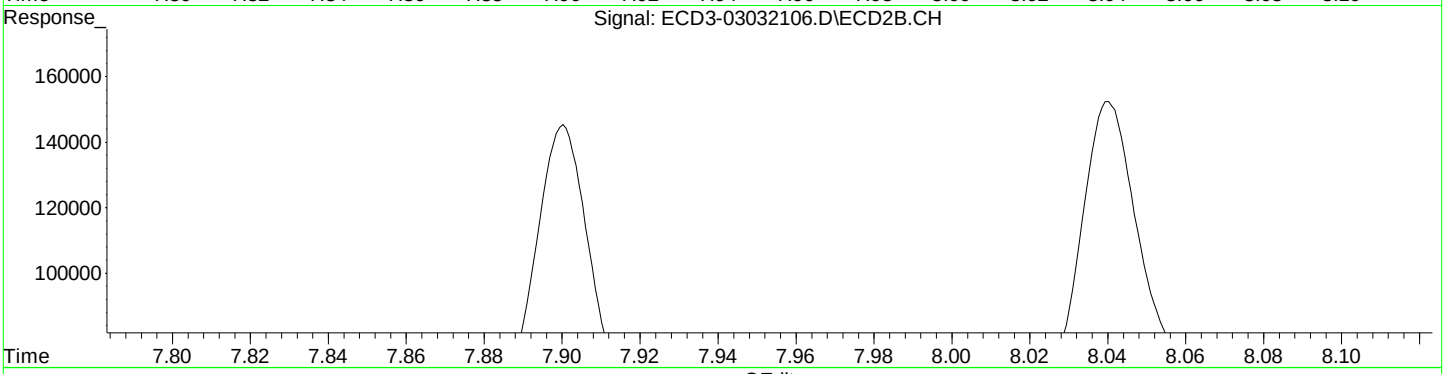
R = 2.32e+001 A*A + 1.99e+005 A + 3.72e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



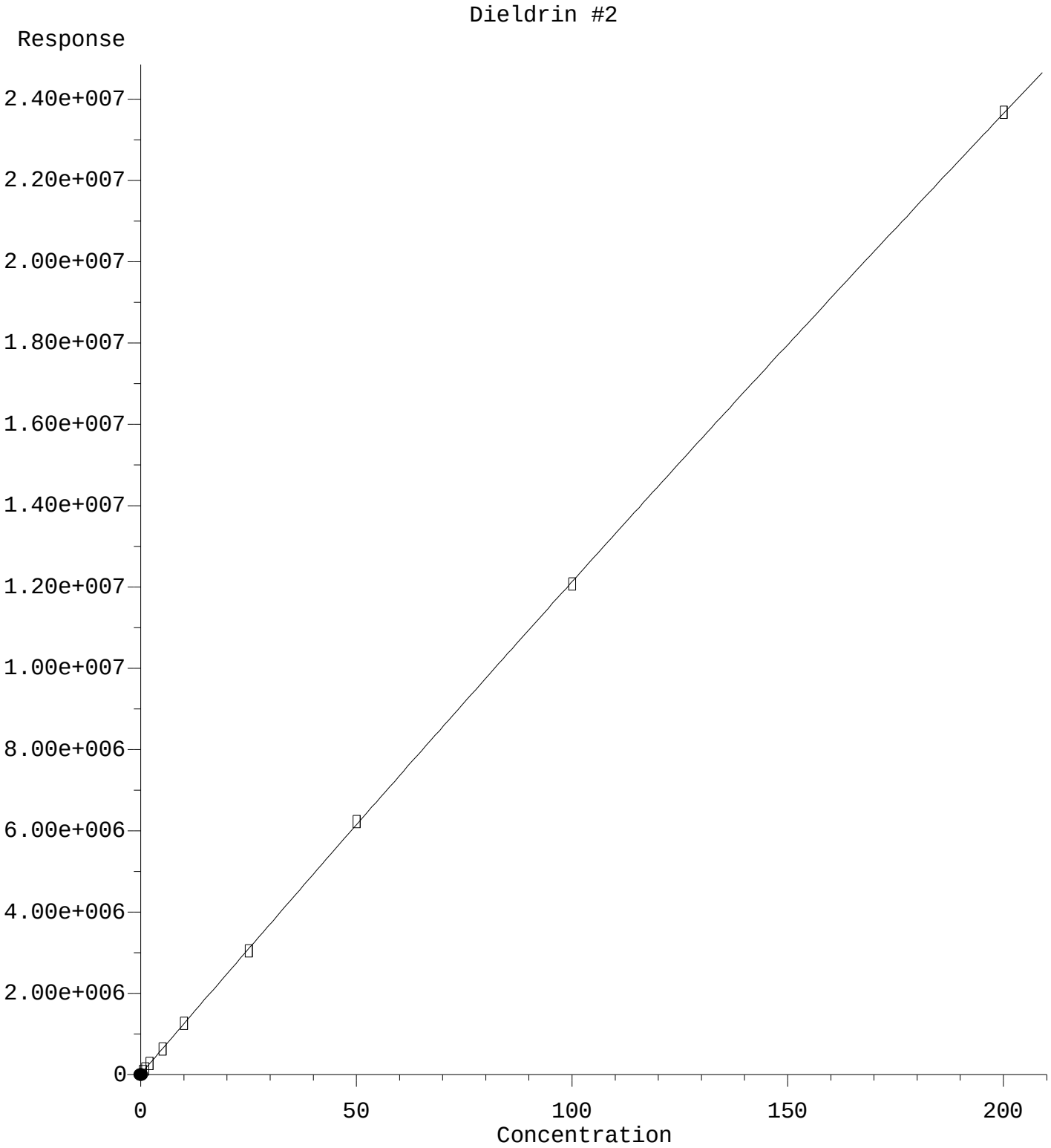


QEdit

(13) Dieldrin
7.938min -0.119 ng/mL m
response 13458

(13) Dieldrin #2
8.396min 0.499 ng/mL
response 81126

(+) = Expected Retention Time

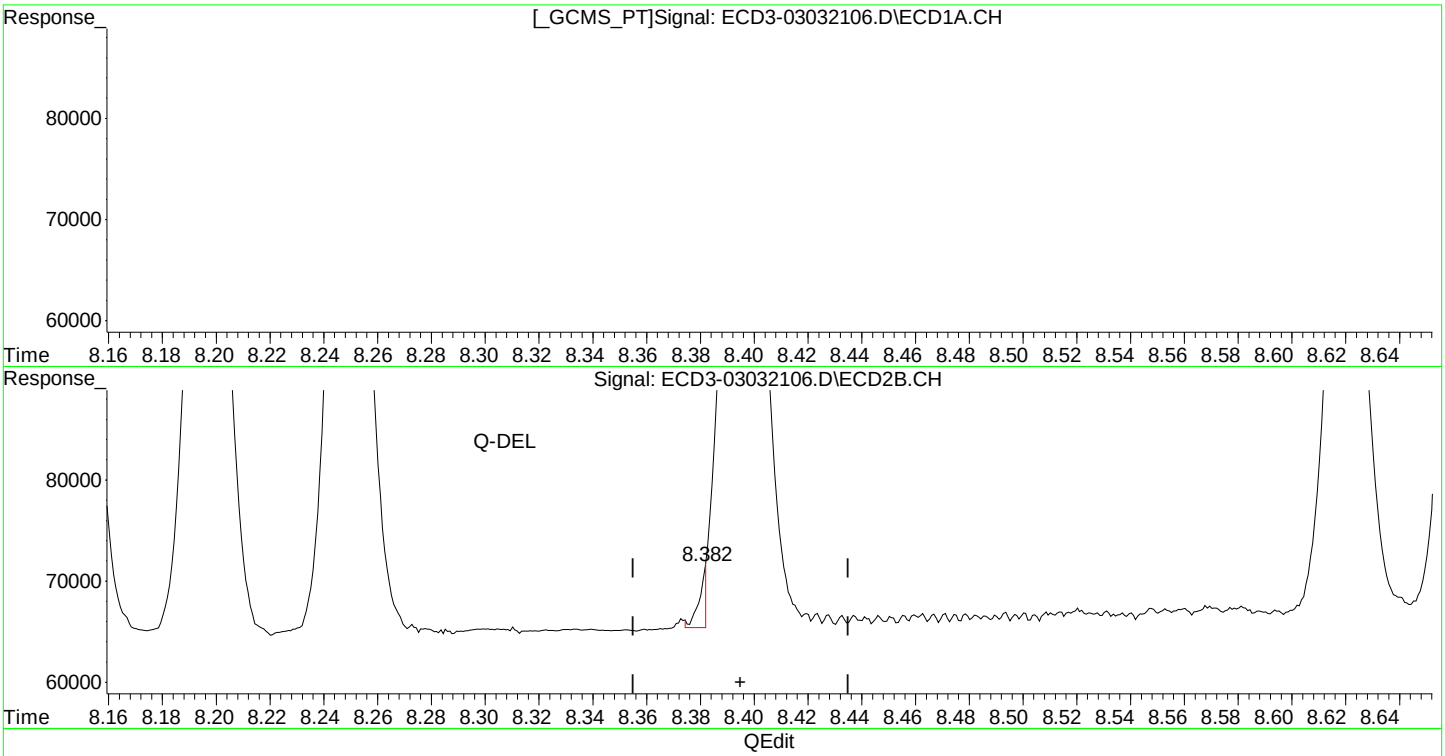


R = -2.94e+001 A*A + 1.24e+005 A + 1.92e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Mar 2021 13:40
Operator : MJB
Sample   : 1C03049-CAL1
Misc   : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

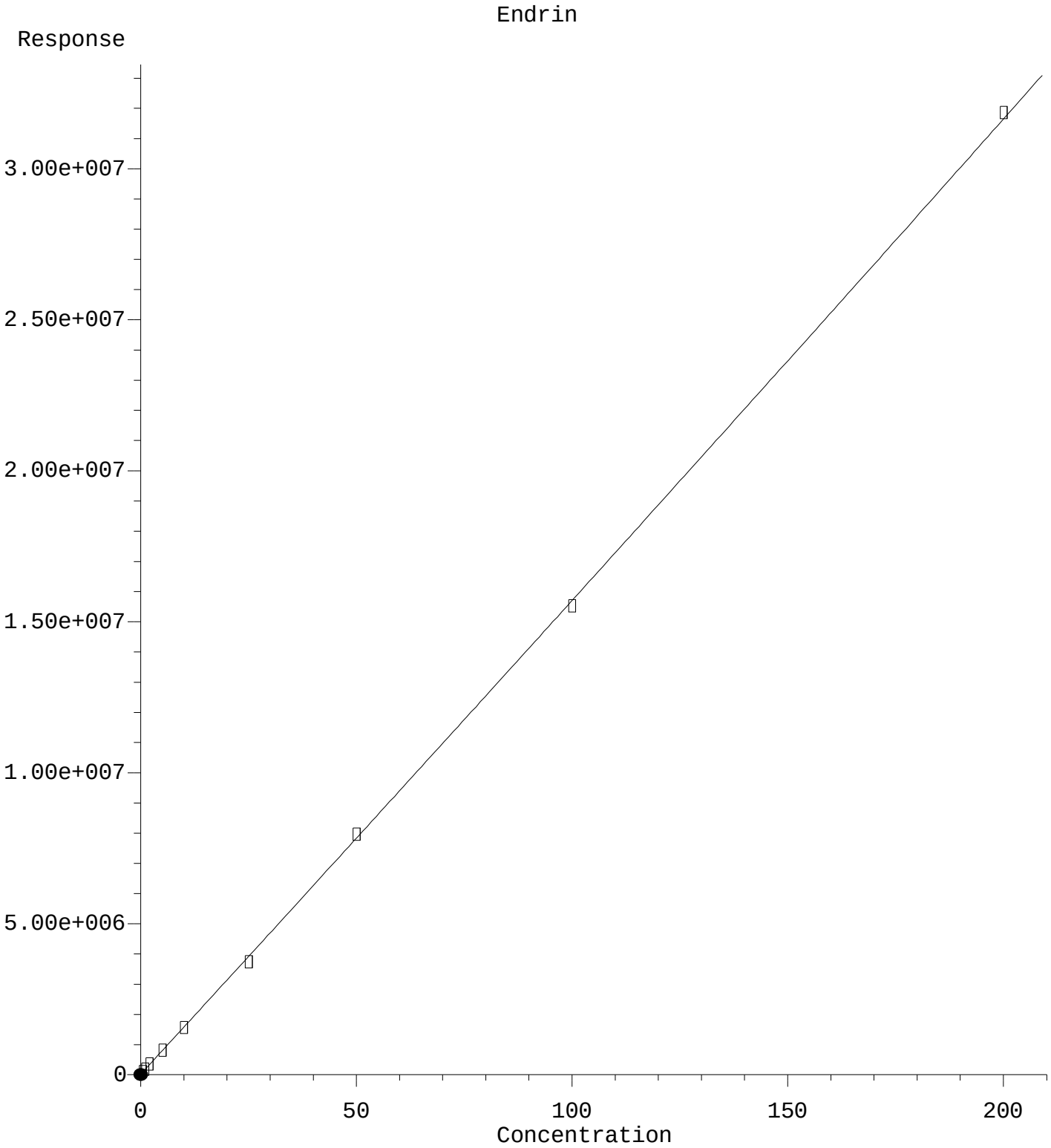


QEdit

(13) Dieldrin
7.938min -0.119 ng/mL m
response 13458

(13) Dieldrin #2
~~8.382min~~ ~~4223.046 ng/mL m~~
response ~~6123~~

(+) = Expected Retention Time

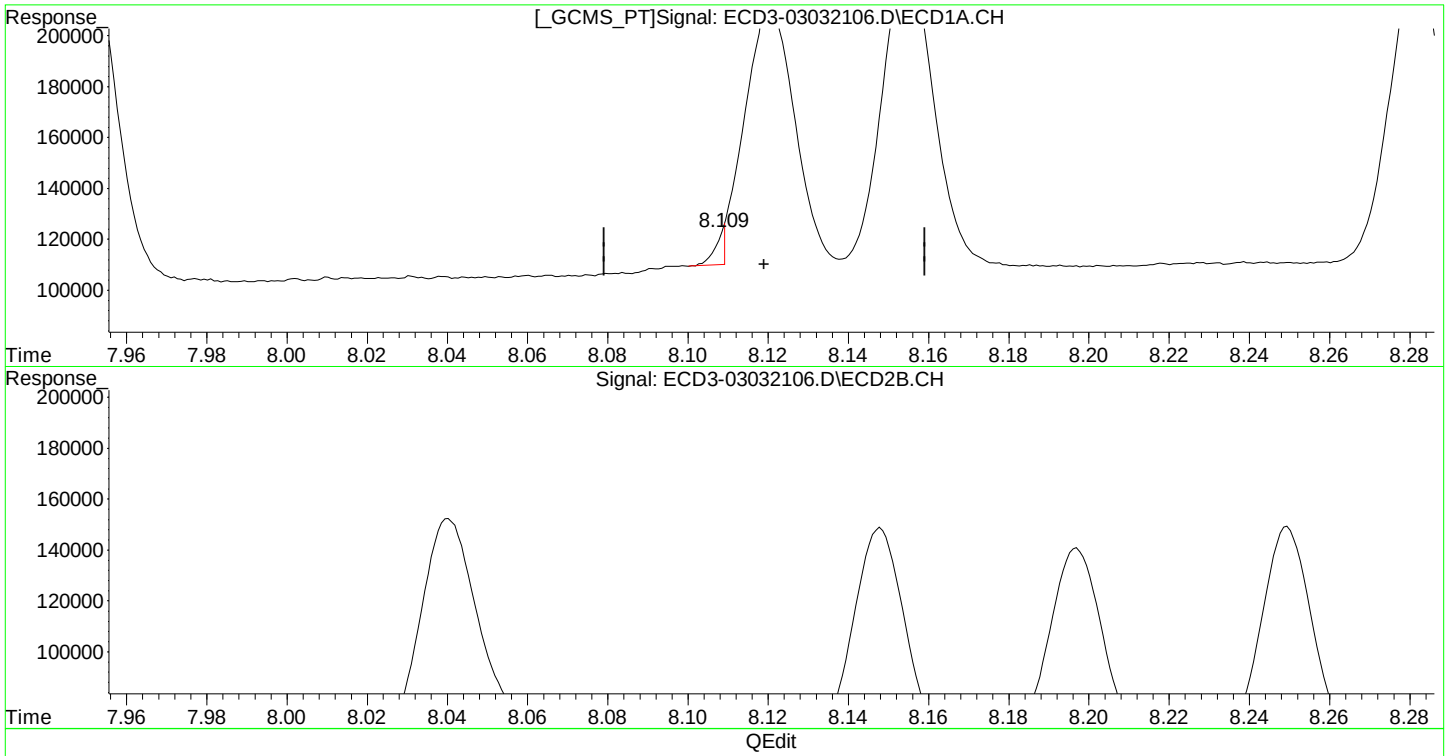


R = 1.39e+001 A*A + 1.55e+005 A + 2.77e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Mar 2021 13:40
Operator : MJB
Sample   : 1C03049-CAL1
Misc   : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

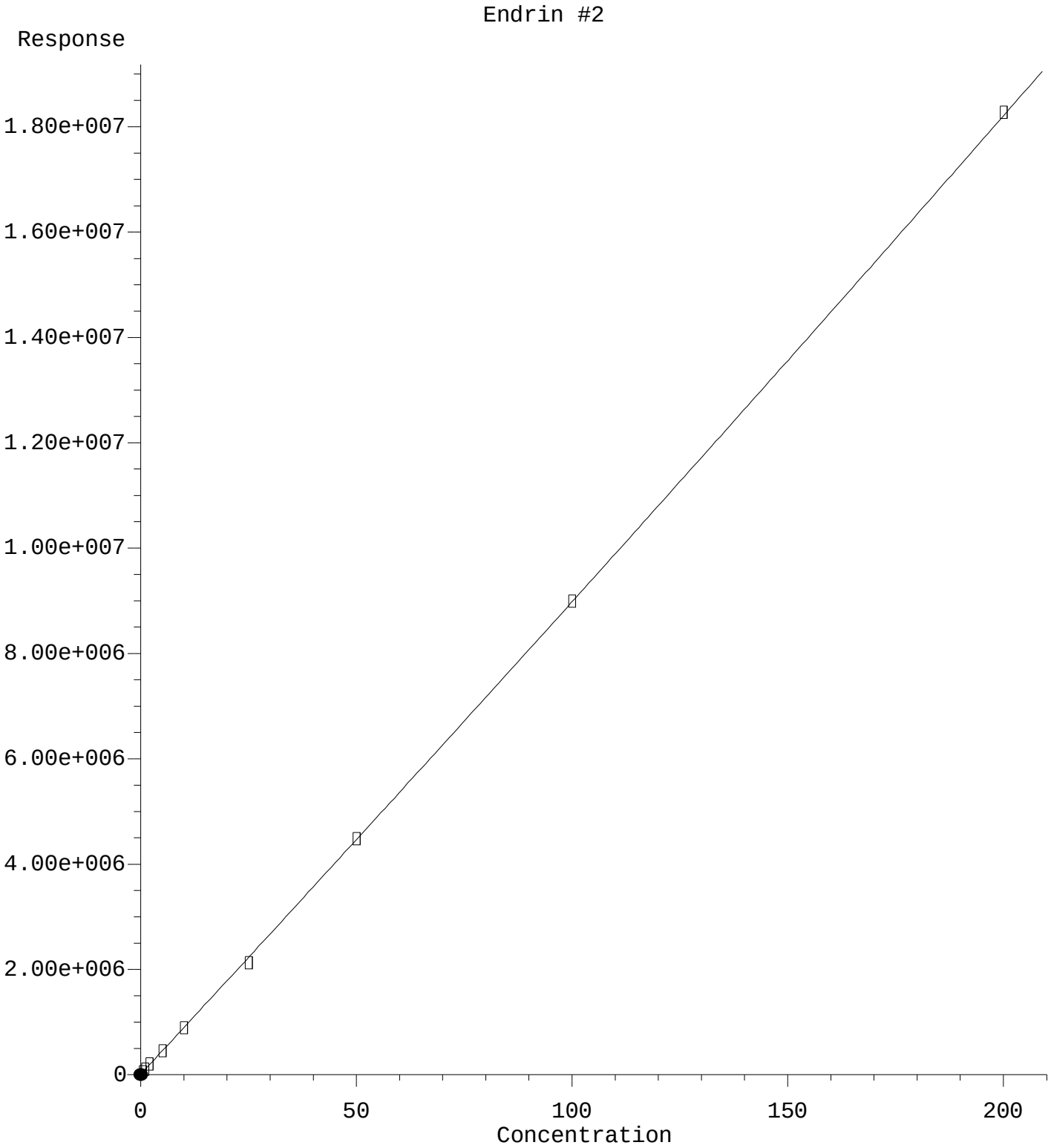
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



(14) Endrin
8.108min -0.095 ng/mL m
response 12999

(14) Endrin #2
8.621min 0.494 ng/mL
response 58438

(+) = Expected Retention Time

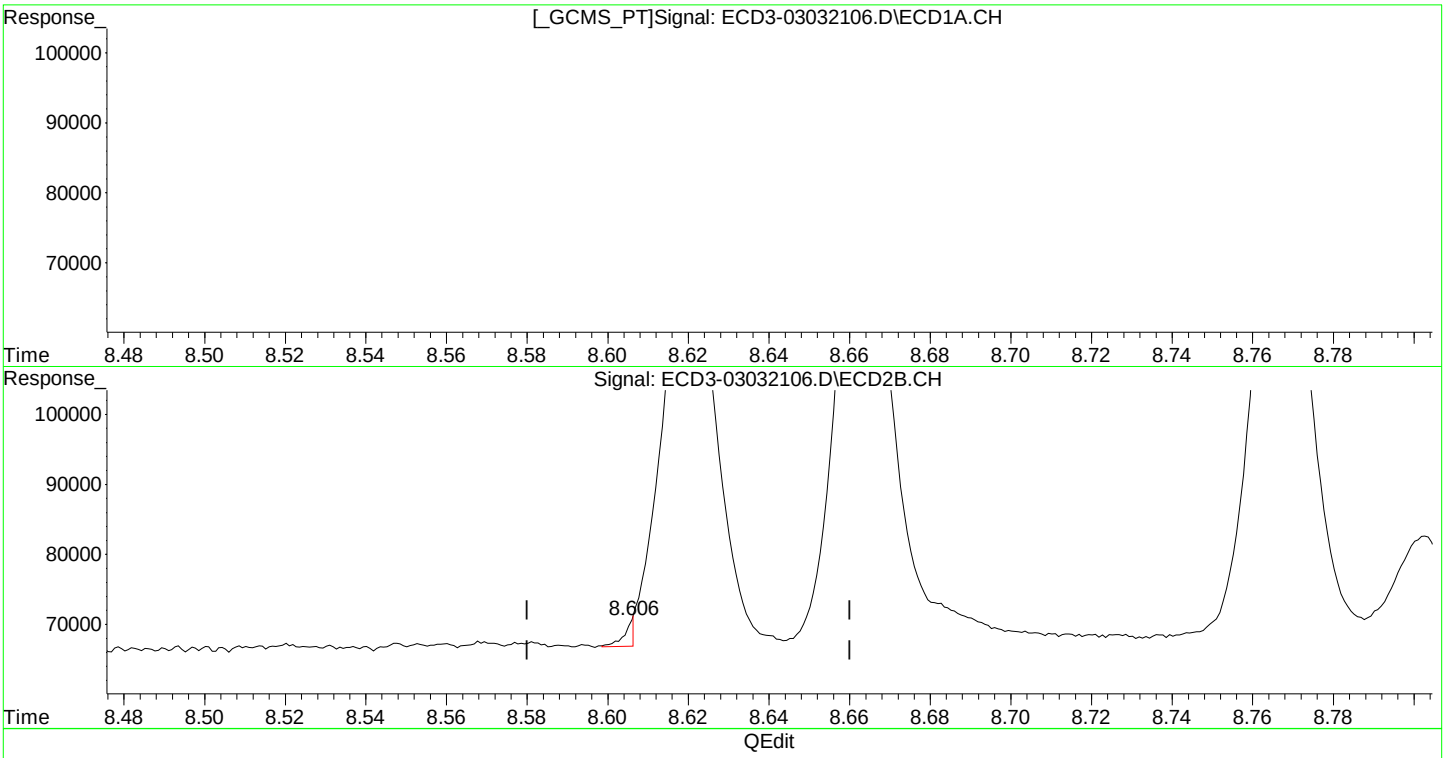


R = 1.34e+001 A*A + 8.83e+004 A + 1.48e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

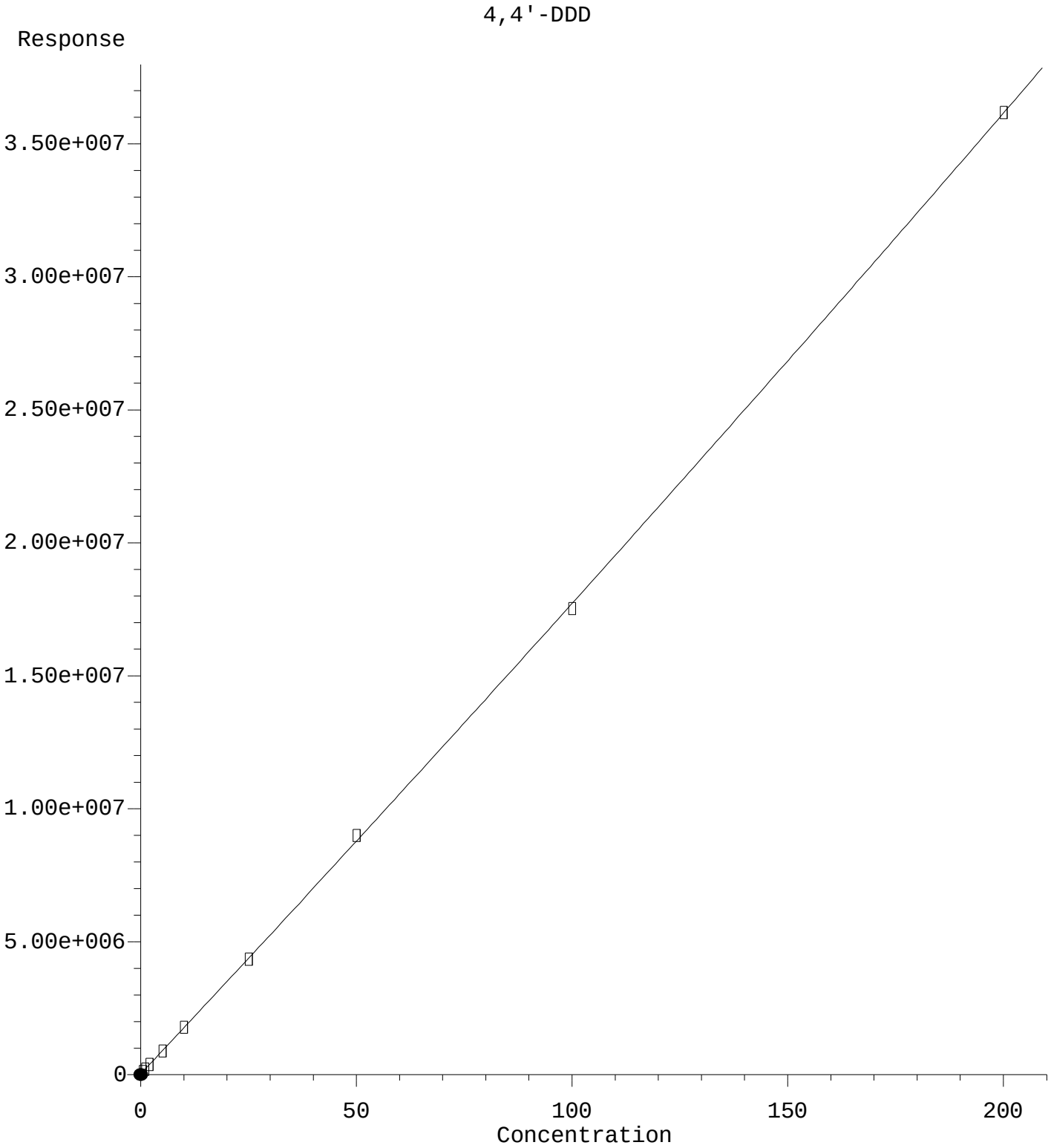
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(14) Endrin
8.108min -0.095 ng/mL m
response 12999

(14) Endrin #2
8.606min -0.125 ng/mL m
response 3749

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:40:23 2021 Page: 1

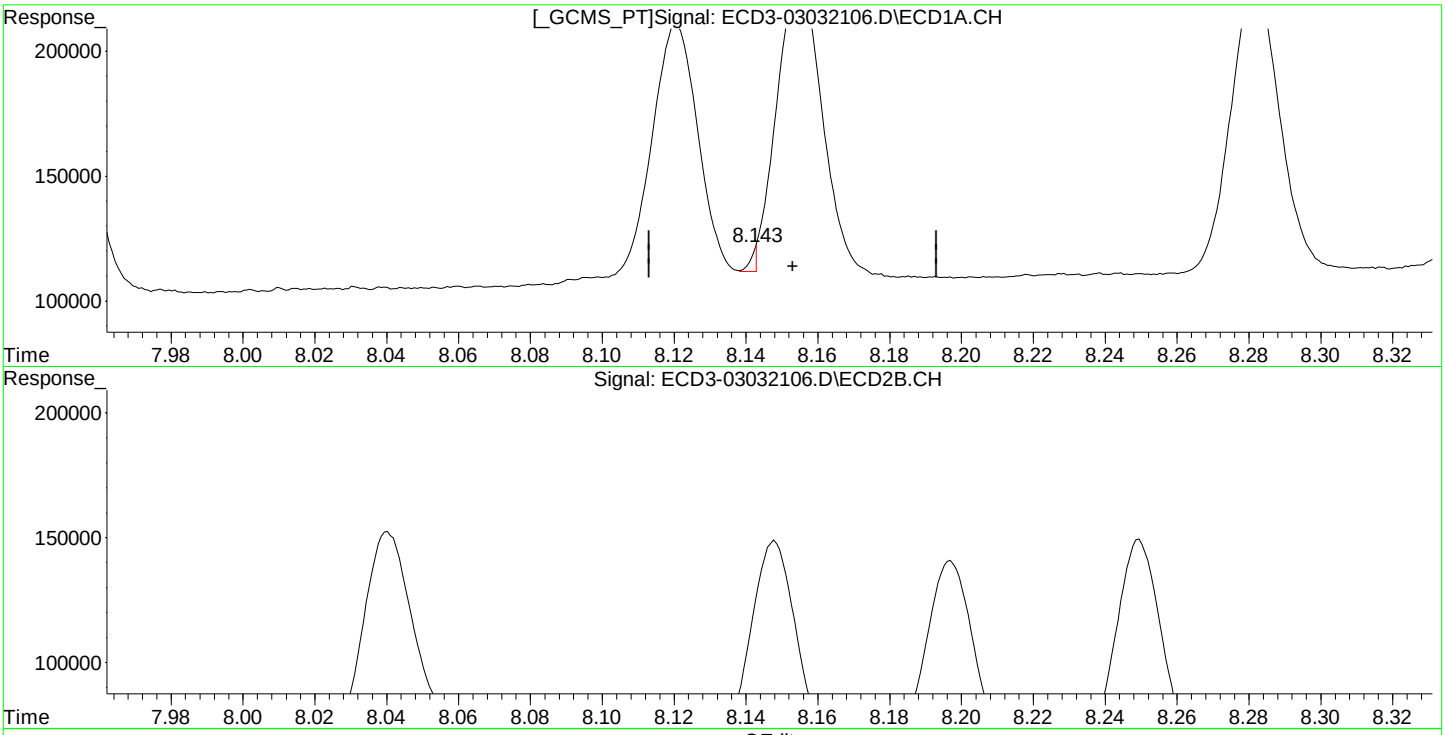


R = 3.83e+001 A*A + 1.73e+005 A + 3.62e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

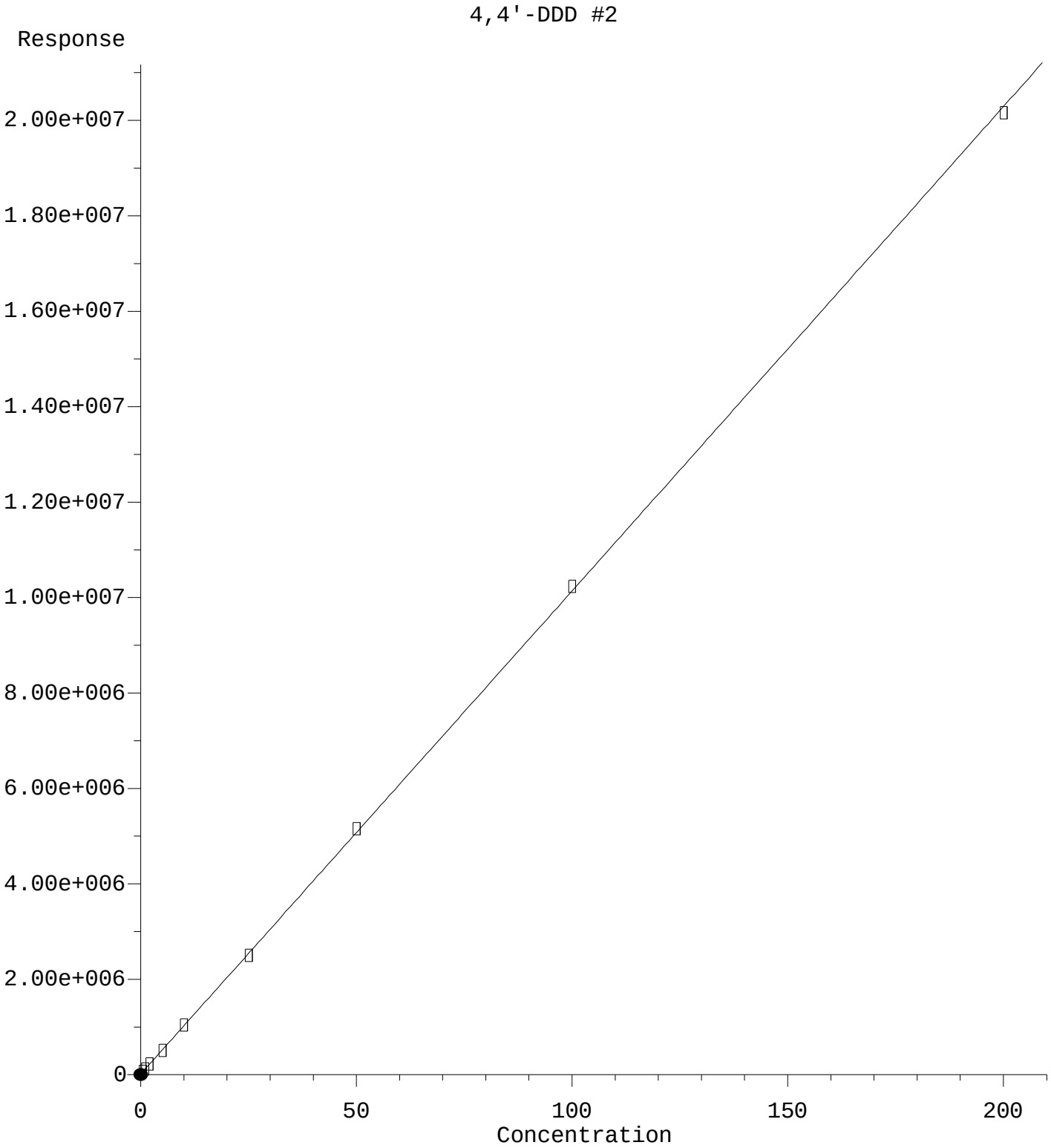
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
8.143min -0.151 ng/mL m
response 10002

(15) 4,4'-DDD #2
8.664min 0.499 ng/mL
response 71038

(+) = Expected Retention Time

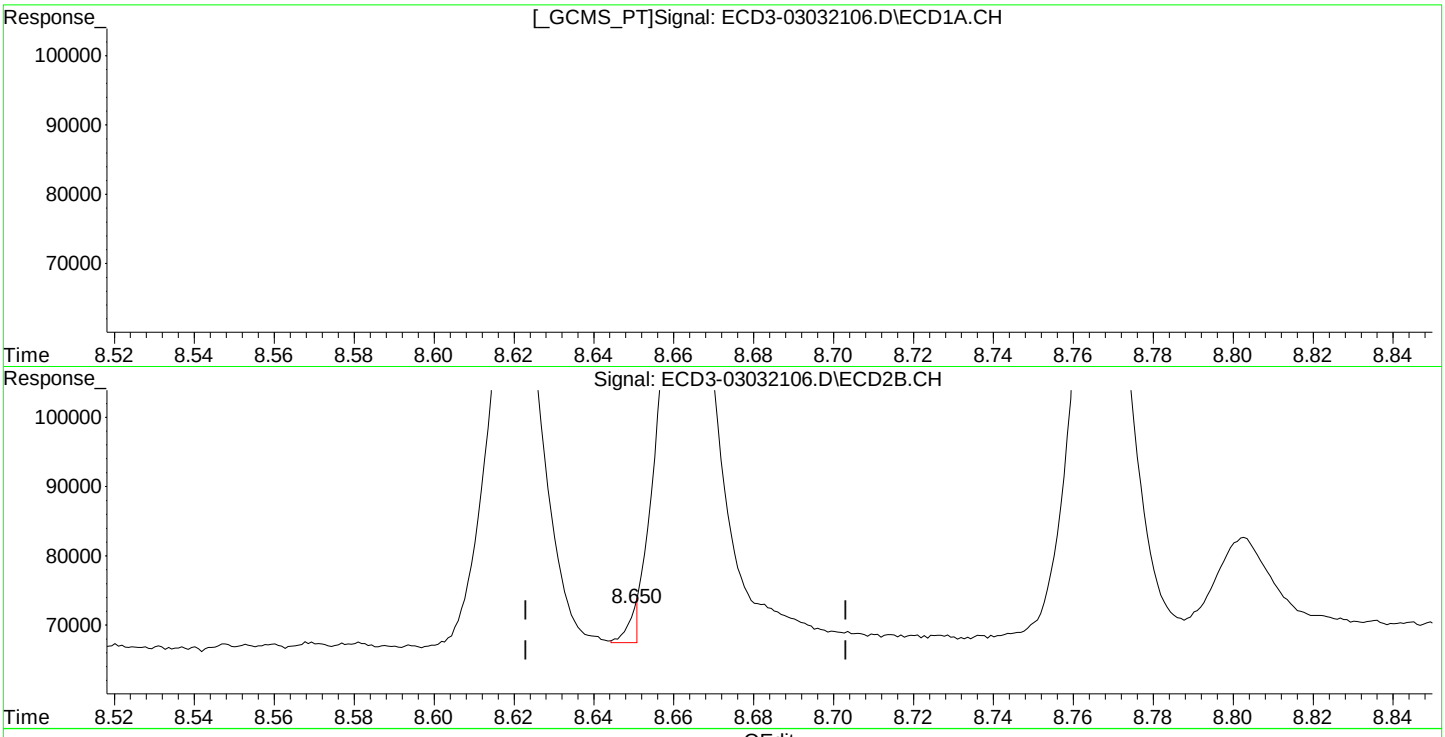


R = 1.99e+000 A*A + 1.01e+005 A + 2.06e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

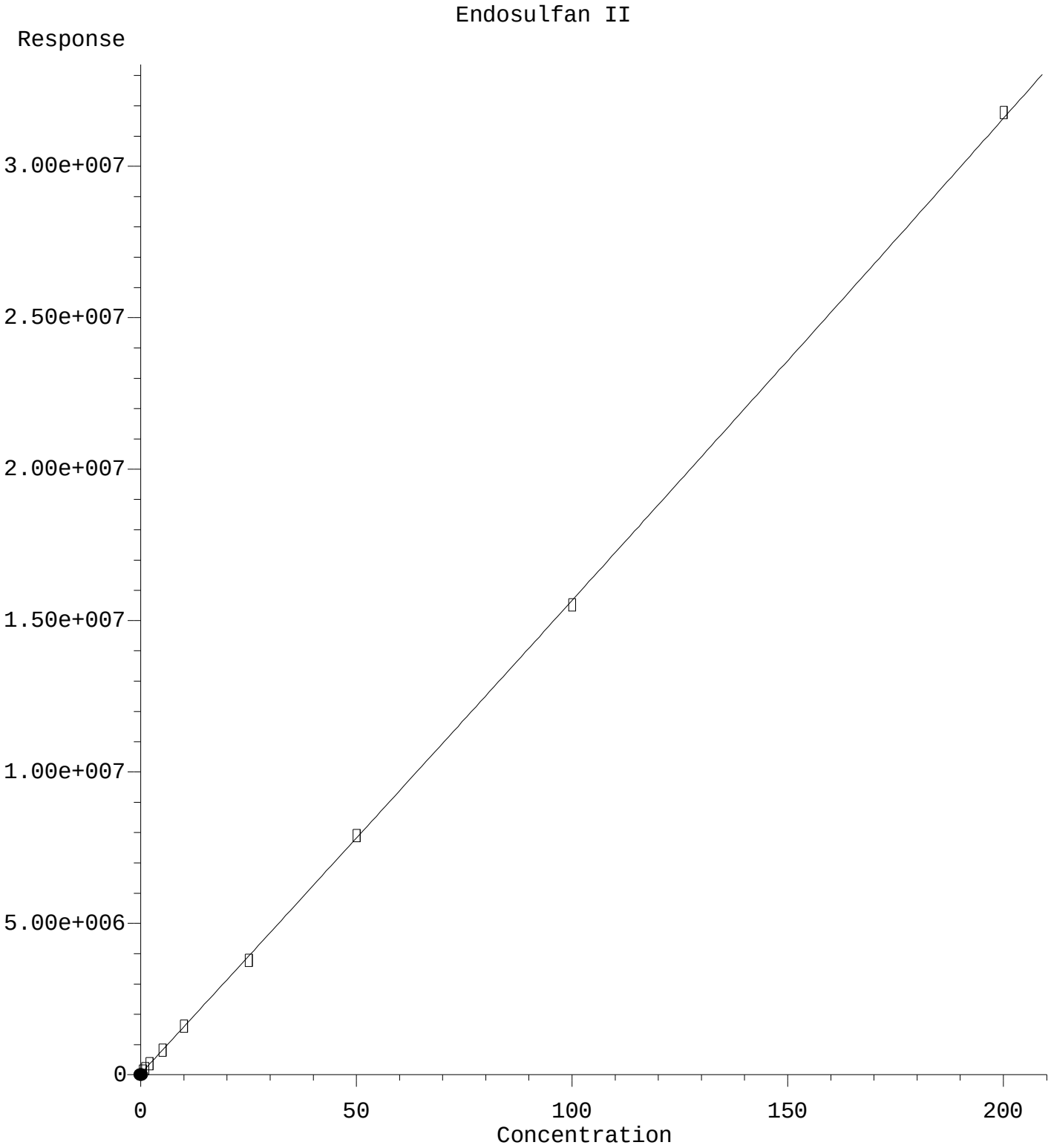
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
8.143min -0.151 ng/mL m
response 10002

(15) 4,4'-DDD #2
8.650min -0.155 ng/mL m
response 5036

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:40:47 2021 Page: 1

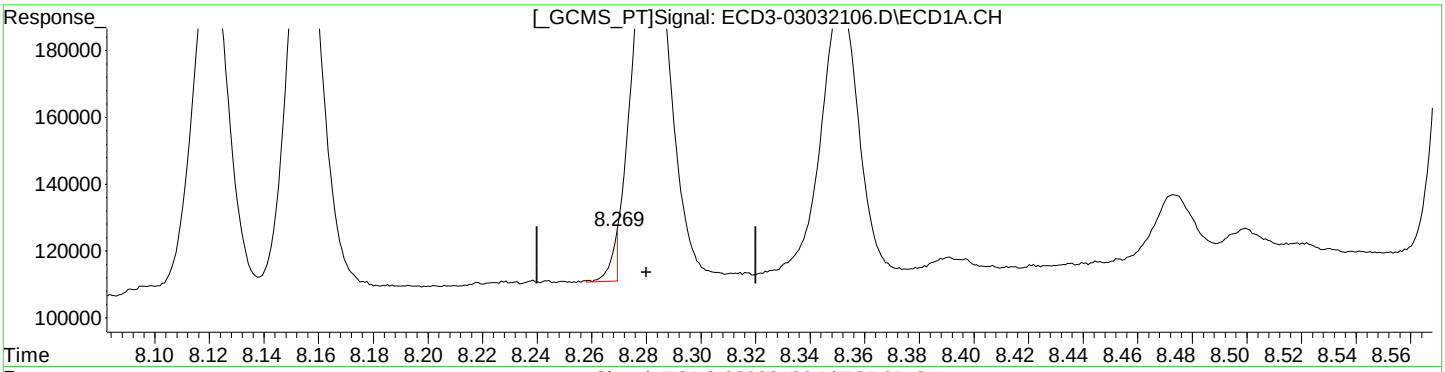


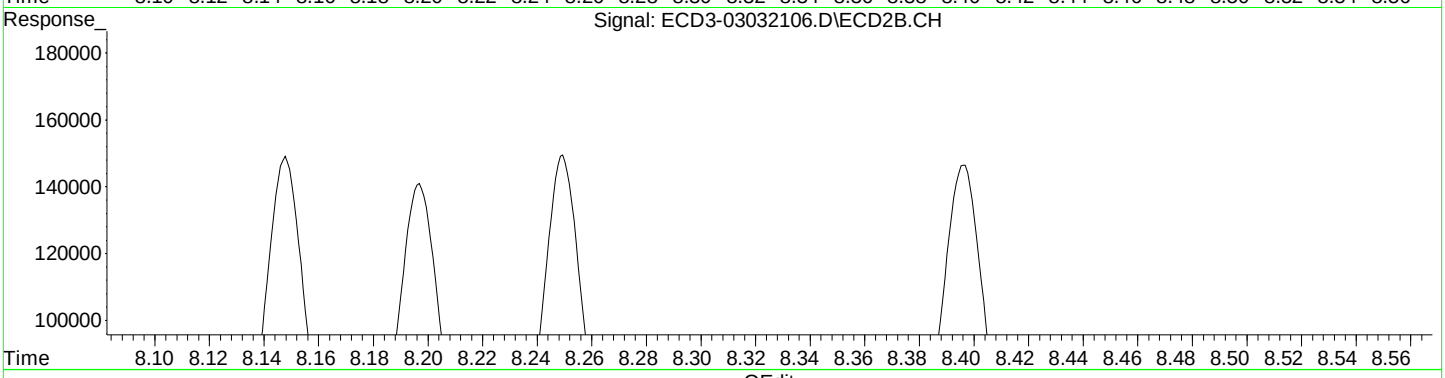
R = 1.53e+001 A*A + 1.55e+005 A + 4.08e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



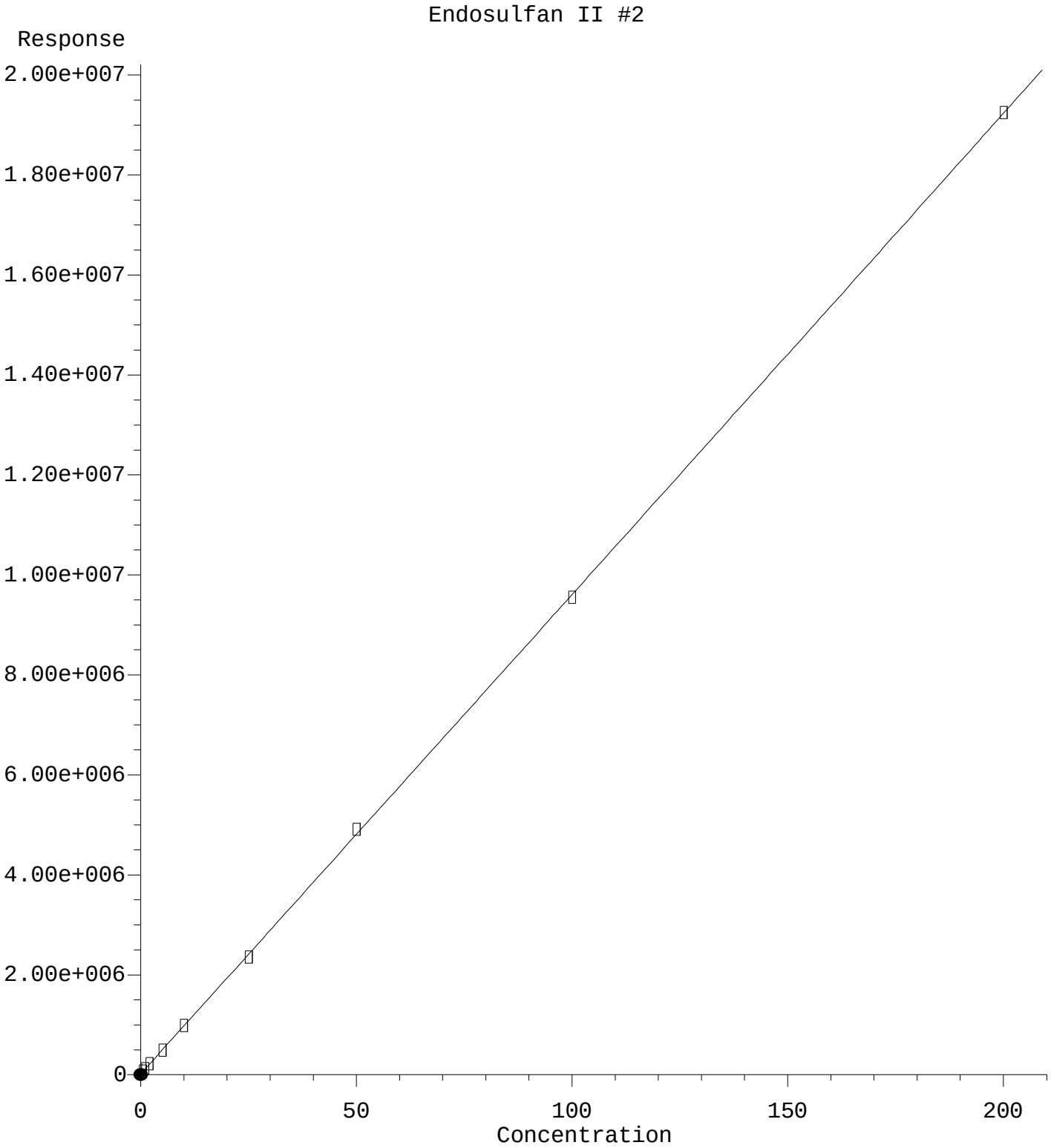


QEdit

(16) Endosulfan II
8.269min -0.166 ng/mL m
response 15141

(16) Endosulfan II #2
8.767min 0.498 ng/mL
response 70881

(+) = Expected Retention Time

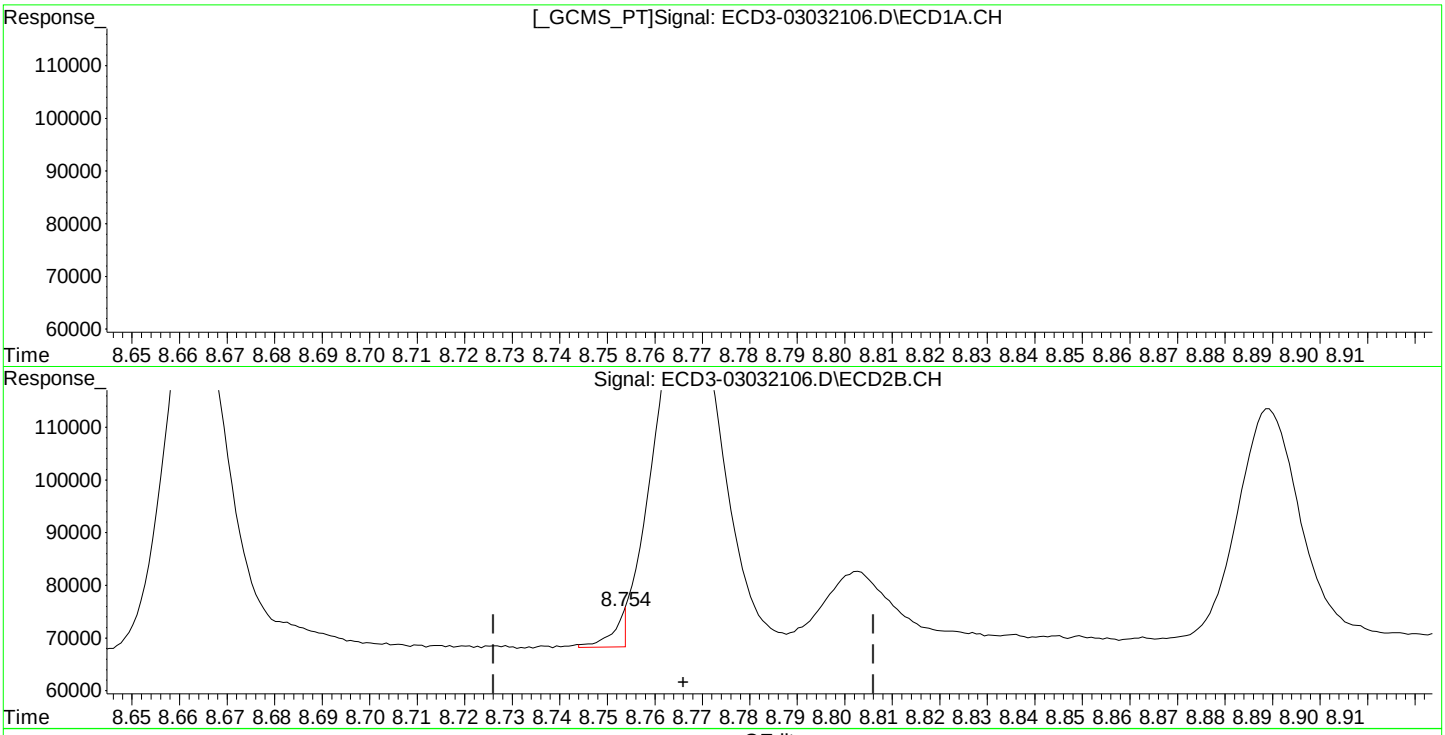


R = 2.56e+000 A*A + 9.56e+004 A + 2.33e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

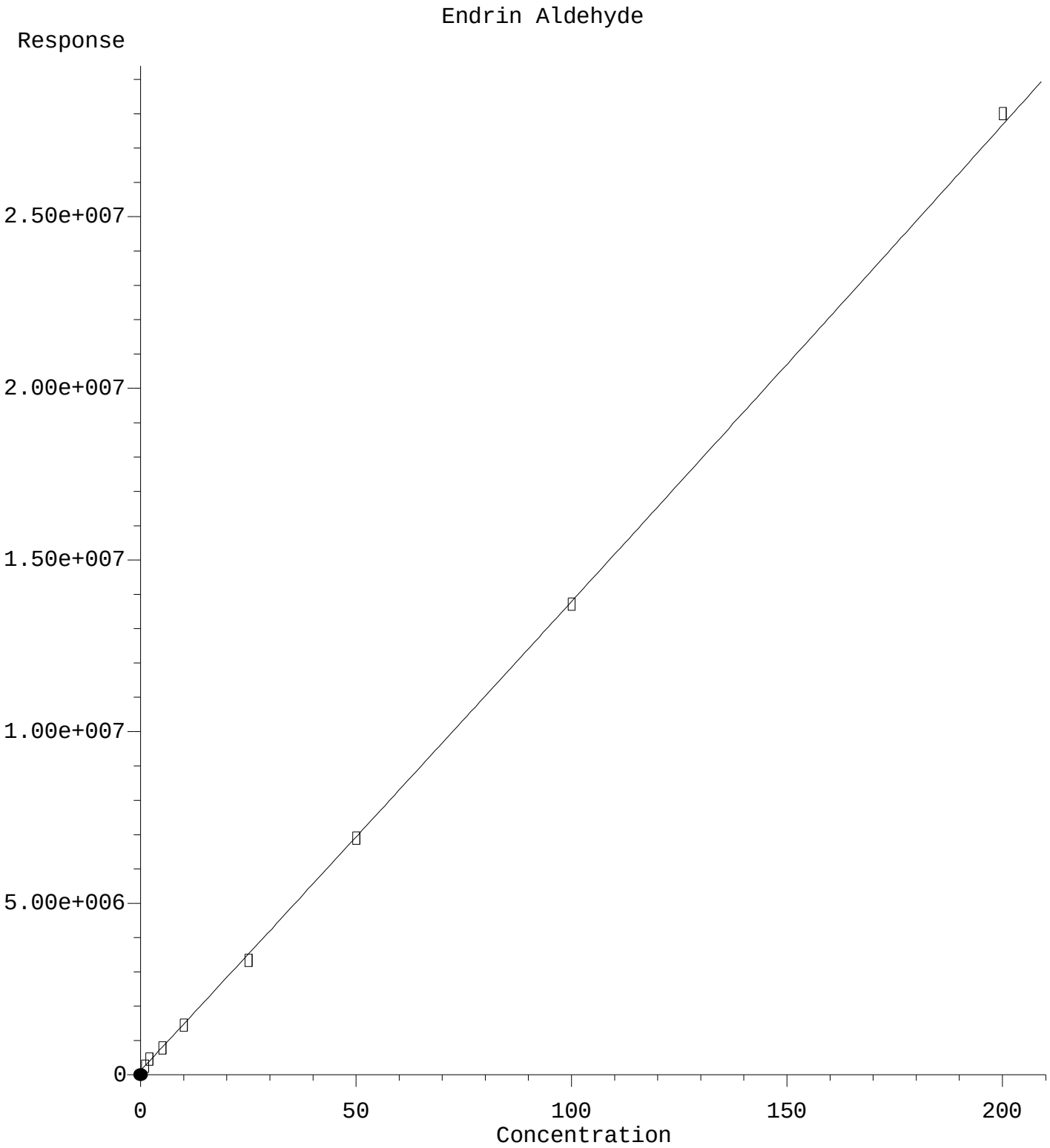
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(16) Endosulfan II
8.269min -0.166 ng/mL m
response 15141

(16) Endosulfan II #2
8.754min -0.172 ng/mL m
response 6823

(+) = Expected Retention Time

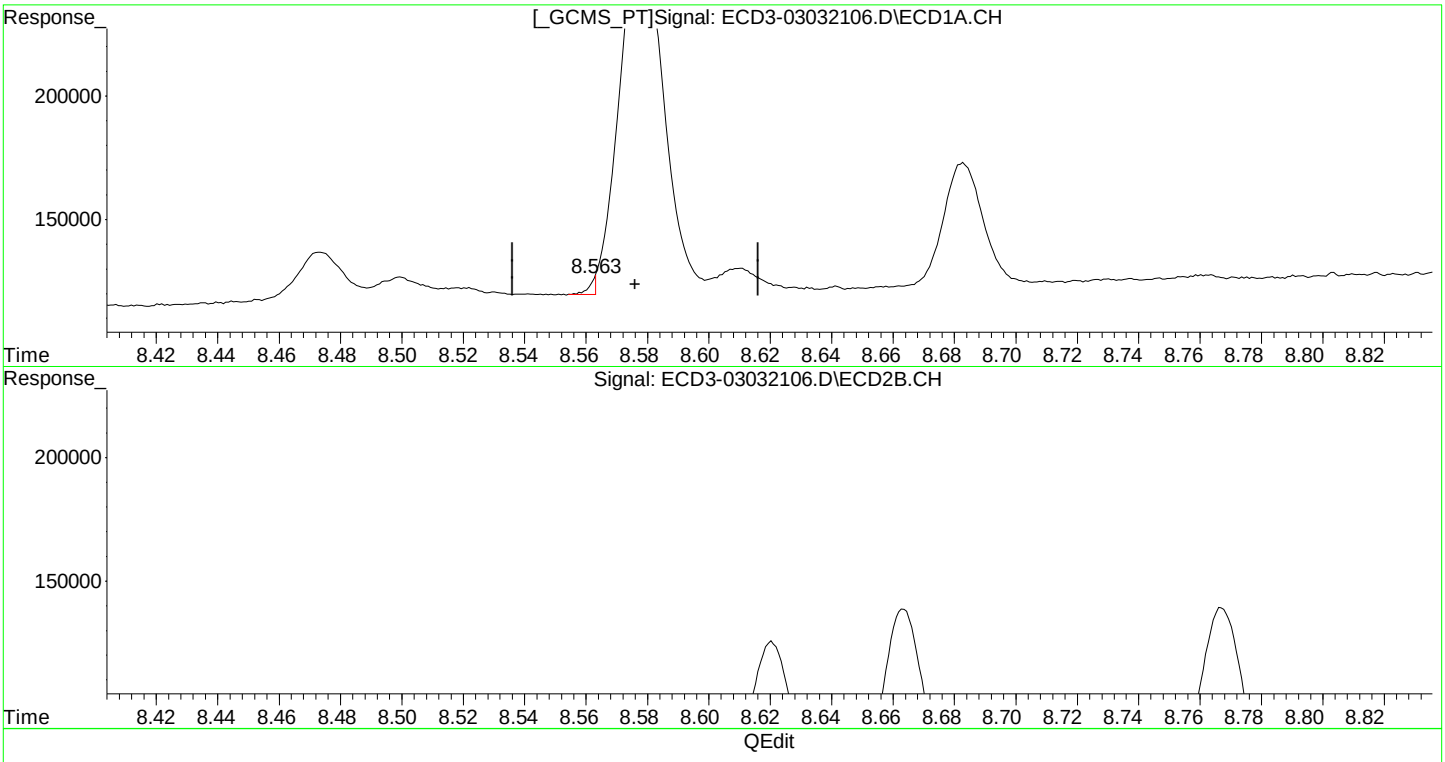


R = 1.16e+001 A*A + 1.35e+005 A + 1.29e+005
Coef of Det (r^2) = 0.989 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

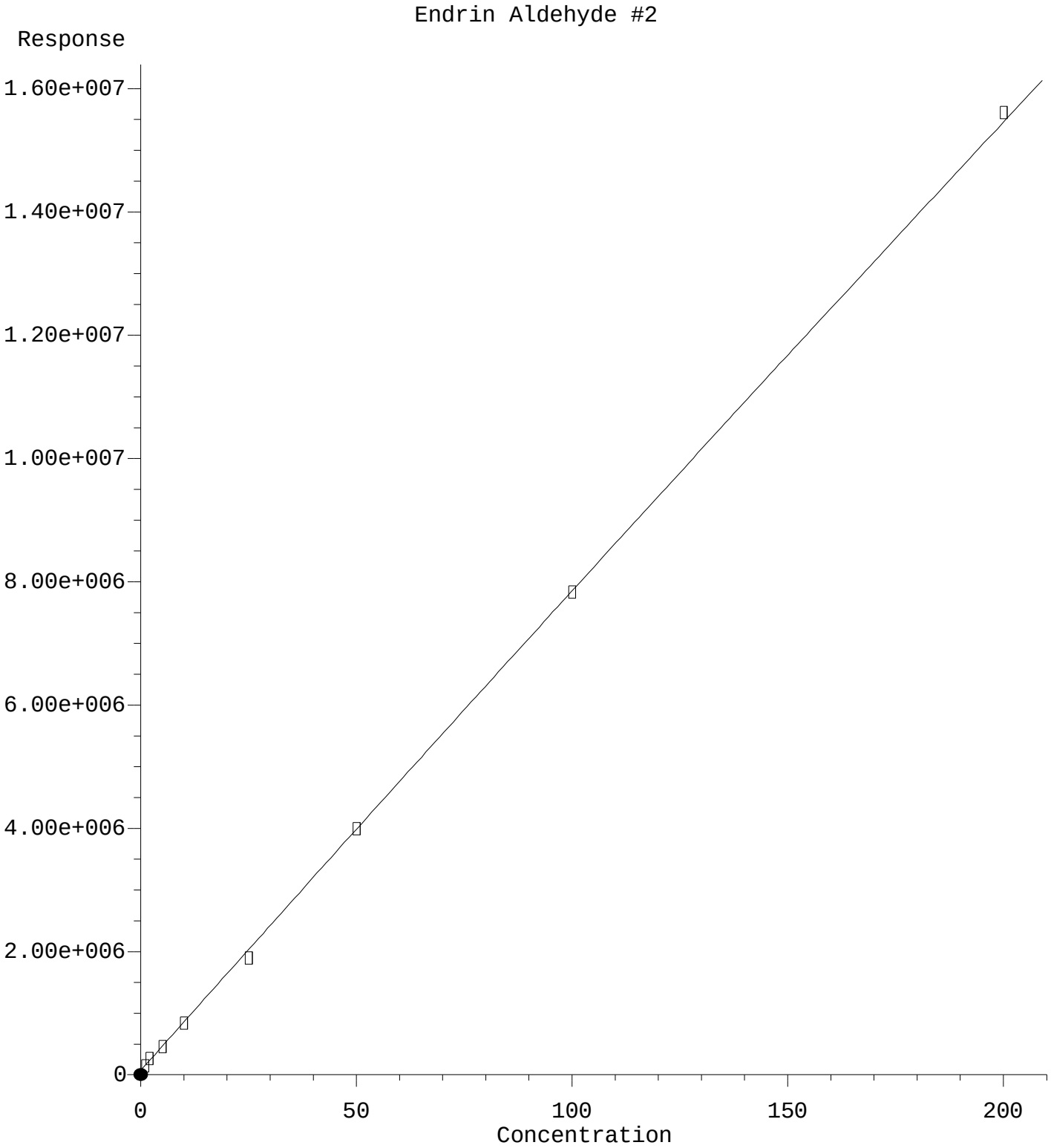
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(18) Endrin Aldehyde
8.563min -0.903 ng/mL m
response 6717

(18) Endrin Aldehyde #2
9.004min 0.172 ng/mL
response 87031

(+) = Expected Retention Time

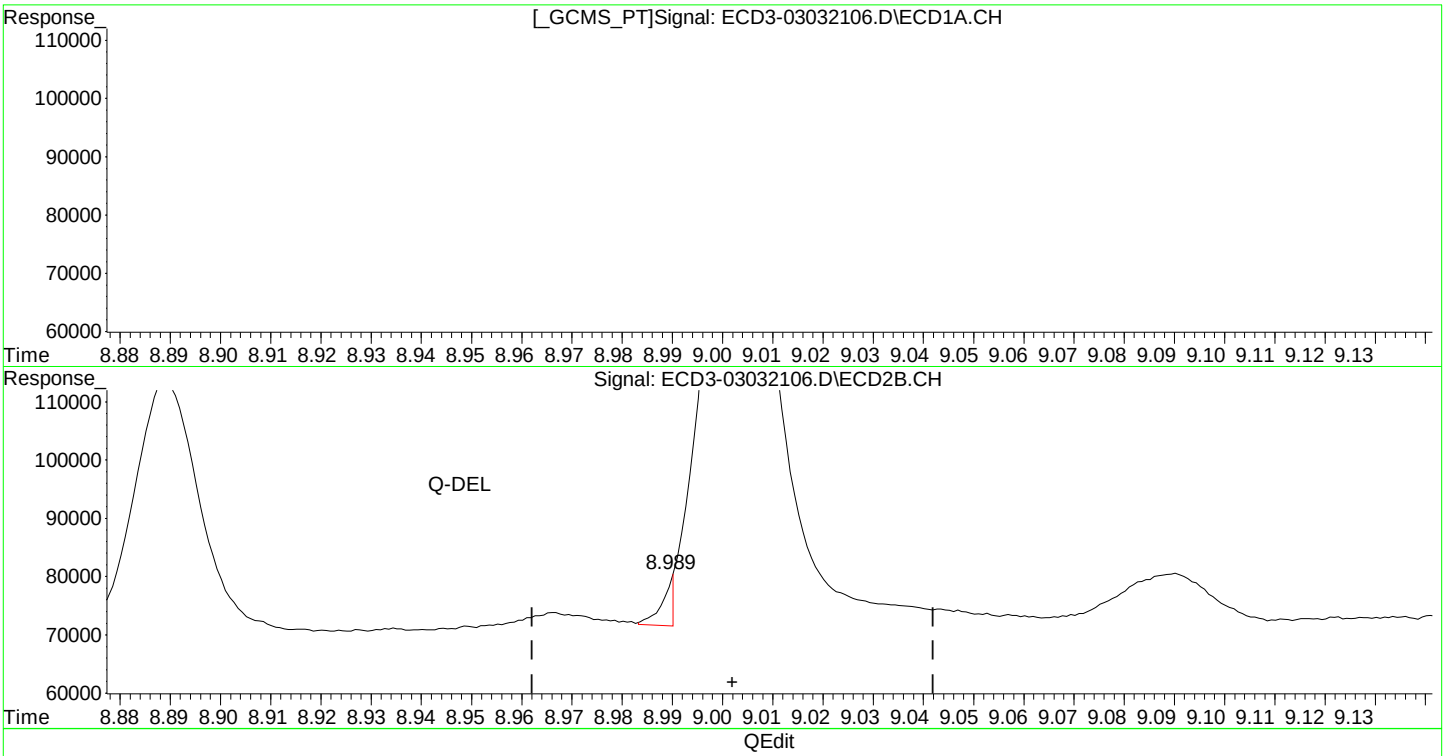


R = -8.29e+000 A*A + 7.86e+004 A + 7.35e+004
Coef of Det (r^2) = 0.989 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

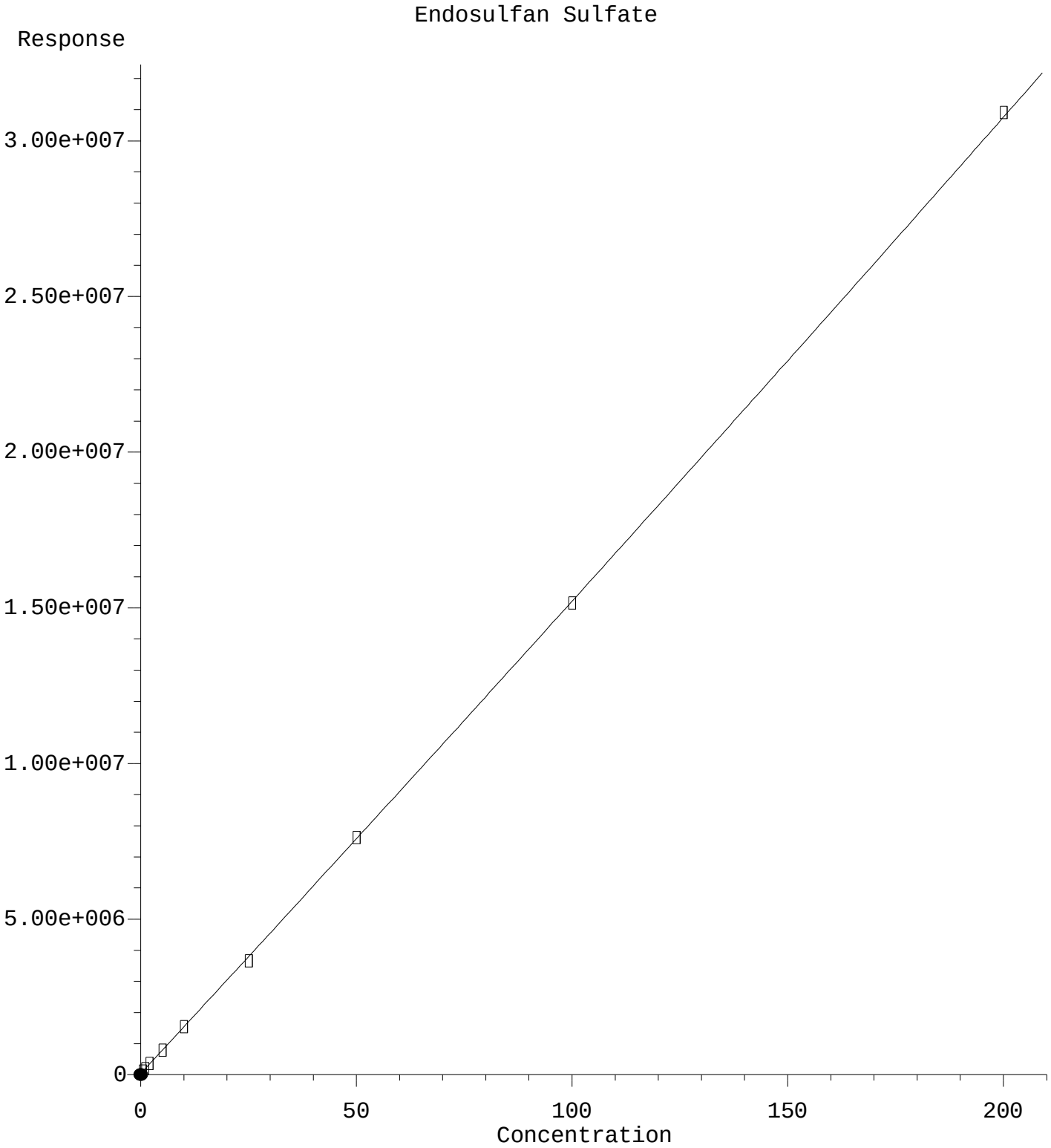
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(18) Endrin Aldehyde
8.563min -0.903 ng/mL m
response 6717

(18) Endrin Aldehyde #2
~~8.989min~~ ~~9483.743 ng/mL m~~
response ~~6643~~

(+) = Expected Retention Time

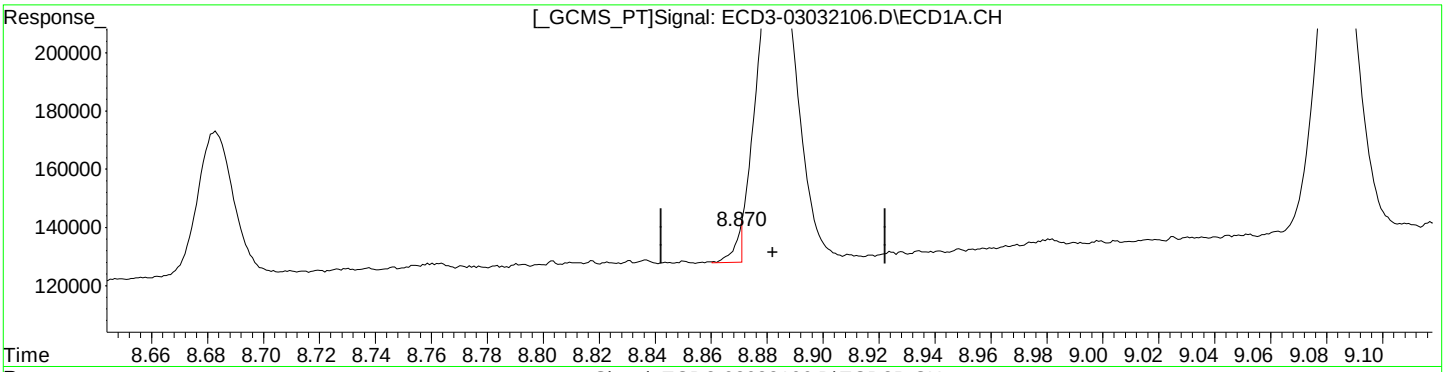


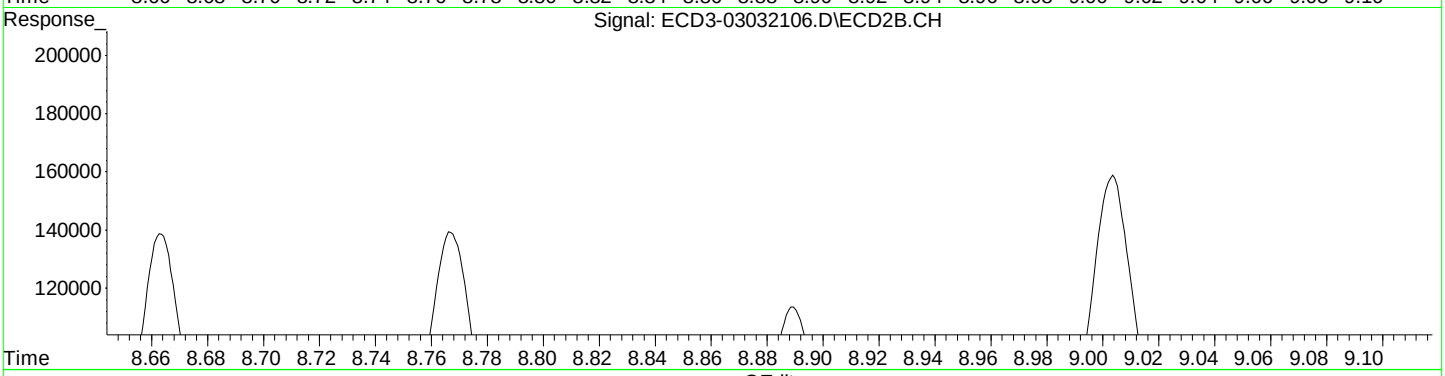
R = 1.95e+001 A*A + 1.50e+005 A + 4.42e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



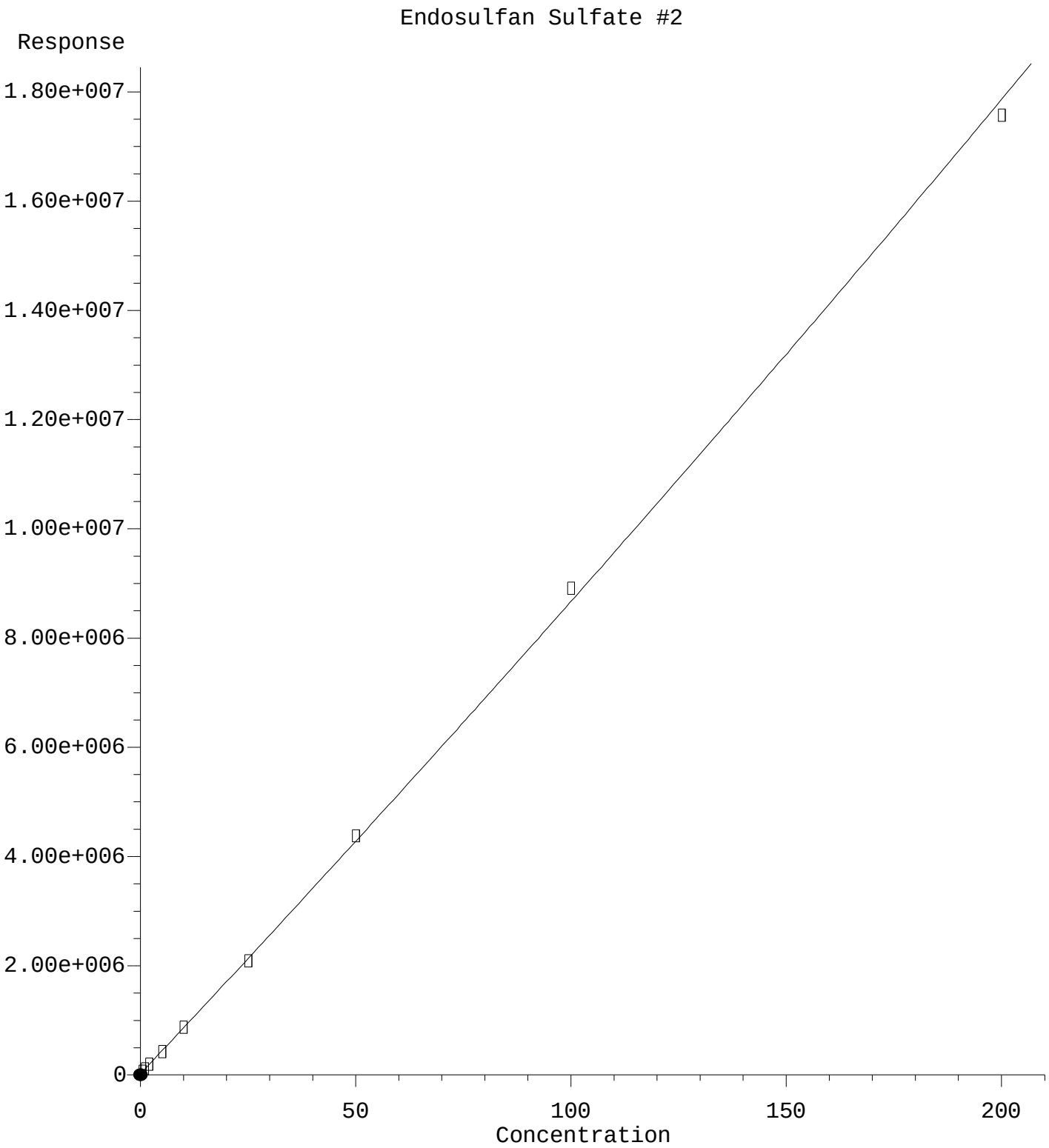


QEdit

(19) Endosulfan Sulfate
8.870min -0.224 ng/mL m
response 10753

(19) Endosulfan Sulfate #2
9.197min 0.504 ng/mL
response 67312

(+) = Expected Retention Time

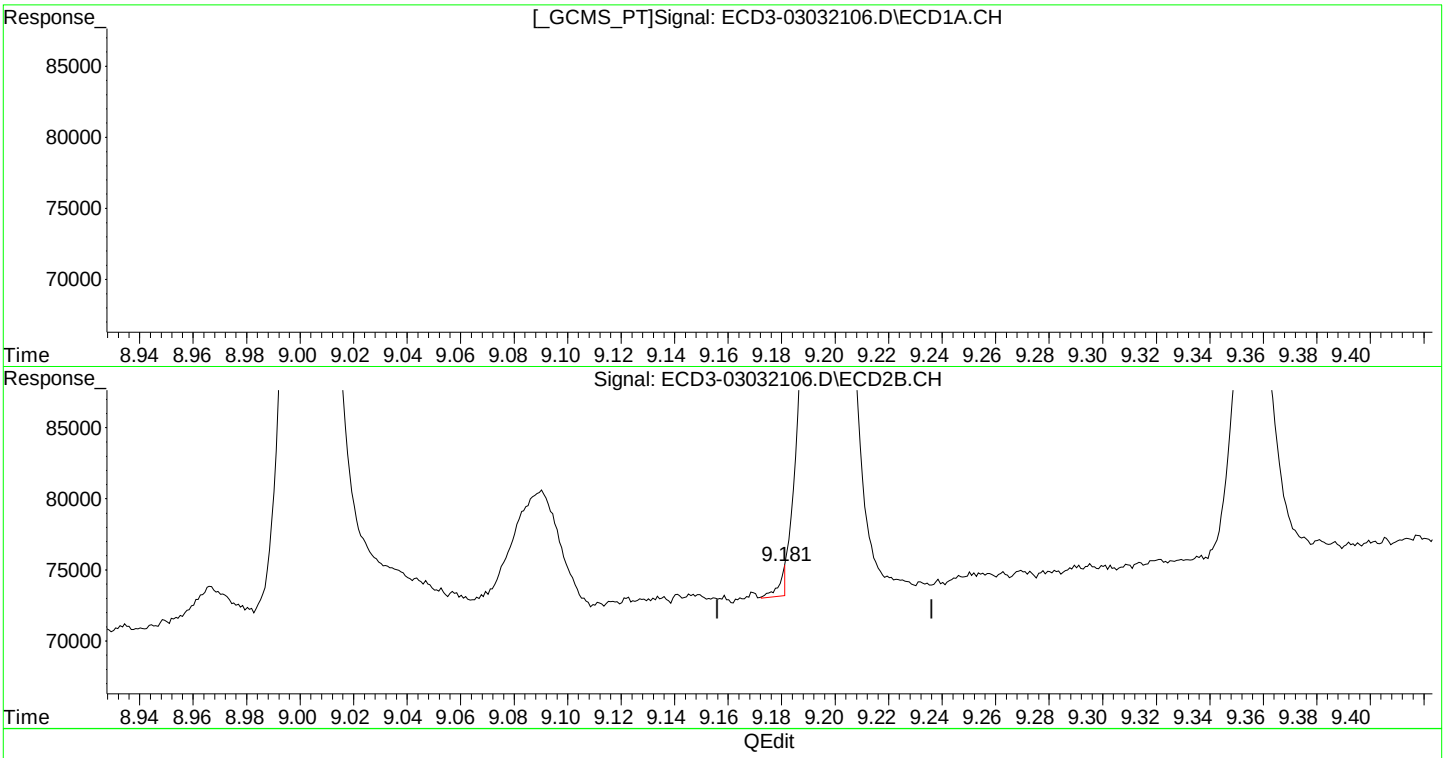


R = 2.77e+001 A*A + 8.37e+004 A + 2.51e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Mar 2021 13:40
Operator : MJB
Sample   : 1C03049-CAL1
Misc   : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

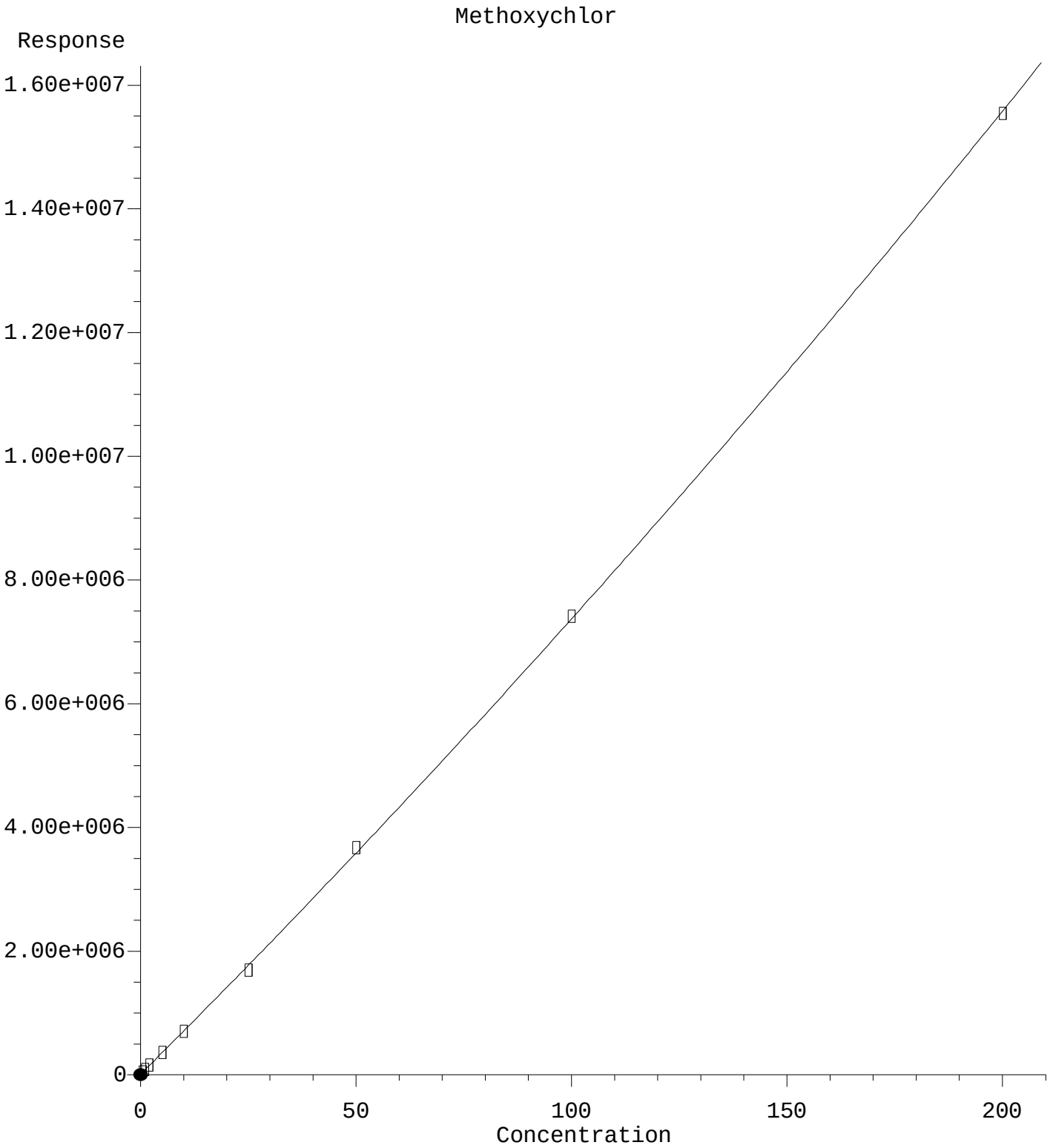
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



(19) Endosulfan Sulfate
8.870min -0.224 ng/mL m
response 10753

(19) Endosulfan Sulfate #2
9.181min -0.276 ng/mL m
response 2072

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:41:55 2021 Page: 1

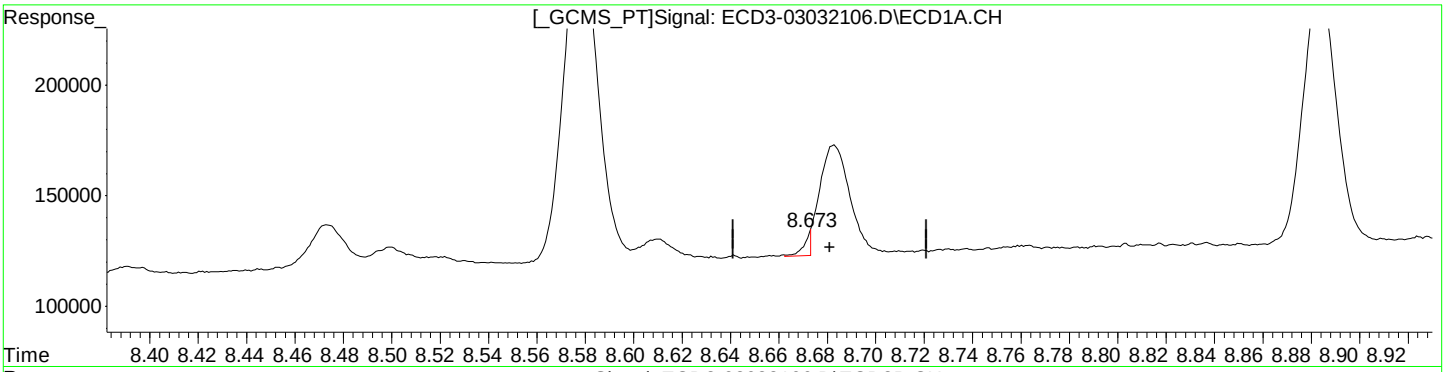


R = 4.30e+001 A*A + 6.92e+004 A + 1.51e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

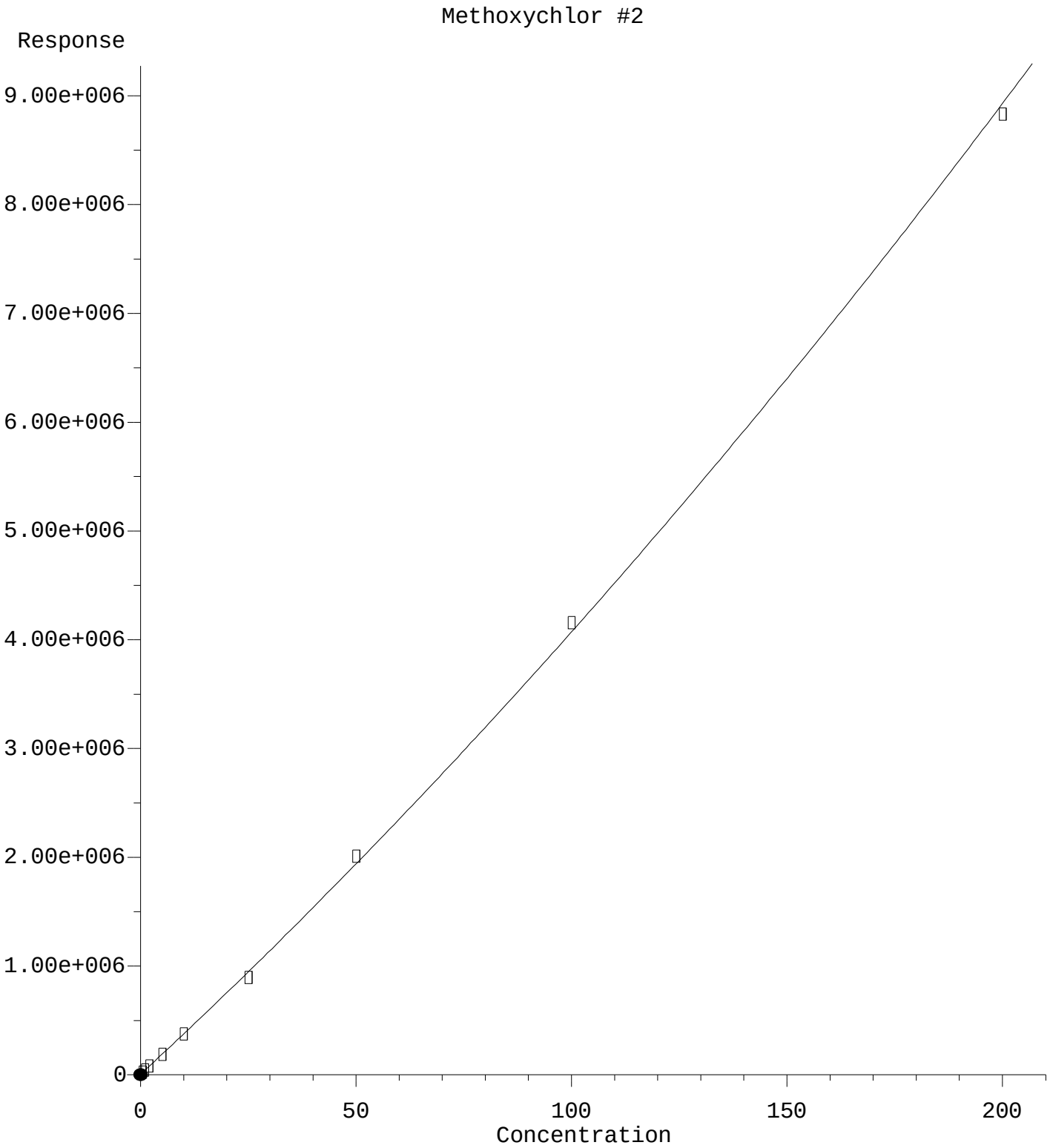


QEdit

(20) Methoxychlor
8.673min -0.063 ng/mL m
response 10741

(20) Methoxychlor #2
9.356min 0.491 ng/mL
response 25051

(+) = Expected Retention Time

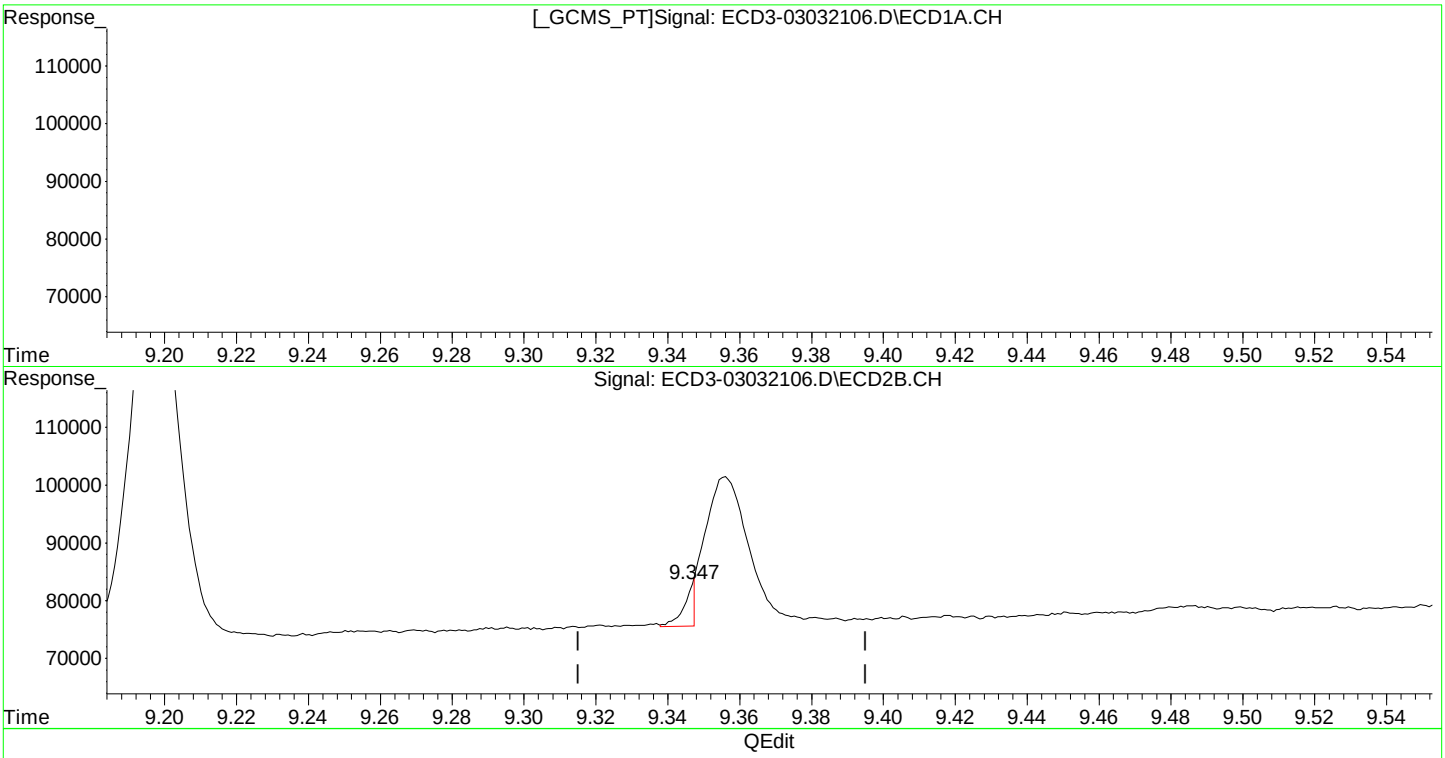


R = 3.99e+001 A*A + 3.67e+004 A + 7.04e+003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 03 Mar 2021 13:40
Operator : MJB
Sample   : 1C03049-CAL1
Misc   : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

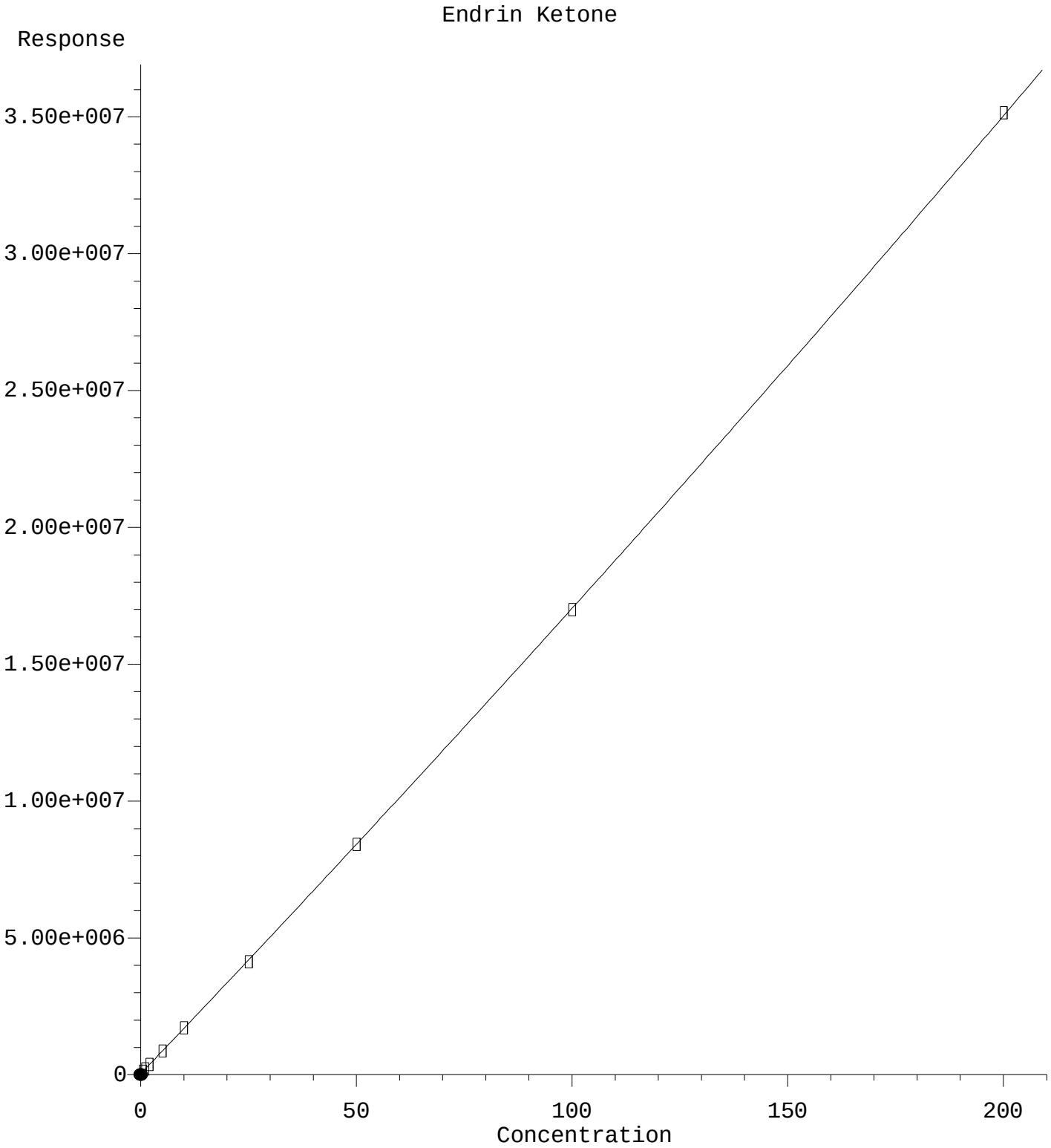
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



(20) Methoxychlor
8.673min -0.063 ng/mL m
response 10741

(20) Methoxychlor #2
9.347min 0.009 ng/mL m
response 7370

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:42:15 2021 Page: 1

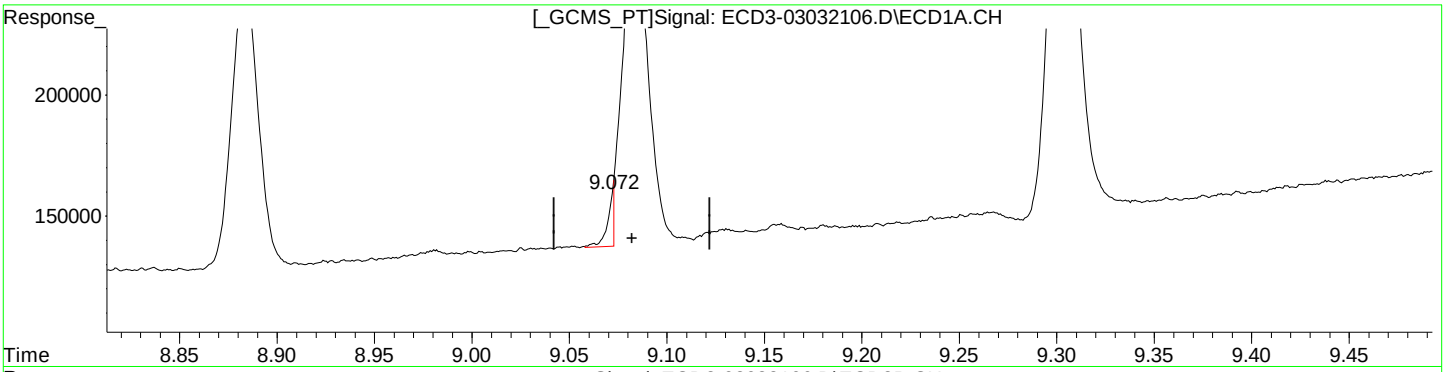


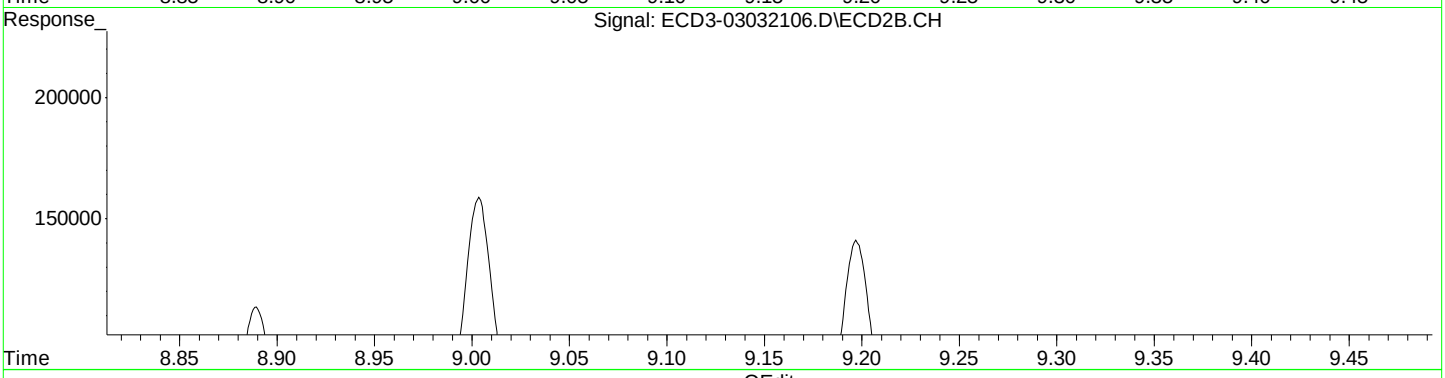
R = 5.06e+001 A*A + 1.65e+005 A + 4.46e+004
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



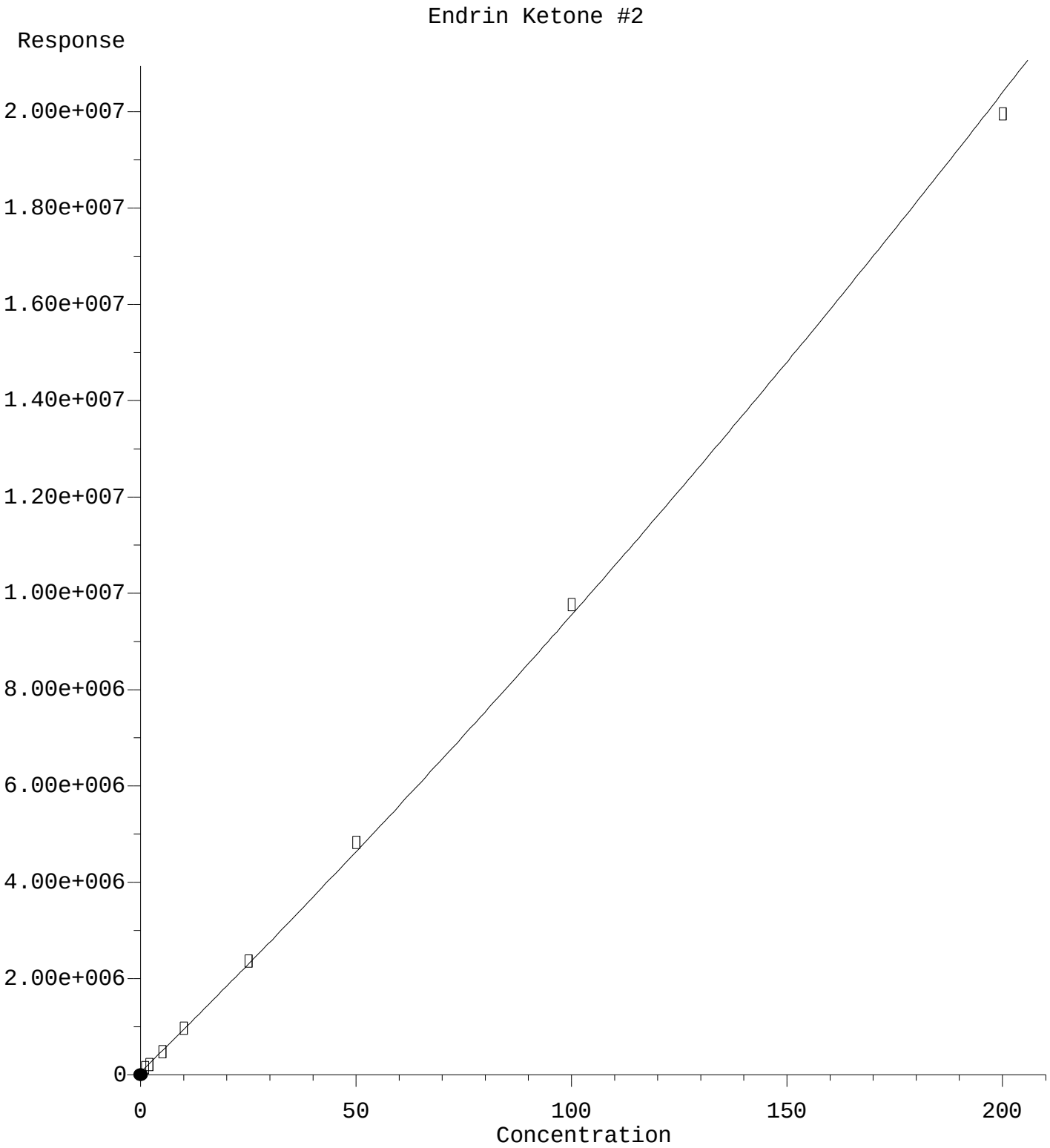


QEdit

(21) Endrin Ketone
9.072min -0.140 ng/mL m
response 21572

(21) Endrin Ketone #2
9.584min 1.049 ng/mL
response 149307

(+) = Expected Retention Time

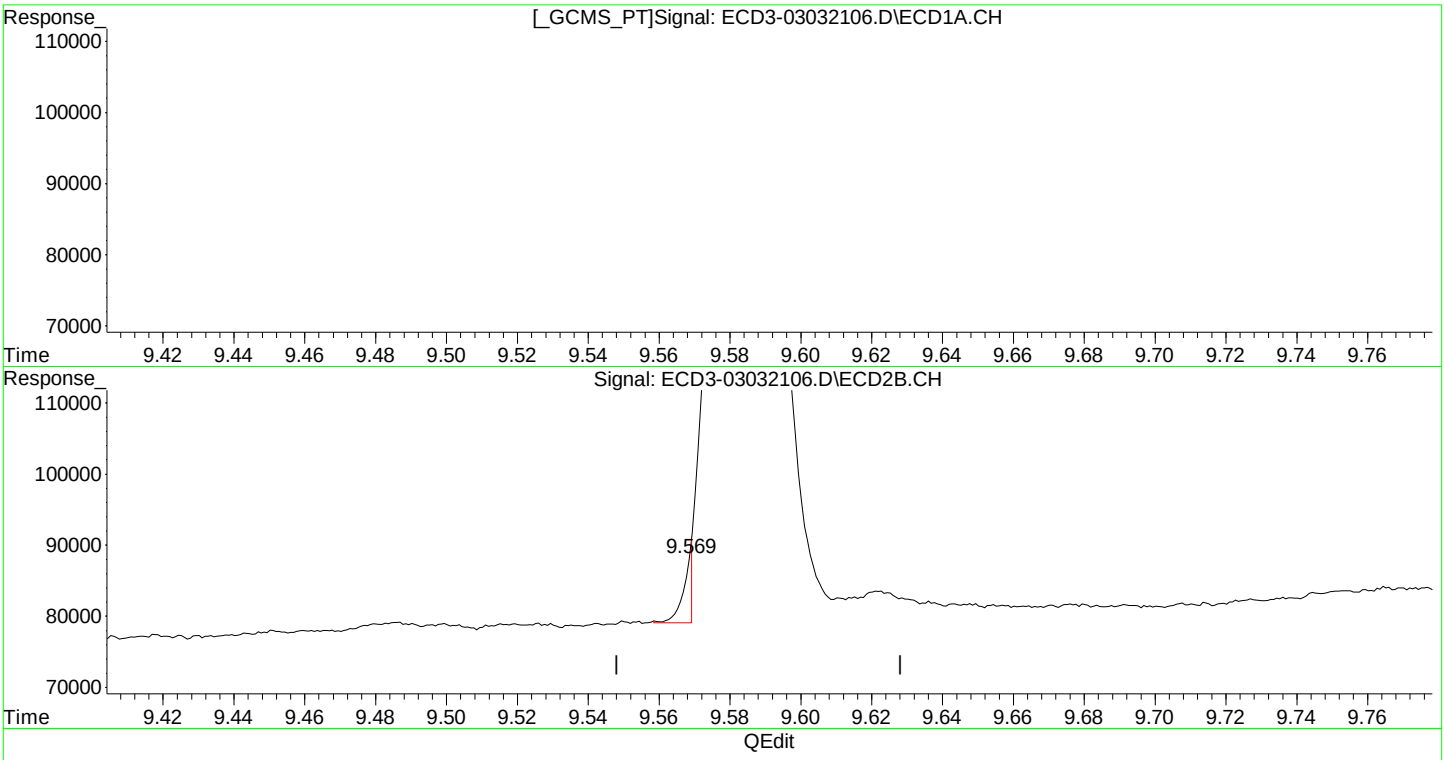


R = 6.81e+001 A*A + 8.81e+004 A + 5.68e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

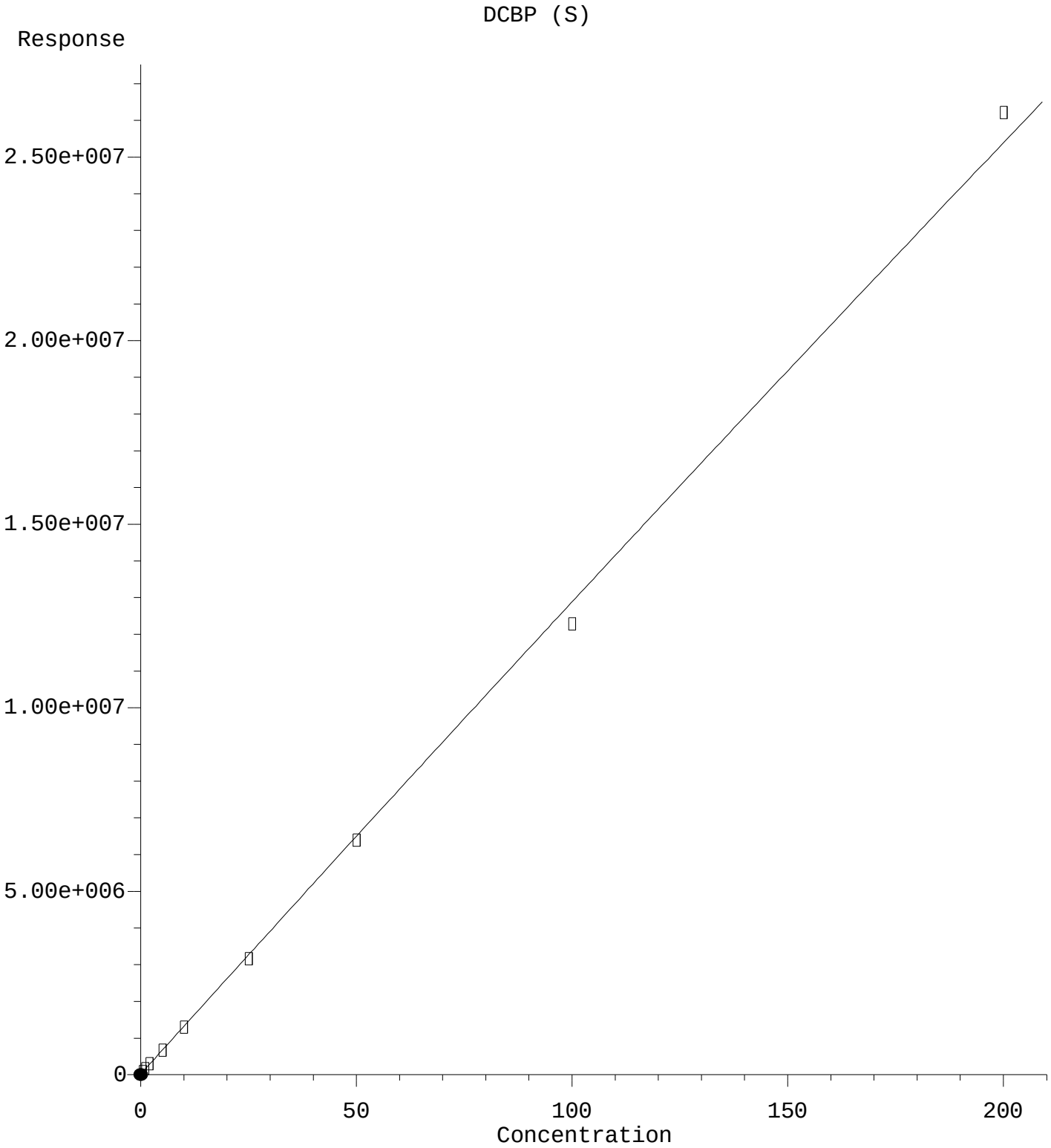
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(21) Endrin Ketone
9.072min -0.140 ng/mL m
response 21572

(21) Endrin Ketone #2
9.569min -0.542 ng/mL m
response 9099

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:42:33 2021 Page: 1

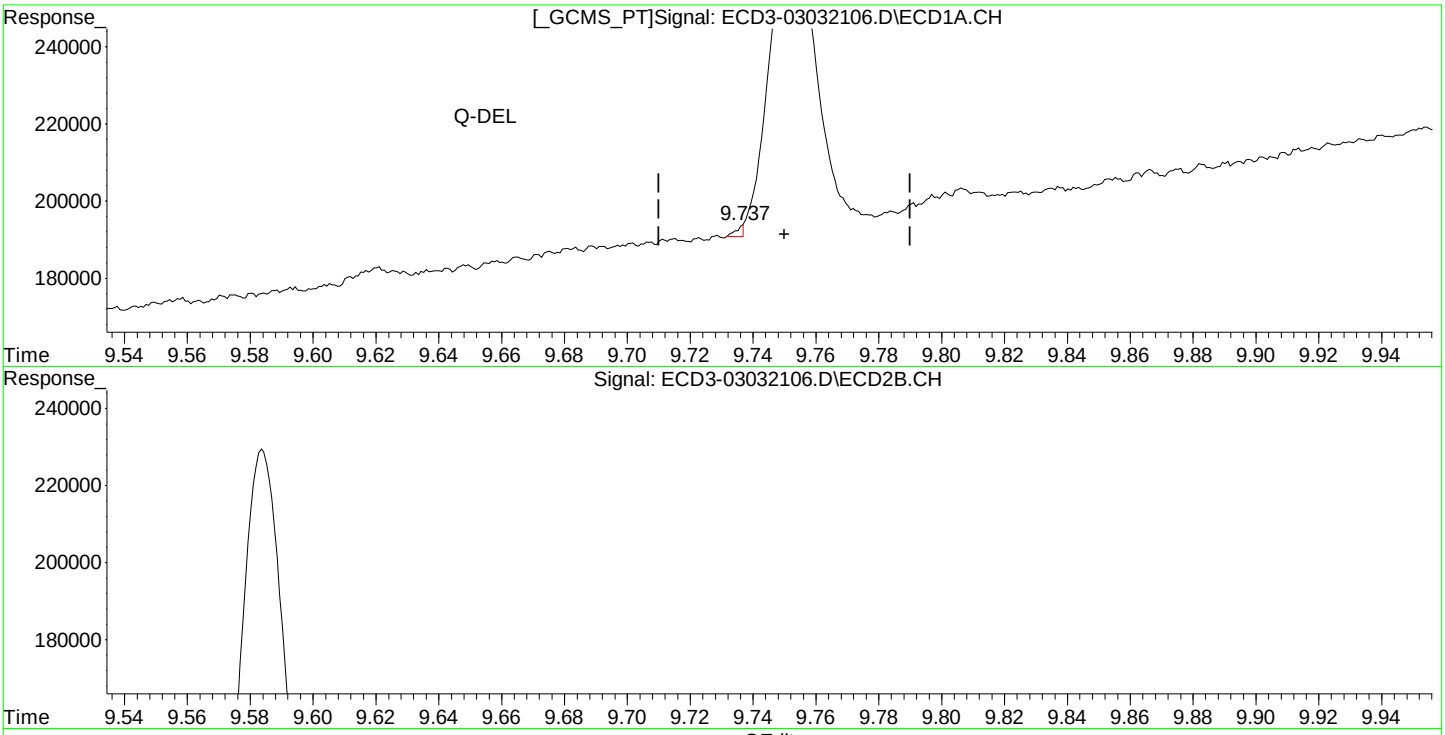


R = -1.72e+001 A*A + 1.30e+005 A + 2.23e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

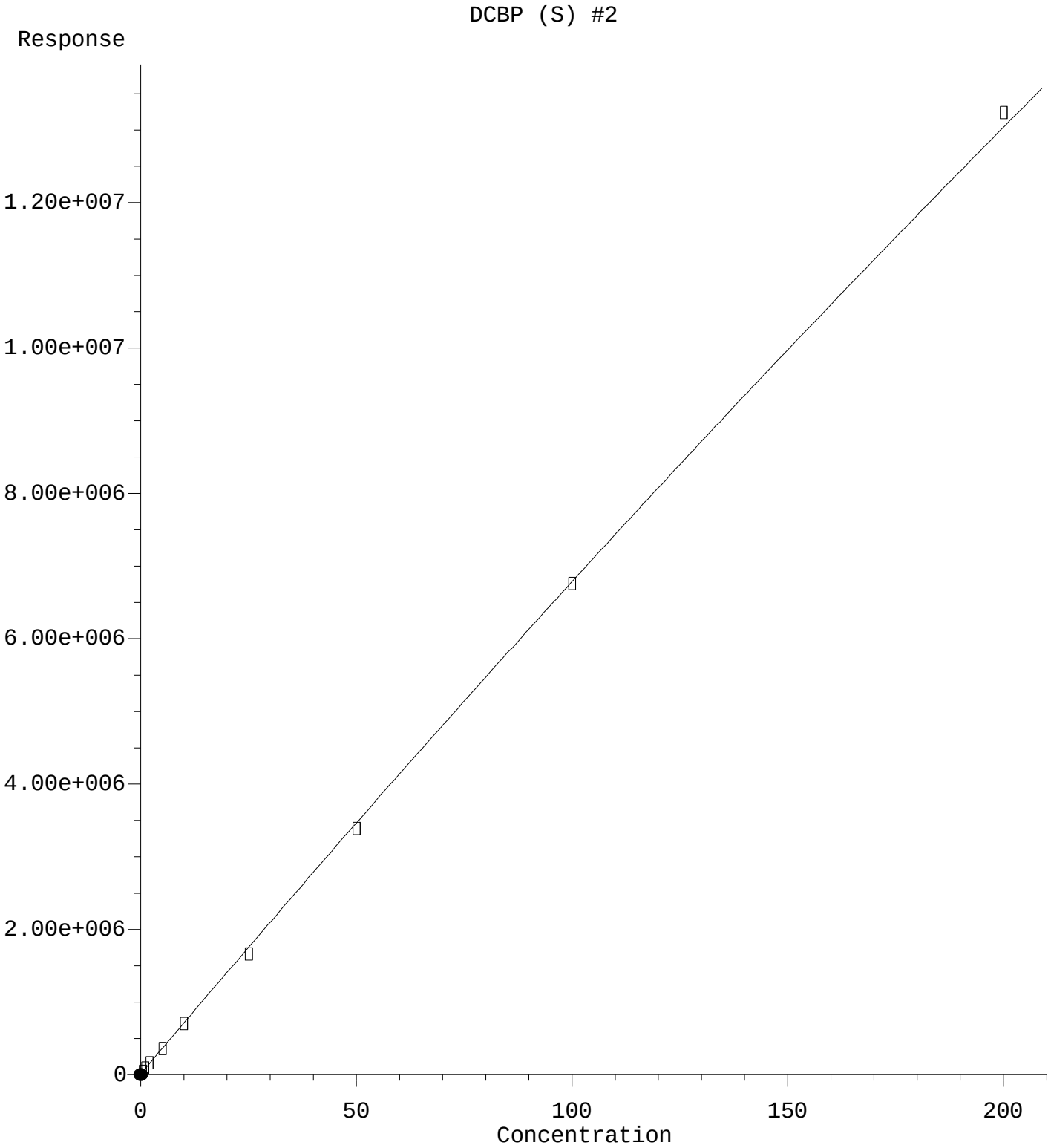


QEdit

(22) DCBP (S) (S)
~~9.737min 7577.991 ng/mL m~~
response ~~3158~~

(22) DCBP (S) #2 (S)
10.434min 0.467 ng/mL
response 48386

(+) = Expected Retention Time

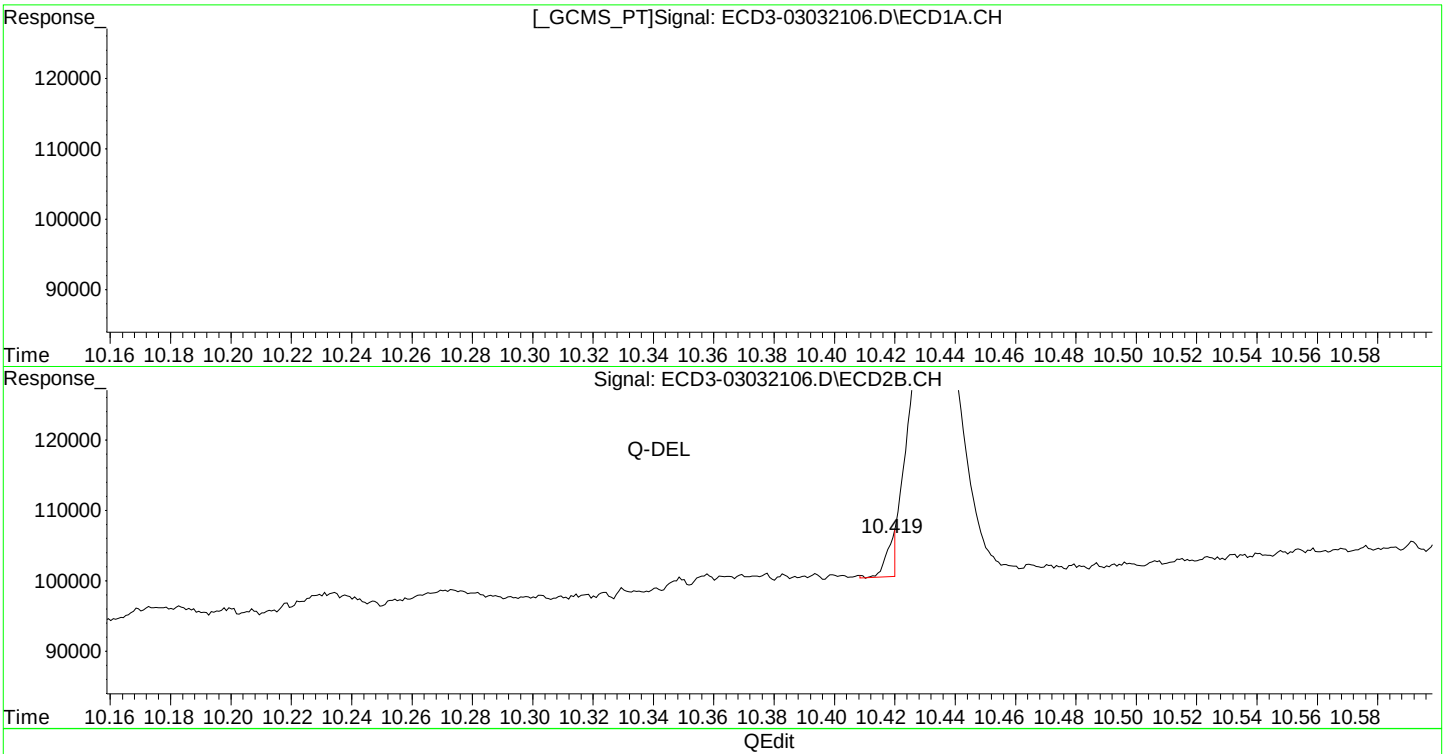


R = -2.57e+001 A*A + 7.03e+004 A + 1.56e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

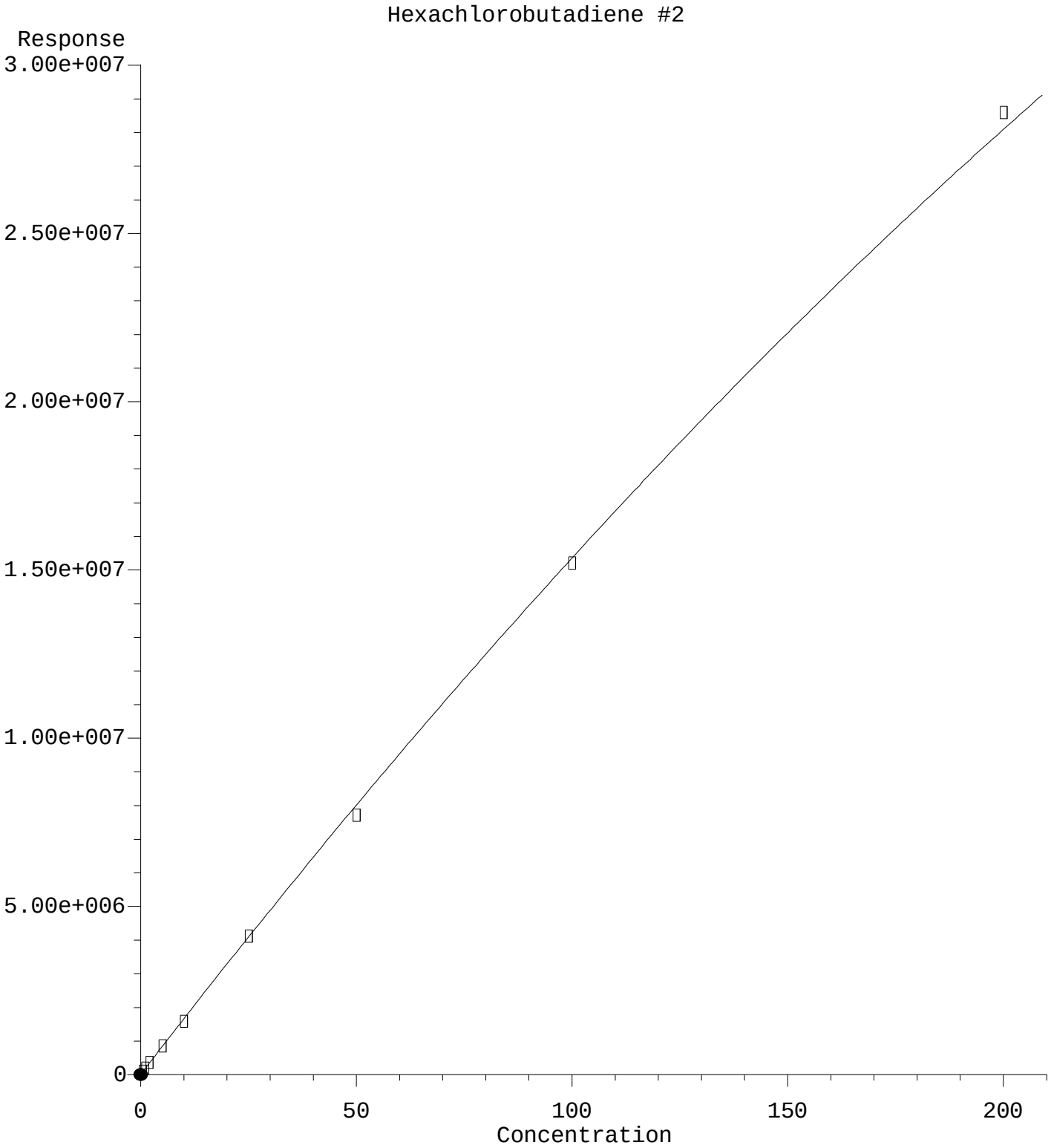
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(22) DCBP (S) (S)
9.737min 7577.991 ng/mL m
response 3158

(22) DCBP (S) #2 (S)
~~10.419min~~ ~~2737.975 ng/mL m~~
response ~~5509~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:43:03 2021 Page: 1

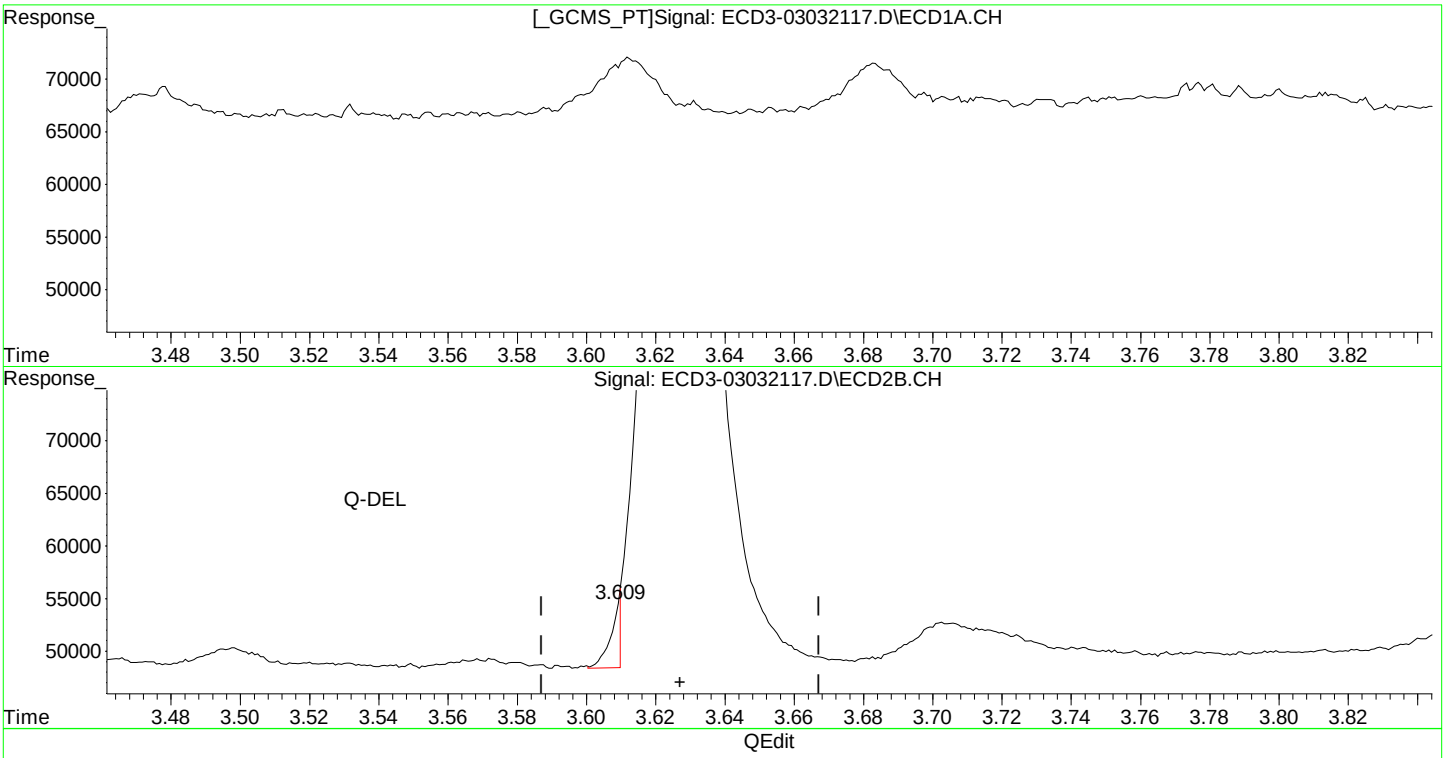


R = -1.30e+002 A*A + 1.66e+005 A + 1.95e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

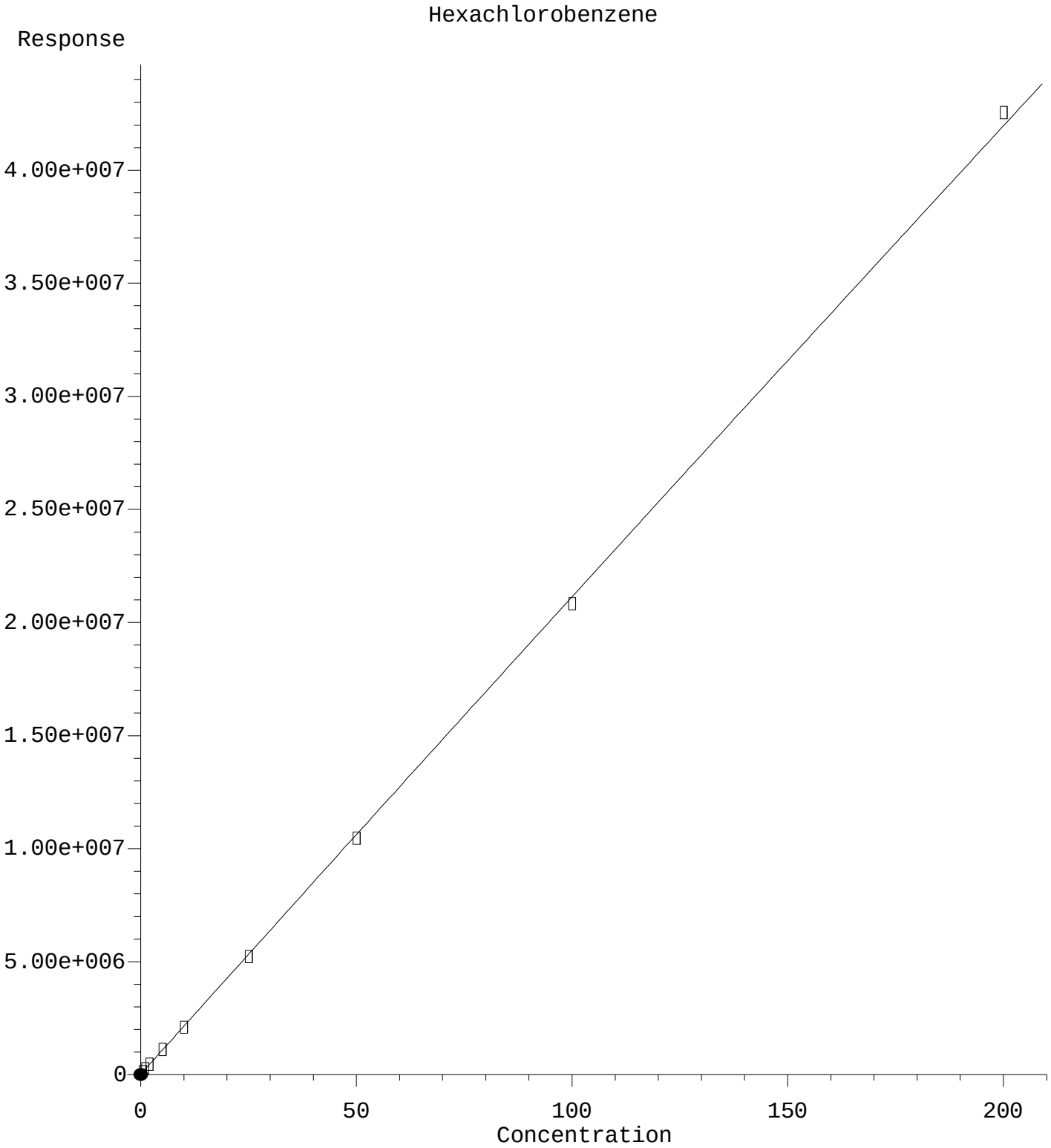
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(23) Hexachlorobutadiene
3.329min 0.554 ng/mL
response 131299

(23) Hexachlorobutadiene #2
~~3.609min~~ ~~1282.036 ng/mL m~~
response ~~6071~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:43:42 2021 Page: 1

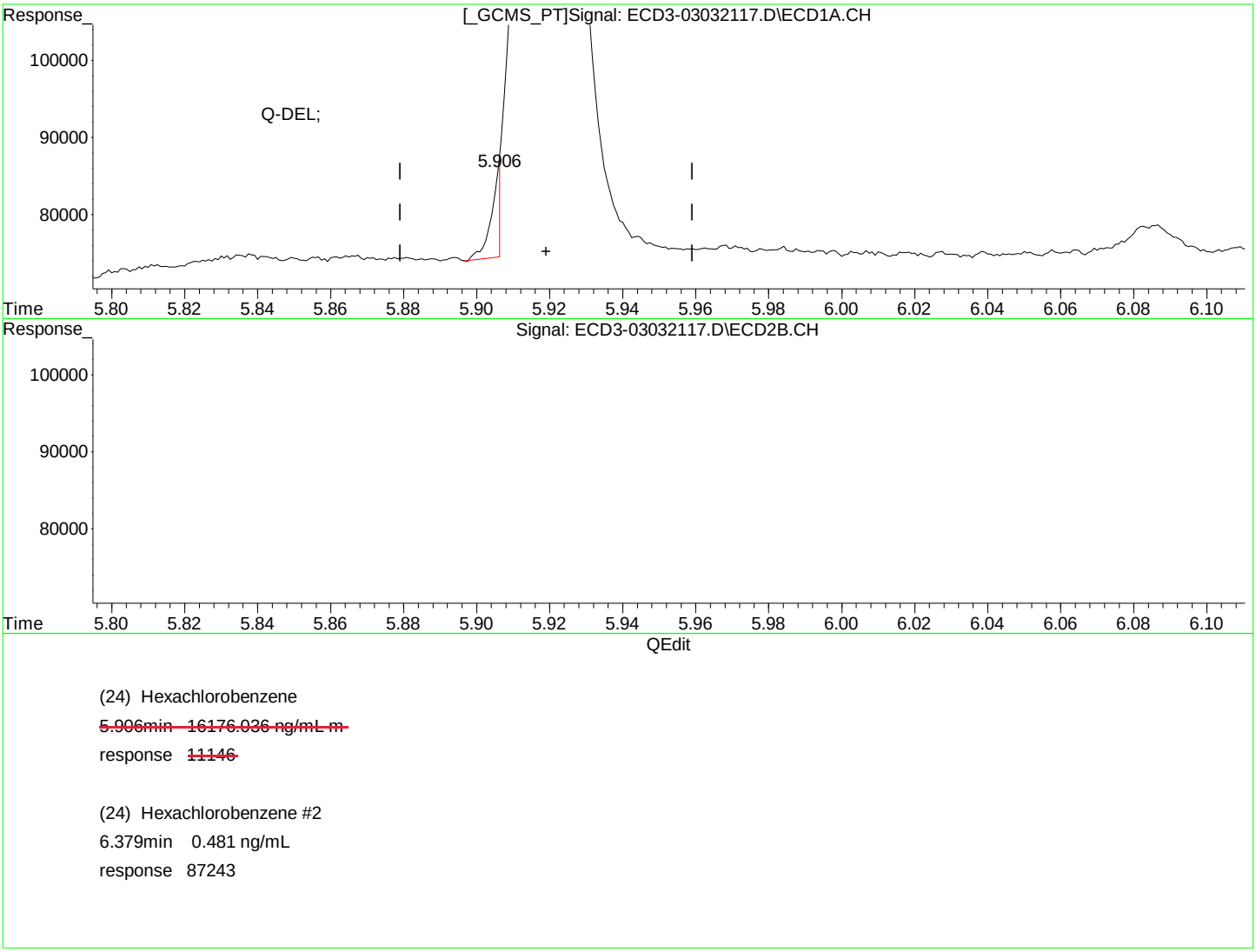


R = -1.31e+001 A*A + 2.12e+005 A + 3.36e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

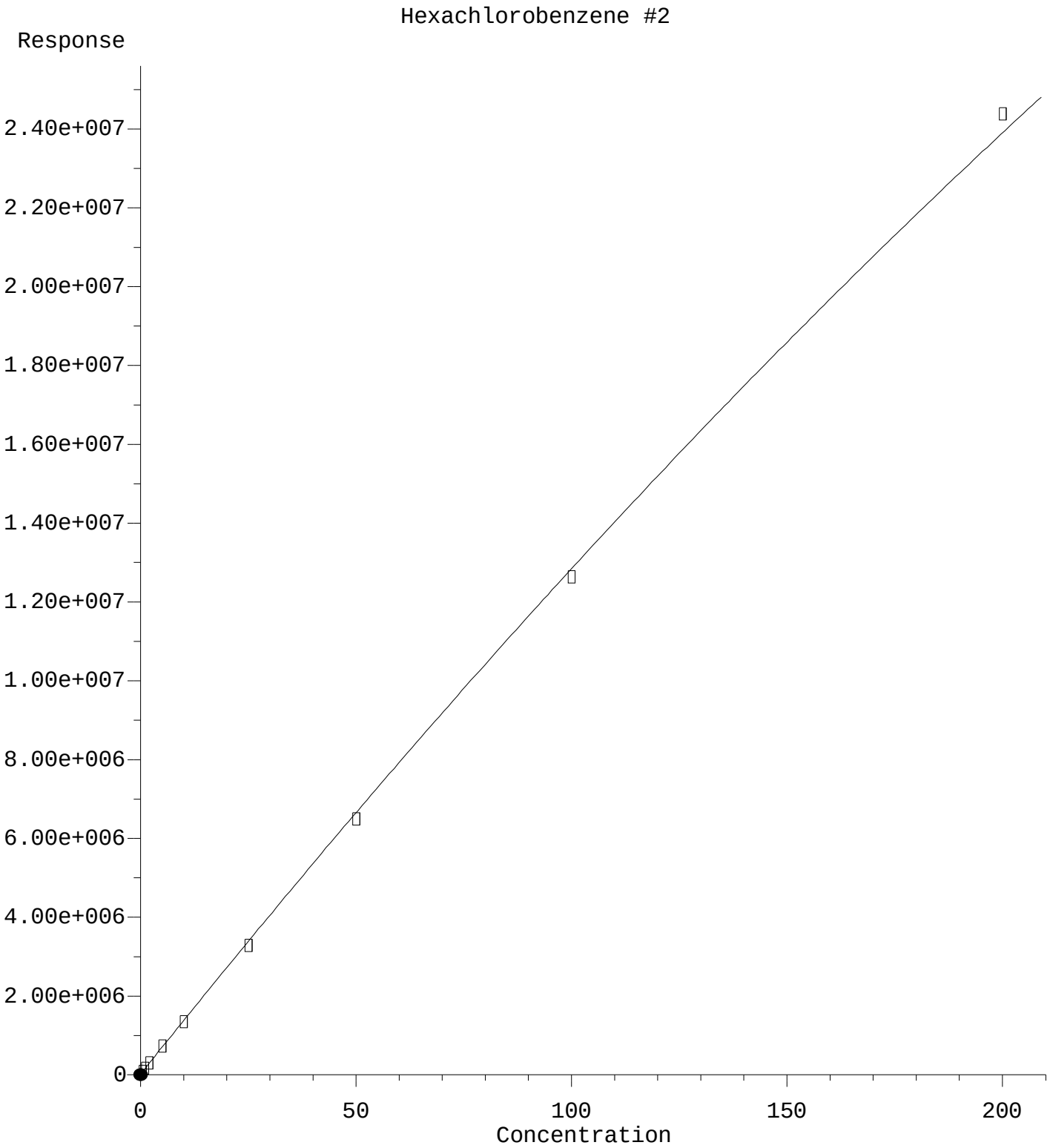
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(24) Hexachlorobenzene
~~5.906min 16176.036 ng/mL m~~
response ~~11146~~

(24) Hexachlorobenzene #2
6.379min 0.481 ng/mL
response 87243

(+) = Expected Retention Time

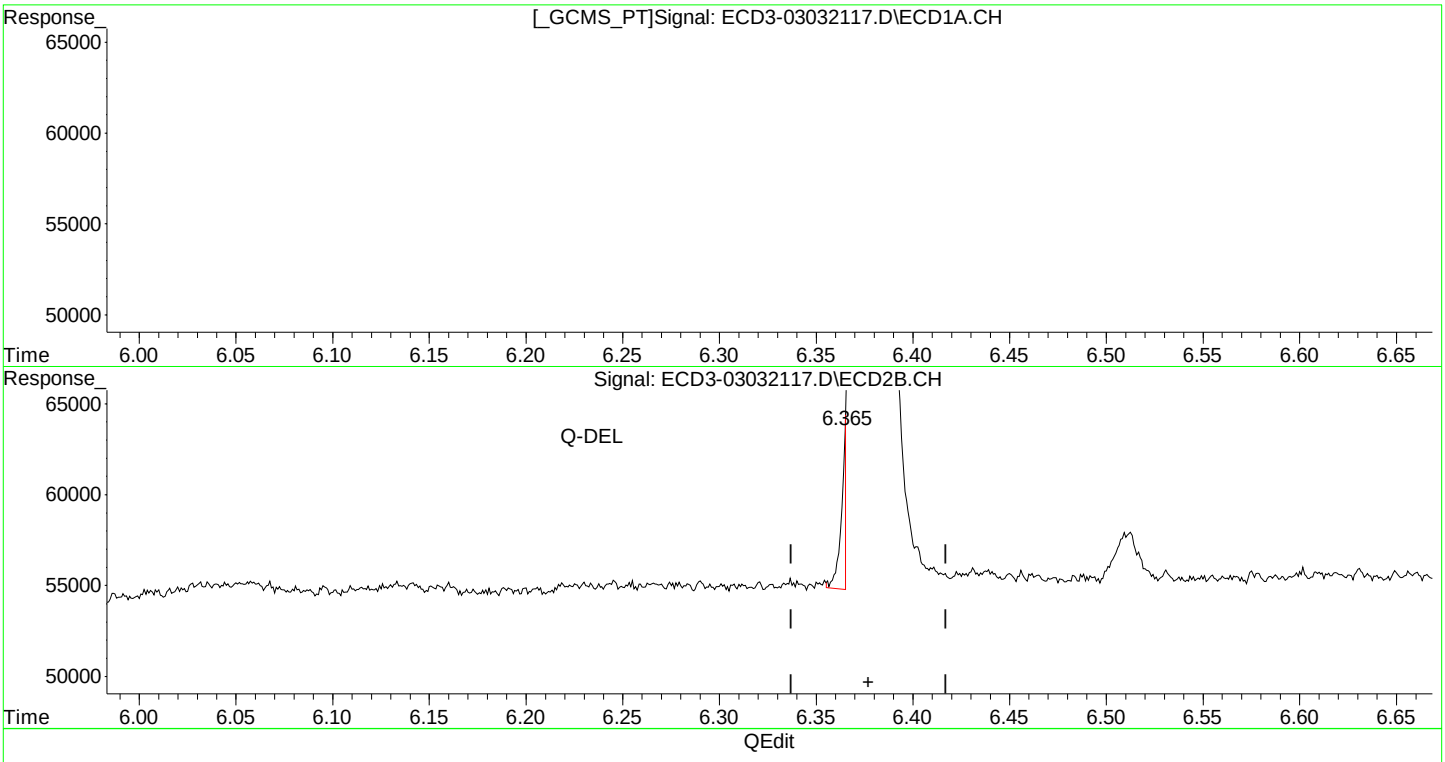


R = -8.78e+001 A*A + 1.37e+005 A + 2.14e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

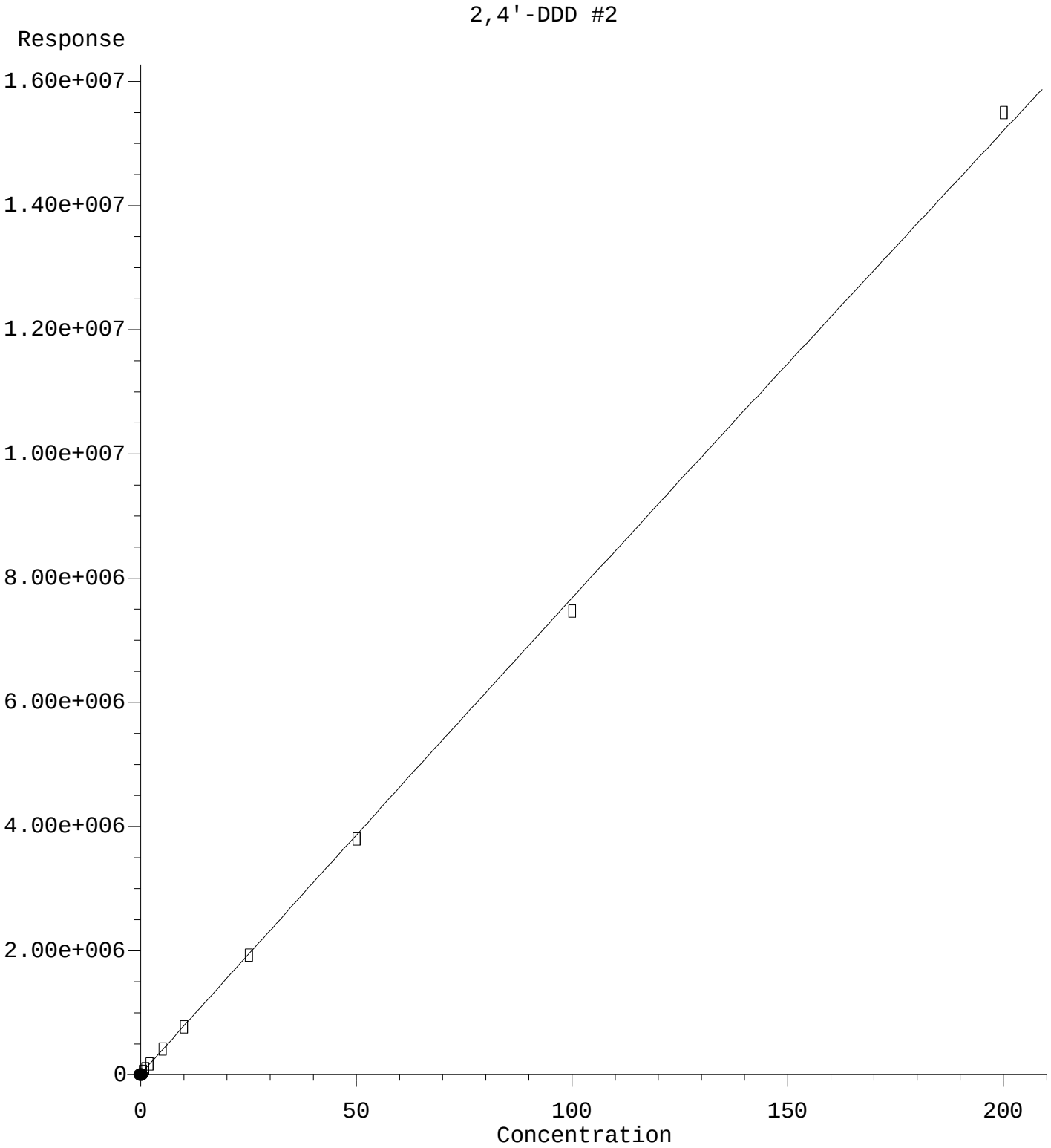
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(24) Hexachlorobenzene
5.906min 16176.036 ng/mL m
response 11146

(24) Hexachlorobenzene #2
~~6.365min~~ ~~1560.494 ng/mL m~~
response ~~8759~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:44:13 2021 Page: 1

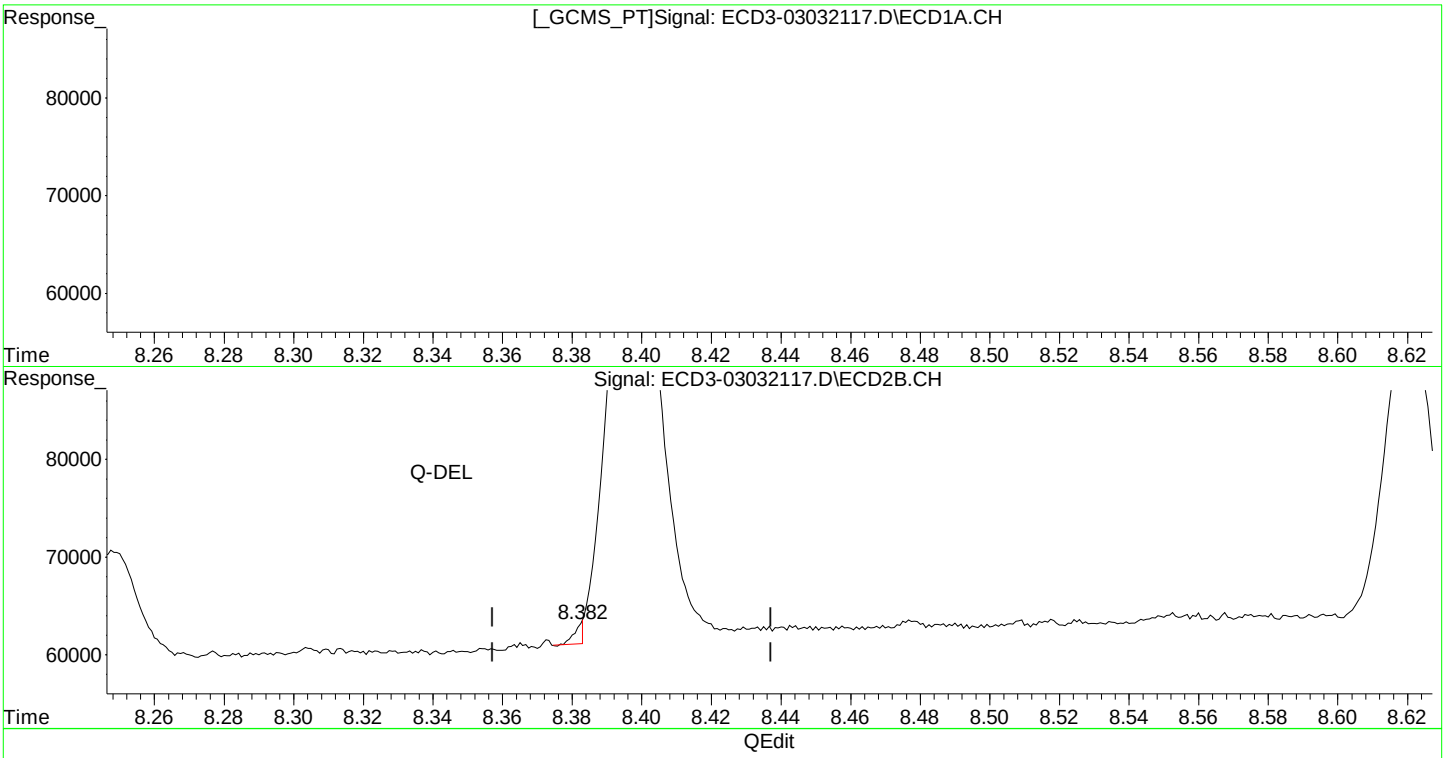


R = -6.50e+000 A*A + 7.72e+004 A + 1.66e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

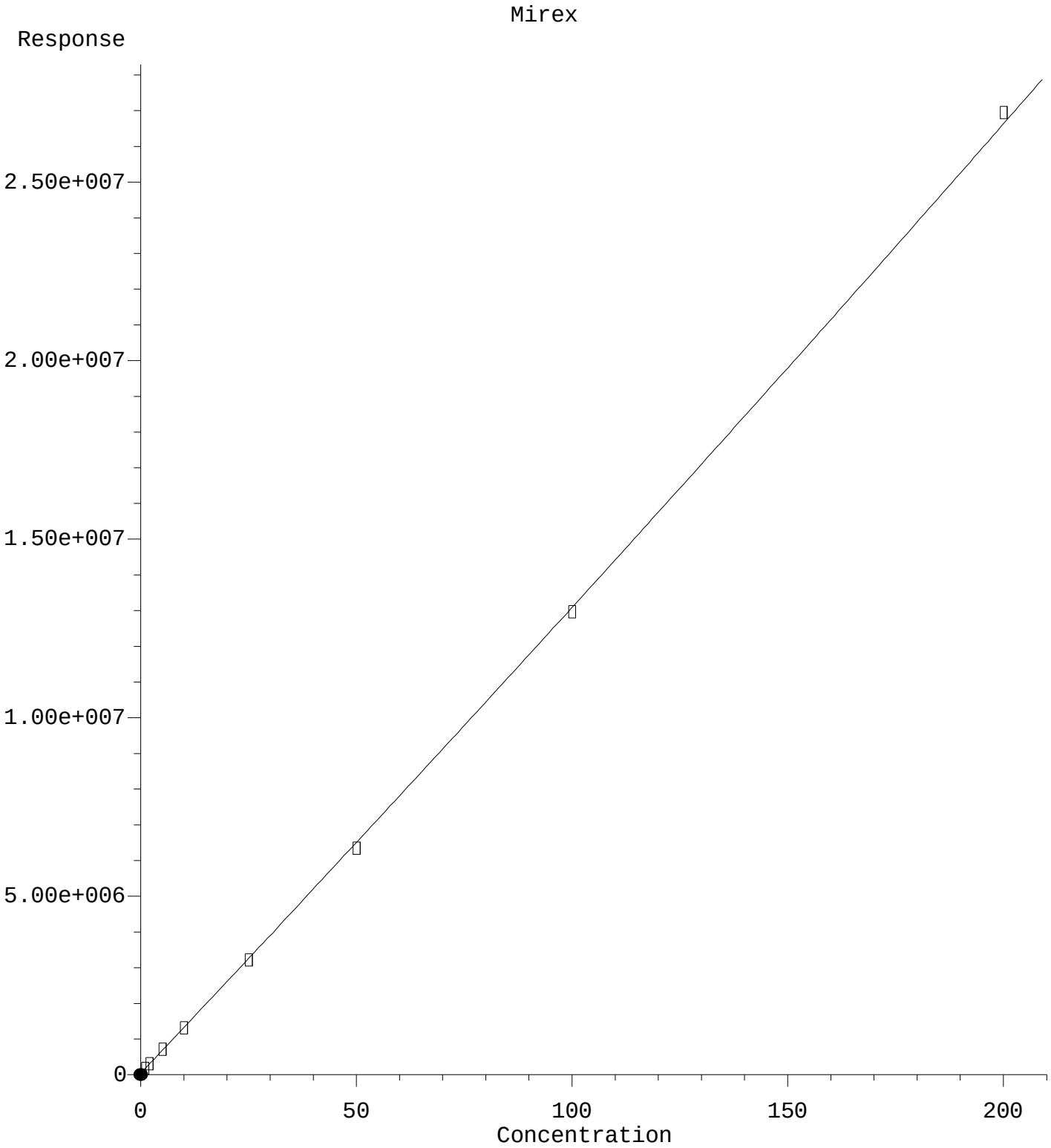


QEdit

(28) 2,4'-DDD
7.852min 0.569 ng/mL
response 77449

(28) 2,4'-DDD #2
~~8.382min~~ ~~11883.305 ng/mL m~~
response ~~2060~~

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:44:33 2021 Page: 1

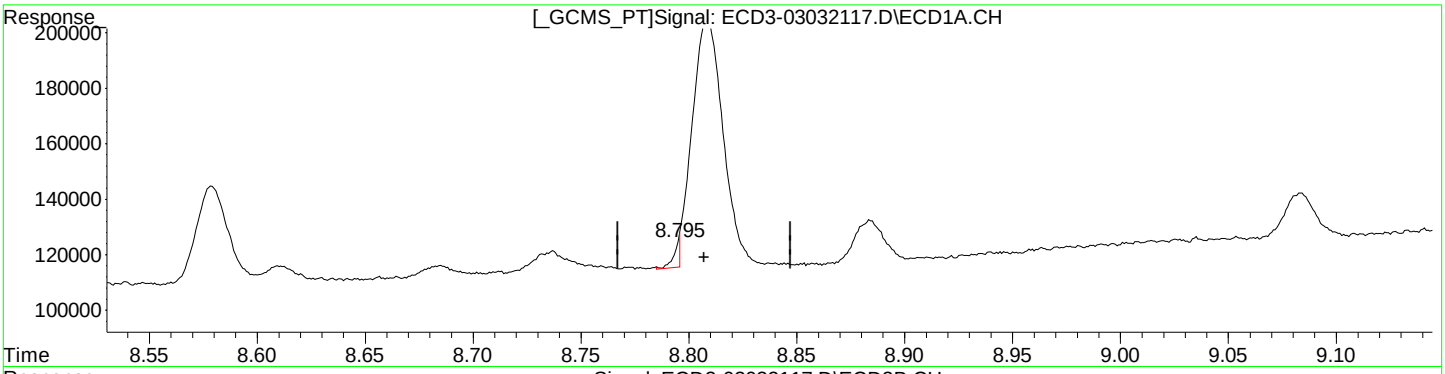


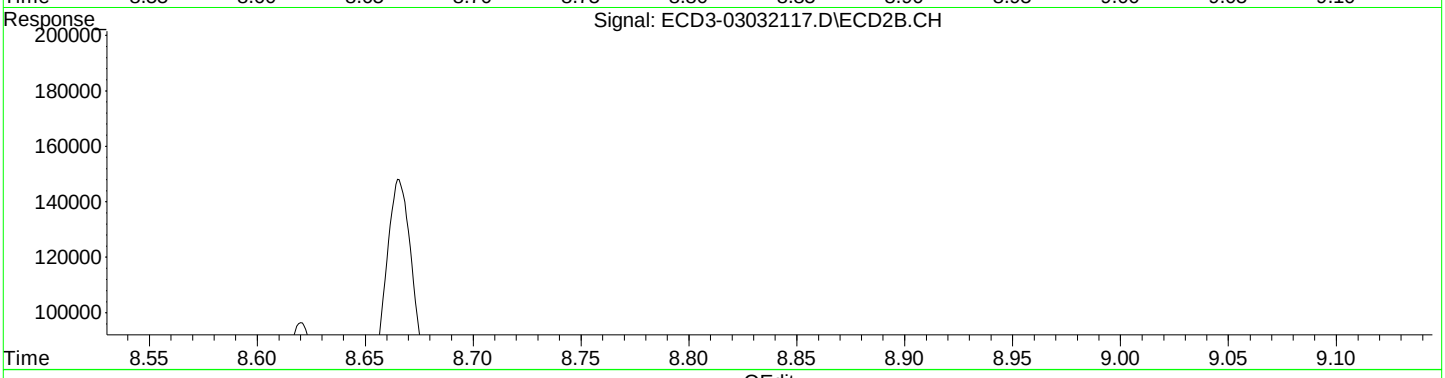
R = 2.55e+001 A*A + 1.28e+005 A + 4.74e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



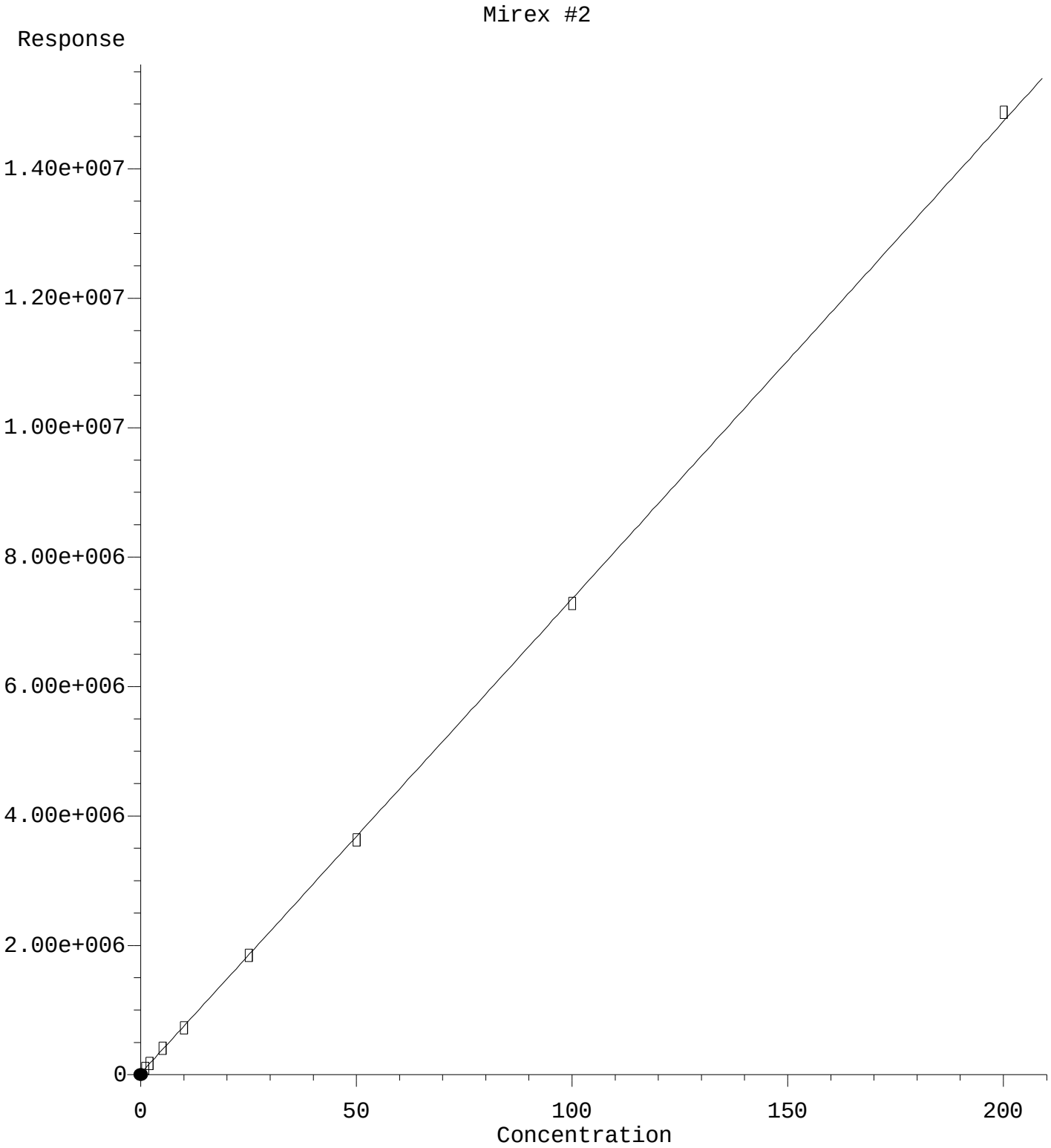


QEdit

(31) Mirex
8.795min -0.299 ng/mL m
response 9205

(31) Mirex #2
9.580min 0.725 ng/mL
response 75831

(+) = Expected Retention Time

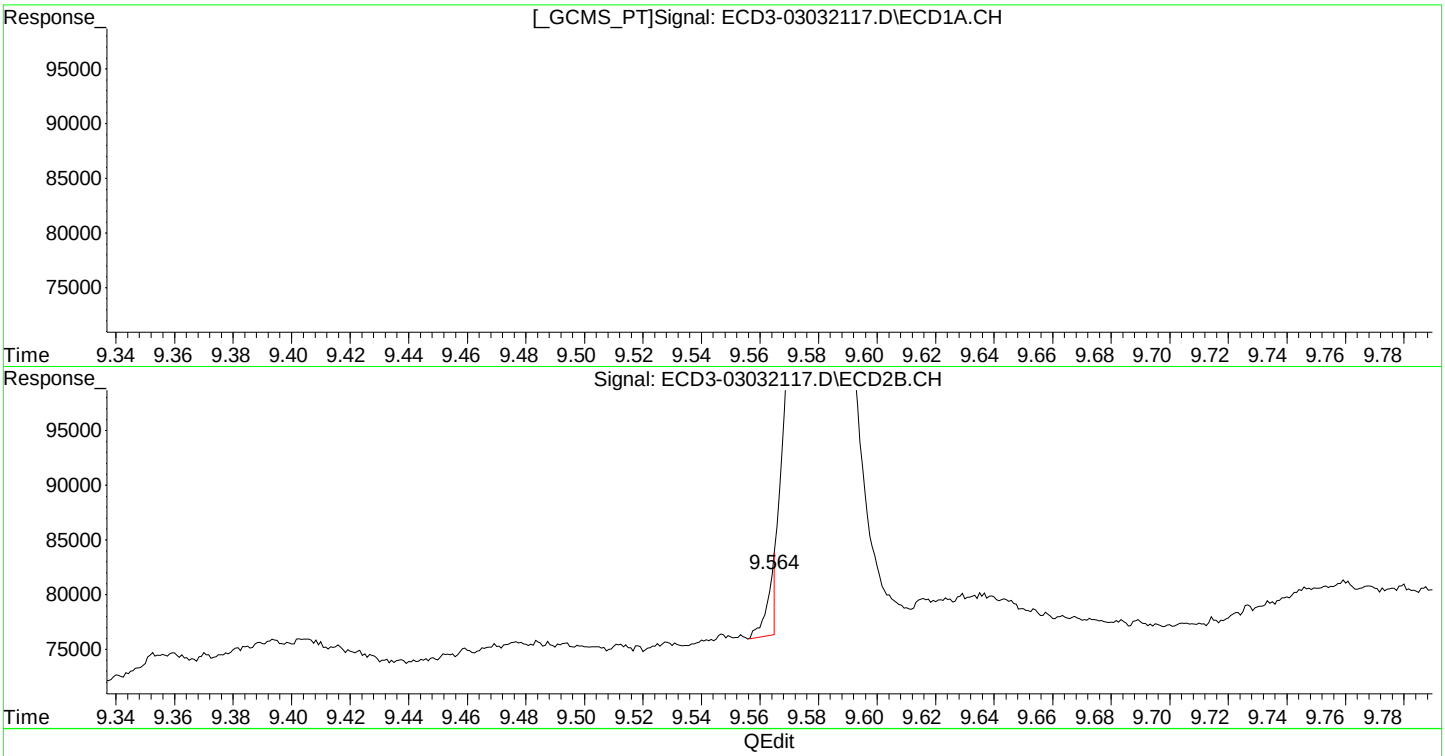


R = 2.53e+000 A*A + 7.31e+004 A + 2.29e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

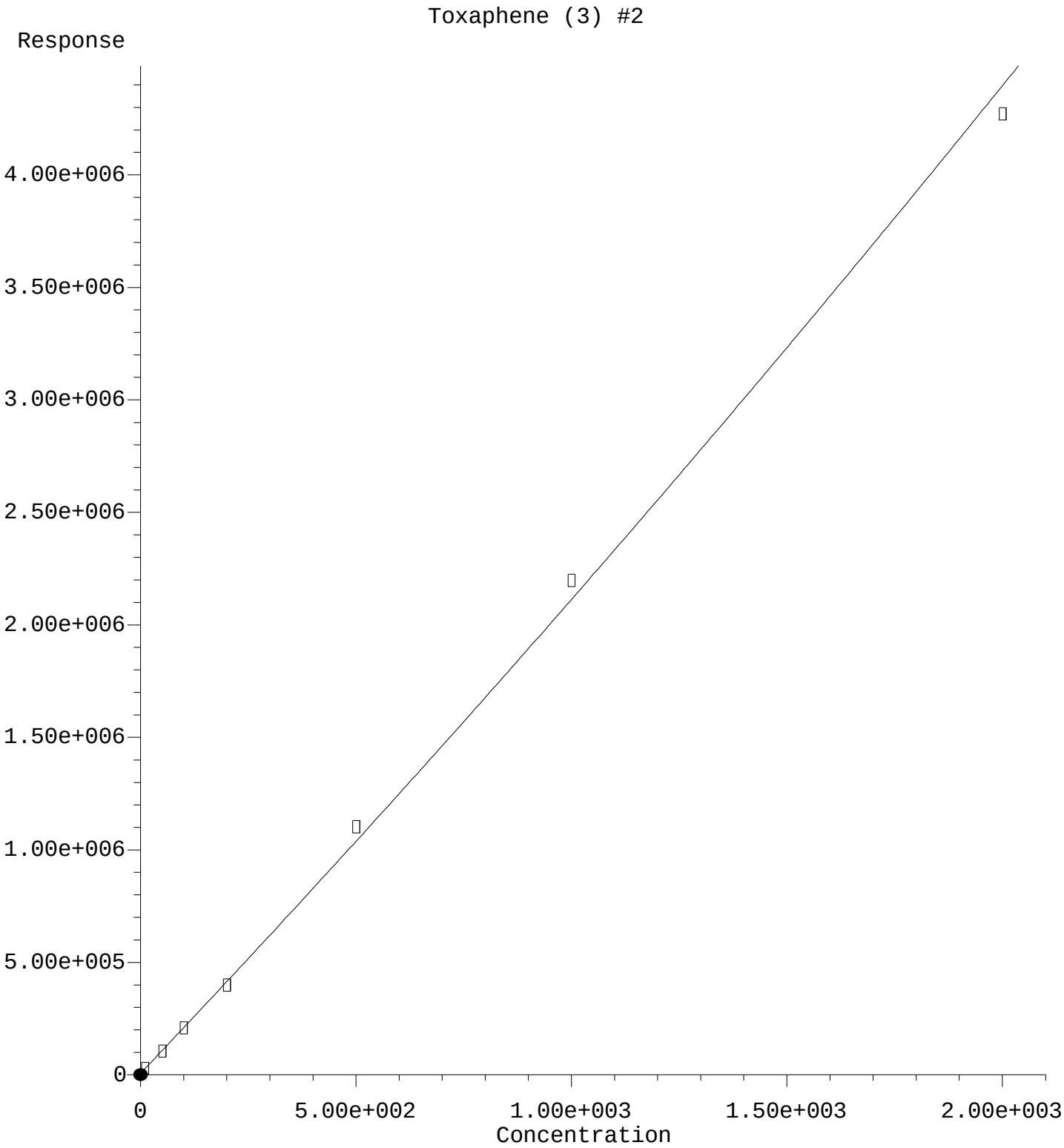
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex
8.795min -0.299 ng/mL m
response 9205

(31) Mirex #2
9.564min -0.237 ng/mL m
response 5591

(+) = Expected Retention Time
ECD3_QUANTPEST_210303.M Thu Mar 04 14:44:50 2021 Page: 1

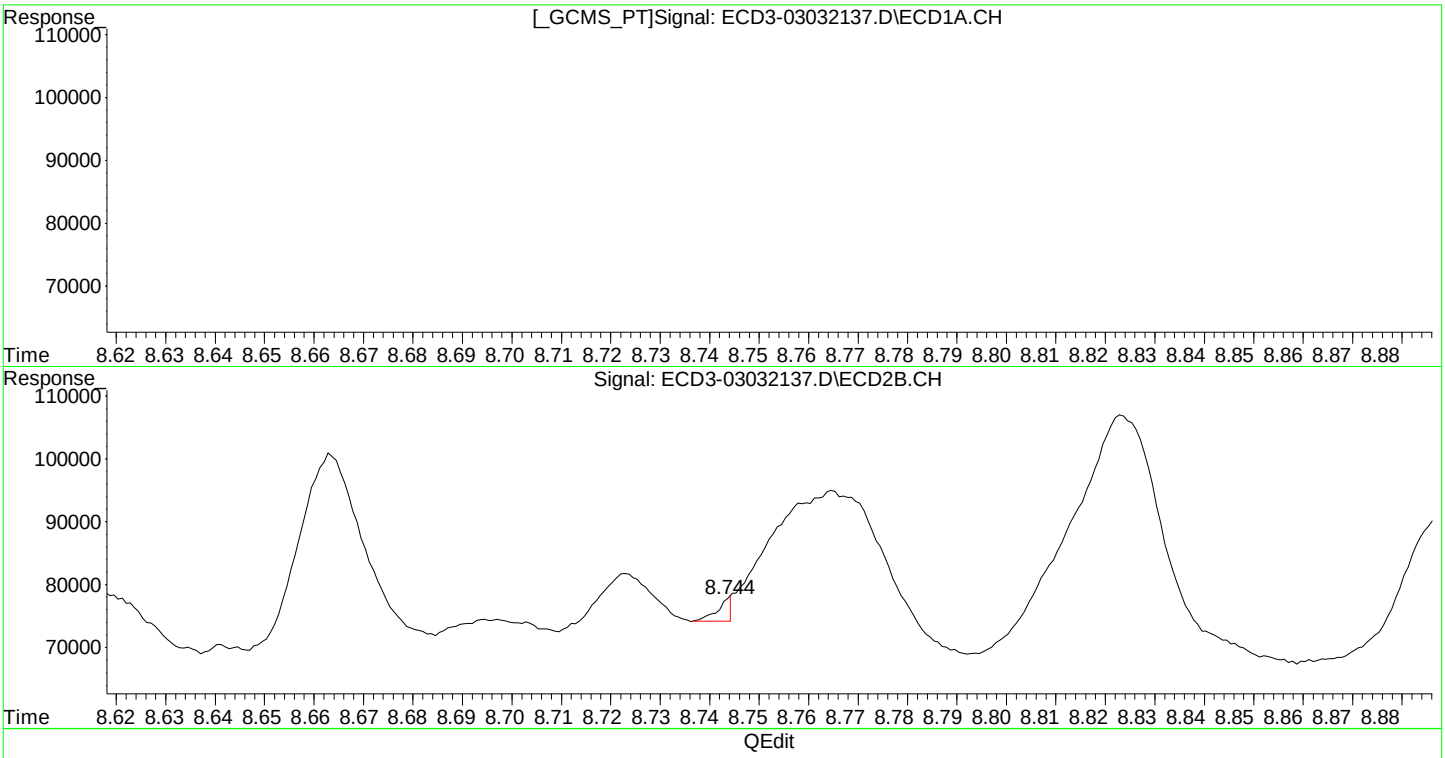


R = 8.89e-002 A*A + 2.02e+003 A + 7.88e+003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Calibration Table Last Updated: Thu Mar 04 12:31:32 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(38) Toxaphene (3)
8.277min 10.561 ng/mL
response 41602

(38) Toxaphene (3) #2
8.744min -2.113 ng/mL m
response 3618

(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:04:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.535	5.915	19650605	11804546	95.014	98.272	
22) S	DCBP (S)	9.753	10.434	12887674	6876750	100.054	101.415	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.487f	0	5127	N.D.	0.037	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.560	8.049	11377	17525	42734.637	4677.057	#
10)	cis-Chlor...	7.680	0.000	25403	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.724	0.000	5468	0	BelowCal	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	8.802f	0	11768	N.D.	BelowCal	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.580	9.003	13296	9858	BelowCal	9483.702	
19)	Endosulfa...	8.886	9.197	8619	4400	BelowCal	BelowCal	
20)	Methoxychlor	8.687	0.000	2680	0	BelowCal	N.D.	
21)	Endrin Ke...	9.085	9.586	4505	2981	BelowCal	BelowCal	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.921	0.000	35165	0	0.007	N.D.	#
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	8.049f	0	17525	N.D.	0.191	#
27)	trans-Non...	7.680f	0.000	25403	0	0.116	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:04:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

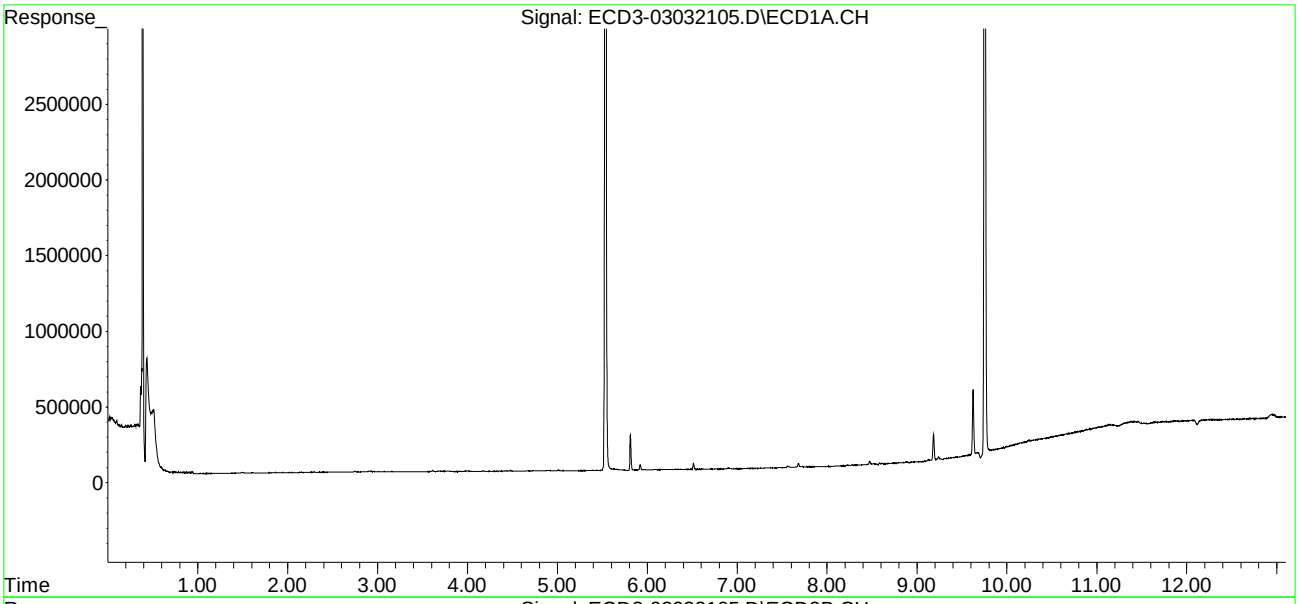
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.802	9.586	5225	2981	BelowCal	BelowCal	
32)	Chlordane...	7.560	8.049	11377	17525	0.466	1.119	#
33)	Chlordane...	7.680	0.000	25403	0	1.069	N.D.	#
34)	Chlordane...	8.225	8.802	2042	11768	0.293	2.908	#
35)	Chlordane...	0.000	3.705f	0	3472	N.D.	NoCal	
36)	Toxaphene...	7.680f	0.000	25403	0	25.538	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.520	8.802f	9812	11768	2.346	3.275	
40)	Toxaphene...	0.000	9.003	0	9858	N.D.	4.646	#
41)	Toxaphene...	8.802	0.000	5225	0	1.481	N.D.	#
42)	Toxaphene...	0.000	3.705f	0	3472	N.D.	NoCal	

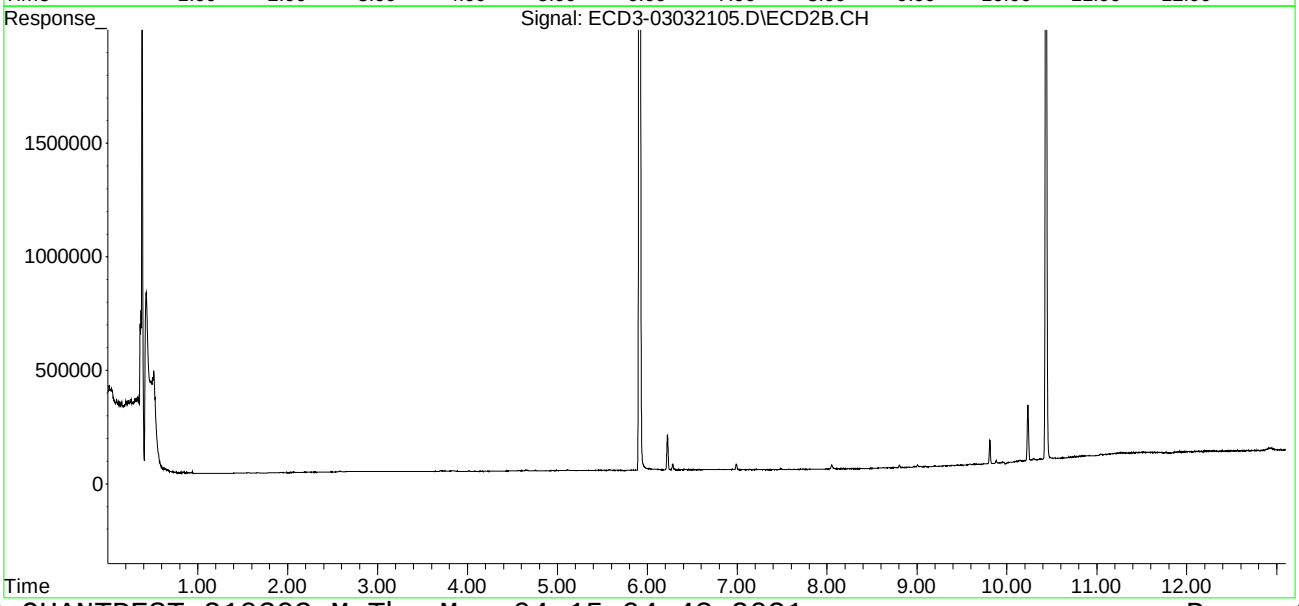
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:04:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

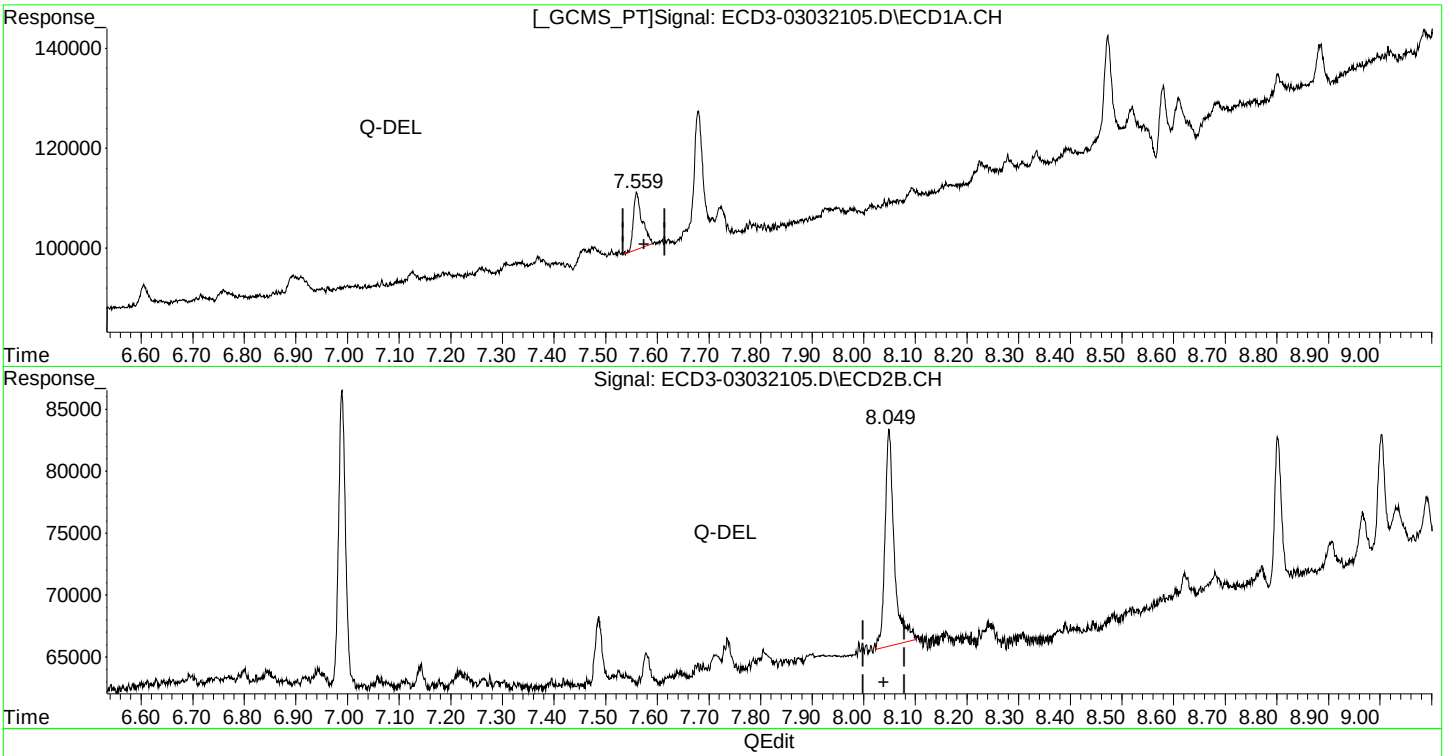




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:04:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(9) trans-Chlordane

~~7.560min 42734.637 ng/mL~~

response ~~11377~~

(9) trans-Chlordane #2

~~8.049min 4677.057 ng/mL~~

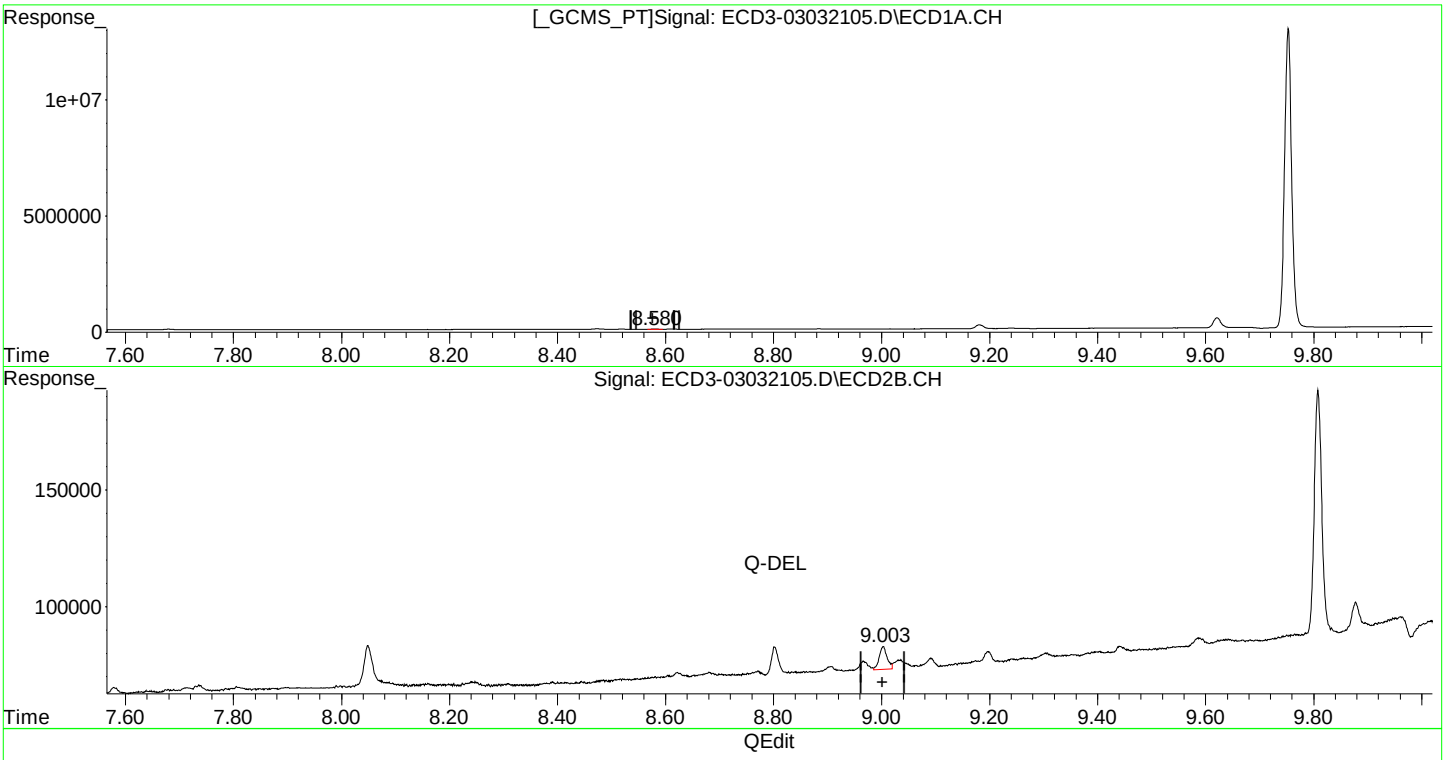
response ~~17525~~

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:04:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(18) Endrin Aldehyde
8.580min -0.854 ng/mL
response 13296

(18) Endrin Aldehyde #2
~~9.003min~~ ~~9483.702 ng/mL~~
response ~~9858~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1 MJB 3/4/21
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:05:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.535	5.915	19650605	11804546	95.014	98.272
22) S	DCBP (S)	9.753	10.434	12887674	6876750	100.054	101.415
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	Aldrin	0.000	7.487f	0	5127	N.D.	0.037 #
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	7.680	0.000	25403	0	BelowCal	N.D.
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12)	4,4'-DDE	7.724	0.000	5468	0	BelowCal	N.D.
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfa...	0.000	8.802f	0	11768	N.D.	BelowCal
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin Al...	8.580	0.000	13296	0	BelowCal	N.D. d
19)	Endosulfa...	8.886	9.197	8619	4400	BelowCal	BelowCal
20)	Methoxychlor	8.687	0.000	2680	0	BelowCal	N.D.
21)	Endrin Ke...	9.085	9.586	4505	2981	BelowCal	BelowCal
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.921	0.000	35165	0	0.007	N.D. #
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	0.000	8.049f	0	17525	N.D.	0.191 #
27)	trans-Non...	7.680f	0.000	25403	0	0.116	N.D. #
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:05:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

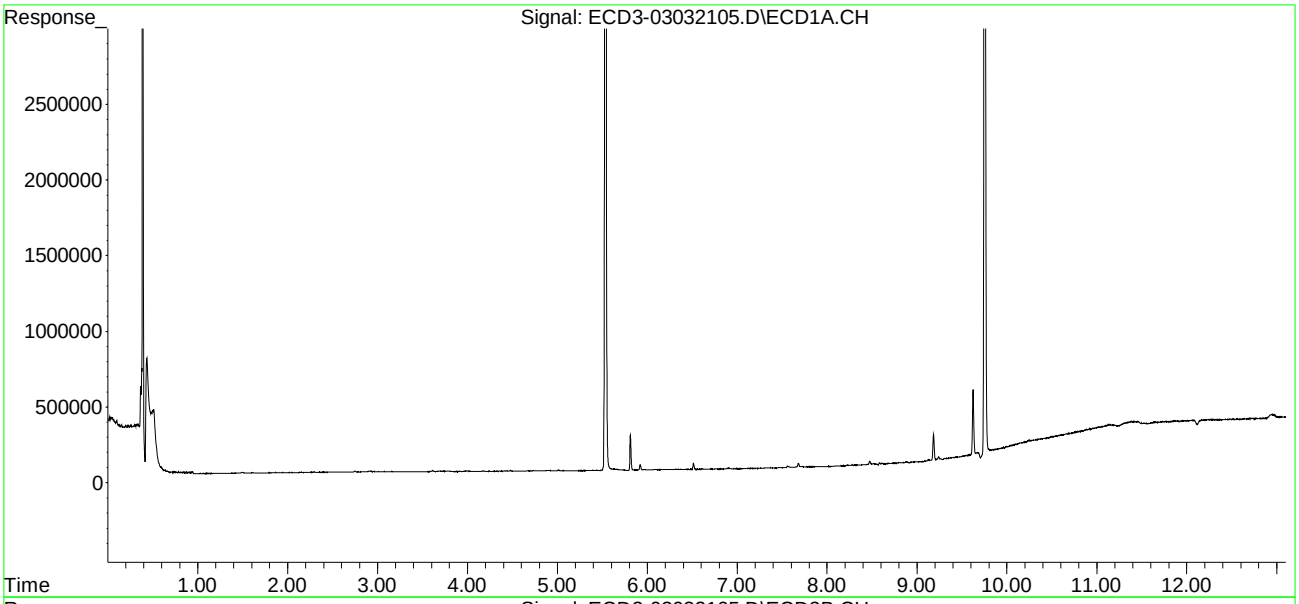
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.802	9.586	5225	2981	BelowCal	BelowCal	
32)	Chlordane...	7.560	8.049	11377	17525	0.466	1.119	#
33)	Chlordane...	7.680	0.000	25403	0	1.069	N.D.	#
34)	Chlordane...	8.225	8.802	2042	11768	0.293	2.908	#
35)	Chlordane...	0.000	3.705f	0	3472	N.D.	NoCal	
36)	Toxaphene...	7.680f	0.000	25403	0	25.538	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.520	8.802f	9812	11768	2.346	3.275	
40)	Toxaphene...	0.000	9.003	0	9858	N.D.	4.646	#
41)	Toxaphene...	8.802	0.000	5225	0	1.481	N.D.	#
42)	Toxaphene...	0.000	3.705f	0	3472	N.D.	NoCal	

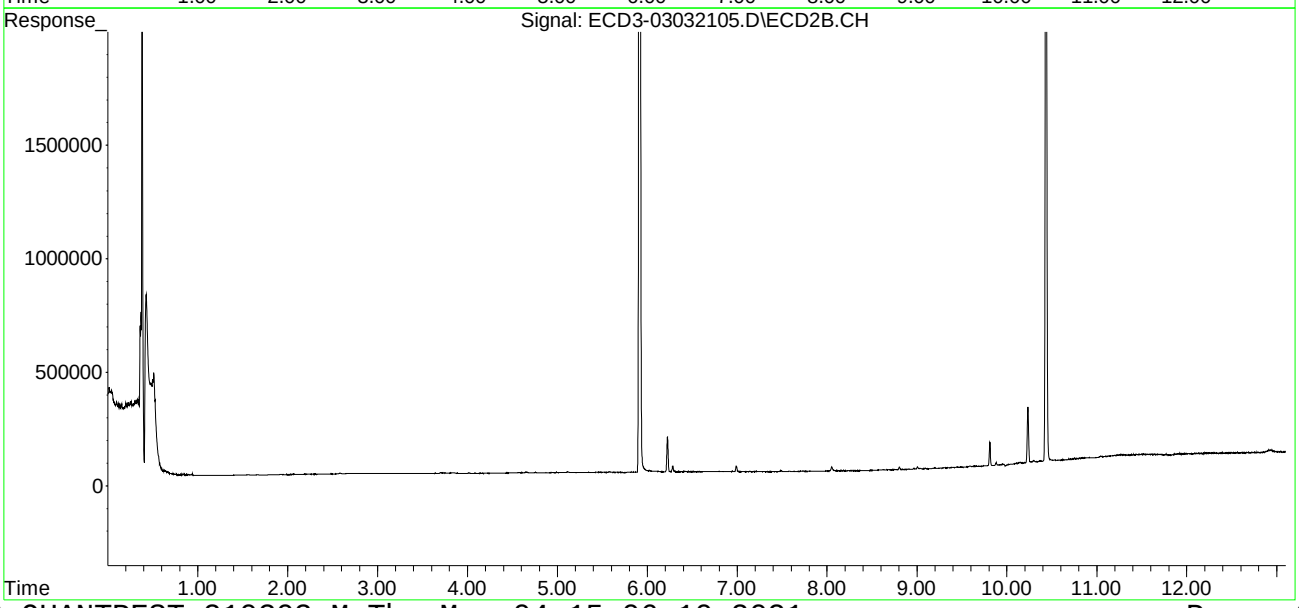
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:23
Operator : MJB
Sample : 1C03049-ICB1
Misc : A21A259
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:05:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:16
Operator : MJB
Sample : 1C03049-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.749	10.430	3662	5067	7577.987	2737.981	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	7.213	0	4050	N.D.	0.031	#
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.445f	0.000	7978	0	2648.934	N.D.	#
9)	trans-Chl...	0.000	8.053	0	11762	N.D.	4677.104	#
10)	cis-Chlor...	7.683	8.146	14691	3786	BelowCal	3124.874	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.686f	0.000	13924	0	BelowCal	N.D.	
13)	Dieldrin	7.926f	0.000	4612	0	BelowCal	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	8.806f	0	10659	N.D.	BelowCal	
17)	4,4'-DDT	8.377f	0.000	7281	0	0.050	N.D.	#
18)	Endrin Al...	8.578	9.002	12397	7166	BelowCal	9483.737	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	9.318f	0	1536	N.D.	BelowCal	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	3.643	0	7105	N.D.	1282.030	#
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.428f	0.000	8601	0	0.045	N.D.	#
26)	2,4'-DDE	7.445f	8.053f	7978	11762	0.054	0.128	#
27)	trans-Non...	7.683f	8.137f	14691	3584	0.067	0.028	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:16
Operator : MJB
Sample : 1C03049-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

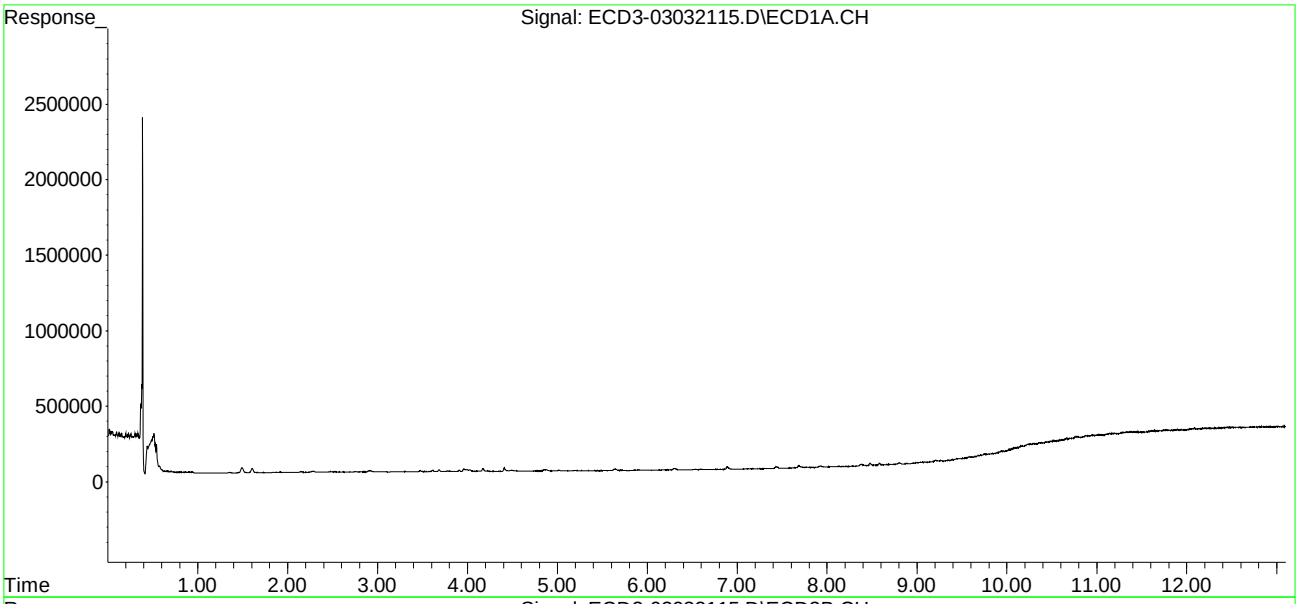
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.805	0.000	4547	0	BelowCal	N.D.	
32)	Chlordane...	0.000	8.053	0	11762	N.D.	0.751	#
33)	Chlordane...	7.683	8.146	14691	3786	0.618	0.288	#
34)	Chlordane...	0.000	8.806	0	10659	N.D.	2.634	#
35)	Chlordane...	3.684f	3.721f	11529	9254	NoCal	NoCal	
36)	Toxaphene...	7.683f	0.000	14691	0	14.769	N.D.	#
37)	Toxaphene...	7.926f	0.000	4612	0	2.305	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.475f	8.806	16245	10659	3.884	2.967	
40)	Toxaphene...	0.000	9.002	0	7166	N.D.	3.377	#
41)	Toxaphene...	8.805	0.000	4547	0	1.289	N.D.	#
42)	Toxaphene...	3.684f	3.721f	11529	9254	NoCal	NoCal	

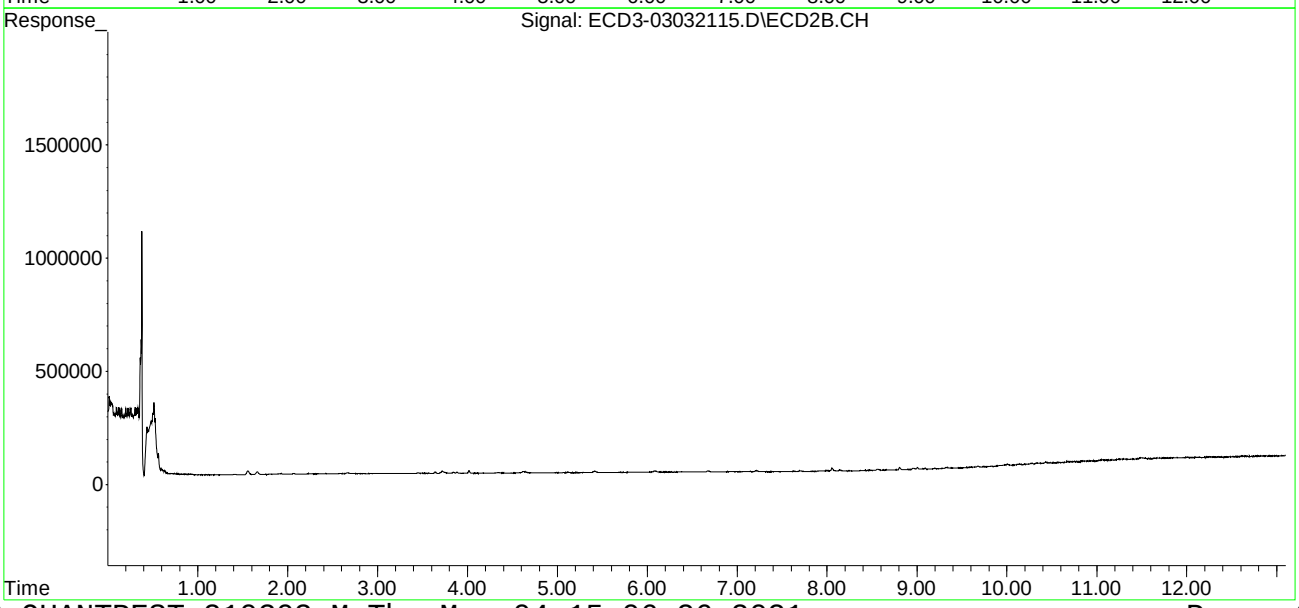
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:16
Operator : MJB
Sample : 1C03049-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:33
Operator : MJB
Sample : 1C03049-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.534	5.915	10526740	6491768	50.899	52.554	
22) S	DCBP (S)	9.751	10.432	6796530	3590057	52.349	51.859	
	Target Compounds							
2)	a-BHC	6.086	6.512	14329974	8966594	51.815	51.224	
3)	g-BHC	6.372	6.827	12427057	7658387	51.108	50.583	
4)	b-BHC	6.452	6.893	5402790	3389851	52.964	52.175	
5)	Heptachlor	6.770	7.201	10806790	6473974	49.116	49.843	
6)	d-BHC	6.603	7.141	12128467	7403717	50.418	52.814	
7)	Aldrin	7.012	7.464	12154014	7342475	53.401	52.379	
8)	Heptachlo...	7.483	7.900	10253768	6285675	53.157	53.492	
9)	trans-Chl...	7.575	8.040	10761030	6506232	52.720	53.990	
10)	cis-Chlor...	7.673	8.147	10230924	6083797	52.387	52.851	
11)	Endosulfa...	7.776	8.197	9500559	5768454	52.816	53.101	
12)	4,4'-DDE	7.724	8.249	10985398	6715285	52.832	53.759	
13)	Dieldrin	7.950	8.396	10632578	6447192	52.963	52.480	
14)	Endrin	8.119	8.620	8223762	4798181	52.511	53.736	
15)	4,4'-DDD	8.154	8.663	9487559	5460025	53.996	53.814	
16)	Endosulfa...	8.280	8.767	8243695	5081390	52.754	52.852	
17)	4,4'-DDT	8.350	8.888	7627285	4126237	52.637	54.113	
18)	Endrin Al...	8.576	9.002	7651807	4530773	55.290	57.059	
19)	Endosulfa...	8.882	9.197	8057828	4600977	53.161	53.733	
20)	Methoxychlor	8.682	9.355	3805561	2150189	52.997	55.165	
21)	Endrin Ke...	9.082	9.589	9156754	5233035	54.354	56.295	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.921	6.399f	25030	4996	16175.971	1560.522	#
25)	Oxychlordane	7.415	7.819	22122	7078	0.116	0.061	#
26)	2,4'-DDE	7.483	8.040	10253768	6506232	69.978	70.871	
27)	trans-Non...	7.673	8.103	10230924	20913	46.577	0.162	#
28)	2,4'-DDD	7.853	8.396	14457	6447192	0.106	83.839	#
29)	2,4'-DDT	8.032	8.620	45312	4798181	0.398	75.600	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:33
Operator : MJB
Sample : 1C03049-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

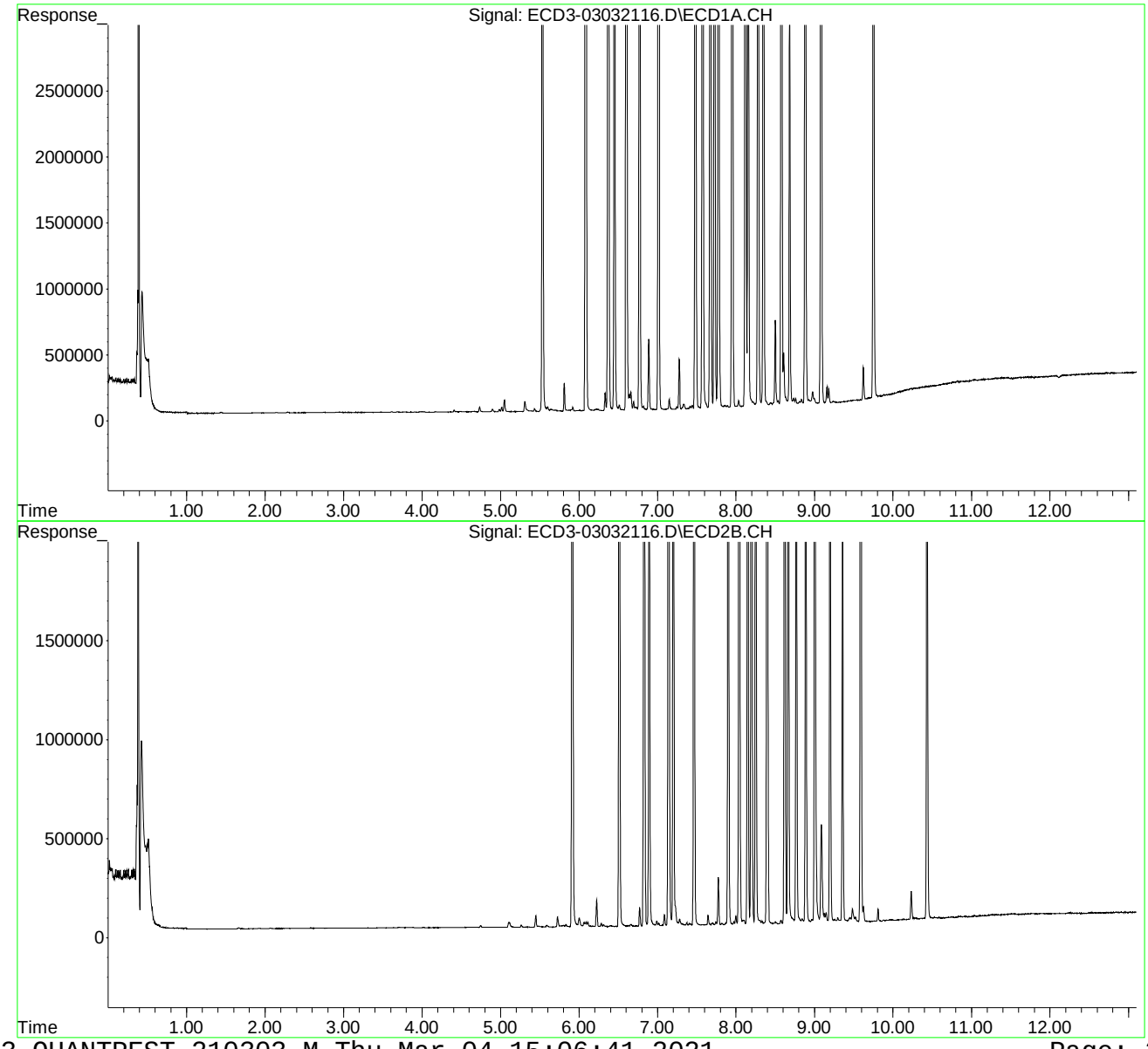
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.119	8.663	8223762	5460025	35.793	40.347	
31)	Mirex	8.808	9.589	19097	5233035	BelowCal	71.144	
32)	Chlordane...	7.575	8.040	10761030	6506232	441.192	415.586	
33)	Chlordane...	7.673	8.147	10230924	6083797	430.406	463.443	
34)	Chlordane...	0.000	8.767f	0	5081390	N.D.	1255.613	#
35)	Chlordane...	0.000	3.705f	0	2411	N.D.	NoCal	
36)	Toxaphene...	7.673	8.396f	10230924	6447192	10285.355	4957.007	#
37)	Toxaphene...	7.950	8.723	10632578	23892	5314.321	16.265	#
38)	Toxaphene...	8.280	8.767	8243695	5081390	2092.632	2285.259	
39)	Toxaphene...	8.498	8.840	641906	22679	153.491	6.313	#
40)	Toxaphene...	8.734	9.002	47473	4530773	15.755	2135.358	#
41)	Toxaphene...	8.808	9.355	19097	2150189	5.415	1010.357	#
42)	Toxaphene...	0.000	3.705f	0	2411	N.D.	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:33
Operator : MJB
Sample : 1C03049-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:33
Operator : MJB
Sample : 1C03049-ICV1 MJB 3/4/21
Misc : A20I130, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.534	5.915	10526740	6491768	50.899	52.554	
22)	S DCBP (S)	9.751	10.432	6796530	3590057	52.349	51.859	
	Target Compounds							
2)	a-BHC	6.086	6.512	14329974	8966594	51.815	51.224	
3)	g-BHC	6.372	6.827	12427057	7658387	51.108	50.583	
4)	b-BHC	6.452	6.893	5402790	3389851	52.964	52.175	
5)	Heptachlor	6.770	7.201	10806790	6473974	49.116	49.843	
6)	d-BHC	6.603	7.141	12128467	7403717	50.418	52.814	
7)	Aldrin	7.012	7.464	12154014	7342475	53.401	52.379	
8)	Heptachlo...	7.483	7.900	10253768	6285675	53.157	53.492	
9)	trans-Chl...	7.575	8.040	10761030	6506232	52.720	53.990	
10)	cis-Chlor...	7.673	8.147	10230924	6083797	52.387	52.851	
11)	Endosulfa...	7.776	8.197	9500559	5768454	52.816	53.101	
12)	4,4'-DDE	7.724	8.249	10985398	6715285	52.832	53.759	
13)	Dieldrin	7.950	8.396	10632578	6447192	52.963	52.480	
14)	Endrin	8.119	8.620	8223762	4798181	52.511	53.736	
15)	4,4'-DDD	8.154	8.663	9487559	5460025	53.996	53.814	
16)	Endosulfa...	8.280	8.767	8243695	5081390	52.754	52.852	
17)	4,4'-DDT	8.350	8.888	7627285	4126237	52.637	54.113	
18)	Endrin Al...	8.576	9.002	7651807	4530773	55.290	57.059	
19)	Endosulfa...	8.882	9.197	8057828	4600977	53.161	53.733	
20)	Methoxychlor	8.682	9.355	3805561	2150189	52.997	55.165	
21)	Endrin Ke...	9.082	9.589	9156754	5233035	54.354	56.295	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.921	6.399f	25030	4996	16175.971	1560.522	#
25)	Oxychlordane	7.415	7.819	22122	7078	0.116	0.061	#
26)	2,4'-DDE	7.483	8.040	10253768	6506232	69.978	70.871	
27)	trans-Non...	7.673	8.103	10230924	20913	46.577	0.162	#
28)	2,4'-DDD	7.853	8.396	14457	6447192	0.106	83.839	#
29)	2,4'-DDT	8.032	8.620	45312	4798181	0.398	75.600	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:33
Operator : MJB
Sample : 1C03049-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

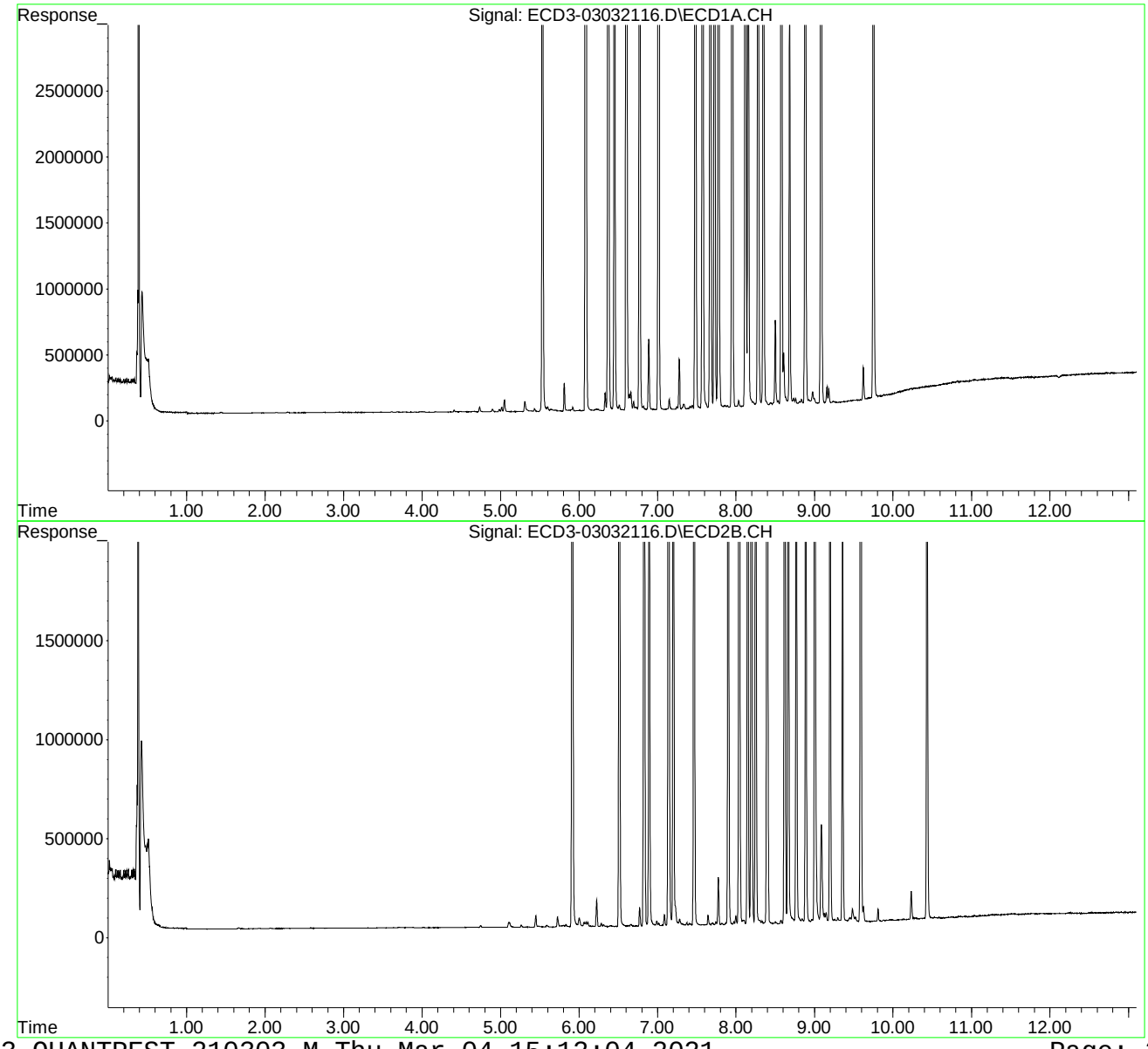
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.119	8.663	8223762	5460025	35.793	40.347	
31)	Mirex	8.808	9.589	19097	5233035	BelowCal	71.144	
32)	Chlordane...	7.575	8.040	10761030	6506232	441.192	415.586	
33)	Chlordane...	7.673	8.147	10230924	6083797	430.406	463.443	
34)	Chlordane...	0.000	8.767f	0	5081390	N.D.	1255.613	#
35)	Chlordane...	0.000	3.705f	0	2411	N.D.	NoCal	
36)	Toxaphene...	7.673	8.396f	10230924	6447192	10285.355	4957.007	#
37)	Toxaphene...	7.950	8.723	10632578	23892	5314.321	16.265	#
38)	Toxaphene...	8.280	8.767	8243695	5081390	2092.632	2285.259	
39)	Toxaphene...	8.498	8.840	641906	22679	153.491	6.313	#
40)	Toxaphene...	8.734	9.002	47473	4530773	15.755	2135.358	#
41)	Toxaphene...	8.808	9.355	19097	2150189	5.415	1010.357	#
42)	Toxaphene...	0.000	3.705f	0	2411	N.D.	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:33
Operator : MJB
Sample : 1C03049-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:06:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:25
Operator : MJB
Sample : 1C03049-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.729f	0.000	2342	0	7577.997	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	8.060f	0	7694	N.D.	4677.138	#
10)	cis-Chlor...	7.696f	8.135	9053	856	BelowCal	3124.900	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.696f	0.000	9053	0	BelowCal	N.D.	
13)	Dieldrin	7.935	0.000	8638	0	BelowCal	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.367	0.000	7412	0	0.051	N.D.	#
18)	Endrin Al...	8.577	0.000	4955	0	BelowCal	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	9.328f	0	3705	N.D.	BelowCal	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	3.641	0	6879	N.D.	1282.031	#
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.429f	0.000	9308	0	0.049	N.D.	#
26)	2,4'-DDE	7.439f	8.060f	9405	7694	0.064	0.084	
27)	trans-Non...	7.696f	8.135f	9053	856	0.041	0.007	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:25
Operator : MJB
Sample : 1C03049-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

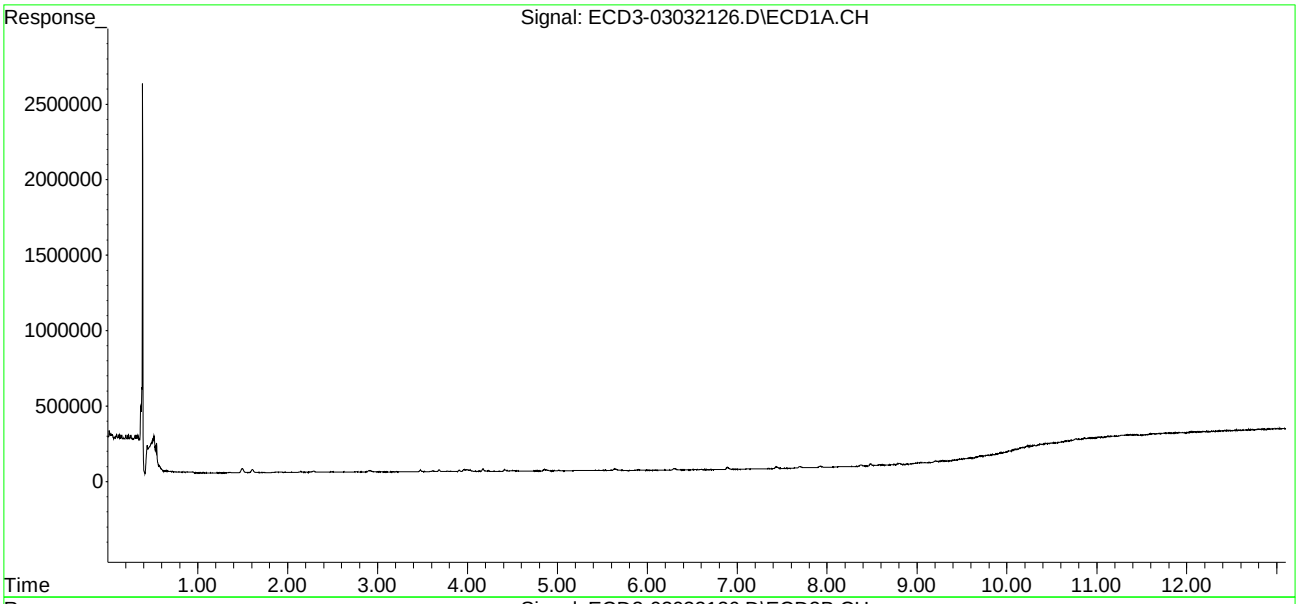
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.806	0.000	7751	0	BelowCal	N.D.	
32)	Chlordane...	0.000	8.060f	0	7694	N.D.	0.491	#
33)	Chlordane...	7.696f	8.135	9053	856	0.381	0.065	#
34)	Chlordane...	0.000	8.807	0	9759	N.D.	2.412	#
35)	Chlordane...	3.683f	3.720f	10499	8770	NoCal	NoCal	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	7.935	0.000	8638	0	4.318	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.477f	8.807	14646	9759	3.502	2.716	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.811	0.000	7214	0	2.046	N.D.	#
42)	Toxaphene...	3.683f	3.720f	10499	8770	NoCal	NoCal	

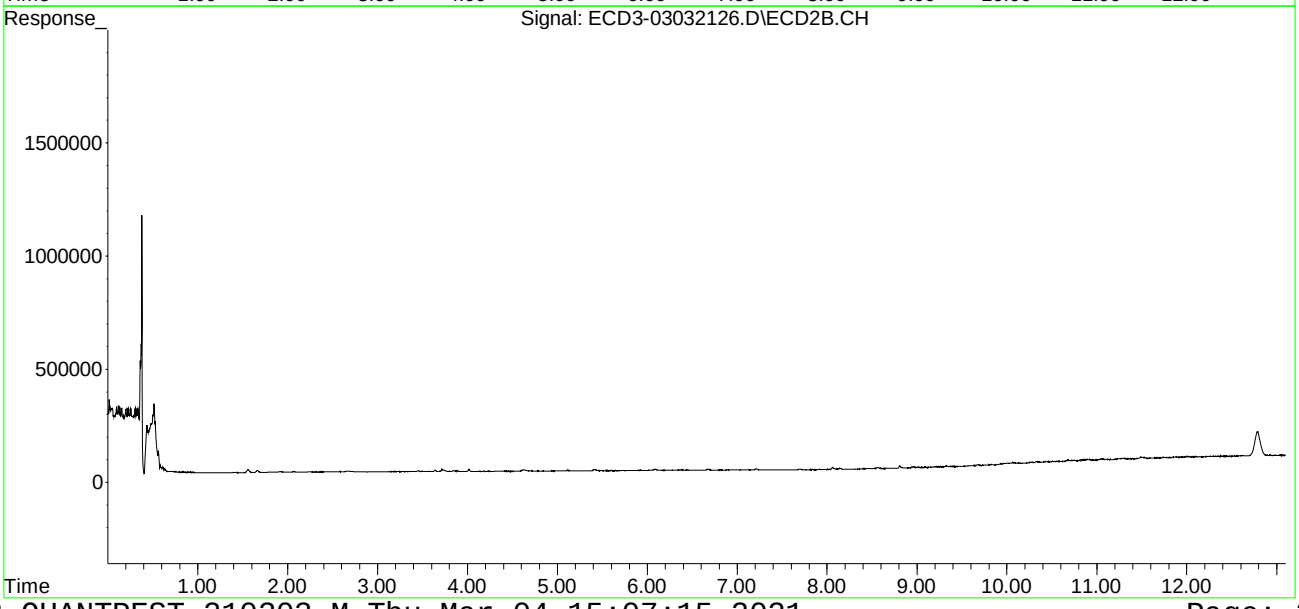
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:25
Operator : MJB
Sample : 1C03049-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:42
Operator : MJB
Sample : 1C03049-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.505f	5.952f	24907	16645	0.120	1787.661	#
22)	S	DCBP (S)	9.749	0.000	2934	0	7577.993	N.D.	#
		Target Compounds							
2)		a-BHC	0.000	6.491f	0	1701	N.D.	0.010	#
3)		g-BHC	6.333f	0.000	3747	0	0.015	N.D.	#
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	6.770	7.200	11675	7670	0.053	0.059	
6)		d-BHC	6.606	7.141	5579	3366	0.023	4083.459	#
7)		Aldrin	7.050f	7.439f	5578	3454	0.025	0.025	
8)		Heptachlo...	7.472	7.937f	6822111	36861	35.050	0.112	#
9)		trans-Chl...	7.574	8.025	165722	4263277	0.653	35.159	#
10)		cis-Chlor...	7.684	8.141	503066	276121	2.334	2.147	
11)		Endosulfa...	7.755	8.212	24673	18828	4235.471	4263.011	
12)		4,4'-DDE	7.755f	8.212f	24673	18828	BelowCal	3509.465	
13)		Dieldrin	7.942	8.397	24006	3888711	BelowCal	31.433	
14)		Endrin	8.137	8.620	10904096	3424153	69.578	38.389	#
15)		4,4'-DDD	8.137	8.665	10904096	6444482	61.981	63.542	
16)		Endosulfa...	0.000	8.805f	0	10802	N.D.	BelowCal	
17)		4,4'-DDT	8.351	0.000	4368	0	0.030	N.D.	#
18)		Endrin Al...	8.573	9.006	11877	3430	BelowCal	9483.784	
19)		Endosulfa...	8.855f	0.000	21341	0	BelowCal	N.D.	
20)		Methoxychlor	0.000	9.378f	0	402	N.D.	BelowCal	
21)		Endrin Ke...	9.084	9.577	3087	3719949	BelowCal	40.316	
23)		Hexachlor...	3.331	3.627	11154079	7802185	47.045	48.628	
24)		Hexachlor...	5.920	6.378	10150198	6268995	47.792	47.025	
25)		Oxychlordane	7.405	7.830	8816804	5352106	46.247	46.227	
26)		2,4'-DDE	7.472	8.025	6822111	4263277	46.558	46.439	
27)		trans-Non...	7.658	8.105	10291532	6076096	46.853	47.060	
28)		2,4'-DDD	7.851	8.397	6430043	3888711	47.210	50.340	
29)		2,4'-DDT	8.032	8.620	6107230	3424153	53.624	53.951	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:42
Operator : MJB
Sample : 1C03049-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

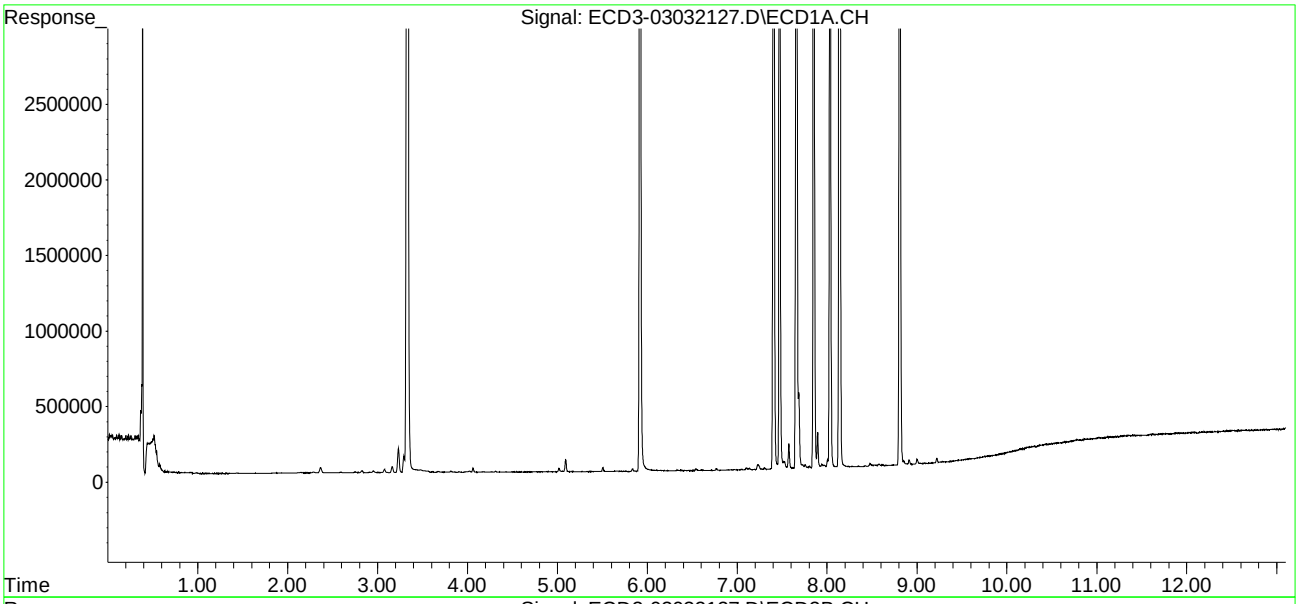
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.665	10904096	6444482	47.459	47.622	
31)	Mirex	8.807	9.577	6631767	3719949	50.983	50.519	
32)	Chlordane...	7.574	8.025	165722	4263277	6.794	272.317	#
33)	Chlordane...	7.684	8.141	503066	276121	21.164	21.034	
34)	Chlordane...	0.000	8.805	0	10802	N.D.	2.669	#
35)	Chlordane...	3.674f	3.701	4956	3087	NoCal	NoCal	
36)	Toxaphene...	7.658	8.397f	10291532	3888711	10346.286	2989.886	#
37)	Toxaphene...	7.942	0.000	24006	0	11.998	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.537f	8.805	6653	10802	1.591	3.007	#
40)	Toxaphene...	0.000	9.006	0	3430	N.D.	1.617	#
41)	Toxaphene...	8.807	9.378	6631767	402	1880.481	0.189	#
42)	Toxaphene...	0.000	3.701	0	3087	N.D.	NoCal	

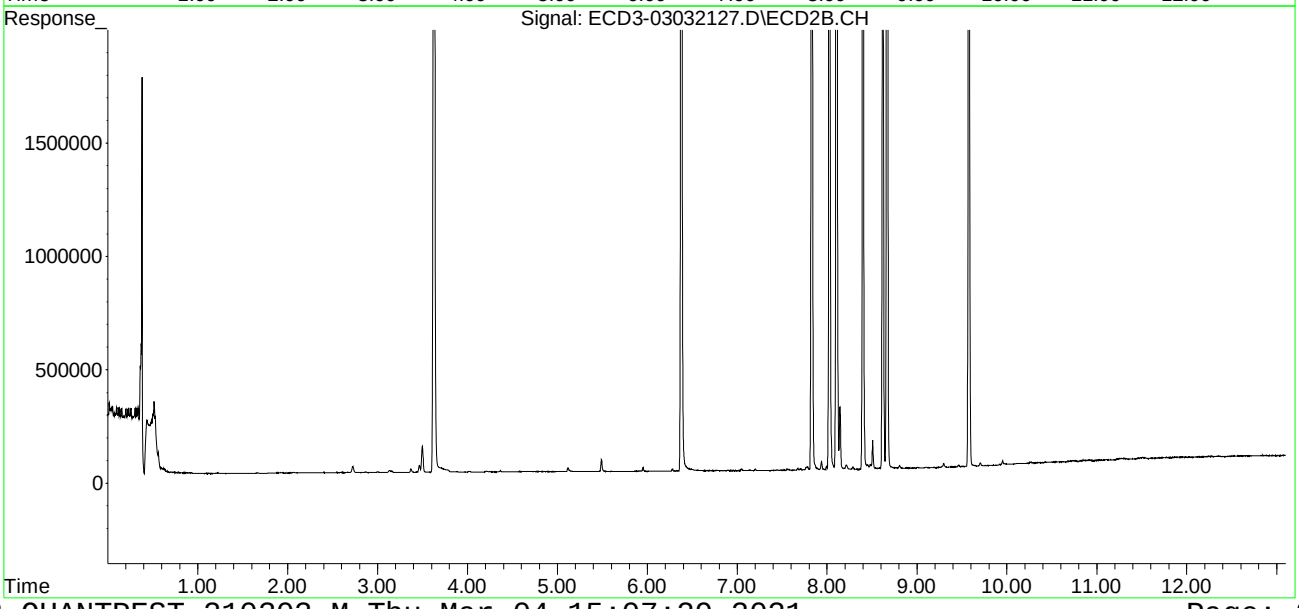
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:42
Operator : MJB
Sample : 1C03049-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:42
Operator : MJB
Sample : 1C03049-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.505f	5.952f	24907	16645	0.120	1787.661	#
22) S	DCBP (S)	9.749	0.000	2934	0	7577.993	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.491f	0	1701	N.D.	0.010	#
3)	g-BHC	6.333f	0.000	3747	0	0.015	N.D.	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.770	7.200	11675	7670	0.053	0.059	
6)	d-BHC	6.606	7.141	5579	3366	0.023	4083.459	#
7)	Aldrin	7.050f	7.439f	5578	3454	0.025	0.025	
8)	Heptachlo...	7.472	7.937f	6822111	36861	35.050	0.112	#
9)	trans-Chl...	7.574	8.025	165722	4263277	0.653	35.159	#
10)	cis-Chlor...	7.684	8.141	503066	276121	2.334	2.147	
11)	Endosulfa...	7.755	8.212	24673	18828	4235.471	4263.011	
12)	4,4'-DDE	7.755f	8.212f	24673	18828	BelowCal	3509.465	
13)	Dieldrin	7.942	8.397	24006	3888711	BelowCal	31.433	
14)	Endrin	8.137	8.620	10904096	3424153	69.578	38.389	#
15)	4,4'-DDD	8.137	8.665	10904096	6444482	61.981	63.542	
16)	Endosulfa...	0.000	8.805f	0	10802	N.D.	BelowCal	
17)	4,4'-DDT	8.351	0.000	4368	0	0.030	N.D.	#
18)	Endrin Al...	8.573	9.006	11877	3430	BelowCal	9483.784	
19)	Endosulfa...	8.855f	0.000	21341	0	BelowCal	N.D.	
20)	Methoxychlor	0.000	9.378f	0	402	N.D.	BelowCal	
21)	Endrin Ke...	9.084	9.577	3087	3719949	BelowCal	40.316	
23)	Hexachlor...	3.331	3.627	11154079	7802185	47.045	48.628	
24)	Hexachlor...	5.920	6.378	10150198	6268995	47.792	47.025	
25)	Oxychlordane	7.405	7.830	8816804	5352106	46.247	46.227	
26)	2,4'-DDE	7.472	8.025	6822111	4263277	46.558	46.439	
27)	trans-Non...	7.658	8.105	10291532	6076096	46.853	47.060	
28)	2,4'-DDD	7.851	8.397	6430043	3888711	47.210	50.340	
29)	2,4'-DDT	8.032	8.620	6107230	3424153	53.624	53.951	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:42
Operator : MJB
Sample : 1C03049-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

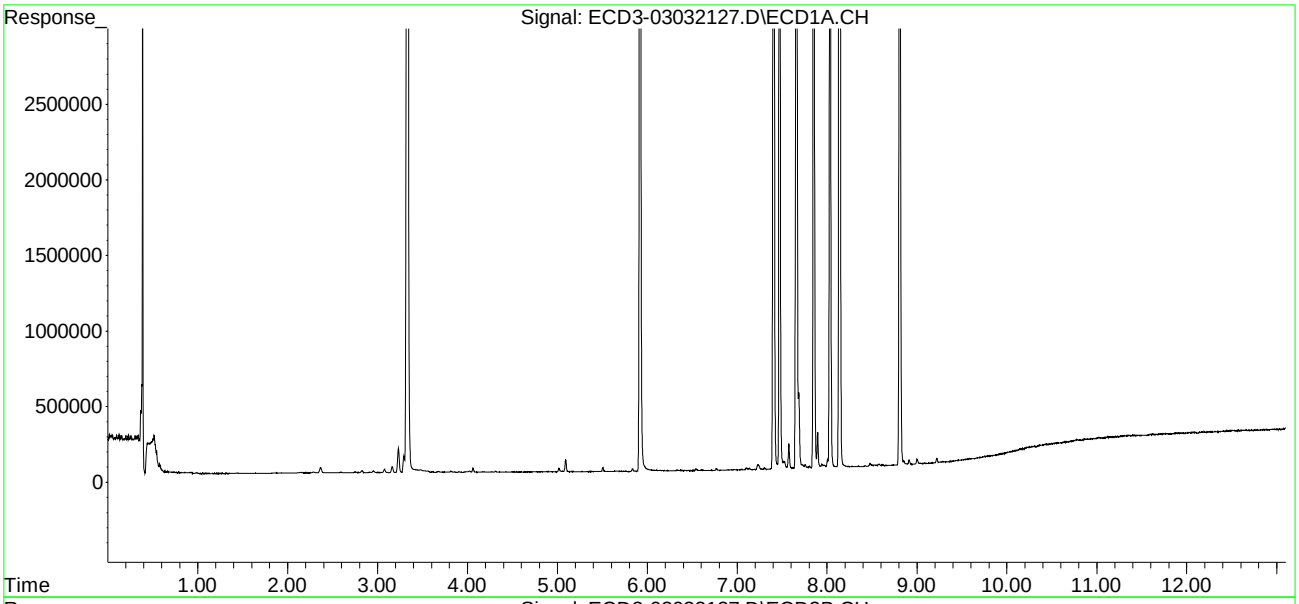
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.665	10904096	6444482	47.459	47.622	
31)	Mirex	8.807	9.577	6631767	3719949	50.983	50.519	
32)	Chlordane...	7.574	8.025	165722	4263277	6.794	272.317	#
33)	Chlordane...	7.684	8.141	503066	276121	21.164	21.034	
34)	Chlordane...	0.000	8.805	0	10802	N.D.	2.669	#
35)	Chlordane...	3.674f	3.701	4956	3087	NoCal	NoCal	
36)	Toxaphene...	7.658	8.397f	10291532	3888711	10346.286	2989.886	#
37)	Toxaphene...	7.942	0.000	24006	0	11.998	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.537f	8.805	6653	10802	1.591	3.007	#
40)	Toxaphene...	0.000	9.006	0	3430	N.D.	1.617	#
41)	Toxaphene...	8.807	9.378	6631767	402	1880.481	0.189	#
42)	Toxaphene...	0.000	3.701	0	3087	N.D.	NoCal	

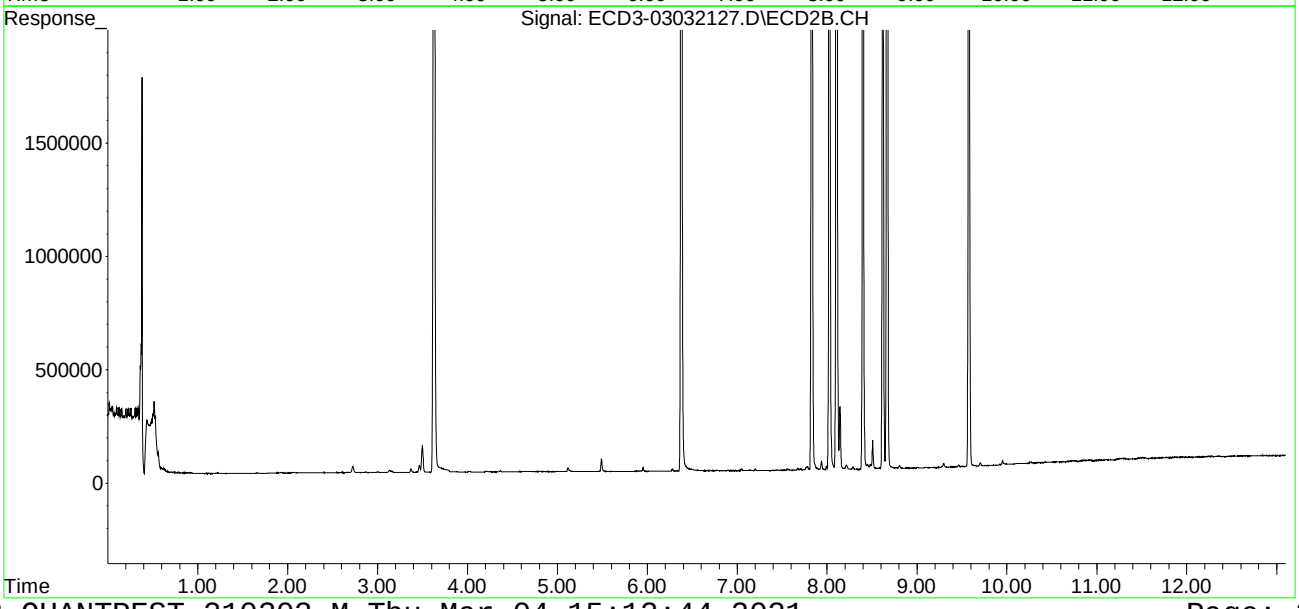
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:42
Operator : MJB
Sample : 1C03049-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:07:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:59
Operator : MJB
Sample : 1C03049-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	7.206	0	2281	N.D.	0.018	#
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	8.065f	0	4800	N.D.	4677.162	#
10)	cis-Chlor...	7.708f	0.000	3309	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.708	0.000	3309	0	BelowCal	N.D.	
13)	Dieldrin	7.926f	0.000	8780	0	BelowCal	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.376f	0.000	8211	0	0.057	N.D.	#
18)	Endrin Al...	8.578	8.964f	4889	3155	BelowCal	9483.788	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	9.329f	0	3746	N.D.	BelowCal	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	3.643	0	7028	N.D.	1282.030	#
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.434f	0.000	9827	0	0.052	N.D.	#
26)	2,4'-DDE	7.439f	0.000	9626	0	0.066	N.D.	#
27)	trans-Non...	0.000	8.079f	0	1781	N.D.	0.014	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:59
Operator : MJB
Sample : 1C03049-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

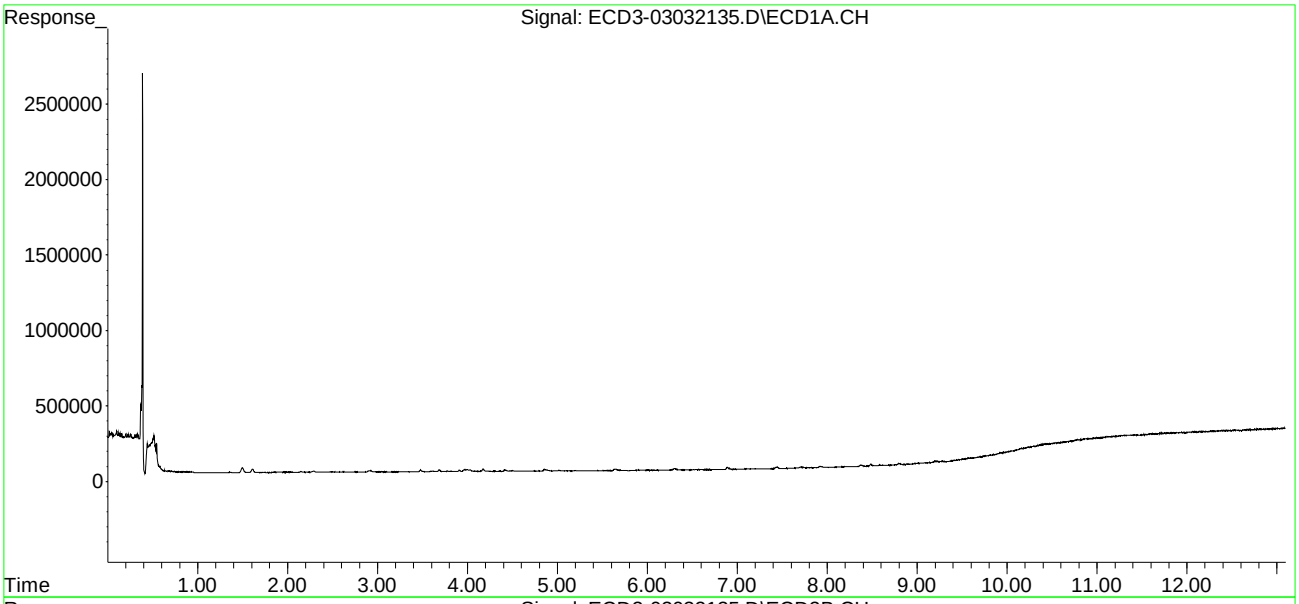
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.812	0.000	6414	0	BelowCal	N.D.	
32)	Chlordane...	0.000	8.065f	0	4800	N.D.	0.307	#
33)	Chlordane...	7.708f	0.000	3309	0	0.139	N.D.	#
34)	Chlordane...	0.000	8.807	0	8219	N.D.	2.031	#
35)	Chlordane...	3.685f	3.643f	10393	7028	NoCal	NoCal	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	7.926f	0.000	8780	0	4.389	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.482f	8.807	10572	8219	2.528	2.288	
40)	Toxaphene...	0.000	8.964f	0	3155	N.D.	1.487	#
41)	Toxaphene...	8.812	0.000	6414	0	1.819	N.D.	#
42)	Toxaphene...	3.685f	3.643f	10393	7028	NoCal	NoCal	

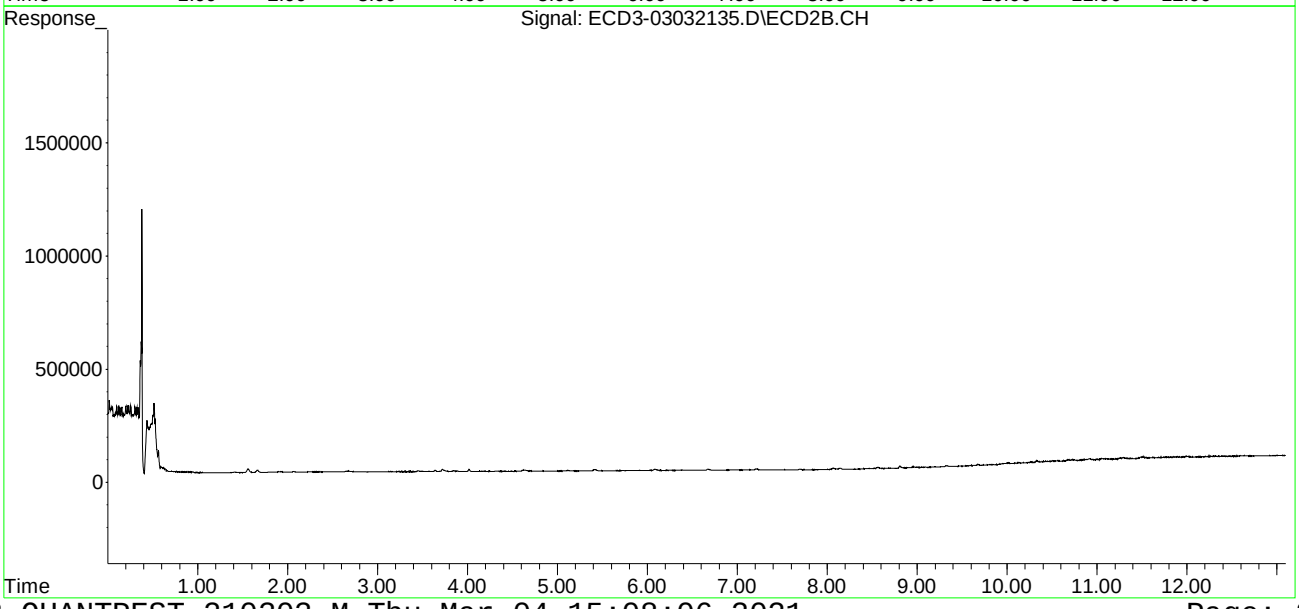
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:59
Operator : MJB
Sample : 1C03049-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:16
Operator : MJB
Sample : 1C03049-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.923	0	3759	N.D.	1787.763	#
22)	S	DCBP (S)	9.736	10.400f	3944	4728	7577.985	2737.986	#
		Target Compounds							
2)		a-BHC	6.106	6.540f	14680	169789	0.053	0.970	#
3)		g-BHC	6.382	6.838	11271	91571	0.046	0.605	#
4)		b-BHC	6.462	6.870f	145268	32022	1.086	0.154	#
5)		Heptachlor	6.770	7.199	5378072	3317296	24.443	25.540	
6)		d-BHC	6.617	7.138	160221	26695	0.666	0.015	#
7)		Aldrin	7.025	7.474	73897	39224	0.325	0.280	
8)		Heptachlo...	7.487	7.917	821383	197164	3.984	1.454	#
9)		trans-Chl...	7.575	8.039	12189894	7997898	59.751	66.600	
10)		cis-Chlor...	7.671	8.146	12002770	6653388	61.457	57.916	
11)		Endosulfa...	7.791	8.211	338772	115032	1.663	0.853	#
12)		4,4'-DDE	7.734	8.244	351902	196028	1.536	1.384	
13)		Dieldrin	7.962	8.397	413267	486551	1.891	3.772	#
14)		Endrin	8.137	8.618	2138662	163332	13.572	1.682	#
15)		4,4'-DDD	8.137	8.666	2138662	1331827	12.123	12.983	
16)		Endosulfa...	8.276	8.756	272521	155987	1.498	1.389	
17)		4,4'-DDT	8.345	8.878	60606	129849	0.418	1.703	#
18)		Endrin Al...	8.590	9.006	68003	50845	BelowCal	9483.181	
19)		Endosulfa...	8.877	9.219f	147029	33098	0.687	0.095	#
20)		Methoxychlor	8.688	9.329f	58497	9450	0.626	0.066	#
21)		Endrin Ke...	9.087	9.589	9326	60787	BelowCal	0.045	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.902	6.347f	25362	20136	16175.969	1560.411	#
25)		Oxychlordane	7.434f	7.846	2466001	128265	12.935	1.108	#
26)		2,4'-DDE	7.487	8.039	821383	7997898	5.606	87.120	#
27)		trans-Non...	7.671	8.105	12002770	5884288	54.644	45.575	
28)		2,4'-DDD	7.853	8.397	361414	486551	2.654	6.087	#
29)		2,4'-DDT	8.049	8.618	125809	163332	1.105	2.573	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:16
Operator : MJB
Sample : 1C03049-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

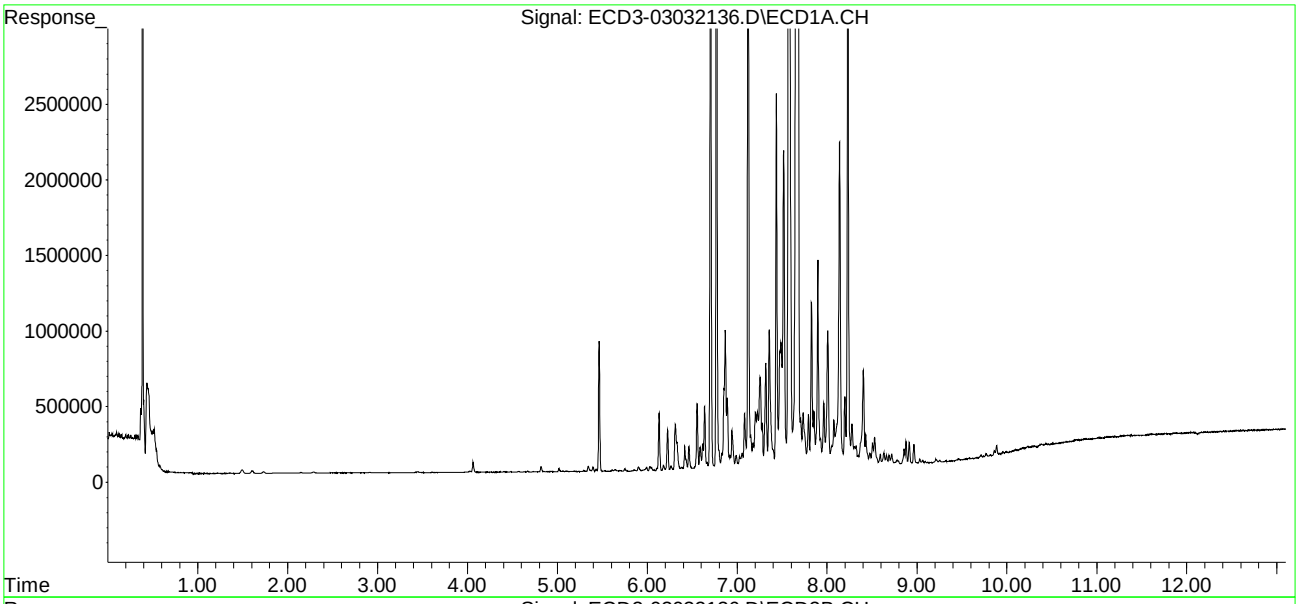
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	2138662	1331827	9.308	9.842	
31)	Mirex	8.791	9.589	19016	60787	BelowCal	0.519	
32)	Chlordane...	7.575	8.039	12189894	7997898	499.774	510.866	
33)	Chlordane...	7.671	8.146	12002770	6653388	504.946	506.832	
34)	Chlordane...	8.229	8.803	3618428	2051882	519.286	507.021	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.671	8.380	12002770	198280	12066.627	152.450	#
37)	Toxaphene...	7.962	8.720	413267	225825	206.557	153.738	
38)	Toxaphene...	8.276	8.756	272521	155987	69.179	73.198	
39)	Toxaphene...	8.504	8.803f	140386	2051882	33.569	571.129	#
40)	Toxaphene...	8.717f	9.006	64413	50845	21.377	23.963	
41)	Toxaphene...	8.791f	9.413f	19016	30447	5.392	14.307	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

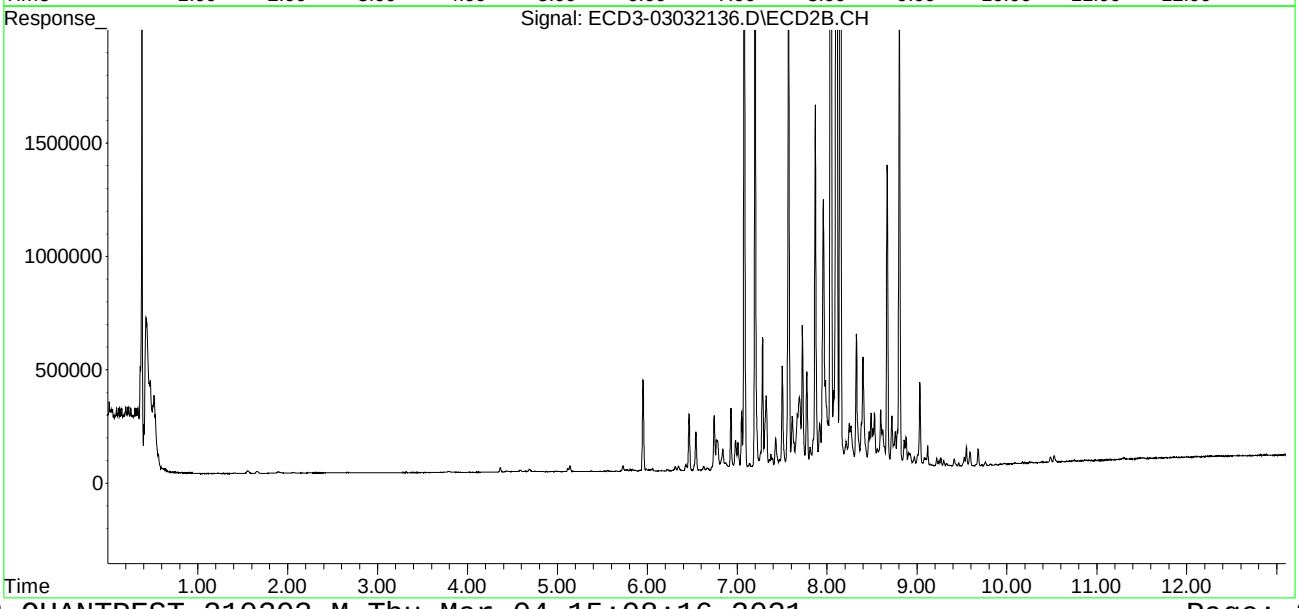
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:16
Operator : MJB
Sample : 1C03049-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:16
Operator : MJB
Sample : 1C03049-ICV3 MJB 3/4/21
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.923	0	3759	N.D.	1787.763	#
22)	S DCBP (S)	9.736	10.400f	3944	4728	7577.985	2737.986	#
	Target Compounds							
2)	a-BHC	6.106	6.540f	14680	169789	0.053	0.970	#
3)	g-BHC	6.382	6.838	11271	91571	0.046	0.605	#
4)	b-BHC	6.462	6.870f	145268	32022	1.086	0.154	#
5)	Heptachlor	6.770	7.199	5378072	3317296	24.443	25.540	
6)	d-BHC	6.617	7.138	160221	26695	0.666	0.015	#
7)	Aldrin	7.025	7.474	73897	39224	0.325	0.280	
8)	Heptachlo...	7.487	7.917	821383	197164	3.984	1.454	#
9)	trans-Chl...	7.575	8.039	12189894	7997898	59.751	66.600	
10)	cis-Chlor...	7.671	8.146	12002770	6653388	61.457	57.916	
11)	Endosulfa...	7.791	8.211	338772	115032	1.663	0.853	#
12)	4,4'-DDE	7.734	8.244	351902	196028	1.536	1.384	
13)	Dieldrin	7.962	8.397	413267	486551	1.891	3.772	#
14)	Endrin	8.137	8.618	2138662	163332	13.572	1.682	#
15)	4,4'-DDD	8.137	8.666	2138662	1331827	12.123	12.983	
16)	Endosulfa...	8.276	8.756	272521	155987	1.498	1.389	
17)	4,4'-DDT	8.345	8.878	60606	129849	0.418	1.703	#
18)	Endrin Al...	8.590	9.006	68003	50845	BelowCal	9483.181	
19)	Endosulfa...	8.877	9.219f	147029	33098	0.687	0.095	#
20)	Methoxychlor	8.688	9.329f	58497	9450	0.626	0.066	#
21)	Endrin Ke...	9.087	9.589	9326	60787	BelowCal	0.045	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.902	6.347f	25362	20136	16175.969	1560.411	#
25)	Oxychlordane	7.434f	7.846	2466001	128265	12.935	1.108	#
26)	2,4'-DDE	7.487	8.039	821383	7997898	5.606	87.120	#
27)	trans-Non...	7.671	8.105	12002770	5884288	54.644	45.575	
28)	2,4'-DDD	7.853	8.397	361414	486551	2.654	6.087	#
29)	2,4'-DDT	8.049	8.618	125809	163332	1.105	2.573	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:16
Operator : MJB
Sample : 1C03049-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

FRONT COLUMN: 508.00
REAR COLUMN: 508.24

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

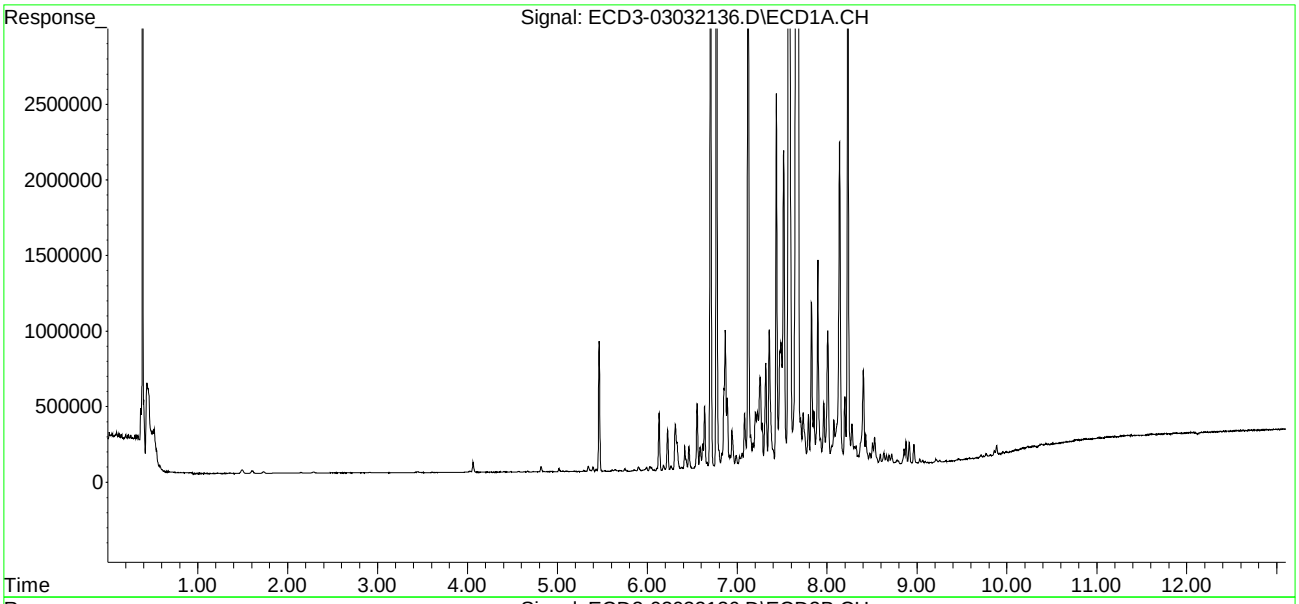
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	2138662	1331827	9.308	9.842	
31)	Mirex	8.791	9.589	19016	60787	BelowCal	0.519	
32)	Chlordane...	7.575	8.039	12189894	7997898	499.774	510.866	
33)	Chlordane...	7.671	8.146	12002770	6653388	504.946	506.832	
34)	Chlordane...	8.229	8.803	3618428	2051882	519.286	507.021	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.671	8.380	12002770	198280	12066.627	152.450	#
37)	Toxaphene...	7.962	8.720	413267	225825	206.557	153.738	
38)	Toxaphene...	8.276	8.756	272521	155987	69.179	73.198	
39)	Toxaphene...	8.504	8.803f	140386	2051882	33.569	571.129	#
40)	Toxaphene...	8.717f	9.006	64413	50845	21.377	23.963	
41)	Toxaphene...	8.791f	9.413f	19016	30447	5.392	14.307	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

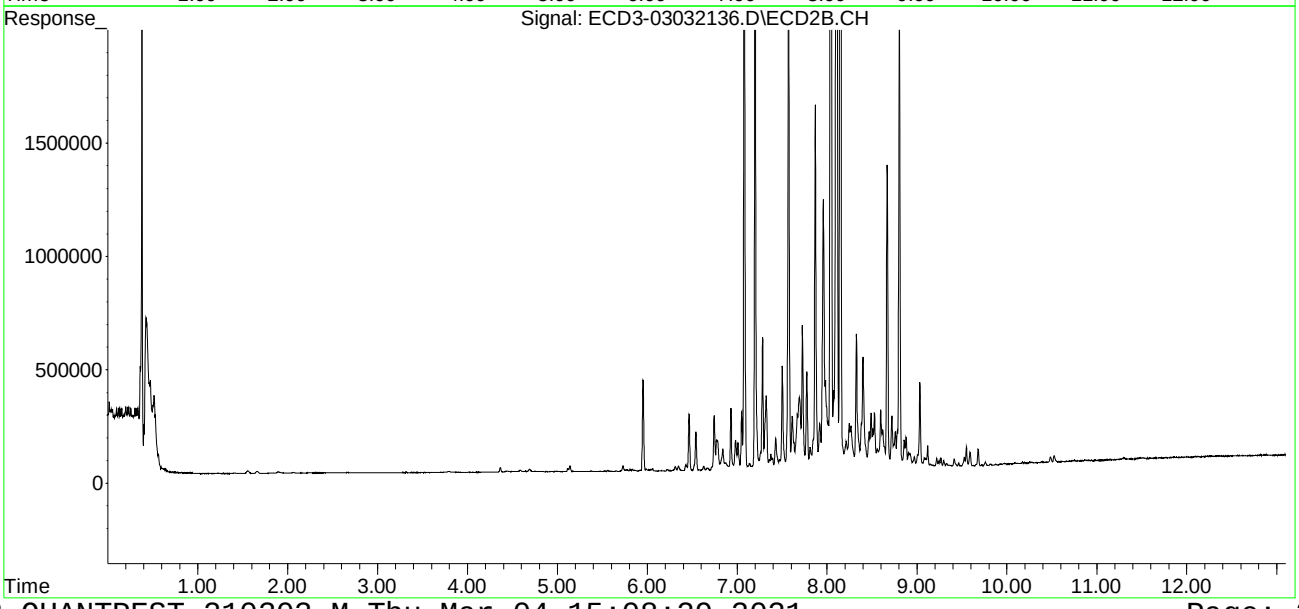
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:16
Operator : MJB
Sample : 1C03049-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

CLEAN

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:33
Operator : MJB
Sample : 1C03049-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	7.208	0	4600	N.D.	0.035	#
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.446f	0.000	8945	0	2648.929	N.D.	#
9)	trans-Chl...	0.000	8.062f	0	2648	N.D.	4677.179	#
10)	cis-Chlor...	7.706f	0.000	1735	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.706	0.000	1735	0	BelowCal	N.D.	
13)	Dieldrin	7.931	0.000	7964	0	BelowCal	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.371f	0.000	8647	0	0.060	N.D.	#
18)	Endrin Al...	8.580	0.000	3182	0	BelowCal	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	3.641	0	6983	N.D.	1282.030	#
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.435f	0.000	10246	0	0.054	N.D.	#
26)	2,4'-DDE	7.446f	8.062f	8945	2648	0.061	0.029	#
27)	trans-Non...	0.000	8.071f	0	1856	N.D.	0.014	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:33
Operator : MJB
Sample : 1C03049-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

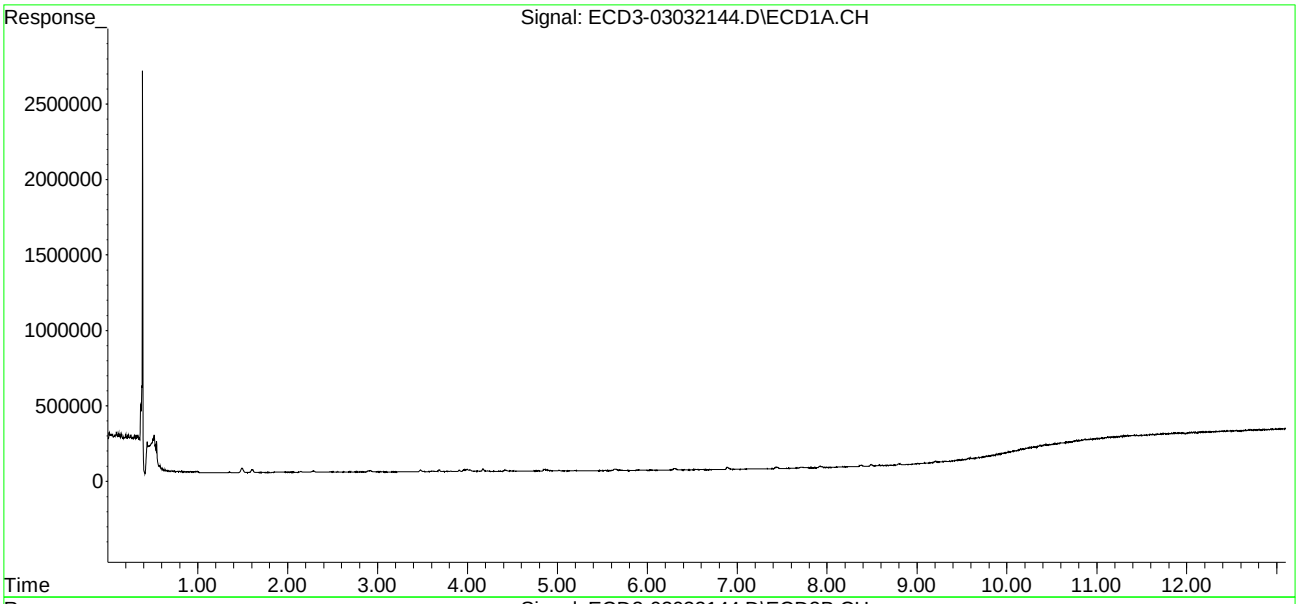
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.807	0.000	6676	0	BelowCal	N.D.	
32)	Chlordane...	0.000	8.062f	0	2648	N.D.	0.169	#
33)	Chlordane...	7.706f	0.000	1735	0	0.073	N.D.	#
34)	Chlordane...	0.000	8.808	0	6992	N.D.	1.728	#
35)	Chlordane...	3.685f	3.721f	10899	7195	NoCal	NoCal	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	7.931f	0.000	7964	0	3.981	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.487f	8.812	10622	6451	2.540	1.796	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.807	0.000	6676	0	1.893	N.D.	#
42)	Toxaphene...	3.685f	3.721f	10899	7195	NoCal	NoCal	

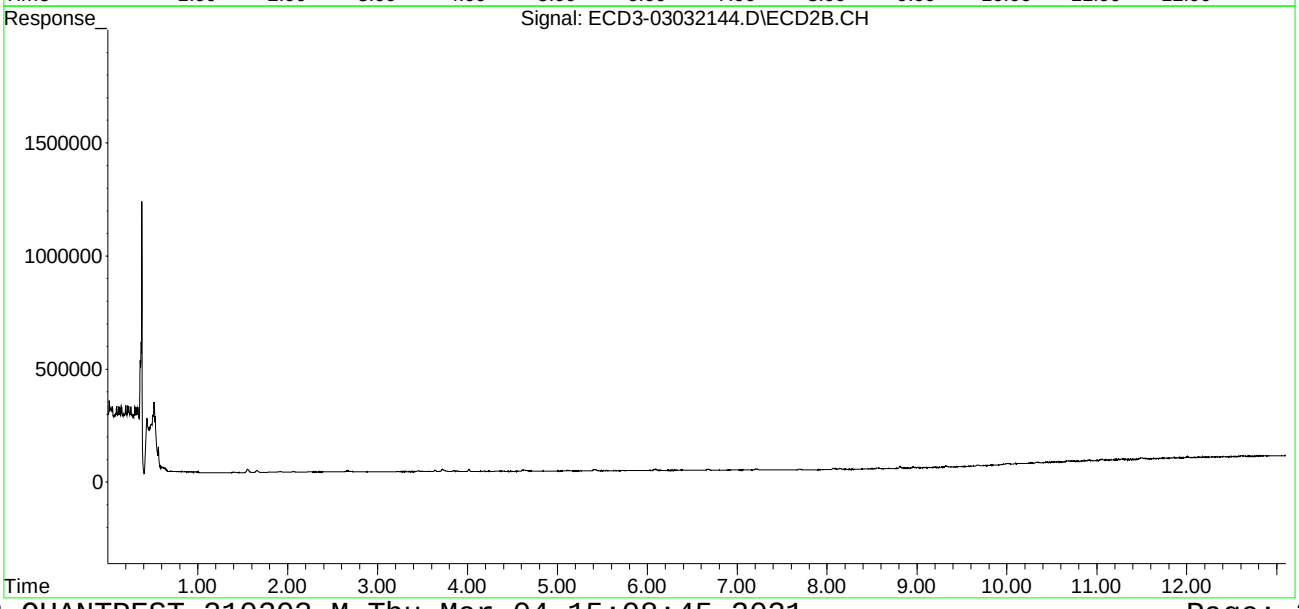
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:33
Operator : MJB
Sample : 1C03049-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:51
Operator : MJB
Sample : 1C03049-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.754	10.409f	37173	19769	0.114	0.059	#
		Target Compounds							
2)		a-BHC	6.081	6.513	11385	5647	0.041	0.032	
3)		g-BHC	6.371	6.814	13634	16862	0.056	0.111	#
4)		b-BHC	6.459	6.880	15789	18683	14656.924	2615.705	#
5)		Heptachlor	6.777	7.189	33036	23680	0.150	0.182	
6)		d-BHC	6.606	7.143	23882	30155	0.099	0.039	#
7)		Aldrin	7.016	7.462	73874	40343	0.325	0.288	
8)		Heptachlo...	7.488	7.898	187254	188915	0.744	1.385	#
9)		trans-Chl...	7.554	8.021	299433	226721	1.310	1.652	
10)		cis-Chlor...	7.655	8.129	495988	242349	2.297	1.857	
11)		Endosulfa...	7.781	8.206	650873	276645	3.385	2.328	
12)		4,4'-DDE	7.734	8.233	281123	291651	1.193	2.141	#
13)		Dieldrin	7.951	8.413	978155	348501	4.730	2.657	#
14)		Endrin	8.131	8.616	1303188	602546	8.204	6.650	
15)		4,4'-DDD	8.147	8.670	1164509	398247	6.514	3.739	#
16)		Endosulfa...	8.270	8.756	1946528	1070334	12.305	10.953	
17)		4,4'-DDT	8.355	8.884	1798546	436237	12.412	5.721	#
18)		Endrin Al...	8.595	9.002	1174117	1070644	7.713	12.705	#
19)		Endosulfa...	8.875	9.196	752098	414683	4.726	4.649	
20)		Methoxychlor	8.665	9.374	1116416	1068086	15.751	28.092	#
21)		Endrin Ke...	9.063	9.617f	471284	202987	2.585	1.657	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.957f	0.000	2334	0	16176.078	N.D.	#
25)		Oxychlordane	7.408	7.845	369563	213681	1.938	1.846	
26)		2,4'-DDE	7.488	8.021	187254	226721	1.278	2.470	#
27)		trans-Non...	7.655	8.084f	495988	324310	2.258	2.512	
28)		2,4'-DDD	7.872f	8.413	723832	348501	5.314	4.298	
29)		2,4'-DDT	8.015	8.616	1053547	602546	9.251	9.494	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:51
Operator : MJB
Sample : 1C03049-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

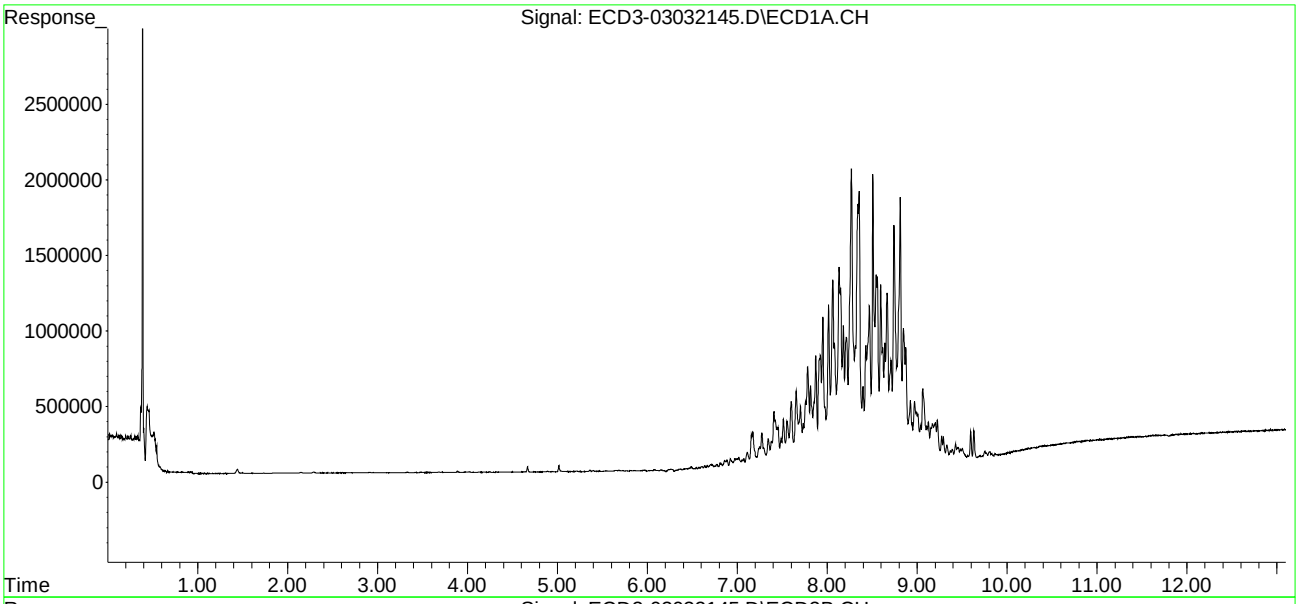
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.131	8.670	1303188	398247	5.672	2.943	#
31)	Mirex	8.812	9.542f	1744096	231542	13.236	2.856	#
32)	Chlordane...	7.554f	8.021	299433	226721	12.276	14.482	
33)	Chlordane...	7.655	8.129	495988	242349	20.866	18.461	
34)	Chlordane...	8.213	8.822	834214	1785275	119.719	441.142	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.655	8.373	495988	645298	498.627	496.146	
37)	Toxaphene...	7.951	8.723	978155	738906	488.897	503.038	
38)	Toxaphene...	8.270	8.756	1946528	1070334	494.119	515.084	
39)	Toxaphene...	8.508	8.822	1904836	1785275	455.479	496.921	
40)	Toxaphene...	8.741	9.002	1563081	1070644	518.745	504.596	
41)	Toxaphene...	8.812	9.374	1744096	1068086	494.550	501.885	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

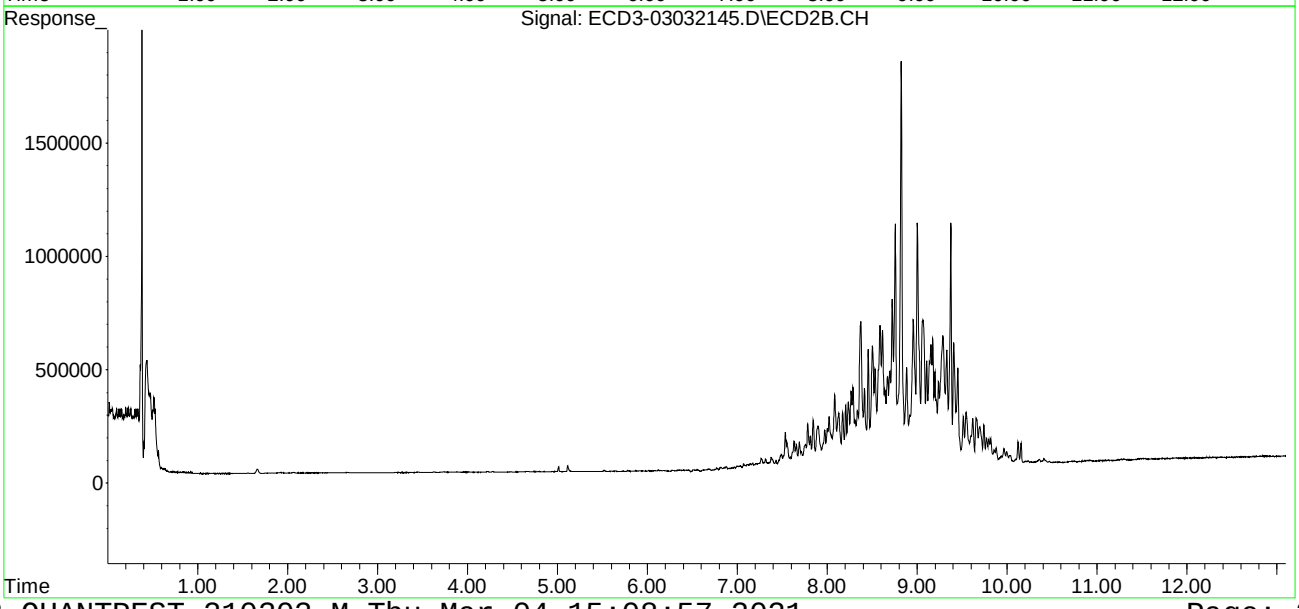
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:51
Operator : MJB
Sample : 1C03049-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:51
Operator : MJB
Sample : 1C03049-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S DCBP (S)	9.754	10.409f	37173	19769	0.114	0.059	#
	Target Compounds							
2)	a-BHC	6.081	6.513	11385	5647	0.041	0.032	
3)	g-BHC	6.371	6.814	13634	16862	0.056	0.111	#
4)	b-BHC	6.459	6.880	15789	18683	14656.924	2615.705	#
5)	Heptachlor	6.777	7.189	33036	23680	0.150	0.182	
6)	d-BHC	6.606	7.143	23882	30155	0.099	0.039	#
7)	Aldrin	7.016	7.462	73874	40343	0.325	0.288	
8)	Heptachlo...	7.488	7.898	187254	188915	0.744	1.385	#
9)	trans-Chl...	7.554	8.021	299433	226721	1.310	1.652	
10)	cis-Chlor...	7.655	8.129	495988	242349	2.297	1.857	
11)	Endosulfa...	7.781	8.206	650873	276645	3.385	2.328	
12)	4,4'-DDE	7.734	8.233	281123	291651	1.193	2.141	#
13)	Dieldrin	7.951	8.413	978155	348501	4.730	2.657	#
14)	Endrin	8.131	8.616	1303188	602546	8.204	6.650	
15)	4,4'-DDD	8.147	8.670	1164509	398247	6.514	3.739	#
16)	Endosulfa...	8.270	8.756	1946528	1070334	12.305	10.953	
17)	4,4'-DDT	8.355	8.884	1798546	436237	12.412	5.721	#
18)	Endrin Al...	8.595	9.002	1174117	1070644	7.713	12.705	#
19)	Endosulfa...	8.875	9.196	752098	414683	4.726	4.649	
20)	Methoxychlor	8.665	9.374	1116416	1068086	15.751	28.092	#
21)	Endrin Ke...	9.063	9.617f	471284	202987	2.585	1.657	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.957f	0.000	2334	0	16176.078	N.D.	#
25)	Oxychlordane	7.408	7.845	369563	213681	1.938	1.846	
26)	2,4'-DDE	7.488	8.021	187254	226721	1.278	2.470	#
27)	trans-Non...	7.655	8.084f	495988	324310	2.258	2.512	
28)	2,4'-DDD	7.872f	8.413	723832	348501	5.314	4.298	
29)	2,4'-DDT	8.015	8.616	1053547	602546	9.251	9.494	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:51
Operator : MJB
Sample : 1C03049-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

FRONT COLUMN: 491.74
REAR COLUMN: 502.95

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

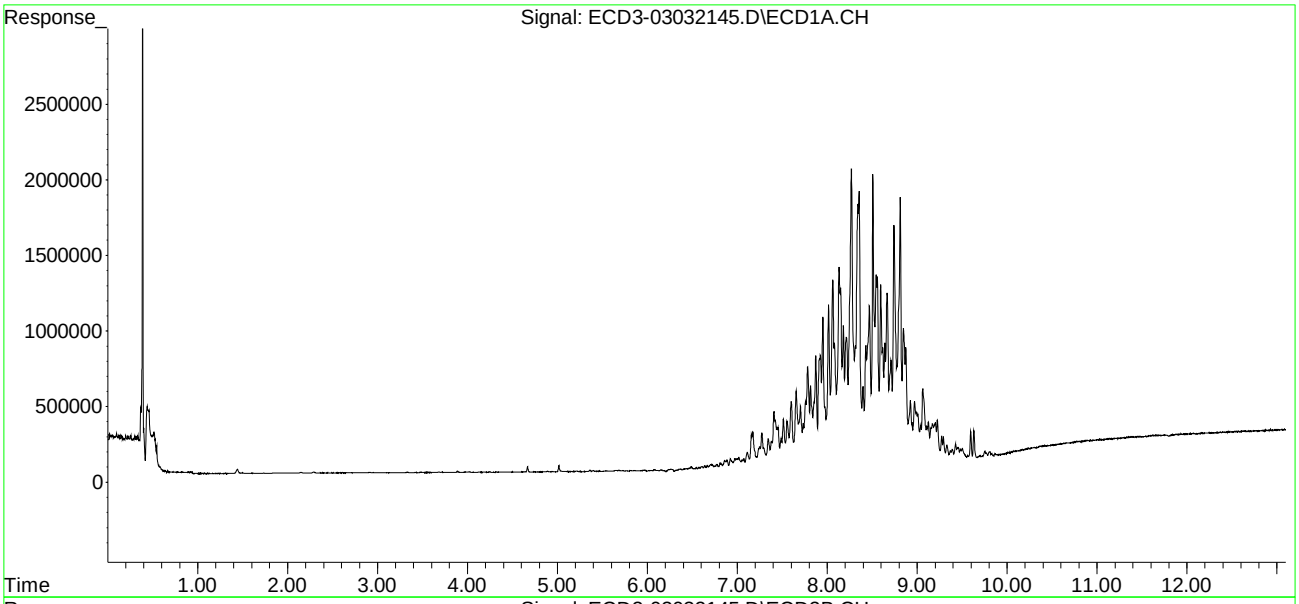
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.131	8.670	1303188	398247	5.672	2.943	#
31)	Mirex	8.812	9.542f	1744096	231542	13.236	2.856	#
32)	Chlordane...	7.554f	8.021	299433	226721	12.276	14.482	
33)	Chlordane...	7.655	8.129	495988	242349	20.866	18.461	
34)	Chlordane...	8.213	8.822	834214	1785275	119.719	441.142	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.655	8.373	495988	645298	498.627	496.146	
37)	Toxaphene...	7.951	8.723	978155	738906	488.897	503.038	
38)	Toxaphene...	8.270	8.756	1946528	1070334	494.119	515.084	
39)	Toxaphene...	8.508	8.822	1904836	1785275	455.479	496.921	
40)	Toxaphene...	8.741	9.002	1563081	1070644	518.745	504.596	
41)	Toxaphene...	8.812	9.374	1744096	1068086	494.550	501.885	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

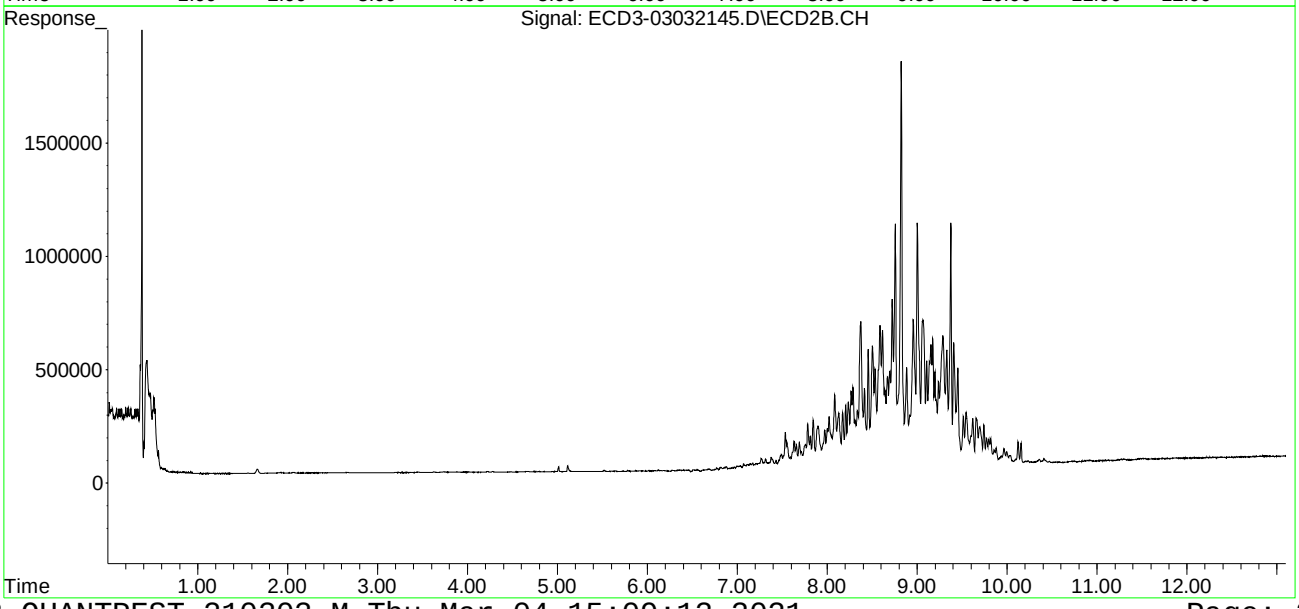
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:51
Operator : MJB
Sample : 1C03049-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 15:08:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.915	122405	79322	0.592	0.484
22) S	DCBP (S)	9.753	10.434	84415	48386	0.476	0.467
	Target Compounds						
2)	a-BHC	6.086	6.512	150749	100492	0.545	0.574
3)	g-BHC	6.373	6.828	138660	89839	0.570	0.593
4)	b-BHC	6.453	6.893	84948	54171	0.493	0.491
5)	Heptachlor	6.771	7.201	131070	77250	0.596	0.595
6)	d-BHC	6.605	7.142	146016	95191	0.607	0.499
7)	Aldrin	7.013	7.465	127269	79524	0.559	0.567
8)	Heptachlo...	7.484	7.900	137846	82214	0.492	0.491
9)	trans-Chl...	7.577	8.040	133413	86950	0.495	0.500
10)	cis-Chlor...	7.674	8.148	147803	84296	0.498	0.500
11)	Endosulfa...	7.777	8.197	127176	76329	0.496	0.499
12)	4,4'-DDE	7.725	8.249	138039	84680	0.499	0.503
13)	Dieldrin	7.951	8.396	137692	81126	0.506	0.499
14)	Endrin	8.121	8.621	104871	58438	0.497	0.494
15)	4,4'-DDD	8.155	8.664	123021	71038	0.502	0.499
16)	Endosulfa...	8.282	8.767	117739	70881	0.497	0.498
17)	4,4'-DDT	8.352	8.889	81474	43446	0.562	0.570
18)	Endrin Al...	8.578	9.004	149541	87031	~~0.152~~	~~0.172~~
19)	Endosulfa...	8.884	9.197	118407	67312	0.496	0.504
20)	Methoxychlor	8.683	9.356	49222	25051	0.493	0.491
21)	Endrin Ke...	9.084	9.584	126480	149307	0.496	~~1.049~~ #
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
27)	trans-Non...	7.577f	8.040f	133413	86950	0.518	0.576
28)	2,4'-DDD	7.777	8.396f	127176	81126	0.908	0.948
29)	2,4'-DDT	7.951f	8.621f	137692	58438	1.136	0.817

Curve point not used in the calibration.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

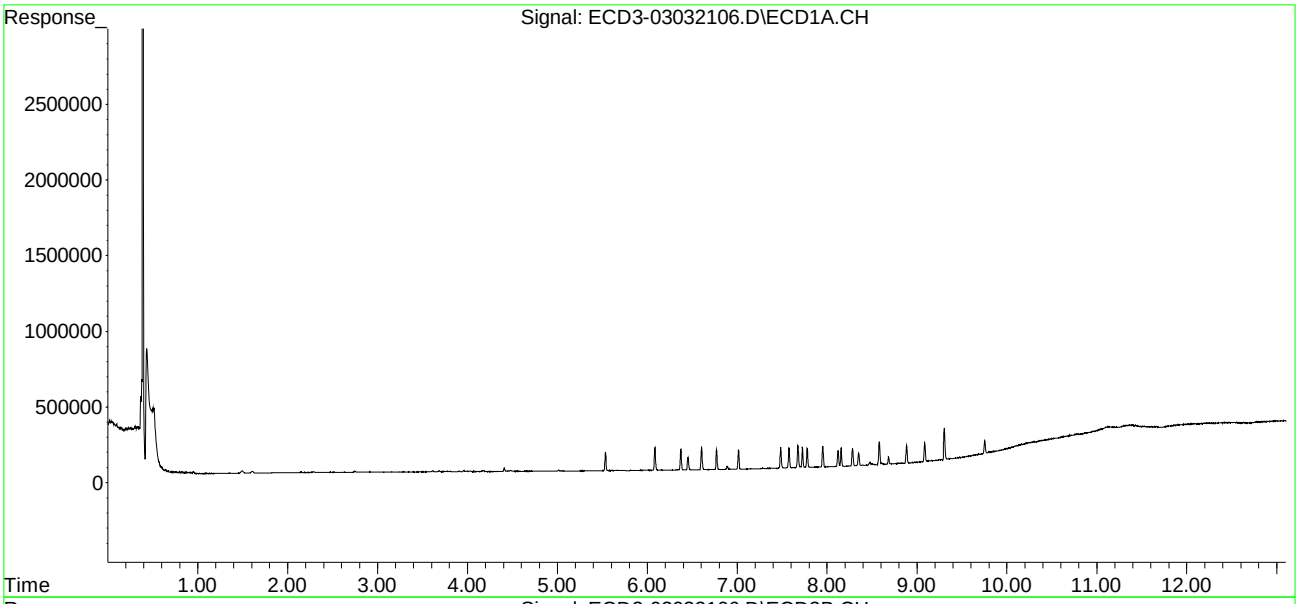
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.621	0	58438	N.D.	0.319	#
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	7.484f	8.040f	137846	86950	5.986	6.308	
33)	Chlordane...	7.577f	8.148f	133413	84296	6.007	7.295	
34)	Chlordane...	8.155	8.767	123021	70881	17.770	18.519	
35)	Chlordane...	3.685f	3.703f	5646	5172	NoCal	NoCal	
36)	Toxaphene...	7.577	0.000	133413	0	137.272	N.D.	#
37)	Toxaphene...	0.000	8.664f	0	71038	N.D.	49.205	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.473f	8.803	19634	13713	4.838	3.948	
40)	Toxaphene...	8.683	9.004f	49222	87031	15.422	42.394	#
41)	Toxaphene...	0.000	9.356	0	25051	N.D.	11.787	#
42)	Toxaphene...	3.685f	3.703f	5646	5172	NoCal	NoCal	

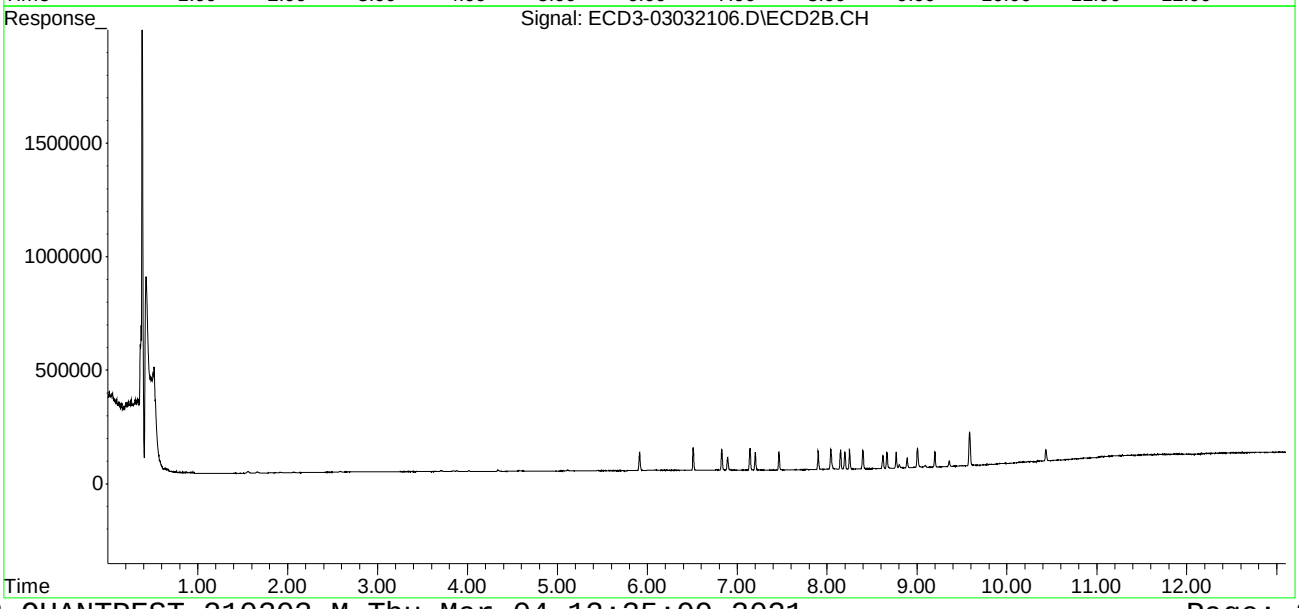
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:23:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:58
Operator : MJB
Sample : 1C03049-CAL2
Misc : A21C049, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:24:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.534	5.915	228762	149822	1.106	1.040	
22)	S	DCBP (S)	9.752	10.433	160913	94242	1.064	1.120	
		Target Compounds							
2)		a-BHC	6.086	6.512	286126	188269	1.035	1.076	
3)		g-BHC	6.373	6.828	255288	162937	1.050	1.076	
4)		b-BHC	6.453	6.893	137531	88645	1.010	1.014	
5)		Heptachlor	6.771	7.201	236835	143228	1.076	1.103	
6)		d-BHC	6.604	7.142	256379	166006	1.066	0.999	
7)		Aldrin	7.013	7.465	241011	149268	1.059	1.065	
8)		Heptachlo...	7.484	7.901	240418	146803	1.016	1.032	
9)		trans-Chl...	7.576	8.041	238383	147331	1.010	0.998	
10)		cis-Chlor...	7.674	8.148	245270	141366	1.002	0.990	
11)		Endosulfa...	7.777	8.197	218264	130866	0.998	0.997	
12)		4,4'-DDE	7.725	8.250	241007	145975	0.998	0.988	
13)		Dieldrin	7.951	8.396	229841	142399	0.969	0.994	
14)		Endrin	8.120	8.621	180881	102744	0.986	0.996	
15)		4,4'-DDD	8.155	8.664	207531	121812	0.991	1.002	
16)		Endosulfa...	8.282	8.768	194279	118879	0.992	1.001	
17)		4,4'-DDT	8.351	8.889	144756	74671	0.999	0.979	
18)		Endrin Al...	8.578	9.003	251804	144733	0.907	0.907	
19)		Endosulfa...	8.884	9.197	193595	106818	0.998	0.976	
20)		Methoxychlor	8.683	9.356	85340	44872	1.014	1.031	
21)		Endrin Ke...	9.083	9.586	211370	149932	1.011	1.056	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.813f	0.000	2761	0	BelowCal	N.D.	
25)		Oxychlordane	0.000	7.772f	0	4712	N.D.	4454.084	#
26)		2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)		trans-Non...	7.576f	8.041f	238383	147331	1.067	1.128	
28)		2,4'-DDD	7.777	8.396f	218264	142399	1.676	1.852	
29)		2,4'-DDT	7.951f	8.621f	229841	102744	1.983	1.574	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:58
Operator : MJB
Sample : 1C03049-CAL2
Misc : A21C049, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:24:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

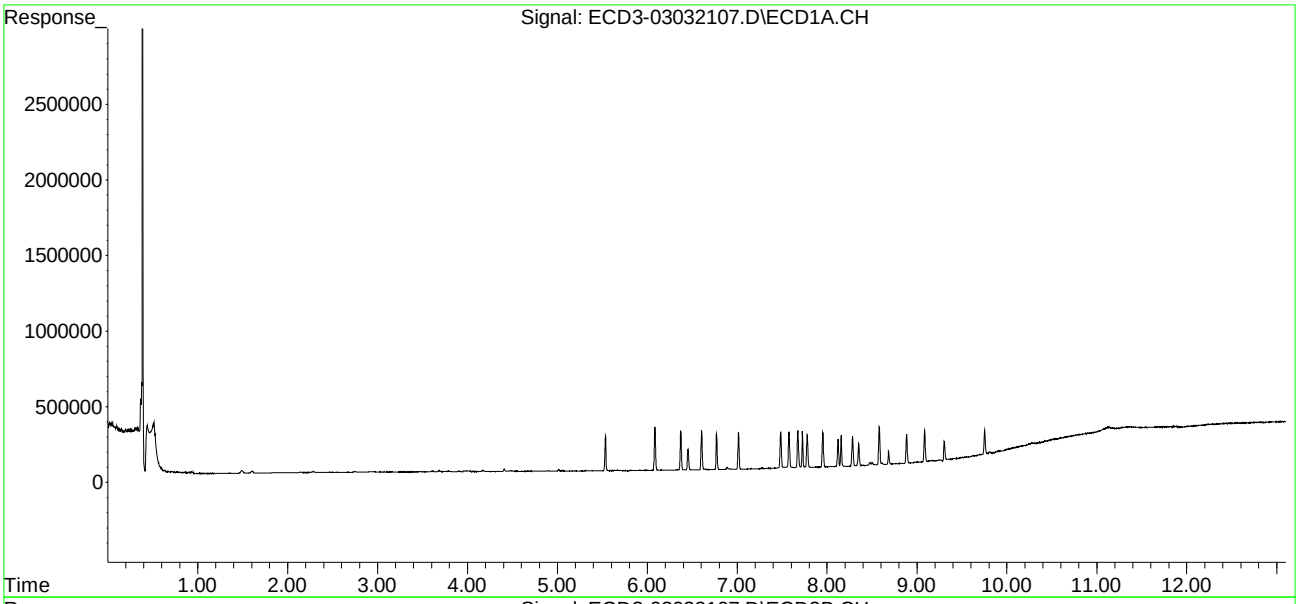
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.621	0	102744	N.D.	0.706	#
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	7.519	8.041f	4947	147331	0.215	10.688	#
33)	Chlordane...	7.576f	8.148f	238383	141366	10.733	12.235	
34)	Chlordane...	8.155	8.768	207531	118879	29.977	31.059	
35)	Chlordane...	3.684f	3.702	6797	4457	NoCal	NoCal	
36)	Toxaphene...	7.576	0.000	238383	0	245.919	N.D.	#
37)	Toxaphene...	0.000	8.664f	0	121812	N.D.	84.374	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.473f	8.803	18431	11688	4.541	3.365	
40)	Toxaphene...	8.683	9.003f	85340	144733	26.739	70.500	#
41)	Toxaphene...	0.000	9.356	0	44872	N.D.	21.113	#
42)	Toxaphene...	3.684f	3.702	6797	4457	NoCal	NoCal	

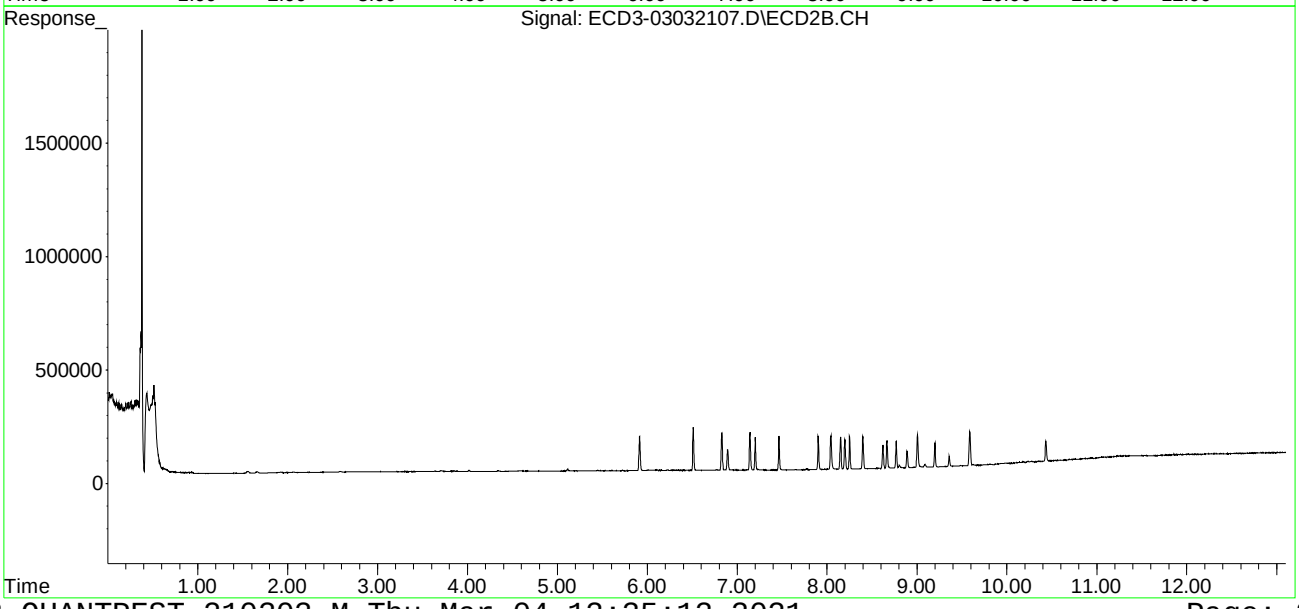
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:58
Operator : MJB
Sample : 1C03049-CAL2
Misc : A21C049, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:24:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:15
Operator : MJB
Sample : 1C03049-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:25:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.534	5.914	440498	286863	2.130	2.121	
22) S	DCBP (S)	9.751	10.432	301433	161847	2.142	2.083	
	Target Compounds							
2)	a-BHC	6.086	6.511	560005	366504	2.025	2.094	
3)	g-BHC	6.372	6.827	500623	325458	2.059	2.150	
4)	b-BHC	6.452	6.893	245264	159640	2.069	2.094	
5)	Heptachlor	6.770	7.201	466868	274667	2.122	2.115	
6)	d-BHC	6.604	7.142	499343	313225	2.076	2.040	
7)	Aldrin	7.013	7.464	476567	295029	2.094	2.105	
8)	Heptachlo...	7.483	7.900	444512	263502	2.058	2.010	
9)	trans-Chl...	7.576	8.040	451777	271141	2.057	2.018	
10)	cis-Chlor...	7.673	8.147	443191	263379	2.025	2.038	
11)	Endosulfa...	7.777	8.197	413783	243583	2.076	2.026	
12)	4,4'-DDE	7.724	8.250	453517	274173	2.029	2.003	
13)	Dieldrin	7.951	8.396	440393	272537	2.028	2.044	
14)	Endrin	8.120	8.620	355354	201828	2.109	2.118	
15)	4,4'-DDD	8.155	8.664	384263	224856	2.012	2.022	
16)	Endosulfa...	8.281	8.767	362133	217562	2.077	2.033	
17)	4,4'-DDT	8.351	8.889	275901	144134	1.904	1.890	
18)	Endrin Al...	8.577	9.003	456374	263429	2.417	2.417	
19)	Endosulfa...	8.883	9.197	357071	197521	2.089	2.059	
20)	Methoxychlor	8.683	9.356	159233	81986	2.079	2.040	
21)	Endrin Ke...	9.083	9.588	377369	215120	2.017	1.794	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	7.773f	0	9492	N.D.	4454.035	#
26)	2,4'-DDE	0.000	7.997	0	2948	N.D.	3494.836	#
27)	trans-Non...	7.576f	8.040f	451777	271141	2.184	2.258	
28)	2,4'-DDD	7.777	8.396f	413783	272537	3.324	3.774	
29)	2,4'-DDT	7.951f	8.620f	440393	201828	3.913	3.261	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:15
Operator : MJB
Sample : 1C03049-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:25:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

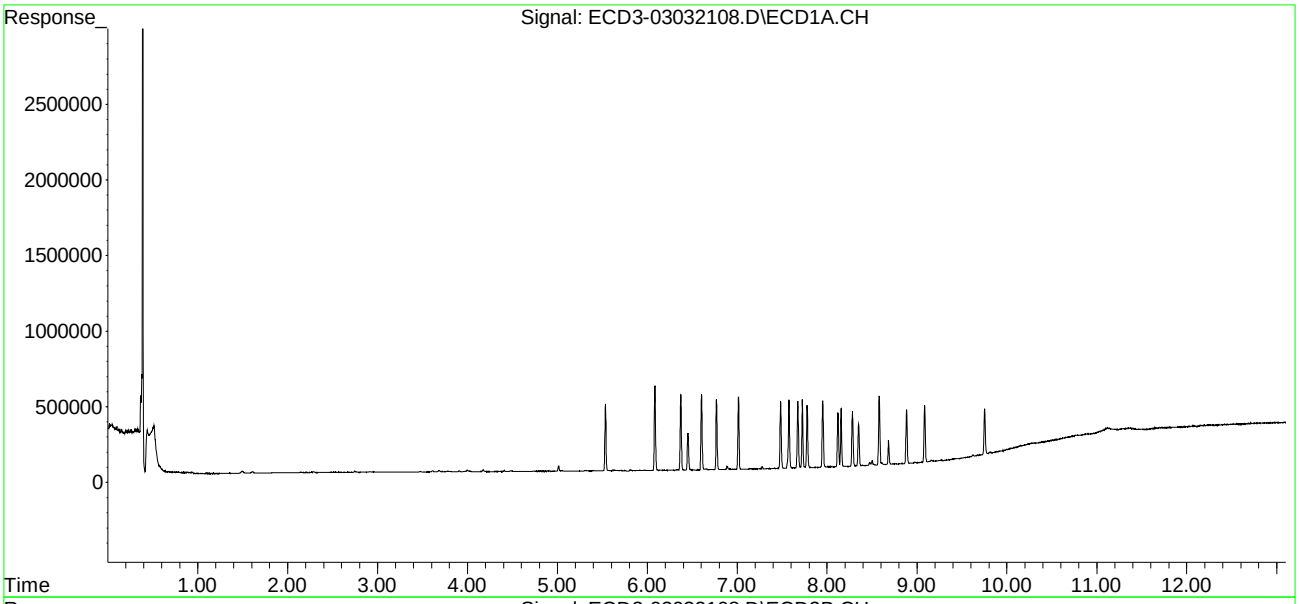
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.620	0	201828	N.D.	1.571	#
31)	Mirex	8.758	0.000	3231	0	BelowCal	N.D.	
32)	Chlordane...	7.483f	7.997	444512	2948	19.304	0.214	#
33)	Chlordane...	7.576f	8.147f	451777	263379	20.341	22.794	
34)	Chlordane...	8.155	8.767	384263	217562	55.505	56.842	
35)	Chlordane...	3.684f	3.701	8339	2519	NoCal	NoCal	
36)	Toxaphene...	7.576	0.000	451777	0	475.447	N.D.	#
37)	Toxaphene...	0.000	8.664f	0	224856	N.D.	155.748	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.473f	8.802	18417	9554	4.538	2.751	
40)	Toxaphene...	8.683	8.966	159233	3240	49.891	1.578	#
41)	Toxaphene...	8.758	9.356	3231	81986	0.894	38.576	#
42)	Toxaphene...	3.684f	3.701	8339	2519	NoCal	NoCal	

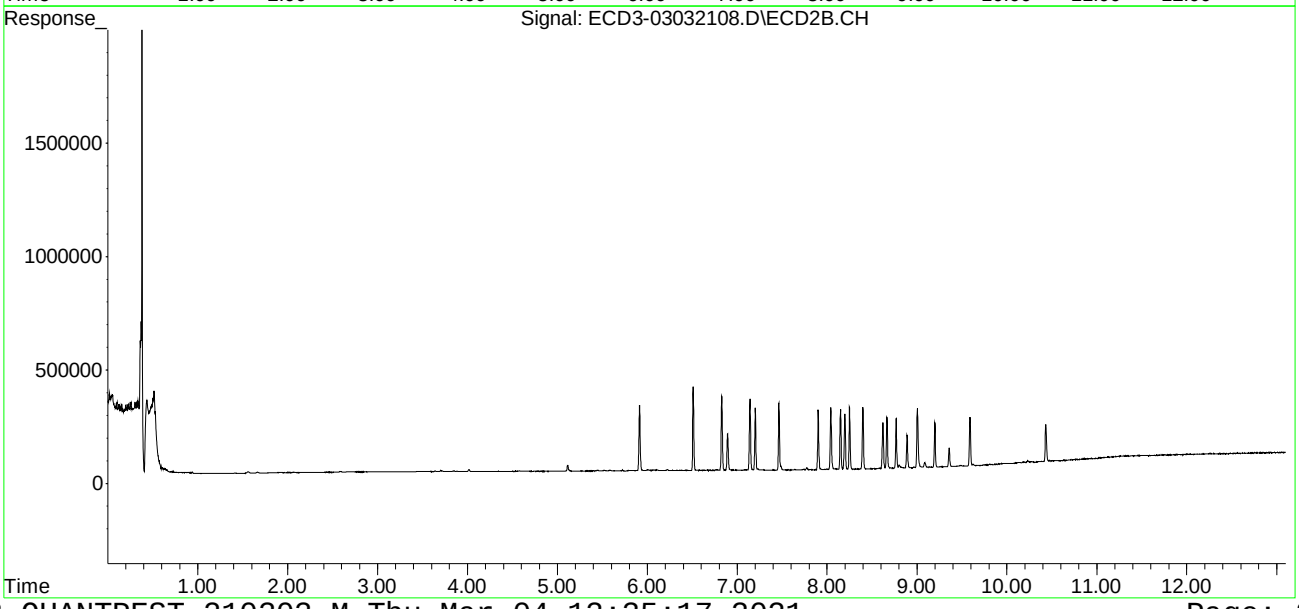
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:15
Operator : MJB
Sample : 1C03049-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:25:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:32
Operator : MJB
Sample : 1C03049-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.534	5.915	1017094	646369	4.918	4.965	
22) S	DCBP (S)	9.752	10.433	671096	361705	4.982	4.935	
	Target Compounds							
2)	a-BHC	6.086	6.512	1394908	874714	5.044	4.997	
3)	g-BHC	6.372	6.828	1198904	750524	4.931	4.957	
4)	b-BHC	6.452	6.893	546030	352524	5.028	5.030	
5)	Heptachlor	6.770	7.201	1094470	640436	4.974	4.931	
6)	d-BHC	6.604	7.142	1154442	724399	4.799	4.950	
7)	Aldrin	7.013	7.465	1114071	709135	4.895	5.059	
8)	Heptachlo...	7.483	7.901	1028826	620313	5.046	5.003	
9)	trans-Chl...	7.576	8.040	1034352	623141	4.917	4.921	
10)	cis-Chlor...	7.673	8.148	1025938	602875	5.035	4.956	
11)	Endosulfa...	7.777	8.197	941971	567267	4.992	4.985	
12)	4,4'-DDE	7.724	8.249	1057670	645867	4.957	4.948	
13)	Dieldrin	7.950	8.396	1036003	631857	5.021	4.946	
14)	Endrin	8.120	8.620	813503	457195	5.056	5.007	
15)	4,4'-DDD	8.155	8.664	890849	513928	4.936	4.885	
16)	Endosulfa...	8.281	8.767	811385	495212	4.979	4.938	
17)	4,4'-DDT	8.351	8.889	659864	347868	4.554	4.562	
18)	Endrin Al...	8.577	9.003	784200	455904	4.837	4.868	
19)	Endosulfa...	8.884	9.198	788924	426679	4.971	4.792	
20)	Methoxychlor	8.683	9.356	360562	187739	4.974	4.904	
21)	Endrin Ke...	9.083	9.588	868113	480262	4.986	4.788	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	7.774f	0	21806	N.D.	0.006	#
26)	2,4'-DDE	7.416	7.997	5109	6161	9234.277	3494.794	#
27)	trans-Non...	7.576f	8.083	1034352	3235	5.230	3285.568	#
28)	2,4'-DDD	7.777	8.396f	941971	631857	7.778	9.084	
29)	2,4'-DDT	7.950f	8.620f	1036003	457195	9.333	7.589	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:32
Operator : MJB
Sample : 1C03049-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

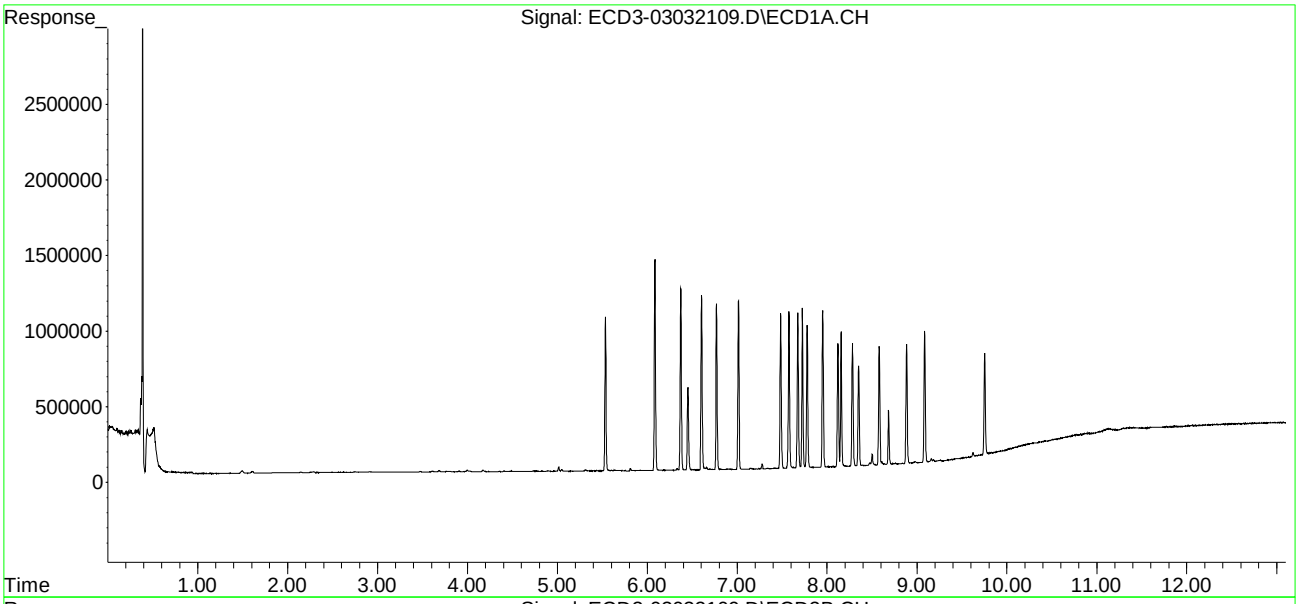
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.620	0	457195	N.D.	3.803	#
31)	Mirex	8.734	0.000	5144	0	BelowCal	N.D.	
32)	Chlordane...	7.483f	7.997	1028826	6161	44.678	0.447	#
33)	Chlordane...	7.576f	8.083f	1034352	3235	46.572	0.280	#
34)	Chlordane...	8.155	8.767	890849	495212	128.678	129.384	
35)	Chlordane...	3.683f	3.706f	8639	1371	NoCal	NoCal	
36)	Toxaphene...	7.576	0.000	1034352	0	1177.994	N.D.	#
37)	Toxaphene...	0.000	8.664f	0	513928	N.D.	355.975	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.474f	8.802	17554	10736	4.325	3.091	
40)	Toxaphene...	8.683	8.967	360562	3195	112.972	1.556	#
41)	Toxaphene...	8.756	9.356	5943	187739	1.645	88.335	#
42)	Toxaphene...	3.683f	3.706f	8639	1371	NoCal	NoCal	

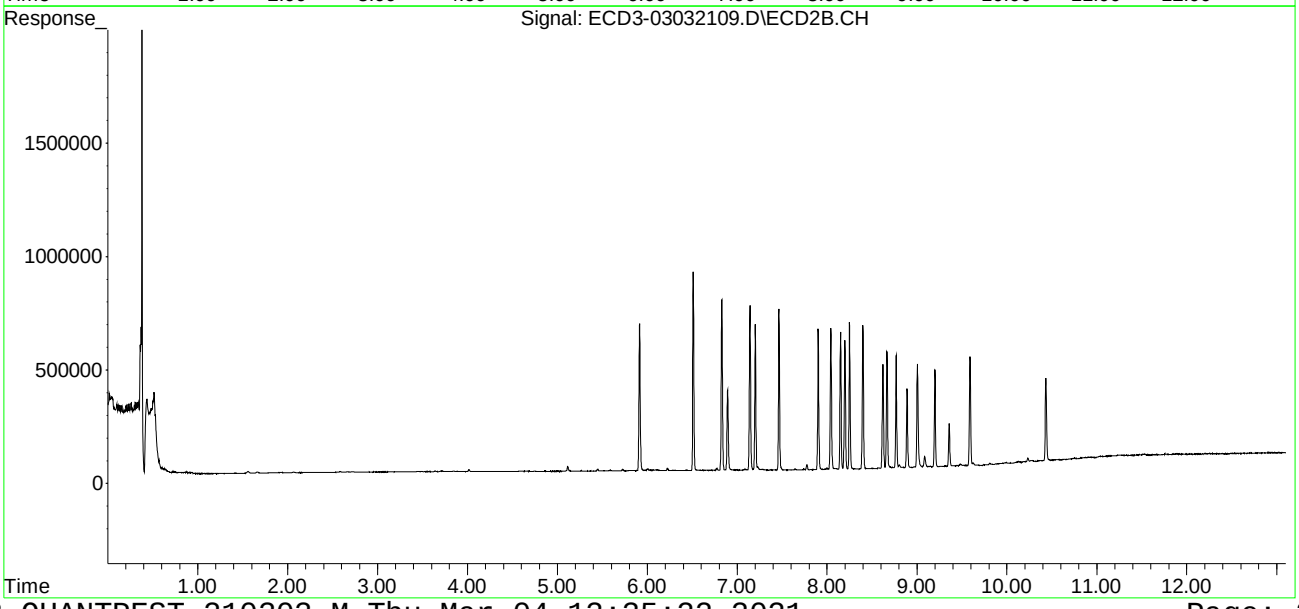
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:32
Operator : MJB
Sample : 1C03049-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:49
Operator : MJB
Sample : 1C03049-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.534	5.915	1976336	1264821	9.556	9.879	
22) S	DCBP (S)	9.751	10.434	1298707	703762	9.808	9.830	
	Target Compounds							
2)	a-BHC	6.086	6.512	2685873	1759414	9.712	10.051	
3)	g-BHC	6.372	6.828	2363785	1487372	9.721	9.824	
4)	b-BHC	6.452	6.893	1056287	676550	10.049	9.978	
5)	Heptachlor	6.770	7.201	2108105	1240121	9.581	9.548	
6)	d-BHC	6.604	7.142	2266595	1431060	9.422	9.960	
7)	Aldrin	7.013	7.464	2219103	1404354	9.750	10.018	
8)	Heptachlo...	7.483	7.901	2031891	1226883	10.192	10.107	
9)	trans-Chl...	7.575	8.040	2090794	1245877	10.104	10.066	
10)	cis-Chlor...	7.674	8.148	1992205	1199141	10.024	10.095	
11)	Endosulfa...	7.777	8.197	1875275	1107667	10.155	9.933	
12)	4,4'-DDE	7.724	8.249	2105403	1282240	10.031	10.002	
13)	Dieldrin	7.950	8.396	2053529	1261577	10.130	10.041	
14)	Endrin	8.120	8.620	1562067	891907	9.868	9.919	
15)	4,4'-DDD	8.154	8.664	1783064	1041274	10.077	10.106	
16)	Endosulfa...	8.281	8.768	1602539	985486	10.086	10.066	
17)	4,4'-DDT	8.351	8.889	1348615	696456	9.307	9.134	
18)	Endrin Al...	8.577	9.003	1446289	836607	9.720	9.720	
19)	Endosulfa...	8.883	9.197	1547821	877340	10.031	10.151	
20)	Methoxychlor	8.683	9.356	702643	376089	9.869	9.961	
21)	Endrin Ke...	9.082	9.589	1711839	963932	10.080	10.214	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.337	7.774f	9068	41209	BelowCal	0.205	
26)	2,4'-DDE	7.416	7.998	11298	10981	9234.230	3494.732	#
27)	trans-Non...	7.575f	8.092f	2090794	5585	10.744	3285.546	#
28)	2,4'-DDD	7.777	8.396f	1875275	1261577	15.652	18.401	
29)	2,4'-DDT	7.950f	8.571	2053529	5266	18.463	BelowCal	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:49
Operator : MJB
Sample : 1C03049-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

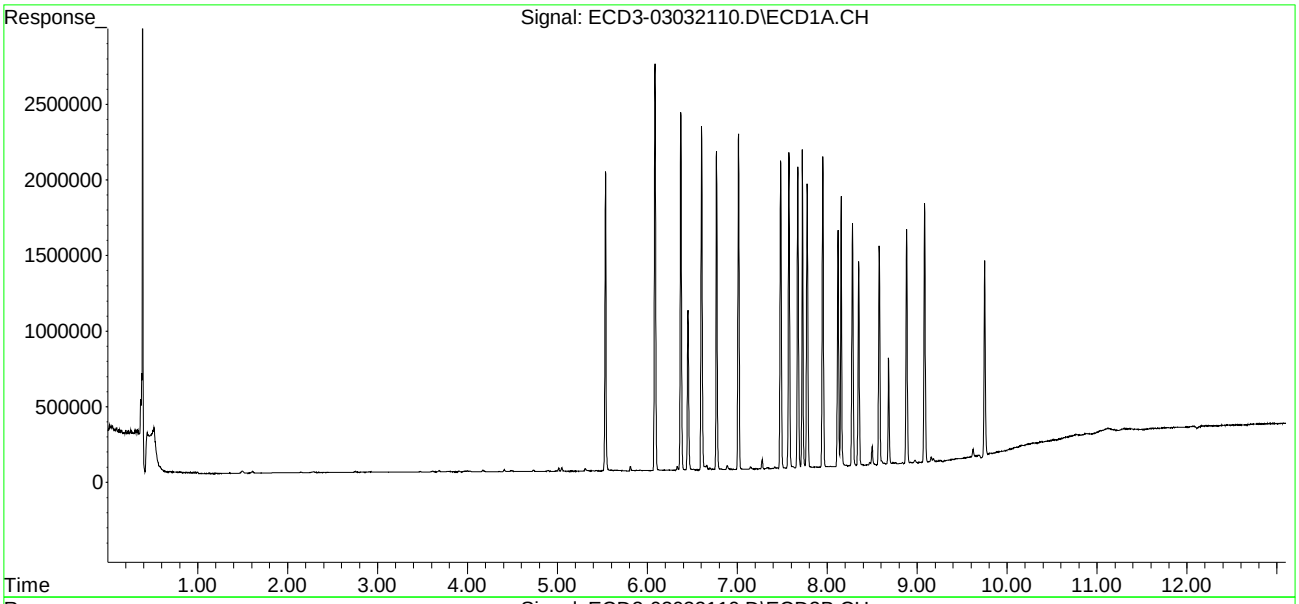
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.620	0	891907	N.D.	7.607	#
31)	Mirex	8.734	9.519f	8606	4571	BelowCal	BelowCal	
32)	Chlordane...	7.483f	7.998	2031891	10981	88.238	0.797	#
33)	Chlordane...	7.575f	8.092	2090794	5585	94.138	0.483	#
34)	Chlordane...	8.154	8.768	1783064	985486	257.554	257.477	
35)	Chlordane...	3.683f	3.705f	8222	3846	NoCal	NoCal	
36)	Toxaphene...	7.575	0.000	2090794	0	3119.042	N.D.	#
37)	Toxaphene...	0.000	8.664f	0	1041274	N.D.	721.244	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.473f	8.802	17641	14692	4.347	4.230	
40)	Toxaphene...	8.683	8.966	702643	3591	220.153	1.749	#
41)	Toxaphene...	8.757	9.356	9596	376089	2.656	176.958	#
42)	Toxaphene...	3.683f	3.705f	8222	3846	NoCal	NoCal	

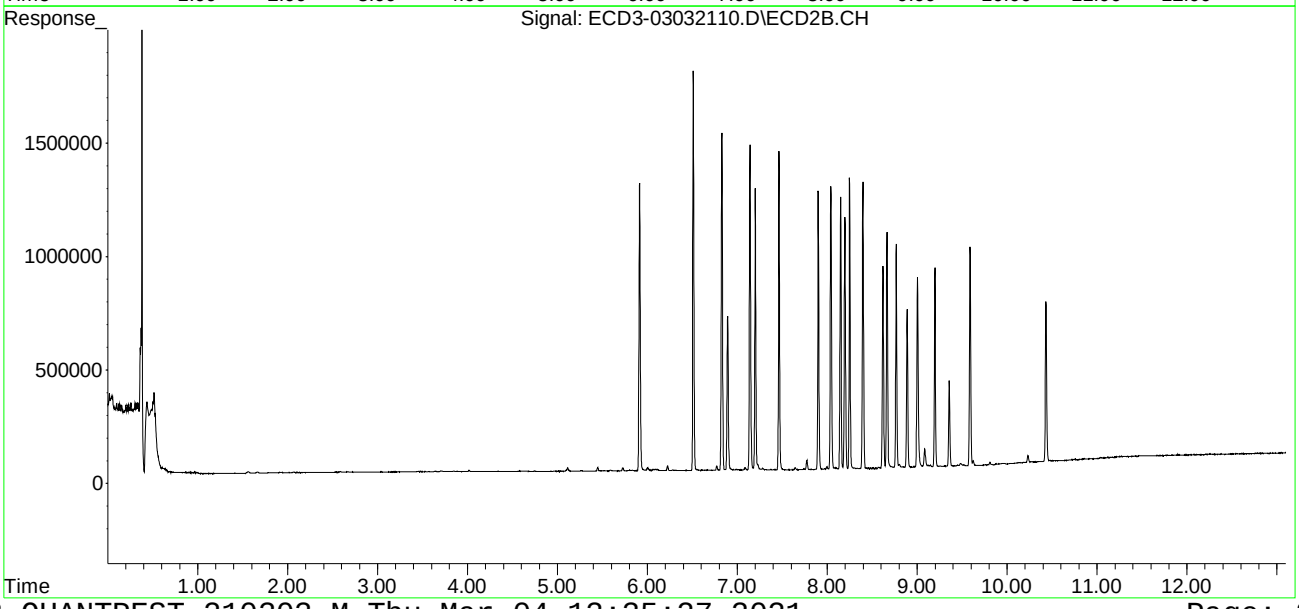
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:49
Operator : MJB
Sample : 1C03049-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:07
Operator : MJB
Sample : 1C03049-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.534	5.915	4786626	3065643	23.144	24.345	
22) S	DCBP (S)	9.752	10.433	3157861	1661484	24.140	23.631	
	Target Compounds							
2)	a-BHC	6.087	6.512	6624579	4221845	23.954	24.119	
3)	g-BHC	6.373	6.829	5629561	3542980	23.152	23.401	
4)	b-BHC	6.452	6.893	2489991	1603476	24.177	24.238	
5)	Heptachlor	6.771	7.202	4986220	2954729	22.662	22.748	
6)	d-BHC	6.604	7.142	5505321	3454011	22.886	24.373	
7)	Aldrin	7.013	7.465	5408989	3313892	23.766	23.641	
8)	Heptachlo...	7.484	7.901	4722071	2913769	24.094	24.411	
9)	trans-Chl...	7.576	8.040	4985540	3031837	24.323	24.885	
10)	cis-Chlor...	7.674	8.148	4793797	2857724	24.464	24.479	
11)	Endosulfa...	7.777	8.197	4396364	2713631	24.163	24.708	
12)	4,4'-DDE	7.725	8.250	5127047	3155365	24.637	24.963	
13)	Dieldrin	7.950	8.397	4928762	3048843	24.532	24.570	
14)	Endrin	8.120	8.621	3745332	2128741	23.879	23.855	
15)	4,4'-DDD	8.155	8.664	4342982	2500797	24.764	24.551	
16)	Endosulfa...	8.281	8.768	3774043	2358030	24.077	24.415	
17)	4,4'-DDT	8.351	8.890	3326826	1769325	22.959	23.203	
18)	Endrin Al...	8.577	9.003	3332867	1893449	23.611	23.214	
19)	Endosulfa...	8.883	9.197	3661221	2087801	24.085	24.454	
20)	Methoxychlor	8.683	9.356	1690671	894943	23.845	23.619	
21)	Endrin Ke...	9.083	9.589	4127286	2360616	24.574	25.638	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.842	6.311f	4540	5457	BelowCal	2028.549	
25)	Oxychlordane	7.337	7.817f	21689	4984	BelowCal	4454.081	
26)	2,4'-DDE	7.416	7.997	25838	25793	0.022	0.137	#
27)	trans-Non...	7.576f	8.092f	4985540	14035	25.793	3285.469	#
28)	2,4'-DDD	7.777	8.397f	4396364	3048843	36.952	44.935	
29)	2,4'-DDT	7.950f	8.570	4928762	11065	43.438	0.008	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:07
Operator : MJB
Sample : 1C03049-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

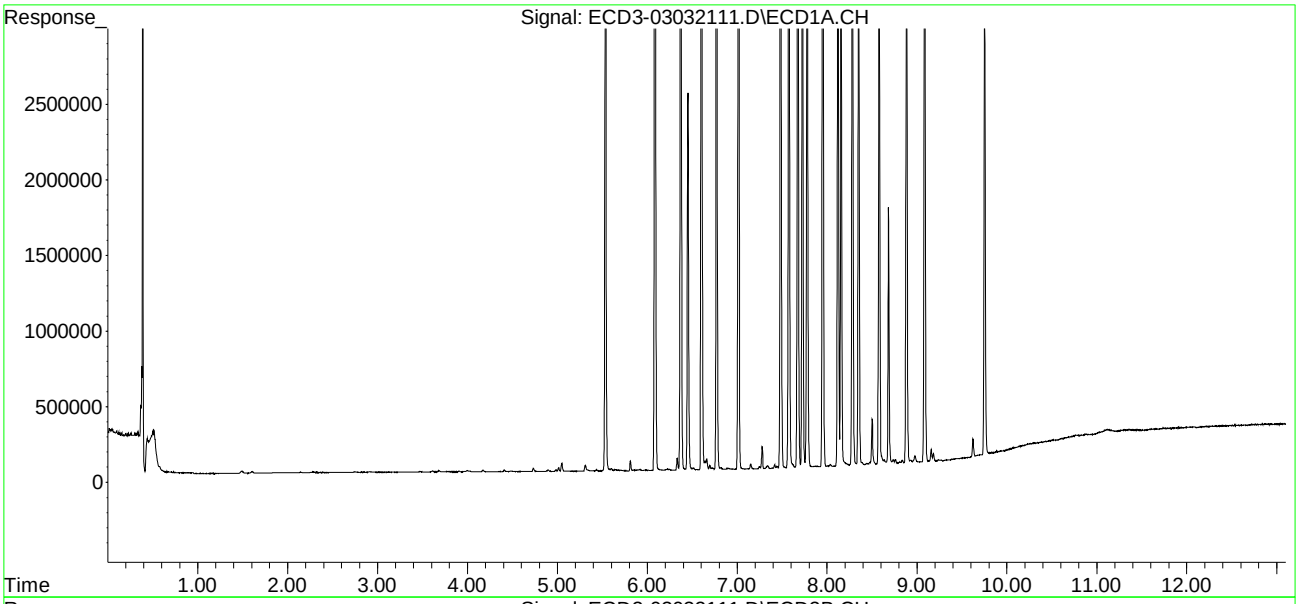
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	8.621	0	2128741	N.D.	18.459	#
31)	Mirex	8.734	9.520f	22359	11060	BelowCal	BelowCal	
32)	Chlordane...	7.484f	7.997	4722071	25793	205.064	1.871	#
33)	Chlordane...	7.576f	8.092f	4985540	14035	224.475	1.215	#
34)	Chlordane...	8.155	8.768	4342982	2358030	627.321	616.081	
35)	Chlordane...	3.682f	3.704f	7759	1892	NoCal	NoCal	
36)	Toxaphene...	7.576	8.302f	4985540	8960	BelowCal	6.175	
37)	Toxaphene...	7.890	8.664f	7036	2500797	3.662	1732.192	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.447	8.802	7207	17640	1.776	5.079	#
40)	Toxaphene...	8.683	8.969	1690671	6883	529.722	3.353	#
41)	Toxaphene...	8.758	9.356	23296	894943	6.447	421.090	#
42)	Toxaphene...	3.682f	3.704f	7759	1892	NoCal	NoCal	

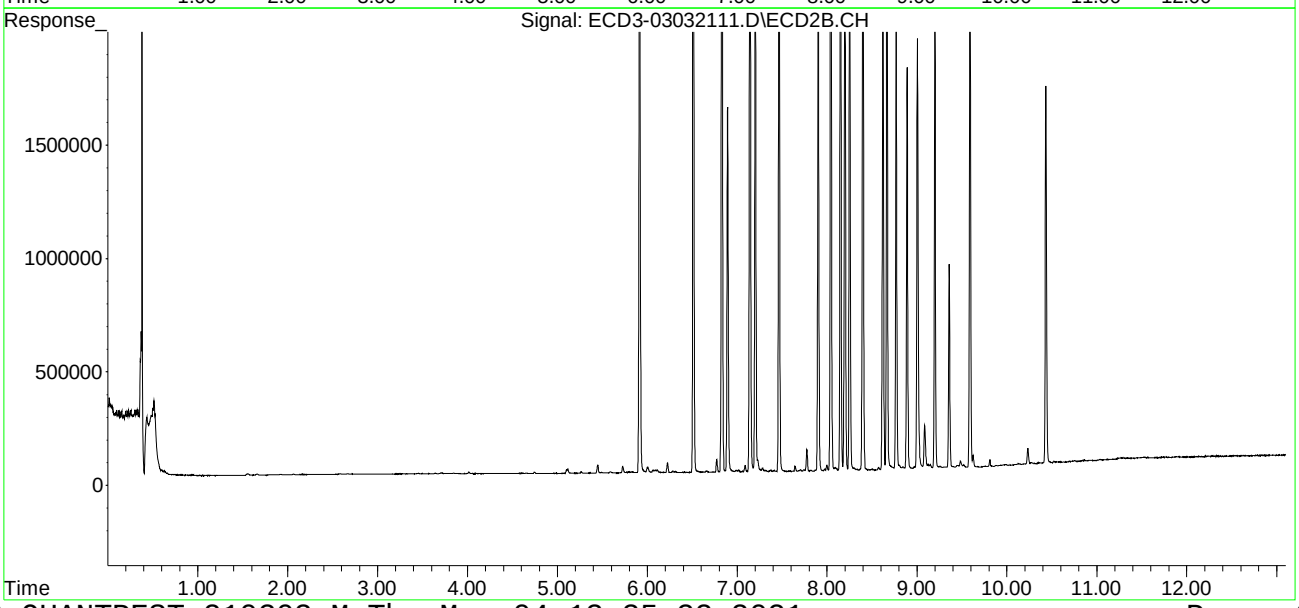
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:07
Operator : MJB
Sample : 1C03049-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:26:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:24
Operator : MJB
Sample : 1C03049-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.535	5.915	9581543	6053804	46.328	48.896	
22) S	DCBP (S)	9.751	10.433	6390595	3389378	49.191	48.894	
	Target Compounds							
2)	a-BHC	6.087	6.512	13409144	8231926	48.486	47.027	
3)	g-BHC	6.373	6.828	11621939	7240293	47.797	47.821	
4)	b-BHC	6.452	6.893	5071220	3215871	49.681	49.427	
5)	Heptachlor	6.770	7.201	10356699	6158283	47.071	47.412	
6)	d-BHC	6.603	7.141	11432325	7155385	47.525	51.013	
7)	Aldrin	7.012	7.464	11000103	6683567	48.331	47.679	
8)	Heptachlo...	7.483	7.900	9484434	5857927	49.075	49.766	
9)	trans-Chl...	7.575	8.040	10264375	6094832	50.276	50.525	
10)	cis-Chlor...	7.673	8.147	9787486	5804014	50.114	50.369	
11)	Endosulfa...	7.776	8.196	8967245	5494595	49.804	50.540	
12)	4,4'-DDE	7.724	8.249	10475153	6409479	50.383	51.266	
13)	Dieldrin	7.950	8.396	10135200	6227384	50.491	50.663	
14)	Endrin	8.119	8.620	7964411	4482861	50.857	50.220	
15)	4,4'-DDD	8.154	8.663	8993648	5156486	51.206	50.814	
16)	Endosulfa...	8.280	8.767	7892131	4907536	50.504	51.038	
17)	4,4'-DDT	8.351	8.889	7392909	3895954	51.020	51.093	
18)	Endrin Al...	8.577	9.003	6890878	3992684	49.721	50.134	
19)	Endosulfa...	8.883	9.197	7616190	4377588	50.250	51.152	
20)	Methoxychlor	8.682	9.355	3669494	2009344	51.151	51.722	
21)	Endrin Ke...	9.082	9.588	8414158	4822483	49.991	51.996	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.841	6.311f	7995	7150	BelowCal	2028.535	
25)	Oxychlordane	7.335	7.773f	28326	185436	BelowCal	1.680	
26)	2,4'-DDE	7.416	7.997	51416	42851	0.217	0.358	#
27)	trans-Non...	7.575f	8.090	10264375	19781	53.012	3285.417	#
28)	2,4'-DDD	7.776	8.396f	8967245	6227384	75.679	92.450	
29)	2,4'-DDT	7.950f	8.570	10135200	19517	85.977	0.152	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:24
Operator : MJB
Sample : 1C03049-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

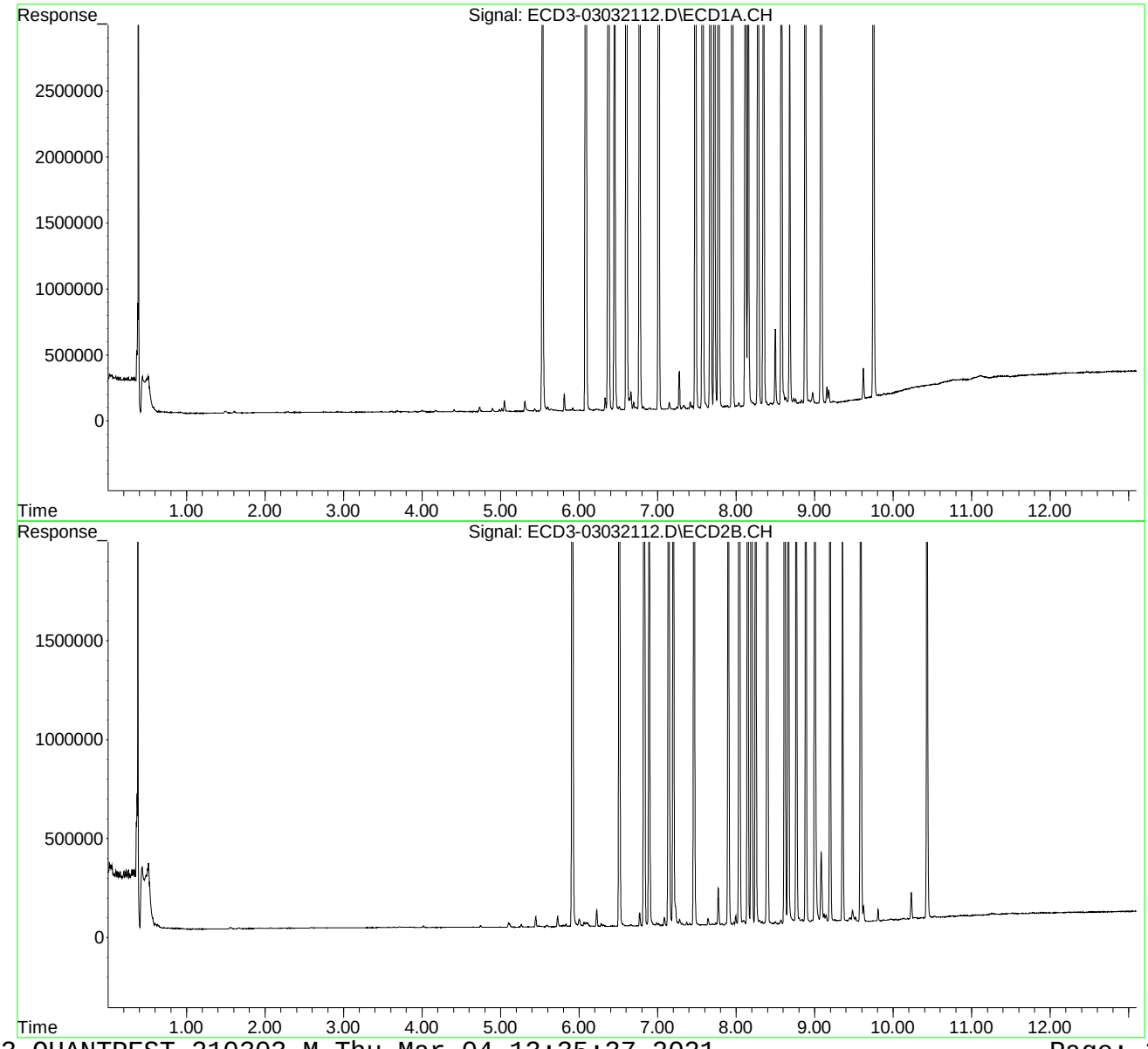
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.078	8.620	6471	4482861	BelowCal	39.235	
31)	Mirex	8.734	9.520f	44239	21551	BelowCal	BelowCal	
32)	Chlordane...	7.528	7.997	9075	42851	0.394	3.109	#
33)	Chlordane...	7.575f	8.104	10264375	17432	462.156	1.509	#
34)	Chlordane...	8.154	8.767	8993648	4907536	1299.085	1282.190	
35)	Chlordane...	3.685f	3.643f	7614	4608	NoCal	NoCal	
36)	Toxaphene...	7.575	8.331	10264375	12460	BelowCal	8.967	
37)	Toxaphene...	7.888	8.663f	14511	5156486	7.552	3571.670	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.441	8.767f	17017	4907536	4.193	1412.903	#
40)	Toxaphene...	8.682	8.966	3669494	15324	1149.728	7.465	#
41)	Toxaphene...	8.758	9.355	37934	2009344	10.498	945.440	#
42)	Toxaphene...	3.685f	3.643f	7614	4608	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:24
Operator : MJB
Sample : 1C03049-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:41
Operator : MJB
Sample : 1C03049-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.535	5.915	19220970	11735598	92.937	97.662	
22)	S	DCBP (S)	9.752	10.433	12282249	6760110	95.285	99.623	
		Target Compounds							
2)		a-BHC	6.087	6.512	26996327	16298936	97.615	93.113	
3)		g-BHC	6.373	6.828	23591201	13839151	97.023	91.406	
4)		b-BHC	6.452	6.893	9989550	6207178	98.527	97.547	
5)		Heptachlor	6.771	7.201	20490735	12109770	93.129	93.232	
6)		d-BHC	6.604	7.142	22833506	13967851	94.920	101.002	
7)		Aldrin	7.013	7.465	21644580	13087632	95.100	93.364	
8)		Heptachlo...	7.483	7.901	18484480	11361543	97.675	98.595	
9)		trans-Chl...	7.575	8.040	20280125	11877529	99.606	99.730	
10)		cis-Chlor...	7.673	8.148	19500890	11368069	99.687	100.512	
11)		Endosulfa...	7.777	8.197	17435491	10773071	98.166	100.474	
12)		4,4'-DDE	7.725	8.250	20923729	12227832	100.307	99.338	
13)		Dieldrin	7.951	8.396	20092854	12072959	99.710	99.533	
14)		Endrin	8.120	8.620	15527427	8992921	98.897	100.159	
15)		4,4'-DDD	8.155	8.664	17527198	10230981	98.953	100.922	
16)		Endosulfa...	8.281	8.767	15518714	9548387	99.088	99.404	
17)		4,4'-DDT	8.351	8.889	15266202	8160273	105.354	107.016	
18)		Endrin Al...	8.577	9.003	13707734	7831997	99.425	99.771	
19)		Endosulfa...	8.883	9.197	15151578	8910882	99.621	102.708	
20)		Methoxychlor	8.683	9.356	7413230	4155882	100.564	101.904	
21)		Endrin Ke...	9.083	9.589	16989945	9762073	99.716	102.089	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.842	6.311f	14672	16528	BelowCal	2028.457	
25)		Oxychlordane	7.335	7.773f	58605	355082	0.153	3.416	#
26)		2,4'-DDE	7.416	7.997	98503	77469	0.576	0.808	#
27)		trans-Non...	7.575f	8.090	20280125	37346	103.890	0.124	#
28)		2,4'-DDD	7.777	8.396f	17435491	12072959	147.805	180.958	
29)		2,4'-DDT	7.951f	8.571	20092854	35352	159.787	0.423	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:41
Operator : MJB
Sample : 1C03049-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

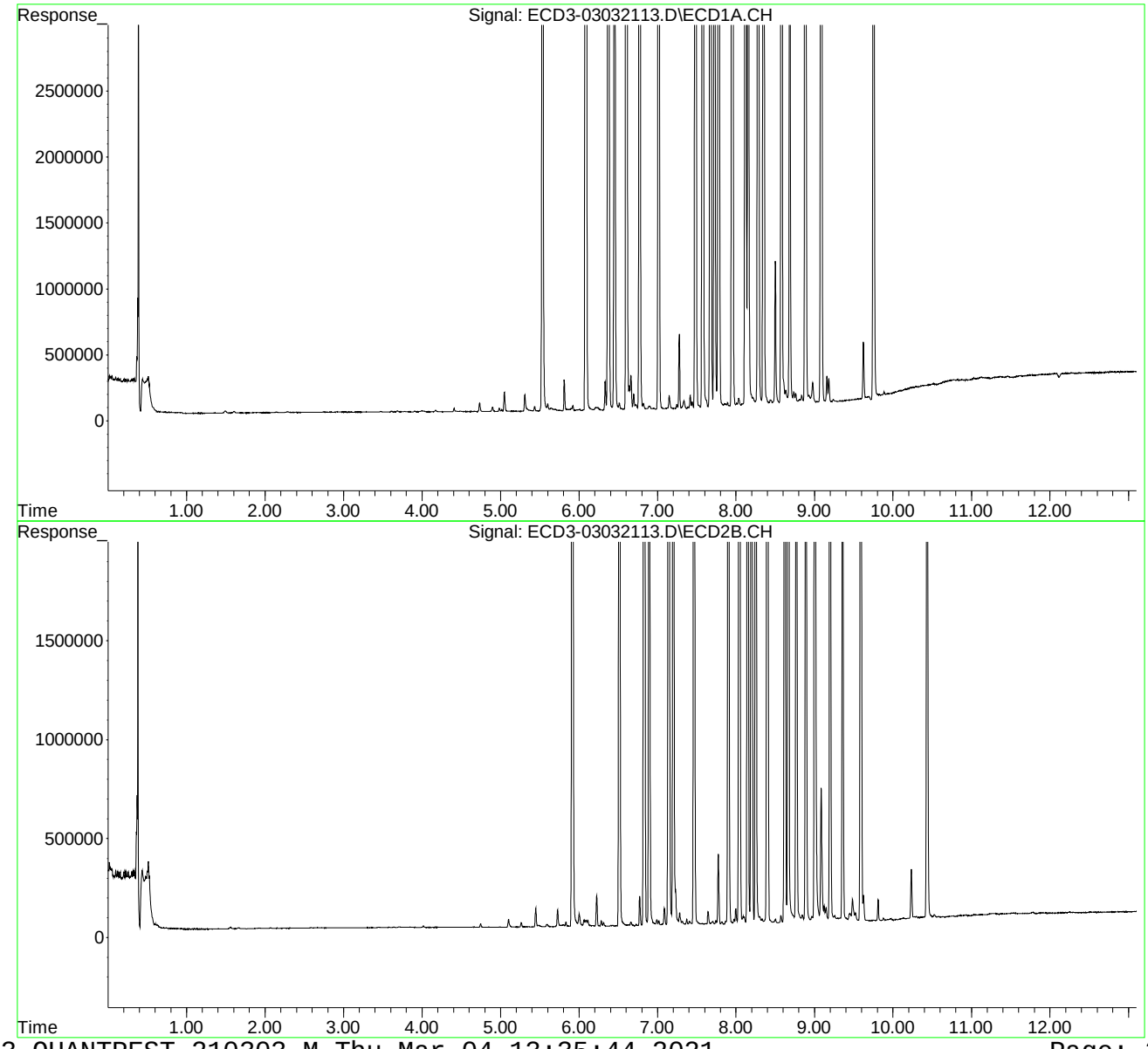
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.076	8.620	18477	8992921	BelowCal	79.493	
31)	Mirex	8.734	9.520f	89318	43000	0.329	0.193	#
32)	Chlordane...	7.527	7.997	21053	77469	0.914	5.620	#
33)	Chlordane...	7.575f	8.103	20280125	34611	913.117	2.995	#
34)	Chlordane...	8.155	8.767	17527198	9548387	2531.710	2494.702	
35)	Chlordane...	3.683f	3.703f	8289	3305	NoCal	NoCal	
36)	Toxaphene...	7.575	8.331	20280125	24362	BelowCal	18.474	
37)	Toxaphene...	7.890	8.664f	31969	10230981	16.639	7086.548	#
38)	Toxaphene...	8.215	0.000	60508	0	15.631	N.D.	#
39)	Toxaphene...	8.441	8.767f	36986	9548387	9.113	2749.026	#
40)	Toxaphene...	8.683	8.966	7413230	29622	2322.717	14.429	#
41)	Toxaphene...	8.758	9.356	77145	4155882	21.350	1955.433	#
42)	Toxaphene...	3.683f	3.703f	8289	3305	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:41
Operator : MJB
Sample : 1C03049-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:58
Operator : MJB
Sample : 1C03049-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.535	5.916	38236057	23039578	184.878	204.874	
22) S	DCBP (S)	9.751	10.432	26212916	13238936	206.629	203.313	
	Target Compounds							
2)	a-BHC	6.087	6.512	54142028	31103499	195.770	177.688	
3)	g-BHC	6.373	6.828	47150369	26704939	193.914	176.383	
4)	b-BHC	6.452	6.893	20349527	12415571	202.510	204.093	
5)	Heptachlor	6.771	7.202	41323584	23875495	187.813	183.816	
6)	d-BHC	6.603	7.142	46436514	26768523	193.038	198.594	
7)	Aldrin	7.013	7.465	43403424	25281940	190.702	180.355	
8)	Heptachlo...	7.483	7.901	37002534	22325714	204.283	202.317	
9)	trans-Chl...	7.575	8.040	40736662	23254989	200.717	199.843	
10)	cis-Chlor...	7.673	8.148	39534850	21805146	200.635	199.538	
11)	Endosulfa...	7.776	8.197	35073995	20842019	202.818	199.303	
12)	4,4'-DDE	7.724	8.250	42024525	23806963	199.663	199.422	
13)	Dieldrin	7.950	8.396	40753991	23674552	200.112	200.221	
14)	Endrin	8.119	8.620	31865887	18274967	201.321	200.692	
15)	4,4'-DDD	8.155	8.664	36177474	20162389	200.075	198.704	
16)	Endosulfa...	8.280	8.767	31778462	19249623	201.169	200.107	
17)	4,4'-DDT	8.351	8.889	31609756	16626313	218.144	218.042	
18)	Endrin Al...	8.577	9.002	27999297	15613548	202.301	202.041	
19)	Endosulfa...	8.883	9.197	30911262	17573109	200.923	196.899	
20)	Methoxychlor	8.682	9.355	15541988	8832474	199.524	198.110	
21)	Endrin Ke...	9.083	9.589	35153729	19955514	200.582	196.107	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.840	6.311f	26912	29190	BelowCal	2028.353	
25)	Oxychlordane	7.335	7.773f	94625	671731	0.365	6.660	#
26)	2,4'-DDE	7.415	7.997	181163	125073	1.207	1.426	
27)	trans-Non...	7.575f	8.090	40736662	56794	204.892	0.301	#
28)	2,4'-DDD	7.776	8.396f	35073995	23674552	299.650	361.196	
29)	2,4'-DDT	7.950f	8.570	40753991	57578	291.376	0.803	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:58
Operator : MJB
Sample : 1C03049-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

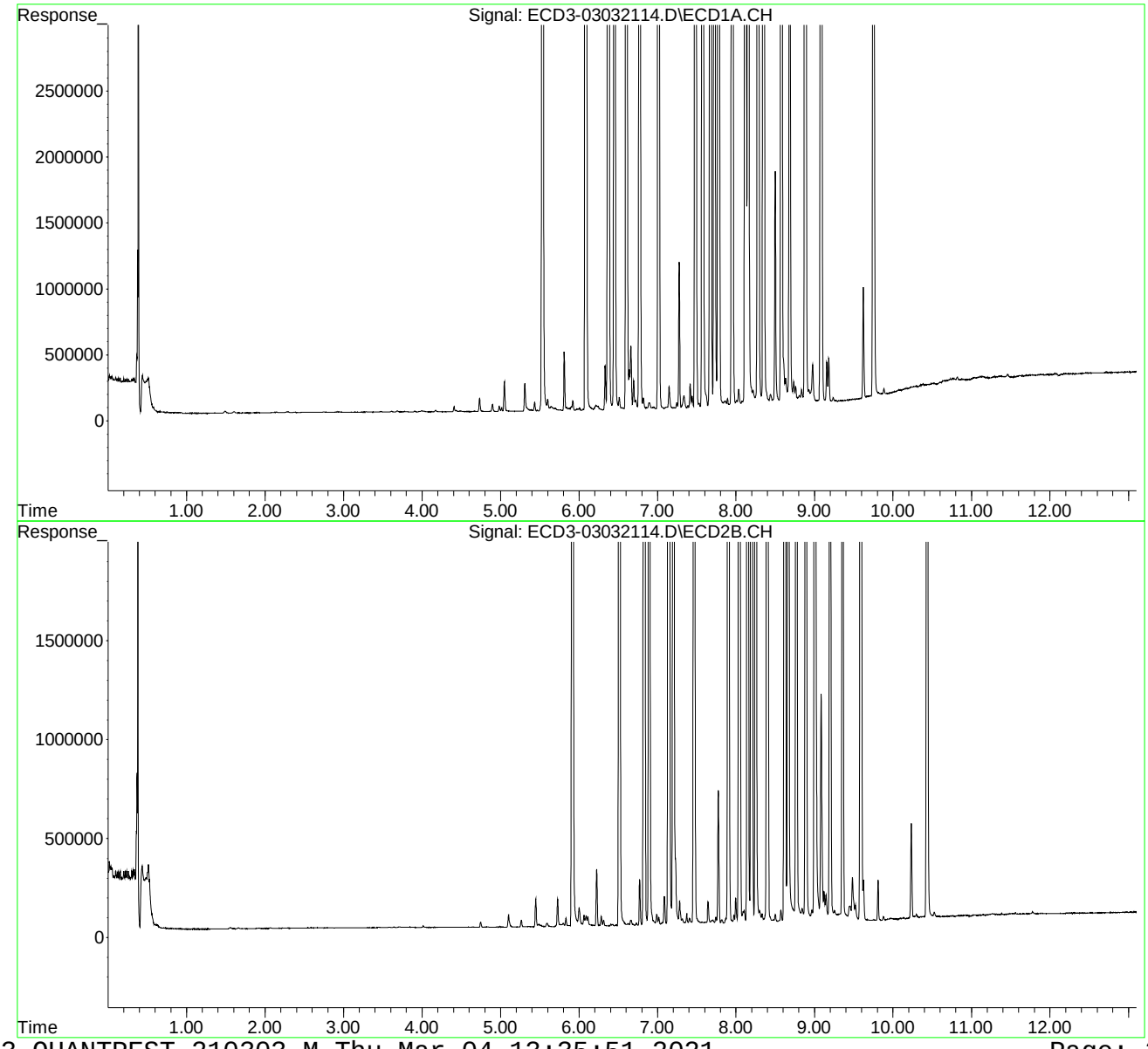
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.074	8.620	32776	18274967	BelowCal	164.333	
31)	Mirex	8.733	9.519f	160916	74898	0.922	0.690	
32)	Chlordane...	7.528	7.997	31114	125073	1.351	9.073	#
33)	Chlordane...	7.575f	8.104	40736662	62454	1834.178	5.405	#
34)	Chlordane...	8.155	8.767	36177474	19249623	5225.643	5029.339	
35)	Chlordane...	3.684f	3.705f	8029	1113	NoCal	NoCal	
36)	Toxaphene...	7.575	8.331	40736662	42707	BelowCal	33.169	
37)	Toxaphene...	7.888	8.664f	58157	20162389	30.269	13965.595	#
38)	Toxaphene...	8.214	0.000	112015	0	28.937	N.D.	#
39)	Toxaphene...	8.439	8.767f	71455	19249623	17.607	5542.058	#
40)	Toxaphene...	8.682	8.966	15541988	55769	4869.624	27.165	#
41)	Toxaphene...	8.757	9.355	125330	8832474	34.685	4155.870	#
42)	Toxaphene...	3.684f	3.705f	8029	1113	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:58
Operator : MJB
Sample : 1C03049-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:27:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S	DCBP (S)	9.759	10.430	4798	5022	7577.979	2737.982 #
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	6.827	0	3684	N.D.	0.024 #
4)	b-BHC	6.453	6.893	12957	9359	14656.952	2615.847 #
5)	Heptachlor	6.771	0.000	4528	0	0.021	N.D. #
6)	d-BHC	6.605	7.143	15759	10685	0.066	4083.407 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.473	7.900	84406	6964	0.219	2603.379 #
9)	trans-Chl...	7.576	8.026	12671	52000	42734.631	0.212 #
10)	cis-Chlor...	7.660	8.147	125158	10225	0.381	3124.819 #
11)	Endosulfa...	7.779	8.197	12708	8162	4235.537	4263.108
12)	4,4'-DDE	7.725	8.248	18984	10909	BelowCal	3509.528
13)	Dieldrin	7.951	8.398	14713	54641	BelowCal	0.286
14)	Endrin	8.138	8.621	129326	32387	0.654	0.199 #
15)	4,4'-DDD	8.138	8.666	129326	83170	0.539	0.619
16)	Endosulfa...	8.284	8.768	14897	9240	BelowCal	BelowCal
17)	4,4'-DDT	8.352	8.889	8393	5043	0.058	0.066
18)	Endrin Al...	8.579	9.002	35019	22427	BelowCal	9483.542
19)	Endosulfa...	8.884	9.197	14889	8577	BelowCal	BelowCal
20)	Methoxychlor	8.685	0.000	3994	0	BelowCal	N.D.
21)	Endrin Ke...	9.084	9.580	16123	75831	BelowCal	0.216
23)	Hexachlor...	3.329	3.627	131299	99010	0.554	0.478
24)	Hexachlor...	5.920	6.379	136561	87243	0.485	0.481
25)	Oxychlordane	7.406	7.831	110485	67478	0.580	0.583
26)	2,4'-DDE	7.473	8.026	84406	52000	0.576	0.566
27)	trans-Non...	7.660	8.106	125158	75412	0.570	0.584
28)	2,4'-DDD	7.852	8.398	77449	54641	0.569	0.493
29)	2,4'-DDT	8.033	8.621	52131	32387	0.458	0.510

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Curve point not used in the calibration.

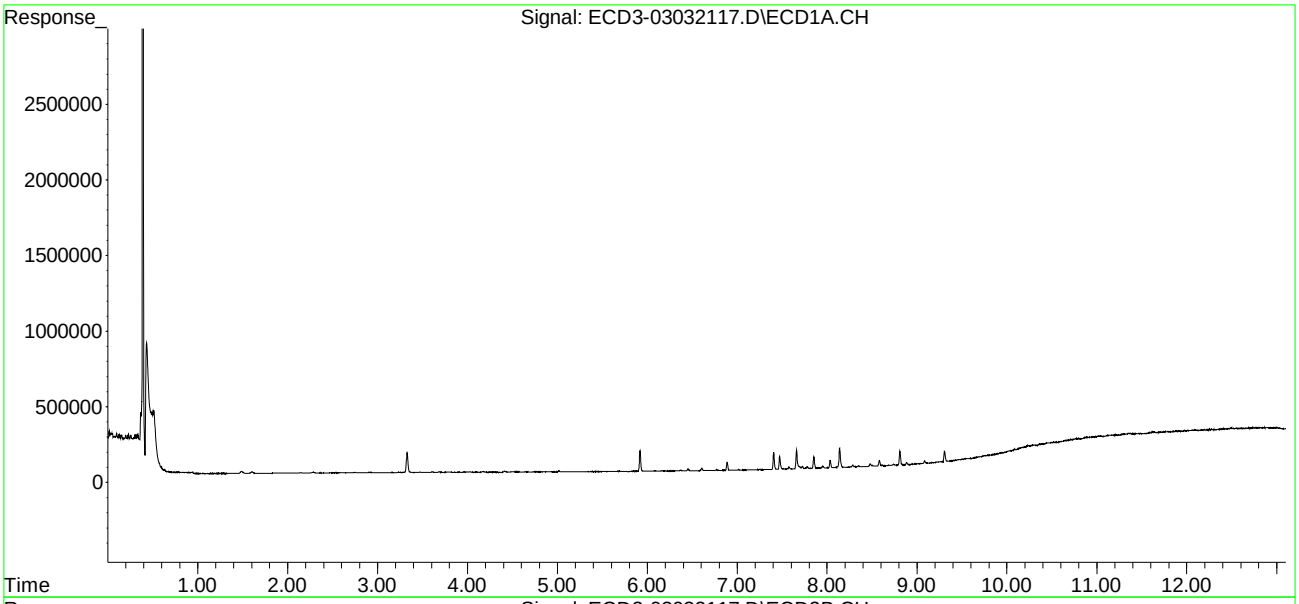
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.138	8.666	129326	83170	0.563	0.615	
31)	Mirex	8.809	9.580	90050	75831	~~0.333~~	~~0.725~~	#
32)	Chlordane...	7.576	8.026	12671	52000	0.519	3.322	#
33)	Chlordane...	7.660	8.147	125158	10225	5.265	0.779	#
34)	Chlordane...	0.000	8.806	0	9818	N.D.	2.426	#
35)	Chlordane...	0.000	3.703f	0	3209	N.D.	NoCal	
36)	Toxaphene...	7.660	8.398f	125158	54641	125.824	42.011	#
37)	Toxaphene...	7.951	0.000	14713	0	7.354	N.D.	#
38)	Toxaphene...	8.284	8.768	14897	9240	3.782	0.675	#
39)	Toxaphene...	8.498	8.806	5745	9818	1.374	2.733	#
40)	Toxaphene...	8.737	9.002	7532	22427	2.500	10.570	#
41)	Toxaphene...	8.809	0.000	90050	0	25.534	N.D.	#
42)	Toxaphene...	0.000	3.703f	0	3209	N.D.	NoCal	

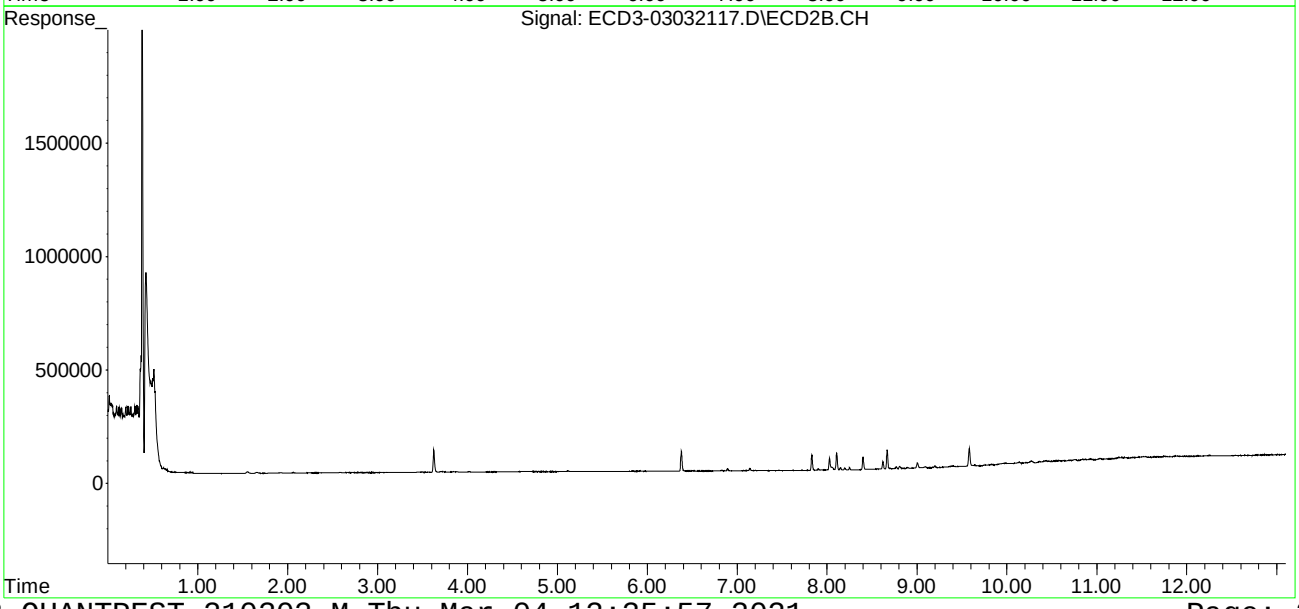
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:33:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:07
Operator : MJB
Sample : 1C03049-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S	DCBP (S)	9.749	10.428	3947	4218	7577.985	2737.993 #
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	Aldrin	0.000	7.489f	0	7734	N.D.	0.055 #
8)	Heptachlo...	7.472	0.000	166850	0	0.640	N.D. #
9)	trans-Chl...	7.562	8.026	17730	104204	42734.606	0.642 #
10)	cis-Chlor...	7.681	0.000	15825	0	BelowCal	N.D.
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13)	Dieldrin	0.000	8.398	0	95066	N.D.	0.612 #
14)	Endrin	8.138	8.620	252010	63363	1.444	0.550 #
15)	4,4'-DDD	8.138	8.666	252010	147913	1.248	1.260
16)	Endosulfa...	0.000	8.805f	0	8254	N.D.	BelowCal
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin Al...	8.578	9.003	34937	19363	BelowCal	9483.581
19)	Endosulfa...	8.882	0.000	3632	0	BelowCal	N.D.
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21)	Endrin Ke...	9.082	9.577	4121	94792	BelowCal	0.431
23)	Hexachlor...	3.330	3.627	266916	197542	1.126	1.071
24)	Hexachlor...	5.919	6.378	257523	167332	1.055	1.066
25)	Oxychlordane	7.405	7.831	219915	133526	1.154	1.153
26)	2,4'-DDE	7.472	8.026	166850	104204	1.139	1.135
27)	trans-Non...	7.659	8.106	240378	145269	1.094	1.125
28)	2,4'-DDD	7.851	8.398	153422	95066	1.126	1.016
29)	2,4'-DDT	8.032	8.620	114198	63363	1.003	0.998

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:07
Operator : MJB
Sample : 1C03049-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

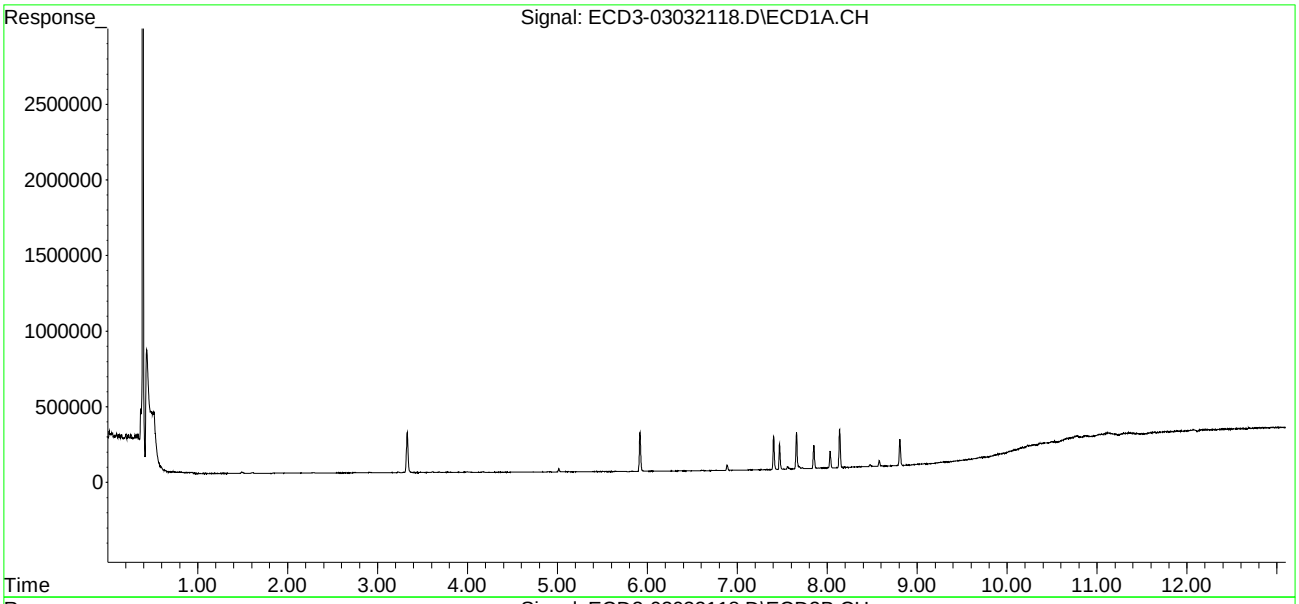
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.138	8.666	252010	147913	1.097	1.093	
31)	Mirex	8.808	9.577	173148	94792	0.983	0.984	
32)	Chlordane...	7.562	8.026	17730	104204	0.727	6.656	#
33)	Chlordane...	7.681	0.000	15825	0	0.666	N.D.	#
34)	Chlordane...	0.000	8.805	0	8254	N.D.	2.040	#
35)	Chlordane...	0.000	3.704f	0	2665	N.D.	NoCal	
36)	Toxaphene...	7.659	8.398f	240378	95066	241.657	73.093	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.475f	8.805	13068	8254	3.125	2.298	
40)	Toxaphene...	0.000	9.003	0	19363	N.D.	9.126	#
41)	Toxaphene...	8.808	0.000	173148	0	49.097	N.D.	#
42)	Toxaphene...	0.000	3.704f	0	2665	N.D.	NoCal	

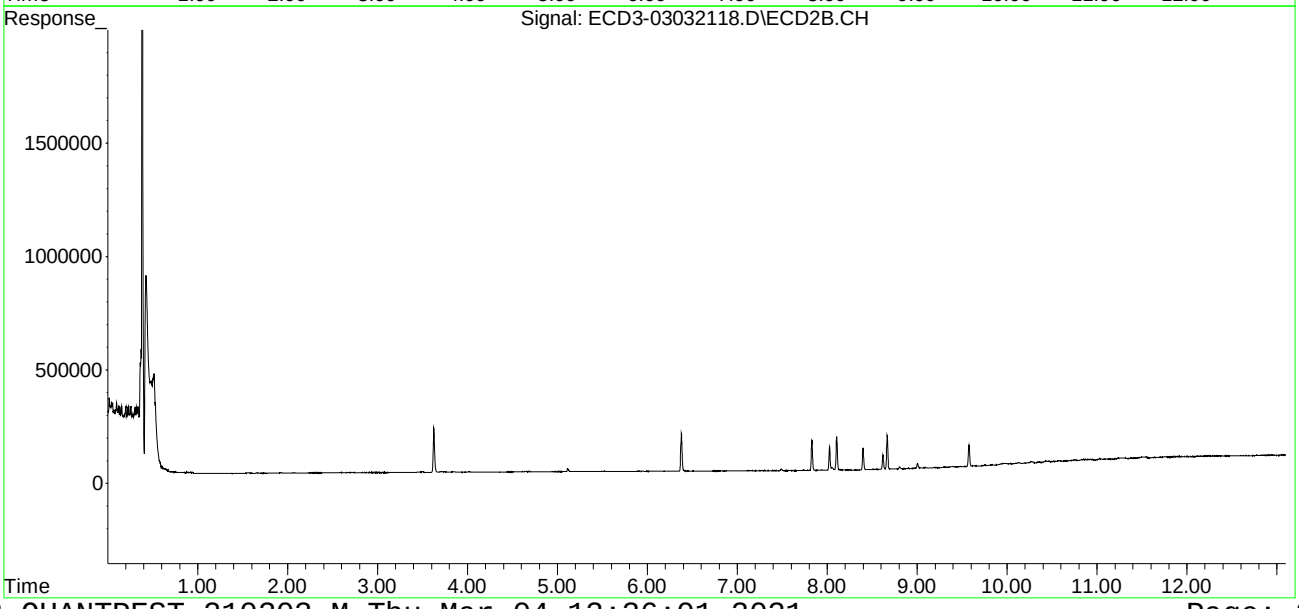
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:07
Operator : MJB
Sample : 1C03049-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:25
Operator : MJB
Sample : 1C03049-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.505f	0.000	4203	0	0.020	N.D.	#
22)	S	DCBP (S)	0.000	10.431	0	3838	N.D.	2737.999	#
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)		d-BHC	6.606	0.000	4061	0	0.017	N.D.	#
7)		Aldrin	0.000	7.489f	0	5382	N.D.	0.038	#
8)		Heptachlo...	7.472	0.000	303837	0	1.339	N.D.	#
9)		trans-Chl...	7.563	8.052	13060	12334	42734.629	4677.100	#
10)		cis-Chlor...	7.659	8.146	451699	6010	2.069	3124.855	#
11)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)		4,4'-DDE	7.726	0.000	8111	0	BelowCal	N.D.	
13)		Dieldrin	7.949	8.398	5111	174025	BelowCal	1.249	
14)		Endrin	8.137	8.620	464744	117166	2.813	1.159	#
15)		4,4'-DDD	8.137	8.666	464744	269198	2.476	2.462	
16)		Endosulfa...	8.282	8.803f	5999	10327	BelowCal	BelowCal	
17)		4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)		Endrin Al...	8.577	9.002	7841	4783	BelowCal	9483.767	
19)		Endosulfa...	8.884	9.197	8731	4671	BelowCal	BelowCal	
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	9.084	9.577	9589	171481	BelowCal	1.300	
23)		Hexachlor...	3.331	3.628	503290	365907	2.123	2.086	
24)		Hexachlor...	5.920	6.378	461810	299773	2.017	2.035	
25)		Oxychlordane	7.405	7.831	395761	242935	2.076	2.098	
26)		2,4'-DDE	7.472	8.025	303837	190381	2.074	2.074	
27)		trans-Non...	7.659	8.106	451699	268332	2.056	2.078	
28)		2,4'-DDD	7.852	8.398	285970	174025	2.100	2.038	
29)		2,4'-DDT	8.033	8.620	215273	117166	1.890	1.846	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:25
Operator : MJB
Sample : 1C03049-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

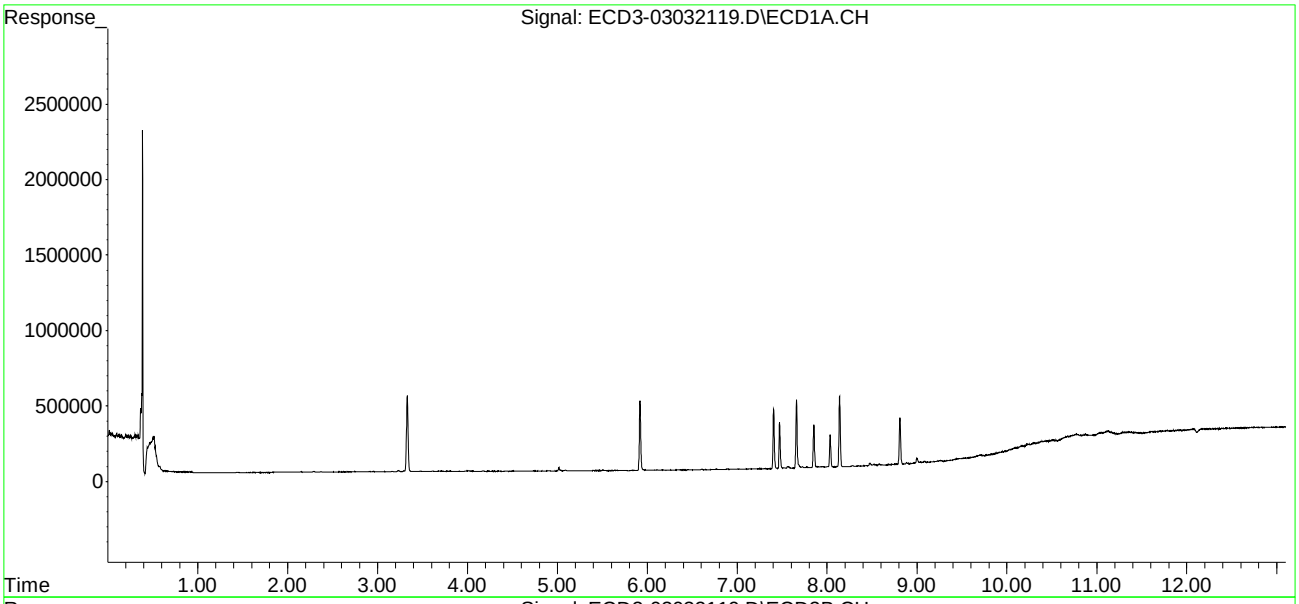
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	464744	269198	2.023	1.989	
31)	Mirex	8.809	9.577	308290	171481	2.040	2.034	
32)	Chlordane...	7.563	8.025	13060	190381	0.535	12.161	#
33)	Chlordane...	7.659	8.146	451699	6010	19.003	0.458	#
34)	Chlordane...	0.000	8.803	0	10327	N.D.	2.552	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.659	8.398f	451699	174025	454.102	133.801	#
37)	Toxaphene...	7.949	0.000	5111	0	2.554	N.D.	#
38)	Toxaphene...	8.282	0.000	5999	0	1.523	N.D.	#
39)	Toxaphene...	8.502	8.803f	2464	10327	0.589	2.875	#
40)	Toxaphene...	0.000	9.002	0	4783	N.D.	2.254	#
41)	Toxaphene...	8.809	0.000	308290	0	87.418	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

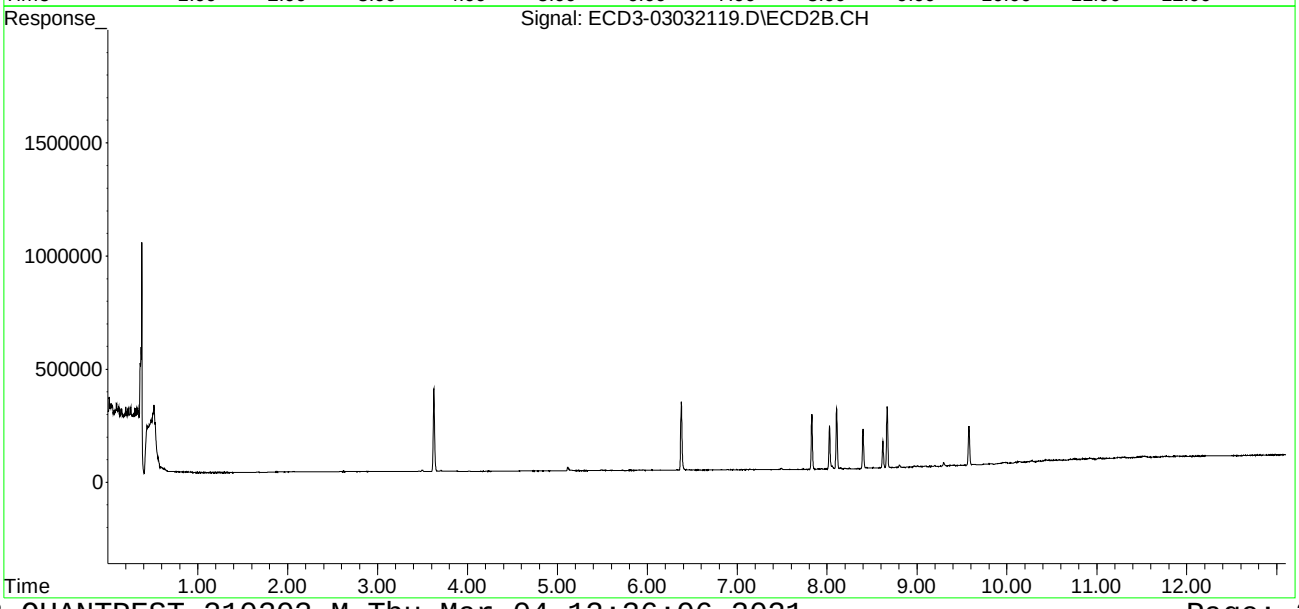
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:25
Operator : MJB
Sample : 1C03049-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:42
Operator : MJB
Sample : 1C03049-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:30 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.505f	5.952f	8901	5800	0.043	1787.747	#
22) S	DCBP (S)	9.767	0.000	4315	0	7577.982	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.510	0	1357	N.D.	0.008	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.768	7.200	6082	3337	0.028	0.026	
6)	d-BHC	6.602	0.000	5340	0	0.022	N.D.	#
7)	Aldrin	0.000	7.487f	0	12912	N.D.	0.092	#
8)	Heptachlo...	7.472	7.936f	759115	6896	3.666	2603.380	#
9)	trans-Chl...	7.561	8.025	27509	470463	42734.558	3.661	#
10)	cis-Chlor...	7.658	8.142	1108639	7395	5.462	3124.844	#
11)	Endosulfa...	7.755	0.000	3823	0	4235.586	N.D.	#
12)	4,4'-DDE	7.724	0.000	7372	0	BelowCal	N.D.	
13)	Dieldrin	7.925f	8.398	7105	416993	BelowCal	3.210	
14)	Endrin	8.137	8.620	1153026	289734	7.239	3.112	#
15)	4,4'-DDD	8.137	8.666	1153026	676582	6.448	6.496	
16)	Endosulfa...	8.283	8.803f	2754	11271	BelowCal	BelowCal	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.576	9.003	5456	3190	BelowCal	9483.787	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.085	9.576	3093	409939	BelowCal	3.995	
23)	Hexachlor...	3.330	3.627	1154744	853516	4.870	5.033	
24)	Hexachlor...	5.919	6.378	1123158	727228	5.134	5.170	
25)	Oxychlordane	7.404	7.830	957258	570429	5.021	4.927	
26)	2,4'-DDE	7.472	8.025	759115	470463	5.181	5.125	
27)	trans-Non...	7.658	8.105	1108639	642147	5.047	4.974	
28)	2,4'-DDD	7.851	8.398	694392	416993	5.098	5.186	
29)	2,4'-DDT	8.031	8.620	539524	289734	4.737	4.565	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:42
Operator : MJB
Sample : 1C03049-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:30 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

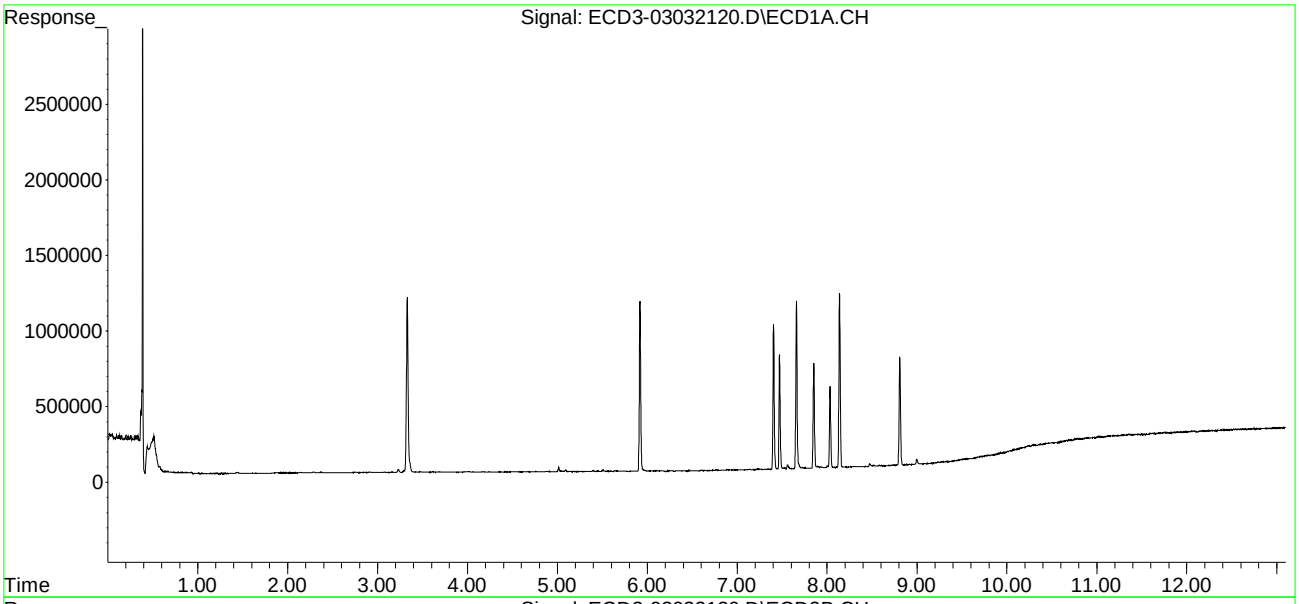
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	1153026	676582	5.018	5.000	
31)	Mirex	8.807	9.576	716547	409939	5.228	5.297	
32)	Chlordane...	7.561	8.025	27509	470463	1.128	30.051	#
33)	Chlordane...	7.658	8.142	1108639	7395	46.640	0.563	#
34)	Chlordane...	0.000	8.803	0	11271	N.D.	2.785	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.398f	1108639	416993	1114.538	320.610	#
37)	Toxaphene...	7.925f	0.000	7105	0	3.551	N.D.	#
38)	Toxaphene...	8.283	0.000	2754	0	0.699	N.D.	#
39)	Toxaphene...	8.520	8.803f	7415	11271	1.773	3.137	#
40)	Toxaphene...	0.000	9.003	0	3190	N.D.	1.504	#
41)	Toxaphene...	8.807	0.000	716547	0	203.182	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

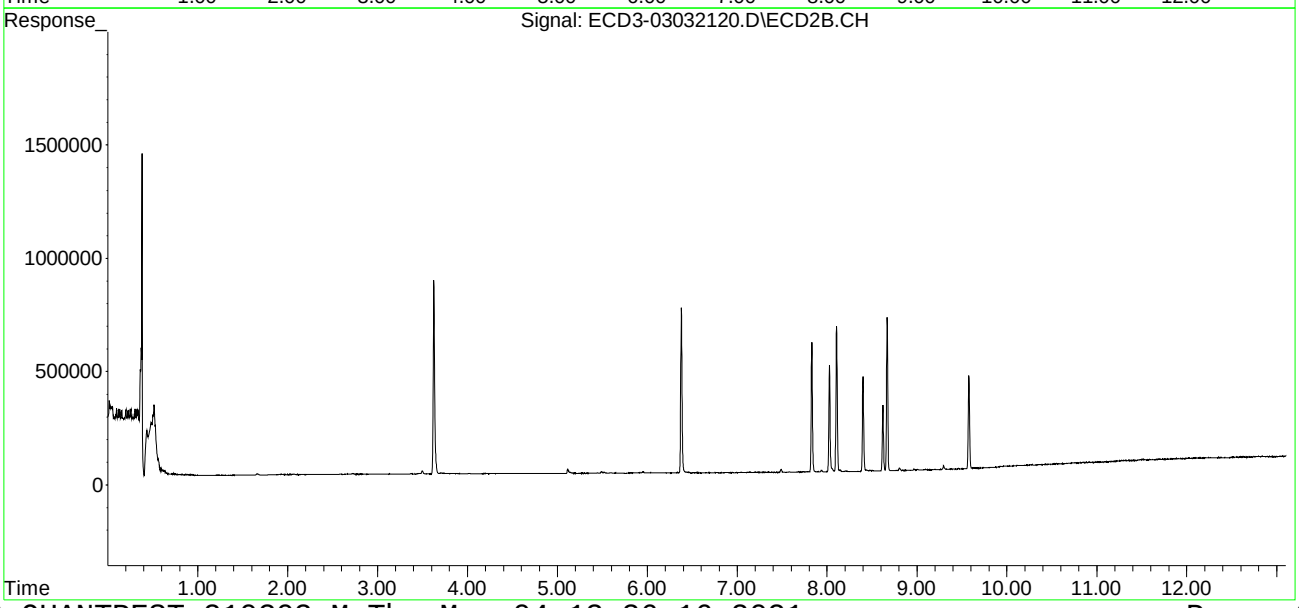
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:42
Operator : MJB
Sample : 1C03049-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:30 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:59
Operator : MJB
Sample : 1C03049-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.505f	5.952f	18465	11337	0.089	1787.703	#
22)	S	DCBP (S)	9.753	10.432	5645	9402	7577.972	2737.920	#
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	6.770	7.200	8107	4753	0.037	0.037	
6)		d-BHC	6.606	0.000	5368	0	0.022	N.D.	#
7)		Aldrin	0.000	7.488f	0	11857	N.D.	0.085	#
8)		Heptachlo...	7.472	7.937f	1369849	10694	6.793	2603.348	#
9)		trans-Chl...	7.562	8.025	27606	860266	42734.557	6.879	#
10)		cis-Chlor...	7.659	8.142	2058161	13416	10.364	3124.792	#
11)		Endosulfa...	7.757	8.210	5700	4531	4235.575	4263.141	
12)		4,4'-DDE	7.725	8.210f	9068	4531	BelowCal	3509.578	
13)		Dieldrin	7.926f	8.398	12508	770623	BelowCal	6.067	
14)		Endrin	8.137	8.620	2143163	558251	13.601	6.149	#
15)		4,4'-DDD	8.137	8.666	2143163	1276559	12.149	12.435	
16)		Endosulfa...	0.000	8.804f	0	9132	N.D.	BelowCal	
17)		4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)		Endrin Al...	8.576	9.006	6315	2609	BelowCal	9483.795	
19)		Endosulfa...	8.854f	9.198	4434	2759	BelowCal	BelowCal	
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	0.000	9.577	0	722331	N.D.	7.509	#
23)		Hexachlor...	3.330	3.627	2172619	1586552	9.164	9.490	
24)		Hexachlor...	5.919	6.378	2103273	1346743	9.754	9.736	
25)		Oxychlordane	7.405	7.830	1759606	1066713	9.230	9.213	
26)		2,4'-DDE	7.472	8.025	1369849	860266	9.349	9.371	
27)		trans-Non...	7.659	8.105	2058161	1206001	9.370	9.341	
28)		2,4'-DDD	7.851	8.398	1278139	770623	9.384	9.769	
29)		2,4'-DDT	8.032	8.620	1021435	558251	8.969	8.796	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:59
Operator : MJB
Sample : 1C03049-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

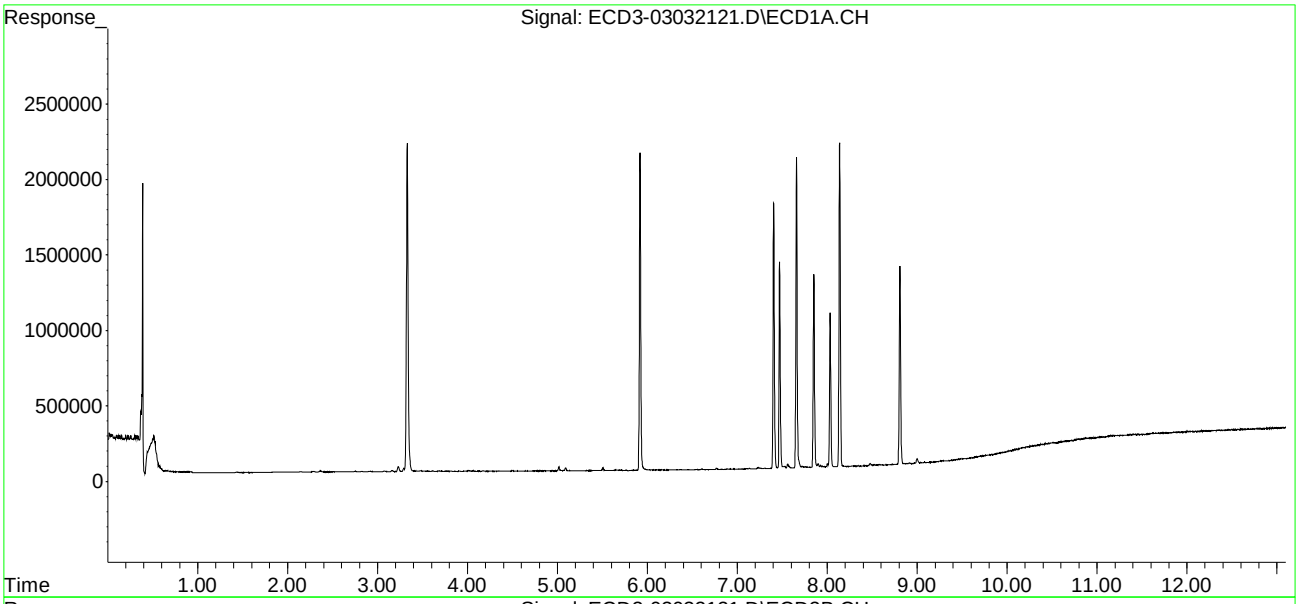
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	2143163	1276559	9.328	9.433	
31)	Mirex	8.808	9.577	1311683	722331	9.869	9.571	
32)	Chlordane...	7.562	8.025	27606	860266	1.132	54.950	#
33)	Chlordane...	7.659	8.142	2058161	13416	86.585	1.022	#
34)	Chlordane...	0.000	8.804	0	9132	N.D.	2.257	#
35)	Chlordane...	0.000	3.704f	0	3389	N.D.	NoCal	
36)	Toxaphene...	7.659	8.398f	2058161	770623	2069.110	592.504	#
37)	Toxaphene...	7.926f	0.000	12508	0	6.252	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.522	8.804	6567	9132	1.570	2.542	#
40)	Toxaphene...	0.000	9.006	0	2609	N.D.	1.229	#
41)	Toxaphene...	8.808	9.401f	1311683	3192	371.936	1.500	#
42)	Toxaphene...	0.000	3.704f	0	3389	N.D.	NoCal	

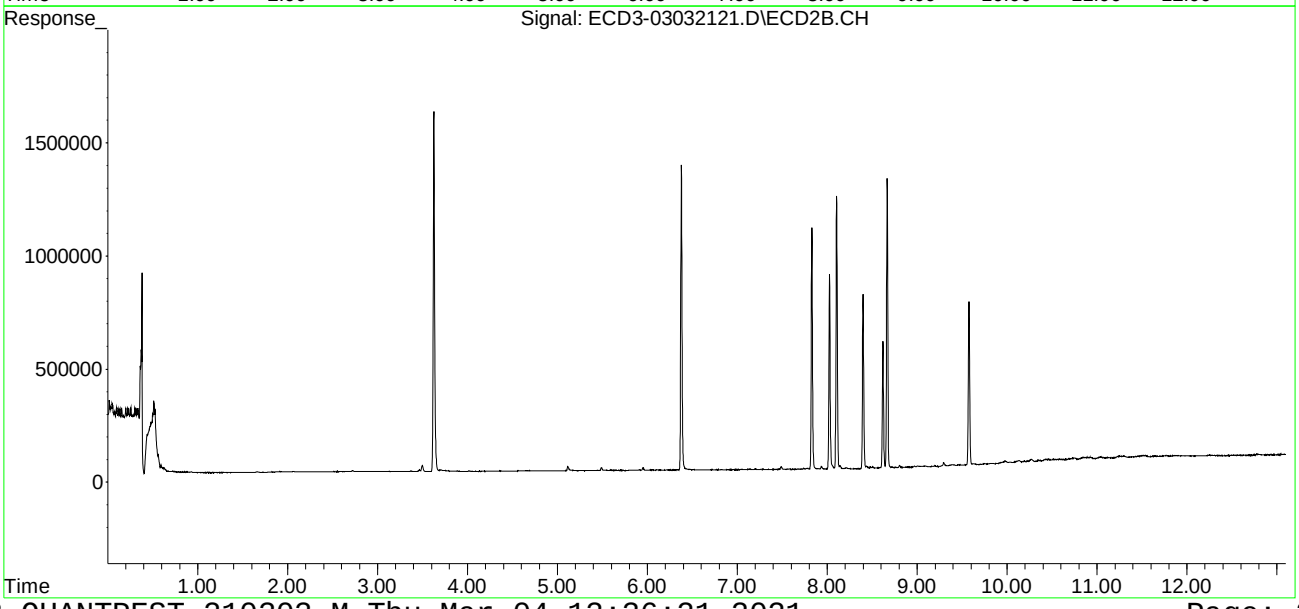
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:59
Operator : MJB
Sample : 1C03049-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:16
Operator : MJB
Sample : 1C03049-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.504f	5.952f	45535	27329	0.220	0.074	#
22)	S DCBP (S)	9.752	0.000	4389	0	7577.982	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.769	7.199	14661	9378	0.067	0.072	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.490f	0	3555	N.D.	0.025	#
8)	Heptachlo...	7.471	7.937f	3398233	19002	17.234	2603.279	#
9)	trans-Chl...	7.572	8.025	12534	2134433	42734.631	17.427	#
10)	cis-Chlor...	7.658	8.141	5196180	27388	26.535	0.012	#
11)	Endosulfa...	7.756	8.211	11038	8079	4235.546	4263.109	
12)	4,4'-DDE	7.723	8.211f	8157	8079	BelowCal	3509.550	
13)	Dieldrin	7.925f	8.397	28571	1926085	BelowCal	15.431	
14)	Endrin	8.136	8.619	5467845	1569853	34.909	17.565	#
15)	4,4'-DDD	8.136	8.665	5467845	3276356	31.187	32.224	
16)	Endosulfa...	0.000	8.804f	0	10795	N.D.	BelowCal	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.575	9.008	7448	4114	BelowCal	9483.775	
19)	Endosulfa...	8.883	0.000	5155	0	BelowCal	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.081	9.576	5925	1844558	BelowCal	19.980	
23)	Hexachlor...	3.331	3.628	5778907	4116586	24.374	25.121	
24)	Hexachlor...	5.919	6.378	5230780	3285248	24.517	24.201	
25)	Oxychlordane	7.404	7.830	4459272	2741710	23.390	23.681	
26)	2,4'-DDE	7.471	8.025	3398233	2134433	23.192	23.250	
27)	trans-Non...	7.658	8.105	5196180	3031595	23.656	23.480	
28)	2,4'-DDD	7.850	8.397	3172329	1926085	23.292	24.771	
29)	2,4'-DDT	8.031	8.619	2825752	1569853	24.811	24.734	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:16
Operator : MJB
Sample : 1C03049-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

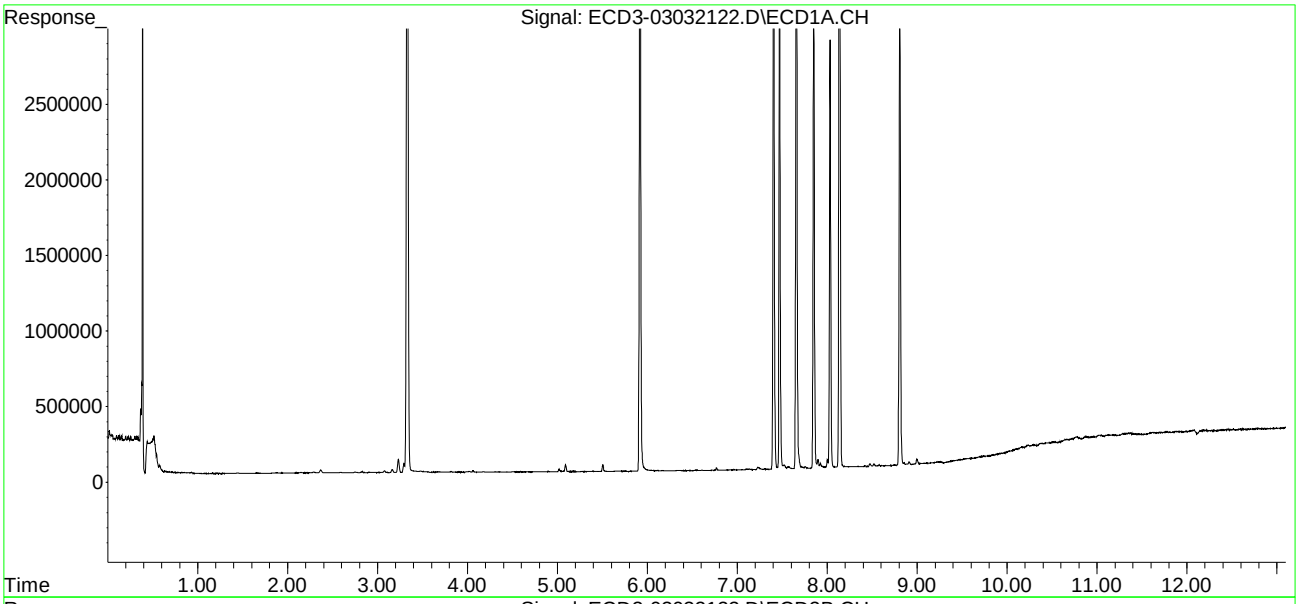
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.136	8.665	5467845	3276356	23.798	24.211	
31)	Mirex	8.807	9.576	3218550	1844558	24.682	24.915	
32)	Chlordane...	7.572	8.025	12534	2134433	0.514	136.337	#
33)	Chlordane...	7.658	8.141	5196180	27388	218.599	2.086	#
34)	Chlordane...	0.000	8.804	0	10795	N.D.	2.667	#
35)	Chlordane...	0.000	3.686	0	4074	N.D.	NoCal	
36)	Toxaphene...	7.658	8.397f	5196180	1926085	5223.825	1480.895	#
37)	Toxaphene...	7.925f	0.000	28571	0	14.280	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.520	8.804f	15498	10795	3.706	3.005	
40)	Toxaphene...	0.000	9.008	0	4114	N.D.	1.939	#
41)	Toxaphene...	8.807	0.000	3218550	0	912.641	N.D.	#
42)	Toxaphene...	0.000	3.686	0	4074	N.D.	NoCal	

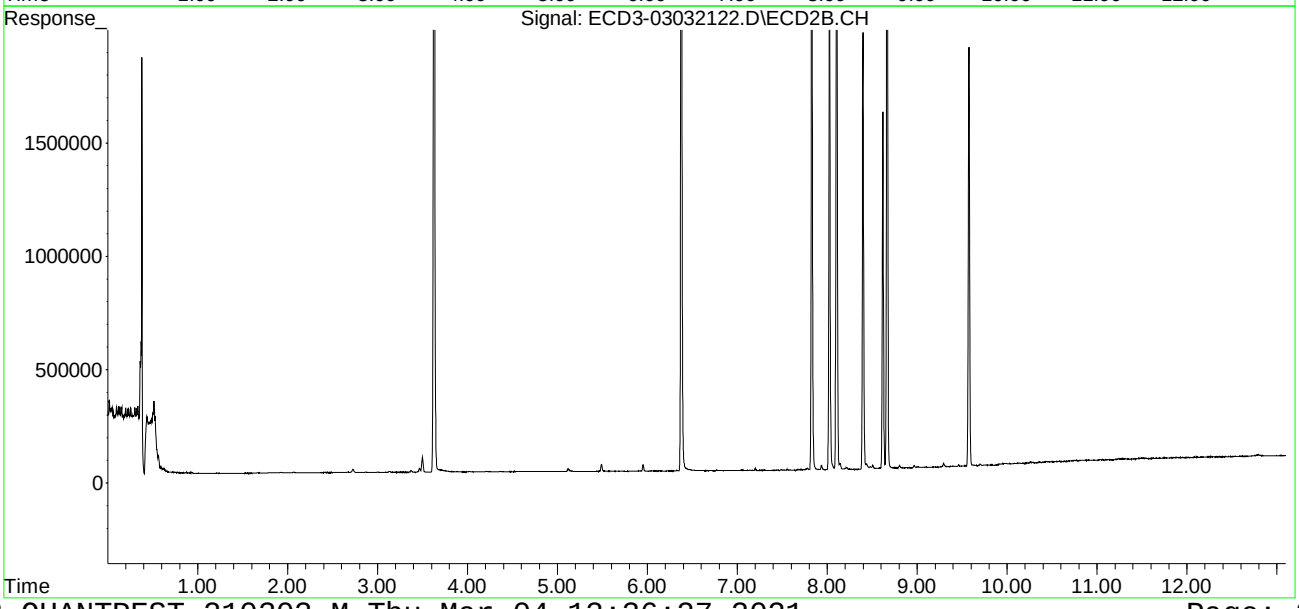
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:16
Operator : MJB
Sample : 1C03049-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:33
Operator : MJB
Sample : 1C03049-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.504f	5.952f	86441	53054	0.418	0.277	
22) S	DCBP (S)	9.787f	0.000	13471	0	7577.912	N.D.	#
	Target Compounds							
2)	a-BHC	6.083	6.508	2133	3001	0.008	0.017	#
3)	g-BHC	6.334f	0.000	3216	0	0.013	N.D.	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.770	7.200	29793	18504	0.135	0.142	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.440f	0	4031	N.D.	0.029	#
8)	Heptachlo...	7.471	7.937f	6764691	35890	34.749	0.104	#
9)	trans-Chl...	7.573	8.025	20266	4405528	42734.593	36.349	#
10)	cis-Chlor...	7.658	8.141	10262003	50864	52.546	0.214	#
11)	Endosulfa...	7.755	8.211	23433	15997	4235.478	4263.037	
12)	4,4'-DDE	7.725	8.211f	14735	15997	BelowCal	3509.488	
13)	Dieldrin	7.925f	8.398	53174	3797075	0.081	30.683	#
14)	Endrin	8.137	8.620	10903754	3359216	69.576	37.662	#
15)	4,4'-DDD	8.137	8.666	10903754	6303429	61.979	62.148	
16)	Endosulfa...	0.000	8.805f	0	9907	N.D.	BelowCal	
17)	4,4'-DDT	8.350	0.000	5583	0	0.039	N.D.	#
18)	Endrin Al...	8.572	9.007	9386	6899	BelowCal	9483.740	
19)	Endosulfa...	8.854f	0.000	25838	0	BelowCal	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.576	0	3630148	N.D.	39.356	#
23)	Hexachlor...	3.331	3.628	11058103	7713940	46.640	48.055	
24)	Hexachlor...	5.919	6.378	10457504	6488240	49.248	48.730	
25)	Oxychlordane	7.404	7.830	8843326	5450534	46.386	47.078	
26)	2,4'-DDE	7.471	8.025	6764691	4405528	46.166	47.989	
27)	trans-Non...	7.658	8.105	10262003	6142226	46.719	47.572	
28)	2,4'-DDD	7.851	8.398	6313806	3797075	46.357	49.144	
29)	2,4'-DDT	8.032	8.620	6052042	3359216	53.139	52.928	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:33
Operator : MJB
Sample : 1C03049-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

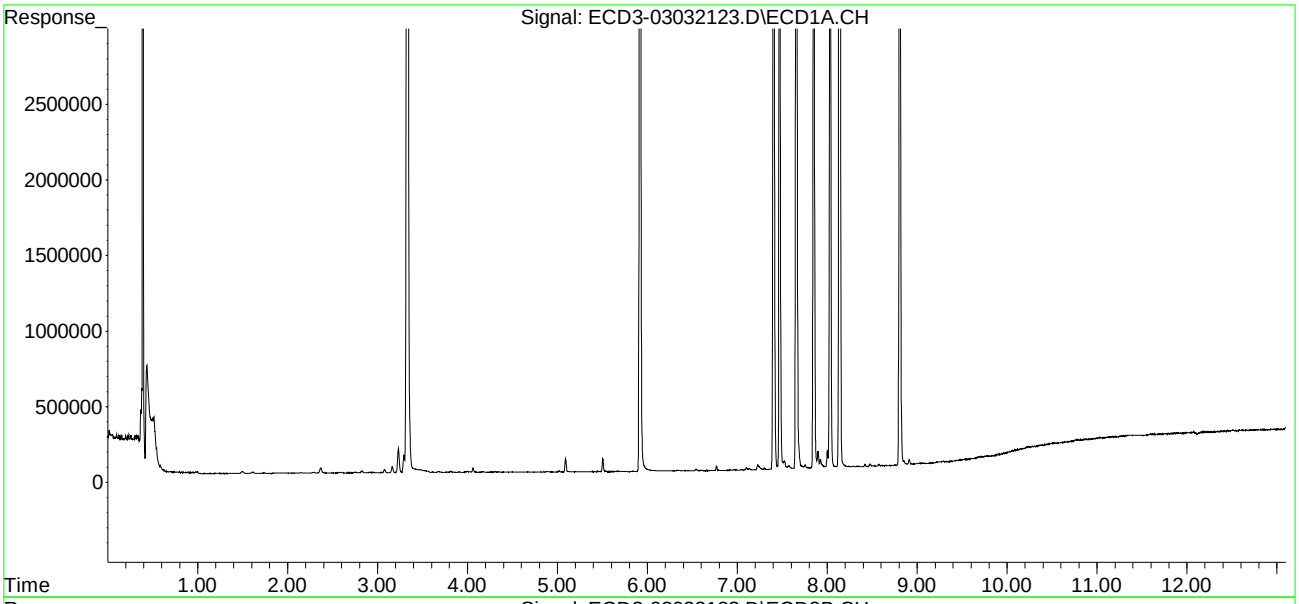
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	10903754	6303429	47.457	46.579	
31)	Mirex	8.807	9.576	6339632	3630148	48.743	49.294	
32)	Chlordane...	7.573	8.025	20266	4405528	0.831	281.403	#
33)	Chlordane...	7.658	8.141	10262003	50864	431.714	3.875	#
34)	Chlordane...	0.000	8.805	0	9907	N.D.	2.448	#
35)	Chlordane...	3.676f	0.000	5828	0	NoCal	N.D.	
36)	Toxaphene...	7.658	8.398f	10262003	3797075	10316.600	2919.430	#
37)	Toxaphene...	7.925f	0.000	53174	0	26.577	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.527	8.805	2731	9907	0.653	2.757	#
40)	Toxaphene...	0.000	9.007	0	6899	N.D.	3.251	#
41)	Toxaphene...	8.807	0.000	6339632	0	1797.644	N.D.	#
42)	Toxaphene...	3.676f	0.000	5828	0	NoCal	N.D.	

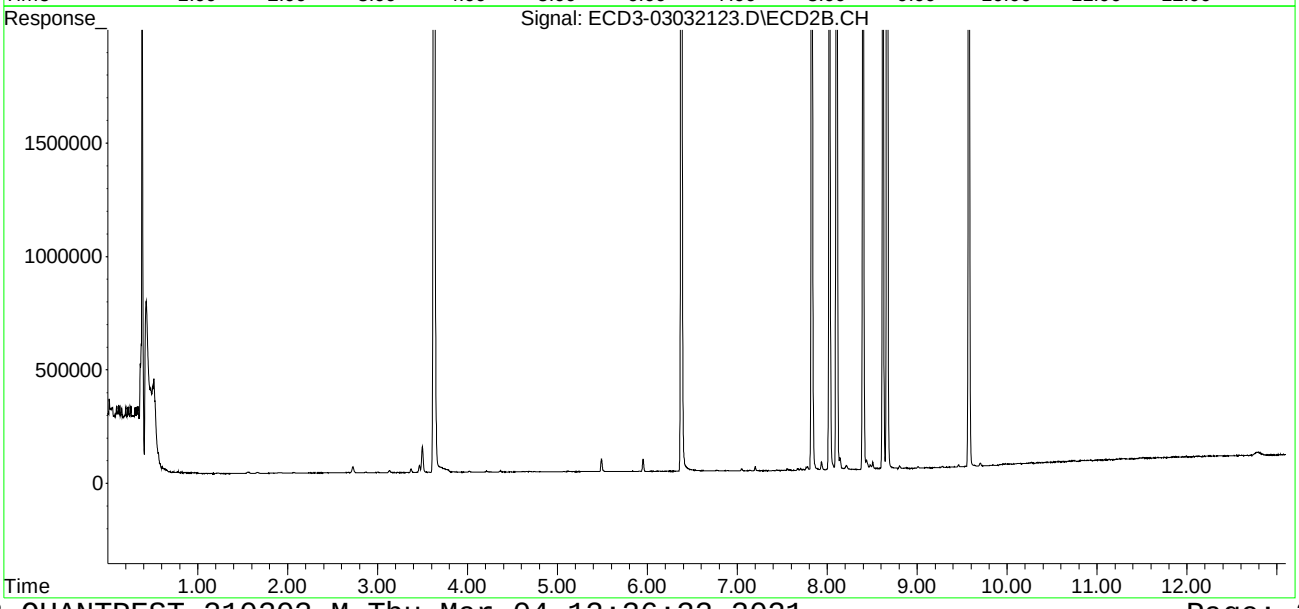
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:33
Operator : MJB
Sample : 1C03049-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:35:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:51
Operator : MJB
Sample : 1C03049-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.505f	5.952f	159700	100022	0.772	0.647	
22) S	DCBP (S)	0.000	10.431	0	5258	N.D.	2737.979	#
	Target Compounds							
2)	a-BHC	6.083	6.506	4196	5949	0.015	0.034	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.770	7.199	55648	34938	0.253	0.269	
6)	d-BHC	6.605	7.140	5871	3822	0.024	4083.455	#
7)	Aldrin	7.049f	7.490f	8901	5321	0.039	0.038	
8)	Heptachlo...	7.471	7.889	13335887	9354	69.642	2603.359	#
9)	trans-Chl...	7.574	8.025	39267	8532152	0.033	71.134	#
10)	cis-Chlor...	7.658	8.141	20483127	92525	104.677	0.571	#
11)	Endosulfa...	7.755	8.211	45698	29302	0.047	0.070	#
12)	4,4'-DDE	7.723	8.211f	24864	29302	BelowCal	0.065	
13)	Dieldrin	7.925f	8.398	97247	7466584	0.302	60.926	#
14)	Endrin	8.137	8.621	21558330	6917982	136.917	77.275	#
15)	4,4'-DDD	8.137	8.666	21558330	12425276	121.174	122.558	
16)	Endosulfa...	8.288	8.806f	6991	8088	BelowCal	BelowCal	
17)	4,4'-DDT	8.349	8.880	9240	6030	0.064	0.079	
18)	Endrin Al...	8.572	9.010	15514	11597	BelowCal	9483.680	
19)	Endosulfa...	8.855f	0.000	52384	0	0.055	N.D.	#
20)	Methoxychlor	8.654f	0.000	2660	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	9.577	0	7282009	N.D.	77.371	#
23)	Hexachlor...	3.330	3.627	22682154	15200252	95.668	98.883	
24)	Hexachlor...	5.920	6.379	20827185	12636479	98.542	98.280	
25)	Oxychlordane	7.405	7.831	17812438	10567064	93.433	91.270	
26)	2,4'-DDE	7.471	8.025	13335887	8532152	91.012	92.939	
27)	trans-Non...	7.658	8.105	20483127	11928363	93.251	92.387	
28)	2,4'-DDD	7.851	8.398	12619691	7466584	92.655	97.240	
29)	2,4'-DDT	8.032	8.621	12462876	6917982	109.429	108.999	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:51
Operator : MJB
Sample : 1C03049-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

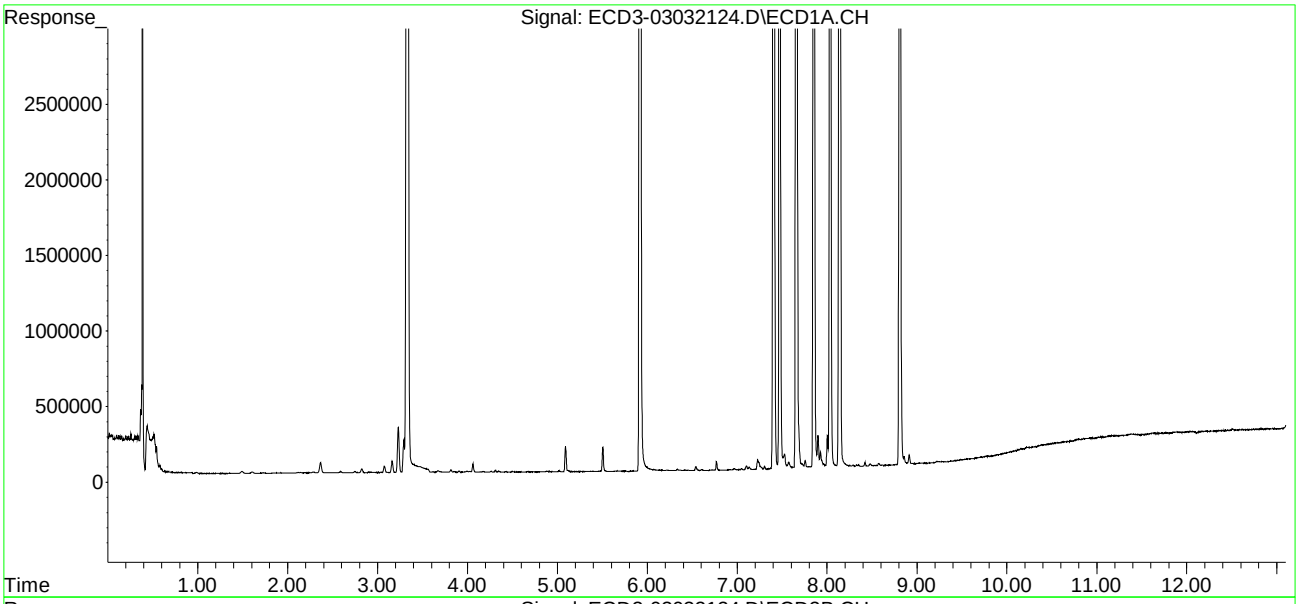
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	21558330	12425276	93.830	91.817	
31)	Mirex	8.808	9.577	12965794	7282009	99.089	99.027	
32)	Chlordane...	7.574	8.025	39267	8532152	1.610	544.992	#
33)	Chlordane...	7.658	8.141	20483127	92525	861.708	7.048	#
34)	Chlordane...	0.000	8.806	0	8088	N.D.	1.999	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.398f	20483127	7466584	20592.103	5740.780	#
37)	Toxaphene...	7.925f	0.000	97247	0	48.606	N.D.	#
38)	Toxaphene...	8.288	0.000	6991	0	1.775	N.D.	#
39)	Toxaphene...	8.527	8.806	3906	8088	0.934	2.251	#
40)	Toxaphene...	0.000	9.010	0	11597	N.D.	5.466	#
41)	Toxaphene...	8.808	0.000	12965794	0	3676.536	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

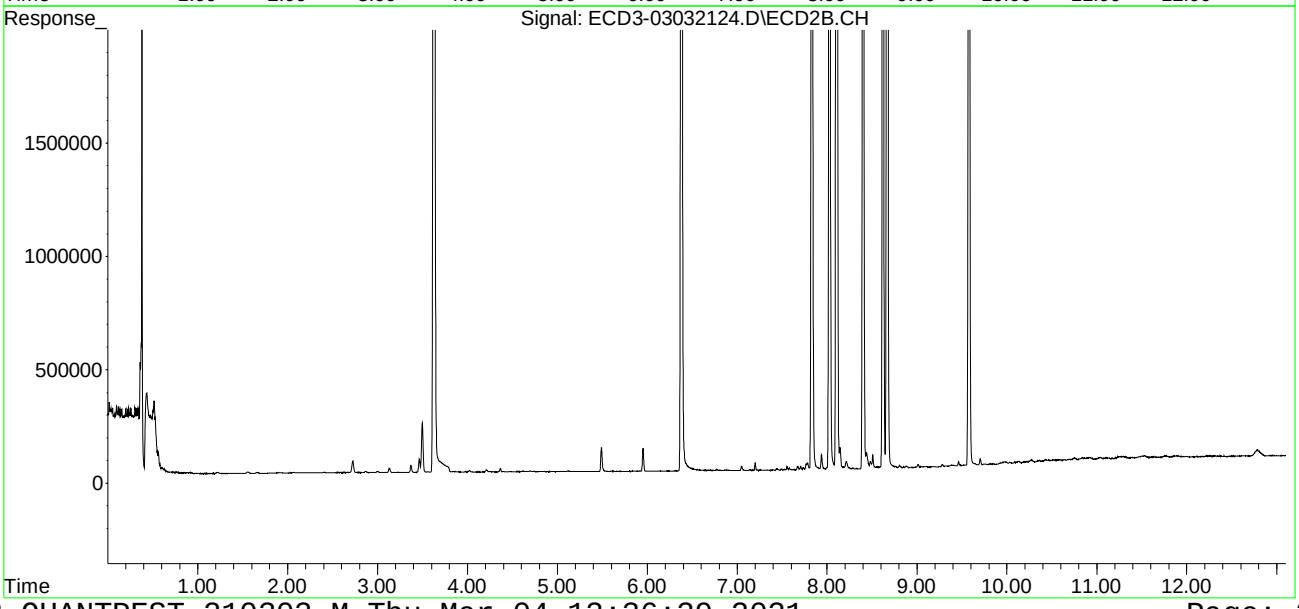
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:51
Operator : MJB
Sample : 1C03049-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:08
Operator : MJB
Sample : 1C03049-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.505f	5.952f	312352	188678	1.510	1.346	
22) S	DCBP (S)	9.759	10.429	7497	3817	7577.958	2737.999	#
	Target Compounds							
2)	a-BHC	6.084	6.507	11225	10664	0.041	0.061	#
3)	g-BHC	6.366	6.866f	5725	3994	0.024	0.026	
4)	b-BHC	6.454	6.892	7111	6605	14657.009	2615.888	#
5)	Heptachlor	6.770	7.199	103979	64615	0.473	0.497	
6)	d-BHC	6.604	7.140	10415	6718	0.043	4083.435	#
7)	Aldrin	7.049f	7.457	14632	4576	0.064	0.033	#
8)	Heptachlo...	7.471	7.896	27558127	16174	148.703	2603.302	#
9)	trans-Chl...	7.573	8.025	70716	16782099	0.187	142.326	#
10)	cis-Chlor...	7.658	8.140	42978567	180090	217.817	1.323	#
11)	Endosulfa...	7.754f	8.212	65424	47645	0.155	0.238	#
12)	4,4'-DDE	7.722	8.248	52314	20285	0.083	3509.454	#
13)	Dieldrin	7.961	8.397	44146	15498691	0.035	128.732	#
14)	Endrin	8.137	8.620	45501462	14312417	285.436	158.132	#
15)	4,4'-DDD	8.137	8.666	45501462	24948573	249.099	245.693	
16)	Endosulfa...	8.287	8.804f	20988	11613	BelowCal	BelowCal	
17)	4,4'-DDT	8.350	8.887	27032	14401	0.187	0.189	
18)	Endrin Al...	8.572	9.009	21972	25079	BelowCal	9483.509	
19)	Endosulfa...	8.855f	0.000	96509	0	0.349	N.D.	#
20)	Methoxychlor	8.654f	0.000	5541	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	9.577	0	14872728	N.D.	150.613	#
23)	Hexachlor...	3.332	3.628	45066161	28592053	190.078	204.323	
24)	Hexachlor...	5.920	6.378	42548202	24383267	202.794	204.693	
25)	Oxychlordane	7.404	7.830	35252462	21388659	184.912	184.739	
26)	2,4'-DDE	7.471	8.025	27558127	16782099	188.073	182.804	
27)	trans-Non...	7.658	8.106	42978567	23867612	195.664	184.858	
28)	2,4'-DDD	7.851	8.397	25688546	15498691	188.608	203.923	
29)	2,4'-DDT	8.032	8.620	26032892	14312417	228.580	225.505	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:08
Operator : MJB
Sample : 1C03049-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

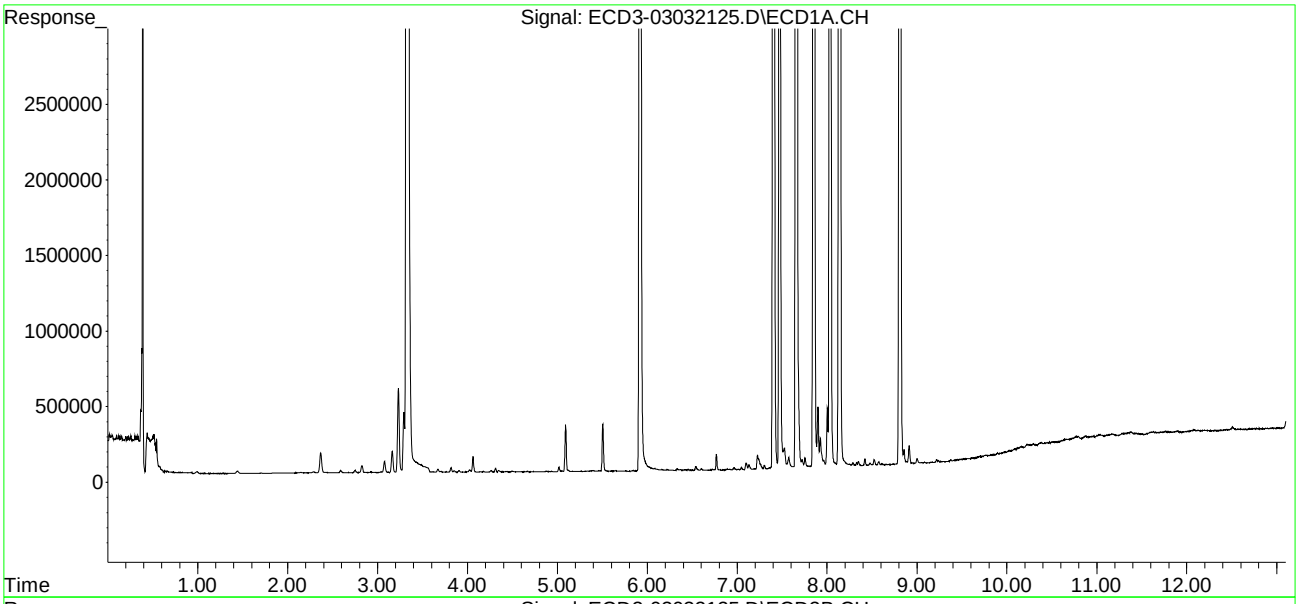
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	45501462	24948573	198.040	184.358	
31)	Mirex	8.808	9.577	26946171	14872728	202.249	201.861	
32)	Chlordane...	7.573	8.025	70716	16782099	2.899	1071.957	#
33)	Chlordane...	7.658	8.140	42978567	180090	1808.072	13.719	#
34)	Chlordane...	0.000	8.804	0	11613	N.D.	2.870	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.397f	42978567	15498691	43207.224	11916.370	#
37)	Toxaphene...	7.961	0.000	44146	0	22.065	N.D.	#
38)	Toxaphene...	8.287	0.000	20988	0	5.328	N.D.	#
39)	Toxaphene...	8.523	8.804	35927	11613	8.591	3.232	#
40)	Toxaphene...	0.000	9.009	0	25079	N.D.	11.820	#
41)	Toxaphene...	8.808	0.000	26946171	0	7640.764	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

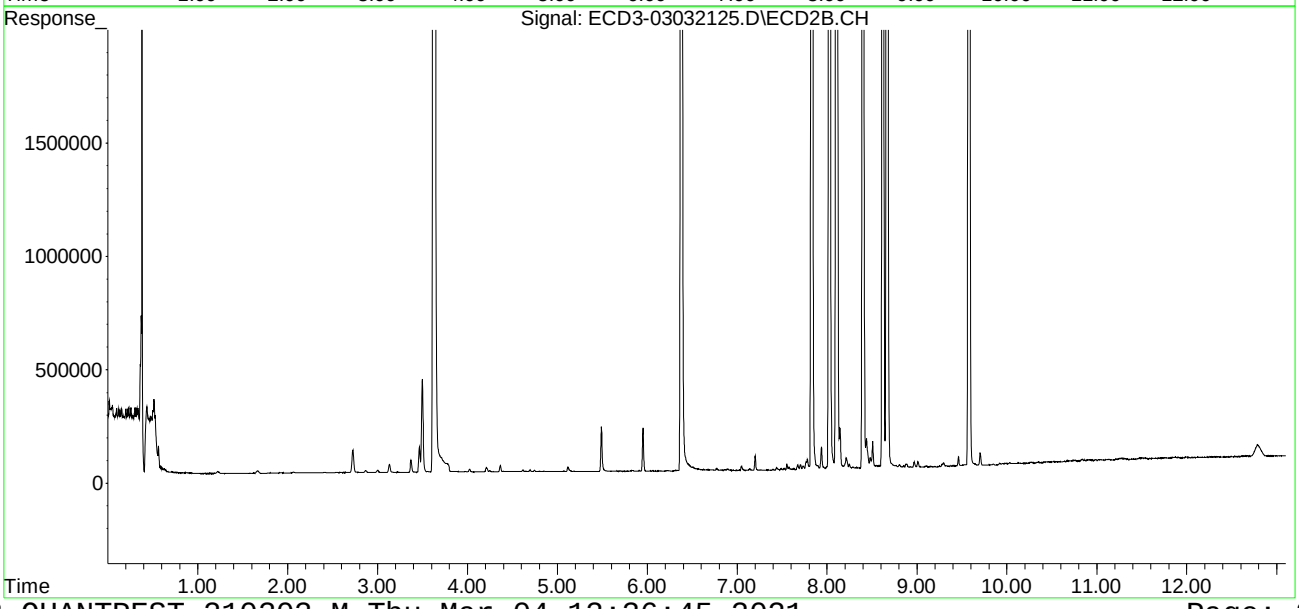
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:08
Operator : MJB
Sample : 1C03049-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:59
Operator : MJB
Sample : 1C03049-CALJ
Misc : A21C051, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.952f	0	7272	N.D.	1787.735	#
22)	S DCBP (S)	9.752	10.429	5578	7048	7577.973	2737.953	#
	Target Compounds							
2)	a-BHC	6.086	6.509	4808	3510	0.017	0.020	
3)	g-BHC	6.371	6.826	7336	5291	0.030	0.035	
4)	b-BHC	6.453	6.893	19901	14568	14656.883	2615.767	#
5)	Heptachlor	6.769	7.199	115080	72106	0.523	0.555	
6)	d-BHC	6.606	7.142	25102	15673	0.104	4083.372	#
7)	Aldrin	0.000	7.502f	0	10251	N.D.	0.073	#
8)	Heptachlo...	7.484	7.899	36327	10604	2648.789	2603.349	
9)	trans-Chl...	7.576	8.039	273638	175821	1.183	1.232	
10)	cis-Chlor...	7.671	8.146	274480	156159	1.153	1.117	
11)	Endosulfa...	7.777	8.197	20972	13003	4235.491	4263.064	
12)	4,4'-DDE	7.725	8.249	42092	25875	0.034	0.038	
13)	Dieldrin	7.952	8.396	29398	18966	BelowCal	4222.942	
14)	Endrin	8.137	8.619	48535	9651	0.134	BelowCal	#
15)	4,4'-DDD	8.155	8.665	47951	56411	0.068	0.354	#
16)	Endosulfa...	8.286	8.769	34291	22306	BelowCal	BelowCal	
17)	4,4'-DDT	8.351	8.887	21516	12335	0.148	0.162	
18)	Endrin Al...	8.579	9.004	33680	20089	BelowCal	9483.572	
19)	Endosulfa...	8.884	9.197	32795	18645	BelowCal	BelowCal	
20)	Methoxychlor	8.683	9.355	10775	5500	BelowCal	BelowCal	
21)	Endrin Ke...	9.083	9.587	39240	31215	BelowCal	BelowCal	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.435f	7.868f	56686	35672	0.297	0.308	
26)	2,4'-DDE	7.484	8.039	36327	175821	0.248	1.915	#
27)	trans-Non...	7.661	8.105	239983	127726	1.093	0.989	
28)	2,4'-DDD	7.853	8.396	7053	18966	0.052	0.031	#
29)	2,4'-DDT	8.007f	8.619	13339	9651	0.117	0.152	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:59
Operator : MJB
Sample : 1C03049-CALJ
Misc : A21C051, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

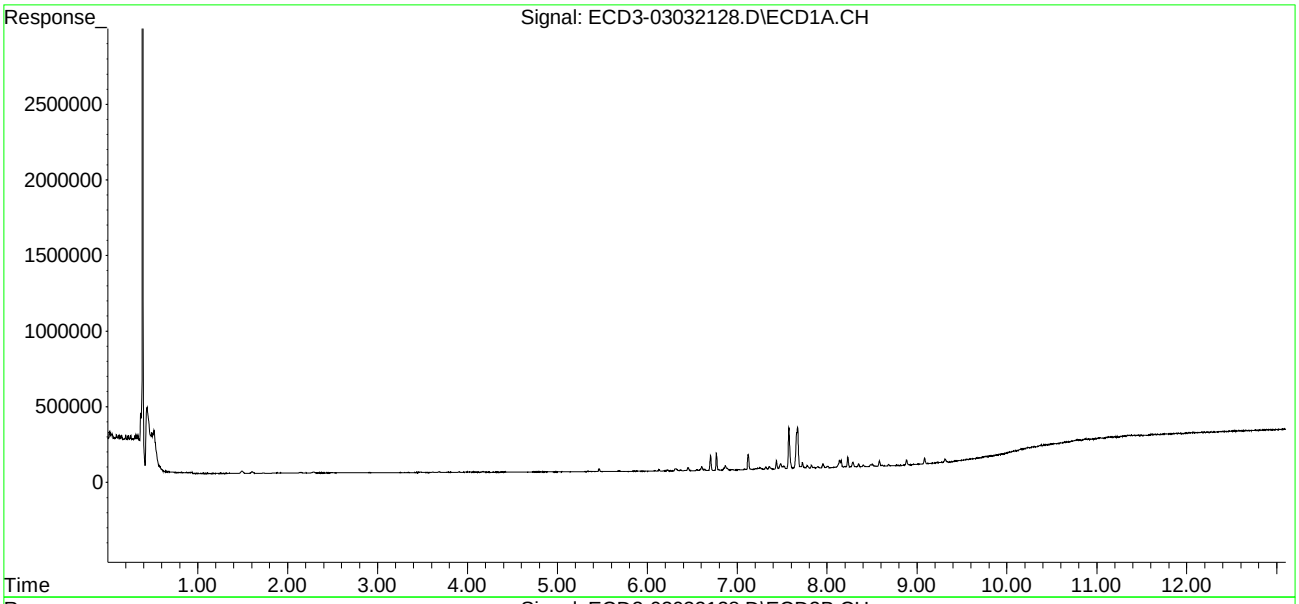
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.665	48535	56411	0.211	0.417	#
31)	Mirex	0.000	9.587	0	31215	N.D.	0.114	#
32)	Chlordane...	7.576	8.039	273638	175821	11.219	11.231	
33)	Chlordane...	7.671	8.146	274480	156159	11.547	11.896	
34)	Chlordane...	8.228	8.804	68307	44831	9.803	11.078	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.661	8.396f	239983	18966	241.260	14.582	#
37)	Toxaphene...	7.952	8.720	29398	5534	14.693	3.767	#
38)	Toxaphene...	8.286	8.769	34291	22306	8.705	7.151	
39)	Toxaphene...	8.502	8.804	13100	44831	3.132	12.478	#
40)	Toxaphene...	0.000	9.004	0	20089	N.D.	9.468	#
41)	Toxaphene...	0.000	9.355	0	5500	N.D.	2.584	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

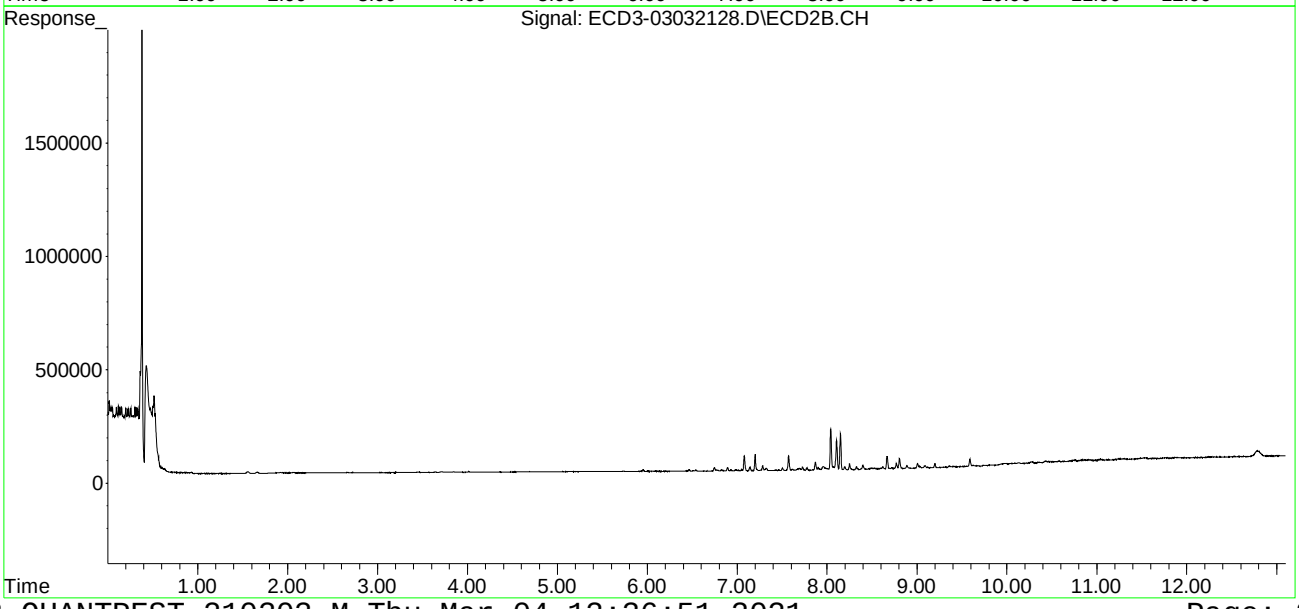
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:59
Operator : MJB
Sample : 1C03049-CALJ
Misc : A21C051, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:17
Operator : MJB
Sample : 1C03049-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	5.953f	0	39637	N.D.	0.171	#
22) S	DCBP (S)	9.749	10.434	4215	924	7577.983	2738.040	#
	Target Compounds							
2)	a-BHC	0.000	6.541f	0	22355	N.D.	0.128	#
3)	g-BHC	0.000	6.838	0	8064	N.D.	0.053	#
4)	b-BHC	6.463	6.930f	15291	28513	14656.929	0.101	#
5)	Heptachlor	6.770	7.200	539511	332110	2.452	2.557	
6)	d-BHC	6.616	0.000	15700	0	0.065	N.D.	#
7)	Aldrin	7.026	7.427f	5305	13312	0.023	0.095	#
8)	Heptachlo...	7.487	7.918	91498	19707	0.256	2603.273	#
9)	trans-Chl...	7.575	8.039	1210468	785679	5.782	6.263	
10)	cis-Chlor...	7.671	8.147	1191968	651951	5.893	5.378	
11)	Endosulfa...	7.791	0.000	33142	0	4235.424	N.D.	#
12)	4,4'-DDE	7.734	8.246	37688	20052	0.012	3509.455	#
13)	Dieldrin	7.962	8.398	43985	29960	0.034	0.087	#
14)	Endrin	8.137	8.619	218579	16279	1.229	0.017	#
15)	4,4'-DDD	8.137	8.666	218579	144298	1.054	1.225	
16)	Endosulfa...	8.277	8.757	26059	13984	BelowCal	BelowCal	
17)	4,4'-DDT	8.372f	8.879	11297	12206	0.078	0.160	#
18)	Endrin Al...	8.585	9.005	7790	6937	BelowCal	9483.740	
19)	Endosulfa...	8.880	0.000	16751	0	BelowCal	N.D.	
20)	Methoxychlor	8.688	0.000	5631	0	BelowCal	N.D.	
21)	Endrin Ke...	9.083	9.589	6879	8537	BelowCal	BelowCal	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.435f	7.813	259048	8488	1.359	0.073	#
26)	2,4'-DDE	7.477	8.039	81863	785679	0.559	8.558	#
27)	trans-Non...	7.660	8.105	1085778	591099	4.943	4.578	
28)	2,4'-DDD	7.852	8.398	33821	29960	0.248	0.173	
29)	2,4'-DDT	8.007f	8.619	72121	16279	0.633	0.256	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:17
Operator : MJB
Sample : 1C03049-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

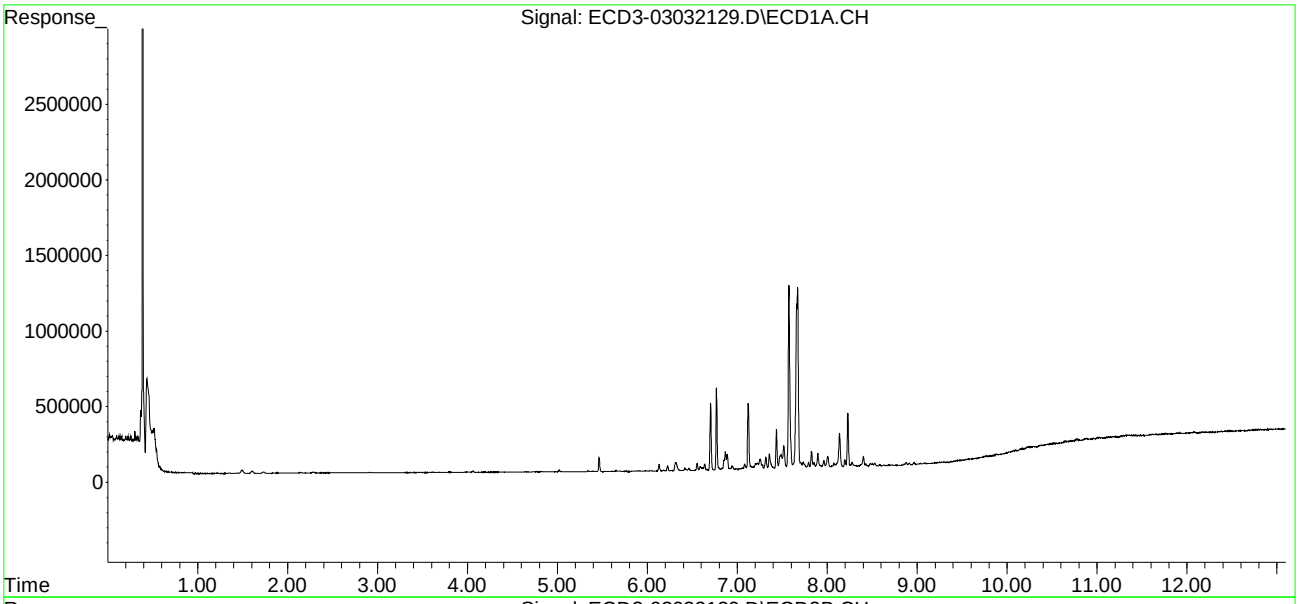
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.666	218579	144298	0.951	1.066	
31)	Mirex	0.000	9.589	0	8537	N.D.	BelowCal	
32)	Chlordane...	7.575	8.039	1210468	785679	49.628	50.185	
33)	Chlordane...	7.671	8.147	1191968	651951	50.145	49.663	
34)	Chlordane...	8.228	8.803	353590	200550	50.744	49.556	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.660	8.380	1085778	18812	1091.555	14.464	#
37)	Toxaphene...	7.962	8.720	43985	22729	21.984	15.473	
38)	Toxaphene...	8.277	8.757	26059	13984	6.615	3.026	#
39)	Toxaphene...	8.502	8.803f	16396	200550	3.920	55.822	#
40)	Toxaphene...	8.718f	9.005	5773	6937	1.916	3.269	#
41)	Toxaphene...	0.000	9.413f	0	2868	N.D.	1.348	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

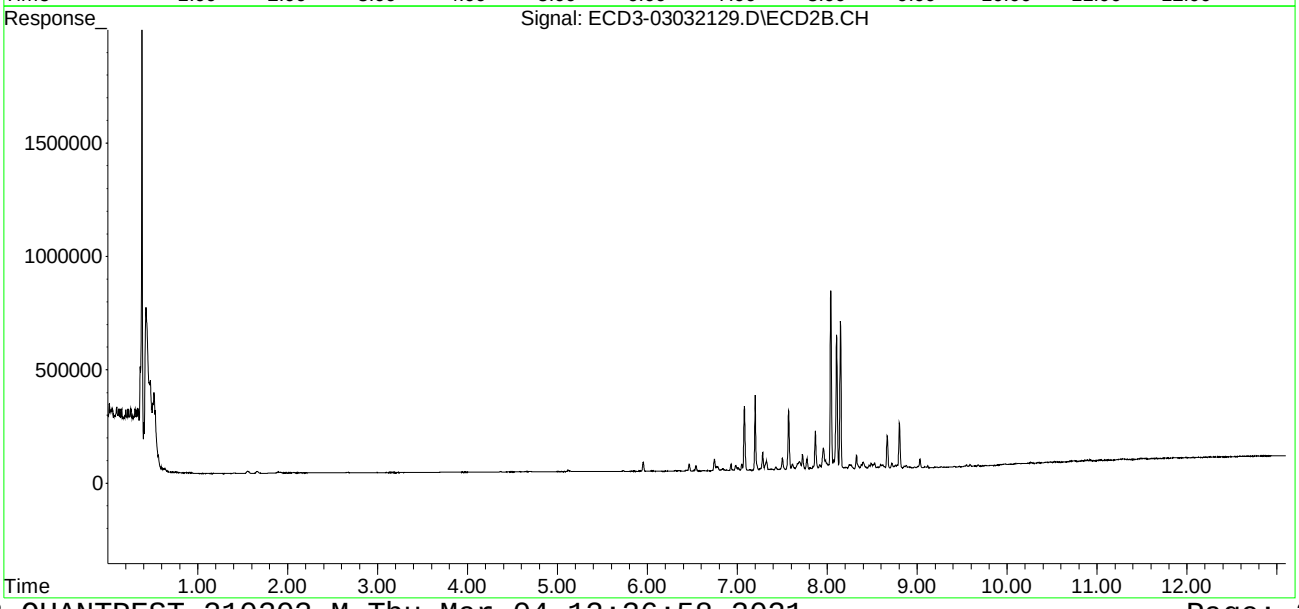
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:17
Operator : MJB
Sample : 1C03049-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:36:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:34
Operator : MJB
Sample : 1C03049-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.952f	0	76263	N.D.	0.459	#
22)	S	DCBP (S)	9.768	10.427	6095	4127	7577.969	2737.995	#
		Target Compounds							
2)		a-BHC	0.000	6.541f	0	42014	N.D.	0.240	#
3)		g-BHC	6.379	6.838	3751	12878	0.015	0.085	#
4)		b-BHC	6.462	6.929f	28031	51948	14656.803	0.457	#
5)		Heptachlor	6.768	7.199	988700	602763	4.494	4.641	
6)		d-BHC	6.615	7.138	29423	4102	0.122	4083.453	#
7)		Aldrin	7.025	7.500f	11578	91556	0.051	0.653	#
8)		Heptachlo...	7.485	7.916	163943	38337	0.625	0.124	#
9)		trans-Chl...	7.574	8.038	2307545	1499755	11.168	12.167	
10)		cis-Chlor...	7.670	8.145	2237113	1247247	11.288	10.510	
11)		Endosulfa...	7.790	8.211	59735	16715	0.124	4263.030	#
12)		4,4'-DDE	7.733	8.244	59455	35925	0.118	0.118	
13)		Dieldrin	7.961	8.398	77692	67514	0.204	0.390	#
14)		Endrin	8.136	8.619	398459	29562	2.386	0.167	#
15)		4,4'-DDD	8.136	8.665	398459	255330	2.094	2.324	
16)		Endosulfa...	8.275	8.757	42650	26744	0.012	0.037	#
17)		4,4'-DDT	8.319f	8.877	12403	22501	0.086	0.295	#
18)		Endrin Al...	8.588	9.031f	11724	69742	BelowCal	9482.940	
19)		Endosulfa...	8.877	9.219f	25053	5719	BelowCal	BelowCal	
20)		Methoxychlor	8.687	0.000	7465	0	BelowCal	N.D.	
21)		Endrin Ke...	0.000	9.587	0	10282	N.D.	BelowCal	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.903	6.349f	6517	5014	16176.058	1560.522	#
25)		Oxychlordane	7.400	7.844	16128	24276	0.085	0.210	#
26)		2,4'-DDE	7.485	8.038	163943	1499755	1.119	16.337	#
27)		trans-Non...	7.659	8.104	2045097	1091577	9.310	8.454	
28)		2,4'-DDD	7.853	8.398	60927	67514	0.447	0.659	#
29)		2,4'-DDT	8.047	8.619	13350	29562	0.117	0.466	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:34
Operator : MJB
Sample : 1C03049-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

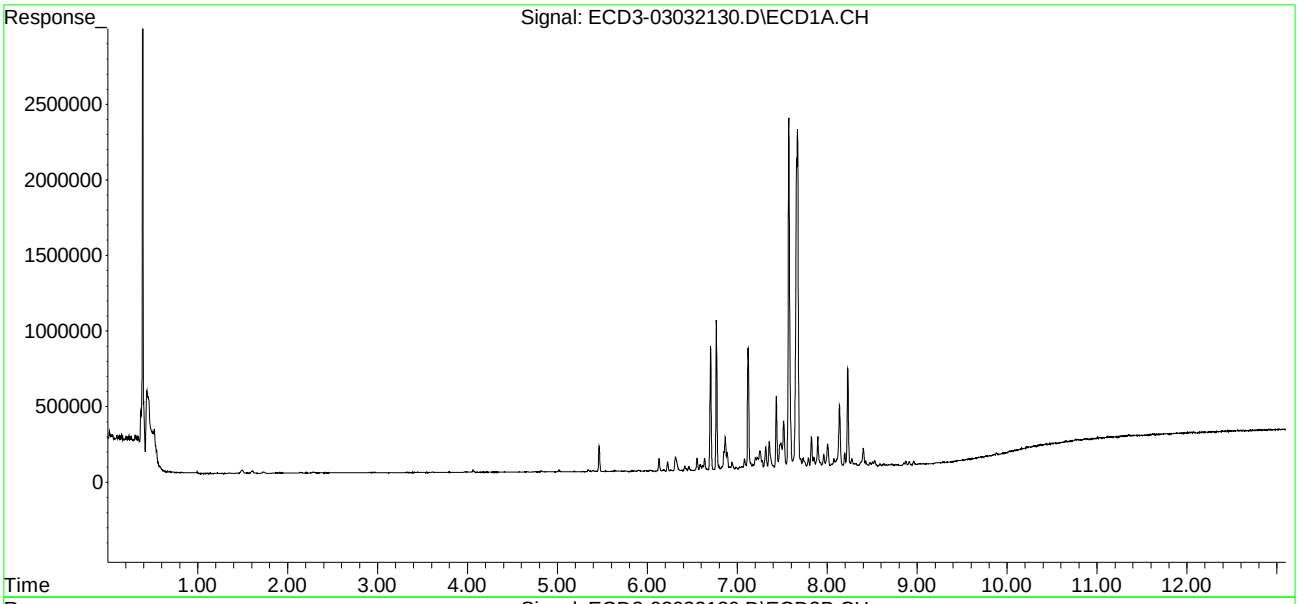
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.136	8.665	398459	255330	1.734	1.887	
31)	Mirex	8.775f	9.587	2951	10282	BelowCal	BelowCal	
32)	Chlordane...	7.574	8.038	2307545	1499755	94.607	95.797	
33)	Chlordane...	7.670	8.145	2237113	1247247	94.113	95.011	
34)	Chlordane...	8.228	8.803	639001	367050	91.704	90.698	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.659	8.379	2045097	35903	2055.978	27.605	#
37)	Toxaphene...	7.961	8.720	77692	43098	38.832	29.341	
38)	Toxaphene...	8.275	8.757	42650	26744	10.826	9.350	
39)	Toxaphene...	8.501	8.803f	24546	367050	5.869	102.166	#
40)	Toxaphene...	8.717f	9.031f	10188	69742	3.381	32.870	#
41)	Toxaphene...	8.775f	9.412f	2951	6721	0.837	3.158	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

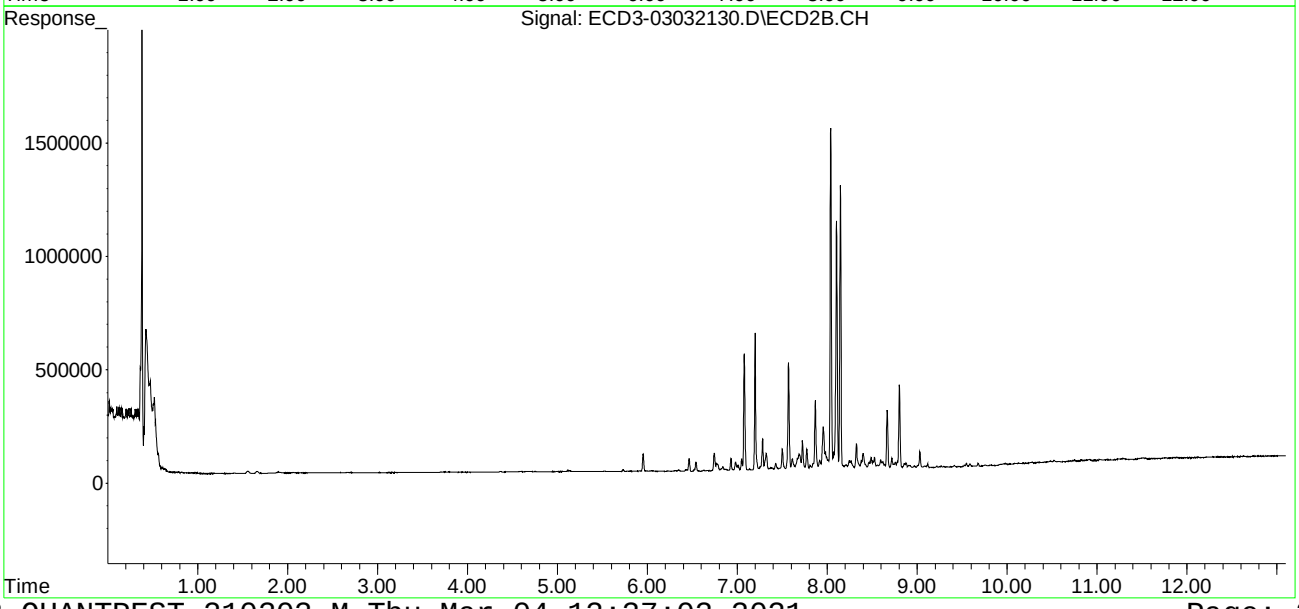
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:34
Operator : MJB
Sample : 1C03049-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:51
Operator : MJB
Sample : 1C03049-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	5.953f	0	153458	N.D.	1.068	#
22) S	DCBP (S)	9.768	0.000	8177	0	7577.953	N.D.	#
	Target Compounds							
2)	a-BHC	6.106	6.541f	5859	71372	0.021	0.408	#
3)	g-BHC	6.380	6.837	5648	37202	0.023	0.246	#
4)	b-BHC	6.461	6.929f	58372	112395	0.232	1.375	#
5)	Heptachlor	6.769	7.199	2123994	1283422	9.653	9.881	
6)	d-BHC	6.616	7.140	64974	10528	0.270	4083.408	#
7)	Aldrin	7.024	7.474	27961	15279	0.123	0.109	
8)	Heptachlo...	7.485	7.917	336880	79591	1.508	0.469	#
9)	trans-Chl...	7.574	8.039	4704468	3068310	22.942	25.189	
10)	cis-Chlor...	7.670	8.146	4543767	2567074	23.177	21.949	
11)	Endosulfa...	7.790	8.211	133647	39000	0.531	0.159	#
12)	4,4'-DDE	7.733	8.245	137843	76066	0.498	0.435	
13)	Dieldrin	7.961	8.398	164833	181982	0.642	1.313	#
14)	Endrin	8.136	8.619	878748	88643	5.476	0.836	#
15)	4,4'-DDD	8.136	8.666	878748	539277	4.866	5.136	
16)	Endosulfa...	8.276	8.757	101015	59022	0.389	0.374	
17)	4,4'-DDT	8.319f	8.878	43632	47974	0.301	0.629	#
18)	Endrin Al...	8.588	9.032f	22287	145558	BelowCal	0.917	
19)	Endosulfa...	8.876	9.219f	55406	11238	0.075	BelowCal	#
20)	Methoxychlor	8.689	9.331f	18391	3540	0.047	BelowCal	#
21)	Endrin Ke...	9.063	9.578	7082	45107	BelowCal	BelowCal	
23)	Hexachlor...	3.329	3.627	64825	47130	0.273	0.166	
24)	Hexachlor...	5.918	6.377	47435	31153	0.065	0.071	
25)	Oxychlordane	7.403	7.829	109446	64381	0.574	0.556	
26)	2,4'-DDE	7.474	8.039	340953	3068310	2.327	33.423	#
27)	trans-Non...	7.670	8.105	4543767	2262285	20.686	17.522	
28)	2,4'-DDD	7.852	8.398	179610	181982	1.319	2.141	#
29)	2,4'-DDT	8.031	8.619	72351	88643	0.635	1.397	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:51
Operator : MJB
Sample : 1C03049-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

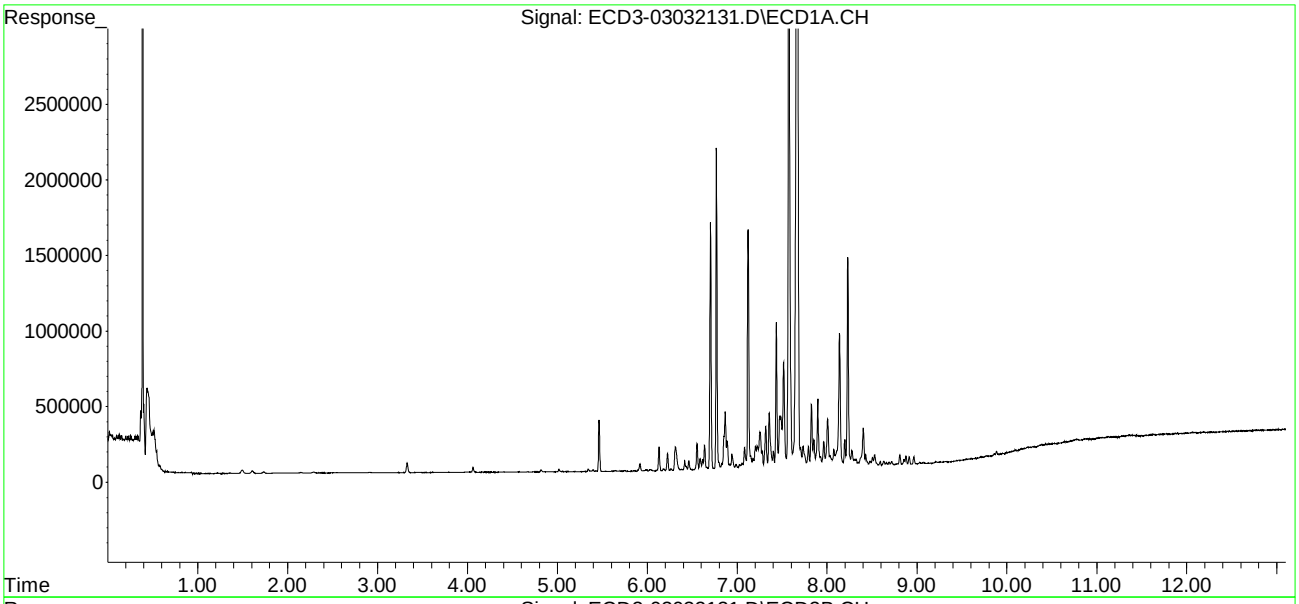
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.136	8.666	878748	539277	3.825	3.985	
31)	Mirex	8.808	9.578	63650	45107	0.127	0.304	#
32)	Chlordane...	7.574	8.039	4704468	3068310	192.879	195.988	
33)	Chlordane...	7.670	8.146	4543767	2567074	191.152	195.551	
34)	Chlordane...	8.228	8.803	1379262	789175	197.940	195.005	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.670	8.379	4543767	75465	4567.941	58.022	#
37)	Toxaphene...	7.961	8.720	164833	88000	82.386	59.909	
38)	Toxaphene...	8.276	8.757	101015	59022	25.642	25.329	
39)	Toxaphene...	8.503	8.803f	53248	789175	12.733	219.662	#
40)	Toxaphene...	8.717f	9.032f	21398	145558	7.101	68.601	#
41)	Toxaphene...	8.808	9.414f	63650	11557	18.048	5.430	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

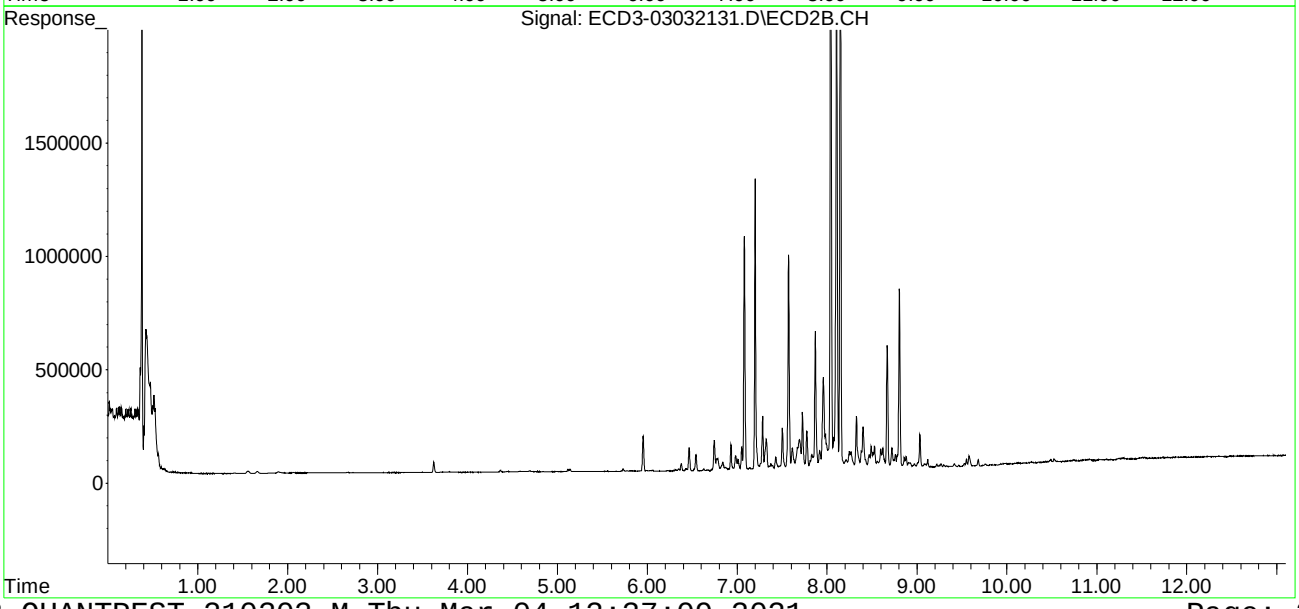
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:51
Operator : MJB
Sample : 1C03049-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:08
Operator : MJB
Sample : 1C03049-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.953f	0	406527	N.D.	3.067	#
22)	S	DCBP (S)	9.738	10.432	3988	4926	7577.985	2737.983	#
		Target Compounds							
2)		a-BHC	6.108f	6.541f	14807	168467	0.054	0.962	#
3)		g-BHC	6.382	6.838	17091	94145	0.070	0.622	#
4)		b-BHC	6.463	6.873	153737	32639	1.169	0.164	#
5)		Heptachlor	6.771	7.199	5589496	3393274	25.404	26.125	
6)		d-BHC	6.617	7.139	172252	26032	0.716	0.010	#
7)		Aldrin	7.026	7.474	80220	38903	0.352	0.278	
8)		Heptachlo...	7.487	7.917	828994	194055	4.023	1.428	#
9)		trans-Chl...	7.575	8.039	12070866	7951271	59.165	66.205	
10)		cis-Chlor...	7.671	8.146	11910060	6598261	60.983	57.425	
11)		Endosulfa...	7.791	8.211	340442	110367	1.672	0.810	#
12)		4,4'-DDE	7.734	8.245	354018	192510	1.546	1.356	
13)		Dieldrin	7.962	8.398	415055	470963	1.900	3.646	#
14)		Endrin	8.138	8.618	2106848	161821	13.367	1.665	#
15)		4,4'-DDD	8.138	8.666	2106848	1334820	11.940	13.012	
16)		Endosulfa...	8.277	8.756	271740	156169	1.493	1.391	
17)		4,4'-DDT	8.345	8.878	62823	127273	0.434	1.669	#
18)		Endrin Al...	8.590	9.031f	67860	374055	BelowCal	3.826	
19)		Endosulfa...	8.878	9.219f	142676	31672	0.658	0.078	#
20)		Methoxychlor	8.689	9.328f	59925	9217	0.647	0.059	#
21)		Endrin Ke...	9.089	9.590	9566	61355	BelowCal	0.051	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.903	6.349f	24419	20119	16175.974	1560.411	#
25)		Oxychlordane	7.435f	7.812	2443087	90335	12.815	0.780	#
26)		2,4'-DDE	7.487	8.039	828994	7951271	5.658	86.612	#
27)		trans-Non...	7.671	8.105	11910060	5731164	54.222	44.389	
28)		2,4'-DDD	7.854	8.398	364791	470963	2.678	5.885	#
29)		2,4'-DDT	8.049	8.618	128370	161821	1.127	2.550	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:08
Operator : MJB
Sample : 1C03049-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

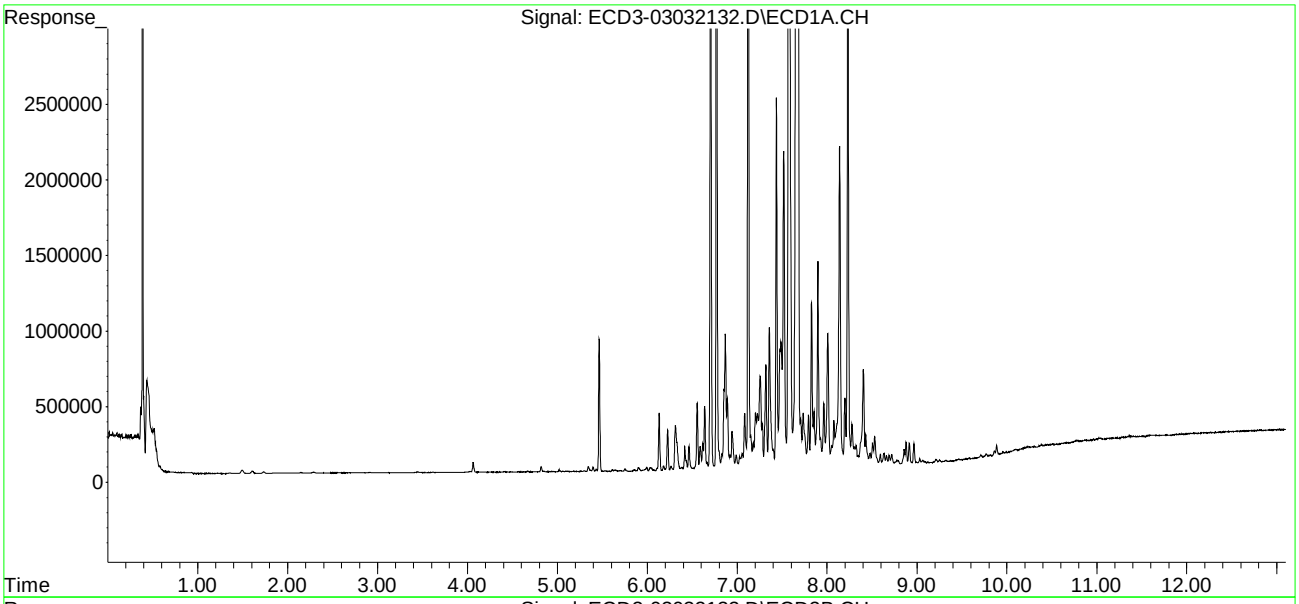
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.138	8.666	2106848	1334820	9.170	9.864	
31)	Mirex	8.777f	9.590	24602	61355	BelowCal	0.527	
32)	Chlordane...	7.575	8.039	12070866	7951271	494.894	507.888	
33)	Chlordane...	7.671	8.146	11910060	6598261	501.046	502.633	
34)	Chlordane...	8.229	8.803	3665652	2111482	526.063	521.748	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.671	8.380	11910060	191752	11973.424	147.431	#
37)	Toxaphene...	7.962	8.720	415055	223487	207.451	152.147	
38)	Toxaphene...	8.277	8.756	271740	156169	68.980	73.288	
39)	Toxaphene...	8.504	8.803f	143911	2111482	34.411	587.719	#
40)	Toxaphene...	8.718f	9.031f	63312	374055	21.012	176.293	#
41)	Toxaphene...	8.777f	9.413f	24602	30869	6.976	14.505	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

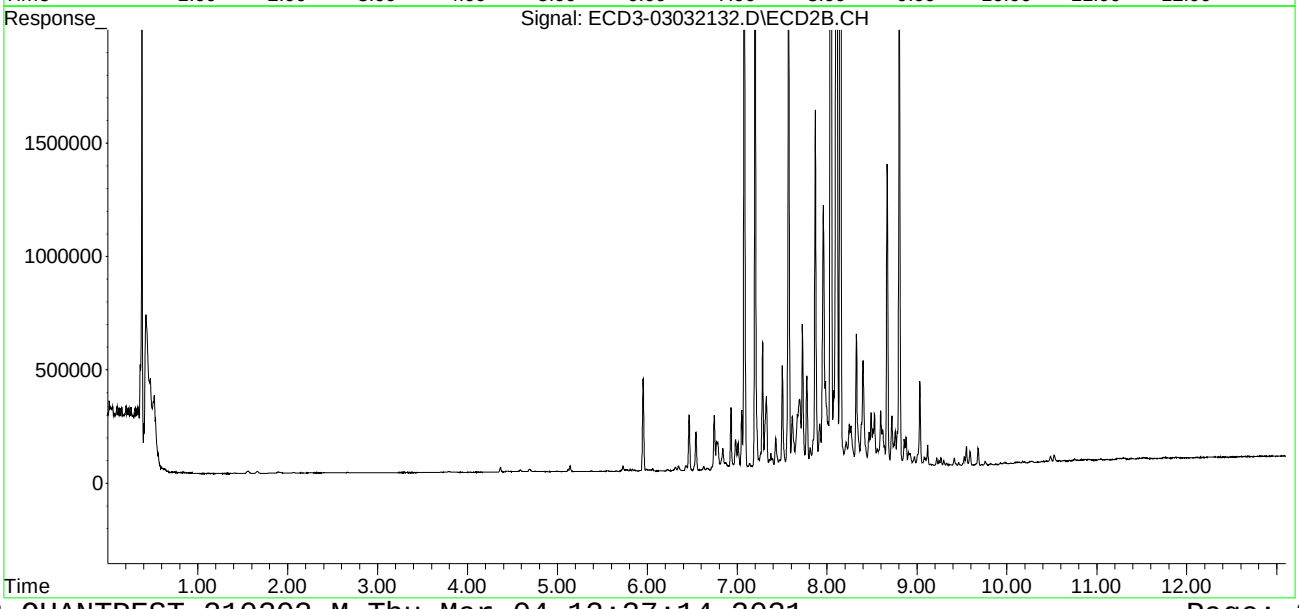
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:08
Operator : MJB
Sample : 1C03049-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:25
Operator : MJB
Sample : 1C03049-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.533	5.925	9930	6001	0.048	1787.745	#
22) S	DCBP (S)	9.738	10.449	16826	4859	7577.886	2737.984	#
	Target Compounds							
2)	a-BHC	6.108f	6.541f	29504	317376	0.107	1.813	#
3)	g-BHC	6.383	6.838	31144	177208	0.128	1.170	#
4)	b-BHC	6.463	6.870f	291339	61382	2.523	0.600	#
5)	Heptachlor	6.771	7.199	10825436	6449395	49.201	49.654	
6)	d-BHC	6.618	7.138	320840	52255	1.334	0.195	#
7)	Aldrin	7.026	7.472	158631	77336	0.697	0.552	
8)	Heptachlo...	7.487	7.917	1582877	374825	7.886	2.943	#
9)	trans-Chl...	7.576	8.038	24708857	15376491	121.455	130.035	
10)	cis-Chlor...	7.671	8.146	22961884	12697541	117.250	112.750	
11)	Endosulfa...	7.791	8.211	663382	229184	3.454	1.895	#
12)	4,4'-DDE	7.734	8.245	671761	376520	3.087	2.813	
13)	Dieldrin	7.962	8.398	797069	1032917	3.820	8.189	#
14)	Endrin	8.138	8.617	4196365	318369	26.769	3.436	#
15)	4,4'-DDD	8.138	8.666	4196365	2637665	23.925	25.906	
16)	Endosulfa...	8.277	8.756	522462	314322	3.113	3.045	
17)	4,4'-DDT	8.346	8.878	127966	248842	0.883	3.263	#
18)	Endrin Al...	8.590	9.031f	135174	741005	0.046	8.501	#
19)	Endosulfa...	8.878	9.220f	272993	71331	1.528	0.552	#
20)	Methoxychlor	8.690	9.329f	125206	30146	1.588	0.630	#
21)	Endrin Ke...	9.088	9.590	18894	121945	BelowCal	0.739	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.904	6.348f	42447	37931	0.042	0.121	#
25)	Oxychlordane	7.435f	7.811	4818941	177814	25.277	1.536	#
26)	2,4'-DDE	7.487	8.038	1582877	15376491	10.802	167.493	#
27)	trans-Non...	7.671	8.105	22961884	11317928	104.536	87.659	
28)	2,4'-DDD	7.853	8.398	697867	1032917	5.124	13.171	#
29)	2,4'-DDT	8.008f	8.617	1790004	318369	15.717	5.016	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:25
Operator : MJB
Sample : 1C03049-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

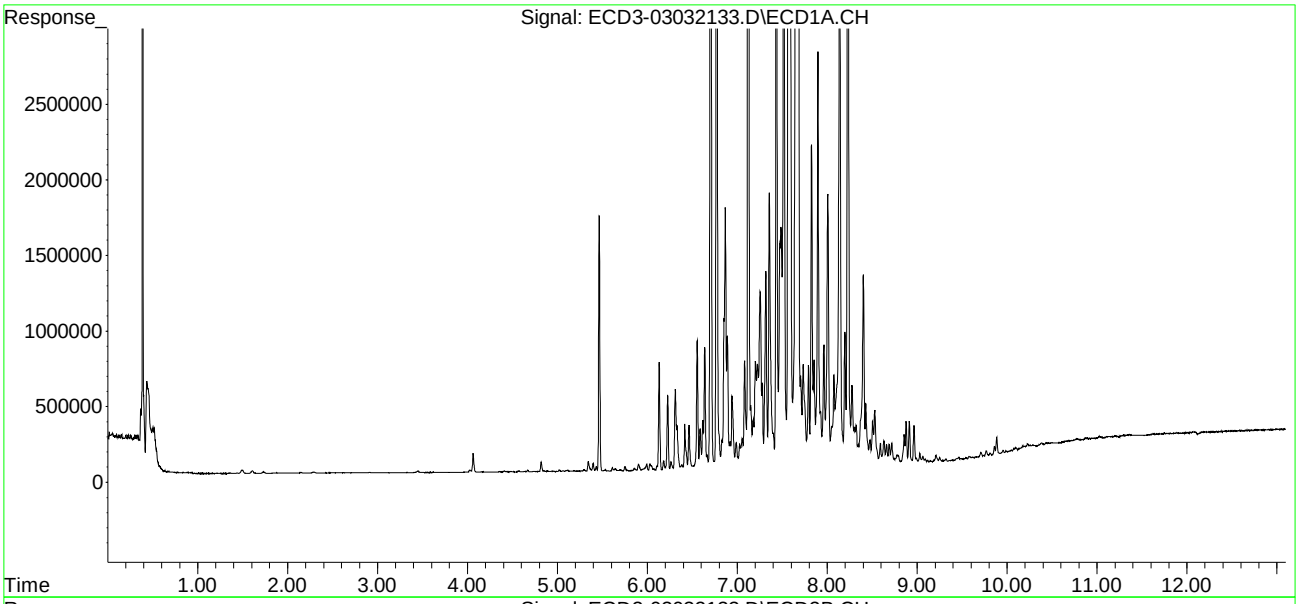
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.138	8.666	4196365	2637665	18.264	19.491	
31)	Mirex	8.793	9.590	49042	121945	0.013	1.356	#
32)	Chlordane...	7.576	8.038	24708857	15376491	1013.039	982.174	
33)	Chlordane...	7.671	8.146	22961884	12697541	965.987	967.255	
34)	Chlordane...	8.229	8.803	7261164	4065896	1042.060	1004.684	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.671	8.398f	22961884	1032917	23084.047	794.171	#
37)	Toxaphene...	7.962	8.720	797069	439647	398.387	299.306	
38)	Toxaphene...	8.277	8.756	522462	314322	132.625	150.935	
39)	Toxaphene...	8.504	8.803f	281666	4065896	67.351	1131.718	#
40)	Toxaphene...	8.718f	9.031f	132764	741005	44.061	349.236	#
41)	Toxaphene...	8.793f	9.414f	49042	64043	13.906	30.093	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

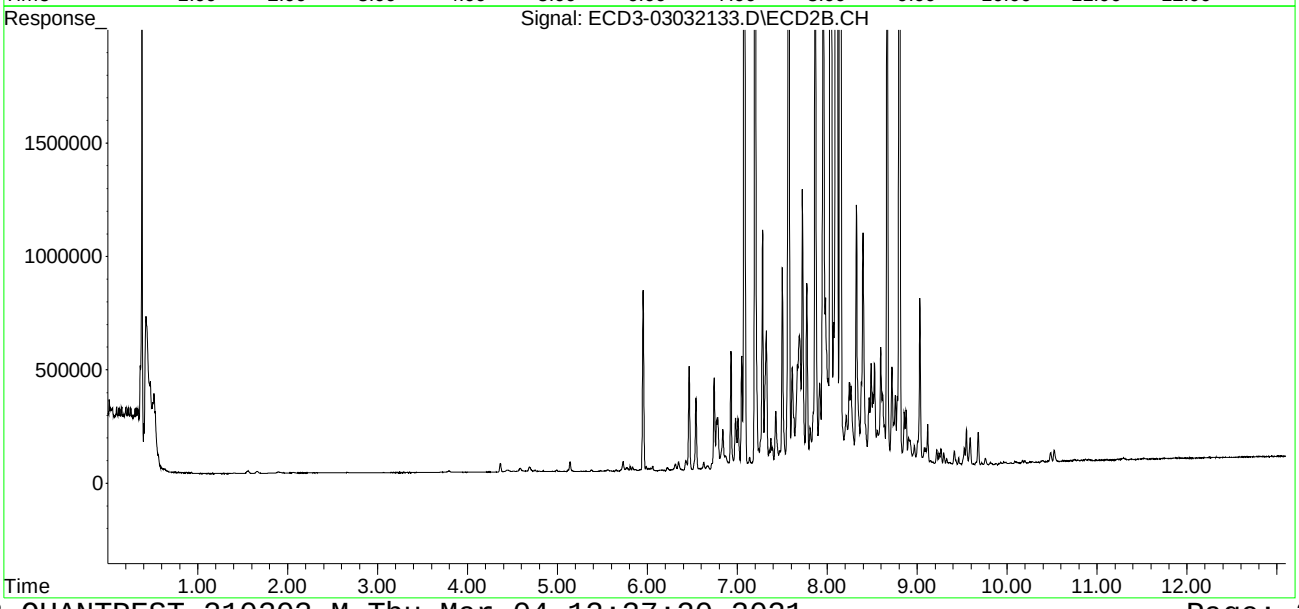
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:25
Operator : MJB
Sample : 1C03049-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:42
Operator : MJB
Sample : 1C03049-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:39 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.533	5.920	17495	11504	0.085	1787.702	#
22)	S DCBP (S)	9.737	10.448	20391	9447	7577.859	2737.919	#
	Target Compounds							
2)	a-BHC	6.075	6.541f	21360	582488	0.077	3.328	#
3)	g-BHC	6.382	6.837	63319	319412	0.260	2.110	#
4)	b-BHC	6.463	6.928f	542536	972220	4.993	14.509	#
5)	Heptachlor	6.770	7.198	20082716	12187560	91.275	93.831	
6)	d-BHC	6.617	7.138	579520	97548	2.409	0.515	#
7)	Aldrin	7.025	7.471	306629	151249	1.347	1.079	
8)	Heptachlo...	7.486	7.916	3051094	730171	15.442	5.926	#
9)	trans-Chl...	7.575	8.038	47428298	29350323	233.896	255.455	
10)	cis-Chlor...	7.671	8.146	46466698	24070019	235.169	221.993	
11)	Endosulfa...	7.790	8.210	1285220	437973	6.890	3.803	#
12)	4,4'-DDE	7.734	8.243	1292110	733039	6.093	5.639	
13)	Dieldrin	7.961	8.396	1530455	2103370	7.504	16.872	#
14)	Endrin	8.137	8.617	8277377	616488	52.853	6.807	#
15)	4,4'-DDD	8.137	8.665	8277377	5035021	47.153	49.614	
16)	Endosulfa...	8.276	8.755	1024644	613488	6.356	6.175	
17)	4,4'-DDT	8.345	8.877	242469	494282	1.673	6.482	#
18)	Endrin Al...	8.590	9.031f	257483	1404514	0.949	16.967	#
19)	Endosulfa...	8.877	9.174f	500119	40813	3.044	0.187	#
20)	Methoxychlor	8.689	9.353	242366	33405	3.275	0.719	#
21)	Endrin Ke...	9.086	9.590	35985	228215	BelowCal	1.942	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.903	6.348f	90565	70660	0.268	0.360	
25)	Oxychlordane	7.399	7.810f	416816	333633	2.186	2.882	
26)	2,4'-DDE	7.486	8.038	3051094	29350323	20.822	319.707	#
27)	trans-Non...	7.671	8.105	46466698	21437400	211.544	166.036	
28)	2,4'-DDD	7.852	8.396	1345921	2103370	9.882	27.076	#
29)	2,4'-DDT	8.007f	8.617	3581466	616488	31.447	9.713	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:42
Operator : MJB
Sample : 1C03049-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:39 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

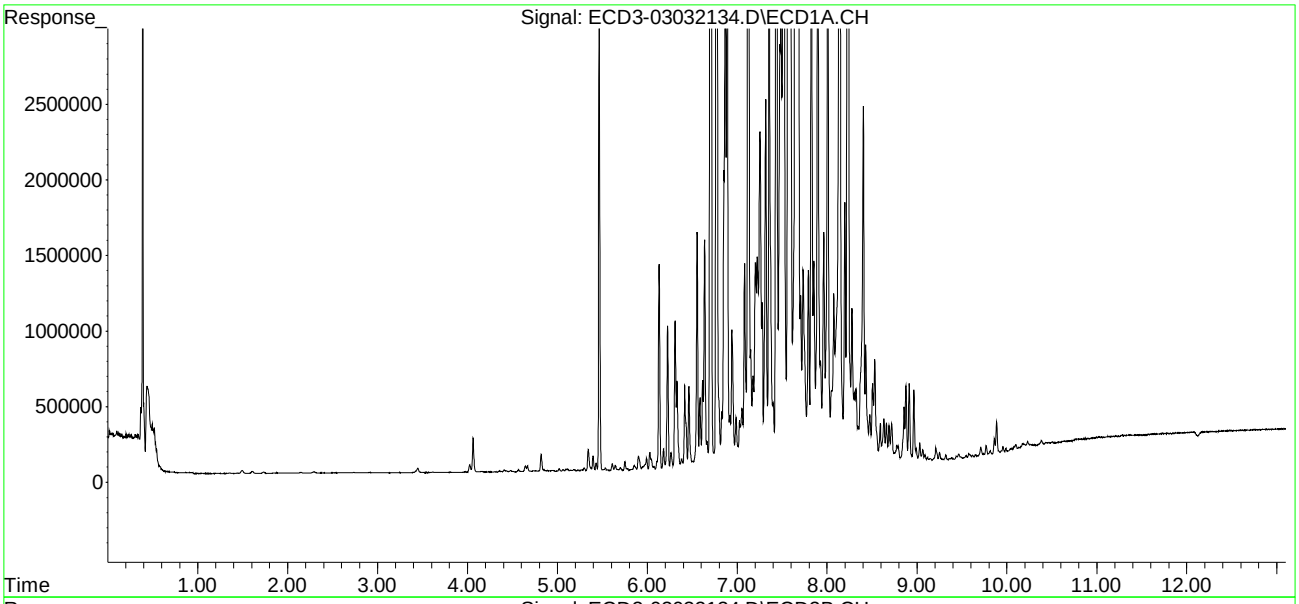
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.137	8.665	8277377	5035021	36.026	37.206	
31)	Mirex	8.791	9.590	98371	228215	0.399	2.810	#
32)	Chlordane...	7.575	8.038	47428298	29350323	1944.515	1874.753	
33)	Chlordane...	7.671	8.146	46466698	24070019	1954.815	1833.571	
34)	Chlordane...	8.229	8.802	13990764	7858554	2007.833	1941.852	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.671	8.396f	46466698	2103370	46713.913	1617.203	#
37)	Toxaphene...	7.961	8.718	1530455	853578	764.944	581.105	
38)	Toxaphene...	8.276	8.755	1024644	613488	260.102	296.397	
39)	Toxaphene...	8.504	8.802f	520019	7858554	124.346	2187.383	#
40)	Toxaphene...	8.717f	9.031f	253506	1404514	84.132	661.949	#
41)	Toxaphene...	8.791f	9.353f	98371	33405	27.894	15.697	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

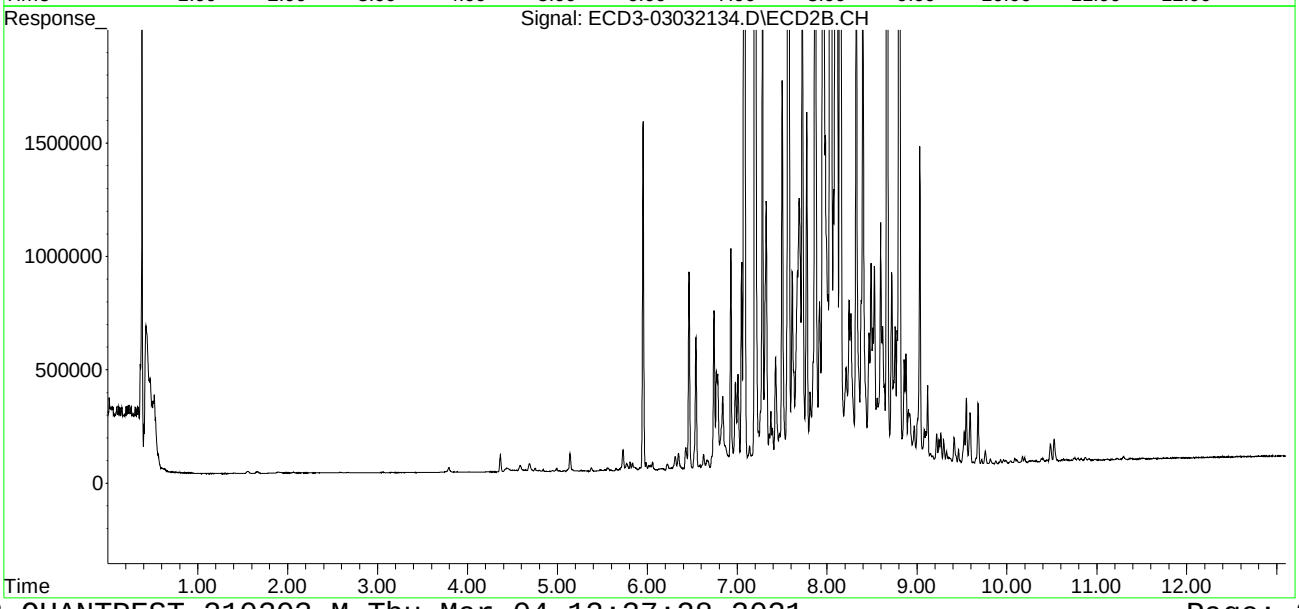
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:42
Operator : MJB
Sample : 1C03049-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:37:39 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.754	10.430	5472	9938	7577.973	2737.912	#
		Target Compounds							
2)		a-BHC	6.086	6.510	4581	3427	0.017	0.020	
3)		g-BHC	6.373	6.824	7249	5194	0.030	0.034	
4)		b-BHC	6.454	6.892	19356	15058	14656.889	2615.760	#
5)		Heptachlor	6.772	7.196	6241	3797	0.028	0.029	
6)		d-BHC	6.608	7.142	23035	15760	0.096	4083.371	#
7)		Aldrin	0.000	7.461	0	3154	N.D.	0.023	#
8)		Heptachlo...	7.485	7.899	18299	14465	2648.881	2603.317	
9)		trans-Chl...	7.576	8.038	21576	15642	42734.587	4677.072	#
10)		cis-Chlor...	7.674	8.145	31542	18200	BelowCal	3124.751	
11)		Endosulfa...	7.779	8.196	29912	13302	4235.442	4263.061	
12)		4,4'-DDE	7.726	8.248	43006	24412	0.038	0.027	
13)		Dieldrin	7.953	8.395	44204	18232	0.035	4222.948	#
14)		Endrin	8.133	8.617	26532	13387	BelowCal	BelowCal	
15)		4,4'-DDD	8.155	8.664	61206	34857	0.145	0.141	
16)		Endosulfa...	8.277	8.765	41602	28217	0.005	0.052	#
17)		4,4'-DDT	8.353	8.887	58537	22347	0.404	0.293	
18)		Endrin Al...	8.583	9.003	38209	41540	BelowCal	9483.299	
19)		Endosulfa...	8.884	9.197	37132	23518	BelowCal	BelowCal	
20)		Methoxychlor	8.683	9.357	17956	11471	0.041	0.121	#
21)		Endrin Ke...	9.083	9.588	45536	28348	0.006	BelowCal	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)		Oxychlordane	7.412	7.847	6057	4693	0.032	0.041	
26)		2,4'-DDE	7.485	8.021	18299	4422	0.125	0.048	#
27)		trans-Non...	7.674	8.085	31542	9749	0.144	0.076	#
28)		2,4'-DDD	7.874f	8.395	12955	18232	0.095	0.021	#
29)		2,4'-DDT	8.017	8.617	20023	13387	0.176	0.211	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

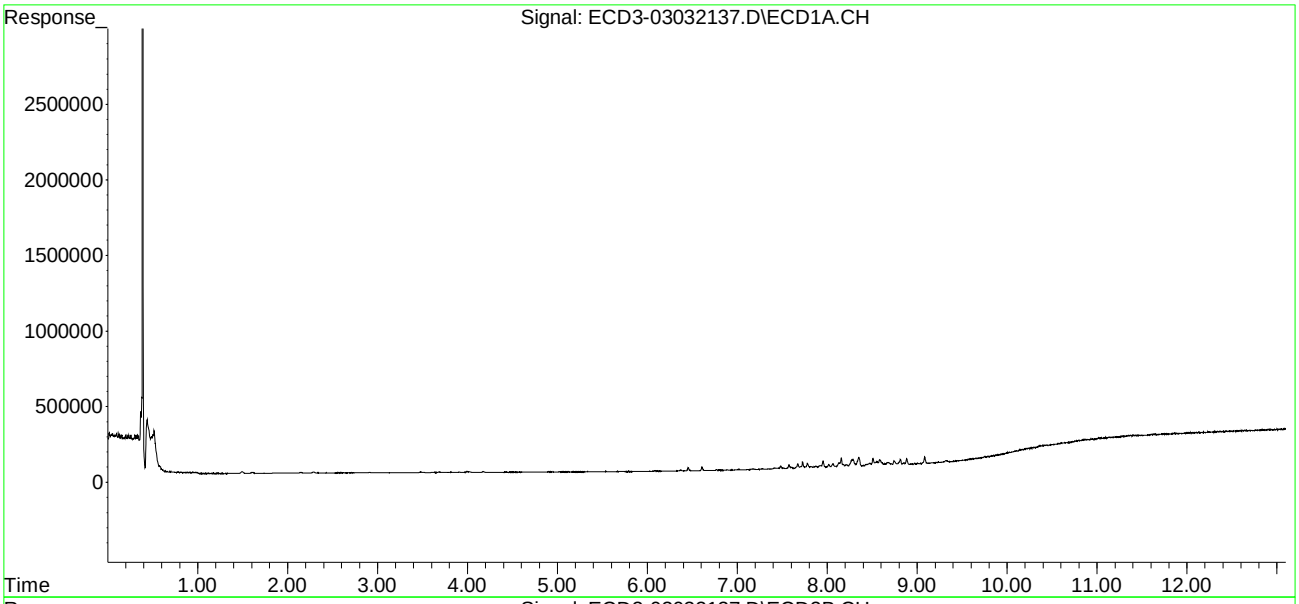
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.133	8.664	26532	34857	0.115	0.258	#
31)	Mirex	8.814	9.588	34356	28348	BelowCal	0.075	
32)	Chlordane...	7.576	8.038	21576	15642	0.885	0.999	
33)	Chlordane...	7.674	8.145	31542	18200	1.327	1.386	
34)	Chlordane...	8.214	8.823f	13462	39741	1.932	9.820	#
35)	Chlordane...	3.684f	0.000	4563	0	NoCal	N.D.	
36)	Toxaphene...	7.674	8.370	31542	12928	31.710	9.940	#
37)	Toxaphene...	7.953	8.723	44204	15425	22.094	10.501	#
38)	Toxaphene...	8.277	8.765	41602	28217	10.561	10.079	
39)	Toxaphene...	8.509	8.823	50020	39741	11.961	11.062	
40)	Toxaphene...	8.744	9.003	26884	41540	8.922	19.578	#
41)	Toxaphene...	8.814	9.376	34356	22966	9.742	10.792	
42)	Toxaphene...	3.684f	0.000	4563	0	NoCal	N.D.	

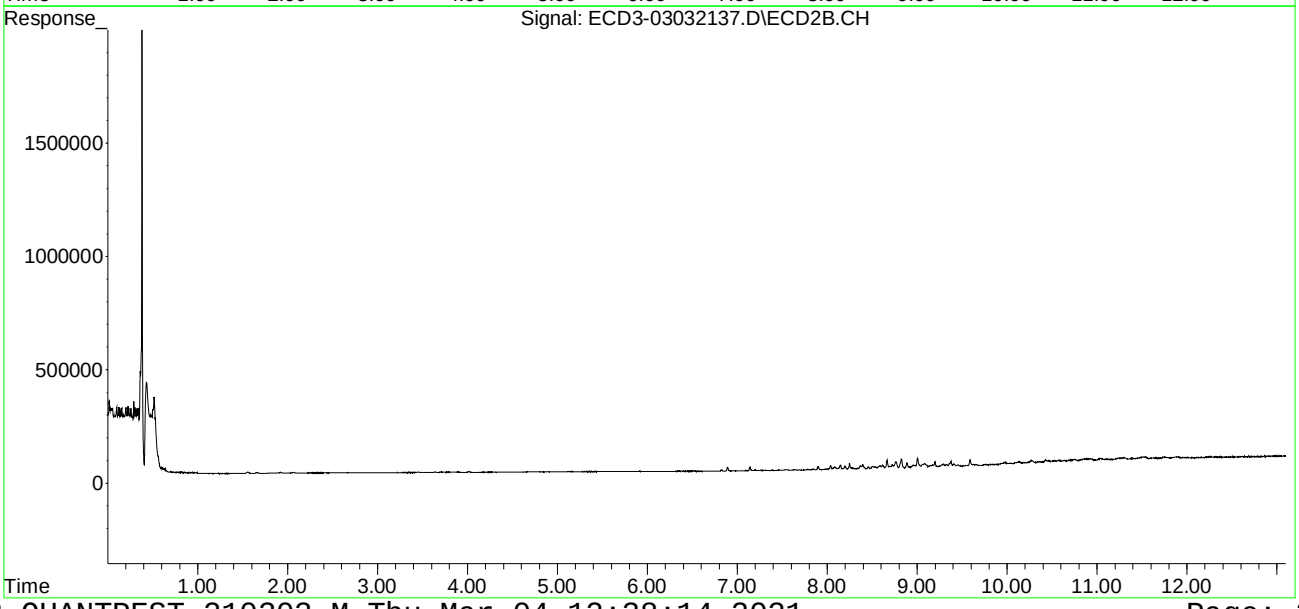
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

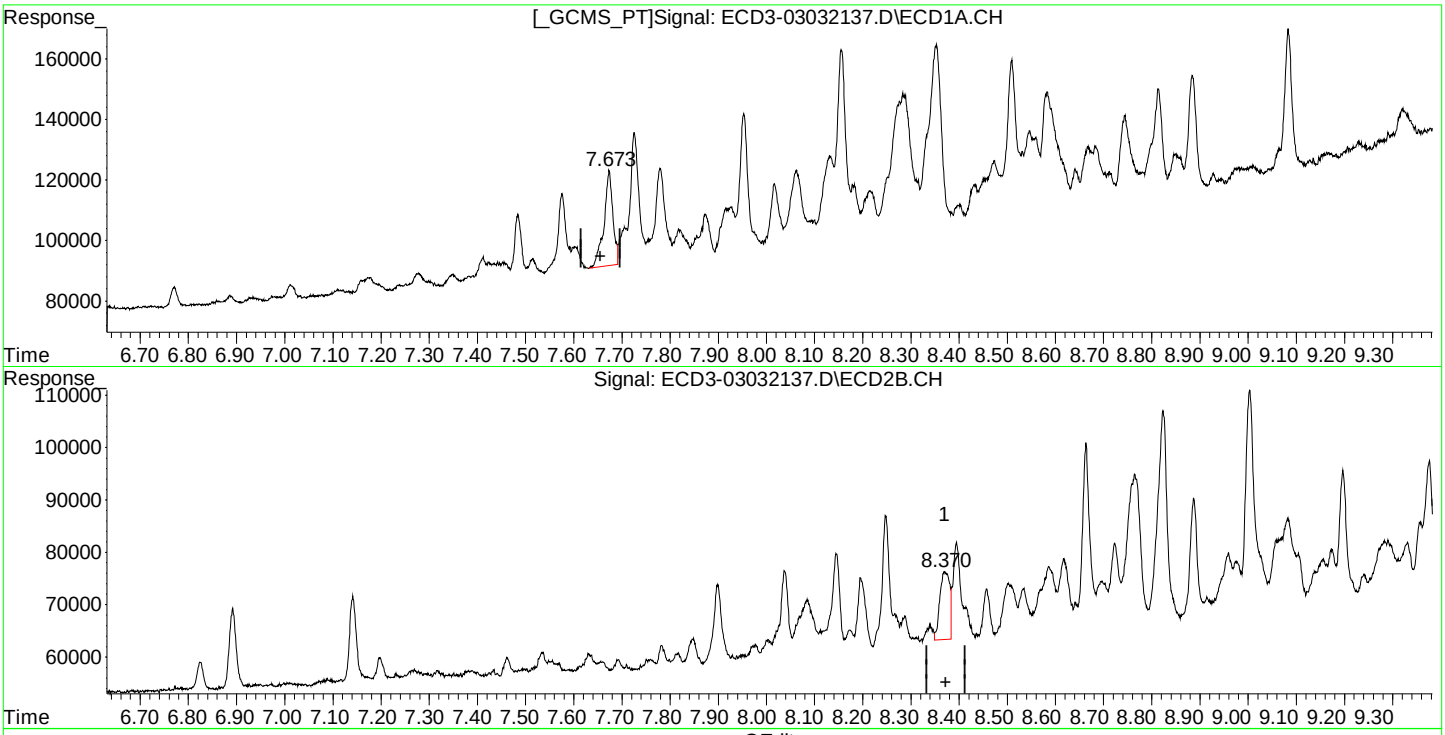




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(36) Toxaphene (1)
7.674min 31.710 ng/mL
response 31542

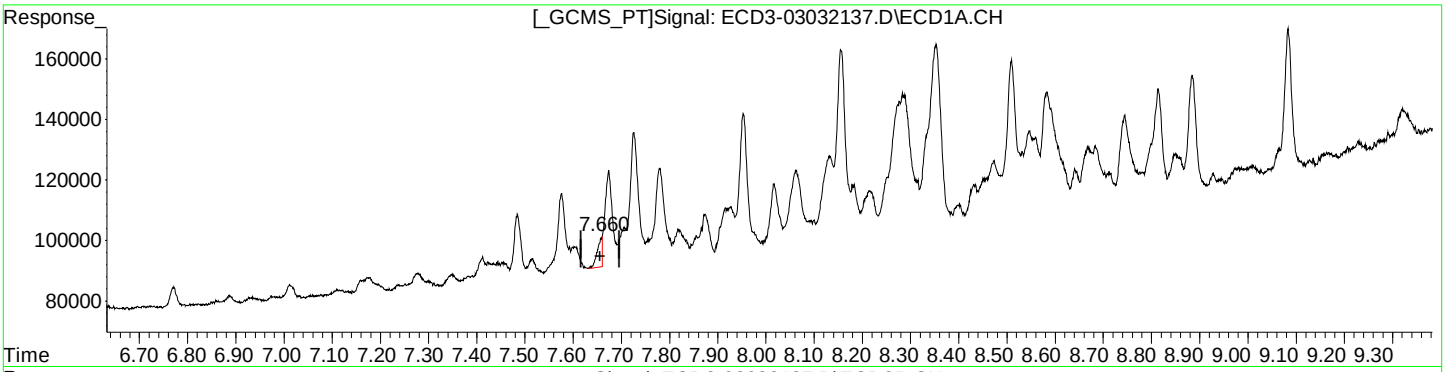
(36) Toxaphene (1) #2
8.370min 9.940 ng/mL
response 12928

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(36) Toxaphene (1)
7.660min 10.128 ng/mL m
response 10075

(36) Toxaphene (1) #2
8.370min 9.940 ng/mL
response 12928

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ MJB 3/4/21
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.754	10.430	5472	9938	7577.973	2737.912	#
	Target Compounds							
2)	a-BHC	6.086	6.510	4581	3427	0.017	0.020	
3)	g-BHC	6.373	6.824	7249	5194	0.030	0.034	
4)	b-BHC	6.454	6.892	19356	15058	14656.889	2615.760	#
5)	Heptachlor	6.772	7.196	6241	3797	0.028	0.029	
6)	d-BHC	6.608	7.142	23035	15760	0.096	4083.371	#
7)	Aldrin	0.000	7.461	0	3154	N.D.	0.023	#
8)	Heptachlo...	7.485	7.899	18299	14465	2648.881	2603.317	
9)	trans-Chl...	7.576	8.038	21576	15642	42734.587	4677.072	#
10)	cis-Chlor...	7.674	8.145	31542	18200	BelowCal	3124.751	
11)	Endosulfa...	7.779	8.196	29912	13302	4235.442	4263.061	
12)	4,4'-DDE	7.726	8.248	43006	24412	0.038	0.027	
13)	Dieldrin	7.953	8.395	44204	18232	0.035	4222.948	#
14)	Endrin	8.133	8.617	26532	13387	BelowCal	BelowCal	
15)	4,4'-DDD	8.155	8.664	61206	34857	0.145	0.141	
16)	Endosulfa...	8.277	8.765	41602	28217	0.005	0.052	#
17)	4,4'-DDT	8.353	8.887	58537	22347	0.404	0.293	
18)	Endrin Al...	8.583	9.003	38209	41540	BelowCal	9483.299	
19)	Endosulfa...	8.884	9.197	37132	23518	BelowCal	BelowCal	
20)	Methoxychlor	8.683	9.357	17956	11471	0.041	0.121	#
21)	Endrin Ke...	9.083	9.588	45536	28348	0.006	BelowCal	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.412	7.847	6057	4693	0.032	0.041	
26)	2,4'-DDE	7.485	8.021	18299	4422	0.125	0.048	#
27)	trans-Non...	7.674	8.085	31542	9749	0.144	0.076	#
28)	2,4'-DDD	7.874f	8.395	12955	18232	0.095	0.021	#
29)	2,4'-DDT	8.017	8.617	20023	13387	0.176	0.211	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Curve point not used in the calibration.

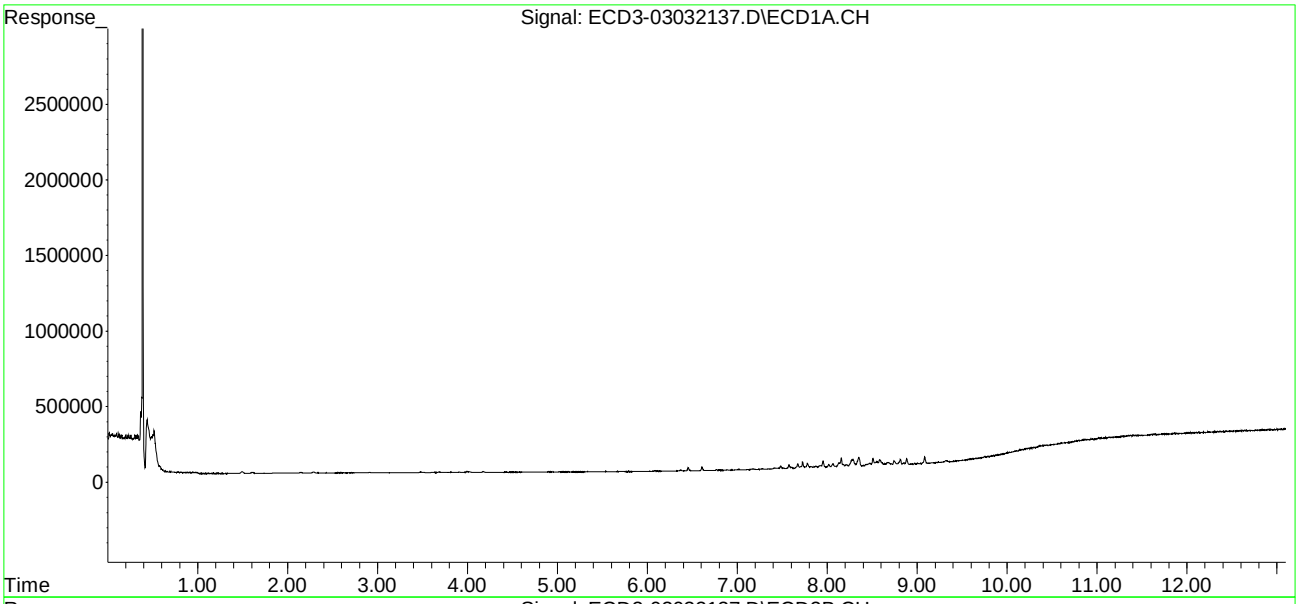
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.133	8.664	26532	34857	0.115	0.258	#
31)	Mirex	8.814	9.588	34356	28348	BelowCal	0.075	
32)	Chlordane...	7.576	8.038	21576	15642	0.885	0.999	
33)	Chlordane...	7.674	8.145	31542	18200	1.327	1.386	
34)	Chlordane...	8.214	8.823f	13462	39741	1.932	9.820	#
35)	Chlordane...	3.684f	0.000	4563	0	NoCal	N.D.	
36)	Toxaphene...	7.660	8.370	10075	12928	10.128m	9.940	
37)	Toxaphene...	7.953	8.723	44204	15425	22.094	10.501	#
38)	Toxaphene...	8.277	8.765	41602	28217	10.561	10.079	
39)	Toxaphene...	8.509	8.823	50020	39741	11.961	11.062	
40)	Toxaphene...	8.744	9.003	26884	41540	8.922	19.578	#
41)	Toxaphene...	8.814	9.376	34356	22966	9.742	10.792	
42)	Toxaphene...	3.684f	0.000	4563	0	NoCal	N.D.	

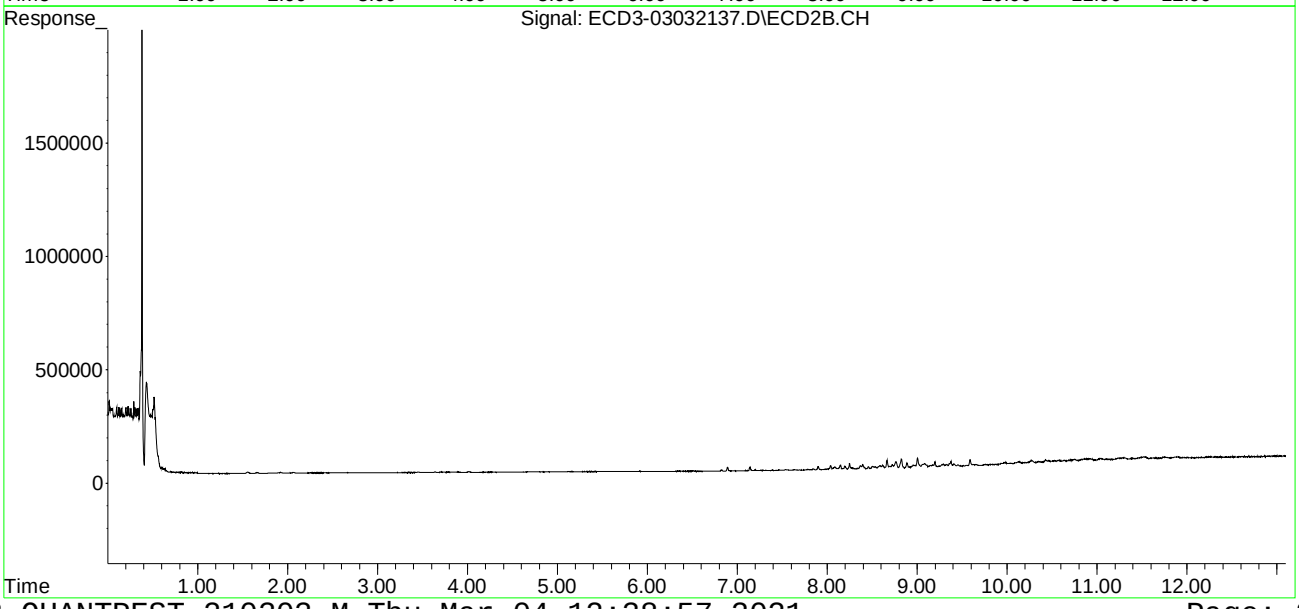
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:38:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:51
Operator : MJB
Sample : 1C03049-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.754	0.000	6575	0	7577.965	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	6.974f	7.496f	3636	5580	0.016	0.040	#
8)	Heptachlo...	7.489	7.899	14505	17593	2648.901	2603.290	
9)	trans-Chl...	7.570	8.022	24748	21553	42734.571	4677.024	#
10)	cis-Chlor...	7.656	8.131	48277	23594	BelowCal	3124.705	
11)	Endosulfa...	7.784	8.206	62189	26341	0.138	0.043	#
12)	4,4'-DDE	7.723	8.232	21325	25200	BelowCal	0.033	
13)	Dieldrin	7.953	8.413	104221	32815	0.337	0.110	#
14)	Endrin	8.134	8.617	126108	52325	0.634	0.425	
15)	4,4'-DDD	8.149	8.672	111659	33607	0.436	0.128	#
16)	Endosulfa...	8.272	8.755	189749	105628	0.963	0.862	
17)	4,4'-DDT	8.357	8.883	170356	38152	1.176	0.500	#
18)	Endrin Al...	8.558	9.001	118149	104471	BelowCal	0.394	
19)	Endosulfa...	8.877	9.196	61287	34074	0.114	0.107	
20)	Methoxychlor	8.668	9.375f	98338	101106	1.201	2.559	#
21)	Endrin Ke...	9.077	9.618f	35457	12288	BelowCal	BelowCal	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.409	7.815	37497	13080	0.197	0.113	#
26)	2,4'-DDE	7.455	8.022	27444	21553	0.187	0.235	
27)	trans-Non...	7.656	8.083f	48277	32964	0.220	0.255	
28)	2,4'-DDD	7.854	8.413	37199	32815	0.273	0.210	
29)	2,4'-DDT	8.016	8.617	101444	52325	0.891	0.824	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:51
Operator : MJB
Sample : 1C03049-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

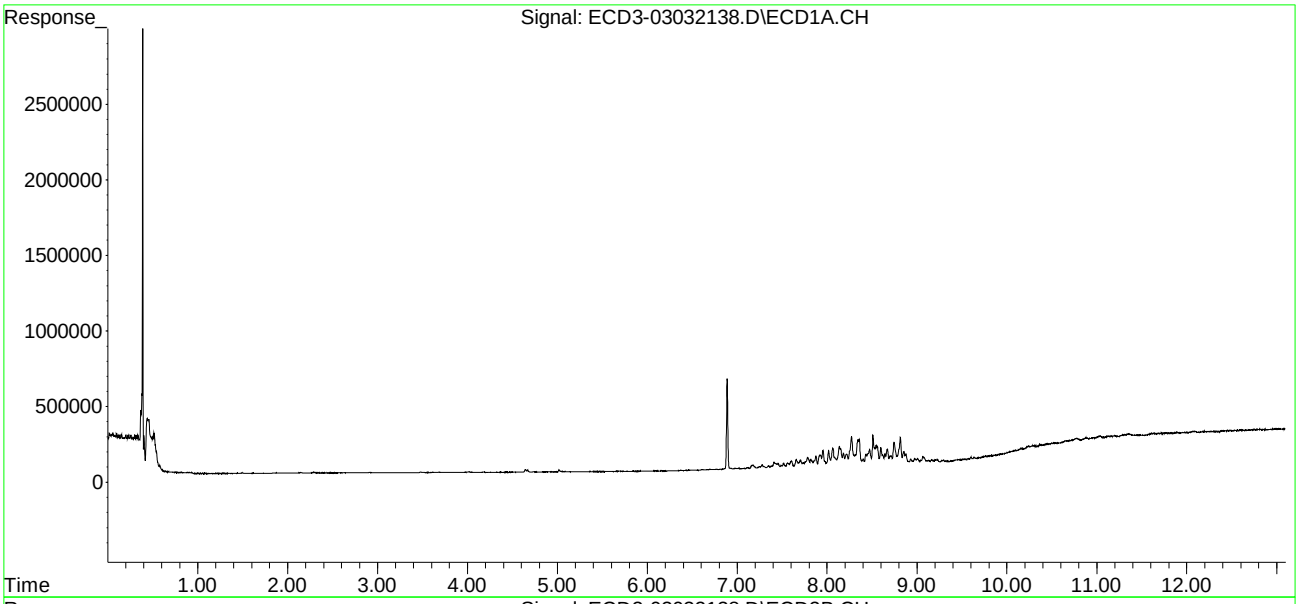
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.134	8.672	126108	33607	0.549	0.248	#
31)	Mirex	8.813	9.547f	172482	14524	0.978	BelowCal	#
32)	Chlordane...	7.570	8.022	24748	21553	1.015	1.377	
33)	Chlordane...	7.656	8.131	48277	23594	2.031	1.797	
34)	Chlordane...	8.216	8.824f	74073	173570	10.630	42.889	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.656	8.373	48277	67589	48.533	51.967	
37)	Toxaphene...	7.953	8.723	104221	70999	52.091	48.335	
38)	Toxaphene...	8.272	8.755	189749	105628	48.167	48.362	
39)	Toxaphene...	8.510	8.824	195608	173570	46.773	48.312	
40)	Toxaphene...	8.743	9.001	141648	104471	47.009	49.237	
41)	Toxaphene...	8.813	9.375	172482	101106	48.908	47.509	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

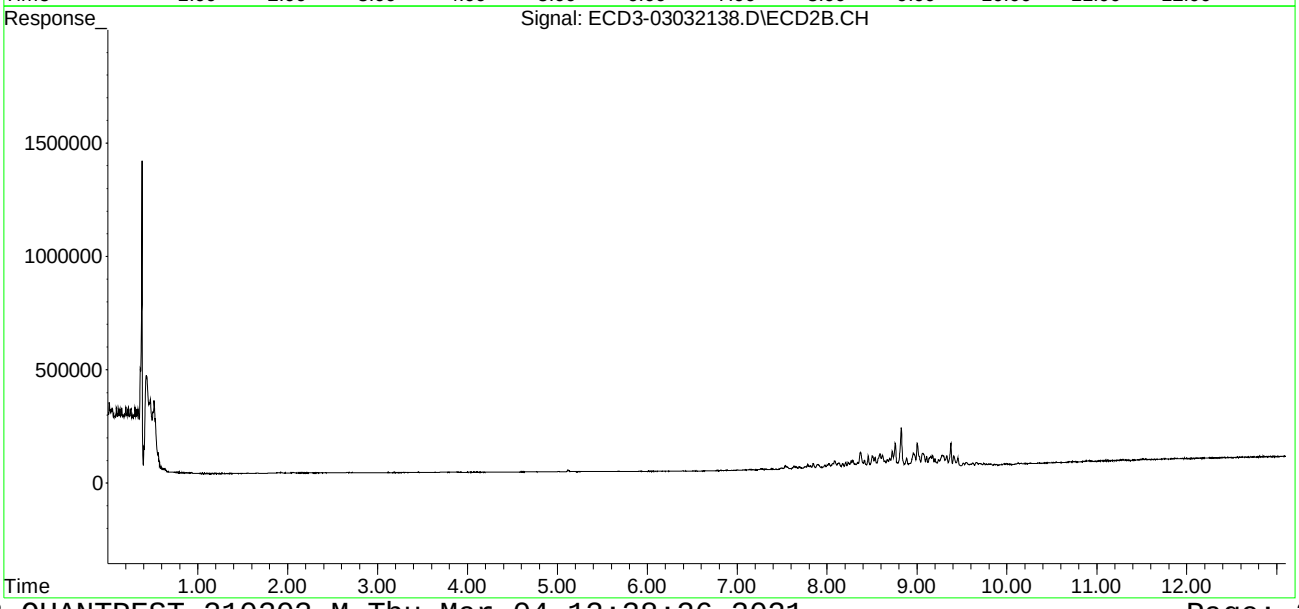
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:51
Operator : MJB
Sample : 1C03049-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:08
Operator : MJB
Sample : 1C03049-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.752	0.000	10586	0	7577.934	N.D.	#
		Target Compounds							
2)		a-BHC	0.000	6.508	0	994	N.D.	0.006	#
3)		g-BHC	6.333f	6.815	4266	1247	0.018	0.008	#
4)		b-BHC	6.488f	0.000	2385	0	14657.055	N.D.	#
5)		Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)		d-BHC	6.607	7.143	3748	3097	0.016	4083.460	#
7)		Aldrin	7.017	7.464	11900	3577	0.052	0.026	#
8)		Heptachlo...	7.490	7.900	33710	36153	2648.803	0.106	#
9)		trans-Chl...	7.559	8.049	60507	25756	0.137	4676.989	#
10)		cis-Chlor...	7.684	8.131	58271	51896	0.035	0.223	#
11)		Endosulfa...	7.782	8.206	130090	55837	0.512	0.312	
12)		4,4'-DDE	7.736	8.235	60193	55556	0.121	0.273	#
13)		Dieldrin	7.952	8.413	204555	72863	0.842	0.433	#
14)		Endrin	8.132	8.616	260588	112206	1.499	1.103	
15)		4,4'-DDD	8.149	8.670	229917	73449	1.120	0.523	#
16)		Endosulfa...	8.271	8.756	387244	208595	2.239	1.939	
17)		4,4'-DDT	8.357	8.884	347388	80769	2.397	1.059	#
18)		Endrin Al...	8.558	9.002	239298	207149	0.815	1.701	#
19)		Endosulfa...	8.876	9.197	134670	73048	0.604	0.573	
20)		Methoxychlor	8.667	9.375f	213763	205315	2.864	5.378	#
21)		Endrin Ke...	9.064	9.596	87316	16505	0.259	BelowCal	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)		Oxychlordane	7.409	7.815	78535	27750	0.412	0.240	#
26)		2,4'-DDE	7.455	8.022	56479	45706	0.385	0.498	
27)		trans-Non...	7.655	8.084f	100418	65632	0.457	0.508	
28)		2,4'-DDD	7.855	8.413	82855	72863	0.608	0.728	
29)		2,4'-DDT	8.016	8.616	210293	112206	1.846	1.768	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:08
Operator : MJB
Sample : 1C03049-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

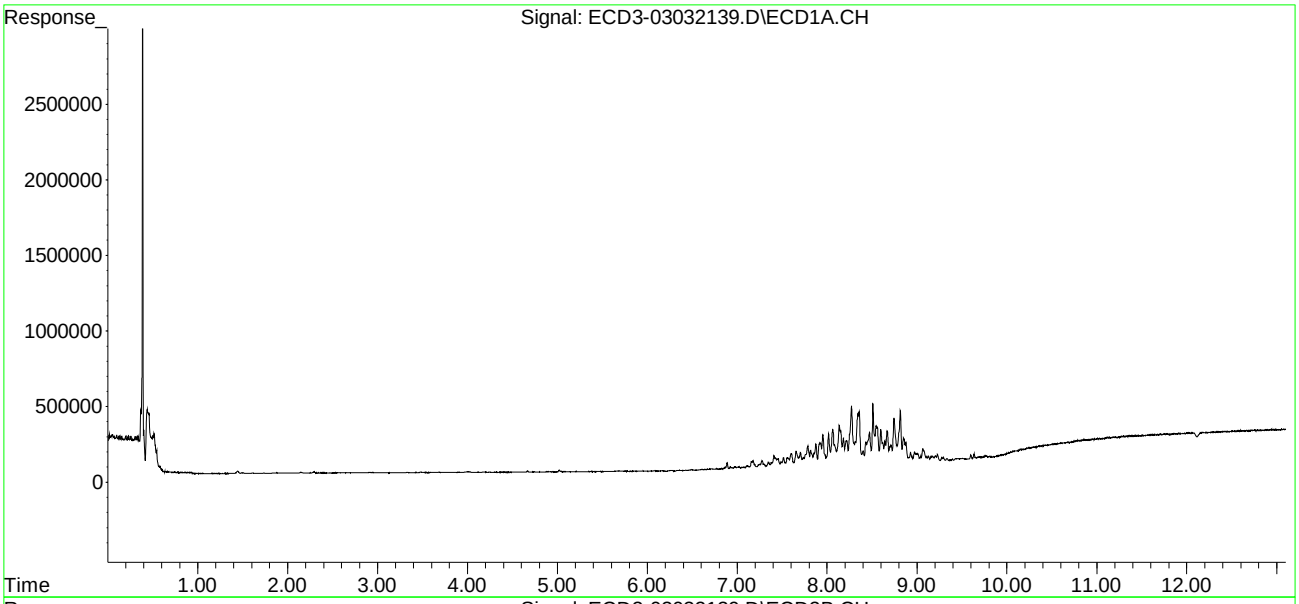
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.132	8.670	260588	73449	1.134	0.543	#
31)	Mirex	8.813	9.596f	344725	16505	2.324	BelowCal	#
32)	Chlordane...	7.559	8.049	60507	25756	2.481	1.645	
33)	Chlordane...	7.684	8.131	58271	51896	2.451	3.953	#
34)	Chlordane...	8.215	8.823f	158909	346487	22.805	85.617	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.655	8.373	100418	133033	100.953	102.284	
37)	Toxaphene...	7.952	8.723	204555	144955	102.240	98.684	
38)	Toxaphene...	8.271	8.756	387244	208595	98.301	99.086	
39)	Toxaphene...	8.509	8.823	398477	346487	95.283	96.443	
40)	Toxaphene...	8.743	9.002	294995	207149	97.901	97.630	
41)	Toxaphene...	8.813	9.375	344725	205315	97.749	96.476	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

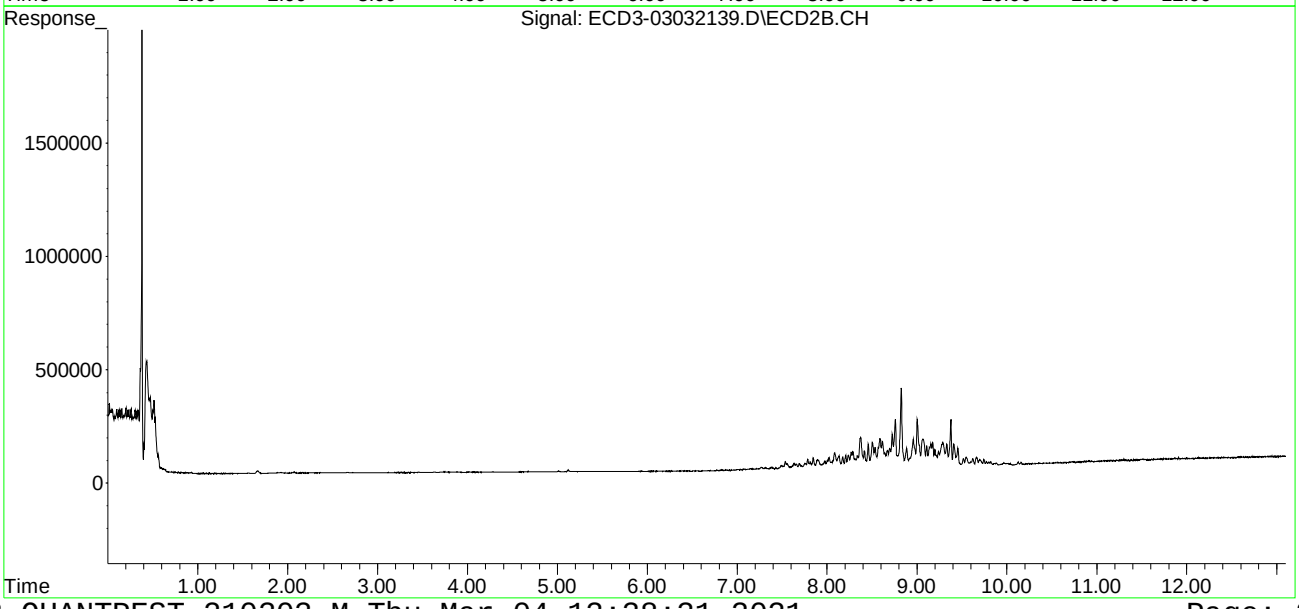
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:08
Operator : MJB
Sample : 1C03049-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:25
Operator : MJB
Sample : 1C03049-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.756	10.413	11650	3207	7577.926	2738.008	#
	Target Compounds							
2)	a-BHC	0.000	6.513	0	1071	N.D.	0.006	#
3)	g-BHC	6.371	6.827	3134	5497	0.013	0.036	#
4)	b-BHC	6.436	6.878	5738	5942	14657.023	2615.898	#
5)	Heptachlor	6.772	7.215	13305	11100	0.060	0.085	#
6)	d-BHC	6.612	7.148	10605	13046	0.044	4083.390	#
7)	Aldrin	7.018	7.463	29469	14253	0.129	0.102	
8)	Heptachlo...	7.490	7.900	73635	76885	0.164	0.447	#
9)	trans-Chl...	7.557	8.048	124075	55510	0.449	0.241	#
10)	cis-Chlor...	7.656	8.130	202555	106057	0.781	0.687	
11)	Endosulfa...	7.783	8.206	260499	114267	1.231	0.846	
12)	4,4'-DDE	7.736	8.234	119274	114473	0.408	0.739	#
13)	Dieldrin	7.952	8.415	396952	144298	1.809	1.009	#
14)	Endrin	8.134	8.616	510584	213571	3.108	2.250	
15)	4,4'-DDD	8.148	8.671	453664	144684	2.412	1.228	#
16)	Endosulfa...	8.271	8.756	751809	399055	4.594	3.932	
17)	4,4'-DDT	8.356	8.885	681100	163581	4.700	2.145	#
18)	Endrin Al...	8.558	9.002	488743	411452	2.656	4.302	#
19)	Endosulfa...	8.876	9.197	276668	149667	1.552	1.488	
20)	Methoxychlor	8.666	9.375f	423917	400525	5.882	10.613	#
21)	Endrin Ke...	9.064	9.618f	182208	67754	0.834	0.124	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.409	7.814	157393	62094	0.826	0.536	
26)	2,4'-DDE	7.455	8.021	120443	95528	0.822	1.041	
27)	trans-Non...	7.656	8.086	202555	137560	0.922	1.065	
28)	2,4'-DDD	7.874f	8.415	292838	144298	2.150	1.653	
29)	2,4'-DDT	8.016	8.616	416430	213571	3.656	3.365	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:25
Operator : MJB
Sample : 1C03049-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

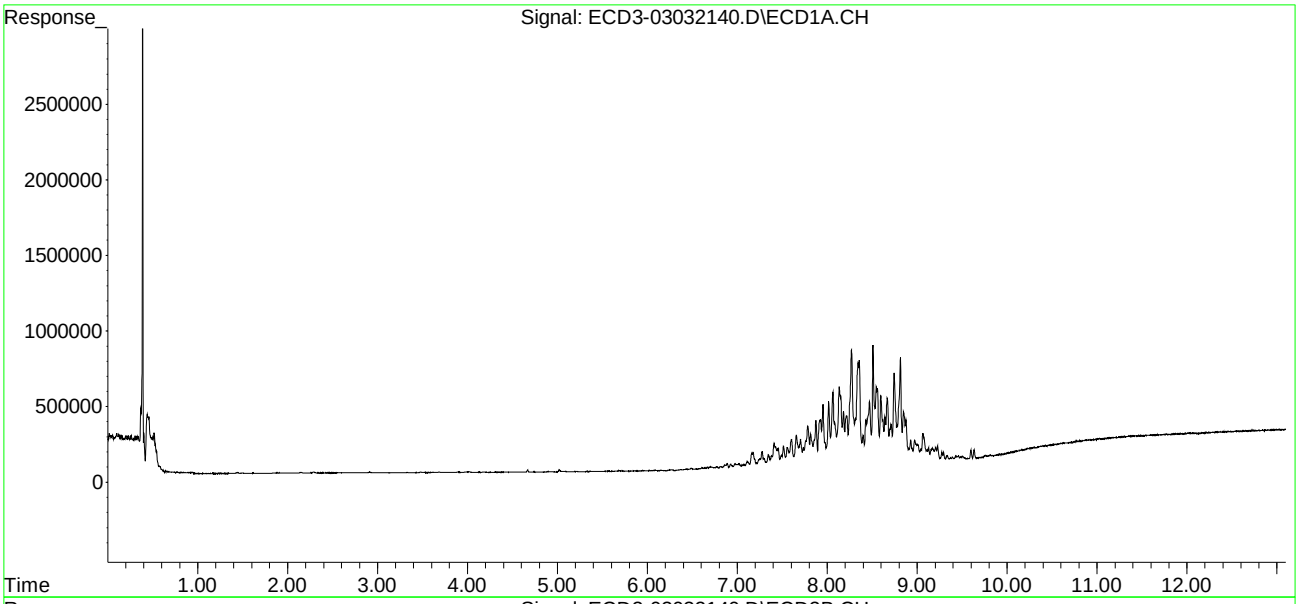
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.134	8.671	510584	144684	2.222	1.069	#
31)	Mirex	8.813	9.543f	688086	78497	5.006	0.761	#
32)	Chlordane...	7.557	8.048	124075	55510	5.087	3.546	
33)	Chlordane...	7.656	8.130	202555	106057	8.521	8.079	
34)	Chlordane...	8.216	8.824f	317405	682894	45.551	168.743	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.656	8.373	202555	258740	203.633	198.935	
37)	Toxaphene...	7.952	8.723	396952	282259	198.403	192.158	
38)	Toxaphene...	8.271	8.756	751809	399055	190.844	192.320	
39)	Toxaphene...	8.509	8.824	778575	682894	186.171	190.080	
40)	Toxaphene...	8.743	9.002	588222	411452	195.215	193.918	
41)	Toxaphene...	8.813	9.375	688086	400525	195.111	188.204	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

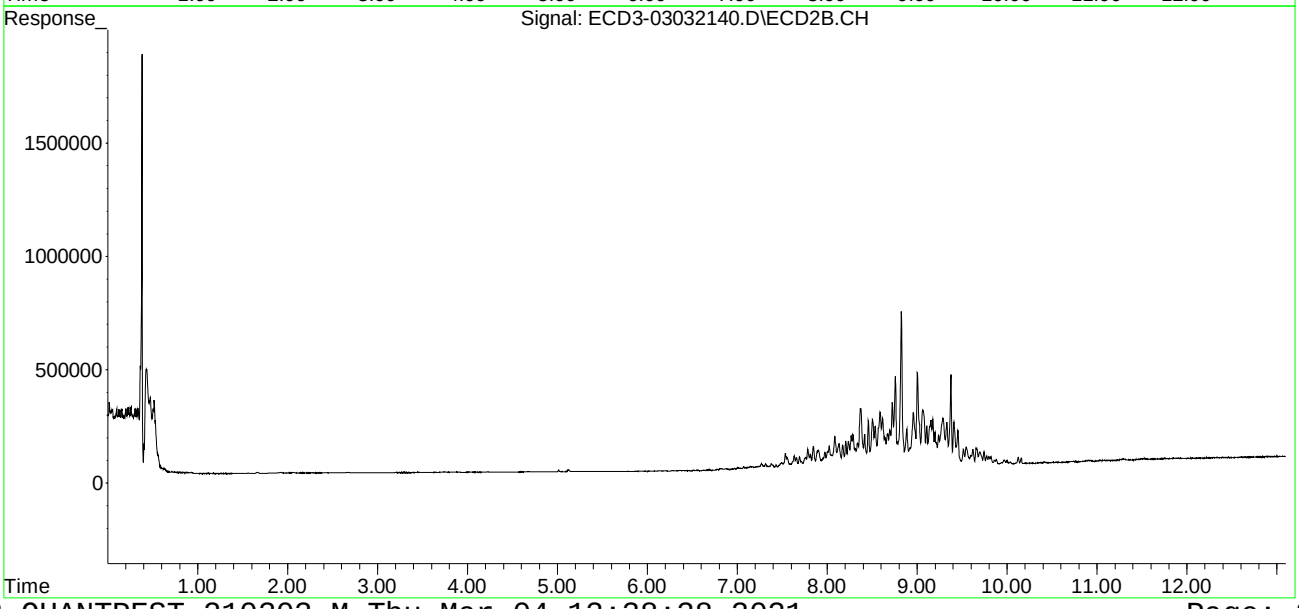
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:25
Operator : MJB
Sample : 1C03049-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:39:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:42
Operator : MJB
Sample : 1C03049-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:00 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.756	10.410f	34647	15125	0.094	2737.838	#
		Target Compounds							
2)		a-BHC	6.079	6.512	4163	3743	0.015	0.021	#
3)		g-BHC	6.372	6.826	8599	11660	0.035	0.077	#
4)		b-BHC	6.462	6.880	8547	15094	14656.995	2615.759	#
5)		Heptachlor	6.773	7.189	29673	20225	0.135	0.156	
6)		d-BHC	6.610	7.147	22836	28294	0.095	0.026	#
7)		Aldrin	7.018	7.464	70967	36497	0.312	0.260	
8)		Heptachlo...	7.489	7.899	189737	194719	0.757	1.433	#
9)		trans-Chl...	7.556	8.021	305678	231808	1.340	1.694	
10)		cis-Chlor...	7.656	8.129	517412	252052	2.408	1.940	
11)		Endosulfa...	7.782	8.206	666207	284628	3.469	2.401	
12)		4,4'-DDE	7.736	8.234	290984	285759	1.241	2.094	#
13)		Dieldrin	7.952	8.414	1019158	362416	4.936	2.769	#
14)		Endrin	8.133	8.616	1343088	592323	8.461	6.534	
15)		4,4'-DDD	8.147	8.670	1203023	403725	6.736	3.794	#
16)		Endosulfa...	8.271	8.756	2014099	1102207	12.741	11.287	
17)		4,4'-DDT	8.357	8.884	1834979	431979	12.663	5.665	#
18)		Endrin Al...	8.558	9.002	1328284	1091933	8.850	12.977	#
19)		Endosulfa...	8.876	9.196	797248	409063	5.027	4.582	
20)		Methoxychlor	8.665	9.375	1167731	1080933	16.477	28.422	#
21)		Endrin Ke...	9.064	9.618f	516075	195913	2.857	1.577	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.954f	0.000	4496	0	16176.068	N.D.	#
25)		Oxychlordane	7.409	7.814	379929	147010	1.993	1.270	
26)		2,4'-DDE	7.489	8.021	189737	231808	1.295	2.525	#
27)		trans-Non...	7.656	8.085f	517412	328098	2.356	2.541	
28)		2,4'-DDD	7.854	8.414	424930	362416	3.120	4.479	#
29)		2,4'-DDT	8.016	8.616	1093270	592323	9.599	9.333	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:42
Operator : MJB
Sample : 1C03049-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:00 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

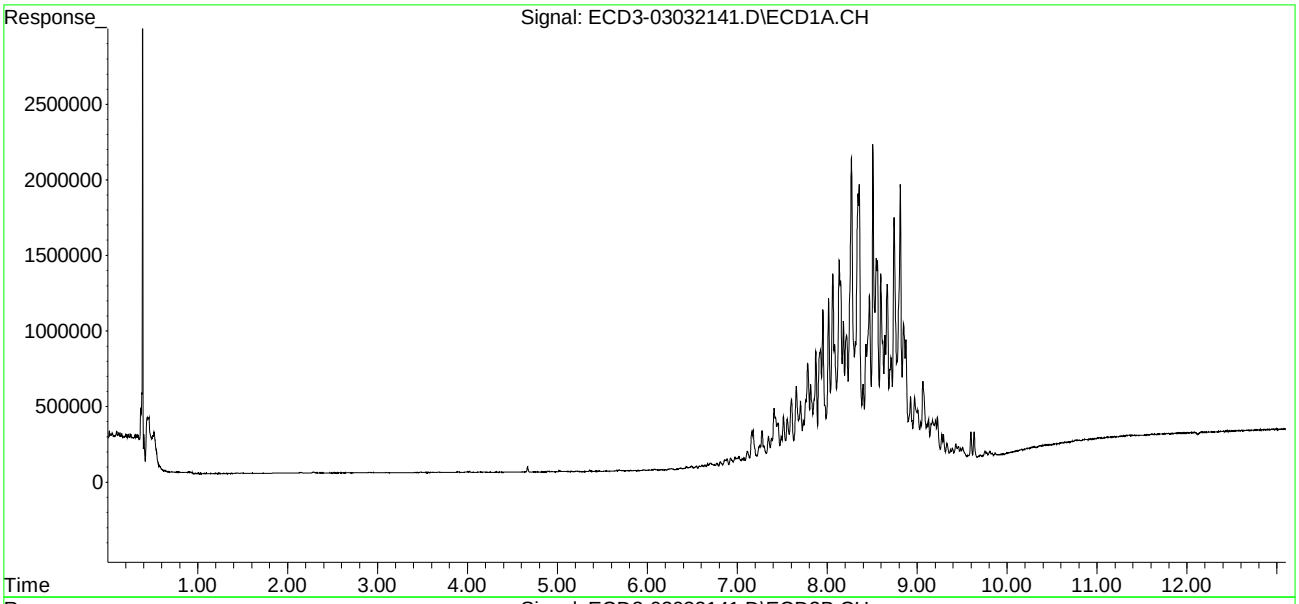
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.133	8.670	1343088	403725	5.846	2.983	#
31)	Mirex	8.813	9.543f	1824963	226349	13.865	2.785	#
32)	Chlordane...	7.556	8.021	305678	231808	12.533	14.807	
33)	Chlordane...	7.656	8.129	517412	252052	21.767	19.200	
34)	Chlordane...	8.215	8.824f	841403	1820266	120.751	449.788	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.656	8.373	517412	657692	520.165	505.675	
37)	Toxaphene...	7.952	8.723	1019158	756638	509.390	515.109	
38)	Toxaphene...	8.271	8.756	2014099	1102207	511.272	530.191	
39)	Toxaphene...	8.509	8.824	2094580	1820266	500.850	506.661	
40)	Toxaphene...	8.743	9.002	1607314	1091933	533.425	514.629	
41)	Toxaphene...	8.813	9.375	1824963	1080933	517.480	507.922	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

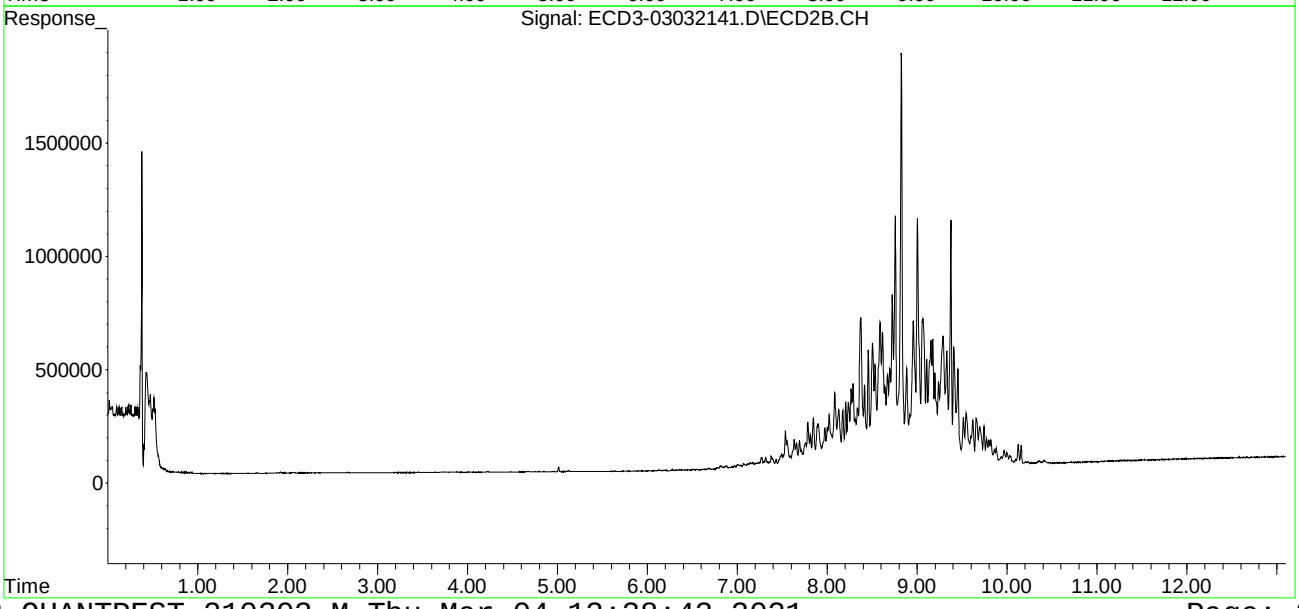
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:42
Operator : MJB
Sample : 1C03049-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:00 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:59
Operator : MJB
Sample : 1C03049-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.540	0.000	4862	0	0.024	N.D.	#
22) S	DCBP (S)	9.755	10.411f	76490	40687	0.416	0.357	
	Target Compounds							
2)	a-BHC	6.082	6.509	14697	8898	0.053	0.051	
3)	g-BHC	6.373	6.813	18956	25600	0.078	0.169	#
4)	b-BHC	6.436	6.881	26545	29039	14656.818	0.109	#
5)	Heptachlor	6.776	7.192	54743	37369	0.249	0.288	
6)	d-BHC	6.609	7.144	41661	47362	0.173	0.161	
7)	Aldrin	7.016	7.461	131823	68126	0.579	0.486	
8)	Heptachlo...	7.488	7.898	361280	357102	1.633	2.794	#
9)	trans-Chl...	7.553f	8.021	574643	433333	2.660	3.355	
10)	cis-Chlor...	7.655	8.129	979188	459896	4.794	3.726	
11)	Endosulfa...	7.782	8.206	1326015	534386	7.115	4.684	
12)	4,4'-DDE	7.735	8.233	537182	561926	2.434	4.282	#
13)	Dieldrin	7.951	8.413	1975754	692424	9.739	5.435	#
14)	Endrin	8.132	8.616	2691856	1227233	17.123	13.703	
15)	4,4'-DDD	8.132f	8.669	2691856	794496	15.302	7.663	#
16)	Endosulfa...	8.270	8.756	4064381	2197406	25.945	22.736	
17)	4,4'-DDT	8.356	8.884	3673327	888000	25.350	11.645	#
18)	Endrin Al...	8.595	9.002	2535571	2216353	17.745	27.345	#
19)	Endosulfa...	8.875	9.197	1640005	856534	10.645	9.904	
20)	Methoxychlor	8.665	9.374	2426812	2174424	34.107	55.755	#
21)	Endrin Ke...	9.063	9.618f	1040062	425465	6.026	4.170	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.954f	6.360	8262	2408	16176.050	1560.541	#
25)	Oxychlordane	7.409	7.845	706667	395805	3.707	3.419	
26)	2,4'-DDE	7.488	8.021	361280	433333	2.466	4.720	#
27)	trans-Non...	7.655	8.084f	979188	623559	4.458	4.830	
28)	2,4'-DDD	7.873f	8.413	1452694	692424	10.666	8.755	
29)	2,4'-DDT	8.015	8.616	2176127	1227233	19.107	19.336	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:59
Operator : MJB
Sample : 1C03049-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

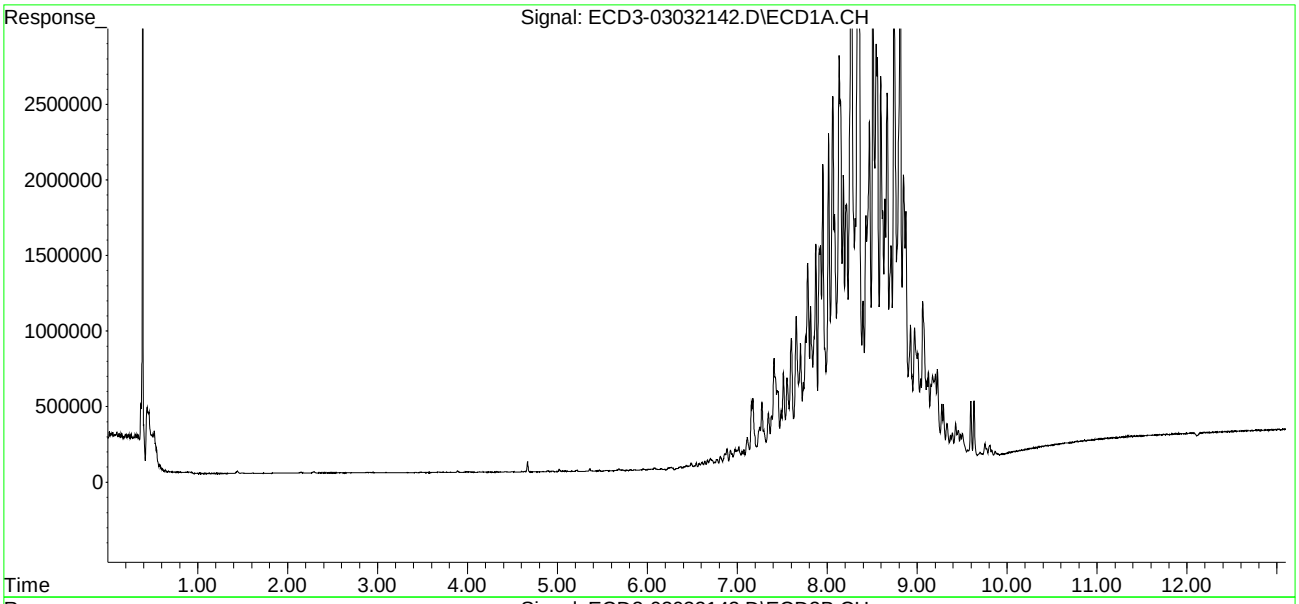
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.132	8.669	2691856	794496	11.716	5.871	#
31)	Mirex	8.812	9.543f	3659782	481453	28.098	6.276	#
32)	Chlordane...	7.553f	8.021	574643	433333	23.560	27.679	
33)	Chlordane...	7.655	8.129	979188	459896	41.194	35.033	
34)	Chlordane...	8.213	8.824f	1702699	3640794	244.357	899.642	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.655	8.373	979188	1274272	984.397	979.741	
37)	Toxaphene...	7.951	8.723	1975754	1487397	987.511	1012.601	
38)	Toxaphene...	8.270	8.756	4064381	2197406	1031.728	1038.088	
39)	Toxaphene...	8.508	8.824	4191330	3640794	1002.219	1013.394	
40)	Toxaphene...	8.742	9.002	3218724	2216353	1068.209	1044.569	
41)	Toxaphene...	8.812	9.374	3659782	2174424	1037.755	1021.745	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

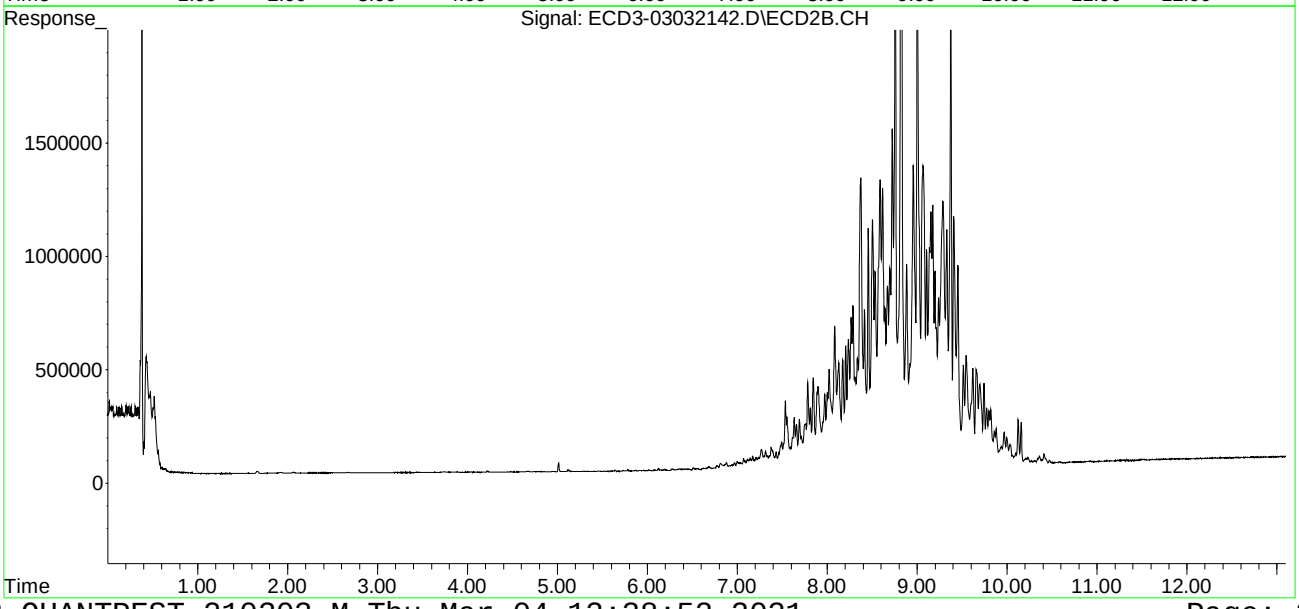
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:59
Operator : MJB
Sample : 1C03049-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:16
Operator : MJB
Sample : 1C03049-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.541	5.952f	8309	5448	0.040	1787.750	#
22)	S	DCBP (S)	9.755	10.411f	172825	93132	1.155	1.104	
		Target Compounds							
2)		a-BHC	6.084	6.510	25108	13929	0.091	0.080	
3)		g-BHC	6.371	6.816	32826	45202	0.135	0.299	#
4)		b-BHC	6.458	6.881	36855	52378	0.020	0.463	#
5)		Heptachlor	6.772	7.212	107237	86827	0.487	0.668	
6)		d-BHC	6.608	7.144	76120	78780	0.316	0.383	
7)		Aldrin	7.017	7.463	242188	119093	1.064	0.850	
8)		Heptachlo...	7.488	7.897	668407	663173	3.202	5.363	#
9)		trans-Chl...	7.553f	8.050	1074139	484449	5.112	3.777	
10)		cis-Chlor...	7.655	8.128	1874003	856125	9.414	7.137	
11)		Endosulfa...	7.782	8.206	2543753	1007628	13.860	9.016	
12)		4,4'-DDE	7.735	8.234	1004861	1093183	4.701	8.499	#
13)		Dieldrin	7.951	8.413	3751267	1321172	18.640	10.524	#
14)		Endrin	8.132	8.616	5165203	2424358	32.973	27.177	
15)		4,4'-DDD	8.147	8.669	4676028	1576641	26.668	15.406	#
16)		Endosulfa...	8.270	8.756	7792918	4270746	49.869	44.392	
17)		4,4'-DDT	8.356	8.884	7154260	1778435	49.373	23.323	#
18)		Endrin Al...	8.557	9.002	5318005	4224661	38.193	53.118	
19)		Endosulfa...	8.875	9.197	3322985	1717273	21.839	20.090	
20)		Methoxychlor	8.665	9.375	4813667	4372411	66.550	106.720	#
21)		Endrin Ke...	9.063	9.618f	2106775	895768	12.458	9.452	
23)		Hexachlor...	3.330	3.626	5048	4091	0.021	1282.048	#
24)		Hexachlor...	5.917	6.359	65763	4108	0.151	1560.528	#
25)		Oxychlordane	7.409	7.845	1299389	720741	6.816	6.225	
26)		2,4'-DDE	7.488	8.021	668407	809497	4.562	8.818	#
27)		trans-Non...	7.655	8.084f	1874003	1167506	8.532	9.043	
28)		2,4'-DDD	7.872f	8.413	2788199	1321172	20.471	16.913	
29)		2,4'-DDT	8.015	8.616	4148271	2424358	36.424	38.198	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:16
Operator : MJB
Sample : 1C03049-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

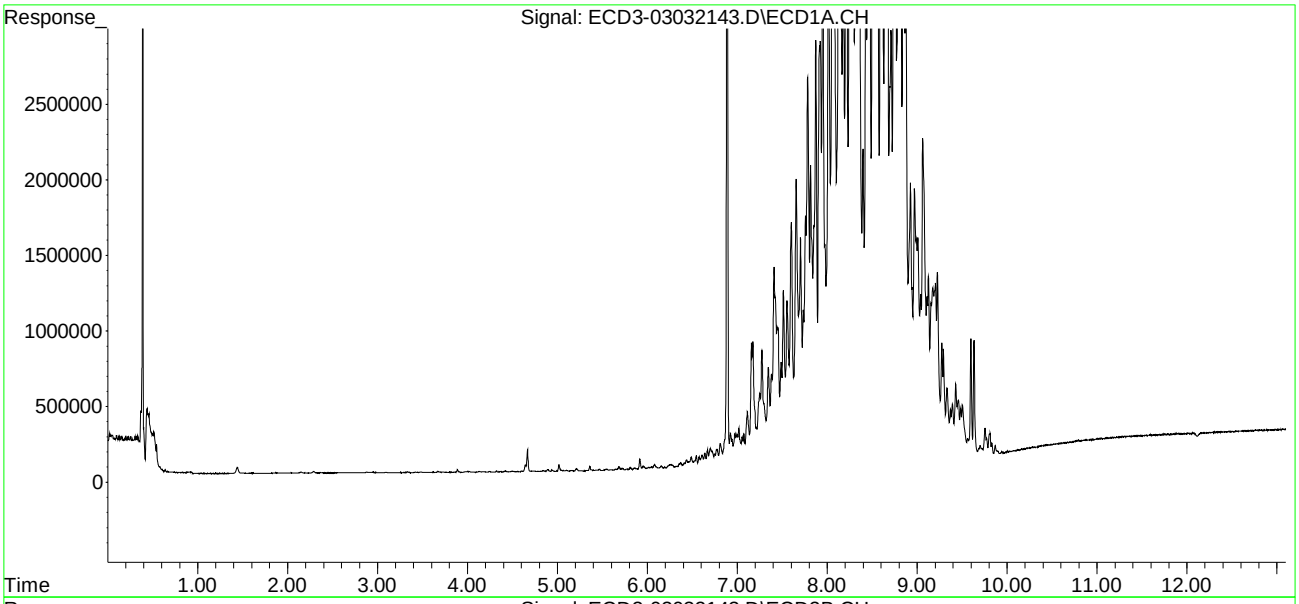
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.132	8.669	5165203	1576641	22.481	11.651	#
31)	Mirex	8.812	9.544f	7207527	985048	55.393	13.165	#
32)	Chlordane...	7.553f	8.050	1074139	484449	44.039	30.944	
33)	Chlordane...	7.655	8.128	1874003	856125	78.838	65.217	
34)	Chlordane...	8.214	8.823f	3388035	7085052	486.221	1750.719	#
35)	Chlordane...	3.674f	0.000	4360	0	NoCal	N.D.	
36)	Toxaphene...	7.655	8.373	1874003	2492166	1883.974	1916.134	
37)	Toxaphene...	7.951	8.723	3751267	2916552	1874.939	1985.550	
38)	Toxaphene...	8.270	8.756	7792918	4270746	1978.204	1946.532	
39)	Toxaphene...	8.508	8.823	8204015	7085052	1961.722	1972.083	
40)	Toxaphene...	8.742	9.002	6493295	4224661	2154.951	1991.087	
41)	Toxaphene...	8.812	9.375	7207527	4372411	2043.742	2054.563	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

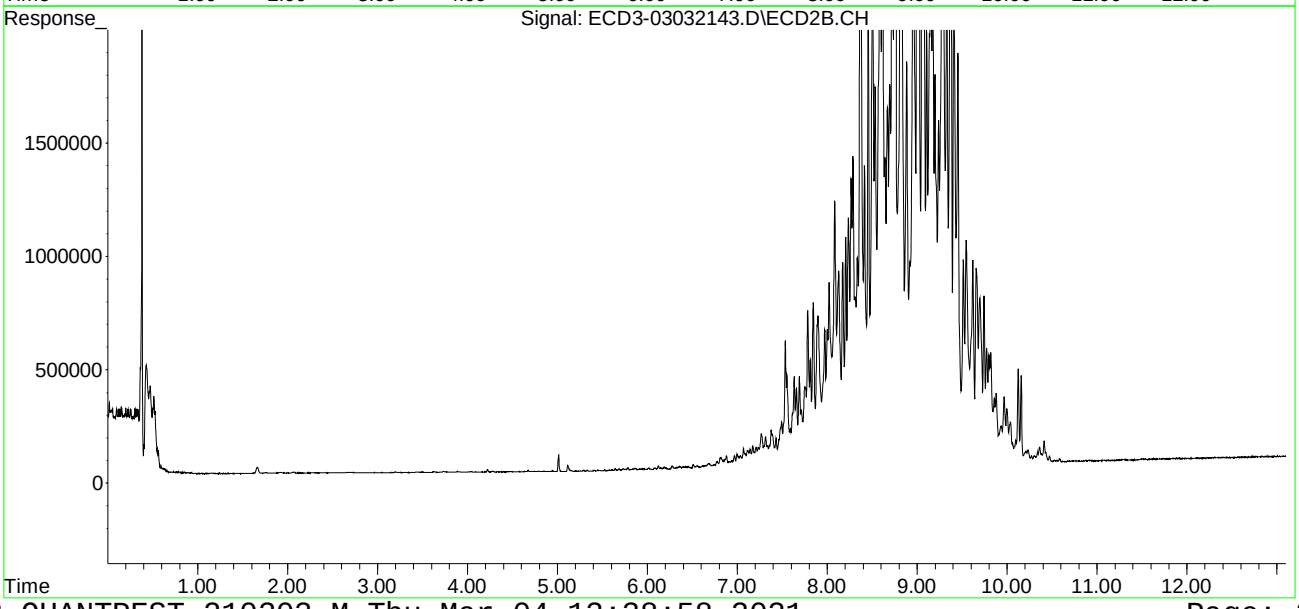
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\REQUANT\
Data File : ECD3-03032143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:16
Operator : MJB
Sample : 1C03049-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:40:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:27:53 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Sequence Name: C:\msdchem\3\sequence\1B03049.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\3\DATA\2021-03\1C03049\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	2	Conditioning Run
Datafile		ECD3-03032101
Method		ECD3_AQUPEST_140312
2) Sample	2	Conditioning Run
Datafile		ECD3-03032102
Method		ECD3_AQUPEST_140312
3) Sample	1	Hexane
Datafile		ECD3-03032103
Method		ECD3_AQUPEST_140312
4) Sample	3	1C03049-BKD1
Datafile		ECD3-03032104
Method		ECD3_AQUPEST_140312
5) Sample	4	1C03049-ICB1
Datafile		ECD3-03032105
Method		ECD3_AQUPEST_140312
6) Sample	5	1C03049-CAL1
Datafile		ECD3-03032106
Method		ECD3_AQUPEST_140312
7) Sample	6	1C03049-CAL2
Datafile		ECD3-03032107
Method		ECD3_AQUPEST_140312
8) Sample	7	1C03049-CAL3
Datafile		ECD3-03032108
Method		ECD3_AQUPEST_140312
9) Sample	8	1C03049-CAL4
Datafile		ECD3-03032109
Method		ECD3_AQUPEST_140312
10) Sample	9	1C03049-CAL5
Datafile		ECD3-03032110
Method		ECD3_AQUPEST_140312
11) Sample	10	1C03049-CAL6
Datafile		ECD3-03032111
Method		ECD3_AQUPEST_140312
12) Sample	11	1C03049-CAL7
Datafile		ECD3-03032112
Method		ECD3_AQUPEST_140312
13) Sample	12	1C03049-CAL8
Datafile		ECD3-03032113
Method		ECD3_AQUPEST_140312
14) Sample	13	1C03049-CAL9

MJB 3/4/21

Last Modified: Wed Mar 03 12:03:04 2021 Page: 1

```
     Datafile          ECD3-03032114
     Method            ECD3_AQUPEST_140312
15) Sample          1  1C03049-IBL1
     Datafile          ECD3-03032115
     Method            ECD3_AQUPEST_140312
16) Sample         14  1C03049-ICV1
     Datafile          ECD3-03032116
     Method            ECD3_AQUPEST_140312
17) Sample         15  1C03049-CALA
     Datafile          ECD3-03032117
     Method            ECD3_AQUPEST_140312
18) Sample         16  1C03049-CALB
     Datafile          ECD3-03032118
     Method            ECD3_AQUPEST_140312
19) Sample         17  1C03049-CALC
     Datafile          ECD3-03032119
     Method            ECD3_AQUPEST_140312
20) Sample         18  1C03049-CALD
     Datafile          ECD3-03032120
     Method            ECD3_AQUPEST_140312
21) Sample         19  1C03049-CALE
     Datafile          ECD3-03032121
     Method            ECD3_AQUPEST_140312
22) Sample         20  1C03049-CALF
     Datafile          ECD3-03032122
     Method            ECD3_AQUPEST_140312
23) Sample         21  1C03049-CALG
     Datafile          ECD3-03032123
     Method            ECD3_AQUPEST_140312
24) Sample         22  1C03049-CALH
     Datafile          ECD3-03032124
     Method            ECD3_AQUPEST_140312
25) Sample         23  1C03049-CALI
     Datafile          ECD3-03032125
     Method            ECD3_AQUPEST_140312
26) Sample          1  1C03049-IBL2
     Datafile          ECD3-03032126
     Method            ECD3_AQUPEST_140312
27) Sample         24  1C03049-ICV2
     Datafile          ECD3-03032127
     Method            ECD3_AQUPEST_140312
28) Sample         25  1C03049-CALJ
     Datafile          ECD3-03032128
     Method            ECD3_AQUPEST_140312
29) Sample         26  1C03049-CALK
     Datafile          ECD3-03032129
     Method            ECD3_AQUPEST_140312
30) Sample         27  1C03049-CALL
     Datafile          ECD3-03032130
     Method            ECD3_AQUPEST_140312
31) Sample         28  1C03049-CALM
     Datafile          ECD3-03032131
     Method            ECD3_AQUPEST_140312
32) Sample         29  1C03049-CALN
     Datafile          ECD3-03032132
     Method            ECD3_AQUPEST_140312
```

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33) Sample        30  1C03049-CALO
     Datafile         ECD3-03032133
     Method           ECD3_AQUPEST_140312
34) Sample        31  1C03049-CALP
     Datafile         ECD3-03032134
     Method           ECD3_AQUPEST_140312
35) Sample         1  1C03049-IBL3
     Datafile         ECD3-03032135
     Method           ECD3_AQUPEST_140312
36) Sample        32  1C03049-ICV3
     Datafile         ECD3-03032136
     Method           ECD3_AQUPEST_140312
37) Sample        33  1C03049-CALQ
     Datafile         ECD3-03032137
     Method           ECD3_AQUPEST_140312
38) Sample        34  1C03049-CALR
     Datafile         ECD3-03032138
     Method           ECD3_AQUPEST_140312
39) Sample        35  1C03049-CALS
     Datafile         ECD3-03032139
     Method           ECD3_AQUPEST_140312
40) Sample        36  1C03049-CALT
     Datafile         ECD3-03032140
     Method           ECD3_AQUPEST_140312
41) Sample        37  1C03049-CALU
     Datafile         ECD3-03032141
     Method           ECD3_AQUPEST_140312
42) Sample        38  1C03049-CALV
     Datafile         ECD3-03032142
     Method           ECD3_AQUPEST_140312
43) Sample        39  1C03049-CALW
     Datafile         ECD3-03032143
     Method           ECD3_AQUPEST_140312
```

Sequence Name: C:\msdchem\3\sequence\1B03049.s

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	1	1C03049-IBL4		
	Datafile		ECD3-03032144		
	Method			ECD3_AQUPEST_140312	
45)	Sample	40	1C03049-ICV4		
	Datafile		ECD3-03032145		
	Method			ECD3_AQUPEST_140312	

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1C03049 BKD1
Data File: ECD3-03032104.D

MJB 3/4/21

First Column Area Counts		Percent Breakdown	
DDE	861412		
DDD	5640727		
DDT	140665069	**4.42**	**PASS**
Endrin	78203317	**9.61**	**PASS**
Endrin Aldehyde	1927436		
Endrin Ketone	6388398		

Second Column Area Counts		Percent Breakdown	
DDE	526451		
DDD	3957931		
DDT	72194545	**5.85**	**PASS**
Endrin	44608110	**9.53**	**PASS**
Endrin Aldehyde	1300428		
Endrin Ketone	3399007		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:06
Operator : MJB
Sample : 1C03049-BKD1
Misc : A20K279
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 13:23:40 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210303.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

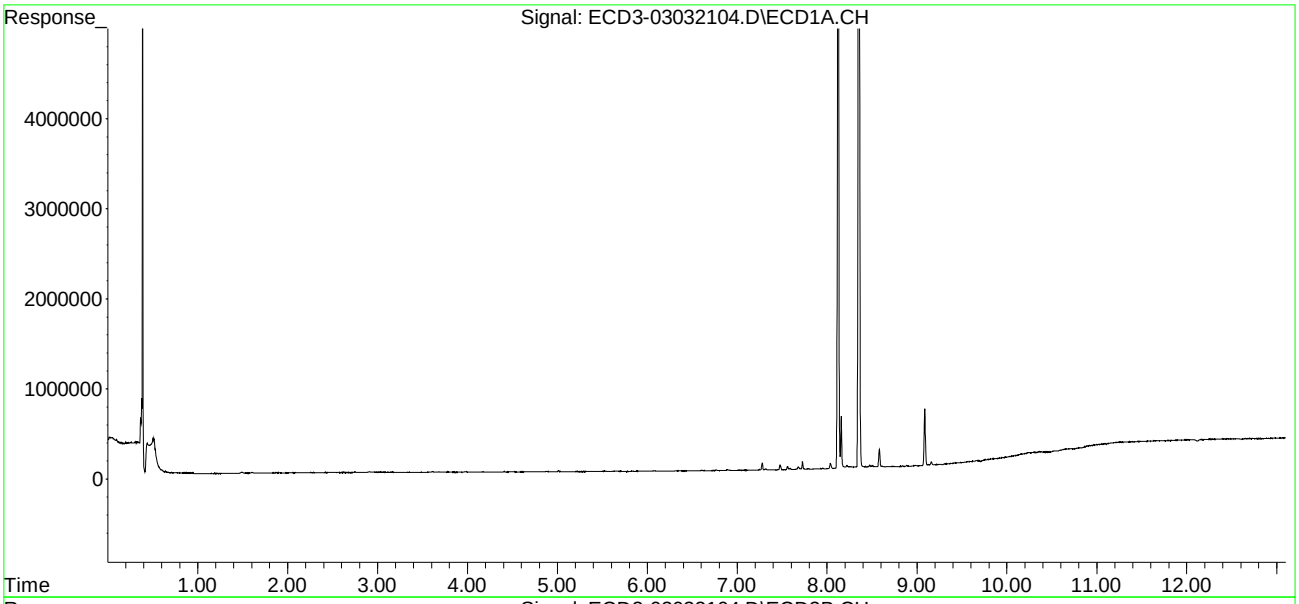
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.725	861412	NoCal	ng/mL
2)	Endrin	8.121	78203317	NoCal	ng/mL
3)	4,4'-DDD	8.156	5640727	NoCal	ng/mL
4)	4,4'-DDT	8.353	140665069	NoCal	ng/mL
5)	Endrin Aldehyde	8.579	1927436	NoCal	ng/mL
6)	Endrin Ketone	9.084	6388398	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.250	526451	NoCal	ng/mL
9)	Endrin [2C]	8.621	44608110	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.664	3957931	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	9.004	1300428	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.890	72194545	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.590	3399007	NoCal	ng/mL

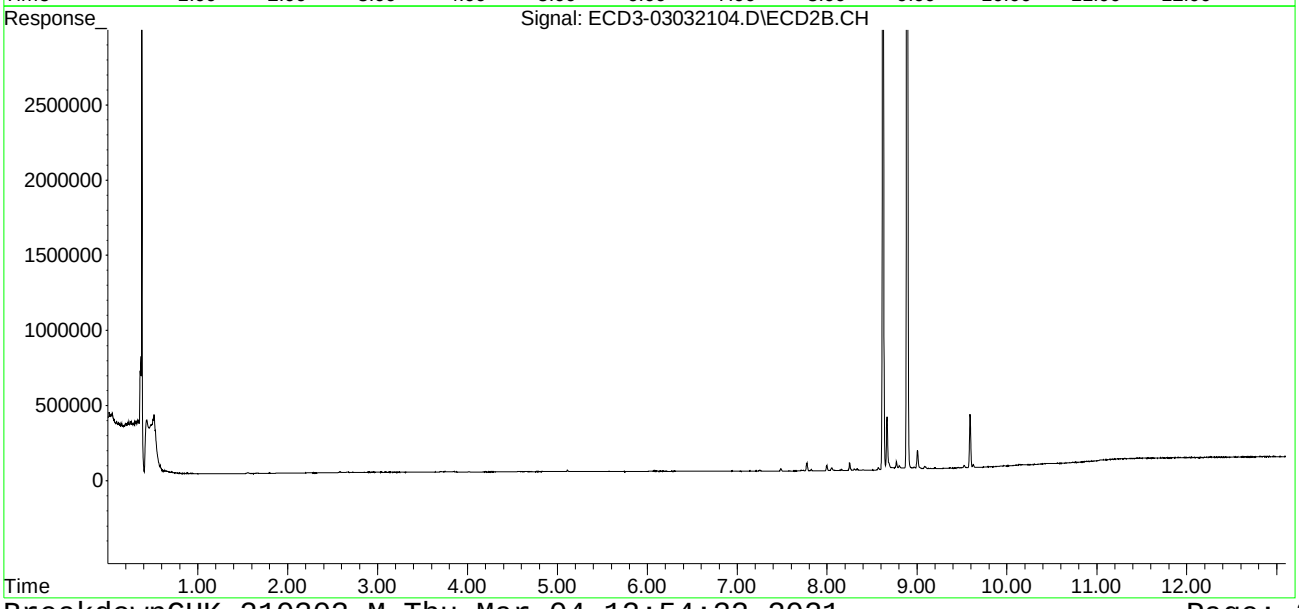
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:06
Operator : MJB
Sample : 1C03049-BKD1
Misc : A20K279
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 13:23:40 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_210303.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1 MJB 3/4/21
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:00:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.915	122405	79322	0.609	0.519
22) S	DCBP (S)	9.753	10.434	84415	48386	0.439	0.616 #
	Target Compounds						
2)	a-BHC	6.086	6.512	150749	100492	0.564	0.621
3)	g-BHC	6.373	6.828	138660	89839	0.597	0.633
4)	b-BHC	6.453	6.893	84948	54171	0.652	0.641
5)	Heptachlor	6.771	7.201	131070	77250	0.603	0.484
6)	d-BHC	6.605	7.142	146016	95191	0.618	0.571
7)	Aldrin	7.013	7.465	127269	79524	0.595	0.637
8)	Heptachlo...	7.484	7.900	137846	82214	0.689	0.582
9)	trans-Chl...	7.577	8.040	133413	86950	0.647	0.635
10)	cis-Chlor...	7.674	8.148	147803	84296	0.744	0.604
11)	Endosulfa...	7.777	8.197	127176	76329	0.692	0.611
12)	4,4'-DDE	7.725	8.249	138039	84680	0.669	0.717
13)	Dieldrin	7.951	8.396	137692	81126	0.675	0.694
14)	Endrin	8.121	8.621	104871	58438	0.629	0.637
15)	4,4'-DDD	8.155	8.664	123021	71038	0.705	0.730
16)	Endosulfa...	8.282	8.767	117739	70881	0.720	0.634
17)	4,4'-DDT	8.352	8.889	81474	43446	0.550	0.554
18)	Endrin Al...	8.578	9.004	149541	87031	0.543	0.492
19)	Endosulfa...	8.884	9.197	118407	67312	0.591	0.571
20)	Methoxychlor	8.683	9.356	49222	25051	0.543	0.608
21)	Endrin Ke...	9.084	9.584	126480	149307	0.700	1.426 #
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Curve point was not used in calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:00:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

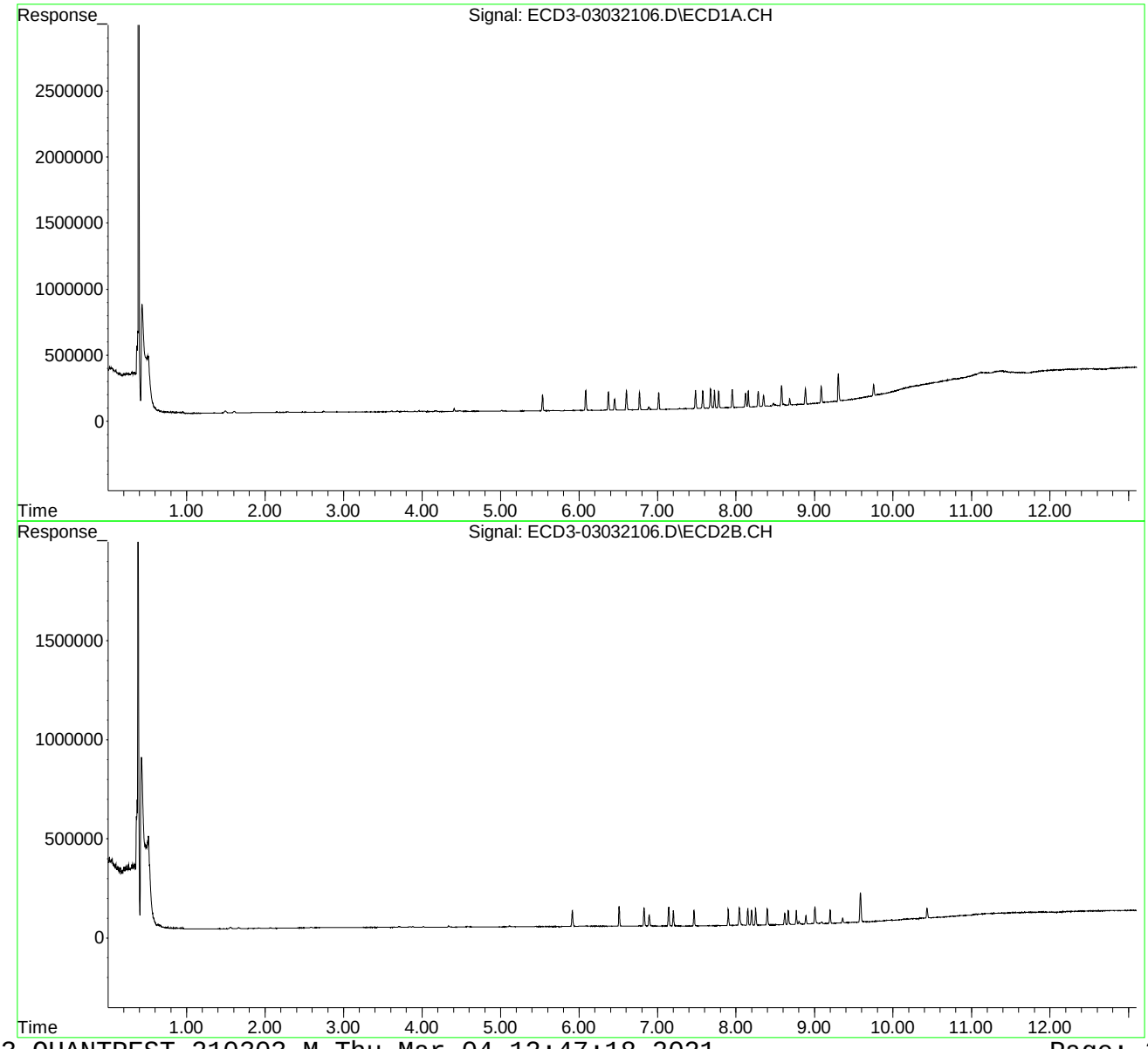
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:40
Operator : MJB
Sample : 1C03049-CAL1
Misc : A21C048, AB 0.5 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:00:04 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:58
Operator : MJB
Sample : 1C03049-CAL2
Misc : A21C049, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:00:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.915	228762	149822	1.138	1.121
22) S	DCBP (S)	9.752	10.433	160913	94242	1.057	1.359
	Target Compounds						
2)	a-BHC	6.086	6.512	286126	188269	1.071	1.163
3)	g-BHC	6.373	6.828	255288	162937	1.100	1.147
4)	b-BHC	6.453	6.893	137531	88645	1.176	1.188
5)	Heptachlor	6.771	7.201	236835	143228	1.090	1.028
6)	d-BHC	6.604	7.142	256379	166006	1.085	1.094
7)	Aldrin	7.013	7.465	241011	149268	1.127	1.196
8)	Heptachlo...	7.484	7.901	240418	146803	1.202	1.167
9)	trans-Chl...	7.576	8.041	238383	147331	1.157	1.176
10)	cis-Chlor...	7.674	8.148	245270	141366	1.235	1.136
11)	Endosulfa...	7.777	8.197	218264	130866	1.188	1.156
12)	4,4'-DDE	7.725	8.250	241007	145975	1.169	1.236
13)	Dieldrin	7.951	8.396	229841	142399	1.127	1.218
14)	Endrin	8.120	8.621	180881	102744	1.085	1.120
15)	4,4'-DDD	8.155	8.664	207531	121812	1.189	1.252
16)	Endosulfa...	8.282	8.768	194279	118879	1.189	1.172
17)	4,4'-DDT	8.351	8.889	144756	74671	0.977	0.953
18)	Endrin Al...	8.578	9.003	251804	144733	1.358	1.299
19)	Endosulfa...	8.884	9.197	193595	106818	1.080	1.023
20)	Methoxychlor	8.683	9.356	85340	44872	1.048	1.088
21)	Endrin Ke...	9.083	9.586	211370	149932	1.170	1.433
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:58
Operator : MJB
Sample : 1C03049-CAL2
Misc : A21C049, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:00:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

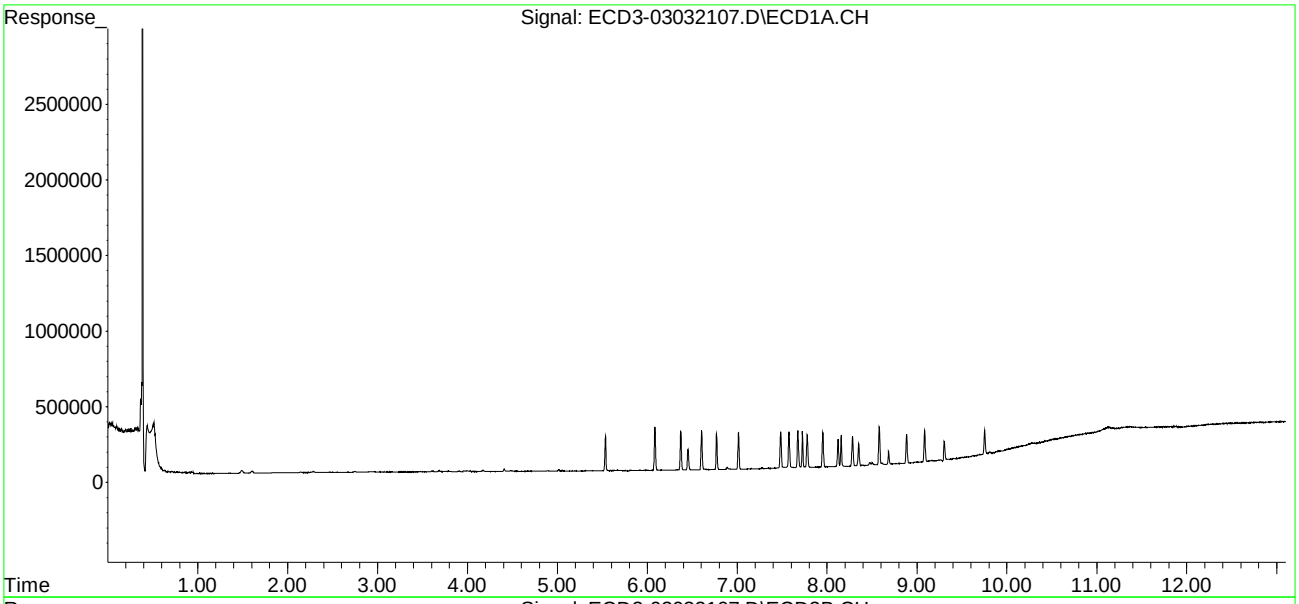
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

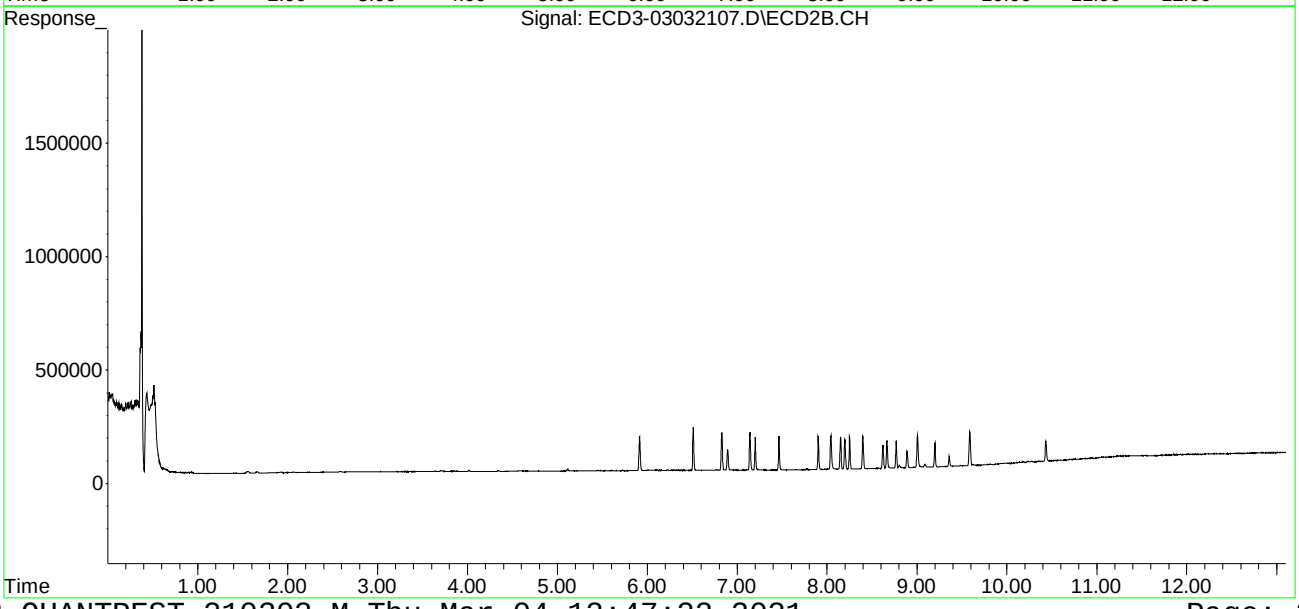
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 13:58
Operator : MJB
Sample : 1C03049-CAL2
Misc : A21C049, AB 1 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:00:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:15
Operator : MJB
Sample : 1C03049-CAL3 MJB 3/4/21
Misc : A21B419, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:01:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.914	440498	286863	2.192	2.292
22) S	DCBP (S)	9.751	10.432	301433	161847	2.193	2.454
	Target Compounds						
2)	a-BHC	6.086	6.511	560005	366504	2.096	2.263
3)	g-BHC	6.372	6.827	500623	325458	2.157	2.292
4)	b-BHC	6.452	6.893	245264	159640	2.250	2.315
5)	Heptachlor	6.770	7.201	466868	274667	2.149	2.111
6)	d-BHC	6.604	7.142	499343	313225	2.113	2.183
7)	Aldrin	7.013	7.464	476567	295029	2.228	2.364
8)	Heptachlo...	7.483	7.900	444512	263502	2.223	2.226
9)	trans-Chl...	7.576	8.040	451777	271141	2.193	2.285
10)	cis-Chlor...	7.673	8.147	443191	263379	2.232	2.275
11)	Endosulfa...	7.777	8.197	413783	243583	2.251	2.284
12)	4,4'-DDE	7.724	8.250	453517	274173	2.199	2.321
13)	Dieldrin	7.951	8.396	440393	272537	2.160	2.331
14)	Endrin	8.120	8.620	355354	201828	2.131	2.200
15)	4,4'-DDD	8.155	8.664	384263	224856	2.202	2.311
16)	Endosulfa...	8.281	8.767	362133	217562	2.216	2.280
17)	4,4'-DDT	8.351	8.889	275901	144134	1.861	1.839
18)	Endrin Al...	8.577	9.003	456374	263429	2.987	2.959
19)	Endosulfa...	8.883	9.197	357071	197521	2.145	2.063
20)	Methoxychlor	8.683	9.356	159233	81986	2.080	1.988
21)	Endrin Ke...	9.083	9.588	377369	215120	2.089	2.139
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:15
Operator : MJB
Sample : 1C03049-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:01:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

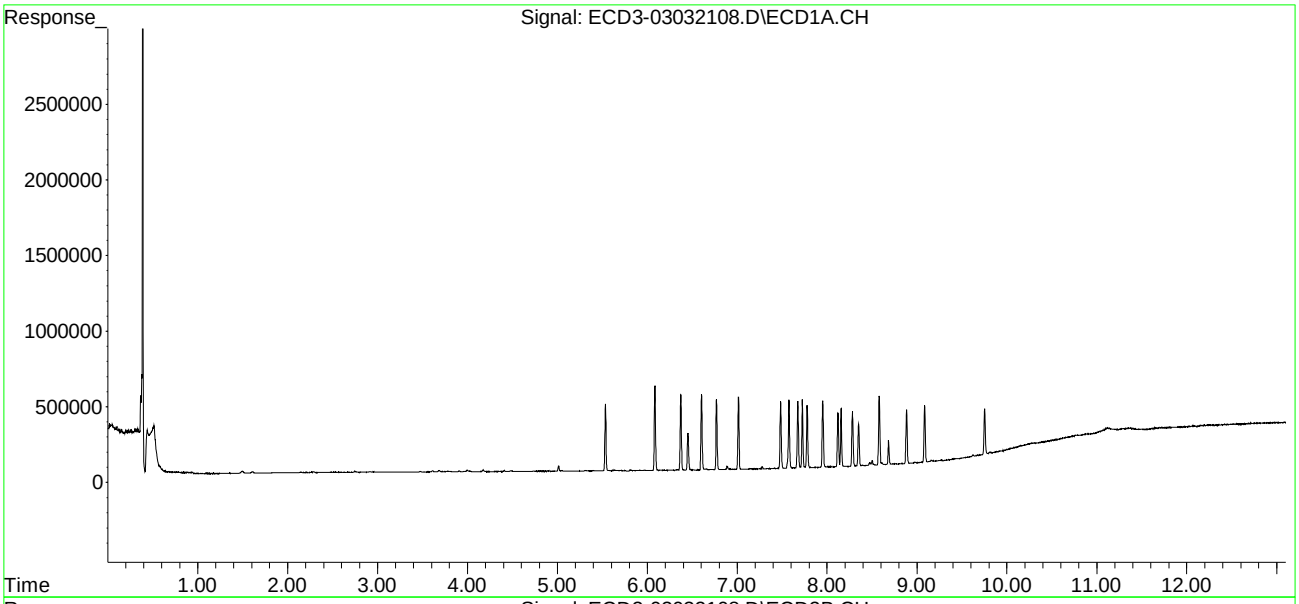
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

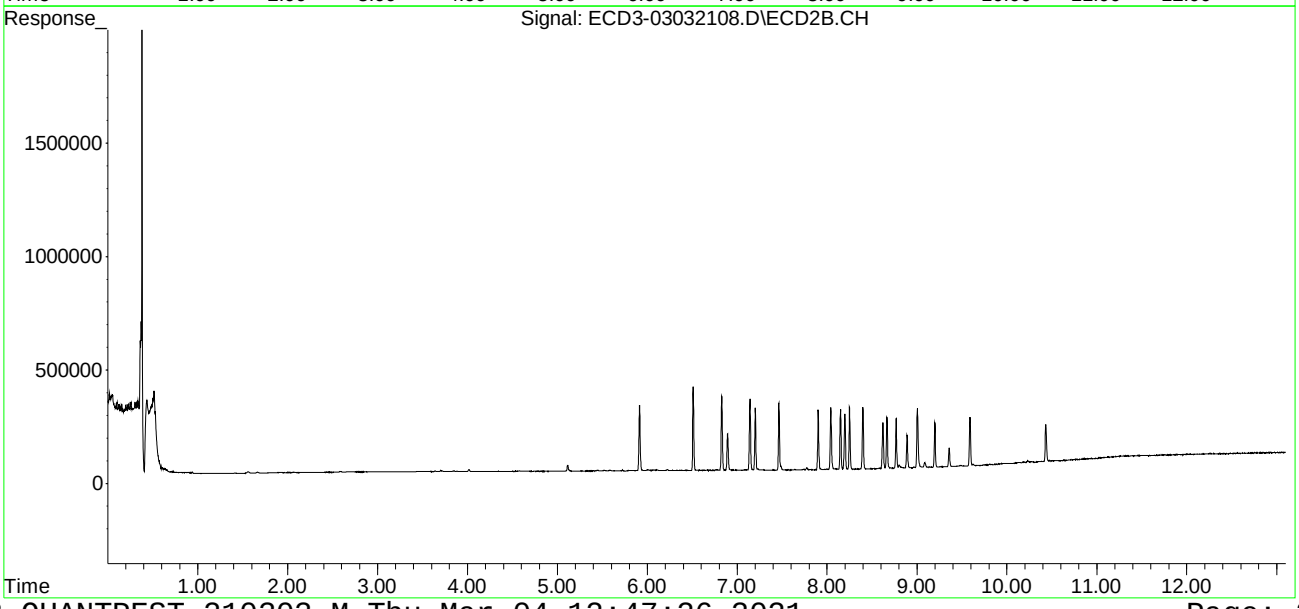
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:15
Operator : MJB
Sample : 1C03049-CAL3
Misc : A21B419, AB 2 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:01:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:32
Operator : MJB
Sample : 1C03049-CAL4 MJB 3/4/21
Misc : A21B420, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:01:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.915	1017094	646369	5.061	5.370
22) S	DCBP (S)	9.752	10.433	671096	361705	5.181	5.699
	Target Compounds						
2)	a-BHC	6.086	6.512	1394908	874714	5.220	5.402
3)	g-BHC	6.372	6.828	1198904	750524	5.165	5.285
4)	b-BHC	6.452	6.893	546030	352524	5.249	5.386
5)	Heptachlor	6.770	7.201	1094470	640436	5.037	5.128
6)	d-BHC	6.604	7.142	1154442	724399	4.886	5.227
7)	Aldrin	7.013	7.465	1114071	709135	5.209	5.681
8)	Heptachlo...	7.483	7.901	1028826	620313	5.145	5.468
9)	trans-Chl...	7.576	8.040	1034352	623141	5.020	5.442
10)	cis-Chlor...	7.673	8.148	1025938	602875	5.166	5.448
11)	Endosulfa...	7.777	8.197	941971	567267	5.125	5.526
12)	4,4'-DDE	7.724	8.249	1057670	645867	5.129	5.467
13)	Dieldrin	7.950	8.396	1036003	631857	5.082	5.403
14)	Endrin	8.120	8.620	813503	457195	4.879	4.983
15)	4,4'-DDD	8.155	8.664	890849	513928	5.105	5.281
16)	Endosulfa...	8.281	8.767	811385	495212	4.965	5.399
17)	4,4'-DDT	8.351	8.889	659864	347868	4.452	4.439
18)	Endrin Al...	8.577	9.003	784200	455904	5.592	5.650
19)	Endosulfa...	8.884	9.198	788924	426679	4.960	4.692
20)	Methoxychlor	8.683	9.356	360562	187739	4.890	4.553
21)	Endrin Ke...	9.083	9.588	868113	480262	4.805	5.011
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:32
Operator : MJB
Sample : 1C03049-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:01:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

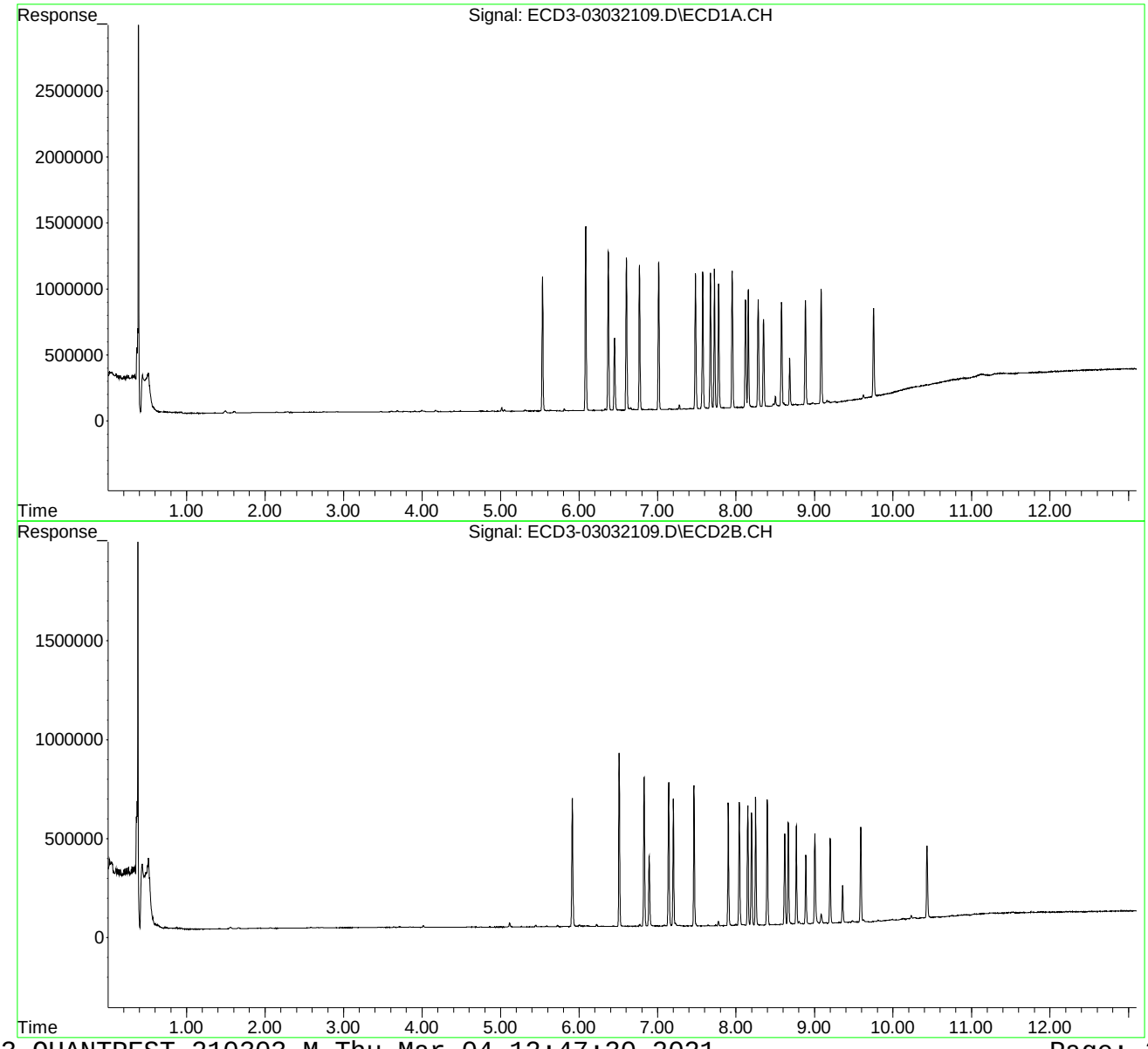
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:32
Operator : MJB
Sample : 1C03049-CAL4
Misc : A21B420, AB 5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:01:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:49
Operator : MJB
Sample : 1C03049-CAL5 MJB 3/4/21
Misc : A21B421, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:02:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.915	1976336	1264821	9.833	10.683
22) S	DCBP (S)	9.751	10.434	1298707	703762	10.248	11.270
	Target Compounds						
2)	a-BHC	6.086	6.512	2685873	1759414	10.052	10.865
3)	g-BHC	6.372	6.828	2363785	1487372	10.184	10.473
4)	b-BHC	6.452	6.893	1056287	676550	10.344	10.570
5)	Heptachlor	6.770	7.201	2108105	1240121	9.703	10.082
6)	d-BHC	6.604	7.142	2266595	1431060	9.592	10.474
7)	Aldrin	7.013	7.464	2219103	1404354	10.376	11.251
8)	Heptachlo...	7.483	7.901	2031891	1226883	10.162	10.993
9)	trans-Chl...	7.575	8.040	2090794	1245877	10.147	11.041
10)	cis-Chlor...	7.674	8.148	1992205	1199141	10.032	11.038
11)	Endosulfa...	7.777	8.197	1875275	1107667	10.204	10.951
12)	4,4'-DDE	7.724	8.249	2105403	1282240	10.210	10.855
13)	Dieldrin	7.950	8.396	2053529	1261577	10.073	10.788
14)	Endrin	8.120	8.620	1562067	891907	9.368	9.721
15)	4,4'-DDD	8.154	8.664	1783064	1041274	10.218	10.700
16)	Endosulfa...	8.281	8.768	1602539	985486	9.805	10.913
17)	4,4'-DDT	8.351	8.889	1348615	696456	9.099	8.887
18)	Endrin Al...	8.577	9.003	1446289	836607	10.838	10.971
19)	Endosulfa...	8.883	9.197	1547821	877340	9.906	9.865
20)	Methoxychlor	8.683	9.356	702643	376089	9.655	9.121
21)	Endrin Ke...	9.082	9.589	1711839	963932	9.475	10.242
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:49
Operator : MJB
Sample : 1C03049-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:02:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

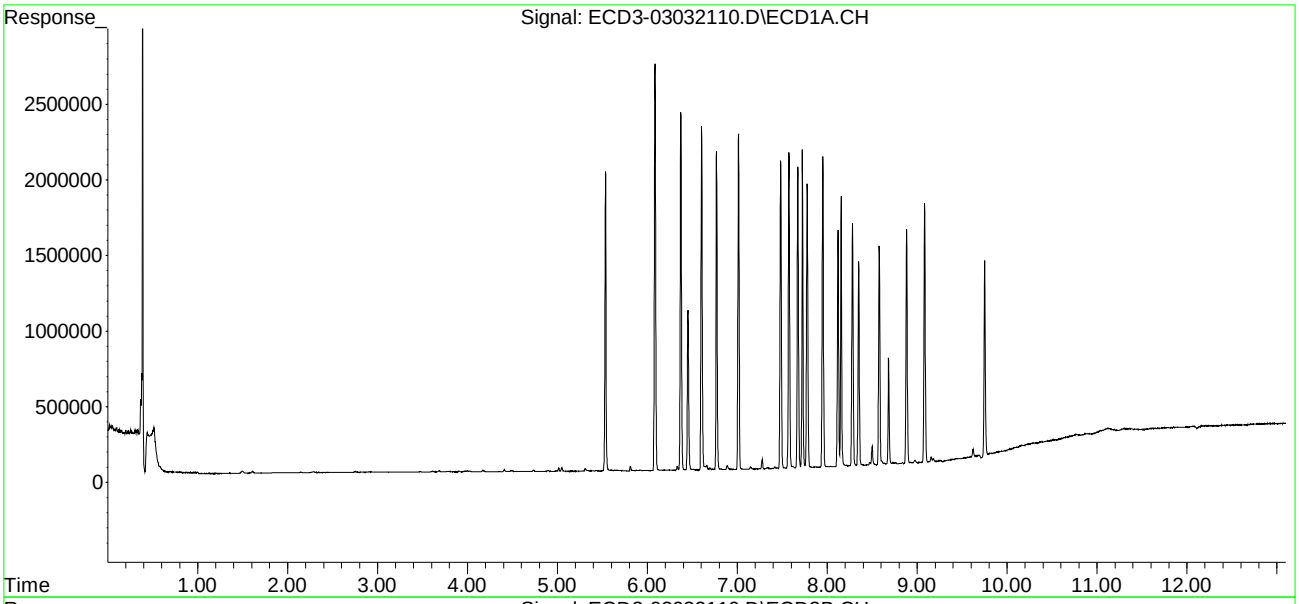
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

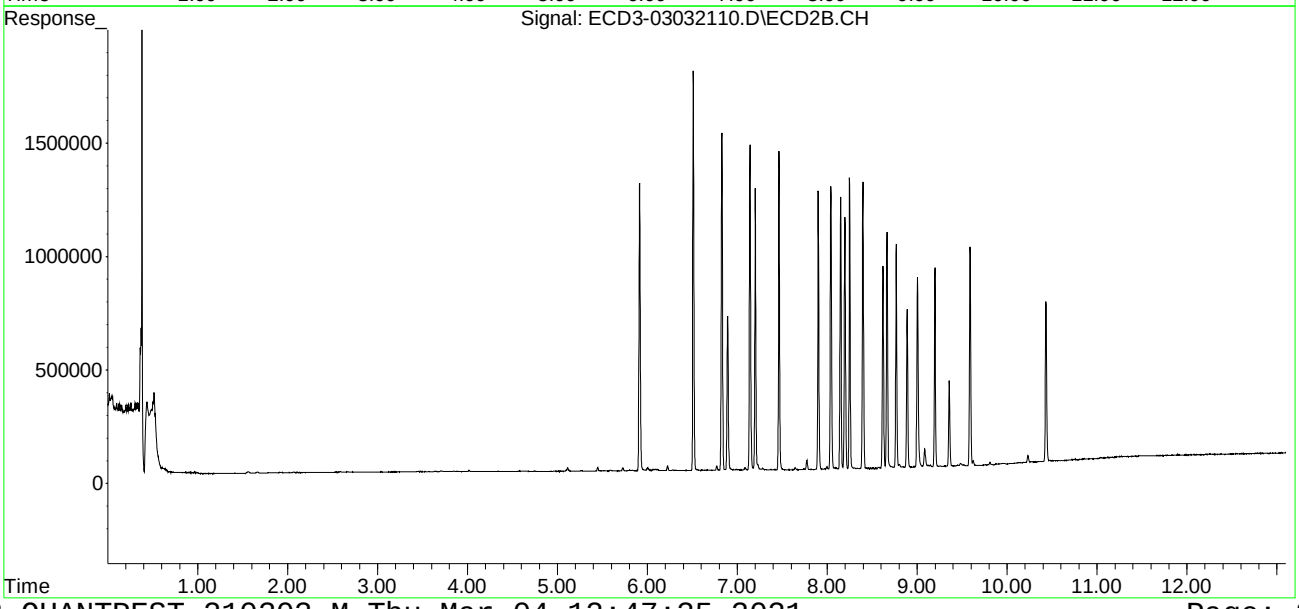
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 14:49
Operator : MJB
Sample : 1C03049-CAL5
Misc : A21B421, AB 10 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:02:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:07
Operator : MJB
Sample : 1C03049-CAL6 MJB 3/4/21
Misc : A21B422, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:03:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.534	5.915	4786626	3065643	23.816	26.295
22) S	DCBP (S)	9.752	10.433	3157861	1661484	25.226	26.993
	Target Compounds						
2)	a-BHC	6.087	6.512	6624579	4221845	24.793	26.072
3)	g-BHC	6.373	6.829	5629561	3542980	24.255	24.947
4)	b-BHC	6.452	6.893	2489991	1603476	24.699	25.582
5)	Heptachlor	6.771	7.202	4986220	2954729	22.950	24.309
6)	d-BHC	6.604	7.142	5505321	3454011	23.299	25.598
7)	Aldrin	7.013	7.465	5408989	3313892	25.292	26.549
8)	Heptachlo...	7.484	7.901	4722071	2913769	23.616	26.449
9)	trans-Chl...	7.576	8.040	4985540	3031837	24.196	27.184
10)	cis-Chlor...	7.674	8.148	4793797	2857724	24.139	26.711
11)	Endosulfa...	7.777	8.197	4396364	2713631	23.922	27.170
12)	4,4'-DDE	7.725	8.250	5127047	3155365	24.863	26.711
13)	Dieldrin	7.950	8.397	4928762	3048843	24.177	26.071
14)	Endrin	8.120	8.621	3745332	2128741	22.462	23.202
15)	4,4'-DDD	8.155	8.664	4342982	2500797	24.889	25.697
16)	Endosulfa...	8.281	8.768	3774043	2358030	23.092	26.397
17)	4,4'-DDT	8.351	8.890	3326826	1769325	22.446	22.577
18)	Endrin Al...	8.577	9.003	3332867	1893449	25.658	25.726
19)	Endosulfa...	8.883	9.197	3661221	2087801	23.691	23.784
20)	Methoxychlor	8.683	9.356	1690671	894943	23.360	21.703
21)	Endrin Ke...	9.083	9.589	4127286	2360616	22.844	25.301
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:07
Operator : MJB
Sample : 1C03049-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:03:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

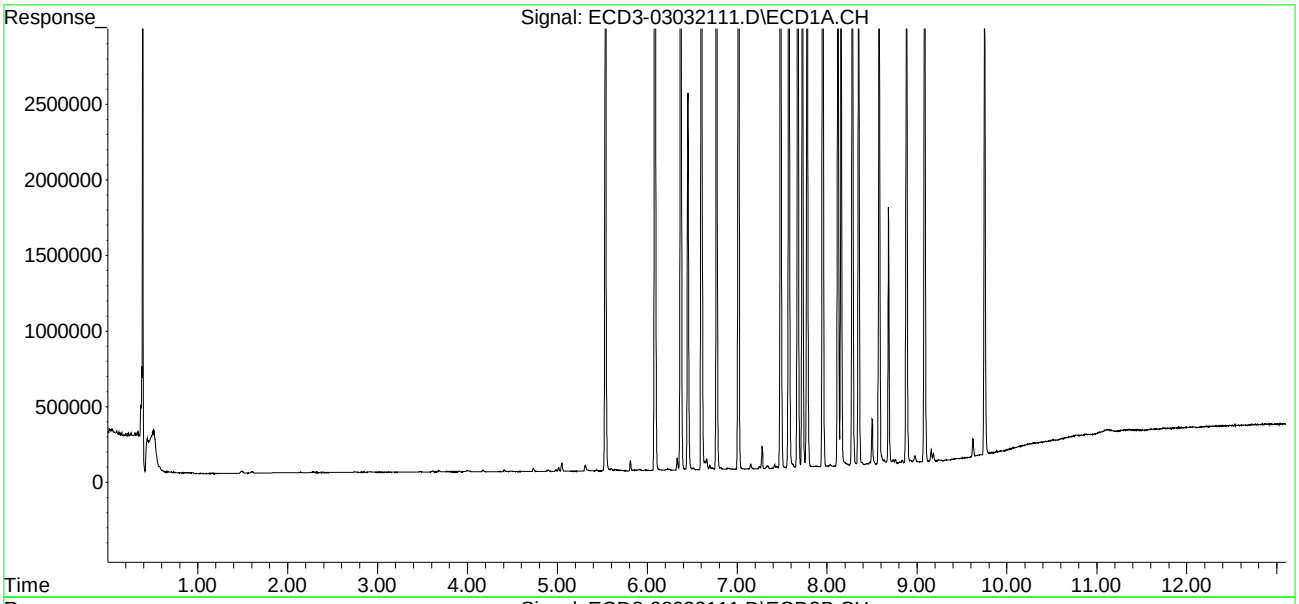
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

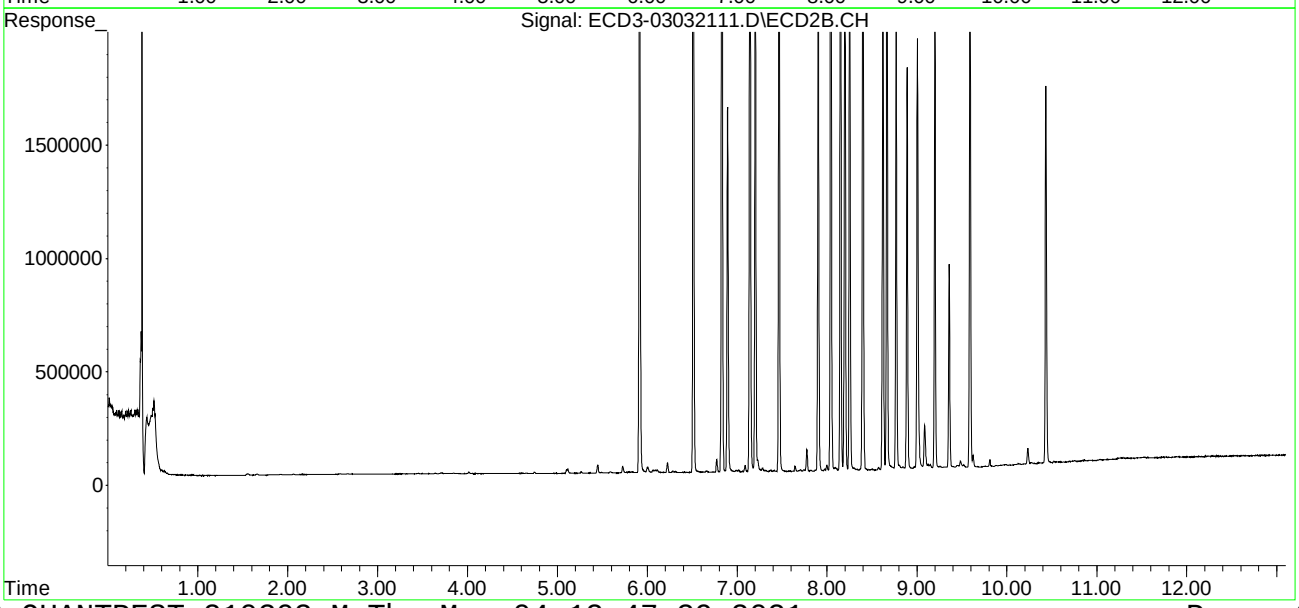
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:07
Operator : MJB
Sample : 1C03049-CAL6
Misc : A21B422, AB 25 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:03:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:24
Operator : MJB
Sample : 1C03049-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 15:58:30 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Feb 03 12:03:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.535	5.915	9581543	6053804	47.673	52.681
22) S	DCBP (S)	9.751	10.433	6390595	3389378	51.153	55.844
	Target Compounds						
2)	a-BHC	6.087	6.512	13409144	8231926	50.184	50.837
3)	g-BHC	6.373	6.828	11621939	7240293	50.073	50.982
4)	b-BHC	6.452	6.893	5071220	3215871	50.696	52.376
5)	Heptachlor	6.770	7.201	10356699	6158283	47.668	51.133
6)	d-BHC	6.603	7.141	11432325	7155385	48.383	53.681
7)	Aldrin	7.012	7.464	11000103	6683567	51.436	53.545
8)	Heptachlo...	7.483	7.900	9484434	5857927	47.433	53.764
9)	trans-Chl...	7.575	8.040	10264375	6094832	49.815	55.184
10)	cis-Chlor...	7.673	8.147	9787486	5804014	49.284	55.011
11)	Endosulfa...	7.776	8.196	8967245	5494595	48.793	55.601
12)	4,4'-DDE	7.724	8.249	10475153	6409479	50.797	54.259
13)	Dieldrin	7.950	8.396	10135200	6227384	49.716	53.252
14)	Endrin	8.119	8.620	7964411	4482861	47.765	48.860
15)	4,4'-DDD	8.154	8.663	8993648	5156486	51.541	52.985
16)	Endosulfa...	8.280	8.767	7892131	4907536	48.289	55.341
17)	4,4'-DDT	8.351	8.889	7392909	3895954	49.879	49.713
18)	Endrin Al...	8.577	9.003	6890878	3992684	53.124	54.963
19)	Endosulfa...	8.883	9.197	7616190	4377588	49.526	50.218
20)	Methoxychlor	8.682	9.355	3669494	2009344	50.546	48.729
21)	Endrin Ke...	9.082	9.588	8414158	4822483	46.572	51.673
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:24
Operator : MJB
Sample : 1C03049-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 15:58:30 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Feb 03 12:03:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

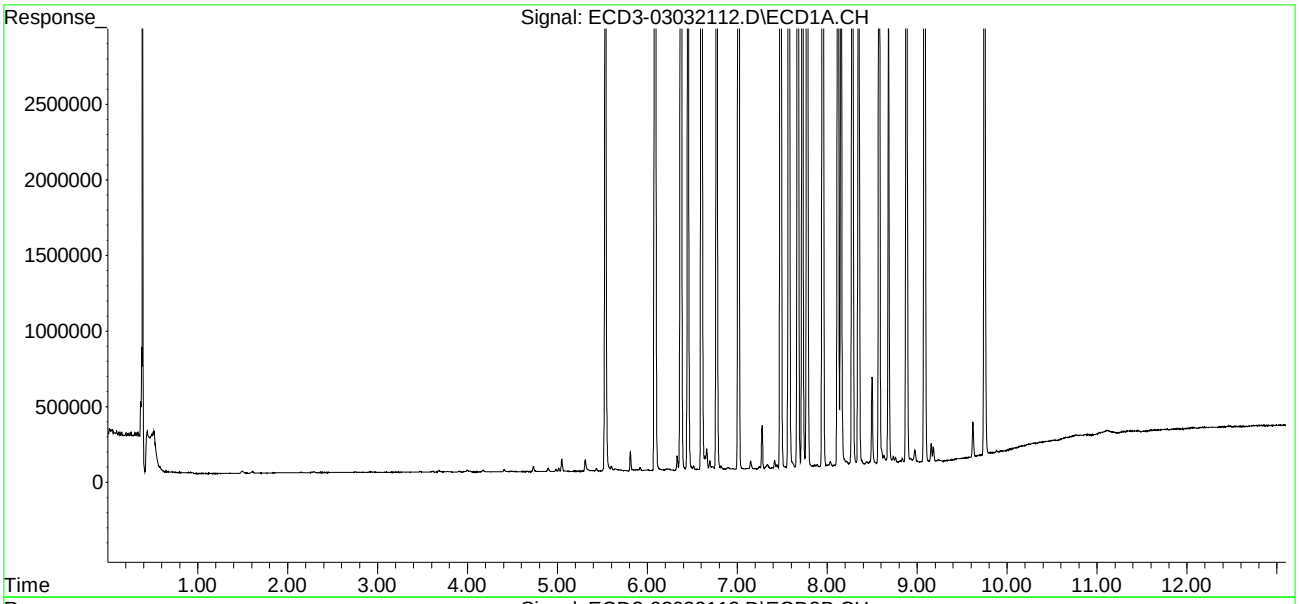
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

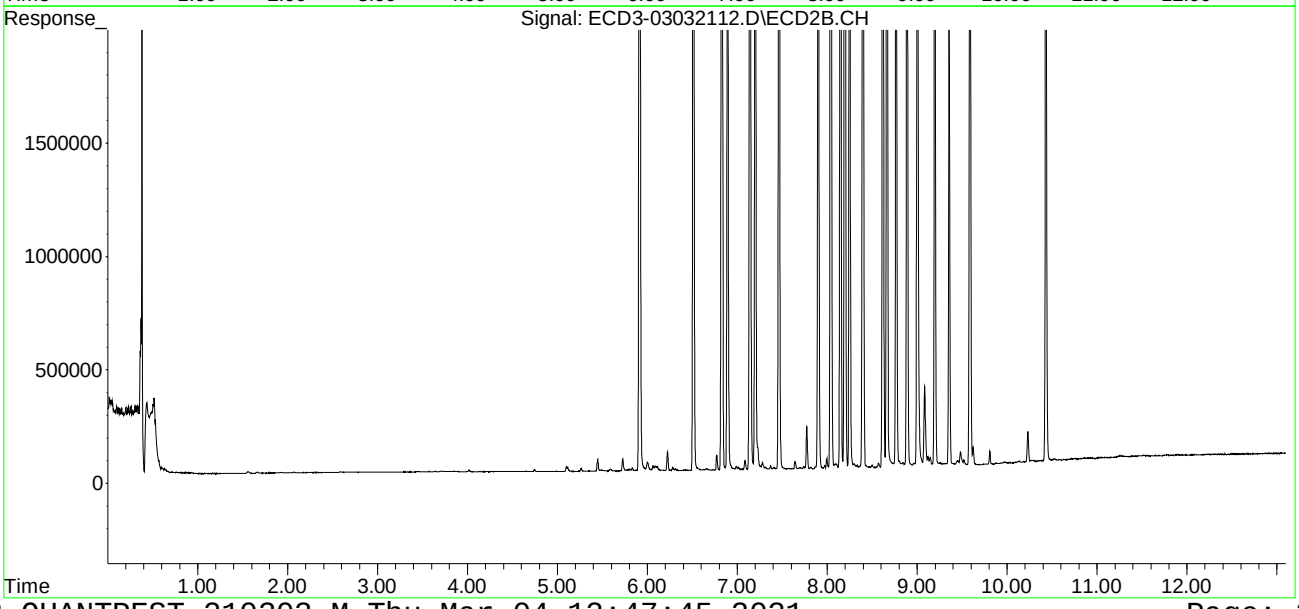
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:24
Operator : MJB
Sample : 1C03049-CAL7
Misc : A21B423, AB 50 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 15:58:30 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Feb 03 12:03:50 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:41
Operator : MJB
Sample : 1C03049-CAL8 MJB 3/4/21
Misc : A21B424, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:03:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.535	5.915	19220970	11735598	95.635	104.649
22) S	DCBP (S)	9.752	10.433	12282249	6760110	98.032	114.068
	Target Compounds						
2)	a-BHC	6.087	6.512	26996327	16298936	101.034	100.655
3)	g-BHC	6.373	6.828	23591201	13839151	101.642	97.447
4)	b-BHC	6.452	6.893	9989550	6207178	100.785	104.664
5)	Heptachlor	6.771	7.201	20490735	12109770	94.312	101.844
6)	d-BHC	6.604	7.142	22833506	13967851	96.633	106.853
7)	Aldrin	7.013	7.465	21644580	13087632	101.209	104.850
8)	Heptachlo...	7.483	7.901	18484480	11361543	92.444	106.038
9)	trans-Chl...	7.575	8.040	20280125	11877529	98.424	109.182
10)	cis-Chlor...	7.673	8.148	19500890	11368069	98.195	110.184
11)	Endosulfa...	7.777	8.197	17435491	10773071	94.870	110.843
12)	4,4'-DDE	7.725	8.250	20923729	12227832	101.466	103.513
13)	Dieldrin	7.951	8.396	20092854	12072959	98.560	103.239
14)	Endrin	8.120	8.620	15527427	8992921	93.122	98.017
15)	4,4'-DDD	8.155	8.664	17527198	10230981	100.445	105.128
16)	Endosulfa...	8.281	8.767	15518714	9548387	94.954	108.660
17)	4,4'-DDT	8.351	8.889	15266202	8160273	102.999	104.126
18)	Endrin Al...	8.577	9.003	13707734	7831997	104.104	108.195
19)	Endosulfa...	8.883	9.197	15151578	8910882	98.888	102.955
20)	Methoxychlor	8.683	9.356	7413230	4155882	101.063	100.785
21)	Endrin Ke...	9.083	9.589	16989945	9762073	94.039	103.951
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:41
Operator : MJB
Sample : 1C03049-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:03:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

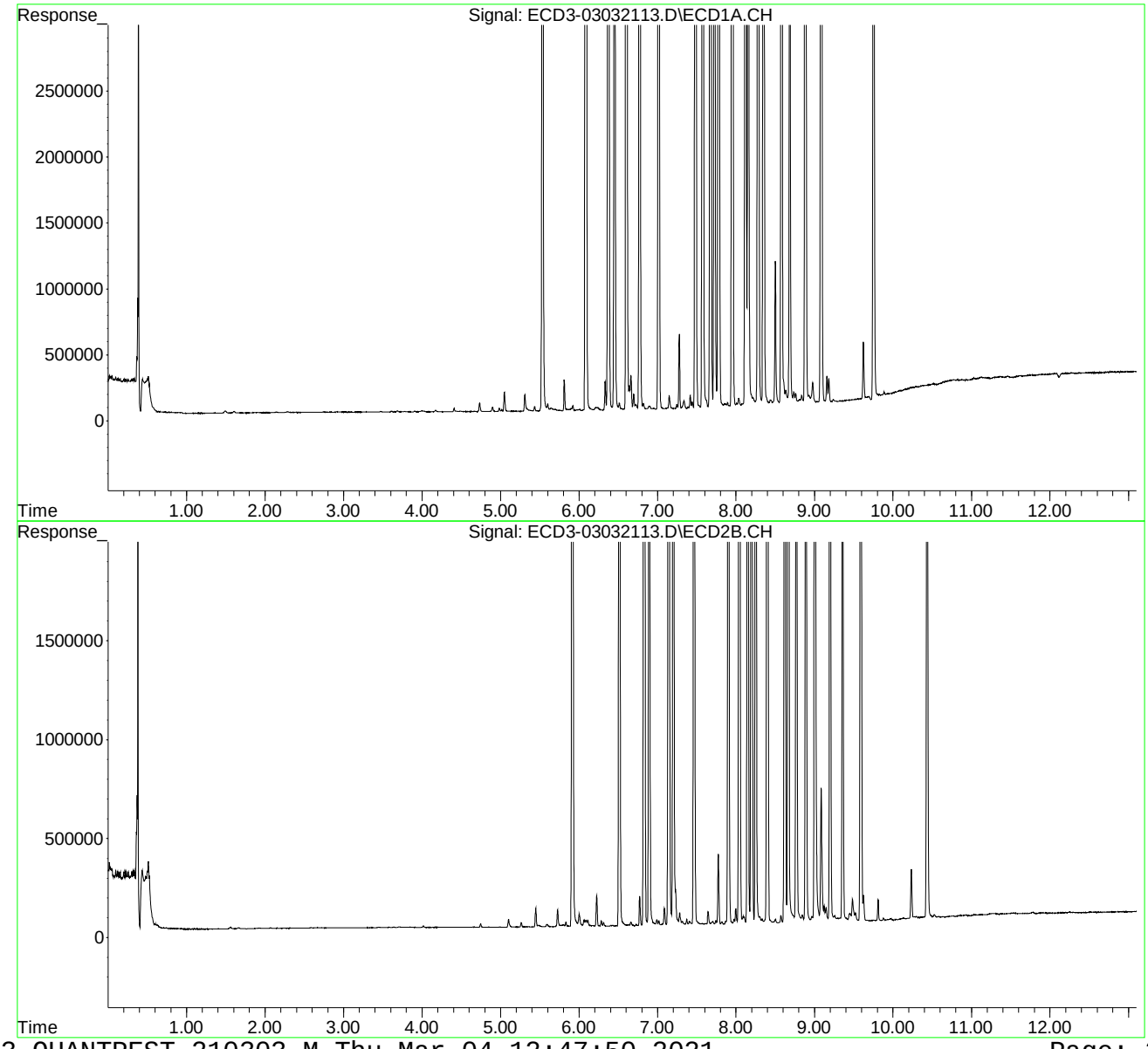
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:41
Operator : MJB
Sample : 1C03049-CAL8
Misc : A21B424, AB 100 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:03:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:58
Operator : MJB
Sample : 1C03049-CAL9 MJB 3/4/21
Misc : A21B418, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:12:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.535	5.916	38236057	23039578	190.245	216.408
22) S	DCBP (S)	9.751	10.432	26212916	13238936	207.036	234.504
	Target Compounds						
2)	a-BHC	6.087	6.512	54142028	31103499	202.627	192.082
3)	g-BHC	6.373	6.828	47150369	26704939	203.147	188.040
4)	b-BHC	6.452	6.893	20349527	12415571	208.801	227.256
5)	Heptachlor	6.771	7.202	41323584	23875495	190.198	205.745
6)	d-BHC	6.603	7.142	46436514	26768523	196.523	212.711
7)	Aldrin	7.013	7.465	43403424	25281940	202.952	202.543
8)	Heptachlo...	7.483	7.901	37002534	22325714	185.057	215.468
9)	trans-Chl...	7.575	8.040	40736662	23254989	197.705	220.223
10)	cis-Chlor...	7.673	8.148	39534850	21805146	199.074	220.778
11)	Endosulfa...	7.776	8.197	35073995	20842019	190.845	221.408
12)	4,4'-DDE	7.724	8.250	42024525	23806963	203.790	201.534
13)	Dieldrin	7.950	8.396	40753991	23674552	199.908	202.446
14)	Endrin	8.119	8.620	31865887	18274967	191.108	199.185
15)	4,4'-DDD	8.155	8.664	36177474	20162389	207.326	207.179
16)	Endosulfa...	8.280	8.767	31778462	19249623	194.442	222.905
17)	4,4'-DDT	8.351	8.889	31609756	16626313	213.267	212.153
18)	Endrin Al...	8.577	9.002	27999297	15613548	204.899	215.155
19)	Endosulfa...	8.883	9.197	30911262	17573109	202.715	205.267
20)	Methoxychlor	8.682	9.355	15541988	8832474	206.957	214.197
21)	Endrin Ke...	9.083	9.589	35153729	19955514	194.574	209.294
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:58
Operator : MJB
Sample : 1C03049-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:12:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

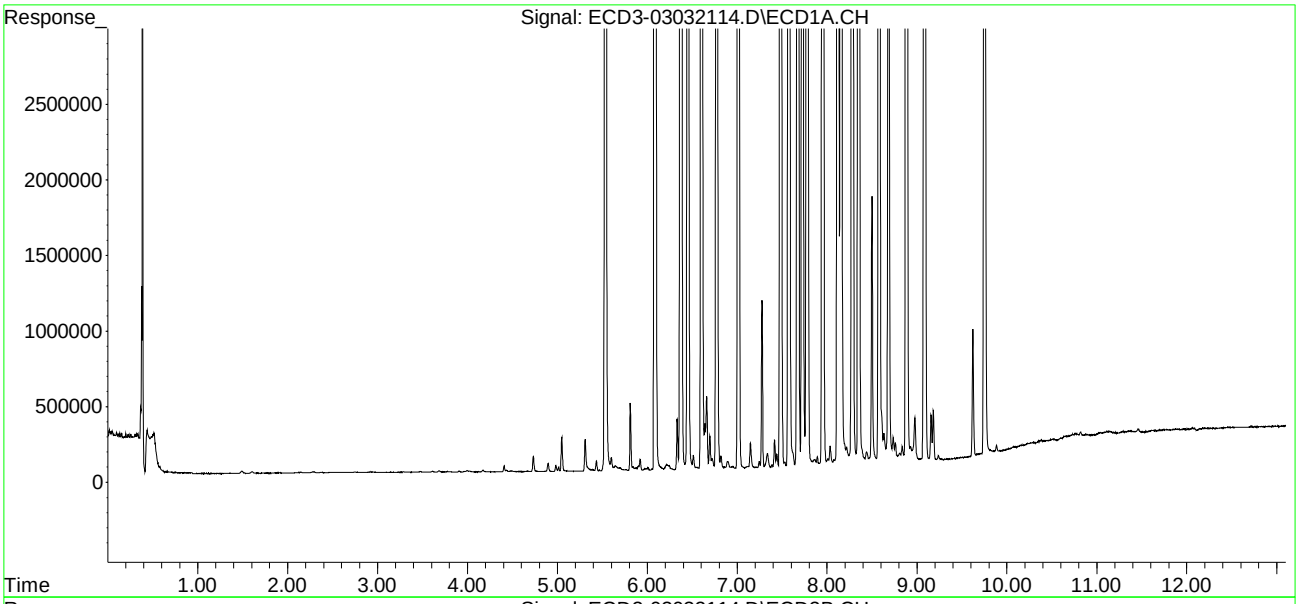
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

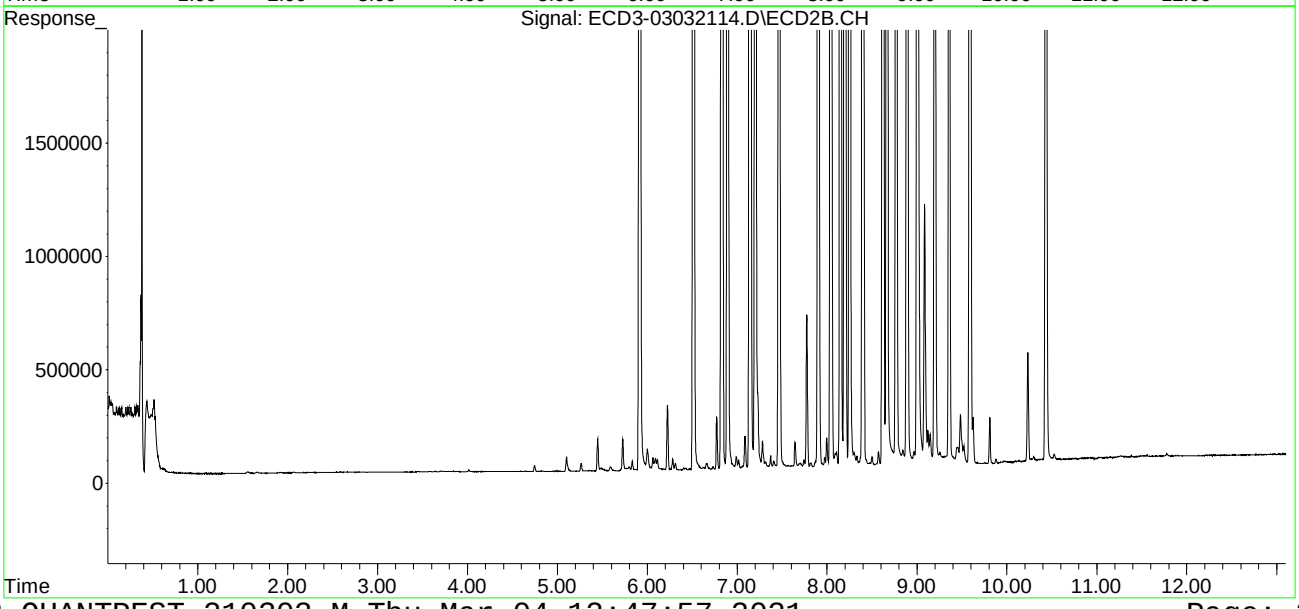
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 15:58
Operator : MJB
Sample : 1C03049-CAL9
Misc : A21B418, AB 200 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 03 16:12:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 15:59:03 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA MJB 3/4/21
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:11:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.329	3.627	131299	99010	0.426	0.454
24)	Hexachlor...	5.920	6.379	136561	87243	0.467	0.459
25)	Oxychlordane	7.406	7.831	110485	67478	0.459	0.473
26)	2,4'-DDE	7.473	8.026	84406	52000	0.469	0.477
27)	trans-Non...	7.660	8.106	125158	75412	0.475	0.471
28)	2,4'-DDD	7.852	8.398	77449	54641	0.489	0.557
29)	2,4'-DDT	8.033	8.621	52131	32387	0.348	0.372

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:11:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Curve point is not being used in the calibration.

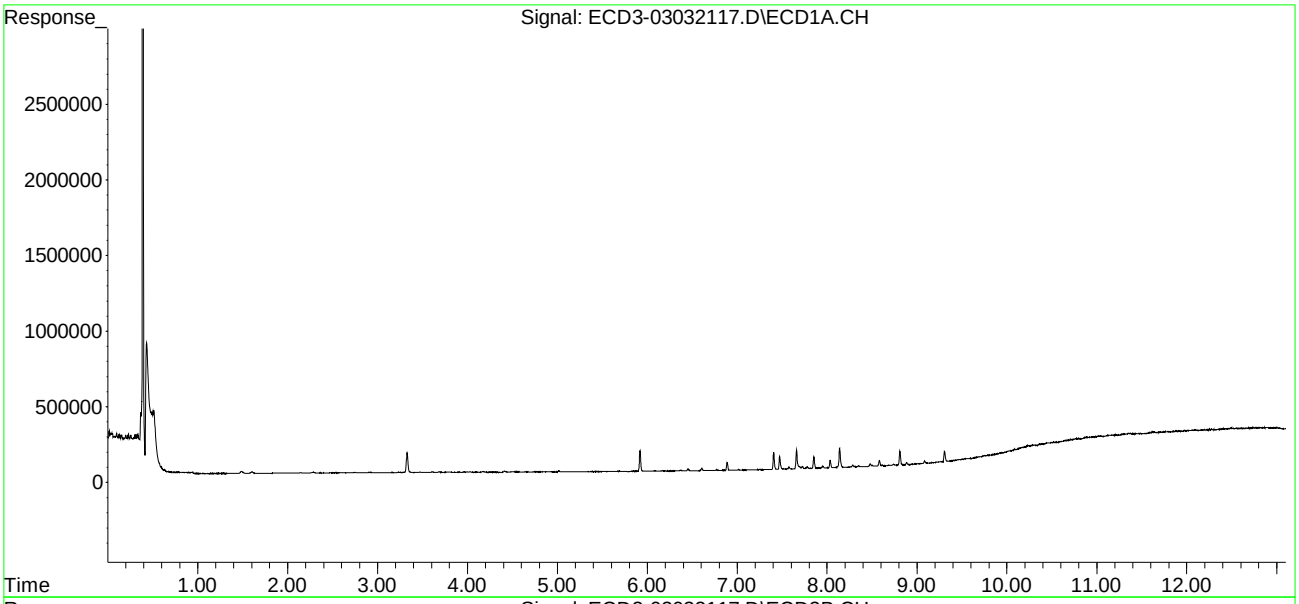
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.138	8.666	129326	83170	0.460	0.535
31)	Mirex	8.809	9.580	90050	75831	0.335	0.705 #
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

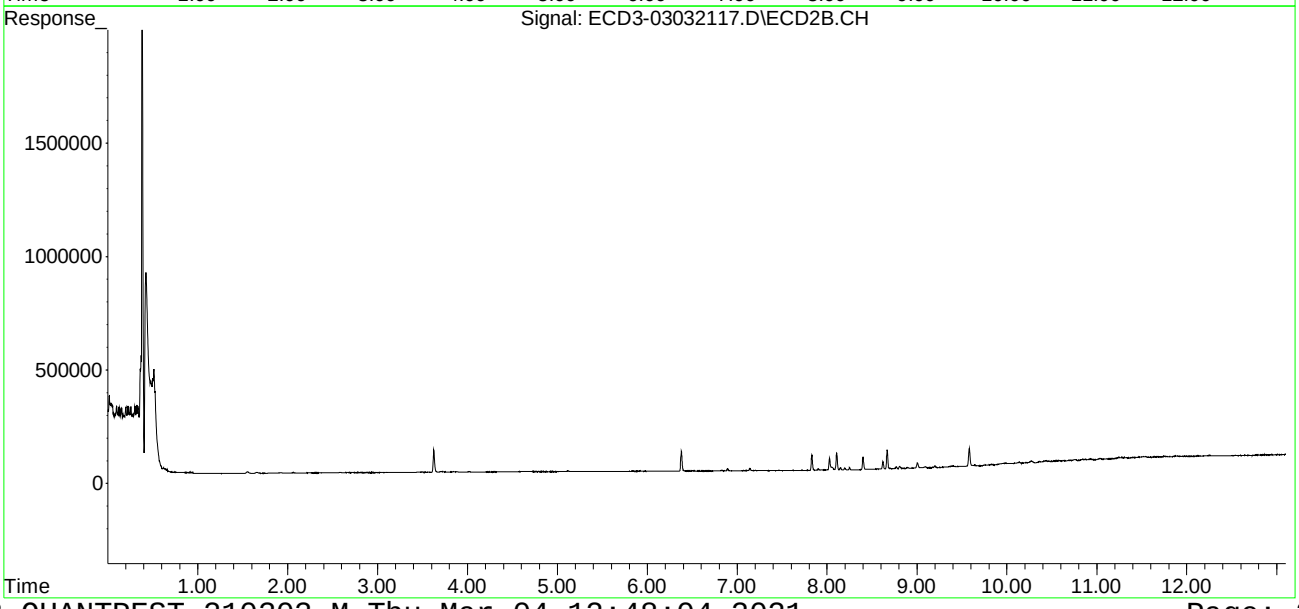
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 16:50
Operator : MJB
Sample : 1C03049-CALA
Misc : A21C050, 9-42 0.5 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:11:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:07
Operator : MJB
Sample : 1C03049-CALB MJB 3/4/21
Misc : A20I180, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:12:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.330	3.627	266916	197542	1.070	1.119
24)	Hexachlor...	5.919	6.378	257523	167332	1.082	1.121
25)	Oxychlordane	7.405	7.831	219915	133526	1.104	1.149
26)	2,4'-DDE	7.472	8.026	166850	104204	1.097	1.155
27)	trans-Non...	7.659	8.106	240378	145269	1.078	1.109
28)	2,4'-DDD	7.851	8.398	153422	95066	1.129	1.153
29)	2,4'-DDT	8.032	8.620	114198	63363	0.920	0.901

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:07
Operator : MJB
Sample : 1C03049-CALB MJB 3/4/21
Misc : A20I180, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:12:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

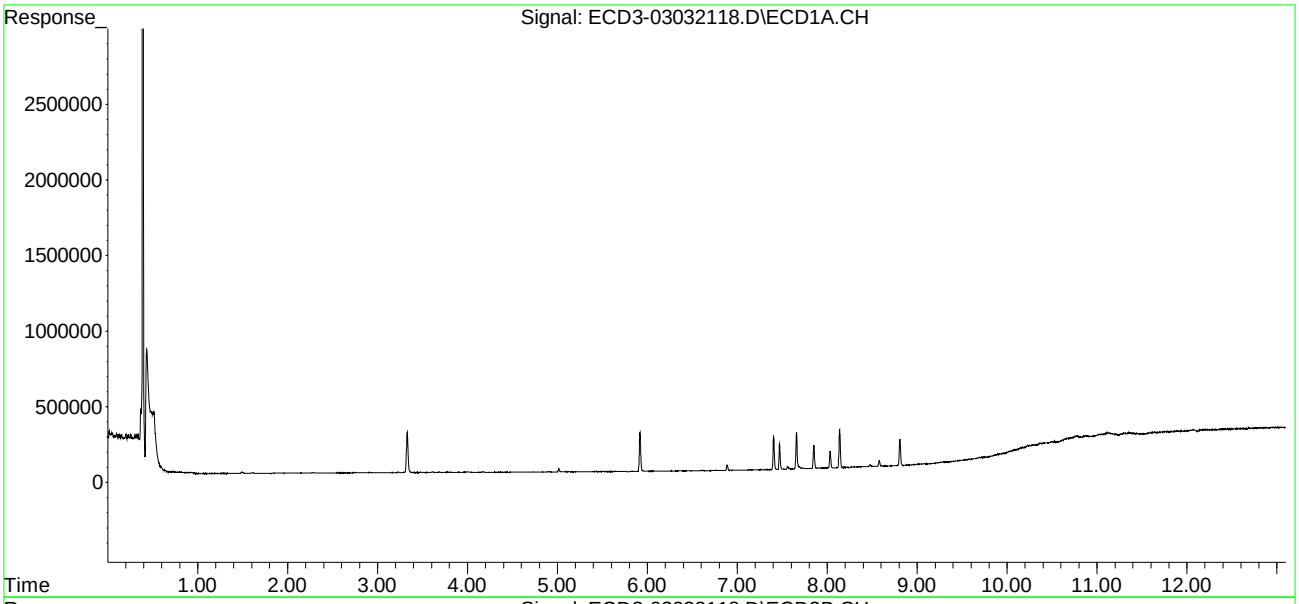
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.138	8.666	252010	147913	1.067	1.100
31)	Mirex	8.808	9.577	173148	94792	1.024	1.001
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

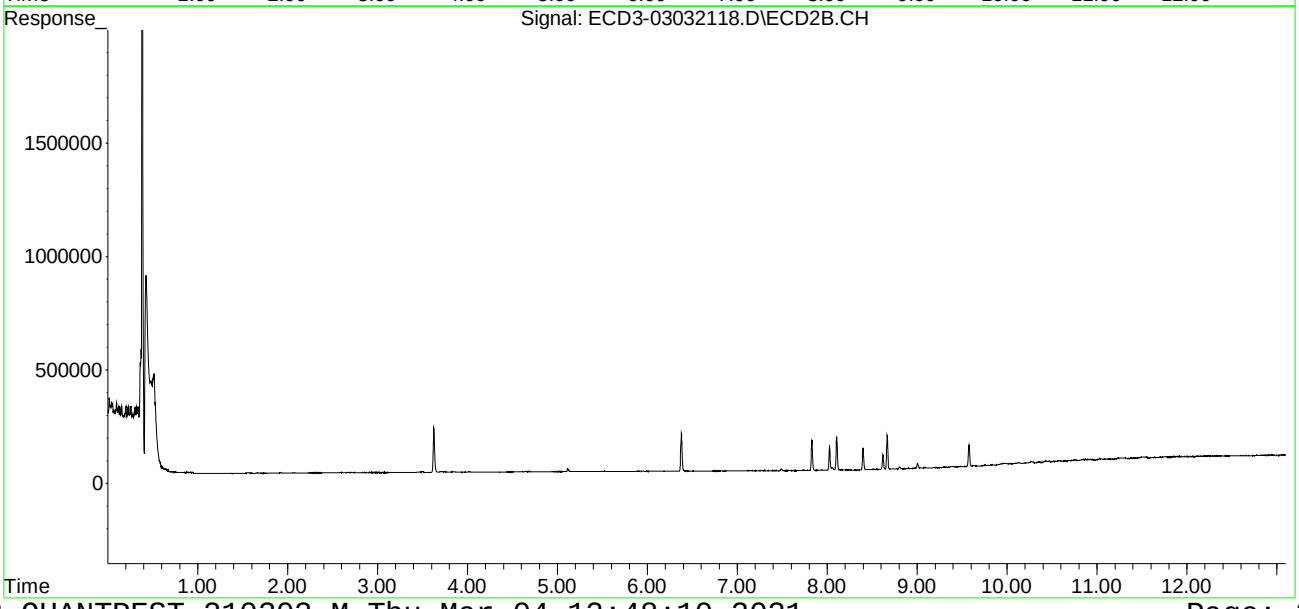
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:07
Operator : MJB
Sample : 1C03049-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:12:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:25
Operator : MJB
Sample : 1C03049-CALC MJB 3/4/21
Misc : A20I181, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:13:06 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.331	3.628	503290	365907	2.193	2.257
24)	Hexachlor...	5.920	6.378	461810	299773	2.119	2.215
25)	Oxychlordane	7.405	7.831	395761	242935	2.141	2.268
26)	2,4'-DDE	7.472	8.025	303837	190381	2.142	2.274
27)	trans-Non...	7.659	8.106	451699	268332	2.184	2.233
28)	2,4'-DDD	7.852	8.398	285970	174025	2.247	2.319
29)	2,4'-DDT	8.033	8.620	215273	117166	1.849	1.820

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:25
Operator : MJB
Sample : 1C03049-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:13:06 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

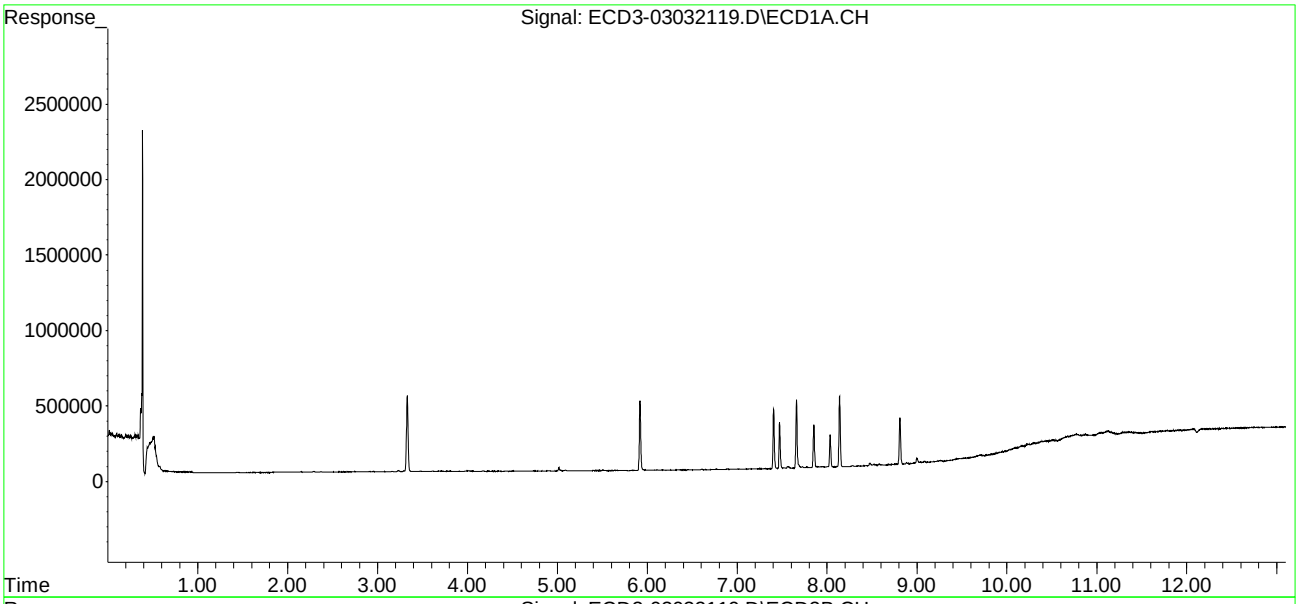
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.666	464744	269198	2.118	2.160
31)	Mirex	8.809	9.577	308290	171481	2.144	2.196
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

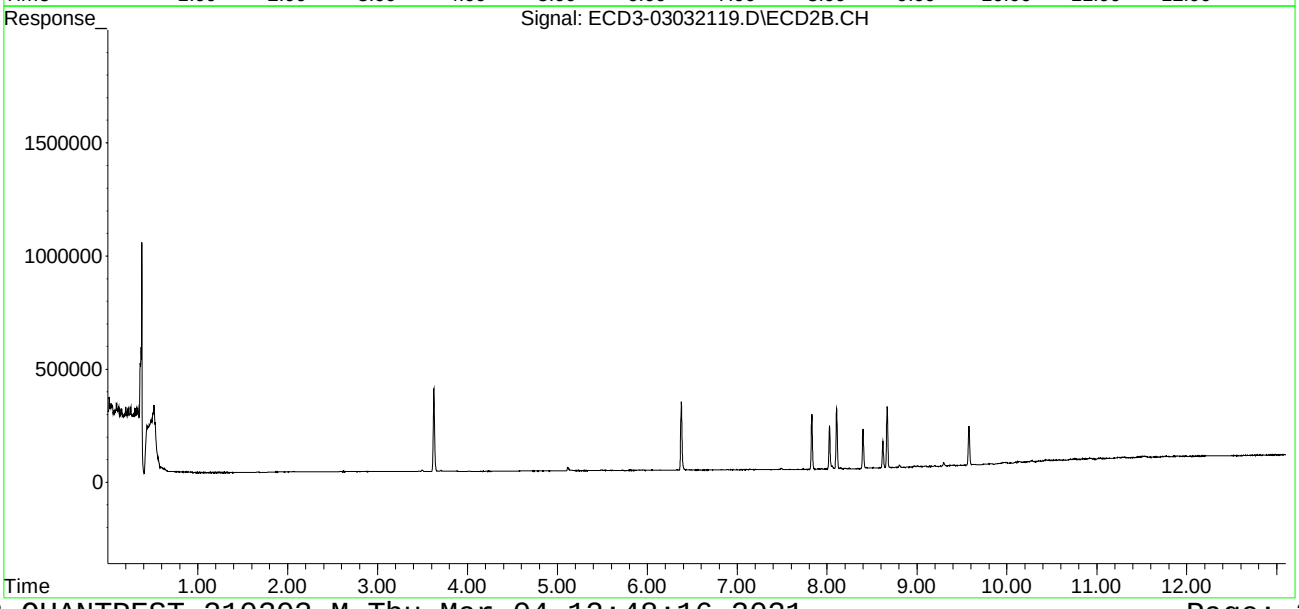
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:25
Operator : MJB
Sample : 1C03049-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:13:06 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:42
Operator : MJB
Sample : 1C03049-CALD MJB 3/4/21
Misc : A20I182, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:13:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.330	3.627	1154744	853516	5.286	5.562
24)	Hexachlor...	5.919	6.378	1123158	727228	5.476	5.756
25)	Oxychlordane	7.404	7.830	957258	570429	5.452	5.622
26)	2,4'-DDE	7.472	8.025	759115	470463	5.616	5.917
27)	trans-Non...	7.658	8.105	1108639	642147	5.618	5.652
28)	2,4'-DDD	7.851	8.398	694392	416993	5.690	5.908
29)	2,4'-DDT	8.031	8.620	539524	289734	4.819	4.755

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:42
Operator : MJB
Sample : 1C03049-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:13:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

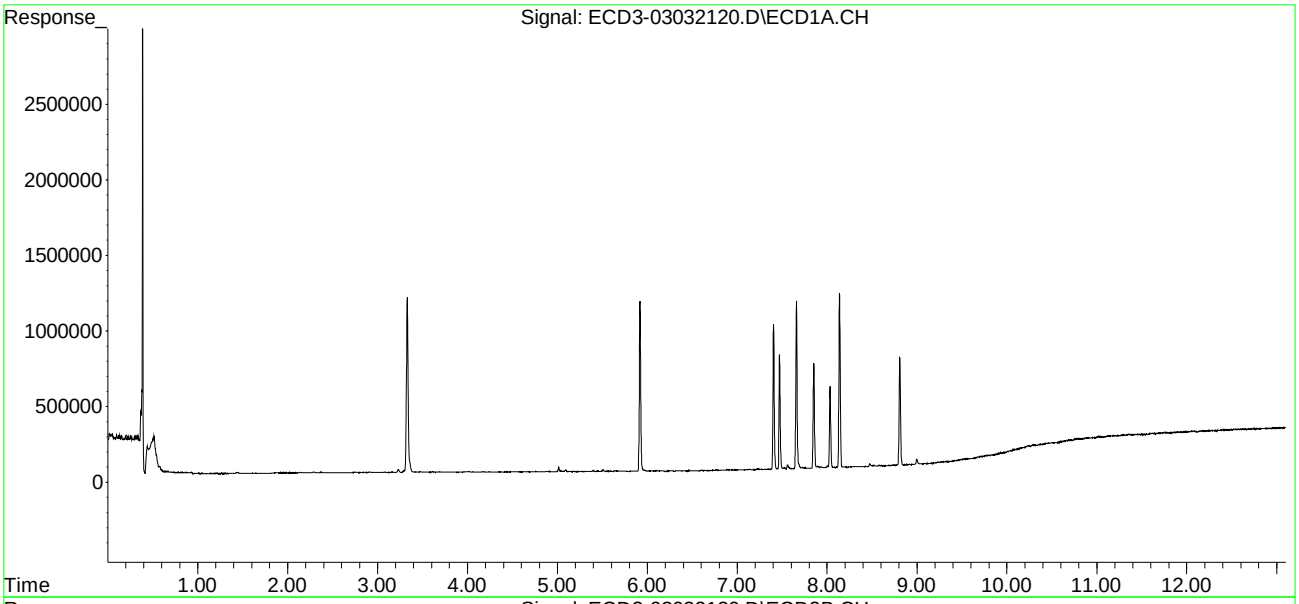
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.666	1153026	676582	5.514	5.722
31)	Mirex	8.807	9.576	716547	409939	5.526	5.912
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

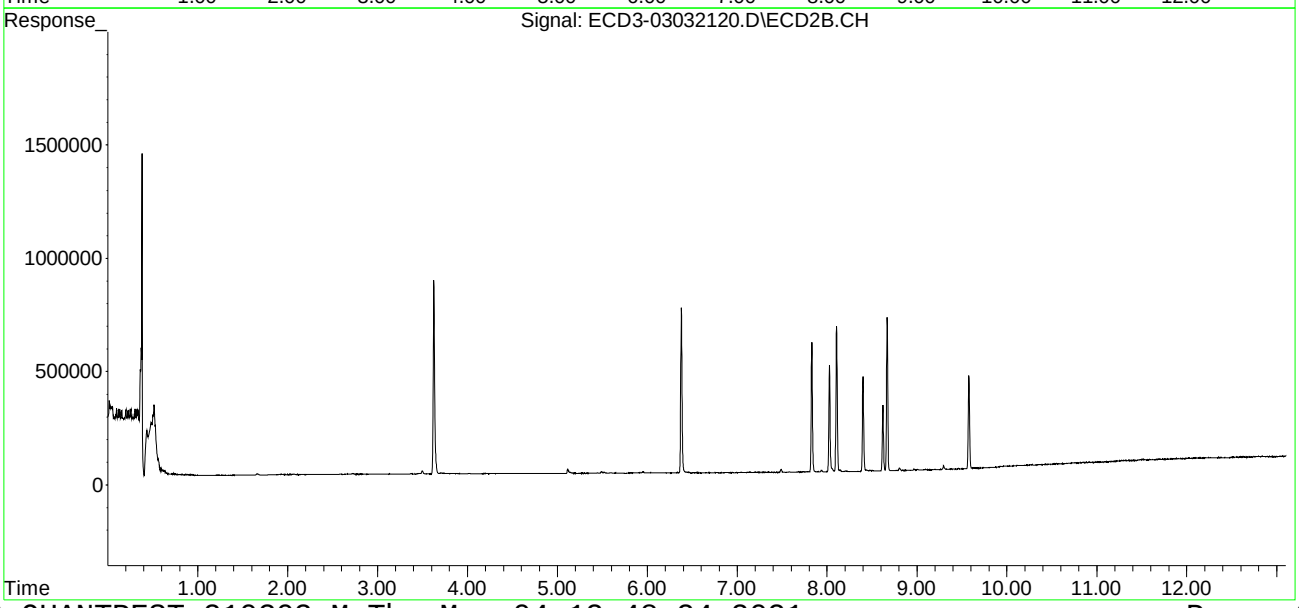
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:42
Operator : MJB
Sample : 1C03049-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:13:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:59
Operator : MJB
Sample : 1C03049-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:14:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.330	3.627	2172619	1586552	10.114	10.560
24)	Hexachlor...	5.919	6.378	2103273	1346743	10.451	10.910
25)	Oxychlordane	7.405	7.830	1759606	1066713	10.180	10.713
26)	2,4'-DDE	7.472	8.025	1369849	860266	10.281	11.001
27)	trans-Non...	7.659	8.105	2058161	1206001	10.574	10.822
28)	2,4'-DDD	7.851	8.398	1278139	770623	10.613	11.135
29)	2,4'-DDT	8.032	8.620	1021435	558251	9.201	9.293

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:59
Operator : MJB
Sample : 1C03049-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:14:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

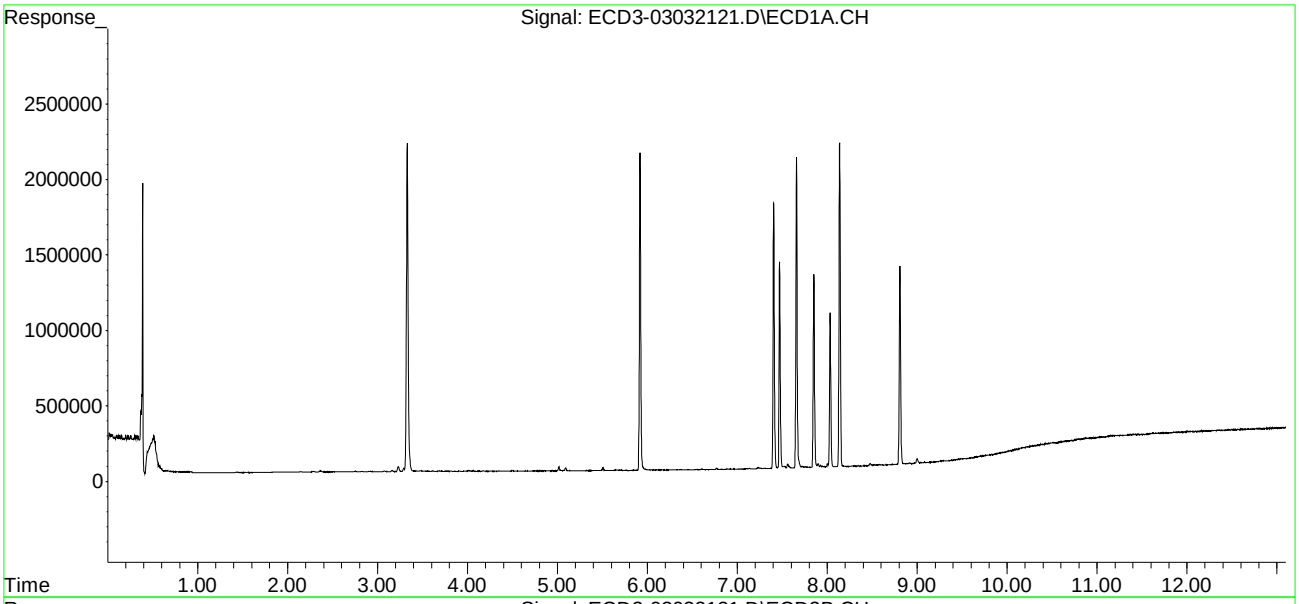
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.666	2143163	1276559	10.385	10.977
31)	Mirex	8.808	9.577	1311683	722331	10.447	10.778
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

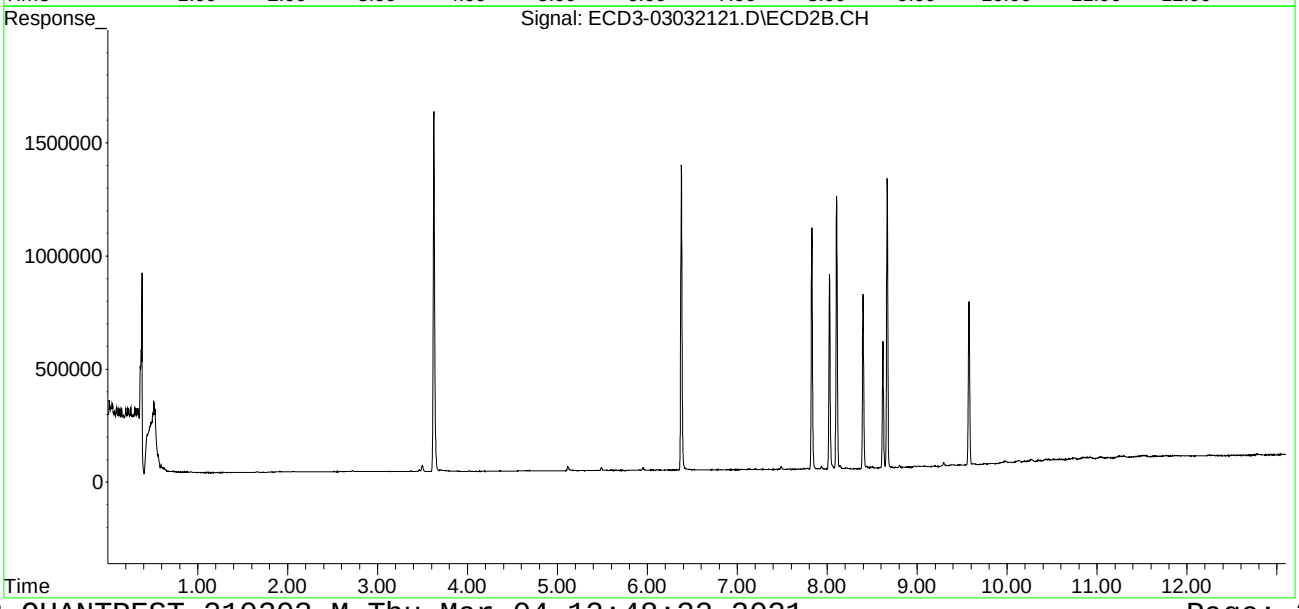
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 17:59
Operator : MJB
Sample : 1C03049-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:14:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:16
Operator : MJB
Sample : 1C03049-CALF MJB 3/4/21
Misc : A20I184, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:14:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.331	3.628	5778907	4116586	27.173	28.093
24)	Hexachlor...	5.919	6.378	5230780	3285248	26.317	27.212
25)	Oxychlordane	7.404	7.830	4459272	2741710	26.060	27.985
26)	2,4'-DDE	7.471	8.025	3398233	2134433	25.808	27.721
27)	trans-Non...	7.658	8.105	5196180	3031595	26.884	27.677
28)	2,4'-DDD	7.850	8.397	3172329	1926085	26.605	28.252
29)	2,4'-DDT	8.031	8.619	2825752	1569853	25.286	26.085

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:16
Operator : MJB
Sample : 1C03049-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:14:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

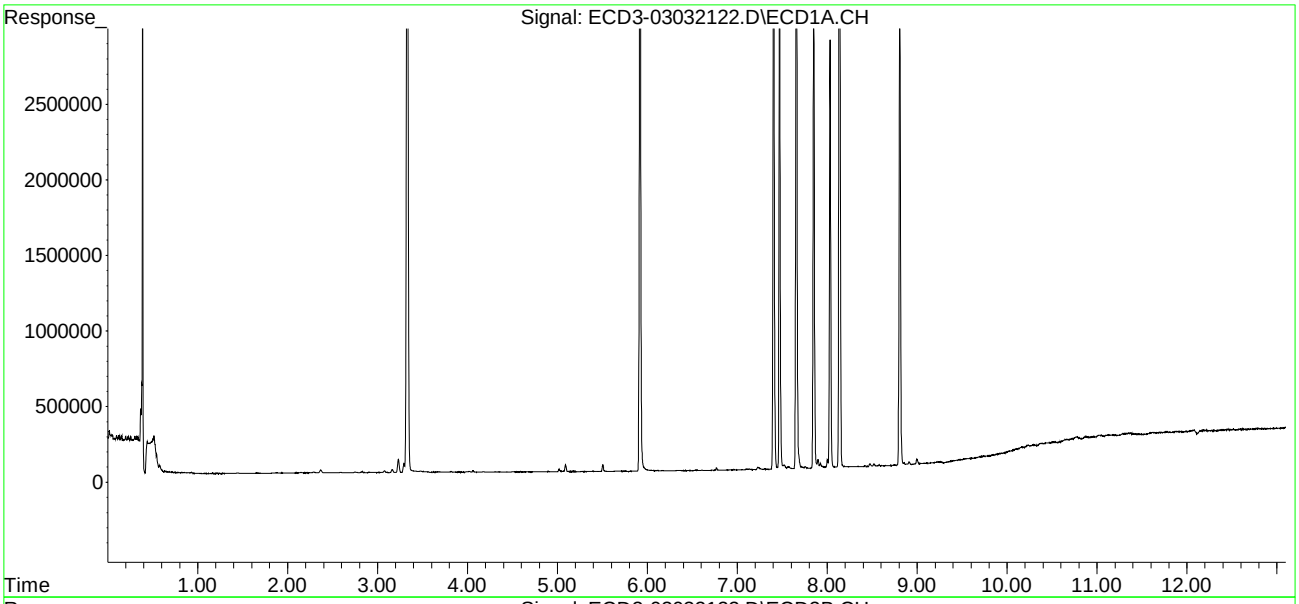
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.136	8.665	5467845	3276356	26.630	28.567
31)	Mirex	8.807	9.576	3218550	1844558	26.144	28.241
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

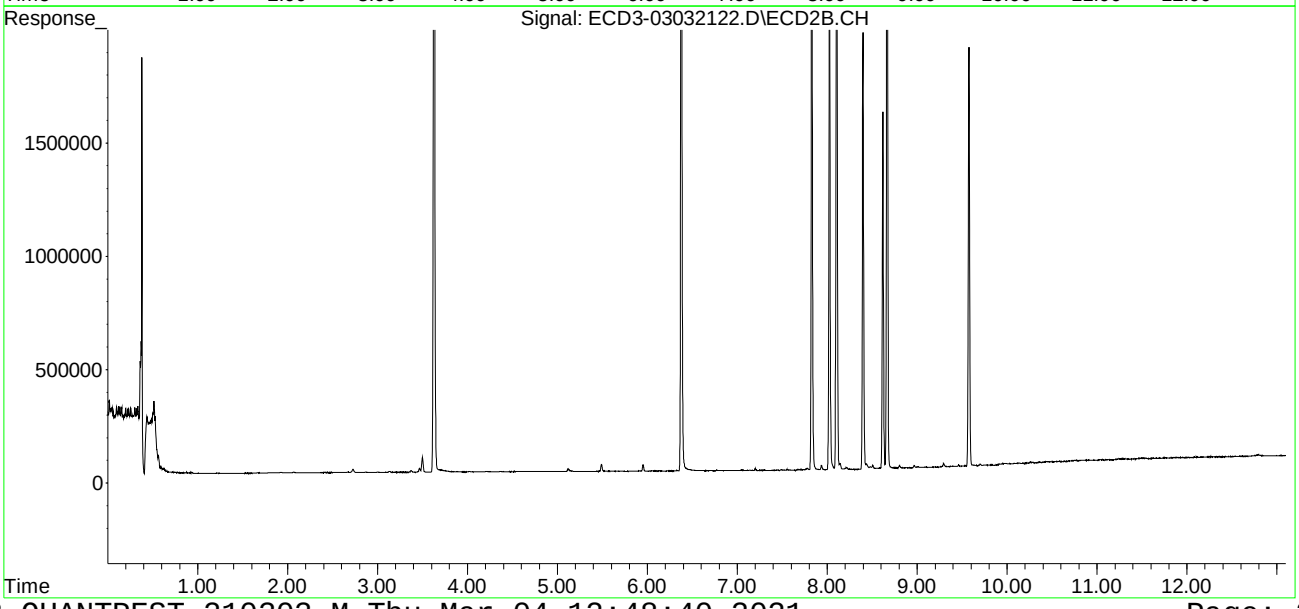
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:16
Operator : MJB
Sample : 1C03049-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:14:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:33
Operator : MJB
Sample : 1C03049-CALG MJB 3/4/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:06:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.331	3.628	11058103	7713940	52.018	53.831
24)	Hexachlor...	5.919	6.378	10457504	6488240	52.803	54.755
25)	Oxychlordane	7.404	7.830	8843326	5450534	51.758	56.209
26)	2,4'-DDE	7.471	8.025	6764691	4405528	51.693	57.935
27)	trans-Non...	7.658	8.105	10262003	6142226	53.000	56.807
28)	2,4'-DDD	7.851	8.398	6313806	3797075	53.181	56.083
29)	2,4'-DDT	8.032	8.620	6052042	3359216	52.890	54.706

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:33
Operator : MJB
Sample : 1C03049-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:06:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

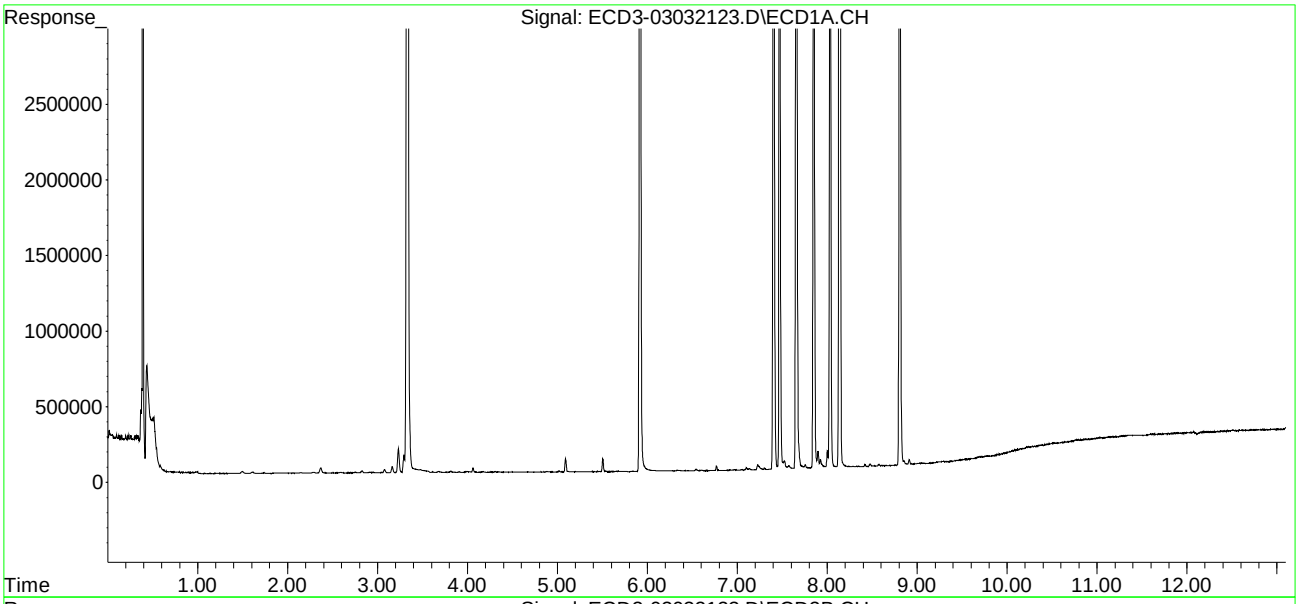
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.666	10903754	6303429	52.826	55.413
31)	Mirex	8.807	9.576	6339632	3630148	51.615	55.973
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

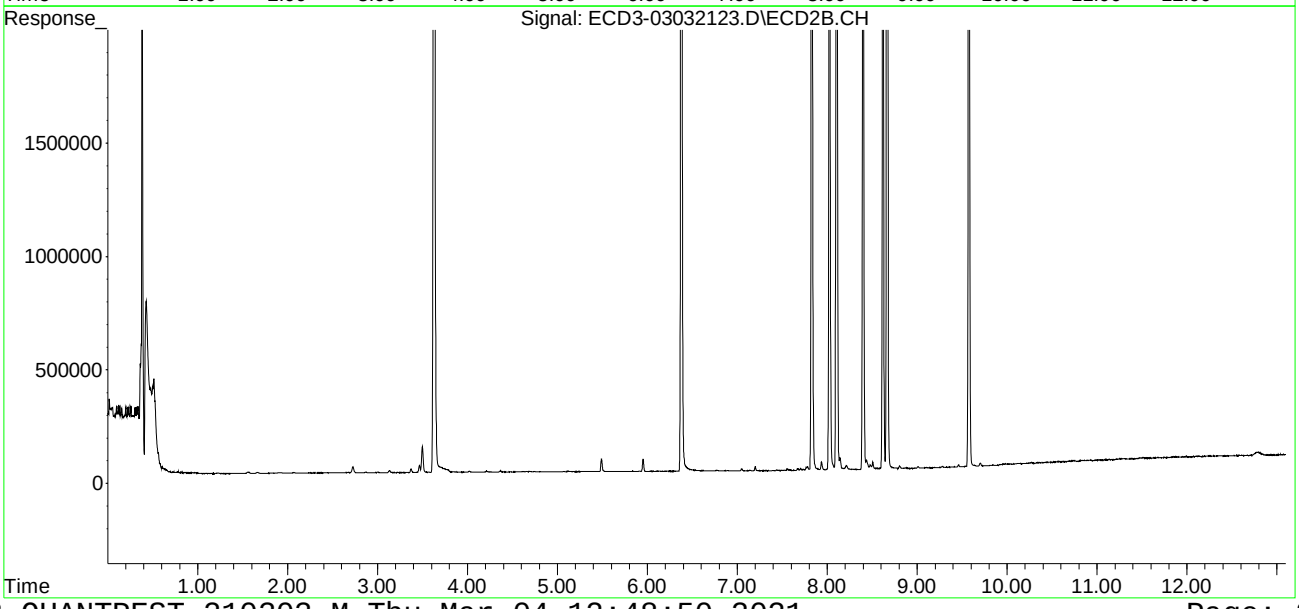
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:33
Operator : MJB
Sample : 1C03049-CALG
Misc : A21A187, 9-42 50 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:06:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Wed Mar 03 16:14:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:51
Operator : MJB
Sample : 1C03049-CALH MJB 3/4/21
Misc : A21A188, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:15:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.330	3.627	22682154	15200252	106.204	110.938
24)	Hexachlor...	5.920	6.379	20827185	12636479	105.242	109.971
25)	Oxychlordane	7.405	7.831	17812438	10567064	103.994	110.544
26)	2,4'-DDE	7.471	8.025	13335887	8532152	102.647	114.263
27)	trans-Non...	7.658	8.105	20483127	11928363	104.911	112.468
28)	2,4'-DDD	7.851	8.398	12619691	7466584	106.727	111.090
29)	2,4'-DDT	8.032	8.621	12462876	6917982	104.034	108.111

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:51
Operator : MJB
Sample : 1C03049-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:15:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

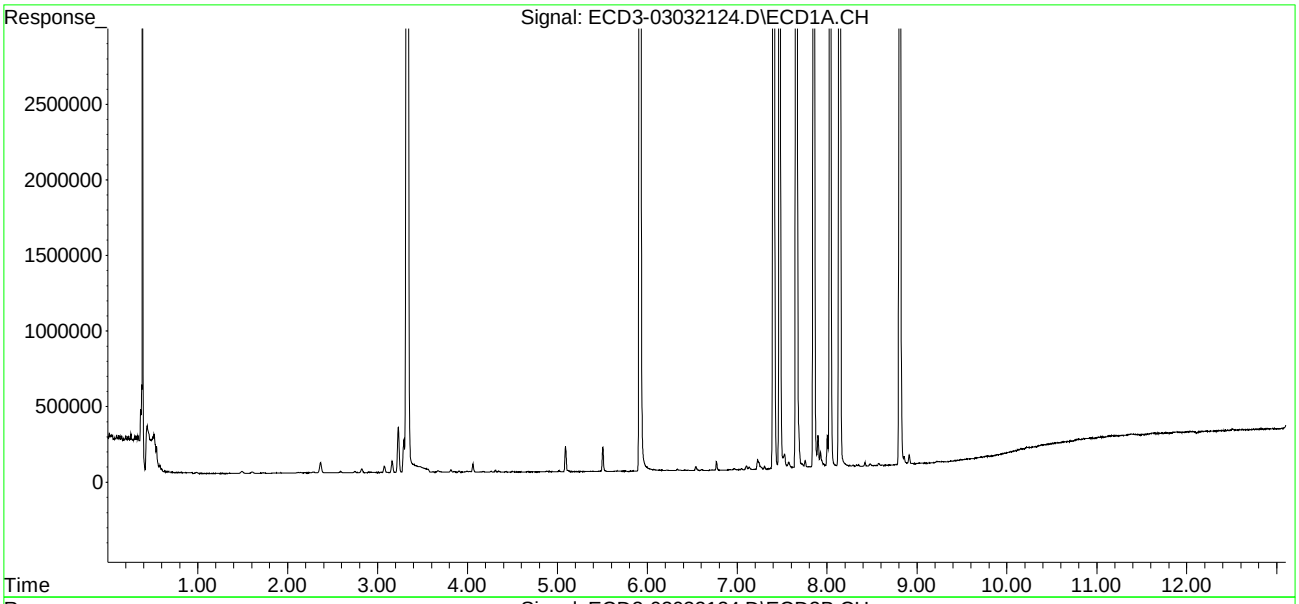
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.666	21558330	12425276	102.934	110.545
31)	Mirex	8.808	9.577	12965794	7282009	104.807	112.485
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

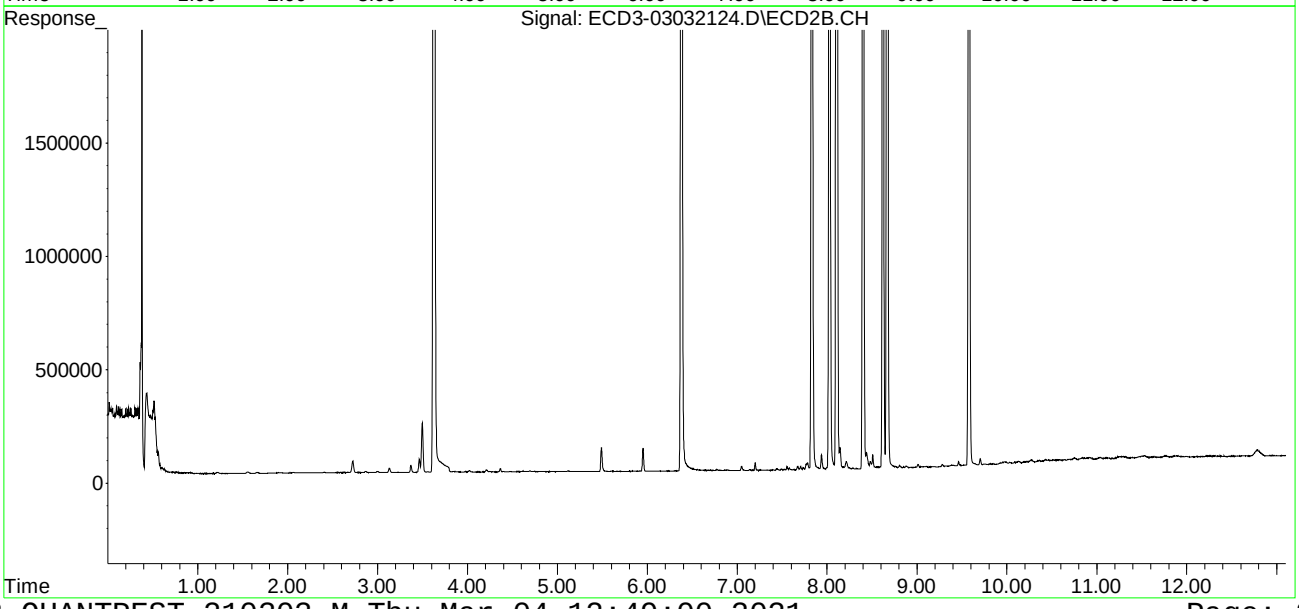
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 18:51
Operator : MJB
Sample : 1C03049-CALH
Misc : A21A188, 9-42 100 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:15:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:08
Operator : MJB
Sample : 1C03049-CALI MJB 3/4/21
Misc : A20I179, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:15:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.332	3.628	45066161	28592053	208.615	229.801
24)	Hexachlor...	5.920	6.378	42548202	24383267	214.629	226.151
25)	Oxychlordane	7.404	7.830	35252462	21388659	204.296	230.331
26)	2,4'-DDE	7.471	8.025	27558127	16782099	214.949	233.145
27)	trans-Non...	7.658	8.106	42978567	23867612	215.737	234.256
28)	2,4'-DDD	7.851	8.397	25688546	15498691	218.578	233.528
29)	2,4'-DDT	8.032	8.620	26032892	14312417	200.142	207.618

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:08
Operator : MJB
Sample : 1C03049-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:15:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

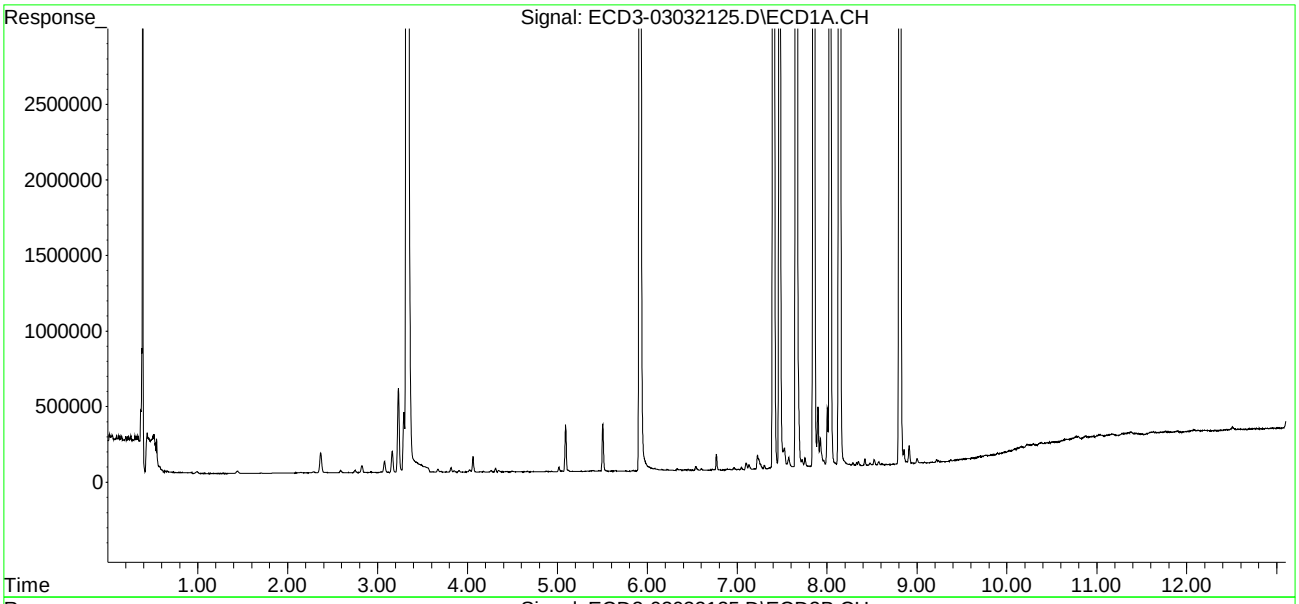
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.666	45501462	24948573	210.209	227.108
31)	Mirex	8.808	9.577	26946171	14872728	213.397	229.083
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

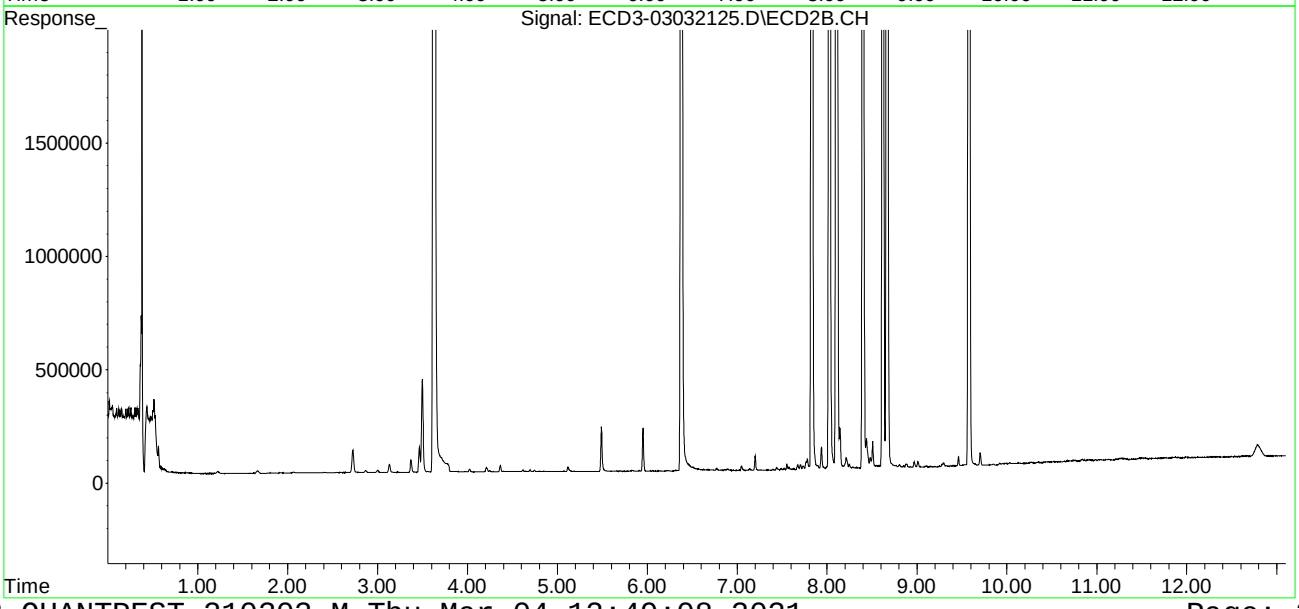
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:08
Operator : MJB
Sample : 1C03049-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:15:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:59
Operator : MJB
Sample : 1C03049-CALJ MJB 3/4/21
Misc : A21C051, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:16:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:59
Operator : MJB
Sample : 1C03049-CALJ
Misc : A21C051, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:16:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

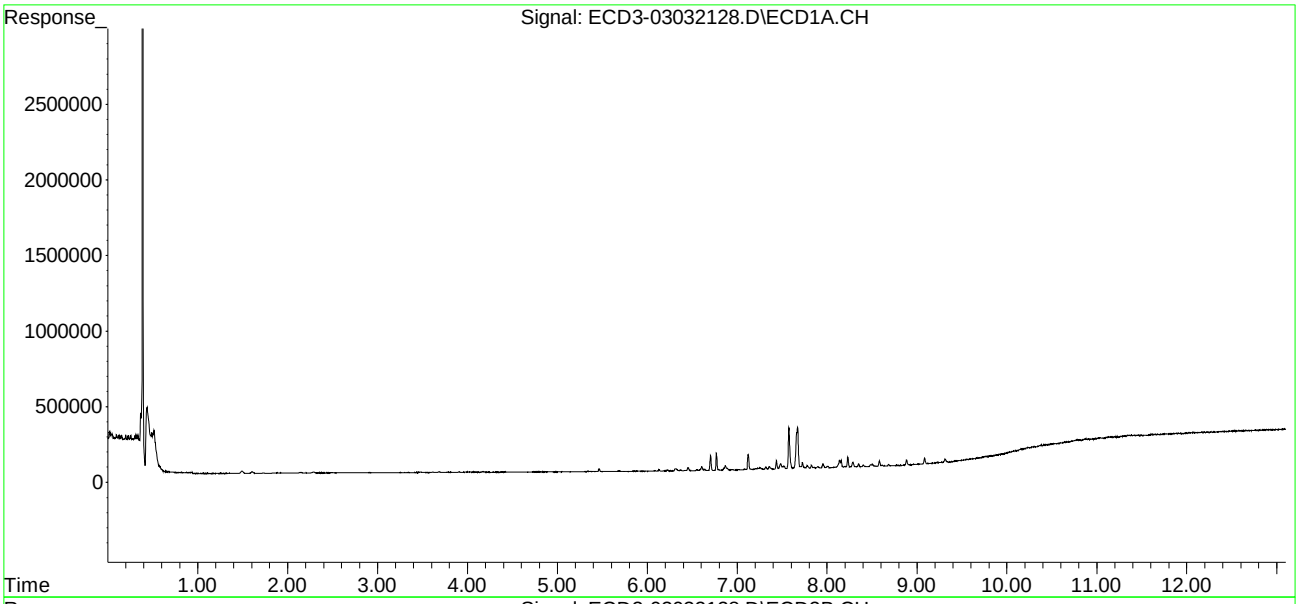
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.576	8.039	273638	175821	11.883	12.755
33)	Chlordane...	7.671	8.146	274480	156159	12.359	13.515
34)	Chlordane...	8.228	8.804	68307	44831	9.867	11.713
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

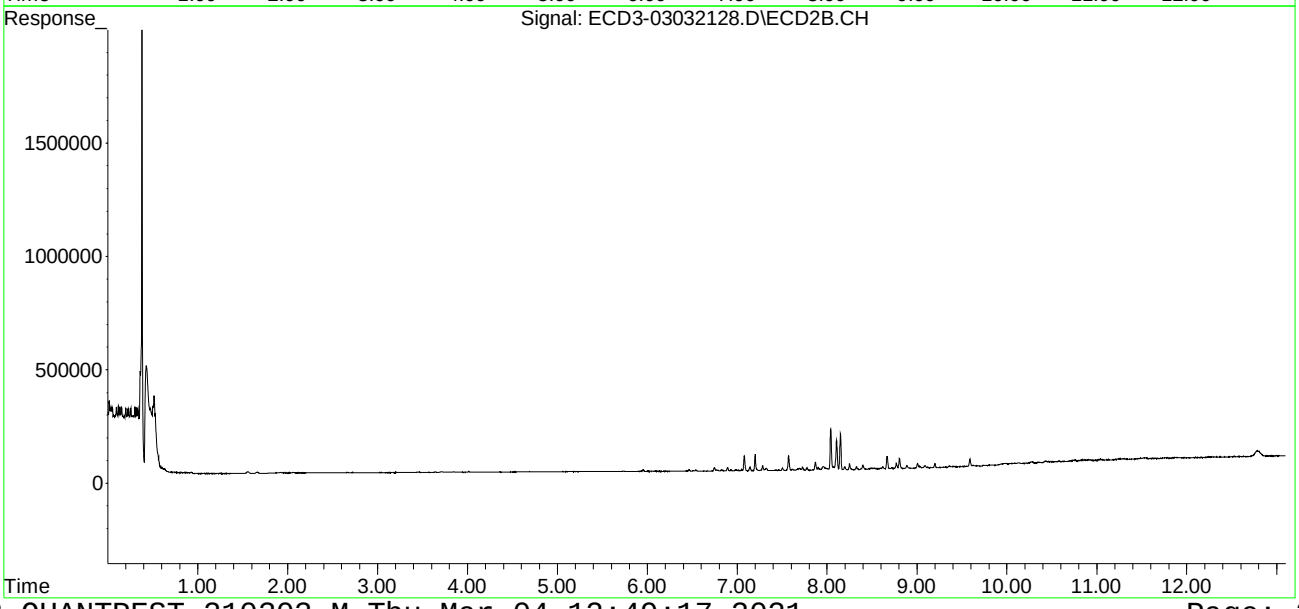
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 19:59
Operator : MJB
Sample : 1C03049-CALJ
Misc : A21C051, CHLOR 10 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:16:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:17
Operator : MJB
Sample : 1C03049-CALK MJB 3/4/21
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:16:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:17
Operator : MJB
Sample : 1C03049-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:16:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

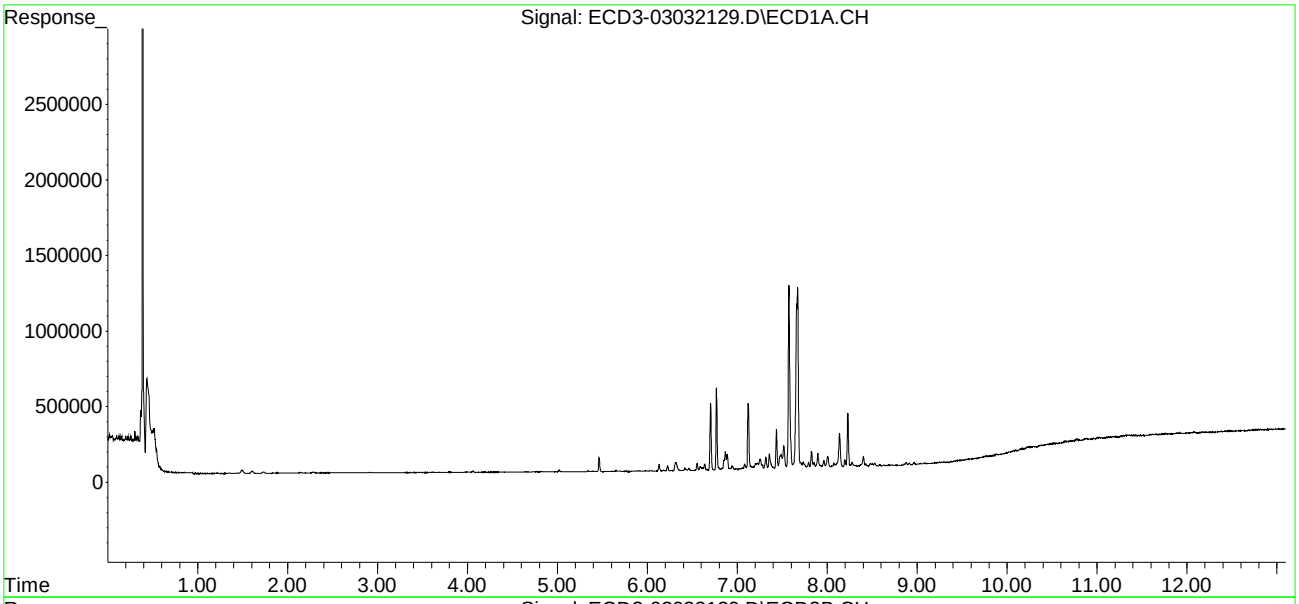
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.575	8.039	1210468	785679	52.567	56.997
33)	Chlordane...	7.671	8.147	1191968	651951	53.669	56.424
34)	Chlordane...	8.228	8.803	353590	200550	51.074	52.398
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

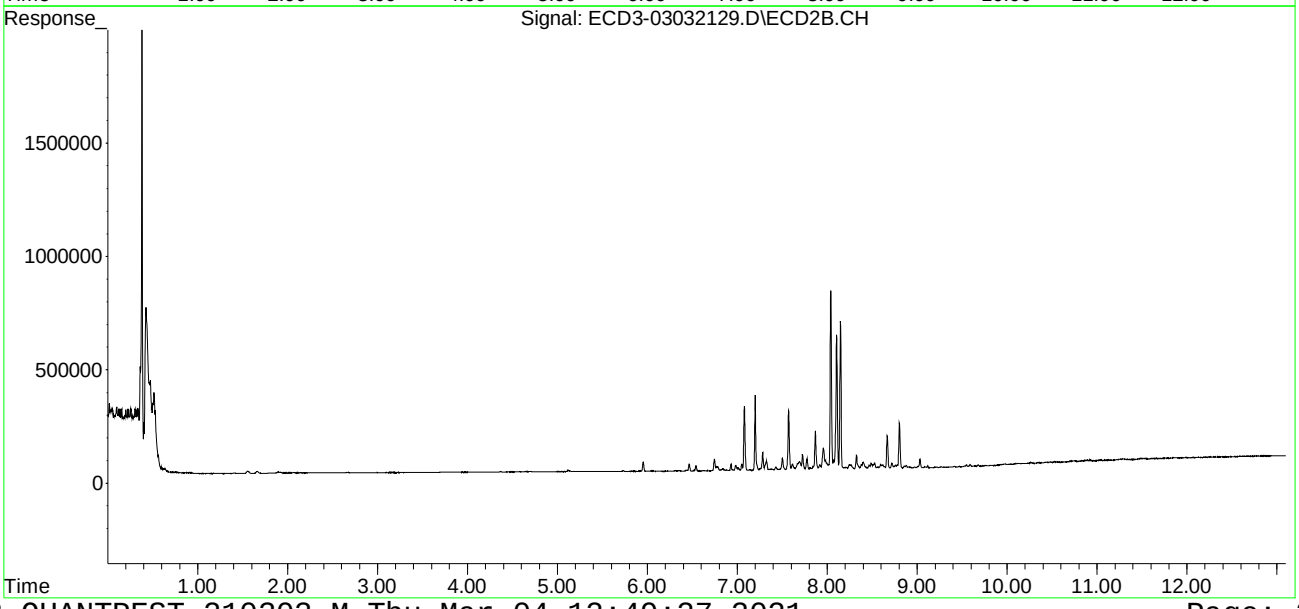
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032129.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:17
Operator : MJB
Sample : 1C03049-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:16:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:34
Operator : MJB
Sample : 1C03049-CALL MJB 3/4/21
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:17:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:34
Operator : MJB
Sample : 1C03049-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:17:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

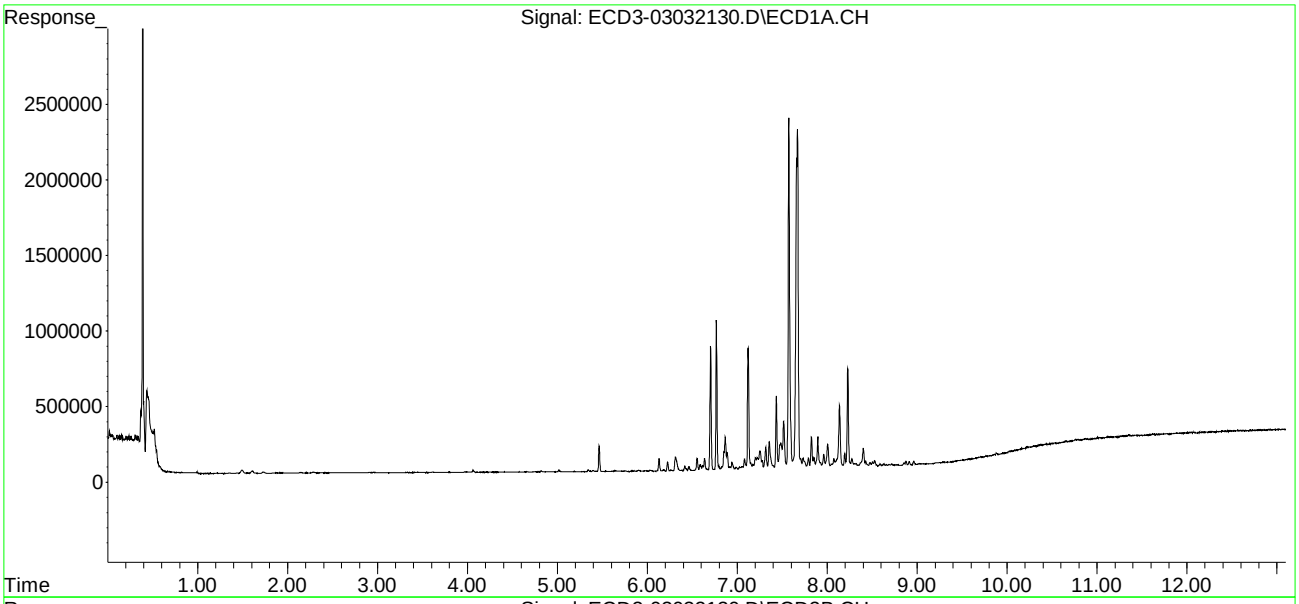
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.574	8.038	2307545	1499755	100.209	108.800
33)	Chlordane...	7.670	8.145	2237113	1247247	100.727	107.944
34)	Chlordane...	8.228	8.803	639001	367050	92.300	95.899
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

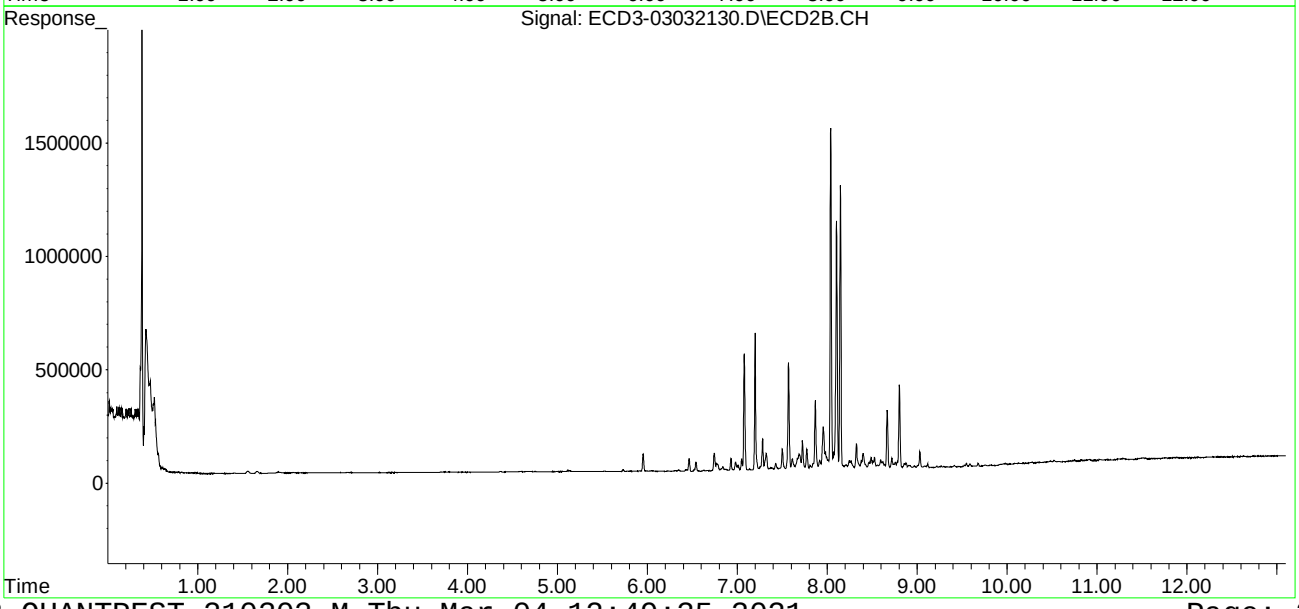
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:34
Operator : MJB
Sample : 1C03049-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:17:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:51
Operator : MJB
Sample : 1C03049-CALM MJB 3/4/21
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:17:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:51
Operator : MJB
Sample : 1C03049-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:17:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

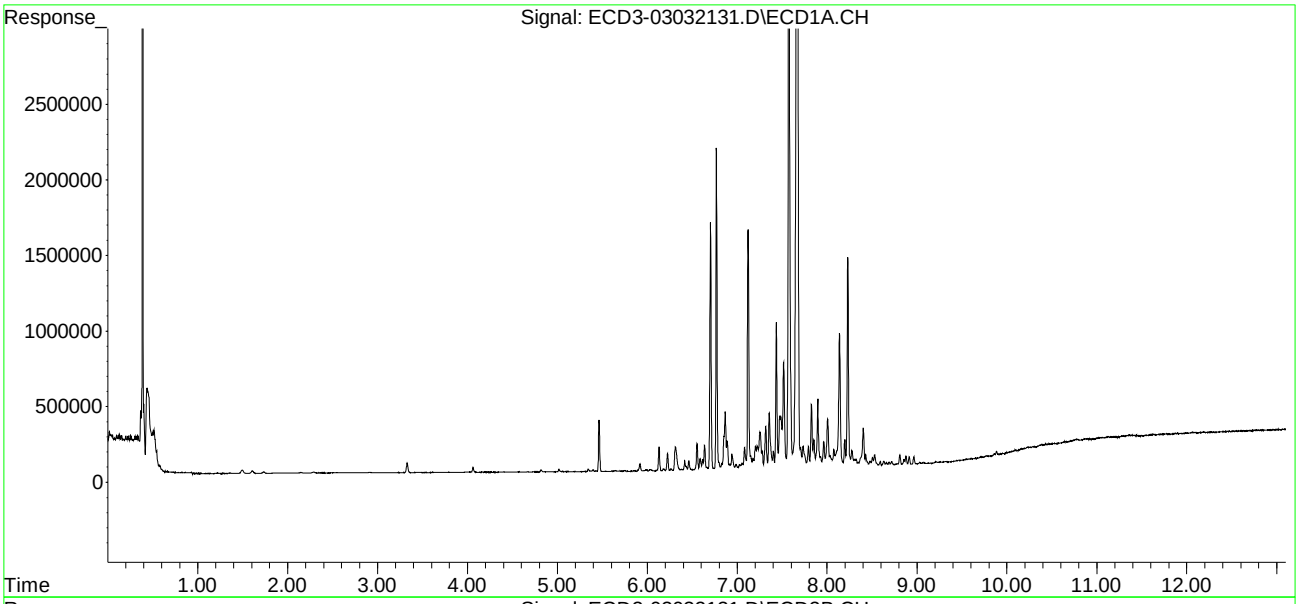
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.574	8.039	4704468	3068310	204.299	222.591
33)	Chlordane...	7.670	8.146	4543767	2567074	204.584	222.170
34)	Chlordane...	8.228	8.803	1379262	789175	199.227	206.187
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

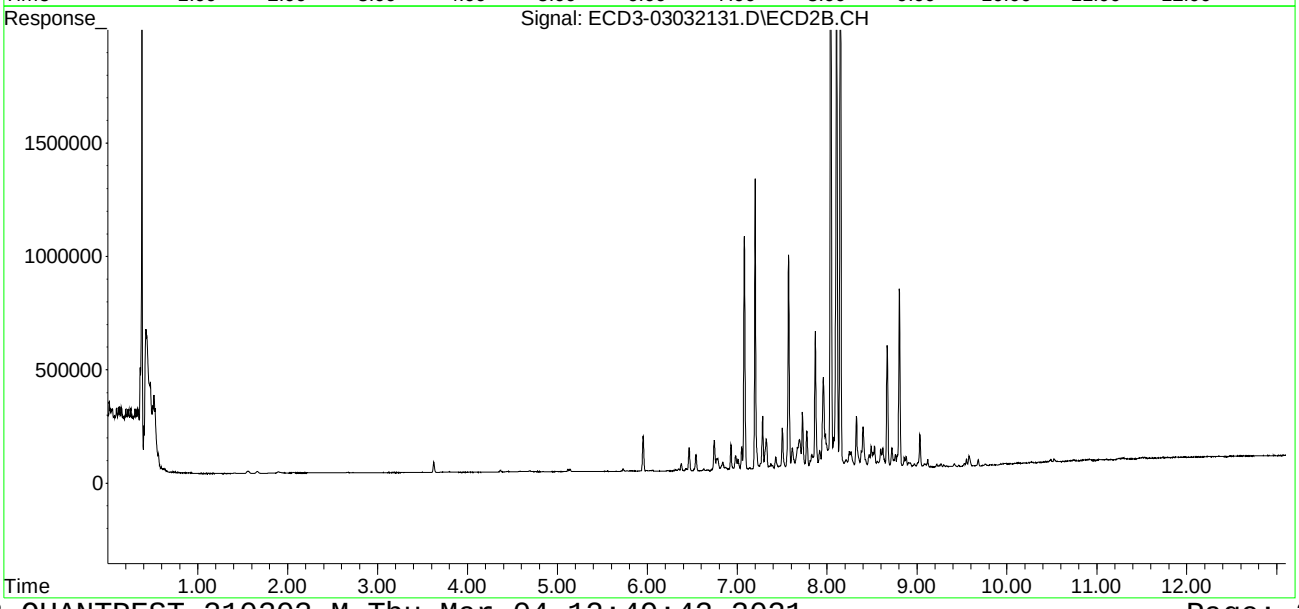
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 20:51
Operator : MJB
Sample : 1C03049-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:17:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:08
Operator : MJB
Sample : 1C03049-CALN MJB 3/4/21
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:08:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:07:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:08
Operator : MJB
Sample : 1C03049-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:08:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:07:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

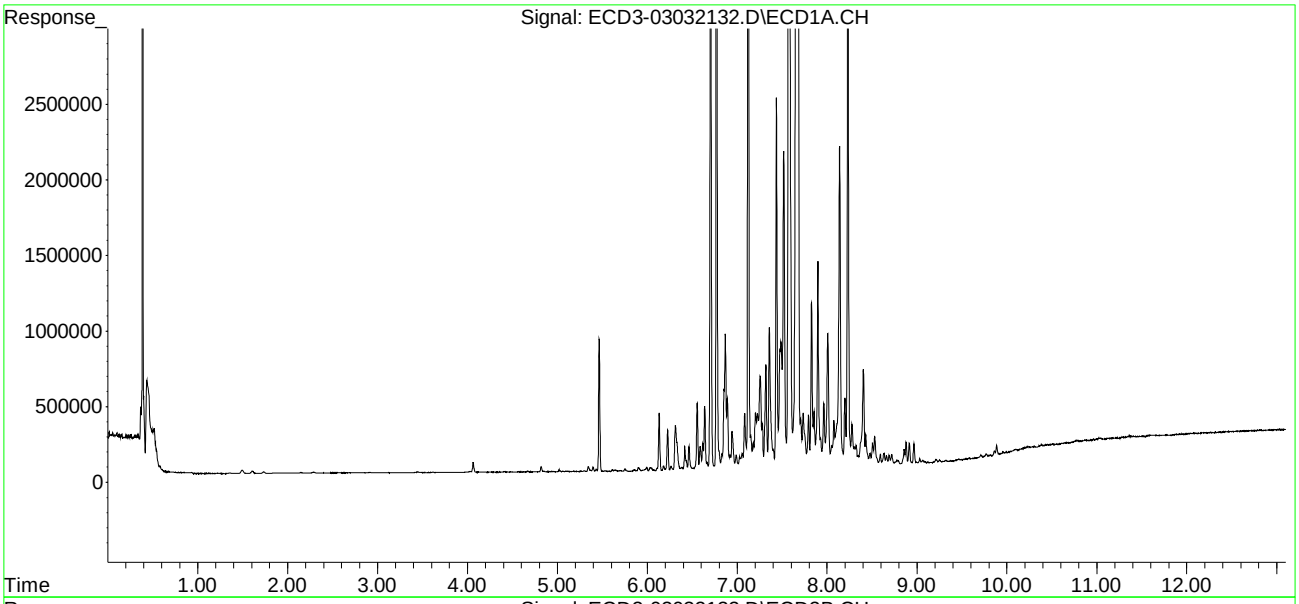
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.575	8.039	12070866	7951271	524.198	576.826
33)	Chlordane...	7.671	8.146	11910060	6598261	536.253	571.052
34)	Chlordane...	8.229	8.803	3665652	2111482	529.484	551.666
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

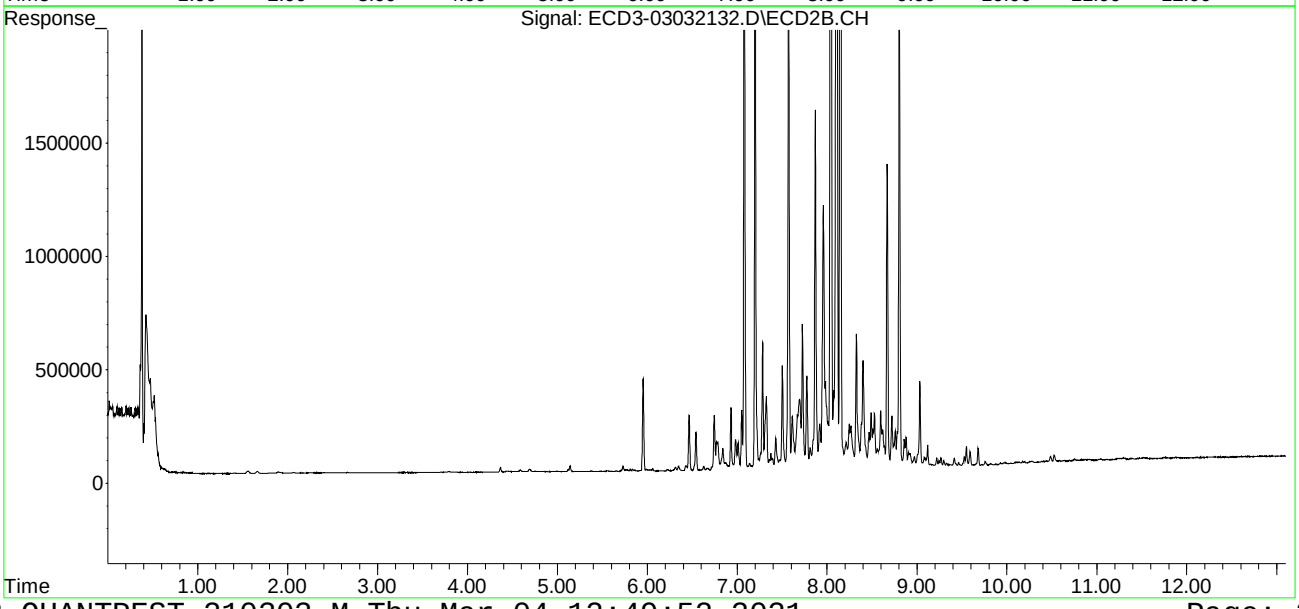
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:08
Operator : MJB
Sample : 1C03049-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:08:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:07:26 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:25
Operator : MJB
Sample : 1C03049-CALO MJB 3/4/21
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:18:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:25
Operator : MJB
Sample : 1C03049-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:18:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

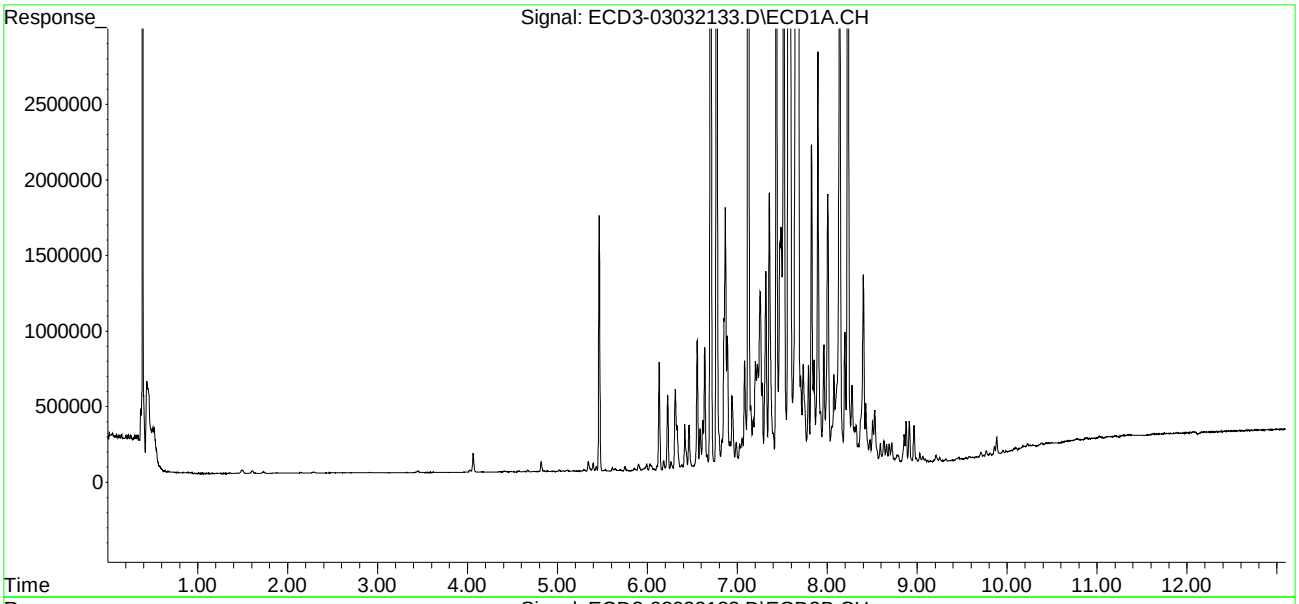
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.576	8.038	24708857	15376491	1073.024	1115.490
33)	Chlordane...	7.671	8.146	22961884	12697541	1033.864	1098.920
34)	Chlordane...	8.229	8.803	7261164	4065896	1048.837	1062.295
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

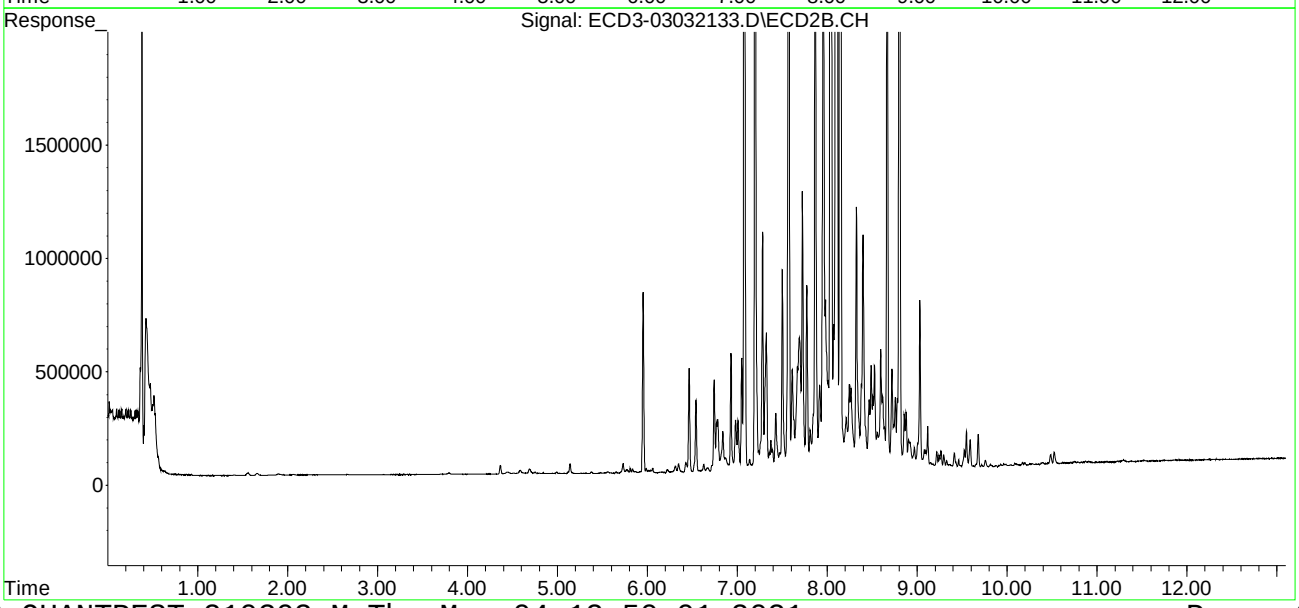
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:25
Operator : MJB
Sample : 1C03049-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:18:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:42
Operator : MJB
Sample : 1C03049-CALP MJB 3/4/21
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:18:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:42
Operator : MJB
Sample : 1C03049-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:18:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

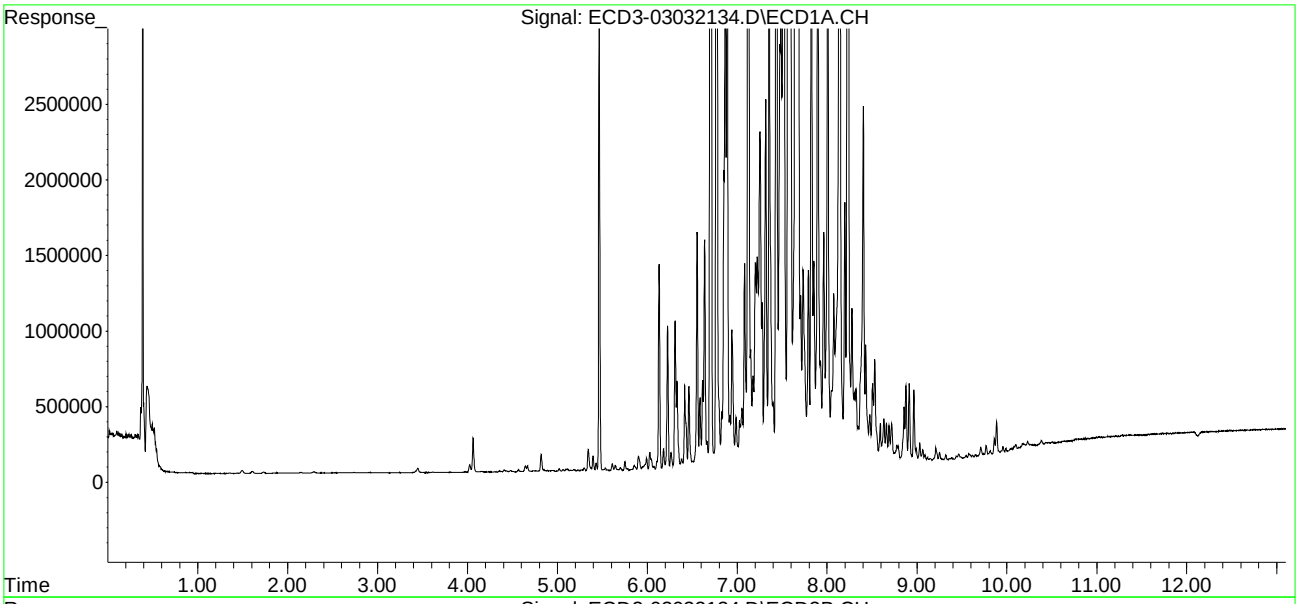
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.575	8.038	47428298	29350323	2059.653	2129.224
33)	Chlordane...	7.671	8.146	46466698	24070019	2092.174	2083.162
34)	Chlordane...	8.229	8.802	13990764	7858554	2020.891	2053.200
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

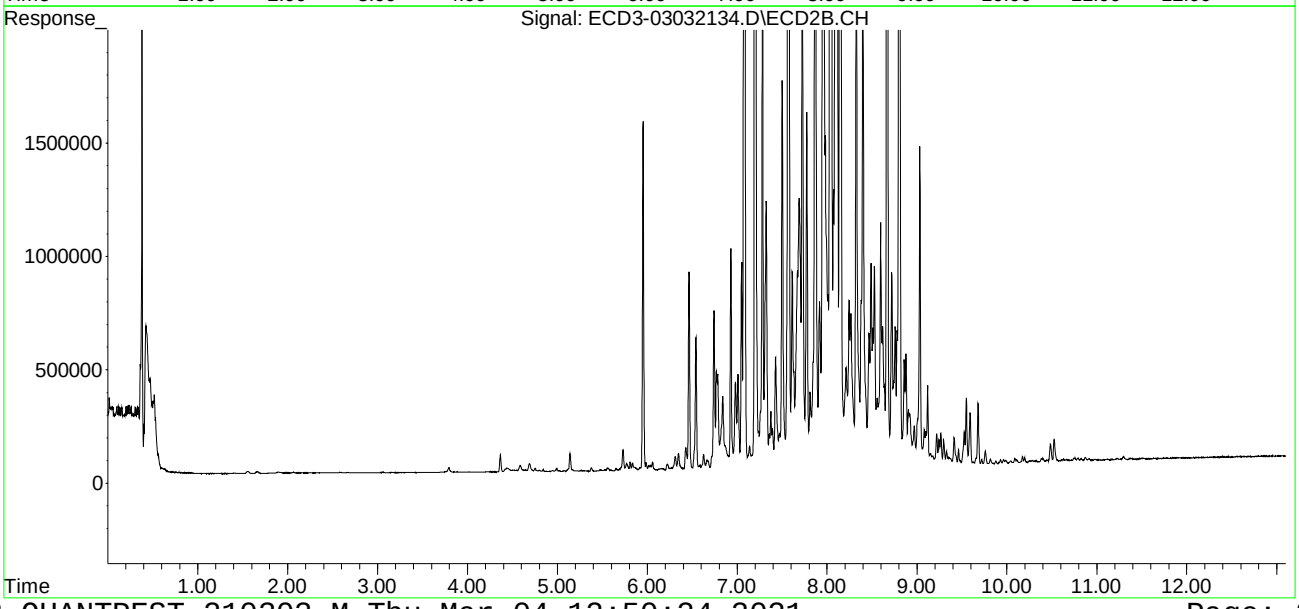
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 21:42
Operator : MJB
Sample : 1C03049-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:18:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:19:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:19:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

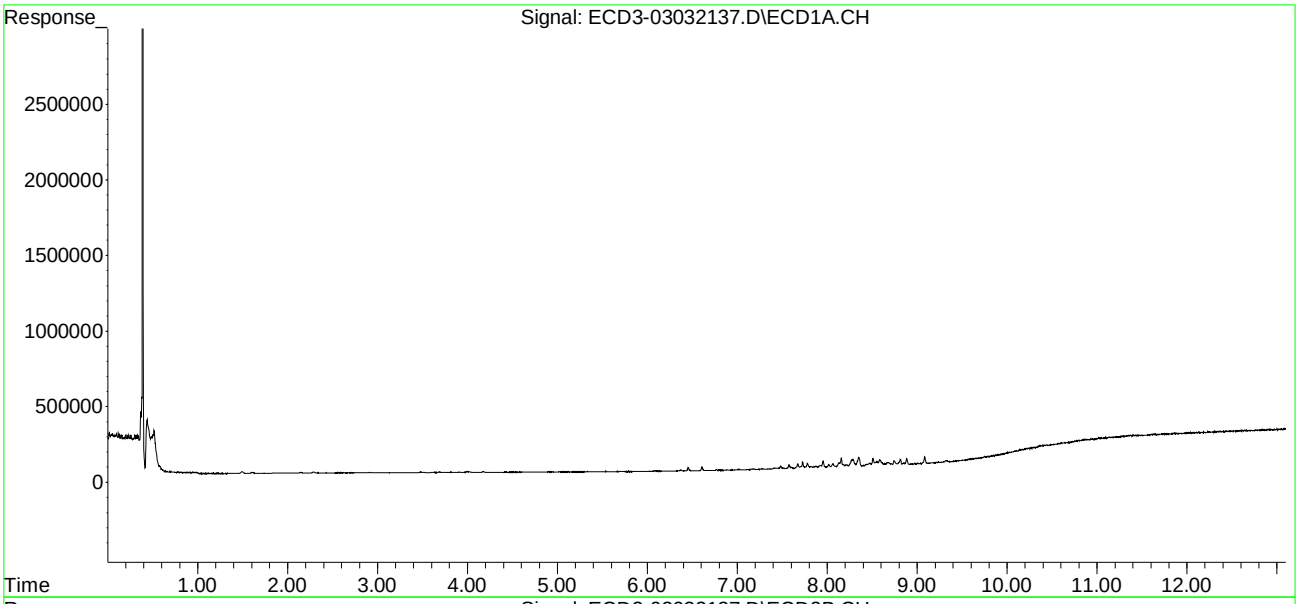
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.674	8.370	31542	12928	34.265	9.341 #
37)	Toxaphene...	7.953	8.723	44204	15425	23.006	10.684 #
38)	Toxaphene...	8.277	8.765	41602	28217	10.747	13.197
39)	Toxaphene...	8.509	8.823	50020	39741	12.325	11.442
40)	Toxaphene...	8.744	9.003	26884	41540	8.423	20.234 #
41)	Toxaphene...	8.814	9.376	34356	22966	9.508	10.806
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

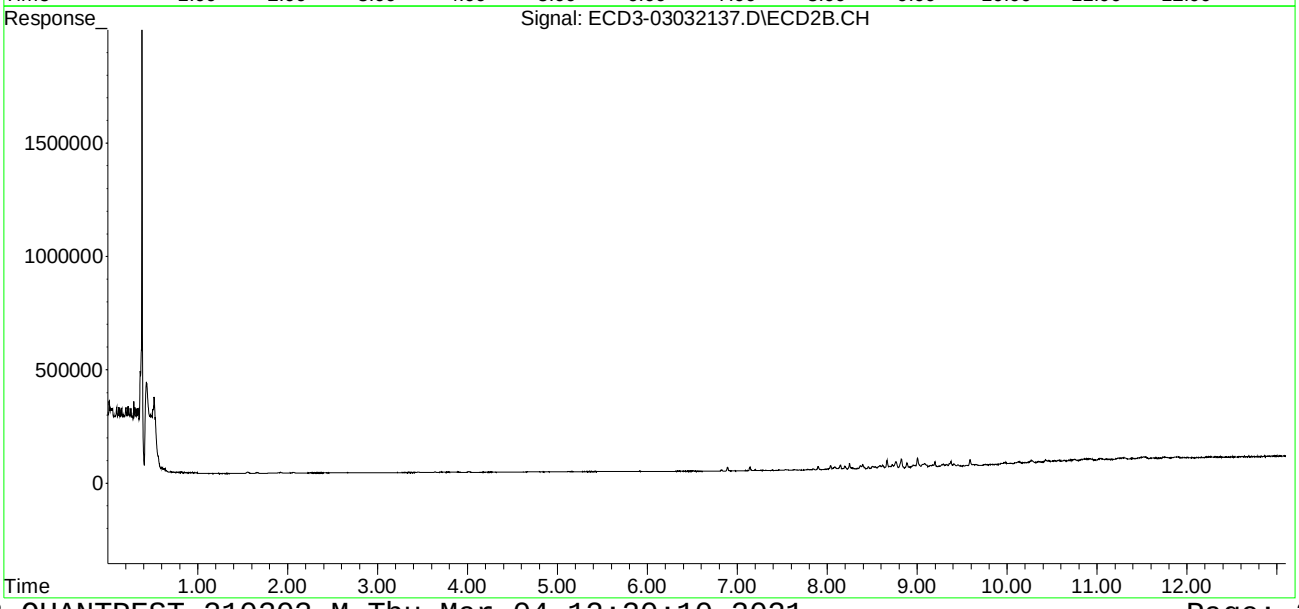
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:19:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

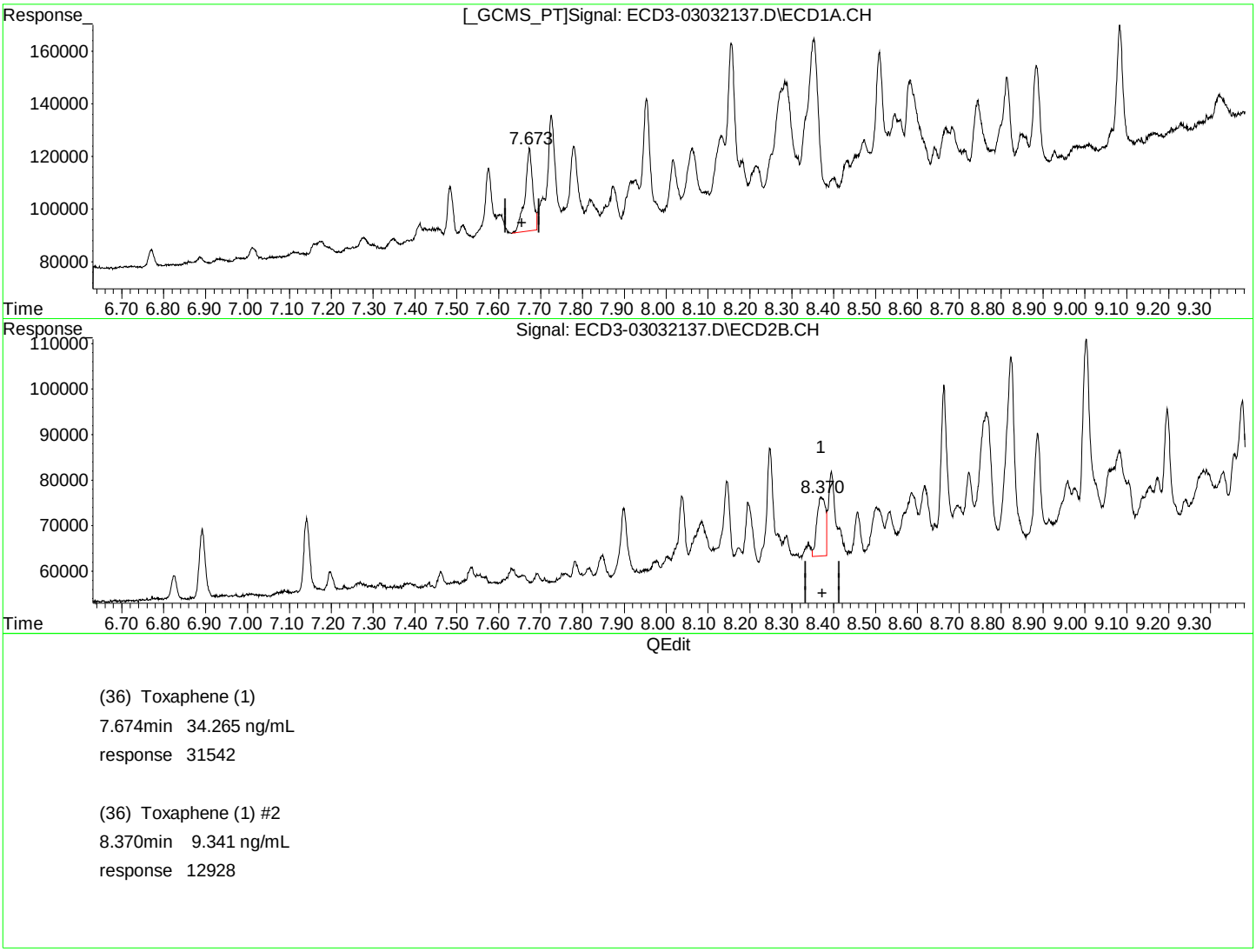




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:19:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.674min 34.265 ng/mL
response 31542

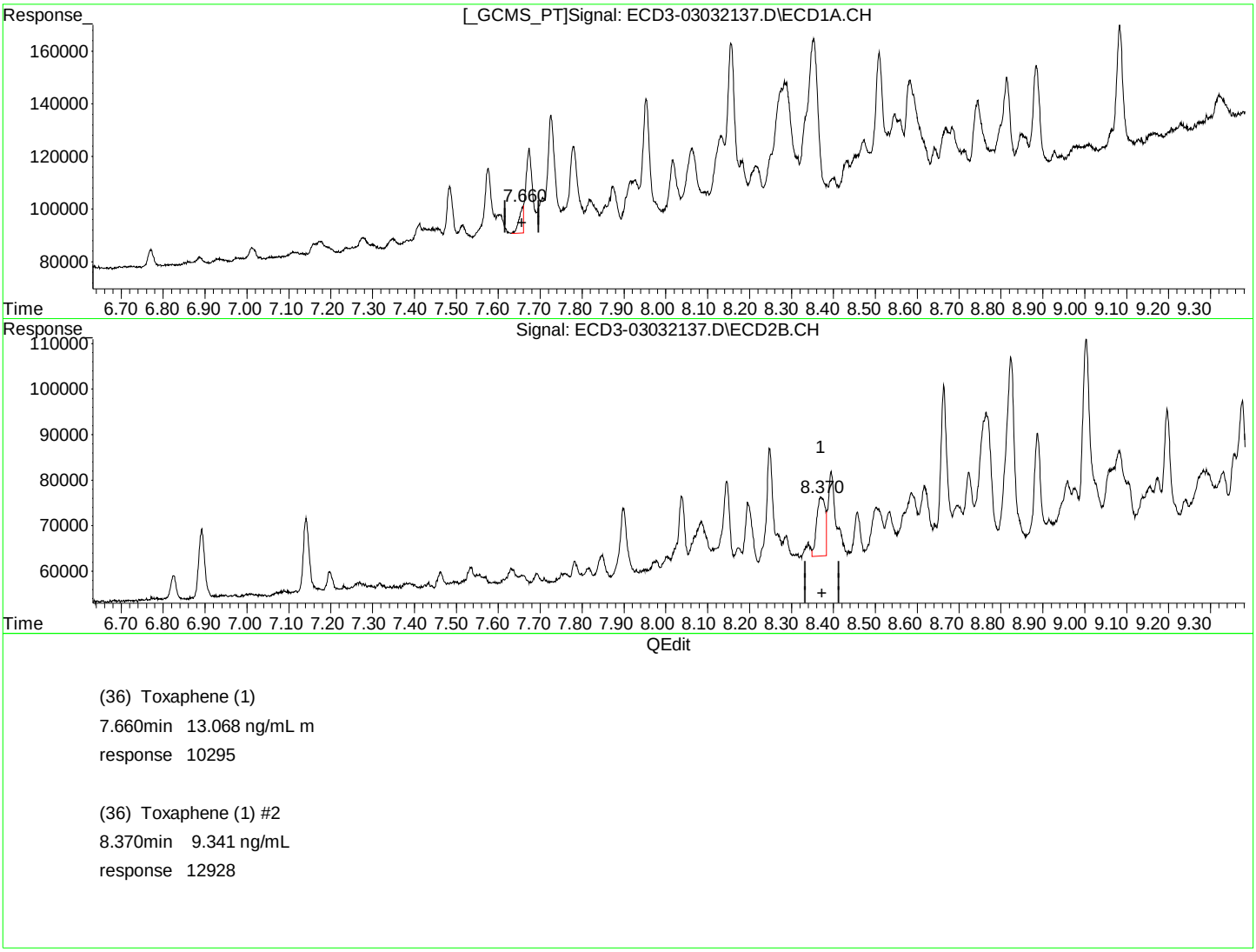
(36) Toxaphene (1) #2
8.370min 9.341 ng/mL
response 12928

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:19:52 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.660min 13.068 ng/mL m
response 10295

(36) Toxaphene (1) #2
8.370min 9.341 ng/mL
response 12928

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ MJB 3/4/21
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:20:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:20:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Curve point was not used in the calibration.

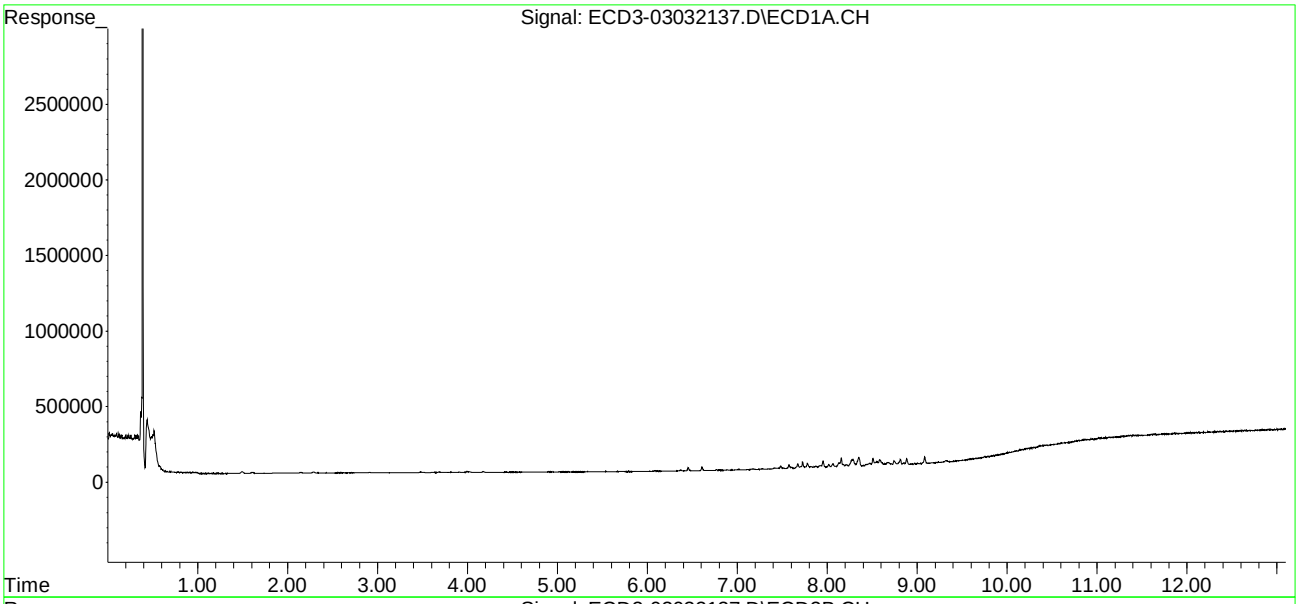
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.660	8.370	10295	12928	13.068m	9.341
37)	Toxaphene...	7.953	8.723	~~44204~~	15425	23.006	10.684 #
38)	Toxaphene...	8.277	8.765	41602	28217	10.747	13.197
39)	Toxaphene...	8.509	8.823	50020	39741	12.325	11.442
40)	Toxaphene...	8.744	9.003	26884	~~41540~~	8.423	20.234 #
41)	Toxaphene...	8.814	9.376	34356	22966	9.508	10.806
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

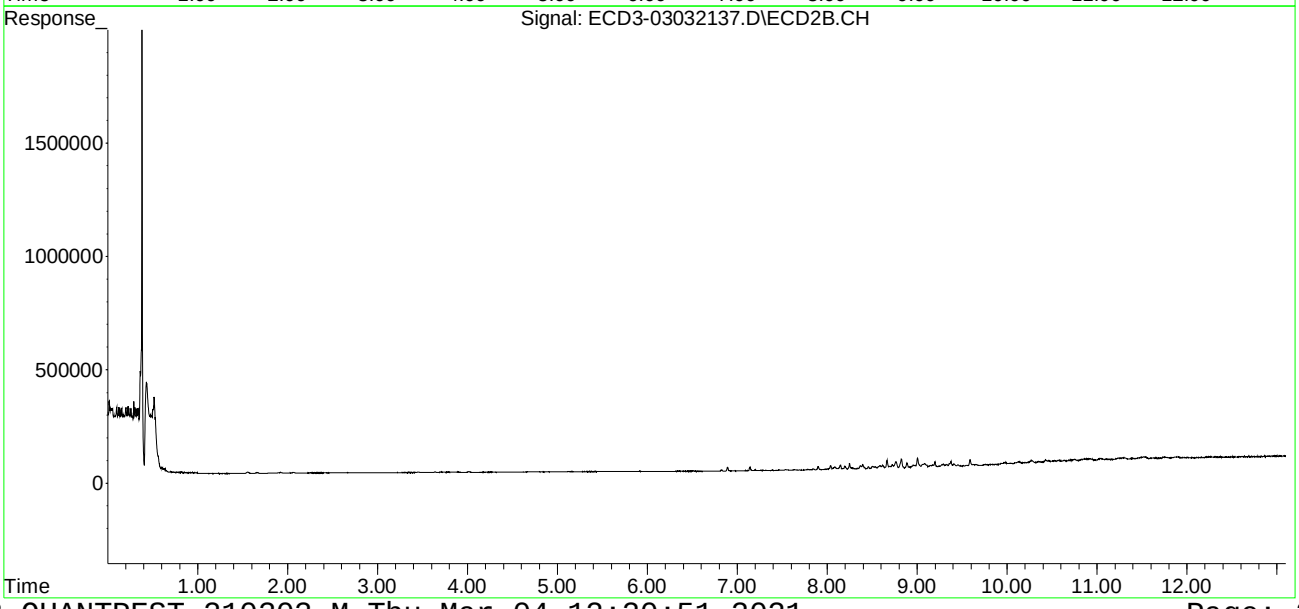
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:34
Operator : MJB
Sample : 1C03049-CALQ
Misc : A21C052, TOX 10 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:20:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:51
Operator : MJB
Sample : 1C03049-CALR MJB 3/4/21
Misc : A20K260, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:22:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:51
Operator : MJB
Sample : 1C03049-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:22:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

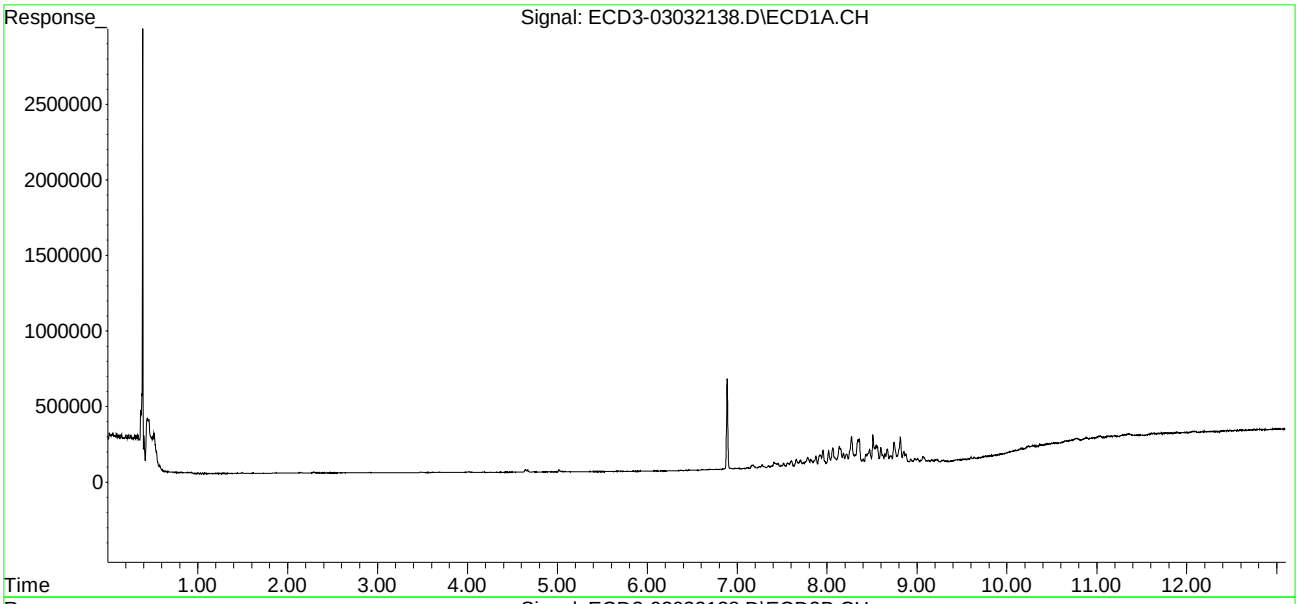
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.656	8.373	48277	67589	51.029	53.177
37)	Toxaphene...	7.953	8.723	104221	70999	54.243	49.178
38)	Toxaphene...	8.272	8.755	189749	105628	49.018	49.403
39)	Toxaphene...	8.510	8.824	195608	173570	48.198	49.972
40)	Toxaphene...	8.743	9.001	141648	104471	44.381	50.888
41)	Toxaphene...	8.813	9.375	172482	101106	47.734	47.572
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

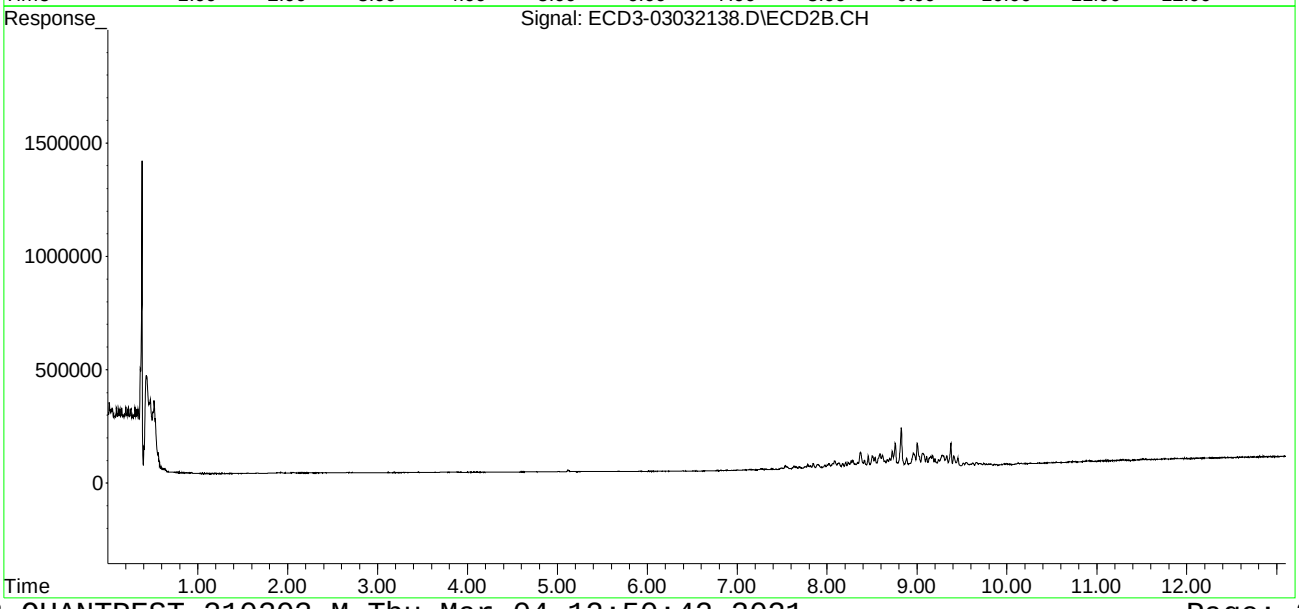
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 22:51
Operator : MJB
Sample : 1C03049-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:22:11 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:08
Operator : MJB
Sample : 1C03049-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 3/4/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:22:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:08
Operator : MJB
Sample : 1C03049-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:22:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

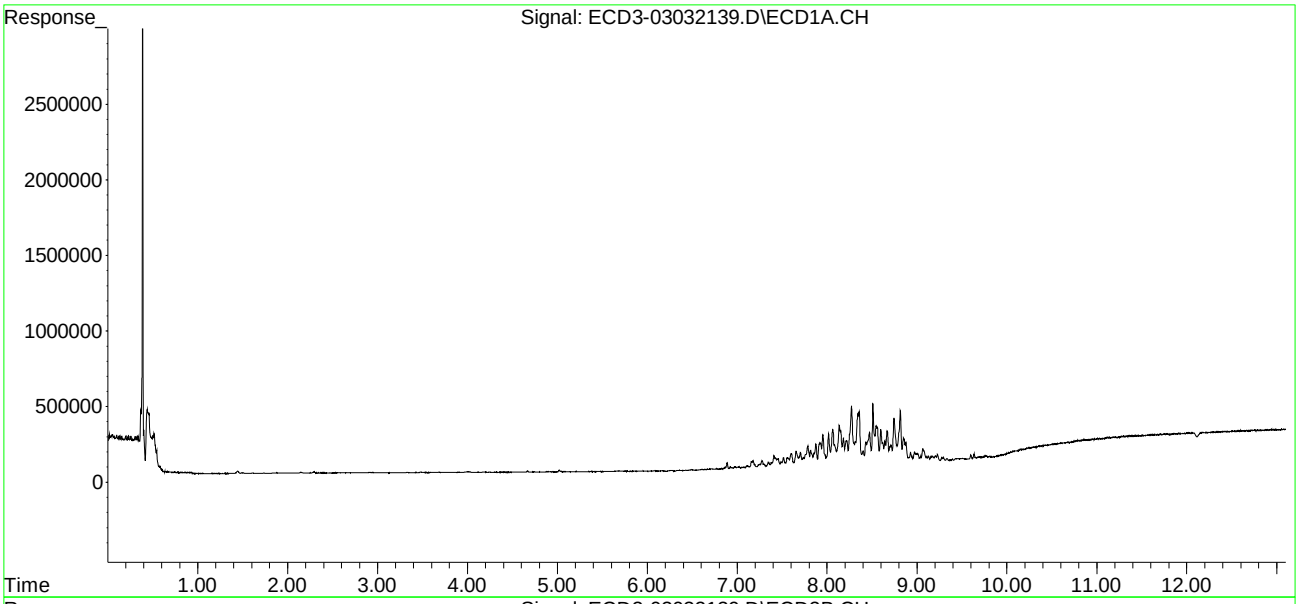
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.655	8.373	100418	133033	103.655	106.241
37)	Toxaphene...	7.952	8.723	204555	144955	106.464	100.404
38)	Toxaphene...	8.271	8.756	387244	208595	100.037	97.561
39)	Toxaphene...	8.509	8.823	398477	346487	98.185	99.755
40)	Toxaphene...	8.743	9.002	294995	207149	92.428	100.904
41)	Toxaphene...	8.813	9.375	344725	205315	95.403	96.605
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

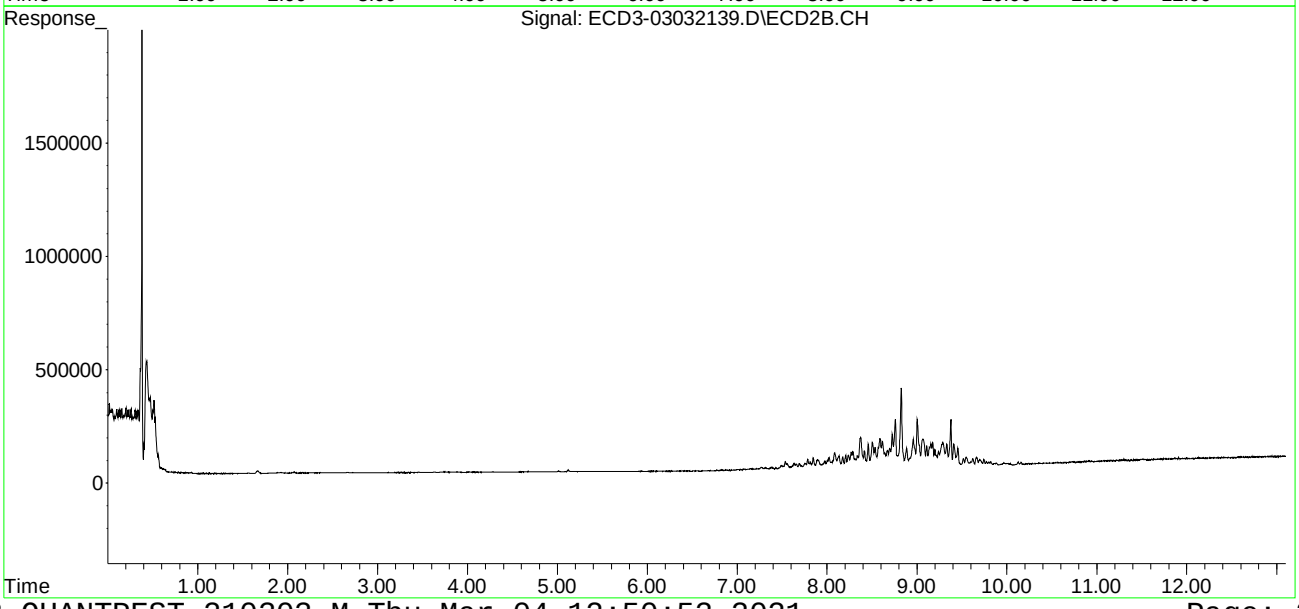
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:08
Operator : MJB
Sample : 1C03049-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:22:42 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:25
Operator : MJB
Sample : 1C03049-CALT MJB 3/4/21
Misc : A20K262, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:23:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:25
Operator : MJB
Sample : 1C03049-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:23:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

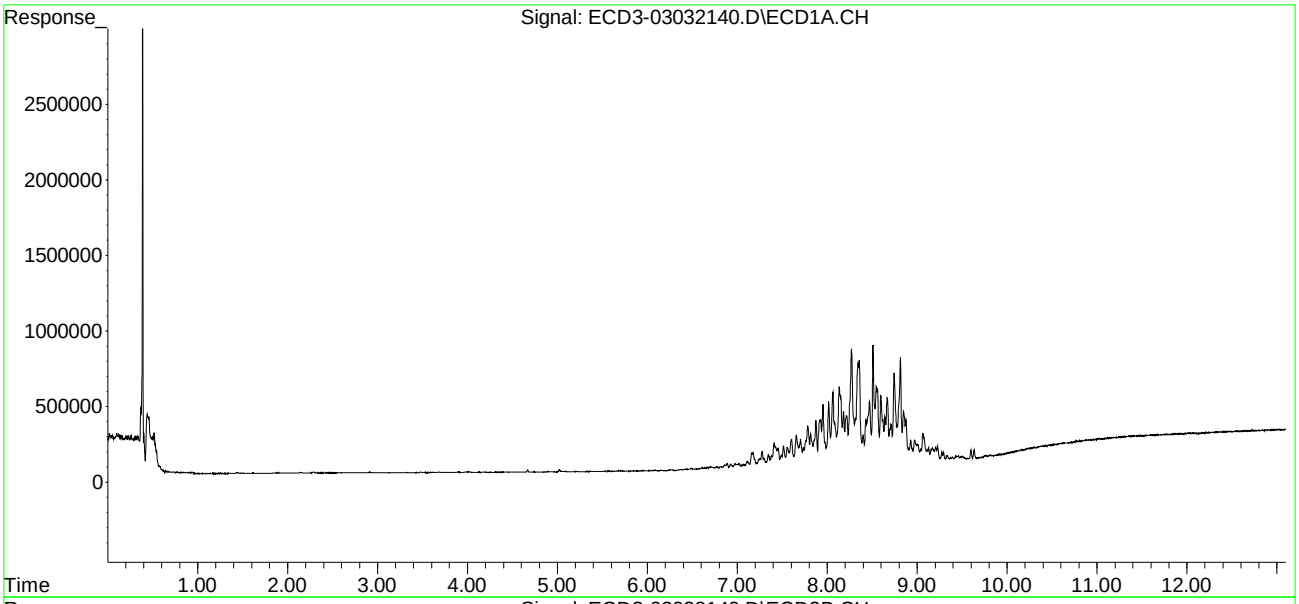
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.656	8.373	202555	258740	208.539	210.029
37)	Toxaphene...	7.952	8.723	396952	282259	206.599	195.508
38)	Toxaphene...	8.271	8.756	751809	399055	194.216	186.640
39)	Toxaphene...	8.509	8.824	778575	682894	191.841	196.608
40)	Toxaphene...	8.743	9.002	588222	411452	184.302	200.421
41)	Toxaphene...	8.813	9.375	688086	400525	190.428	188.456
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

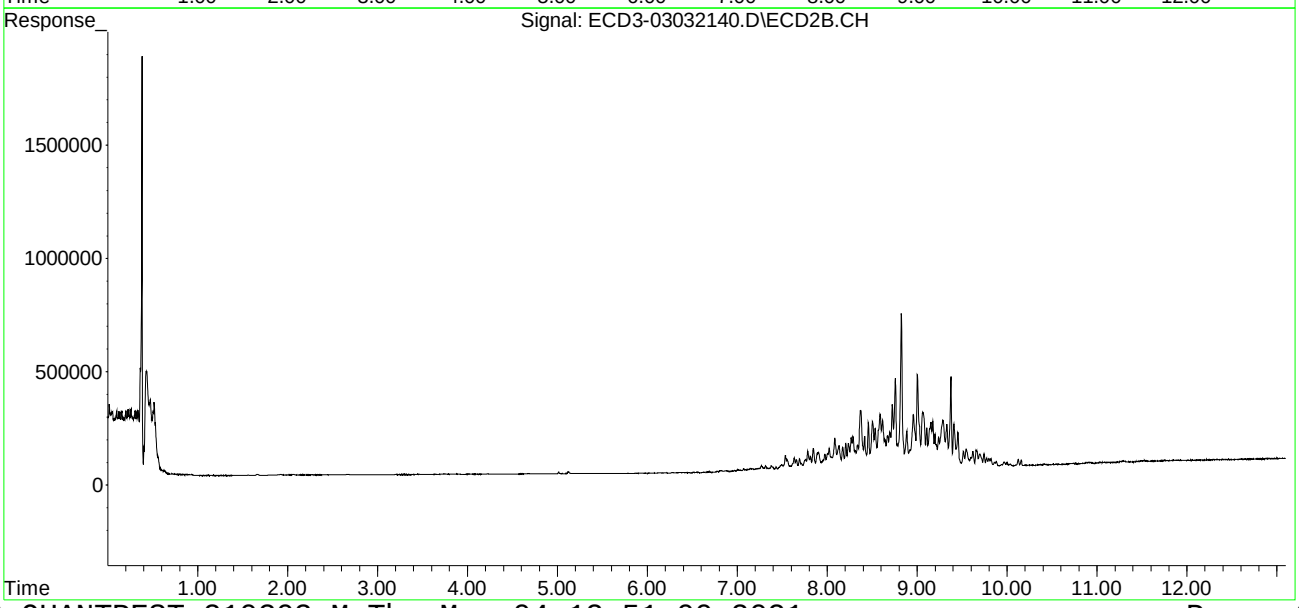
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:25
Operator : MJB
Sample : 1C03049-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:23:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:42
Operator : MJB
Sample : 1C03049-CALU MJB 3/4/21
Misc : A20K263, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:10:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:08:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:42
Operator : MJB
Sample : 1C03049-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:10:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:08:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

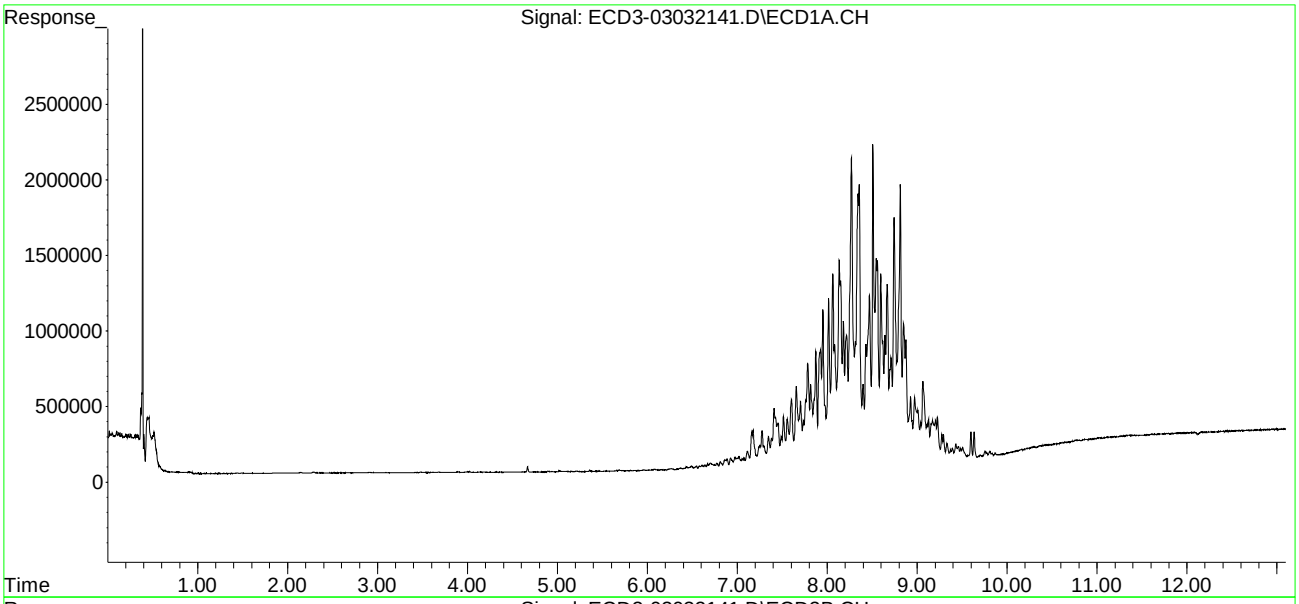
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.656	8.373	517412	657692	548.612	557.679
37)	Toxaphene...	7.952	8.723	1019158	756638	530.435	524.090
38)	Toxaphene...	8.271	8.756	2014099	1102207	520.304	515.508
39)	Toxaphene...	8.509	8.824	2094580	1820266	516.105	524.063
40)	Toxaphene...	8.743	9.002	1607314	1091933	503.604	531.889
41)	Toxaphene...	8.813	9.375	1824963	1080933	505.059	508.603
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

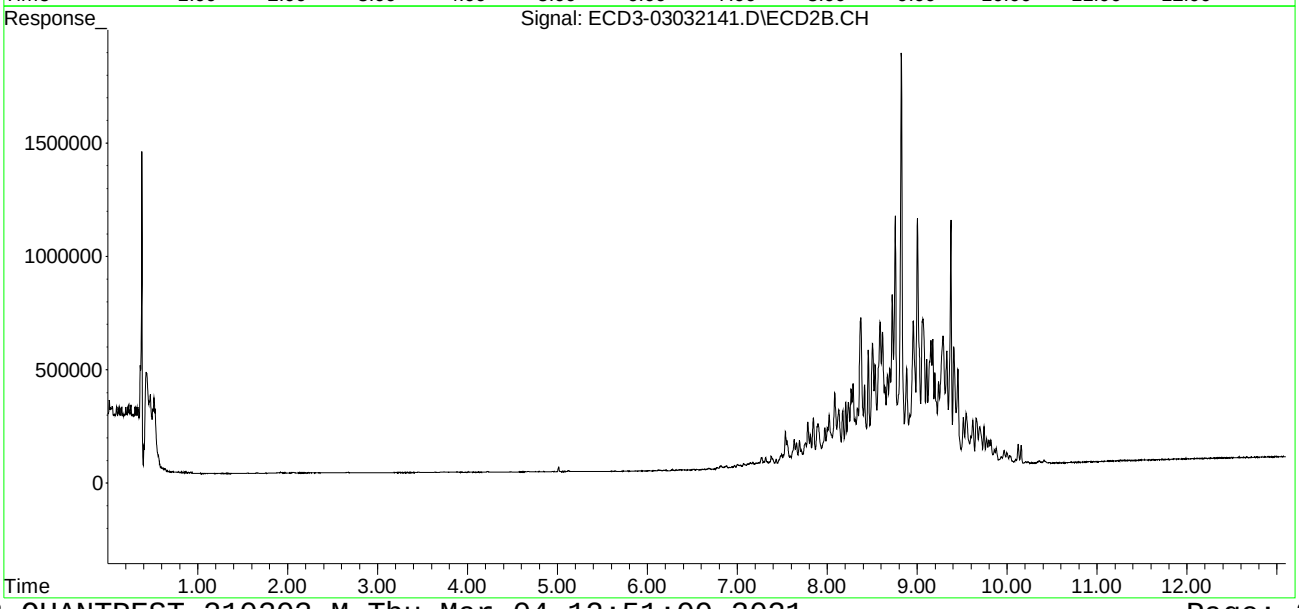
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:42
Operator : MJB
Sample : 1C03049-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:10:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:08:59 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:59
Operator : MJB
Sample : 1C03049-CALV MJB 3/4/21
Misc : A20K264, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:23:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:59
Operator : MJB
Sample : 1C03049-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:23:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

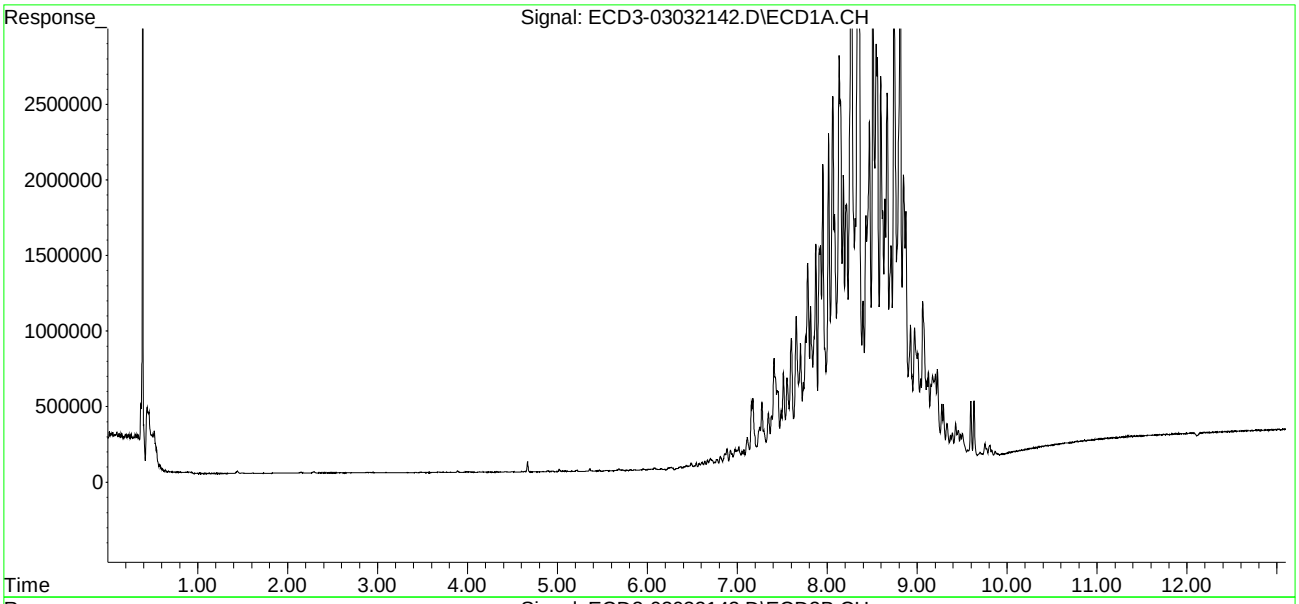
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.655	8.373	979188	1274272	1105.534	1166.485
37)	Toxaphene...	7.951	8.723	1975754	1487397	1028.308	1030.254
38)	Toxaphene...	8.270	8.756	4064381	2197406	1049.956	1027.738
39)	Toxaphene...	8.508	8.824	4191330	3640794	1032.744	1048.202
40)	Toxaphene...	8.742	9.002	3218724	2216353	1008.492	1079.602
41)	Toxaphene...	8.812	9.374	3659782	2174424	1012.845	1023.113
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

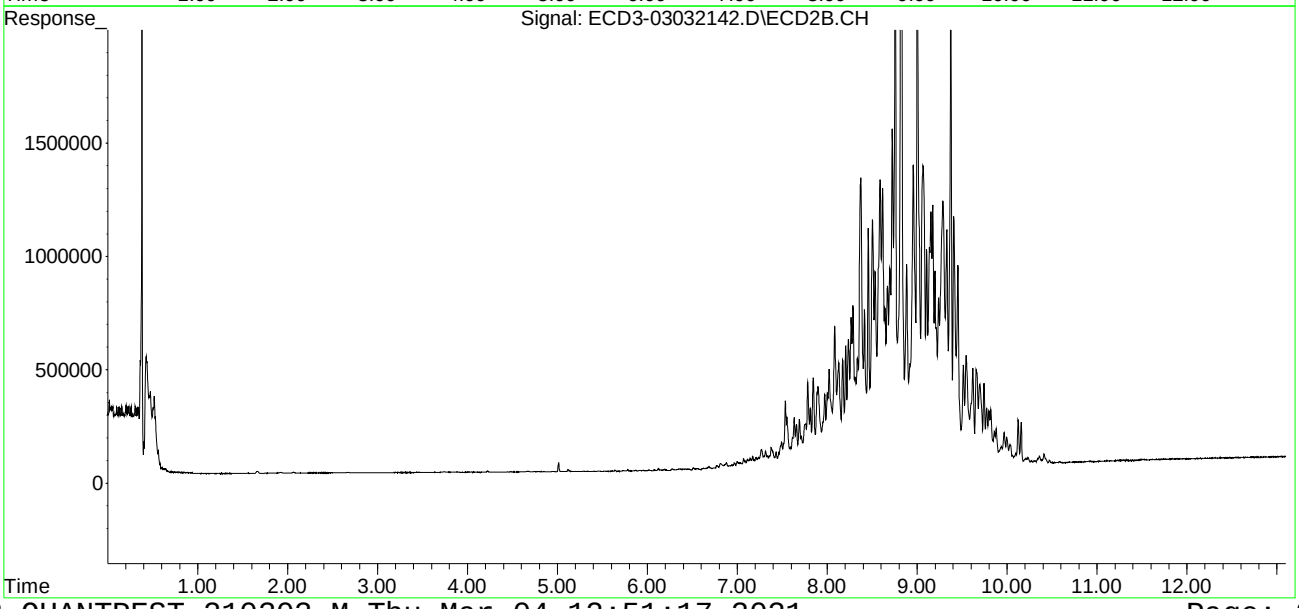
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 03 Mar 2021 23:59
Operator : MJB
Sample : 1C03049-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:23:48 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:16
Operator : MJB
Sample : 1C03049-CALW MJB 3/4/21
Misc : A20K259, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:24:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:16
Operator : MJB
Sample : 1C03049-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:24:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

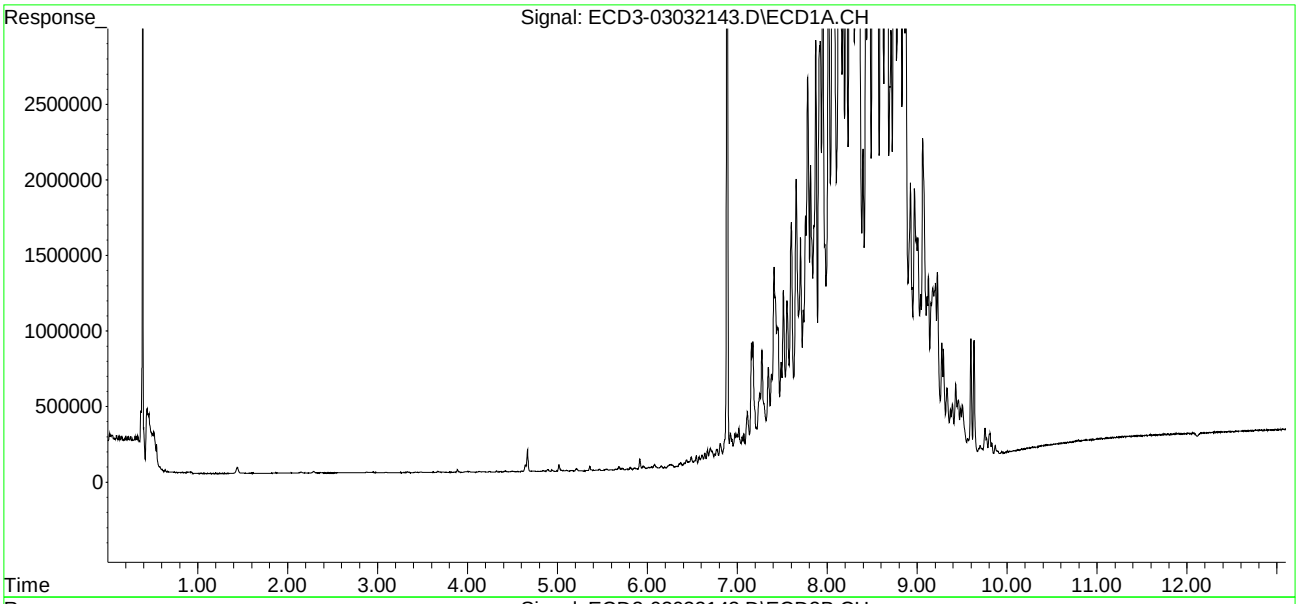
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.655	8.373	1874003	2492166	2569.224	2980.817
37)	Toxaphene...	7.951	8.723	3751267	2916552	1952.398	2020.167
38)	Toxaphene...	8.270	8.756	7792918	4270746	2013.152	1997.449
39)	Toxaphene...	8.508	8.823	8204015	7085052	2021.471	2039.820
40)	Toxaphene...	8.742	9.002	6493295	4224661	2034.482	2057.863
41)	Toxaphene...	8.812	9.375	7207527	4372411	1994.684	2057.314
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

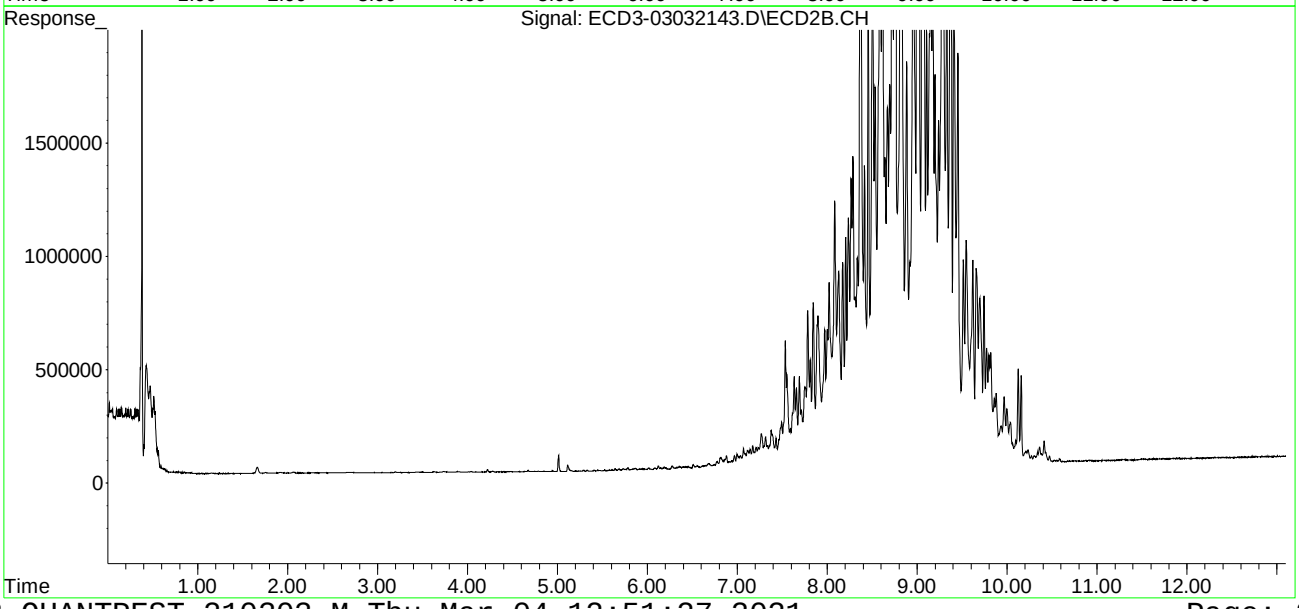
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-03\1C03049\
Data File : ECD3-03032143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 04 Mar 2021 0:16
Operator : MJB
Sample : 1C03049-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Mar 04 12:24:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_210303.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Mar 04 12:10:57 2021
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





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

Semivolatile Organic Compounds by EPA 8270E
Benchsheet & Analysis Sequence Data

Batch 1050273
Sequence 1E10040 (A1E0219-01,02RE1)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050273 (Water)

Prep Method: EPA 3510C (Acid Extraction)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050273-BLK1		QC	05/10/21 07:24	1100	1				100					
	1050273-BSD1		QC	05/10/21 07:24	1000	1	A21D206		50	100					
	1050273-BS1		QC	05/10/21 07:24	1000	1	A21D206		50	100					
	A1E0086-01	E	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	1030	1				100	GW-PW-23A-0521				
	A1E0219-01	G	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	1070	1				100	SC-FB-2105030940	MDL			
	A1E0219-02	G	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	1070	1				100	SC-RB-2105030901	MDL			
	A1E0219-02RE1	G	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	1070	1				100	SC-RB-2105030901	Added 5/10/2021 by ams			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A21A018	01/04/23	Conc. HCl - Omnitrace
A21A347	07/25/21	DCM lot # 207252
A21C112	09/06/21	Sodium Sulfate Lot # 204081

Analyte Spike(s)

Std ID	Exp. Date	Description
A21D206	10/11/21	8270E PAH+/Phenols (JSCS) Spike @ 80 PPM

Surrogate(s)

Std ID	Exp. Date	Description
A21D244	10/13/21	PAH Soil and Water Surr. (50ppm)

3x Rinse:

Witness:_____

Bottle Check:_____

Prepared By: _____ Date _____

Reviewed By: AMS Date 5/10/21

Analyst Review: _____ Date _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050273 (Water)

Prep Method: EPA 3510C (Acid Extraction)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050273-BLK1		QC	05/10/21 07:24	~~1000~~ 100	1				100			✓		
	1050273-BSD1		QC	05/10/21 07:24	1000	1	A21D206		50	100			✓		
	1050273-BS1		QC	05/10/21 07:24	1000	1	A21D206		50	100			✓		
	A1E0086-01	E	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	~~1000~~ 1030	1				100	GW-PW-23A-0521		✓		
	A1E0219-01	G	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	~~1000~~ 1070	1				100	SC-FB-2105030940	MDL	✓		
	A1E0219-02	G	8270E LL Pentachlorophenol (PCP)	05/10/21 07:24	~~1000~~ 1070	1				100	SC-RB-2105030901	MDL	✓		

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J185	04/10/26	Glass Wool
A21A018	01/04/23	Conc. HCl - Omnitrace
A21A347	07/25/21	DCM lot # 207252
A21C112	09/06/21	Sodium Sulfate Lot # 204081

Analyte Spike(s)

Std ID	Exp. Date	Description
~~A21D206~~	10/11/21	8270E PAH+/Phenols (JSCS) Spike @ 80 PPM

JAG

Surrogate(s)

Std ID	Exp. Date	Description
A21D244	10/13/21	PAH Soil and Water Surr. (50ppm)

JAG

3x Rinse: ✓

Witness: MEB 5/10/21

Bottle Check: MEB 5/10/21

JAG 5/10/21
Prepared By: Date

MEB 5/10/21
Reviewed By: Date

AMS 5/10/21
Analyst Review: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1E10040	Instrument:	SV-GCMS10
Date:	**05/10/21 08:07**	Calibration:	**A1C2507**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E10040-TUN1	Water	QC	QC			A21C124	A21D304
2	1E10040-CCV1	Water	QC	QC			A21C124	A21C131
3	1E10040-CCB1	Water	QC	QC			A21C124	
4	1050273-BLK1	Water	QC	QC		1050273	A21C124	
5	1050273-BS1	Water	QC	QC		1050273	A21C124	
6	1050273-BSD1	Water	QC	QC		1050273	A21C124	
7	A1E0219-01	Water	8270E LL Pentachlorophenol (PCP)	Anchor QEA, LLC	05/17/21	1050273	A21C124	
8	A1E0219-02	Water	8270E LL Pentachlorophenol (PCP)	Anchor QEA, LLC	05/17/21	1050273	A21C124	
9	A1E0219-02RE1	Water	8270E LL Pentachlorophenol (PCP)	Anchor QEA, LLC	05/17/21	1050273	A21C124	
10	A1E0086-01	Water	8270E LL Pentachlorophenol (PCP)		05/17/21	1050273	A21C124	
11	1E10040-IBL1	Water	QC	QC			A21C124	

Standard	Description:	Expires:
A21C124	PAH IntStd stock @ 2.0ppm	9/7/2021
A21C131	BNA+ CAL6 @1.0ppm	9/7/2021

Data Entered By/Date: AMS 5/10/21 Comments:

Data Reviewed By/Date: JK 5/11/21

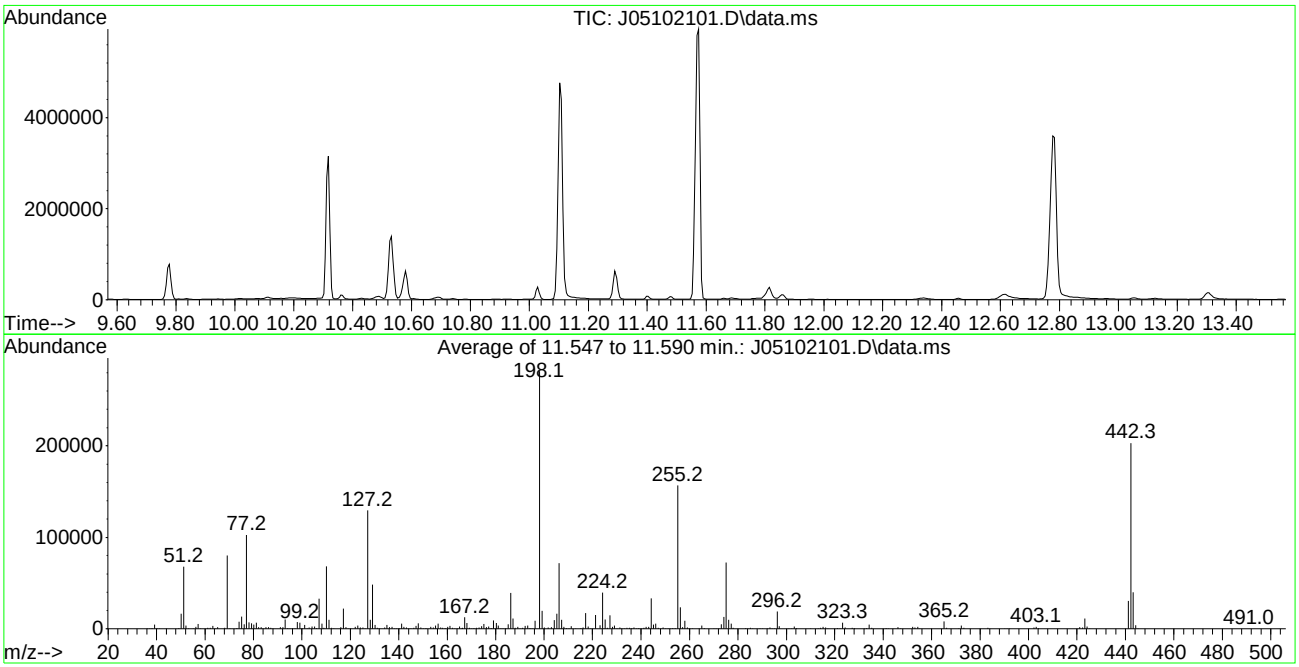
5/10/2021 3:32:44PM

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102101.D
Acq On : 10 May 2021 8:19 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-TUN1
Misc : 1x, A21D304 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : T:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon May 03 16:18:48 2021



Spectrum Information: Average of 11.547 to 11.590 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	1165	PASS
69	198	0.01	100	28.4	79924	PASS
70	69	0.00	2	0.6	473	PASS
197	198	0.00	2	0.0	25	PASS
198	198	100	100	100.0	281858	PASS
199	198	5	9	6.9	19443	PASS
365	198	1	100	2.8	8015	PASS
441	443	0.01	150	75.4	30234	PASS
442	198	0.10	200	72.1	203181	PASS
443	442	15	24	19.7	40099	PASS

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102101.D
Acq On : 10 May 2021 8:19 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-TUN1
Misc : 1x, A21D304 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 13:34:11 2021
Quant Method : T:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon May 03 16:18:48 2021
Response via : Initial Calibration
InstName : SV-GCMS10

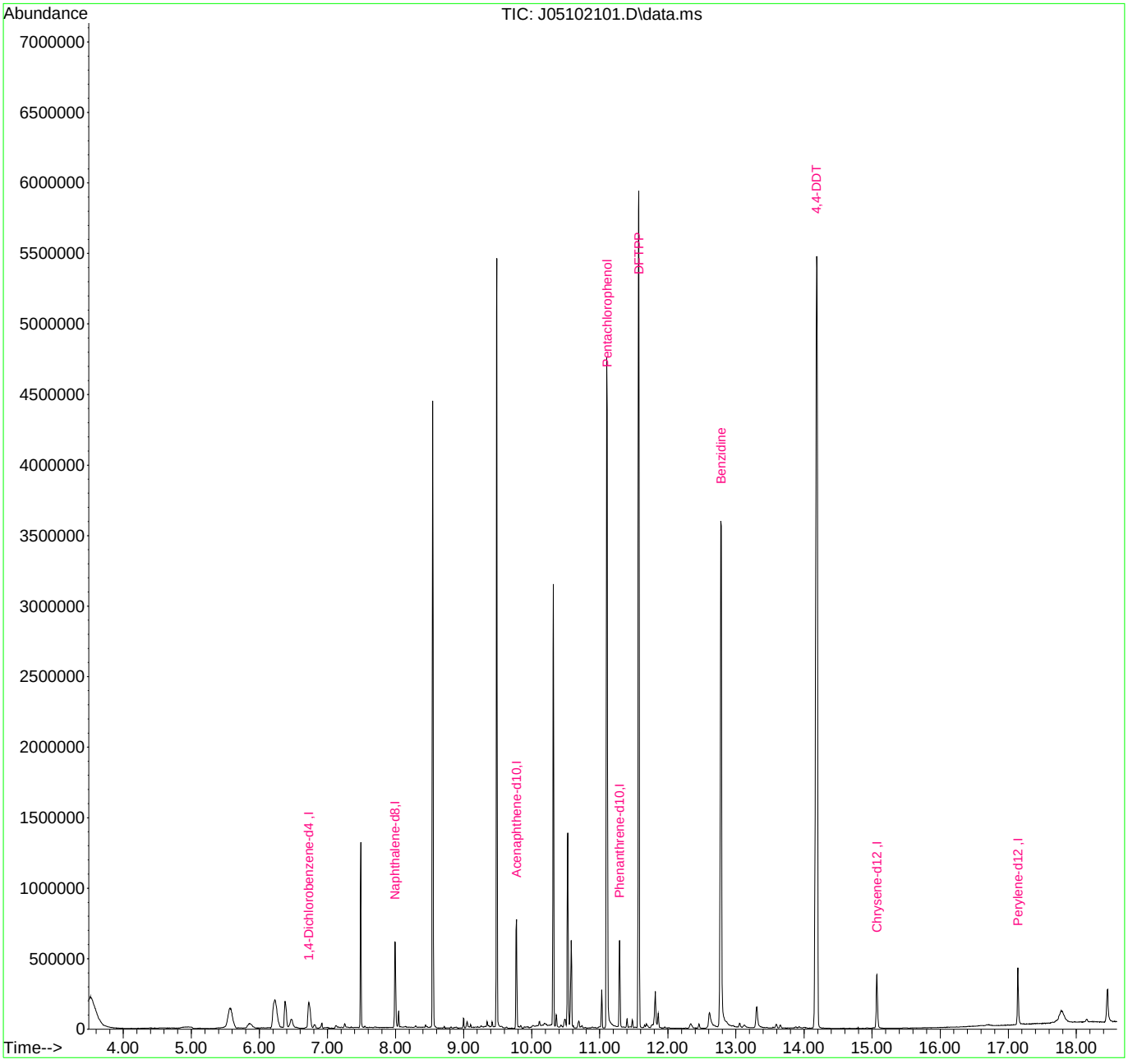
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.723	150	124266	2.00	ug/mL	-0.02
2) Naphthalene-d8	7.991	136	357017	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.777	162	173193	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.291	188	232927	2.00	ug/mL	0.00
11) Chrysene-d12	15.072	240	199793	2.00	ug/mL	0.00
12) Perylene-d12	17.142	264	179062	2.00	ug/mL	0.02
Target Compounds						Qvalue
4) Pentachlorophenol	11.109	266	636901	38.94	ug/mL	88
6) DFTPP	11.574	442	586735	31.20	ug/mL	85
7) Benzidine	12.783	184	2250196	27.16	ug/mL	96
8) 4,4-DDE	13.050	TIC	40549	No Calib		
9) 4,4-DDD	13.591	TIC	37119	No Calib		
10) 4,4-DDT	14.184	TIC	10024747	41.97	ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102101.D
Acq On : 10 May 2021 8:19 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-TUN1
Misc : 1x, A21D304 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 13:34:11 2021
Quant Method : T:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon May 03 16:18:48 2021
Response via : Initial Calibration
InstName : SV-GCMS10



DDT Breakdown Check (Validated 5/1/2013)

From:
1E0040-TUN1
SV-GCMS 10

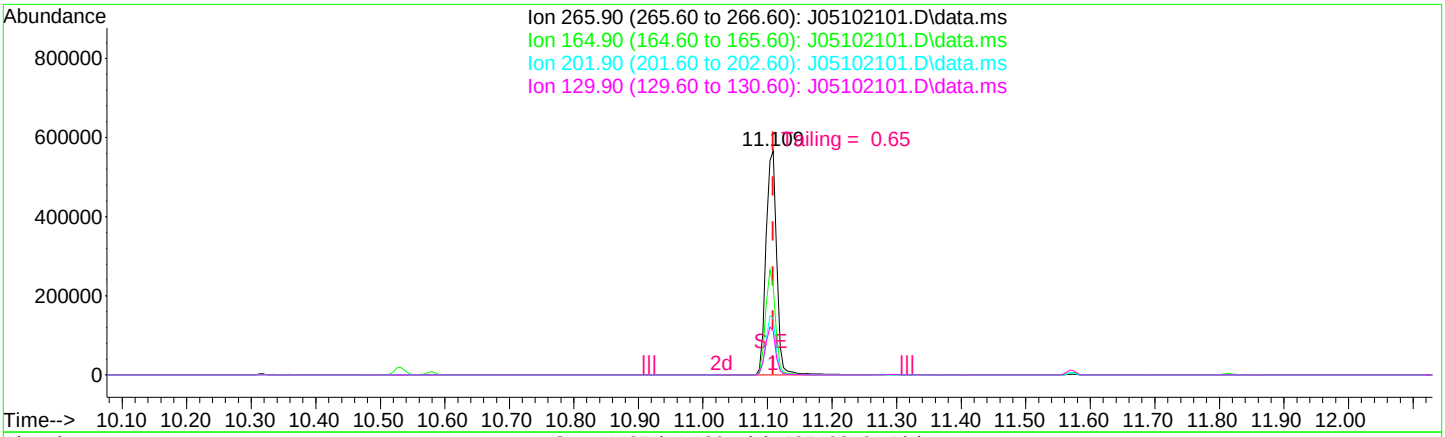
First Column	Area Counts	Percent Breakdown	
DDE	40549		
DDD	37119		
DDT	10024747	**0.77**	**PASS**

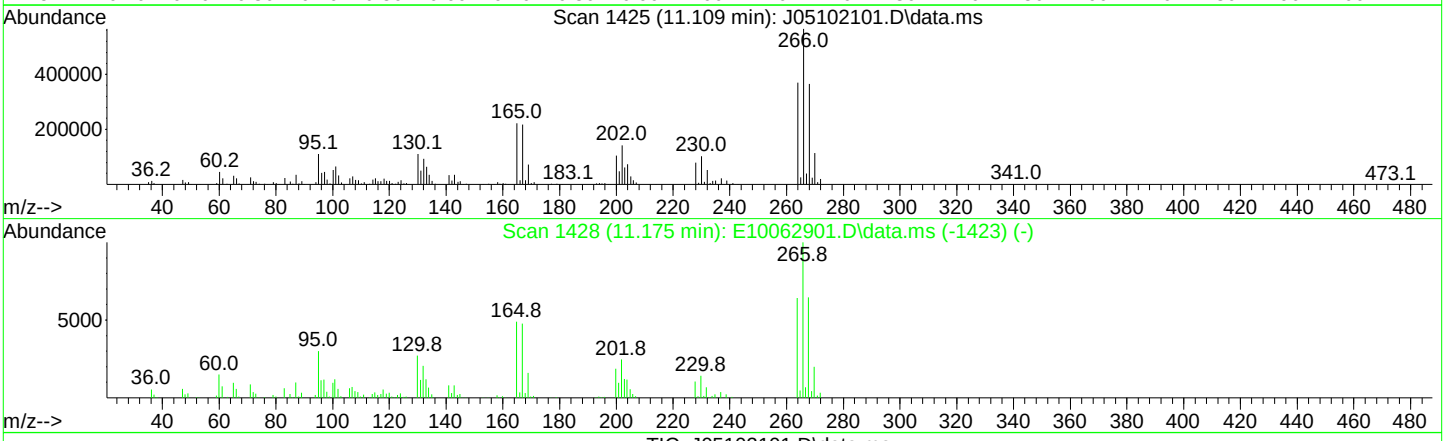
Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102101.D
Acq On : 10 May 2021 8:19 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-TUN1
Misc : 1x, A21D304 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 13:34:11 2021
Quant Method : T:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon May 03 16:18:48 2021
Response via : Initial Calibration
InstName : SV-GCMS10





TIC: J05102101.D\data.ms

(4) Pentachlorophenol

11.109min (0.000) 38.94 ug/mL

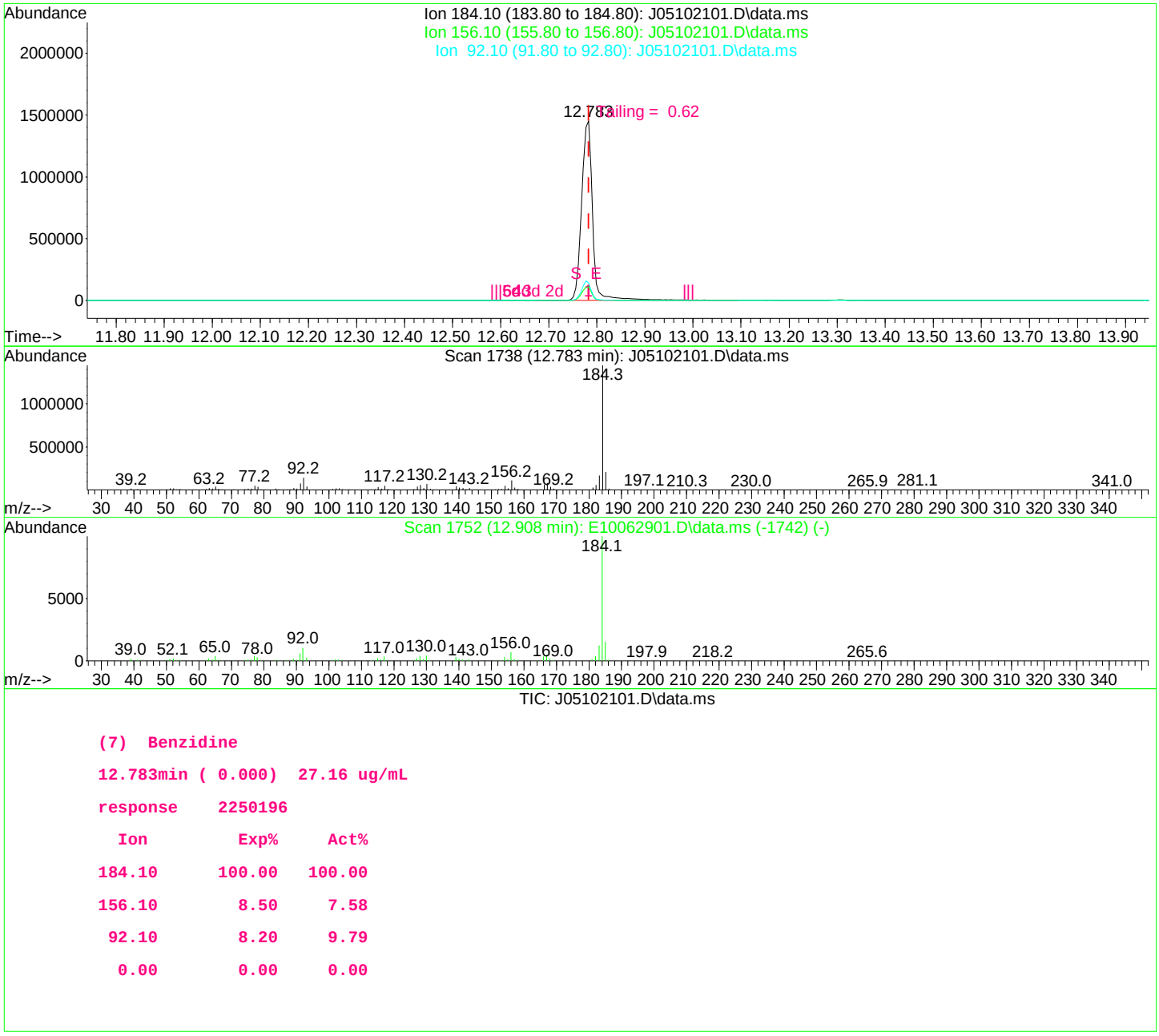
response 636901

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	39.42
201.90	25.80	25.12
129.90	27.30	19.62

Quantitation Report (Qedit)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102101.D
Acq On : 10 May 2021 8:19 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-TUN1
Misc : 1x, A21D304 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 10 13:34:11 2021
Quant Method : T:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon May 03 16:18:48 2021
Response via : Initial Calibration
InstName : SV-GCMS10



TIC: J05102101.D\data.ms

(7) Benzidine

12.783min (0.000) 27.16 ug/mL

response 2250196

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.58
92.10	8.20	9.79
0.00	0.00	0.00

Evaluate Continuing Calibration Report

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (IST	2000.000	2000.000	0.0	143	0.00
2	TG	N-Nitrosodimethylamine	1000.000	826.504	17.3	120	0.00
3	TG	Pyridine	1000.000	859.426	14.1	127	0.00
4	S	2-Fluorophenol (Surr)	1000.000	894.564	10.5	120	0.00
5	S	Phenol-d6(Surr)	1000.000	835.351	16.5	110	0.00
6	T	Phenol	1000.000	786.251	21.4#	105	0.00
7	T	Aniline	1000.000	366.316	63.4#	50	-0.01
8	T	Bis(2-chloroethyl) ether	1000.000	1129.510	-13.0	168	0.00
9	T	2-Chlorophenol	1000.000	921.858	7.8	125	0.00
10	T	1,3-Dichlorobenzene	1000.000	989.878	1.0	139	0.00
11	T	1,4-Dichlorobenzene	1000.000	976.687	2.3	140	0.00
12	T	Benzyl alcohol	1000.000	808.287	19.2	105	0.00
13	T	1,2-Dichlorobenzene	1000.000	988.913	1.1	137	0.00
14	T	2-Methylphenol	1000.000	863.063	13.7	109	0.00
15	T	2,2’-Oxybis(1-Chloropropane	1000.000	852.346	14.8	118	0.00
16	T	N-Nitrosodi-n-propylamine	1000.000	896.013	10.4	119	0.00
17	T	3+4-Methylphenol	1000.000	835.040	16.5	102	0.00
18	T	Hexachloroethane	1000.000	1053.191	-5.3	148	0.00
19	S	Nitrobenzene-d5 (Surr)	1000.000	897.945	10.2	119	0.00
20	T	Nitrobenzene	1000.000	864.153	13.6	113	0.00
21	I	Naphthalene-d8 (ISTD)	2000.000	2000.000	0.0	132	0.00
22	T	Isophorone	1000.000	937.487	6.3	121	0.00
23	T	2-Nitrophenol	1000.000	1088.964	-8.9	135	0.00
24	T	2,4-Dimethylphenol	1000.000	837.215	16.3	102	0.00
25	T	Bis(2-chloroethoxy) methane	1000.000	947.467	5.3	114	0.00
26	T	Benzoic acid	2000.000	1429.039	28.5#	72	-0.01
27	T	2,4-Dichlorophenol	1000.000	963.640	3.6	112	0.00
28	T	1,2,4-Trichlorobenzene	1000.000	1021.645	-2.2	132	0.00
29	T	Naphthalene	1000.000	1007.079	-0.7	128	0.00
30	T	4-Chloroaniline	1000.000	623.345	37.7#	74	0.00
31	T	Hexachlorobutadiene	1000.000	1088.350	-8.8	146	0.00
32	T	4-Chloro-3-methylphenol	1000.000	911.913	8.8	111	0.00

Evaluate Continuing Calibration Report

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
33	T	2-Methylnaphthalene	1000.000	1056.984	-5.7	127	0.00
34	T	1-Methylnaphthalene	1000.000	1089.934	-9.0	133	0.00
35	I	Acenaphthene-d10 (ISTD)	2000.000	2000.000	0.0	142	0.00
36	T	Hexachlorocyclopentadiene	1000.000	809.688	19.0	98	0.00
37	T	2,4,6-Trichlorophenol	1000.000	937.736	6.2	132	0.00
38	T	2,4,5-Trichlorophenol	1000.000	949.193	5.1	132	0.00
39	T	1,1'-Biphenyl	1000.000	1003.114	-0.3	131	0.00
40	S	2-Fluorobiphenyl (Surr)	1000.000	1040.728	-4.1	137	0.00
41	T	2-Chloronaphthalene	1000.000	1006.632	-0.7	130	0.00
42	T	2-Nitroaniline	1000.000	946.216	5.4	126	0.00
43	T	2,6-Dimethylnaphthalene	1000.000	1046.660	-4.7	137	0.00
44	T	1,4-Dinitrobenzene	1000.000	947.324	5.3	127	0.00
45	T	Dimethyl phthalate	1000.000	991.907	0.8	135	0.00
46	T	1,3-Dinitrobenzene	1000.000	904.493	9.6	121	0.00
47	T	2,6-Dinitrotoluene	1000.000	975.382	2.5	127	0.00
48	T	1,2-Dinitrobenzene	1000.000	956.858	4.3	126	0.00
49	T	Acenaphthylene	1000.000	1033.706	-3.4	137	0.00
50	T	3-Nitroaniline	1000.000	755.379	24.5#	107	0.00
51	T	Acenaphthene	1000.000	994.357	0.6	136	0.00
52	T	2,4-Dinitrophenol	1000.000	911.135	8.9	123	0.00
53	T	4-Nitrophenol	1000.000	743.777	25.6#	96	0.00
54	T	2,4-Dinitrotoluene	1000.000	961.729	3.8	127	0.00
55	T	Dibenzofuran	1000.000	964.401	3.6	131	0.00
56	T	2,3,5,6-Tetrachlorophenol	1000.000	967.375	3.3	133	0.00
57	T	2,3,4,6-Tetrachlorophenol	1000.000	1064.713	-6.5	138	0.00
58	T	Diethyl phthalate	1000.000	991.835	0.8	136	0.00
59	T	2,3,5-Trimethylnaphthalene	1000.000	988.258	1.2	137	0.00
60	T	Fluorene	1000.000	990.031	1.0	139	0.00
61	T	4-Chlorophenyl phenyl ether	1000.000	987.153	1.3	134	0.00
62	T	4-Nitroaniline	1000.000	1077.831	-7.8	140	0.00
63	T	4,6-Dinitro-2-methylphenol	1000.000	982.424	1.8	129	0.00

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
64	I	Phenanthrene-d10 (ISTD)	2000.000	2000.000	0.0	134	0.00
65	T	N-Nitrosodiphenylamine	1000.000	1003.552	-0.4	129	0.00
66	T	Azobenzene (1,2-DPH)	1000.000	940.992	5.9	116	0.00
67	S	2,4,6-Tribromophenol (Surr)	1000.000	1039.803	-4.0	127	0.00
68	T	4-Bromophenyl phenyl ether	1000.000	1020.582	-2.1	132	0.00
69	T	Hexachlorobenzene	1000.000	1094.789	-9.5	147	0.00
70	T	Pentachlorophenol (PCP)	1000.000	958.136	4.2	117	0.00
71	T	Phenanthrene	1000.000	981.195	1.9	130	0.00
72	T	Anthracene	1000.000	1012.747	-1.3	127	0.00
73	T	Carbazole	1000.000	900.675	9.9	123	0.00
74	T	Di-n-butyl phthalate	1000.000	1009.566	-1.0	124	0.00
75	T	Fluoranthene	1000.000	1013.101	-1.3	126	0.00
76	T	Benzidine	2000.000	453.207	77.3#	23	0.00
77	T	Pyrene	1000.000	1037.223	-3.7	131	0.00
78	I	Chrysene-d12 (ISTD)	2000.000	2000.000	0.0	134	0.00
79	S	Terphenyl-d14 (Surr)	1000.000	976.745	2.3	126	0.00
80	T	Butyl benzyl phthalate	1000.000	946.254	5.4	119	0.00
81	T	Bis(2-ethylhexyl) adipate	1000.000	917.236	8.3	116	0.00
82	T	3,3-Dichlorobenzidine	2000.000	1779.374	11.0	122	0.00
83	T	Benz(a)anthracene	1000.000	940.212	6.0	127	0.00
84	T	Chrysene	1000.000	949.216	5.1	122	0.00
85	T	Bis(2-ethylhexyl) phthalate	1000.000	961.653	3.8	121	0.00
86	I	Perylene-d12 (ISTD)	2000.000	2000.000	0.0	131	0.00
87	T	Di-n-octyl phthalate	1000.000	909.396	9.1	112	-0.01
88	T	Benzo(b)fluoranthene	1000.000	986.792	1.3	126	0.00
89	T	Benzo(k)fluoranthene	1000.000	1017.401	-1.7	122	0.00
90	T	Benzo(b+k)fluoranthene	2000.000	2017.993	-0.9	124	0.06
91	T	Benzo(e)pyrene	1000.000	992.414	0.8	122	0.00
92	T	Benzo(a)pyrene	1000.000	1038.527	-3.9	123	0.00
93	T	Perylene	1000.000	1012.980	-1.3	128	0.00

Evaluate Continuing Calibration Report

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
94	I	Dibenz(a,h)Anthrcene-d14 (I	2000.000	2000.000	0.0	125	-0.02
95	T	Indeno(1,2,3-cd)pyrene	1000.000	970.849	2.9	125	0.00
96	T	Dibenz(a,h)anthracene	1000.000	978.063	2.2	118	-0.01
97	T	Benzo(g,h,i)perylene	1000.000	996.685	0.3	121	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	316580	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1319829	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	711847	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1208788	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1081882	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.657	264	972107	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.037	292	847112	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	212689	894.56	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	239568	835.35	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	217430	897.94	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	559734	1040.73	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	62391	1039.80	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	574582	976.74	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.061	74	141076	826.50	ng/ml	77
3) Pyridine	4.077	79	209803	859.43	ng/ml	78
6) Phenol	6.355	94	248476	786.25	ng/ml	84
7) Aniline	6.377	93	111937	366.32	ng/ml	58
8) Bis(2-chloroethyl) ether	6.430	93	315354	1129.51	ng/ml	91
9) 2-Chlorophenol	6.500	128	221760	921.86	ng/ml	91
10) 1,3-Dichlorobenzene	6.644	146	261578	989.88	ng/ml	98
11) 1,4-Dichlorobenzene	6.714	146	256303	976.69	ng/ml	99
12) Benzyl alcohol	6.837	108	120602	808.29	ng/ml	86
13) 1,2-Dichlorobenzene	6.869	146	250101	988.91	ng/ml	95
14) 2-Methylphenol	6.944	107	155737	863.06	ng/ml	99
15) 2,2’-Oxybis(1-Chloropr...	6.960	45	263181	852.35	ng/ml	82
16) N-Nitrosodi-n-propylamine	7.088	70	164570	896.01	ng/ml	93
17) 3+4-Methylphenol	7.093	107	191497	835.04	ng/ml	97
18) Hexachloroethane	7.206	201	85253	1053.19	ng/ml	96
20) Nitrobenzene	7.265	77	209651	864.15	ng/ml	92
22) Isophorone	7.495	82	445827	937.49	ng/ml	94
23) 2-Nitrophenol	7.580	139	130574	1088.96	ng/ml	84
24) 2,4-Dimethylphenol	7.618	122	157292	837.21	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	239918	947.47	ng/ml	98
26) Benzoic acid	7.708	105	101374	1429.04	ng/ml	91
27) 2,4-Dichlorophenol	7.826	162	157776	963.64	ng/ml	98
28) 1,2,4-Trichlorobenzene	7.912	180	209650	1021.65	ng/ml	97
29) Naphthalene	7.987	128	694802	1007.08	ng/ml	99
30) 4-Chloroaniline	8.045	127	132870	623.35	ng/ml	93
31) Hexachlorobutadiene	8.120	225	124349	1088.35	ng/ml	99
32) 4-Chloro-3-methylphenol	8.521	107	176516	911.91	ng/ml	89
33) 2-Methylnaphthalene	8.687	142	495914	1056.98	ng/ml	97
34) 1-Methylnaphthalene	8.789	142	477549	1089.93	ng/ml	96
36) Hexachlorocyclopentadiene	8.853	237	85583	809.69	ng/ml	99
37) 2,4,6-Trichlorophenol	8.971	196	130646	937.74	ng/ml	99
38) 2,4,5-Trichlorophenol	9.014	198	127989	949.19	ng/ml	97
39) 1,1'-Biphenyl	9.158	154	600231	1003.11	ng/ml	99
41) 2-Chloronaphthalene	9.179	162	438520	1006.63	ng/ml	98
42) 2-Nitroaniline	9.281	138	136506	946.22	ng/ml	89
43) 2,6-Dimethylnaphthalene	9.318	156	461516	1046.66	ng/ml	97
44) 1,4-Dinitrobenzene	9.404	168	60927	947.32	ng/ml	84
45) Dimethyl phthalate	9.457	163	524995	991.91	ng/ml	98
46) 1,3-Dinitrobenzene	9.484	168	68897	904.49	ng/ml	86
47) 2,6-Dinitrotoluene	9.516	165	112115	975.38	ng/ml	69
48) 1,2-Dinitrobenzene	9.575	168	52076	956.86	ng/ml	71
49) Acenaphthylene	9.607	152	740664	1033.71	ng/ml	99
50) 3-Nitroaniline	9.698	138	78760	755.38	ng/ml	91
51) Acenaphthene	9.784	153	466393	994.36	ng/ml	99
52) 2,4-Dinitrophenol	9.800	184	27417	911.13	ng/ml	84
53) 4-Nitrophenol	9.869	139	54881	743.78	ng/ml	88
54) 2,4-Dinitrotoluene	9.928	165	141543	961.73	ng/ml	83
55) Dibenzofuran	9.955	168	627263	964.40	ng/ml	100
56) 2,3,5,6-Tetrachlorophenol	10.040	232	101153	967.38	ng/ml	94
57) 2,3,4,6-Tetrachlorophenol	10.083	232	107037	1064.71	ng/ml	96
58) Diethyl phthalate	10.169	149	513240	991.83	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.169	170	423209	988.26	ng/ml	90
60) Fluorene	10.308	166	516821	990.03	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.297	204	239087	987.15	ng/ml	94
62) 4-Nitroaniline	10.319	138	78369	1077.83	ng/ml	91
63) 4,6-Dinitro-2-methylph...	10.345	198	54237	982.42	ng/ml	94

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

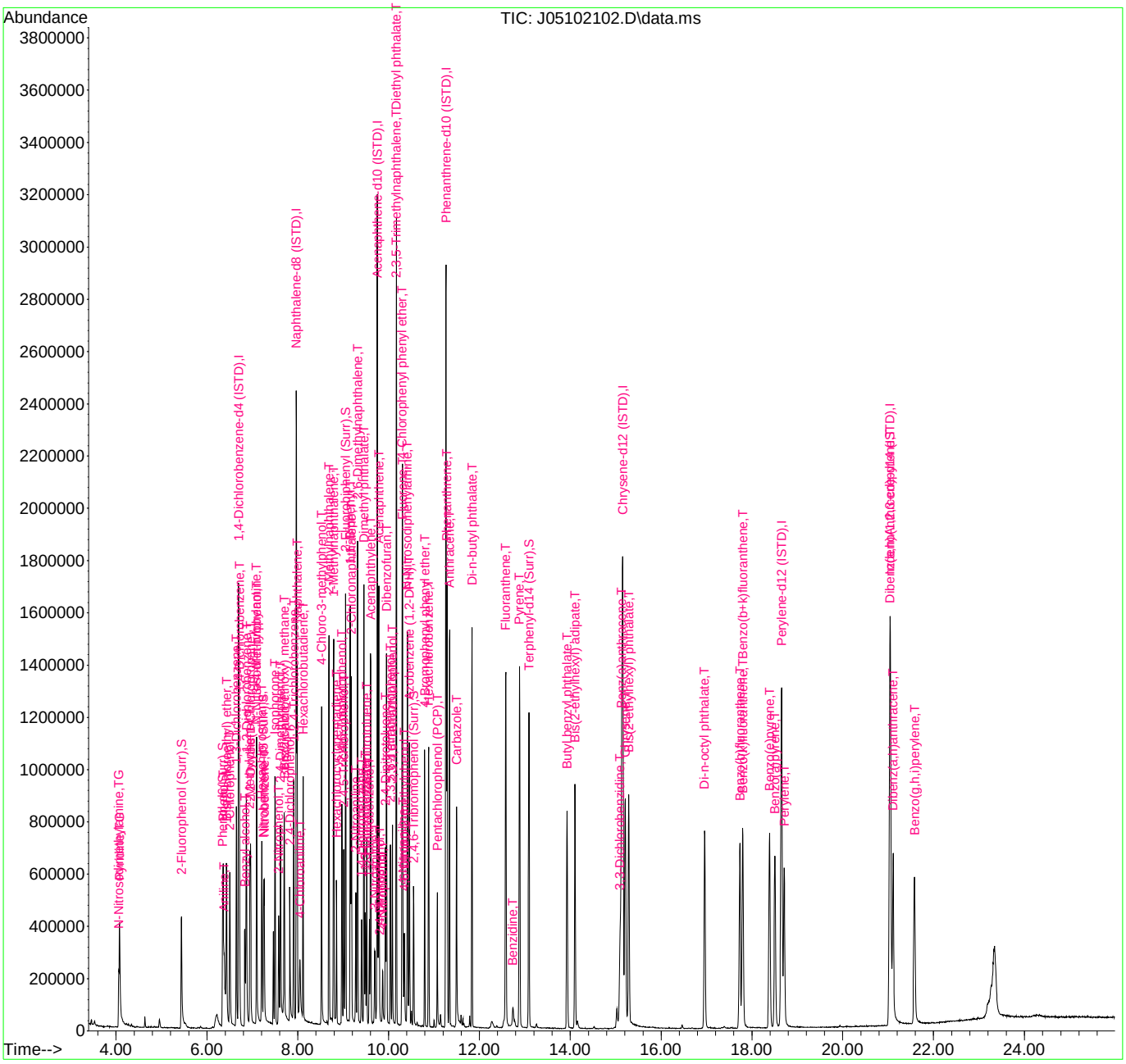
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.415	169	396933	1003.55	ng/ml	98
66) Azobenzene (1,2-DPH)	10.458	77	440605	940.99	ng/ml	92
68) 4-Bromophenyl phenyl e...	10.795	248	137624	1020.58	ng/ml	91
69) Hexachlorobenzene	10.880	284	163261	1094.79	ng/ml	91
70) Pentachlorophenol (PCP)	11.073	266	64732	958.14	ng/ml	97
71) Phenanthrene	11.287	178	705166	981.20	ng/ml	99
72) Anthracene	11.340	178	690952	1012.75	ng/ml	99
73) Carbazole	11.495	167	488858	900.68	ng/ml	99
74) Di-n-butyl phthalate	11.838	149	803760	1009.57	ng/ml	99
75) Fluoranthene	12.581	202	725633	1013.10	ng/ml	97
76) Benzidine	12.736	184	70235	453.21	ng/ml	98
77) Pyrene	12.881	202	764928	1037.22	ng/ml	98
80) Butyl benzyl phthalate	13.929	149	316610	946.25	ng/ml	91
81) Bis(2-ethylhexyl) adipate	14.105	129	299513	917.24	ng/ml	99
82) 3,3-Dichlorobenzidine	15.095	252	177280	1779.37	ng/ml	97
83) Benz(a)anthracene	15.127	228	628570	940.21	ng/ml	99
84) Chrysene	15.213	228	591737	949.22	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.287	149	444705	961.65	ng/ml	98
87) Di-n-octyl phthalate	16.956	149	717042	909.40	ng/ml	97
88) Benzo(b)fluoranthene	17.737	252	589944	986.79	ng/ml	99
89) Benzo(k)fluoranthene	17.801	252	584517	1017.40	ng/ml	99
90) Benzo(b+k)fluoranthene	17.801	252	1198728	2017.99	ng/ml	99
91) Benzo(e)pyrene	18.390	252	574620	992.41	ng/ml	98
92) Benzo(a)pyrene	18.507	252	547196	1038.53	ng/ml	98
93) Perylene	18.711	252	494944	1012.98	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.043	276	485601	970.85	ng/ml	99
96) Dibenz(a,h)anthracene	21.107	278	449742	978.06	ng/ml	98
97) Benzo(g,h,i)perylene	21.583	276	493416	996.68	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	316580	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1319829	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	711847	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1208788	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1081882	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.657	264	972107	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.037	292	847112	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	212689	894.56	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	239568	835.35	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	217430	897.94	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	559734	1040.73	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	62391	1039.80	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	574582	976.74	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.061	74	141076	826.50	ng/ml	77
3) Pyridine	4.077	79	209803	859.43	ng/ml	78
6) Phenol	6.355	94	248476	786.25	ng/ml	84
7) Aniline	6.377	93	111937	366.32	ng/ml	58
8) Bis(2-chloroethyl) ether	6.430	93	315354	1129.51	ng/ml	91
9) 2-Chlorophenol	6.500	128	221760	921.86	ng/ml	91
10) 1,3-Dichlorobenzene	6.644	146	261578	989.88	ng/ml	98
11) 1,4-Dichlorobenzene	6.714	146	256303	976.69	ng/ml	99
12) Benzyl alcohol	6.837	108	120602	808.29	ng/ml	86
13) 1,2-Dichlorobenzene	6.869	146	250101	988.91	ng/ml	95
14) 2-Methylphenol	6.944	107	155737	863.06	ng/ml	99
15) 2,2’-Oxybis(1-Chloropr...	6.960	45	263181	852.35	ng/ml	82
16) N-Nitrosodi-n-propylamine	7.088	70	164570	896.01	ng/ml	93
17) 3+4-Methylphenol	7.093	107	191497	835.04	ng/ml	97
18) Hexachloroethane	7.206	201	85253	1053.19	ng/ml	96
20) Nitrobenzene	7.265	77	209651	864.15	ng/ml	92
22) Isophorone	7.495	82	445827	937.49	ng/ml	94
23) 2-Nitrophenol	7.580	139	130574	1088.96	ng/ml	84
24) 2,4-Dimethylphenol	7.618	122	157292	837.21	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	239918	947.47	ng/ml	98
26) Benzoic acid	7.708	105	101374	1429.04	ng/ml	91
27) 2,4-Dichlorophenol	7.826	162	157776	963.64	ng/ml	98
28) 1,2,4-Trichlorobenzene	7.912	180	209650	1021.65	ng/ml	97
29) Naphthalene	7.987	128	694802	1007.08	ng/ml	99
30) 4-Chloroaniline	8.045	127	132870	623.35	ng/ml	93
31) Hexachlorobutadiene	8.120	225	124349	1088.35	ng/ml	99
32) 4-Chloro-3-methylphenol	8.521	107	176516	911.91	ng/ml	89
33) 2-Methylnaphthalene	8.687	142	495914	1056.98	ng/ml	97
34) 1-Methylnaphthalene	8.789	142	477549	1089.93	ng/ml	96
36) Hexachlorocyclopentadiene	8.853	237	85583	809.69	ng/ml	99
37) 2,4,6-Trichlorophenol	8.971	196	130646	937.74	ng/ml	99
38) 2,4,5-Trichlorophenol	9.014	198	127989	949.19	ng/ml	97
39) 1,1'-Biphenyl	9.158	154	600231	1003.11	ng/ml	99
41) 2-Chloronaphthalene	9.179	162	438520	1006.63	ng/ml	98
42) 2-Nitroaniline	9.281	138	136506	946.22	ng/ml	89
43) 2,6-Dimethylnaphthalene	9.318	156	461516	1046.66	ng/ml	97
44) 1,4-Dinitrobenzene	9.404	168	60927	947.32	ng/ml	84
45) Dimethyl phthalate	9.457	163	524995	991.91	ng/ml	98
46) 1,3-Dinitrobenzene	9.484	168	68897	904.49	ng/ml	86
47) 2,6-Dinitrotoluene	9.516	165	112115	975.38	ng/ml	69
48) 1,2-Dinitrobenzene	9.575	168	52076	956.86	ng/ml	71
49) Acenaphthylene	9.607	152	740664	1033.71	ng/ml	99
50) 3-Nitroaniline	9.698	138	78760	755.38	ng/ml	91
51) Acenaphthene	9.784	153	466393	994.36	ng/ml	99
52) 2,4-Dinitrophenol	9.800	184	27417	911.13	ng/ml	84
53) 4-Nitrophenol	9.869	139	54881	743.78	ng/ml	88
54) 2,4-Dinitrotoluene	9.928	165	141543	961.73	ng/ml	83
55) Dibenzofuran	9.955	168	627263	964.40	ng/ml	100
56) 2,3,5,6-Tetrachlorophenol	10.040	232	101153	967.38	ng/ml	94
57) 2,3,4,6-Tetrachlorophenol	10.083	232	107037	1064.71	ng/ml	96
58) Diethyl phthalate	10.169	149	513240	991.83	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.169	170	423209	988.26	ng/ml	90
60) Fluorene	10.308	166	516821	990.03	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.297	204	239087	987.15	ng/ml	94
62) 4-Nitroaniline	10.319	138	78369	1077.83	ng/ml	91
63) 4,6-Dinitro-2-methylph...	10.345	198	54237	982.42	ng/ml	94

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

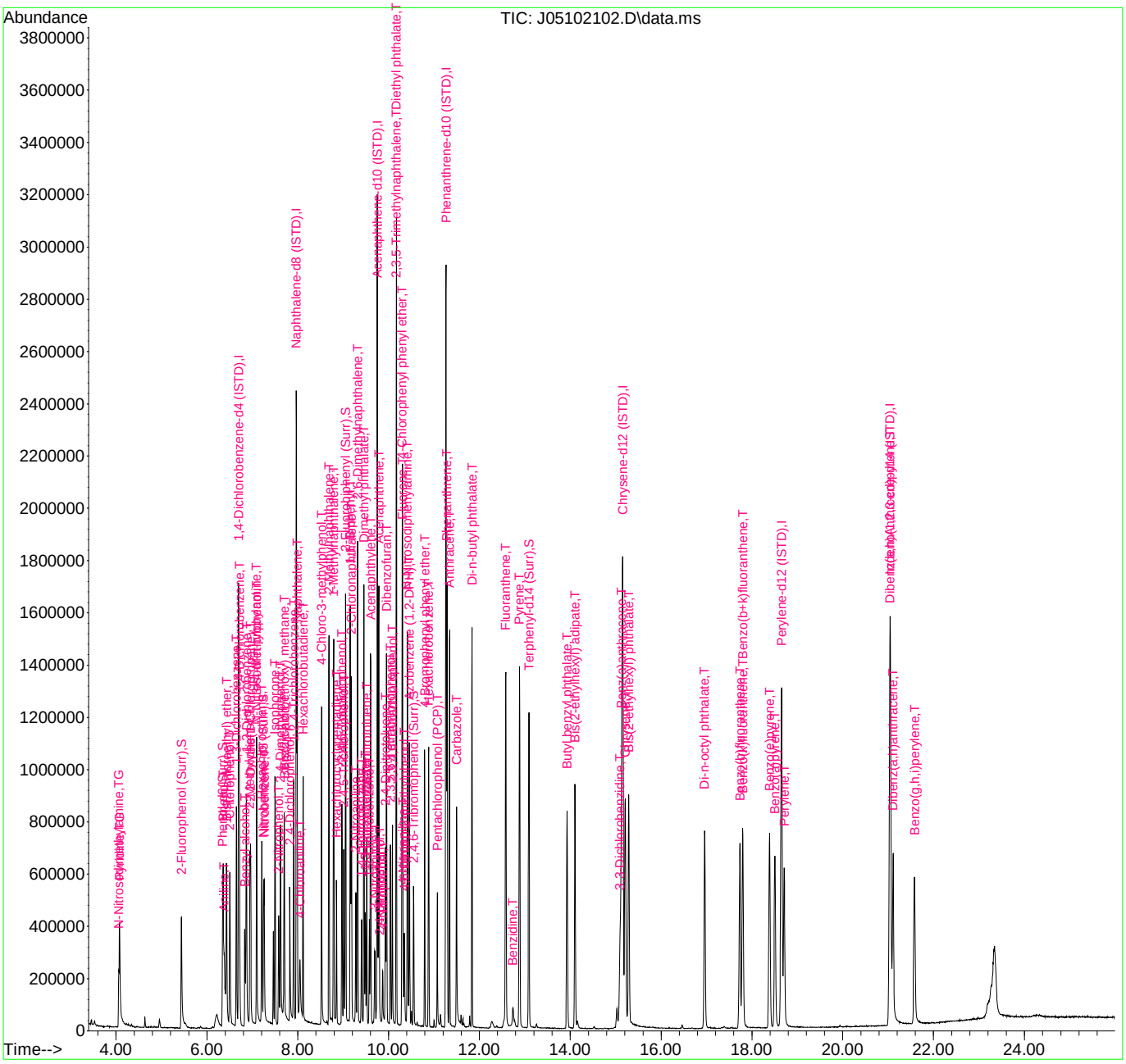
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.415	169	396933	1003.55	ng/ml	98
66) Azobenzene (1,2-DPH)	10.458	77	440605	940.99	ng/ml	92
68) 4-Bromophenyl phenyl e...	10.795	248	137624	1020.58	ng/ml	91
69) Hexachlorobenzene	10.880	284	163261	1094.79	ng/ml	91
70) Pentachlorophenol (PCP)	11.073	266	64732	958.14	ng/ml	97
71) Phenanthrene	11.287	178	705166	981.20	ng/ml	99
72) Anthracene	11.340	178	690952	1012.75	ng/ml	99
73) Carbazole	11.495	167	488858	900.68	ng/ml	99
74) Di-n-butyl phthalate	11.838	149	803760	1009.57	ng/ml	99
75) Fluoranthene	12.581	202	725633	1013.10	ng/ml	97
76) Benzidine	12.736	184	70235	453.21	ng/ml	98
77) Pyrene	12.881	202	764928	1037.22	ng/ml	98
80) Butyl benzyl phthalate	13.929	149	316610	946.25	ng/ml	91
81) Bis(2-ethylhexyl) adipate	14.105	129	299513	917.24	ng/ml	99
82) 3,3-Dichlorobenzidine	15.095	252	177280	1779.37	ng/ml	97
83) Benz(a)anthracene	15.127	228	628570	940.21	ng/ml	99
84) Chrysene	15.213	228	591737	949.22	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.287	149	444705	961.65	ng/ml	98
87) Di-n-octyl phthalate	16.956	149	717042	909.40	ng/ml	97
88) Benzo(b)fluoranthene	17.737	252	589944	986.79	ng/ml	99
89) Benzo(k)fluoranthene	17.801	252	584517	1017.40	ng/ml	99
90) Benzo(b+k)fluoranthene	17.801	252	1198728	2017.99	ng/ml	99
91) Benzo(e)pyrene	18.390	252	574620	992.41	ng/ml	98
92) Benzo(a)pyrene	18.507	252	547196	1038.53	ng/ml	98
93) Perylene	18.711	252	494944	1012.98	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.043	276	485601	970.85	ng/ml	99
96) Dibenz(a,h)anthracene	21.107	278	449742	978.06	ng/ml	98
97) Benzo(g,h,i)perylene	21.583	276	493416	996.68	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102102.D
Acq On : 10 May 2021 8:46 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCV1
Misc : 1x, A21C131@1000
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 10 13:36:06 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	361198	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1221269	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	625853	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1158195	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.149	240	1087133	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.652	264	1009126	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.037	292	807928	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	0.000	99	0	0.00	ng/ml	
19) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
40) 2-Fluorobiphenyl (Surr)	9.115	172	695	1.47	ng/ml	0.06
67) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	4.055	79	60	N.D.		
6) Phenol	0.000		0	N.D.		
7) Aniline	6.425	93	111	N.D.		
8) Bis(2-chloroethyl) ether	6.436	93	213	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2’-Oxybis(1-Chloropr...	6.960	45	51	N.D.		
16) N-Nitrosodi-n-propylamine	0.000		0	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.259	77	66	N.D.		
22) Isophorone	7.511	82	59	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	0.000		0	N.D.		
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	67	N.D.		
30) 4-Chloroaniline	0.000		0	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	9.115	154	61	N.D.		
41) 2-Chloronaphthalene	9.142	162	166	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	9.329	156	147	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.458	163	195	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	9.463	165	61	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.602	152	140	N.D.		
50) 3-Nitroaniline	9.746	138	63	13.11	ng/ml#	1
51) Acenaphthene	9.752	153	220	N.D.		
52) 2,4-Dinitrophenol	9.736	184	55	153.99	ng/ml#	1
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	9.934	165	161	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	10.174	149	139	N.D.		
59) 2,3,5-Trimethylnaphtha...	0.000		0	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

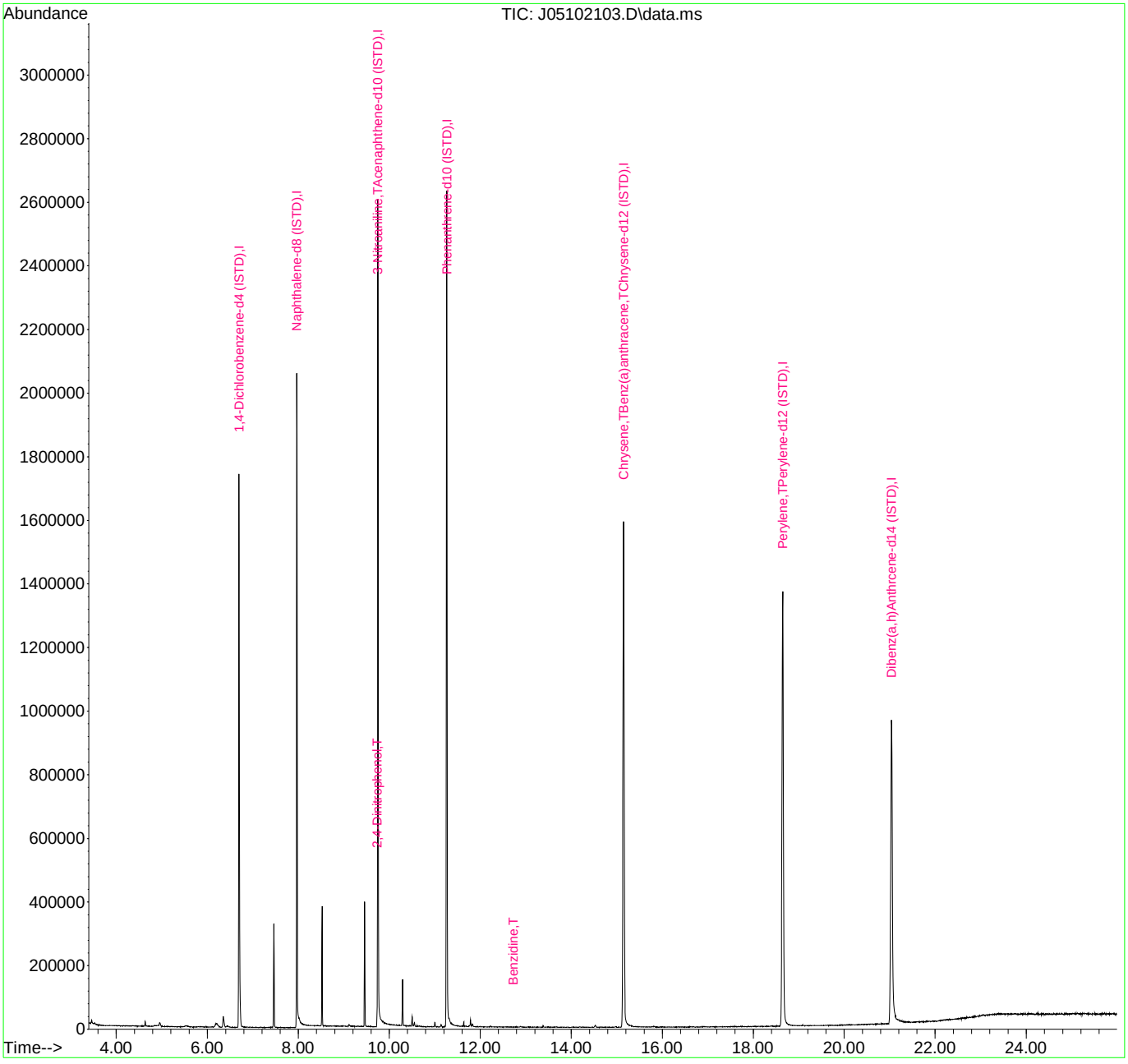
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.	
66) Azobenzene (1,2-DPH)	10.463	77	235	N.D.	
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.	
69) Hexachlorobenzene	0.000		0	N.D.	
70) Pentachlorophenol (PCP)	0.000		0	N.D.	
71) Phenanthrene	11.265	178	512	N.D.	
72) Anthracene	11.372	178	61	N.D.	
73) Carbazole	0.000		0	N.D.	
74) Di-n-butyl phthalate	11.838	149	294	N.D.	
75) Fluoranthene	0.000		0	N.D.	
76) Benzidine	12.720	184	50	84.05 ng/ml	67
77) Pyrene	0.000		0	N.D.	
80) Butyl benzyl phthalate	0.000		0	N.D.	
81) Bis(2-ethylhexyl) adipate	0.000		0	N.D.	
82) 3,3-Dichlorobenzidine	15.100	252	61	Below Cal #	28
83) Benz(a)anthracene	15.149	228	2536	3.78 ng/ml	77
84) Chrysene	15.149	228	2523	4.03 ng/ml	74
85) Bis(2-ethylhexyl) phth...	0.000		0	N.D.	
87) Di-n-octyl phthalate	0.000		0	N.D.	
88) Benzo(b)fluoranthene	17.721	252	109	N.D.	
89) Benzo(k)fluoranthene	17.721	252	101	N.D.	
90) Benzo(b+k)fluoranthene	17.721	252	109	N.D.	
91) Benzo(e)pyrene	0.000		0	N.D.	
92) Benzo(a)pyrene	0.000		0	N.D.	
93) Perylene	18.652	252	3521	6.94 ng/ml	63
95) Indeno(1,2,3-cd)pyrene	21.037	276	478	N.D.	
96) Dibenz(a,h)anthracene	21.043	278	171	N.D.	
97) Benzo(g,h,i)perylene	21.578	276	91	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	361198	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1221269	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	625853	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1158195	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.149	240	1087133	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.652	264	1009126	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.037	292	807928	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	0.000	99	0	0.00	ng/ml	
19) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml	
40) 2-Fluorobiphenyl (Surr)	9.115	172	695	1.47	ng/ml	0.06
67) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
3) Pyridine	4.055	79	60	N.D.		
6) Phenol	0.000		0	N.D.		
7) Aniline	6.425	93	111	N.D.		
8) Bis(2-chloroethyl) ether	6.436	93	213	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	6.960	45	51	N.D.		
16) N-Nitrosodi-n-propylamine	0.000		0	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.259	77	66	N.D.		
22) Isophorone	7.511	82	59	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	0.000		0	N.D.		
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	67	N.D.		
30) 4-Chloroaniline	0.000		0	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	9.115	154	61	N.D.		
41) 2-Chloronaphthalene	9.142	162	166	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	9.329	156	147	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.458	163	195	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	9.463	165	61	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.602	152	140	N.D.		
50) 3-Nitroaniline	9.746	138	63	13.11	ng/ml#	1
51) Acenaphthene	9.752	153	220	N.D.		
52) 2,4-Dinitrophenol	9.736	184	55	153.99	ng/ml#	1
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	9.934	165	161	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	10.174	149	139	N.D.		
59) 2,3,5-Trimethylnaphtha...	0.000		0	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

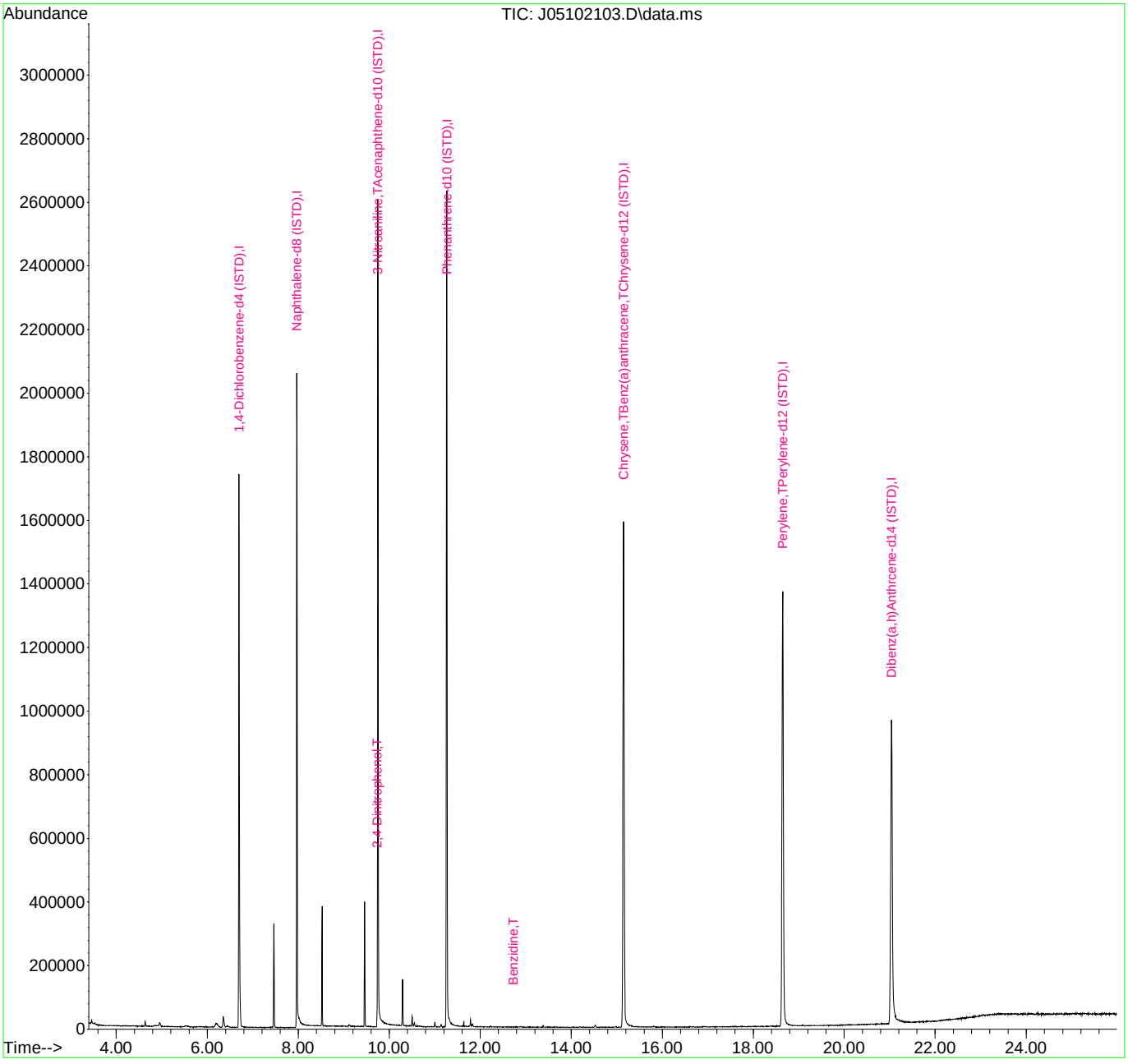
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.	
66) Azobenzene (1,2-DPH)	10.463	77	235	N.D.	
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.	
69) Hexachlorobenzene	0.000		0	N.D.	
70) Pentachlorophenol (PCP)	0.000		0	N.D.	
71) Phenanthrene	11.265	178	512	N.D.	
72) Anthracene	11.372	178	61	N.D.	
73) Carbazole	0.000		0	N.D.	
74) Di-n-butyl phthalate	11.838	149	294	N.D.	
75) Fluoranthene	0.000		0	N.D.	
76) Benzidine	12.720	184	50	84.05 ng/ml	67
77) Pyrene	0.000		0	N.D.	
80) Butyl benzyl phthalate	0.000		0	N.D.	
81) Bis(2-ethylhexyl) adipate	0.000		0	N.D.	
82) 3,3-Dichlorobenzidine	15.100	252	61	Below Cal #	28
83) Benz(a)anthracene	15.149	228	2536	3.78 ng/ml	77
84) Chrysene	15.149	228	2523	4.03 ng/ml	74
85) Bis(2-ethylhexyl) phth...	0.000		0	N.D.	
87) Di-n-octyl phthalate	0.000		0	N.D.	
88) Benzo(b)fluoranthene	17.721	252	109	N.D.	
89) Benzo(k)fluoranthene	17.721	252	101	N.D.	
90) Benzo(b+k)fluoranthene	17.721	252	109	N.D.	
91) Benzo(e)pyrene	0.000		0	N.D.	
92) Benzo(a)pyrene	0.000		0	N.D.	
93) Perylene	18.652	252	3521	6.94 ng/ml	63
95) Indeno(1,2,3-cd)pyrene	21.037	276	478	N.D.	
96) Dibenz(a,h)anthracene	21.043	278	171	N.D.	
97) Benzo(g,h,i)perylene	21.578	276	91	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102103.D
Acq On : 10 May 2021 9:21 am
Operator : JK/ AMS/ DTH
Sample : 1E10040-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 13:37:14 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	360654	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1328242	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	701283	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1242135	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1201681	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.652	264	1110323	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.037	292	976160	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	481008	1775.87	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	289205	885.19	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	779425	2825.51	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.057	172	1464215	2763.46	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	245730	3985.37	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.095	244	2315114	3543.17	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.104	74	621m	3.19	ng/ml#	
3) Pyridine	4.136	79	4670m	16.79	ng/ml#	
6) Phenol	6.361	94	2556	7.10	ng/ml#	1
7) Aniline	6.361	93	723	N.D.		
8) Bis(2-chloroethyl) ether	6.420	93	6266	19.70	ng/ml	78
9) 2-Chlorophenol	6.505	128	596	N.D.		
10) 1,3-Dichlorobenzene	6.650	146	362	N.D.		
11) 1,4-Dichlorobenzene	6.719	146	653	N.D.		
12) Benzyl alcohol	6.858	108	596	21.04	ng/ml#	29
13) 1,2-Dichlorobenzene	6.869	146	318	N.D.		
14) 2-Methylphenol	6.944	107	525	2.55	ng/ml	96
15) 2,2’-Oxybis(1-Chloropr...	6.960	45	472	N.D.		
16) N-Nitrosodi-n-propylamine	7.088	70	365	N.D.		
17) 3+4-Methylphenol	7.088	107	164	N.D.		
18) Hexachloroethane	7.217	201	82	N.D.		
20) Nitrobenzene	7.243	77	2541	9.19	ng/ml#	26
22) Isophorone	7.505	82	890	N.D.		
23) 2-Nitrophenol	7.596	139	61	N.D.		
24) 2,4-Dimethylphenol	7.634	122	141	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.709	93	247	N.D.		
26) Benzoic acid	7.677	105	11205	709.29	ng/ml	94
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	5732	8.26	ng/ml	95
30) 4-Chloroaniline	8.051	127	345	11.02	ng/ml	77
31) Hexachlorobutadiene	8.120	225	62	N.D.		
32) 4-Chloro-3-methylphenol	8.527	107	444	N.D.		
33) 2-Methylnaphthalene	8.687	142	1937	4.10	ng/ml#	71
34) 1-Methylnaphthalene	8.789	142	1242	2.82	ng/ml	84
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.976	196	120	23.37	ng/ml#	39
38) 2,4,5-Trichlorophenol	9.019	198	102	19.46	ng/ml#	63
39) 1,1'-Biphenyl	9.153	154	3761	6.38	ng/ml	75
41) 2-Chloronaphthalene	9.180	162	199	N.D.		
42) 2-Nitroaniline	9.292	138	93	N.D.		
43) 2,6-Dimethylnaphthalene	9.324	156	944	N.D.		
44) 1,4-Dinitrobenzene	9.388	168	190	32.46	ng/ml#	51
45) Dimethyl phthalate	9.458	163	738	N.D.		
46) 1,3-Dinitrobenzene	9.511	168	154	N.D.		
47) 2,6-Dinitrotoluene	9.511	165	144	N.D.		
48) 1,2-Dinitrobenzene	9.565	168	196	3.66	ng/ml#	1
49) Acenaphthylene	9.602	152	1201	N.D.		
50) 3-Nitroaniline	9.752	138	192	14.15	ng/ml#	1
51) Acenaphthene	9.784	153	779	N.D.		
52) 2,4-Dinitrophenol	9.795	184	50	153.64	ng/ml#	1
53) 4-Nitrophenol	9.859	139	231	66.60	ng/ml#	1
54) 2,4-Dinitrotoluene	9.923	165	81	N.D.		
55) Dibenzofuran	9.955	168	878	N.D.		
56) 2,3,5,6-Tetrachlorophenol	10.089	232	154	28.02	ng/ml#	1
57) 2,3,4,6-Tetrachlorophenol	10.089	232	154	10.86	ng/ml#	15
58) Diethyl phthalate	10.169	149	1432	2.81	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	10.158	170	335	N.D.		
60) Fluorene	10.308	166	764	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	10.303	138	71	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

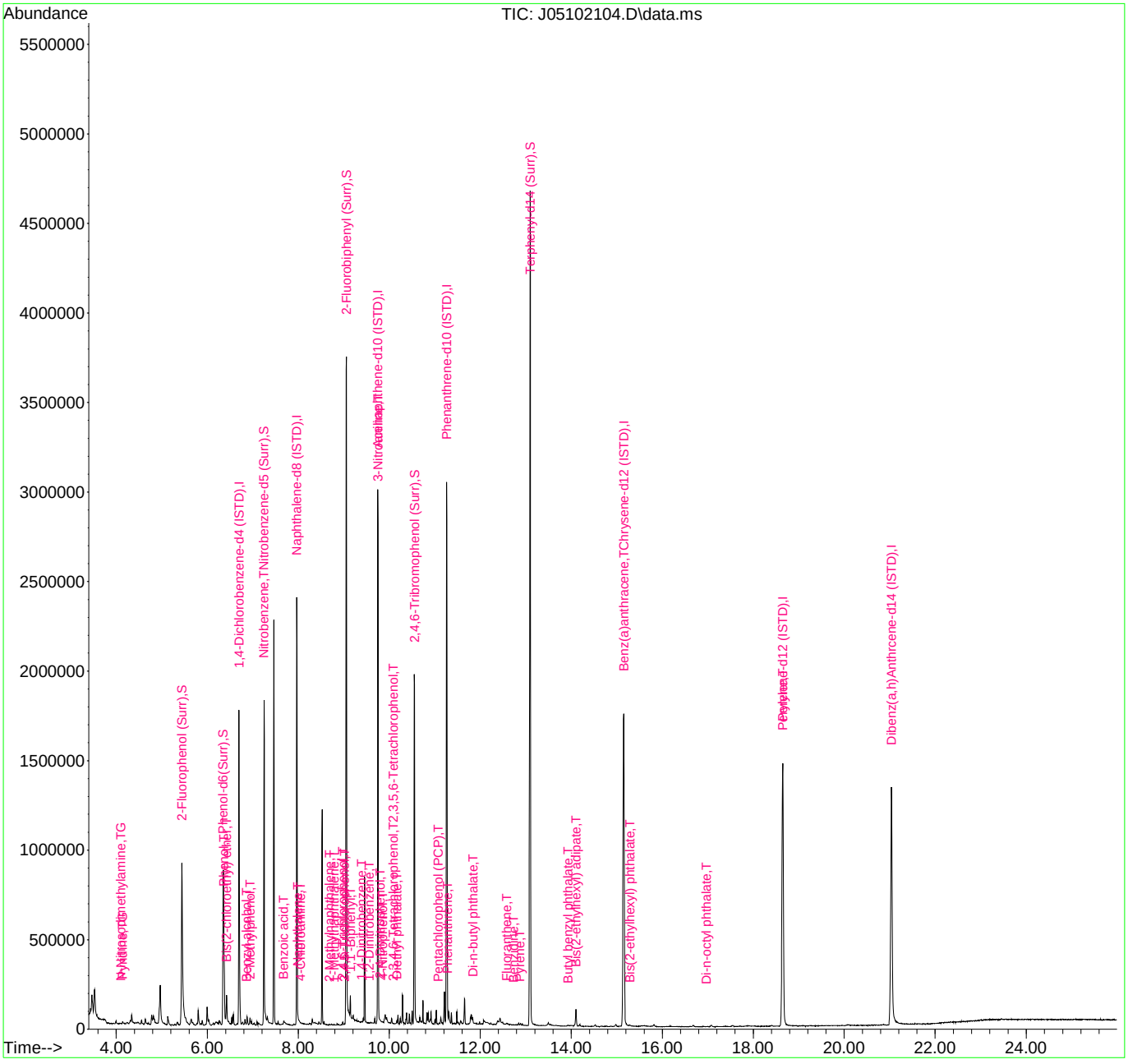
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.420	169	578	N.D.		
66) Azobenzene (1,2-DPH)	10.469	77	758	N.D.		
68) 4-Bromophenyl phenyl e...	10.725	248	67	N.D.		
69) Hexachlorobenzene	10.880	284	63	N.D.		
70) Pentachlorophenol (PCP)	11.073	266	240	41.38	ng/ml#	76
71) Phenanthrene	11.287	178	5975	8.09	ng/ml	96
72) Anthracene	11.340	178	494	N.D.		
73) Carbazole	11.495	167	1327	N.D.		
74) Di-n-butyl phthalate	11.838	149	5581	6.82	ng/ml	97
75) Fluoranthene	12.581	202	3332	4.53	ng/ml	98
76) Benzidine	12.736	184	424	85.95	ng/ml	87
77) Pyrene	12.875	202	2414	3.19	ng/ml	91
80) Butyl benzyl phthalate	13.929	149	1079	2.90	ng/ml	73
81) Bis(2-ethylhexyl) adipate	14.106	129	29589	81.58	ng/ml	96
82) 3,3-Dichlorobenzidine	15.111	252	169	Below Cal	#	23
83) Benz(a)anthracene	15.154	228	3788	5.10	ng/ml	73
84) Chrysene	15.202	228	1019	N.D.		
85) Bis(2-ethylhexyl) phth...	15.288	149	3416	6.65	ng/ml	91
87) Di-n-octyl phthalate	16.973	149	135	30.59	ng/ml#	1
88) Benzo(b)fluoranthene	17.721	252	725	N.D.		
89) Benzo(k)fluoranthene	17.785	252	451	N.D.		
90) Benzo(b+k)fluoranthene	17.785	252	1436	N.D.		
91) Benzo(e)pyrene	18.374	252	864	N.D.		
92) Benzo(a)pyrene	18.508	252	117	N.D.		
93) Perylene	18.647	252	3826	6.86	ng/ml	66
95) Indeno(1,2,3-cd)pyrene	21.032	276	1091	N.D.		
96) Dibenz(a,h)anthracene	21.107	278	175	N.D.		
97) Benzo(g,h,i)perylene	21.578	276	393	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	360654	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1328242	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	701283	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1242135	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1201681	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.652	264	1110323	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.037	292	976160	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	481008	1775.87	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	289205	885.19	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	779425	2825.51	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.057	172	1464215	2763.46	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	245730	3985.37	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.095	244	2315114	3543.17	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.104	74	621m	3.19	ng/ml#	
3) Pyridine	4.136	79	4670m	16.79	ng/ml#	
6) Phenol	6.361	94	2556	7.10	ng/ml#	1
7) Aniline	6.361	93	723	N.D.		
8) Bis(2-chloroethyl) ether	6.420	93	6266	19.70	ng/ml	78
9) 2-Chlorophenol	6.505	128	596	N.D.		
10) 1,3-Dichlorobenzene	6.650	146	362	N.D.		
11) 1,4-Dichlorobenzene	6.719	146	653	N.D.		
12) Benzyl alcohol	6.858	108	596	21.04	ng/ml#	29
13) 1,2-Dichlorobenzene	6.869	146	318	N.D.		
14) 2-Methylphenol	6.944	107	525	2.55	ng/ml	96
15) 2,2'-Oxybis(1-Chloropr...	6.960	45	472	N.D.		
16) N-Nitrosodi-n-propylamine	7.088	70	365	N.D.		
17) 3+4-Methylphenol	7.088	107	164	N.D.		
18) Hexachloroethane	7.217	201	82	N.D.		
20) Nitrobenzene	7.243	77	2541	9.19	ng/ml#	26
22) Isophorone	7.505	82	890	N.D.		
23) 2-Nitrophenol	7.596	139	61	N.D.		
24) 2,4-Dimethylphenol	7.634	122	141	N.D.		

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.709	93	247	N.D.		
26) Benzoic acid	7.677	105	11205	709.29	ng/ml	94
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	5732	8.26	ng/ml	95
30) 4-Chloroaniline	8.051	127	345	11.02	ng/ml	77
31) Hexachlorobutadiene	8.120	225	62	N.D.		
32) 4-Chloro-3-methylphenol	8.527	107	444	N.D.		
33) 2-Methylnaphthalene	8.687	142	1937	4.10	ng/ml#	71
34) 1-Methylnaphthalene	8.789	142	1242	2.82	ng/ml	84
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.976	196	120	23.37	ng/ml#	39
38) 2,4,5-Trichlorophenol	9.019	198	102	19.46	ng/ml#	63
39) 1,1'-Biphenyl	9.153	154	3761	6.38	ng/ml	75
41) 2-Chloronaphthalene	9.180	162	199	N.D.		
42) 2-Nitroaniline	9.292	138	93	N.D.		
43) 2,6-Dimethylnaphthalene	9.324	156	944	N.D.		
44) 1,4-Dinitrobenzene	9.388	168	190	32.46	ng/ml#	51
45) Dimethyl phthalate	9.458	163	738	N.D.		
46) 1,3-Dinitrobenzene	9.511	168	154	N.D.		
47) 2,6-Dinitrotoluene	9.511	165	144	N.D.		
48) 1,2-Dinitrobenzene	9.565	168	196	3.66	ng/ml#	1
49) Acenaphthylene	9.602	152	1201	N.D.		
50) 3-Nitroaniline	9.752	138	192	14.15	ng/ml#	1
51) Acenaphthene	9.784	153	779	N.D.		
52) 2,4-Dinitrophenol	9.795	184	50	153.64	ng/ml#	1
53) 4-Nitrophenol	9.859	139	231	66.60	ng/ml#	1
54) 2,4-Dinitrotoluene	9.923	165	81	N.D.		
55) Dibenzofuran	9.955	168	878	N.D.		
56) 2,3,5,6-Tetrachlorophenol	10.089	232	154	28.02	ng/ml#	1
57) 2,3,4,6-Tetrachlorophenol	10.089	232	154	10.86	ng/ml#	15
58) Diethyl phthalate	10.169	149	1432	2.81	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	10.158	170	335	N.D.		
60) Fluorene	10.308	166	764	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	10.303	138	71	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

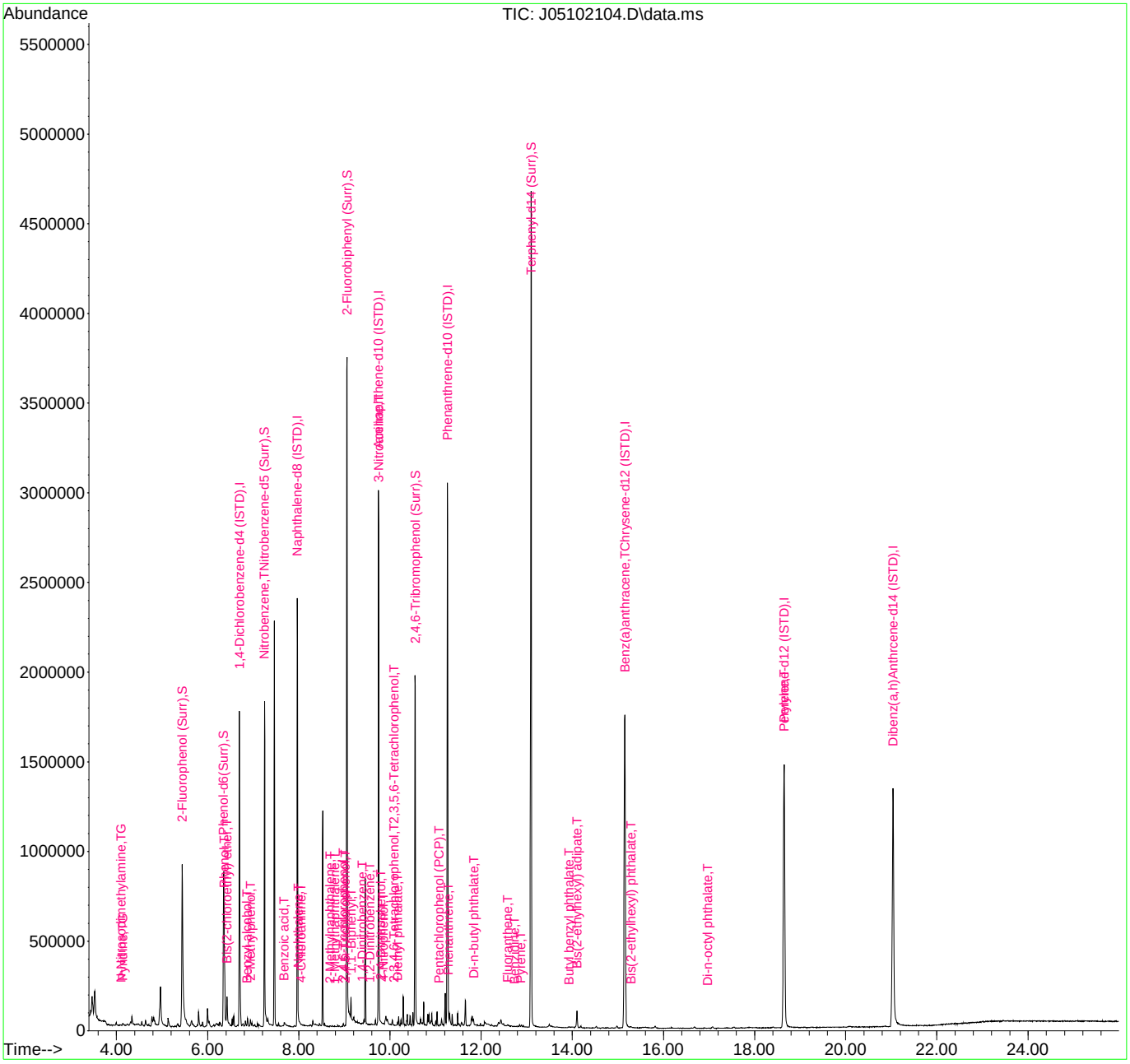
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.420	169	578	N.D.		
66) Azobenzene (1,2-DPH)	10.469	77	758	N.D.		
68) 4-Bromophenyl phenyl e...	10.725	248	67	N.D.		
69) Hexachlorobenzene	10.880	284	63	N.D.		
70) Pentachlorophenol (PCP)	11.073	266	240	41.38	ng/ml#	76
71) Phenanthrene	11.287	178	5975	8.09	ng/ml	96
72) Anthracene	11.340	178	494	N.D.		
73) Carbazole	11.495	167	1327	N.D.		
74) Di-n-butyl phthalate	11.838	149	5581	6.82	ng/ml	97
75) Fluoranthene	12.581	202	3332	4.53	ng/ml	98
76) Benzidine	12.736	184	424	85.95	ng/ml	87
77) Pyrene	12.875	202	2414	3.19	ng/ml	91
80) Butyl benzyl phthalate	13.929	149	1079	2.90	ng/ml	73
81) Bis(2-ethylhexyl) adipate	14.106	129	29589	81.58	ng/ml	96
82) 3,3-Dichlorobenzidine	15.111	252	169	Below Cal	#	23
83) Benz(a)anthracene	15.154	228	3788	5.10	ng/ml	73
84) Chrysene	15.202	228	1019	N.D.		
85) Bis(2-ethylhexyl) phth...	15.288	149	3416	6.65	ng/ml	91
87) Di-n-octyl phthalate	16.973	149	135	30.59	ng/ml#	1
88) Benzo(b)fluoranthene	17.721	252	725	N.D.		
89) Benzo(k)fluoranthene	17.785	252	451	N.D.		
90) Benzo(b+k)fluoranthene	17.785	252	1436	N.D.		
91) Benzo(e)pyrene	18.374	252	864	N.D.		
92) Benzo(a)pyrene	18.508	252	117	N.D.		
93) Perylene	18.647	252	3826	6.86	ng/ml	66
95) Indeno(1,2,3-cd)pyrene	21.032	276	1091	N.D.		
96) Dibenz(a,h)anthracene	21.107	278	175	N.D.		
97) Benzo(g,h,i)perylene	21.578	276	393	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102104.D
Acq On : 10 May 2021 11:20 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BLK1
Misc : 1x, 8270E LL PCP
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 13:38:10 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	364473	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1337341	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	743941	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1257108	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1178336	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.647	264	1098367	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.043	292	964984	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	119548	436.74	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	71915	217.81	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	192720	691.31	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	434538	773.09	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	63672	1020.36	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	595103	928.82	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.072	74	44299	225.43	ng/ml	70
3) Pyridine	4.168	79	983m	3.50	ng/ml#	
6) Phenol	6.361	94	62919	172.93	ng/ml	87
7) Aniline	6.388	93	693	N.D.		
8) Bis(2-chloroethyl) ether	6.430	93	181429	564.44	ng/ml	82
9) 2-Chlorophenol	6.500	128	157800	569.78	ng/ml	91
10) 1,3-Dichlorobenzene	6.644	146	112428	369.55	ng/ml	95
11) 1,4-Dichlorobenzene	6.714	146	111098	367.73	ng/ml	97
12) Benzyl alcohol	6.837	108	49108	301.44	ng/ml	87
13) 1,2-Dichlorobenzene	6.869	146	111755	383.82	ng/ml	95
14) 2-Methylphenol	6.944	107	98154	472.47	ng/ml	95
15) 2,2'-Oxybis(1-Chloropr...	6.960	45	199079	560.02	ng/ml	83
16) N-Nitrosodi-n-propylamine	7.088	70	124993	591.11	ng/ml	87
17) 3+4-Methylphenol	7.099	107	98557	373.29	ng/ml	94
18) Hexachloroethane	7.206	201	31858	341.85	ng/ml	95
20) Nitrobenzene	7.265	77	152547	546.15	ng/ml	90
22) Isophorone	7.495	82	372945	773.96	ng/ml	95
23) 2-Nitrophenol	7.580	139	75075	617.91	ng/ml	83
24) 2,4-Dimethylphenol	7.618	122	106454	559.20	ng/ml	94

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	178031	693.86	ng/ml	97
26) Benzoic acid	7.687	105	31413	869.19	ng/ml	84
27) 2,4-Dichlorophenol	7.826	162	102487	617.76	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.912	180	89747	431.62	ng/ml	93
29) Naphthalene	7.987	128	378767	541.81	ng/ml	99
30) 4-Chloroaniline	8.046	127	8201	46.88	ng/ml	76
31) Hexachlorobutadiene	8.120	225	45068	389.29	ng/ml	96
32) 4-Chloro-3-methylphenol	8.522	107	129614	660.84	ng/ml	92
33) 2-Methylnaphthalene	8.687	142	247747	521.13	ng/ml	96
34) 1-Methylnaphthalene	8.789	142	249002	560.87	ng/ml	99
36) Hexachlorocyclopentadiene	8.853	237	25939	234.82	ng/ml	98
37) 2,4,6-Trichlorophenol	8.971	196	94541	654.36	ng/ml	96
38) 2,4,5-Trichlorophenol	9.014	198	98882	705.04	ng/ml	92
39) 1,1'-Biphenyl	9.158	154	348044	556.56	ng/ml	98
41) 2-Chloronaphthalene	9.180	162	249318	547.62	ng/ml	96
42) 2-Nitroaniline	9.276	138	104711	694.51	ng/ml	75
43) 2,6-Dimethylnaphthalene	9.319	156	254201	551.63	ng/ml	98
44) 1,4-Dinitrobenzene	9.404	168	51193	771.34	ng/ml	90
45) Dimethyl phthalate	9.458	163	453863	820.52	ng/ml	99
46) 1,3-Dinitrobenzene	9.484	168	58163	730.63	ng/ml	88
47) 2,6-Dinitrotoluene	9.516	165	92915	773.47	ng/ml	78
48) 1,2-Dinitrobenzene	9.575	168	43564	765.92	ng/ml#	60
49) Acenaphthylene	9.602	152	542789	724.86	ng/ml	100
50) 3-Nitroaniline	9.693	138	38954	341.98	ng/ml	83
51) Acenaphthene	9.784	153	342371	698.45	ng/ml	99
52) 2,4-Dinitrophenol	9.800	184	25250	825.83	ng/ml	82
53) 4-Nitrophenol	9.869	139	16818	266.05	ng/ml	87
54) 2,4-Dinitrotoluene	9.928	165	116628	758.26	ng/ml	85
55) Dibenzofuran	9.955	168	466027	685.59	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	10.041	232	85157	784.14	ng/ml	95
57) 2,3,4,6-Tetrachlorophenol	10.083	232	90342	863.07	ng/ml	94
58) Diethyl phthalate	10.169	149	444550	822.03	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.164	170	292545	653.67	ng/ml	96
60) Fluorene	10.303	166	401268	735.51	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.297	204	180589	713.46	ng/ml	95
62) 4-Nitroaniline	10.313	138	59381	781.45	ng/ml	97
63) 4,6-Dinitro-2-methylph...	10.345	198	50148	880.90	ng/ml	93

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

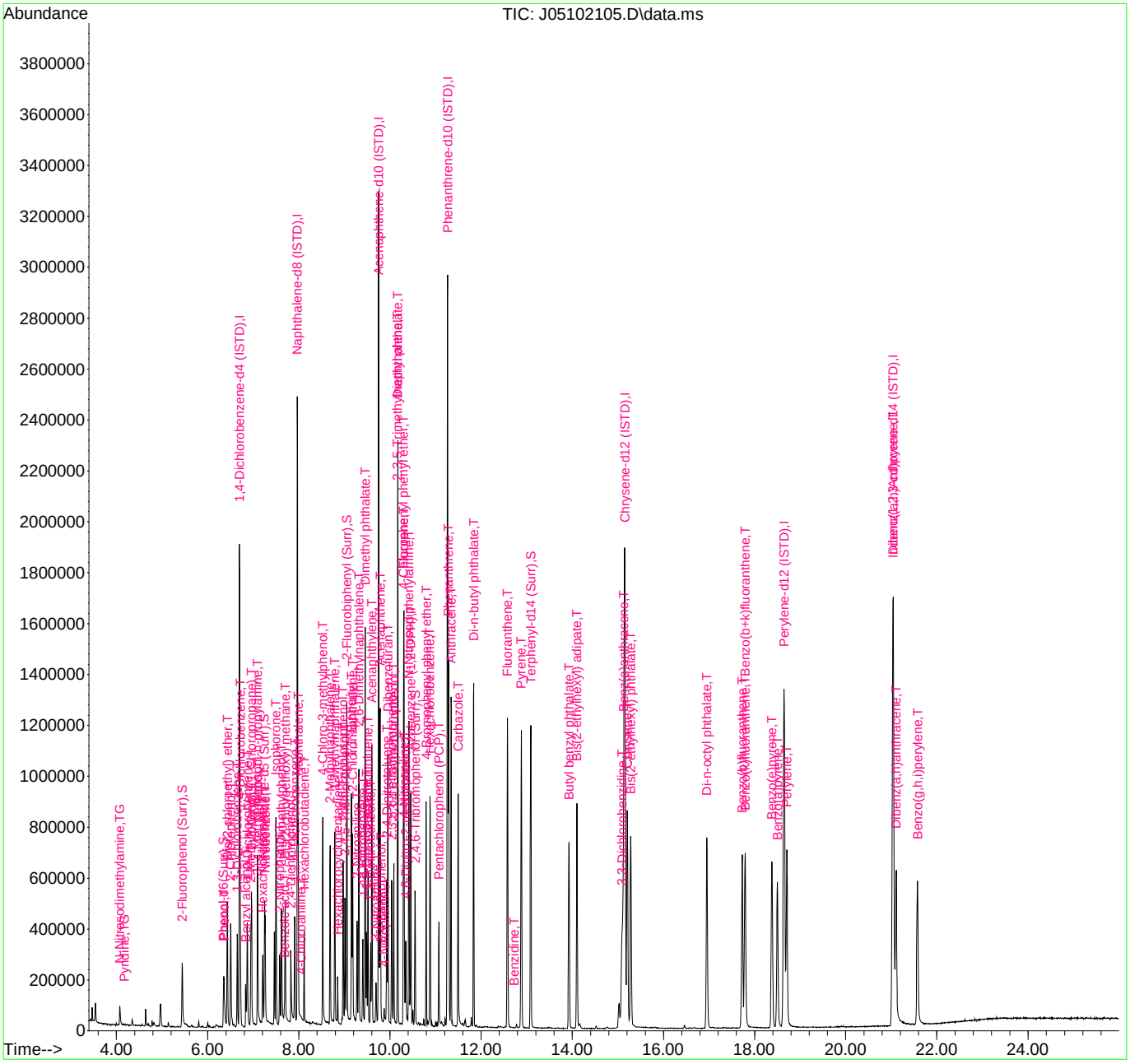
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.415	169	335528	815.70	ng/ml	98
66) Azobenzene (1,2-DPH)	10.458	77	362459	744.34	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.795	248	111460	794.79	ng/ml	92
69) Hexachlorobenzene	10.875	284	133517	860.92	ng/ml	92
70) Pentachlorophenol (PCP)	11.073	266	54112	780.43	ng/ml	99
71) Phenanthrene	11.287	178	589555	788.80	ng/ml	99
72) Anthracene	11.340	178	587797	828.43	ng/ml	99
73) Carbazole	11.495	167	473953	839.65	ng/ml	99
74) Di-n-butyl phthalate	11.838	149	729640	881.24	ng/ml	99
75) Fluoranthene	12.576	202	644615	865.39	ng/ml	100
76) Benzidine	12.726	184	257	85.08	ng/ml	62
77) Pyrene	12.881	202	670820	874.65	ng/ml	99
80) Butyl benzyl phthalate	13.929	149	295564	811.05	ng/ml	91
81) Bis(2-ethylhexyl) adipate	14.100	129	284433	799.75	ng/ml	99
82) 3,3-Dichlorobenzidine	15.095	252	182976	1668.69	ng/ml	98
83) Benz(a)anthracene	15.127	228	603898	829.37	ng/ml	99
84) Chrysene	15.207	228	549587	809.44	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.282	149	417449	828.82	ng/ml	94
87) Di-n-octyl phthalate	16.951	149	682375	770.97	ng/ml	97
88) Benzo(b)fluoranthene	17.727	252	560631	829.96	ng/ml	99
89) Benzo(k)fluoranthene	17.796	252	540730	832.99	ng/ml	100
90) Benzo(b+k)fluoranthene	17.796	252	1125910	1677.53	ng/ml	100
91) Benzo(e)pyrene	18.379	252	525958	803.95	ng/ml	99
92) Benzo(a)pyrene	18.502	252	461694	775.53	ng/ml	97
93) Perylene	18.705	252	523944	949.07	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.037	276	470092	825.04	ng/ml	93
96) Dibenz(a,h)anthracene	21.102	278	443554	846.78	ng/ml	99
97) Benzo(g,h,i)perylene	21.578	276	487000	863.56	ng/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	364473	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1337341	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	743941	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1257108	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1178336	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.647	264	1098367	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.043	292	964984	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	119548	436.74	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	71915	217.81	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	192720	691.31	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	434538	773.09	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	63672	1020.36	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	595103	928.82	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.072	74	44299	225.43	ng/ml	70
3) Pyridine	4.168	79	983m	3.50	ng/ml#	
6) Phenol	6.361	94	62919	172.93	ng/ml	87
7) Aniline	6.388	93	693	N.D.		
8) Bis(2-chloroethyl) ether	6.430	93	181429	564.44	ng/ml	82
9) 2-Chlorophenol	6.500	128	157800	569.78	ng/ml	91
10) 1,3-Dichlorobenzene	6.644	146	112428	369.55	ng/ml	95
11) 1,4-Dichlorobenzene	6.714	146	111098	367.73	ng/ml	97
12) Benzyl alcohol	6.837	108	49108	301.44	ng/ml	87
13) 1,2-Dichlorobenzene	6.869	146	111755	383.82	ng/ml	95
14) 2-Methylphenol	6.944	107	98154	472.47	ng/ml	95
15) 2,2'-Oxybis(1-Chloropr...	6.960	45	199079	560.02	ng/ml	83
16) N-Nitrosodi-n-propylamine	7.088	70	124993	591.11	ng/ml	87
17) 3+4-Methylphenol	7.099	107	98557	373.29	ng/ml	94
18) Hexachloroethane	7.206	201	31858	341.85	ng/ml	95
20) Nitrobenzene	7.265	77	152547	546.15	ng/ml	90
22) Isophorone	7.495	82	372945	773.96	ng/ml	95
23) 2-Nitrophenol	7.580	139	75075	617.91	ng/ml	83
24) 2,4-Dimethylphenol	7.618	122	106454	559.20	ng/ml	94

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	178031	693.86	ng/ml	97
26) Benzoic acid	7.687	105	31413	869.19	ng/ml	84
27) 2,4-Dichlorophenol	7.826	162	102487	617.76	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.912	180	89747	431.62	ng/ml	93
29) Naphthalene	7.987	128	378767	541.81	ng/ml	99
30) 4-Chloroaniline	8.046	127	8201	46.88	ng/ml	76
31) Hexachlorobutadiene	8.120	225	45068	389.29	ng/ml	96
32) 4-Chloro-3-methylphenol	8.522	107	129614	660.84	ng/ml	92
33) 2-Methylnaphthalene	8.687	142	247747	521.13	ng/ml	96
34) 1-Methylnaphthalene	8.789	142	249002	560.87	ng/ml	99
36) Hexachlorocyclopentadiene	8.853	237	25939	234.82	ng/ml	98
37) 2,4,6-Trichlorophenol	8.971	196	94541	654.36	ng/ml	96
38) 2,4,5-Trichlorophenol	9.014	198	98882	705.04	ng/ml	92
39) 1,1'-Biphenyl	9.158	154	348044	556.56	ng/ml	98
41) 2-Chloronaphthalene	9.180	162	249318	547.62	ng/ml	96
42) 2-Nitroaniline	9.276	138	104711	694.51	ng/ml	75
43) 2,6-Dimethylnaphthalene	9.319	156	254201	551.63	ng/ml	98
44) 1,4-Dinitrobenzene	9.404	168	51193	771.34	ng/ml	90
45) Dimethyl phthalate	9.458	163	453863	820.52	ng/ml	99
46) 1,3-Dinitrobenzene	9.484	168	58163	730.63	ng/ml	88
47) 2,6-Dinitrotoluene	9.516	165	92915	773.47	ng/ml	78
48) 1,2-Dinitrobenzene	9.575	168	43564	765.92	ng/ml#	60
49) Acenaphthylene	9.602	152	542789	724.86	ng/ml	100
50) 3-Nitroaniline	9.693	138	38954	341.98	ng/ml	83
51) Acenaphthene	9.784	153	342371	698.45	ng/ml	99
52) 2,4-Dinitrophenol	9.800	184	25250	825.83	ng/ml	82
53) 4-Nitrophenol	9.869	139	16818	266.05	ng/ml	87
54) 2,4-Dinitrotoluene	9.928	165	116628	758.26	ng/ml	85
55) Dibenzofuran	9.955	168	466027	685.59	ng/ml	97
56) 2,3,5,6-Tetrachlorophenol	10.041	232	85157	784.14	ng/ml	95
57) 2,3,4,6-Tetrachlorophenol	10.083	232	90342	863.07	ng/ml	94
58) Diethyl phthalate	10.169	149	444550	822.03	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.164	170	292545	653.67	ng/ml	96
60) Fluorene	10.303	166	401268	735.51	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.297	204	180589	713.46	ng/ml	95
62) 4-Nitroaniline	10.313	138	59381	781.45	ng/ml	97
63) 4,6-Dinitro-2-methylph...	10.345	198	50148	880.90	ng/ml	93

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

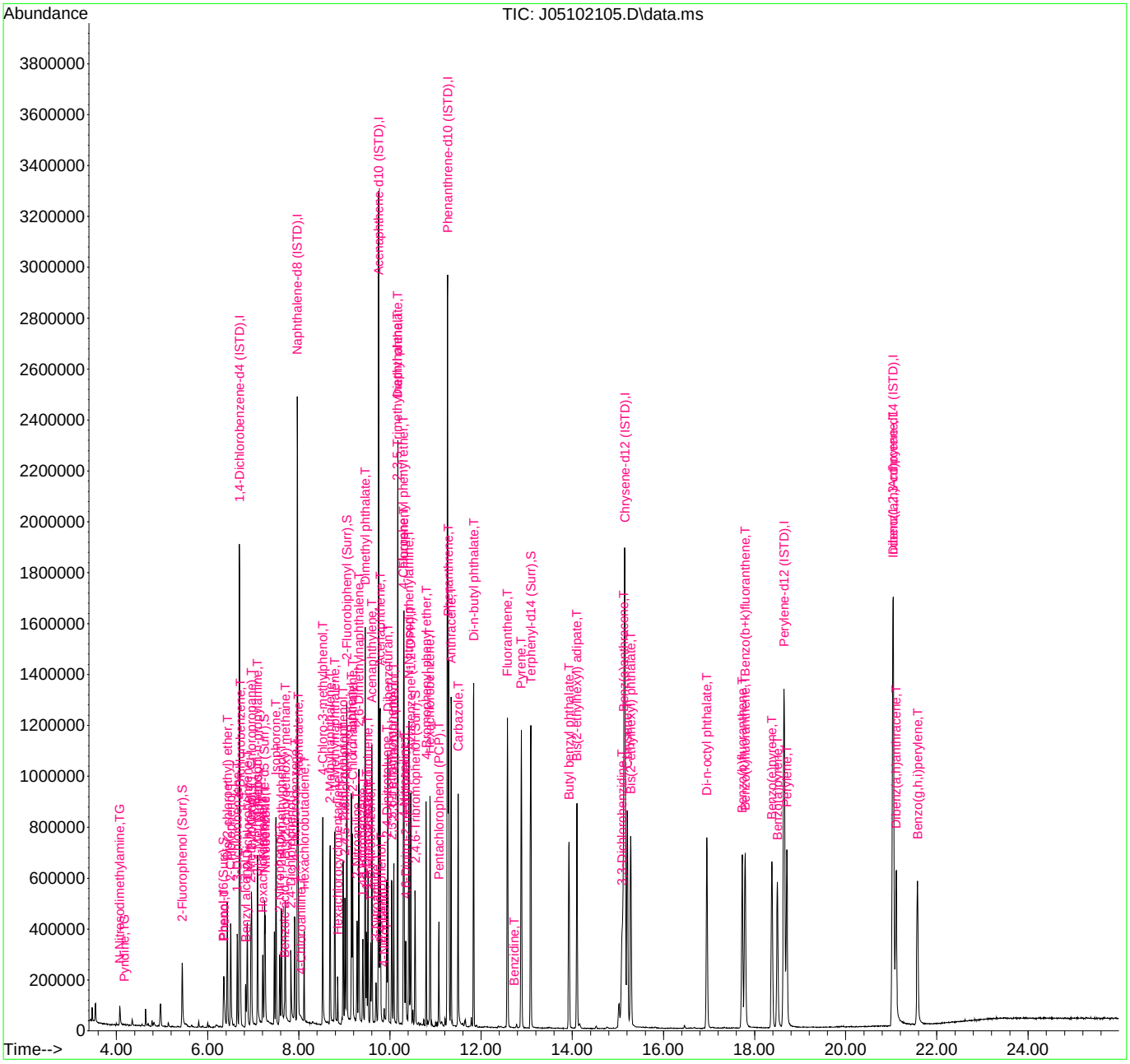
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.415	169	335528	815.70	ng/ml	98
66) Azobenzene (1,2-DPH)	10.458	77	362459	744.34	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.795	248	111460	794.79	ng/ml	92
69) Hexachlorobenzene	10.875	284	133517	860.92	ng/ml	92
70) Pentachlorophenol (PCP)	11.073	266	54112	780.43	ng/ml	99
71) Phenanthrene	11.287	178	589555	788.80	ng/ml	99
72) Anthracene	11.340	178	587797	828.43	ng/ml	99
73) Carbazole	11.495	167	473953	839.65	ng/ml	99
74) Di-n-butyl phthalate	11.838	149	729640	881.24	ng/ml	99
75) Fluoranthene	12.576	202	644615	865.39	ng/ml	100
76) Benzidine	12.726	184	257	85.08	ng/ml	62
77) Pyrene	12.881	202	670820	874.65	ng/ml	99
80) Butyl benzyl phthalate	13.929	149	295564	811.05	ng/ml	91
81) Bis(2-ethylhexyl) adipate	14.100	129	284433	799.75	ng/ml	99
82) 3,3-Dichlorobenzidine	15.095	252	182976	1668.69	ng/ml	98
83) Benz(a)anthracene	15.127	228	603898	829.37	ng/ml	99
84) Chrysene	15.207	228	549587	809.44	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.282	149	417449	828.82	ng/ml	94
87) Di-n-octyl phthalate	16.951	149	682375	770.97	ng/ml	97
88) Benzo(b)fluoranthene	17.727	252	560631	829.96	ng/ml	99
89) Benzo(k)fluoranthene	17.796	252	540730	832.99	ng/ml	100
90) Benzo(b+k)fluoranthene	17.796	252	1125910	1677.53	ng/ml	100
91) Benzo(e)pyrene	18.379	252	525958	803.95	ng/ml	99
92) Benzo(a)pyrene	18.502	252	461694	775.53	ng/ml	97
93) Perylene	18.705	252	523944	949.07	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.037	276	470092	825.04	ng/ml	93
96) Dibenz(a,h)anthracene	21.102	278	443554	846.78	ng/ml	99
97) Benzo(g,h,i)perylene	21.578	276	487000	863.56	ng/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102105.D
Acq On : 10 May 2021 11:56 am
Operator : JK/ AMS/ DTH
Sample : 1050273-BS1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 13:40:27 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	361163	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1328555	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	715002	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1204772	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1086252	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.647	264	1000199	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.037	292	864209	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	123103	453.85	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	76607	234.15	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	188394	681.99	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	477875	884.60	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	67004	1120.41	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	606593	1027.01	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.061	74	43893	225.41	ng/ml	65
3) Pyridine	4.162	79	900m	3.23	ng/ml#	
6) Phenol	6.361	94	64569	179.09	ng/ml	88
7) Aniline	6.387	93	454	N.D.		
8) Bis(2-chloroethyl) ether	6.430	93	184485	579.21	ng/ml	82
9) 2-Chlorophenol	6.500	128	165616	603.48	ng/ml	94
10) 1,3-Dichlorobenzene	6.644	146	143243	475.15	ng/ml	98
11) 1,4-Dichlorobenzene	6.714	146	143988	480.96	ng/ml	98
12) Benzyl alcohol	6.837	108	46321	287.89	ng/ml	91
13) 1,2-Dichlorobenzene	6.869	146	140605	487.33	ng/ml	93
14) 2-Methylphenol	6.944	107	93686	455.10	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	6.965	45	207655	589.50	ng/ml	85
16) N-Nitrosodi-n-propylamine	7.088	70	121923	581.87	ng/ml	87
17) 3+4-Methylphenol	7.099	107	101659	388.57	ng/ml	95
18) Hexachloroethane	7.206	201	42404	459.18	ng/ml	93
20) Nitrobenzene	7.265	77	154108	556.80	ng/ml	94
22) Isophorone	7.495	82	376390	786.28	ng/ml	92
23) 2-Nitrophenol	7.586	139	78661	651.71	ng/ml	85
24) 2,4-Dimethylphenol	7.618	122	109652	579.81	ng/ml	91

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	176881	693.94	ng/ml	96
26) Benzoic acid	7.687	105	33830	890.11	ng/ml	82
27) 2,4-Dichlorophenol	7.832	162	110814	672.37	ng/ml	99
28) 1,2,4-Trichlorobenzene	7.912	180	113171	547.87	ng/ml	97
29) Naphthalene	7.987	128	427533	615.62	ng/ml	100
30) 4-Chloroaniline	8.046	127	7206	42.55	ng/ml	79
31) Hexachlorobutadiene	8.120	225	63397	551.23	ng/ml	99
32) 4-Chloro-3-methylphenol	8.522	107	136395	700.01	ng/ml	92
33) 2-Methylnaphthalene	8.687	142	293044	620.49	ng/ml	97
34) 1-Methylnaphthalene	8.789	142	291651	661.28	ng/ml	97
36) Hexachlorocyclopentadiene	8.853	237	38317	360.91	ng/ml	95
37) 2,4,6-Trichlorophenol	8.971	196	100653	722.94	ng/ml	98
38) 2,4,5-Trichlorophenol	9.014	198	102903	762.25	ng/ml	97
39) 1,1'-Biphenyl	9.158	154	379440	631.33	ng/ml	99
41) 2-Chloronaphthalene	9.179	162	280364	640.74	ng/ml	95
42) 2-Nitroaniline	9.276	138	104301	719.79	ng/ml	76
43) 2,6-Dimethylnaphthalene	9.319	156	284516	642.40	ng/ml	96
44) 1,4-Dinitrobenzene	9.404	168	49994	783.02	ng/ml	91
45) Dimethyl phthalate	9.458	163	451096	848.52	ng/ml	99
46) 1,3-Dinitrobenzene	9.484	168	55381	723.84	ng/ml	87
47) 2,6-Dinitrotoluene	9.516	165	93103	806.41	ng/ml	75
48) 1,2-Dinitrobenzene	9.575	168	41929	767.02	ng/ml#	64
49) Acenaphthylene	9.602	152	576536	801.09	ng/ml	100
50) 3-Nitroaniline	9.693	138	37413	341.74	ng/ml	92
51) Acenaphthene	9.784	153	361542	767.41	ng/ml	98
52) 2,4-Dinitrophenol	9.800	184	26022	871.73	ng/ml	85
53) 4-Nitrophenol	9.869	139	17449	282.04	ng/ml	81
54) 2,4-Dinitrotoluene	9.928	165	113579	768.32	ng/ml	82
55) Dibenzofuran	9.955	168	473349	724.55	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.041	232	86674	828.92	ng/ml	96
57) 2,3,4,6-Tetrachlorophenol	10.083	232	93465	927.85	ng/ml	98
58) Diethyl phthalate	10.169	149	443193	852.69	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.169	170	308669	717.61	ng/ml	98
60) Fluorene	10.303	166	404730	771.89	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.297	204	183505	754.32	ng/ml	94
62) 4-Nitroaniline	10.313	138	58423	799.96	ng/ml	85
63) 4,6-Dinitro-2-methylph...	10.345	198	49628	904.10	ng/ml	95

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

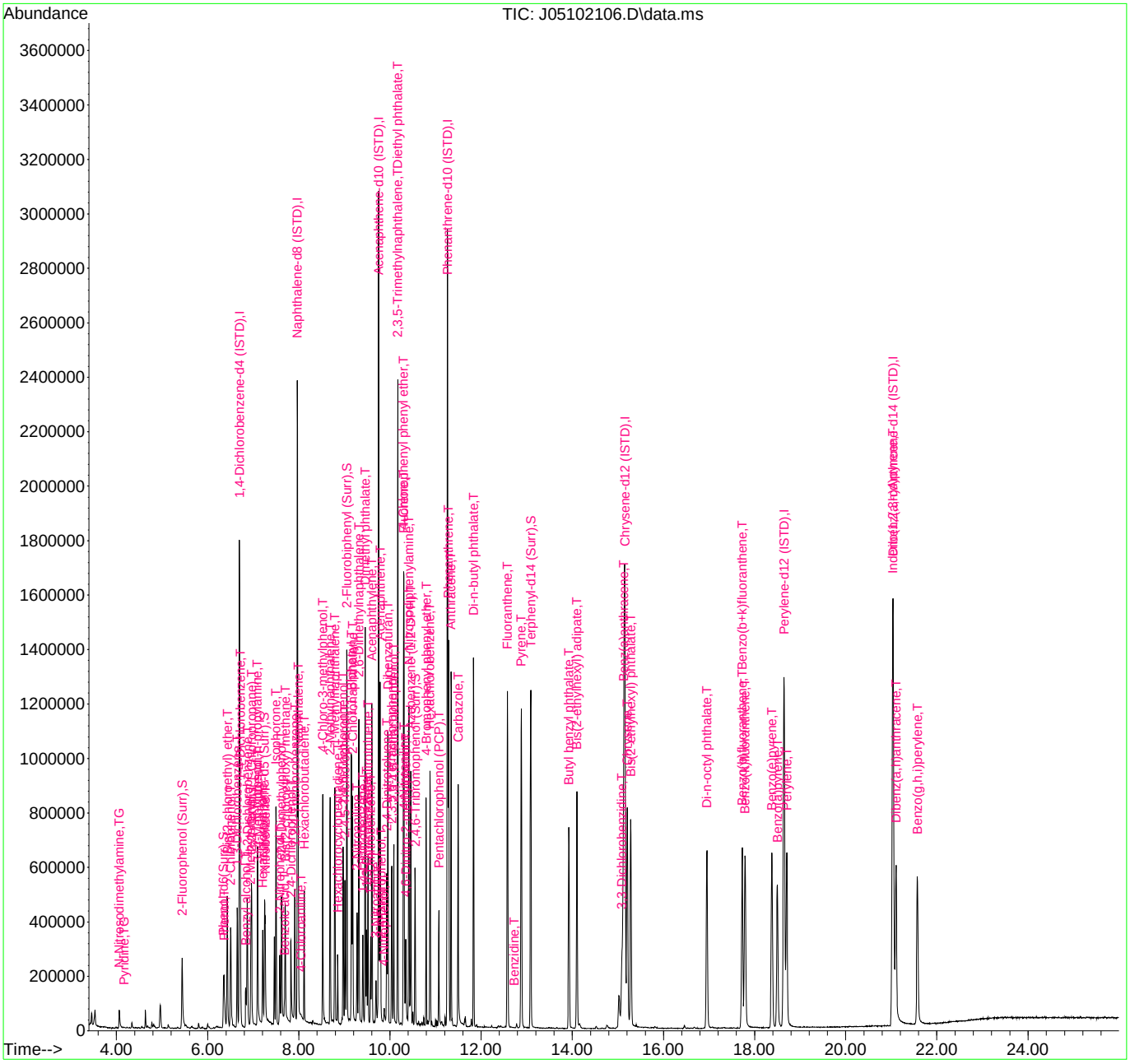
Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.415	169	329838	836.70	ng/ml	100
66) Azobenzene (1,2-DPH)	10.458	77	358338	767.85	ng/ml	95
68) 4-Bromophenyl phenyl e...	10.795	248	110255	820.35	ng/ml	88
69) Hexachlorobenzene	10.875	284	134257	903.30	ng/ml	92
70) Pentachlorophenol (PCP)	11.073	266	55167	827.00	ng/ml	99
71) Phenanthrene	11.287	178	591885	826.32	ng/ml	99
72) Anthracene	11.335	178	581598	855.31	ng/ml	99
73) Carbazole	11.495	167	465975	861.38	ng/ml	99
74) Di-n-butyl phthalate	11.832	149	723999	912.41	ng/ml	99
75) Fluoranthene	12.576	202	655657	918.45	ng/ml	99
76) Benzidine	12.720	184	233	85.01	ng/ml	67
77) Pyrene	12.881	202	683128	929.39	ng/ml	99
80) Butyl benzyl phthalate	13.924	149	287972	857.20	ng/ml	90
81) Bis(2-ethylhexyl) adipate	14.100	129	280688	856.13	ng/ml	97
82) 3,3-Dichlorobenzidine	15.090	252	135512	1282.35	ng/ml	95
83) Benz(a)anthracene	15.127	228	584908	871.38	ng/ml	99
84) Chrysene	15.207	228	539305	861.63	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.282	149	404062	870.25	ng/ml	98
87) Di-n-octyl phthalate	16.956	149	648968	803.78	ng/ml	97
88) Benzo(b)fluoranthene	17.727	252	528015	858.40	ng/ml	99
89) Benzo(k)fluoranthene	17.791	252	512678	867.30	ng/ml	98
90) Benzo(b+k)fluoranthene	17.727	252	1065434	1743.22	ng/ml	99
91) Benzo(e)pyrene	18.379	252	504938	847.57	ng/ml	98
92) Benzo(a)pyrene	18.502	252	437231	806.52	ng/ml	98
93) Perylene	18.705	252	485779	966.30	ng/ml	97
95) Indeno(1,2,3-cd)pyrene	21.032	276	445079	872.23	ng/ml	97
96) Dibenz(a,h)anthracene	21.102	278	411378	876.93	ng/ml	100
97) Benzo(g,h,i)perylene	21.572	276	456694	904.26	ng/ml	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Q19

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	361163	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1328555	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	715002	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1204772	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1086252	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.647	264	1000199	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.037	292	864209	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	123103	453.85	ng/ml	0.00
5) Phenol-d6(Surr)	6.345	99	76607	234.15	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.243	82	188394	681.99	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	477875	884.60	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	67004	1120.41	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	606593	1027.01	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.061	74	43893	225.41	ng/ml	65
3) Pyridine	4.162	79	900m	3.23	ng/ml#	
6) Phenol	6.361	94	64569	179.09	ng/ml	88
7) Aniline	6.387	93	454	N.D.		
8) Bis(2-chloroethyl) ether	6.430	93	184485	579.21	ng/ml	82
9) 2-Chlorophenol	6.500	128	165616	603.48	ng/ml	94
10) 1,3-Dichlorobenzene	6.644	146	143243	475.15	ng/ml	98
11) 1,4-Dichlorobenzene	6.714	146	143988	480.96	ng/ml	98
12) Benzyl alcohol	6.837	108	46321	287.89	ng/ml	91
13) 1,2-Dichlorobenzene	6.869	146	140605	487.33	ng/ml	93
14) 2-Methylphenol	6.944	107	93686	455.10	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	6.965	45	207655	589.50	ng/ml	85
16) N-Nitrosodi-n-propylamine	7.088	70	121923	581.87	ng/ml	87
17) 3+4-Methylphenol	7.099	107	101659	388.57	ng/ml	95
18) Hexachloroethane	7.206	201	42404	459.18	ng/ml	93
20) Nitrobenzene	7.265	77	154108	556.80	ng/ml	94
22) Isophorone	7.495	82	376390	786.28	ng/ml	92
23) 2-Nitrophenol	7.586	139	78661	651.71	ng/ml	85
24) 2,4-Dimethylphenol	7.618	122	109652	579.81	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	176881	693.94	ng/ml	96
26) Benzoic acid	7.687	105	33830	890.11	ng/ml	82
27) 2,4-Dichlorophenol	7.832	162	110814	672.37	ng/ml	99
28) 1,2,4-Trichlorobenzene	7.912	180	113171	547.87	ng/ml	97
29) Naphthalene	7.987	128	427533	615.62	ng/ml	100
30) 4-Chloroaniline	8.046	127	7206	42.55	ng/ml	79
31) Hexachlorobutadiene	8.120	225	63397	551.23	ng/ml	99
32) 4-Chloro-3-methylphenol	8.522	107	136395	700.01	ng/ml	92
33) 2-Methylnaphthalene	8.687	142	293044	620.49	ng/ml	97
34) 1-Methylnaphthalene	8.789	142	291651	661.28	ng/ml	97
36) Hexachlorocyclopentadiene	8.853	237	38317	360.91	ng/ml	95
37) 2,4,6-Trichlorophenol	8.971	196	100653	722.94	ng/ml	98
38) 2,4,5-Trichlorophenol	9.014	198	102903	762.25	ng/ml	97
39) 1,1'-Biphenyl	9.158	154	379440	631.33	ng/ml	99
41) 2-Chloronaphthalene	9.179	162	280364	640.74	ng/ml	95
42) 2-Nitroaniline	9.276	138	104301	719.79	ng/ml	76
43) 2,6-Dimethylnaphthalene	9.319	156	284516	642.40	ng/ml	96
44) 1,4-Dinitrobenzene	9.404	168	49994	783.02	ng/ml	91
45) Dimethyl phthalate	9.458	163	451096	848.52	ng/ml	99
46) 1,3-Dinitrobenzene	9.484	168	55381	723.84	ng/ml	87
47) 2,6-Dinitrotoluene	9.516	165	93103	806.41	ng/ml	75
48) 1,2-Dinitrobenzene	9.575	168	41929	767.02	ng/ml#	64
49) Acenaphthylene	9.602	152	576536	801.09	ng/ml	100
50) 3-Nitroaniline	9.693	138	37413	341.74	ng/ml	92
51) Acenaphthene	9.784	153	361542	767.41	ng/ml	98
52) 2,4-Dinitrophenol	9.800	184	26022	871.73	ng/ml	85
53) 4-Nitrophenol	9.869	139	17449	282.04	ng/ml	81
54) 2,4-Dinitrotoluene	9.928	165	113579	768.32	ng/ml	82
55) Dibenzofuran	9.955	168	473349	724.55	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.041	232	86674	828.92	ng/ml	96
57) 2,3,4,6-Tetrachlorophenol	10.083	232	93465	927.85	ng/ml	98
58) Diethyl phthalate	10.169	149	443193	852.69	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.169	170	308669	717.61	ng/ml	98
60) Fluorene	10.303	166	404730	771.89	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.297	204	183505	754.32	ng/ml	94
62) 4-Nitroaniline	10.313	138	58423	799.96	ng/ml	85
63) 4,6-Dinitro-2-methylph...	10.345	198	49628	904.10	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

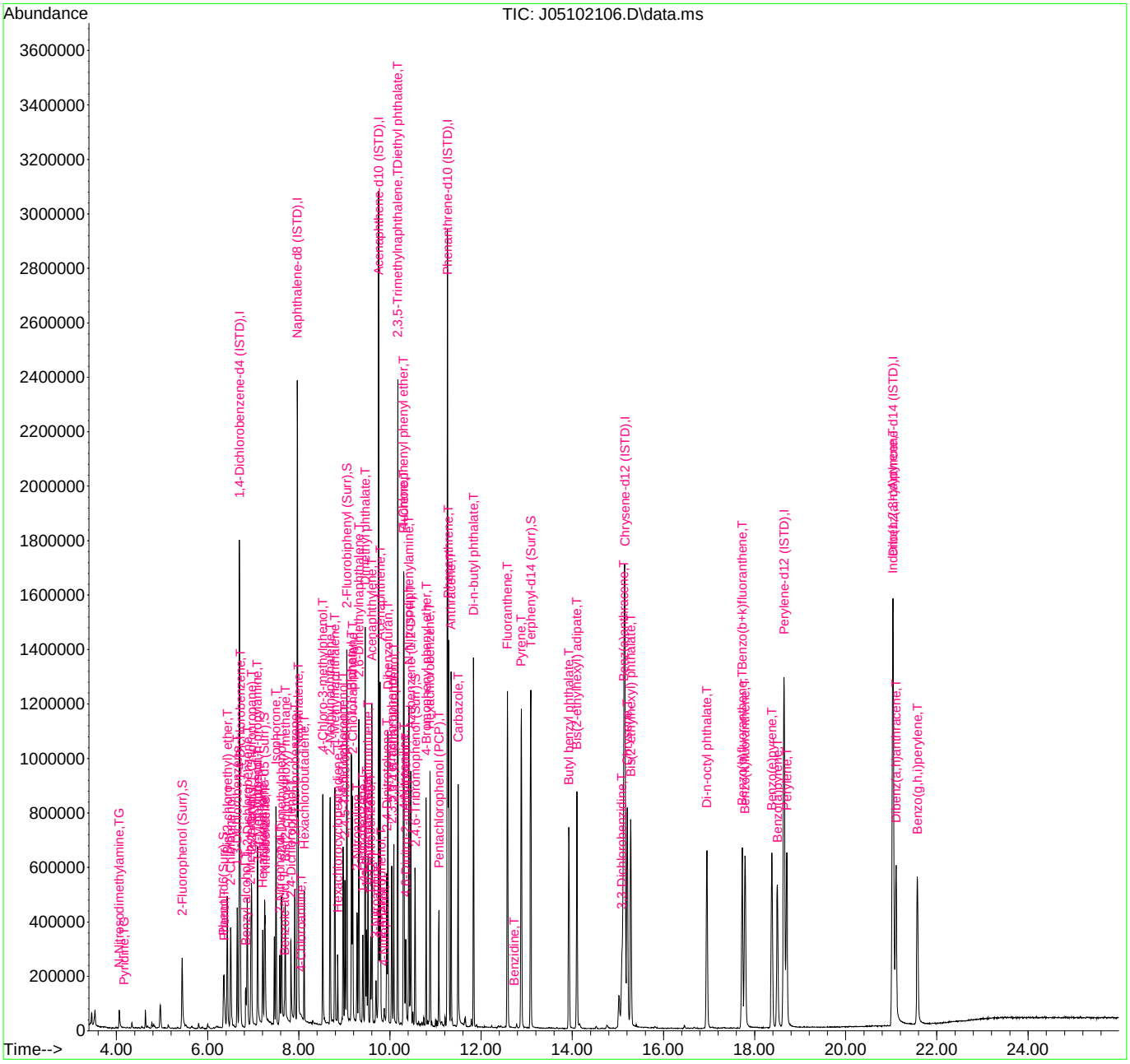
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.415	169	329838	836.70	ng/ml	100
66) Azobenzene (1,2-DPH)	10.458	77	358338	767.85	ng/ml	95
68) 4-Bromophenyl phenyl e...	10.795	248	110255	820.35	ng/ml	88
69) Hexachlorobenzene	10.875	284	134257	903.30	ng/ml	92
70) Pentachlorophenol (PCP)	11.073	266	55167	827.00	ng/ml	99
71) Phenanthrene	11.287	178	591885	826.32	ng/ml	99
72) Anthracene	11.335	178	581598	855.31	ng/ml	99
73) Carbazole	11.495	167	465975	861.38	ng/ml	99
74) Di-n-butyl phthalate	11.832	149	723999	912.41	ng/ml	99
75) Fluoranthene	12.576	202	655657	918.45	ng/ml	99
76) Benzidine	12.720	184	233	85.01	ng/ml	67
77) Pyrene	12.881	202	683128	929.39	ng/ml	99
80) Butyl benzyl phthalate	13.924	149	287972	857.20	ng/ml	90
81) Bis(2-ethylhexyl) adipate	14.100	129	280688	856.13	ng/ml	97
82) 3,3-Dichlorobenzidine	15.090	252	135512	1282.35	ng/ml	95
83) Benz(a)anthracene	15.127	228	584908	871.38	ng/ml	99
84) Chrysene	15.207	228	539305	861.63	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.282	149	404062	870.25	ng/ml	98
87) Di-n-octyl phthalate	16.956	149	648968	803.78	ng/ml	97
88) Benzo(b)fluoranthene	17.727	252	528015	858.40	ng/ml	99
89) Benzo(k)fluoranthene	17.791	252	512678	867.30	ng/ml	98
90) Benzo(b+k)fluoranthene	17.727	252	1065434	1743.22	ng/ml	99
91) Benzo(e)pyrene	18.379	252	504938	847.57	ng/ml	98
92) Benzo(a)pyrene	18.502	252	437231	806.52	ng/ml	98
93) Perylene	18.705	252	485779	966.30	ng/ml	97
95) Indeno(1,2,3-cd)pyrene	21.032	276	445079	872.23	ng/ml	97
96) Dibenz(a,h)anthracene	21.102	278	411378	876.93	ng/ml	100
97) Benzo(g,h,i)perylene	21.572	276	456694	904.26	ng/ml	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102106.D
Acq On : 10 May 2021 12:31 pm
Operator : JK/ AMS/ DTH
Sample : 1050273-BSD1@4
Misc : 4x, 8270E LL PCP
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 10 13:41:23 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	356033	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1307155	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	722858	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1231966	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.149	240	1154625	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.641	264	1065460	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.032	292	880405	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	226333	846.46	ng/ml	0.00
5) Phenol-d6(Surr)	6.350	99	110740	343.35	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.243	82	448783	1648.01	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	787382	1441.70	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	133557	2183.97	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.095	244	2053639	3271.09	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.098	74	227	N.D.		
3) Pyridine	4.162	79	1710m	6.23	ng/ml#	
6) Phenol	6.355	94	3061	8.61	ng/ml#	1
7) Aniline	6.361	93	382	N.D.		
8) Bis(2-chloroethyl) ether	6.425	93	2448	7.80	ng/ml#	49
9) 2-Chlorophenol	6.500	128	222	N.D.		
10) 1,3-Dichlorobenzene	6.655	146	142	N.D.		
11) 1,4-Dichlorobenzene	6.714	146	429	N.D.		
12) Benzyl alcohol	6.858	108	707	21.75	ng/ml	82
13) 1,2-Dichlorobenzene	6.874	146	62	N.D.		
14) 2-Methylphenol	6.960	107	236	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	6.965	45	155	N.D.		
16) N-Nitrosodi-n-propylamine	7.088	70	242	N.D.		
17) 3+4-Methylphenol	7.083	107	122	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.249	77	1840	6.74	ng/ml#	23
22) Isophorone	7.500	82	2386	5.07	ng/ml	67
23) 2-Nitrophenol	7.586	139	228	N.D.		
24) 2,4-Dimethylphenol	7.634	122	59	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	251	N.D.		
26) Benzoic acid	7.725	105	1602	632.40	ng/ml	84
27) 2,4-Dichlorophenol	7.858	162	56	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	6634	9.71	ng/ml	96
30) 4-Chloroaniline	8.046	127	52	9.67	ng/ml#	1
31) Hexachlorobutadiene	8.120	225	229	N.D.		
32) 4-Chloro-3-methylphenol	8.489	107	69	N.D.		
33) 2-Methylnaphthalene	8.687	142	1946	4.19	ng/ml	88
34) 1-Methylnaphthalene	8.794	142	1363	3.14	ng/ml	87
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.976	196	140	23.49	ng/ml#	45
38) 2,4,5-Trichlorophenol	9.014	198	62	19.16	ng/ml#	10
39) 1,1'-Biphenyl	9.158	154	2103	3.46	ng/ml	77
41) 2-Chloronaphthalene	9.196	162	368	N.D.		
42) 2-Nitroaniline	9.302	138	83	N.D.		
43) 2,6-Dimethylnaphthalene	9.324	156	758	N.D.		
44) 1,4-Dinitrobenzene	9.409	168	178	32.19	ng/ml#	61
45) Dimethyl phthalate	9.452	163	1202	N.D.		
46) 1,3-Dinitrobenzene	9.474	168	107	N.D.		
47) 2,6-Dinitrotoluene	9.506	165	2520	21.59	ng/ml	63
48) 1,2-Dinitrobenzene	9.570	168	141	2.55	ng/ml#	1
49) Acenaphthylene	9.607	152	721	N.D.		
50) 3-Nitroaniline	9.698	138	91	13.26	ng/ml#	24
51) Acenaphthene	9.779	153	2468	5.18	ng/ml#	46
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.853	139	54	64.30	ng/ml#	1
54) 2,4-Dinitrotoluene	9.918	165	65	N.D.		
55) Dibenzofuran	9.955	168	695	N.D.		
56) 2,3,5,6-Tetrachlorophenol	10.041	232	66	27.17	ng/ml#	52
57) 2,3,4,6-Tetrachlorophenol	10.083	232	175	11.02	ng/ml#	37
58) Diethyl phthalate	10.169	149	4135	7.87	ng/ml	94
59) 2,3,5-Trimethylnaphtha...	10.164	170	1132	2.60	ng/ml	95
60) Fluorene	10.308	166	534	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	10.313	138	224	3.03	ng/ml#	1
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

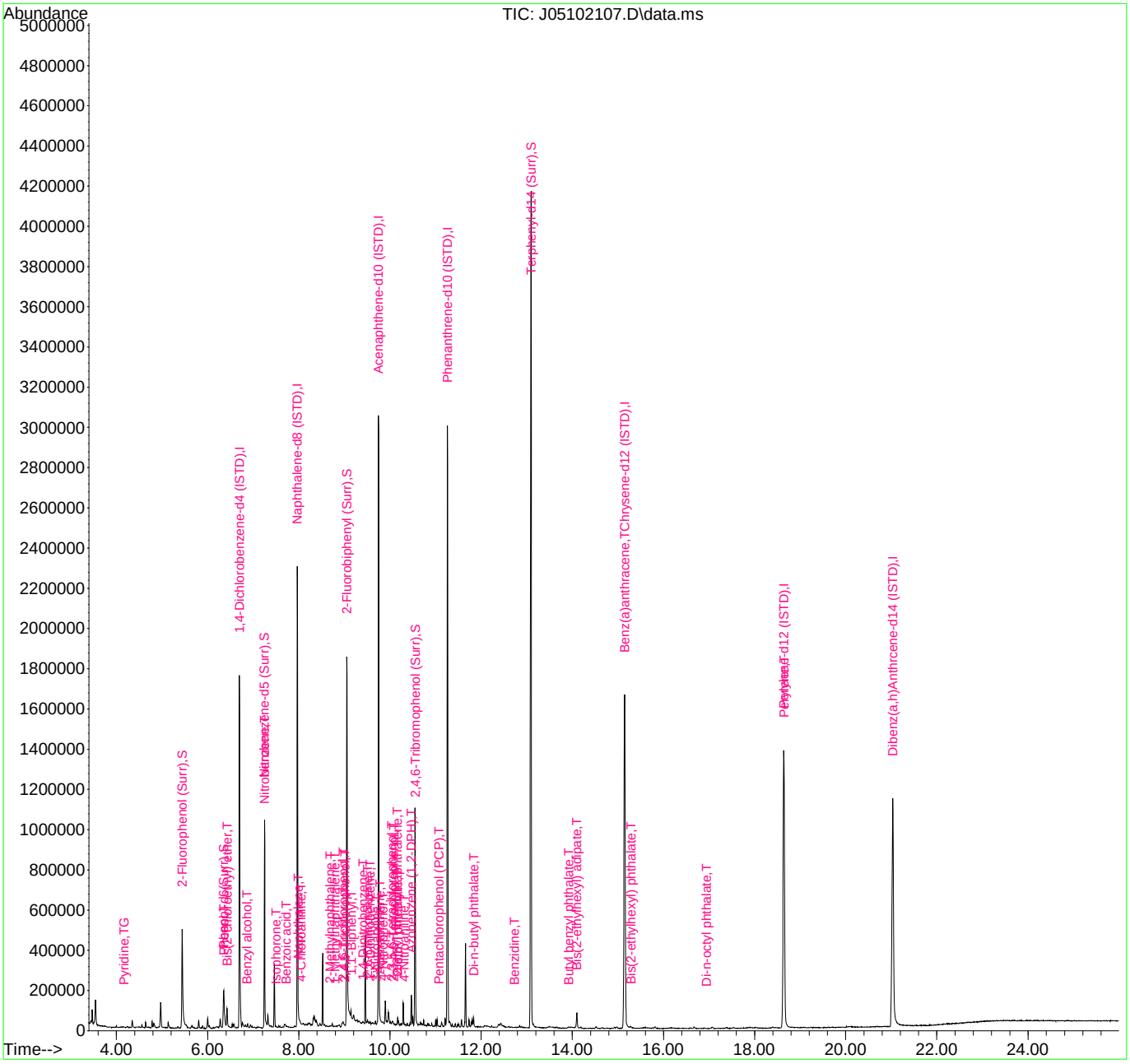
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.420	169	464	N.D.		
66) Azobenzene (1,2-DPH)	10.468	77	28481	59.68	ng/ml#	1
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	11.073	266	209	40.96	ng/ml#	34
71) Phenanthrene	11.281	178	1787	N.D.		
72) Anthracene	11.340	178	177	N.D.		
73) Carbazole	11.501	167	1135	N.D.		
74) Di-n-butyl phthalate	11.838	149	18705	23.05	ng/ml	97
75) Fluoranthene	12.576	202	630	N.D.		
76) Benzidine	12.736	184	222	84.92	ng/ml	67
77) Pyrene	12.881	202	598	N.D.		
80) Butyl benzyl phthalate	13.924	149	1111	3.11	ng/ml	99
81) Bis(2-ethylhexyl) adipate	14.100	129	24849	71.30	ng/ml	97
82) 3,3-Dichlorobenzidine	15.100	252	308	Below Cal		95
83) Benz(a)anthracene	15.149	228	3142	4.40	ng/ml	60
84) Chrysene	15.207	228	469	N.D.		
85) Bis(2-ethylhexyl) phth...	15.288	149	3252	6.59	ng/ml	88
87) Di-n-octyl phthalate	16.946	149	185	30.65	ng/ml#	2
88) Benzo(b)fluoranthene	17.727	252	531	N.D.		
89) Benzo(k)fluoranthene	17.791	252	127	N.D.		
90) Benzo(b+k)fluoranthene	17.727	252	531	N.D.		
91) Benzo(e)pyrene	18.384	252	182	N.D.		
92) Benzo(a)pyrene	18.491	252	131	N.D.		
93) Perylene	18.647	252	3981	7.43	ng/ml	70
95) Indeno(1,2,3-cd)pyrene	21.043	276	664	N.D.		
96) Dibenz(a,h)anthracene	21.096	278	275	N.D.		
97) Benzo(g,h,i)perylene	21.572	276	342	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	356033	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1307155	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	722858	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1231966	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.149	240	1154625	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.641	264	1065460	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.032	292	880405	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	226333	846.46	ng/ml	0.00
5) Phenol-d6(Surr)	6.350	99	110740	343.35	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.243	82	448783	1648.01	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	787382	1441.70	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	133557	2183.97	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.095	244	2053639	3271.09	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.098	74	227	N.D.		
3) Pyridine	4.162	79	1710m	6.23	ng/ml#	
6) Phenol	6.355	94	3061	8.61	ng/ml#	1
7) Aniline	6.361	93	382	N.D.		
8) Bis(2-chloroethyl) ether	6.425	93	2448	7.80	ng/ml#	49
9) 2-Chlorophenol	6.500	128	222	N.D.		
10) 1,3-Dichlorobenzene	6.655	146	142	N.D.		
11) 1,4-Dichlorobenzene	6.714	146	429	N.D.		
12) Benzyl alcohol	6.858	108	707	21.75	ng/ml	82
13) 1,2-Dichlorobenzene	6.874	146	62	N.D.		
14) 2-Methylphenol	6.960	107	236	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	6.965	45	155	N.D.		
16) N-Nitrosodi-n-propylamine	7.088	70	242	N.D.		
17) 3+4-Methylphenol	7.083	107	122	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.249	77	1840	6.74	ng/ml#	23
22) Isophorone	7.500	82	2386	5.07	ng/ml	67
23) 2-Nitrophenol	7.586	139	228	N.D.		
24) 2,4-Dimethylphenol	7.634	122	59	N.D.		

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.703	93	251	N.D.		
26) Benzoic acid	7.725	105	1602	632.40	ng/ml	84
27) 2,4-Dichlorophenol	7.858	162	56	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	6634	9.71	ng/ml	96
30) 4-Chloroaniline	8.046	127	52	9.67	ng/ml#	1
31) Hexachlorobutadiene	8.120	225	229	N.D.		
32) 4-Chloro-3-methylphenol	8.489	107	69	N.D.		
33) 2-Methylnaphthalene	8.687	142	1946	4.19	ng/ml	88
34) 1-Methylnaphthalene	8.794	142	1363	3.14	ng/ml	87
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.976	196	140	23.49	ng/ml#	45
38) 2,4,5-Trichlorophenol	9.014	198	62	19.16	ng/ml#	10
39) 1,1'-Biphenyl	9.158	154	2103	3.46	ng/ml	77
41) 2-Chloronaphthalene	9.196	162	368	N.D.		
42) 2-Nitroaniline	9.302	138	83	N.D.		
43) 2,6-Dimethylnaphthalene	9.324	156	758	N.D.		
44) 1,4-Dinitrobenzene	9.409	168	178	32.19	ng/ml#	61
45) Dimethyl phthalate	9.452	163	1202	N.D.		
46) 1,3-Dinitrobenzene	9.474	168	107	N.D.		
47) 2,6-Dinitrotoluene	9.506	165	2520	21.59	ng/ml	63
48) 1,2-Dinitrobenzene	9.570	168	141	2.55	ng/ml#	1
49) Acenaphthylene	9.607	152	721	N.D.		
50) 3-Nitroaniline	9.698	138	91	13.26	ng/ml#	24
51) Acenaphthene	9.779	153	2468	5.18	ng/ml#	46
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.853	139	54	64.30	ng/ml#	1
54) 2,4-Dinitrotoluene	9.918	165	65	N.D.		
55) Dibenzofuran	9.955	168	695	N.D.		
56) 2,3,5,6-Tetrachlorophenol	10.041	232	66	27.17	ng/ml#	52
57) 2,3,4,6-Tetrachlorophenol	10.083	232	175	11.02	ng/ml#	37
58) Diethyl phthalate	10.169	149	4135	7.87	ng/ml	94
59) 2,3,5-Trimethylnaphtha...	10.164	170	1132	2.60	ng/ml	95
60) Fluorene	10.308	166	534	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	10.313	138	224	3.03	ng/ml#	1
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

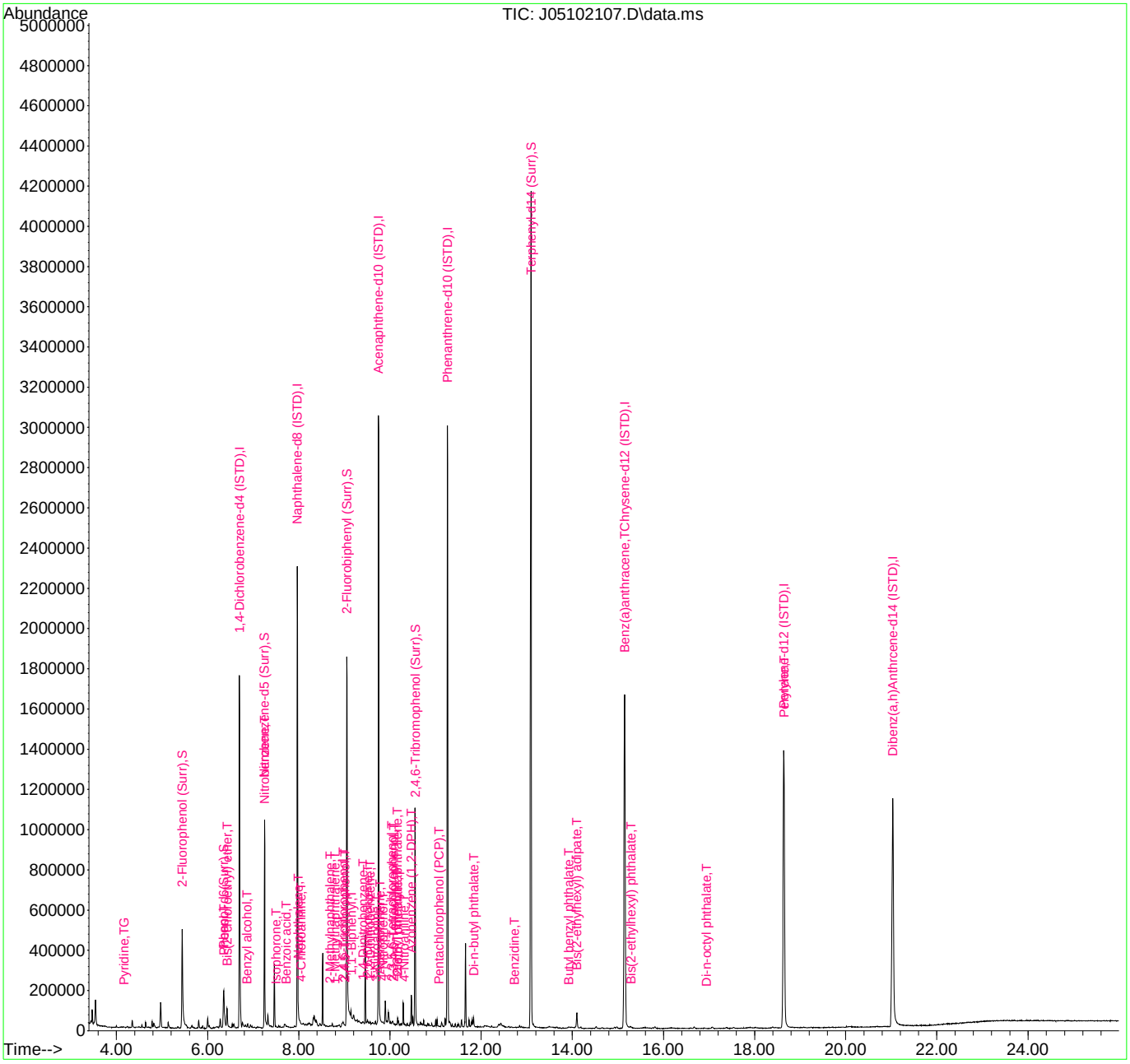
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.420	169	464	N.D.		
66) Azobenzene (1,2-DPH)	10.468	77	28481	59.68	ng/ml#	1
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	11.073	266	209	40.96	ng/ml#	34
71) Phenanthrene	11.281	178	1787	N.D.		
72) Anthracene	11.340	178	177	N.D.		
73) Carbazole	11.501	167	1135	N.D.		
74) Di-n-butyl phthalate	11.838	149	18705	23.05	ng/ml	97
75) Fluoranthene	12.576	202	630	N.D.		
76) Benzidine	12.736	184	222	84.92	ng/ml	67
77) Pyrene	12.881	202	598	N.D.		
80) Butyl benzyl phthalate	13.924	149	1111	3.11	ng/ml	99
81) Bis(2-ethylhexyl) adipate	14.100	129	24849	71.30	ng/ml	97
82) 3,3-Dichlorobenzidine	15.100	252	308	Below Cal		95
83) Benz(a)anthracene	15.149	228	3142	4.40	ng/ml	60
84) Chrysene	15.207	228	469	N.D.		
85) Bis(2-ethylhexyl) phth...	15.288	149	3252	6.59	ng/ml	88
87) Di-n-octyl phthalate	16.946	149	185	30.65	ng/ml#	2
88) Benzo(b)fluoranthene	17.727	252	531	N.D.		
89) Benzo(k)fluoranthene	17.791	252	127	N.D.		
90) Benzo(b+k)fluoranthene	17.727	252	531	N.D.		
91) Benzo(e)pyrene	18.384	252	182	N.D.		
92) Benzo(a)pyrene	18.491	252	131	N.D.		
93) Perylene	18.647	252	3981	7.43	ng/ml	70
95) Indeno(1,2,3-cd)pyrene	21.043	276	664	N.D.		
96) Dibenz(a,h)anthracene	21.096	278	275	N.D.		
97) Benzo(g,h,i)perylene	21.572	276	342	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102107.D
Acq On : 10 May 2021 1:07 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-01
Misc : 1x, 8270E LL PCP
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 10 13:42:25 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

AMS 5/10/21

Misinjection, do not use

Data Path : T:\data\2021-05\1E10040\
Data File : J05102108.D
Acq On : 10 May 2021 1:43 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:12:01 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.724	152	10871	2000.00	ng/ml	0.03
21) Naphthalene-d8 (ISTD)	7.971	136	39287	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	18313	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	25477	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.143	240	14724	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.636	264	9036	2000.00	ng/ml	-0.03
94) Dibenz(a,h)Anthrcene-d...	21.037	292	5965	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.462	112	1587	194.38	ng/ml	0.03
5) Phenol-d6(Surr)	6.366	99	2944	298.95	ng/ml	0.03
19) Nitrobenzene-d5 (Surr)	7.254	82	11723	1409.88	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	29047	2099.35	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.559	330	1380	1091.21	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.089	244	35125	4387.32	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.093	74	215m	36.68	ng/ml#	
3) Pyridine	4.162	79	337m	40.20	ng/ml#	
6) Phenol	6.366	94	58	5.34	ng/ml#	1
7) Aniline	6.457	93	134	12.77	ng/ml#	50
8) Bis(2-chloroethyl) ether	6.457	93	134	13.98	ng/ml#	33
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	6.976	45	61	5.75	ng/ml#	43
16) N-Nitrosodi-n-propylamine	7.051	70	52	8.24	ng/ml#	49
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.286	77	208	24.97	ng/ml#	47
22) Isophorone	7.511	82	206	14.55	ng/ml	57
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102108.D
Acq On : 10 May 2021 1:43 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:12:01 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	0.000		0	N.D.		
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	401	19.53	ng/ml	88
30) 4-Chloroaniline	0.000		0	N.D.		
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	8.693	142	88	6.30	ng/ml#	52
34) 1-Methylnaphthalene	8.789	142	69	5.29	ng/ml#	56
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	0.000		0	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.463	163	183	13.44	ng/ml#	1
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	9.463	165	74	25.02	ng/ml#	40
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	0.000		0	N.D.		
50) 3-Nitroaniline	0.000		0	N.D.		
51) Acenaphthene	0.000		0	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	0.000		0	N.D.		
55) Dibenzofuran	9.960	168	81	4.84	ng/ml#	11
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	10.174	149	116	8.71	ng/ml	59
59) 2,3,5-Trimethylnaphtha...	10.174	170	59	5.36	ng/ml#	6
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102108.D
Acq On : 10 May 2021 1:43 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:12:01 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

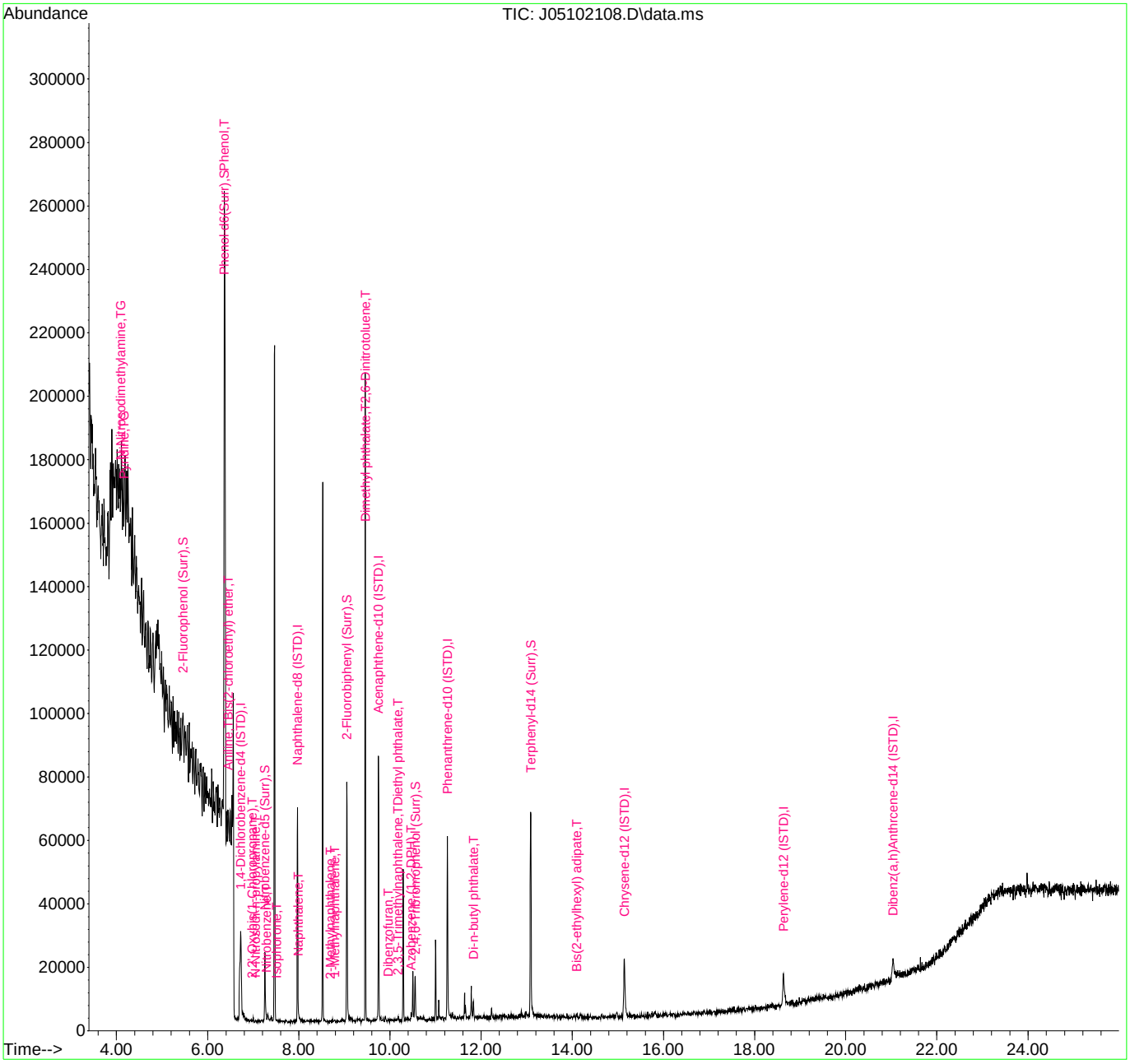
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	10.463	77	623	63.13	ng/ml#	1
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	0.000		0	N.D.		
72) Anthracene	0.000		0	N.D.		
73) Carbazole	0.000		0	N.D.		
74) Di-n-butyl phthalate	11.832	149	1209	72.05	ng/ml	81
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	0.000		0	N.D.		
77) Pyrene	0.000		0	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	14.100	129	234	52.65	ng/ml	55
82) 3,3-Dichlorobenzidine	0.000		0	N.D.		
83) Benz(a)anthracene	0.000		0	N.D.		
84) Chrysene	0.000		0	N.D.		
85) Bis(2-ethylhexyl) phth...	0.000		0	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	0.000		0	N.D.		
89) Benzo(k)fluoranthene	0.000		0	N.D.		
90) Benzo(b+k)fluoranthene	0.000		0	N.D.		
91) Benzo(e)pyrene	0.000		0	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	0.000		0	N.D.		
95) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
96) Dibenz(a,h)anthracene	0.000		0	N.D.		
97) Benzo(g,h,i)perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102108.D
Acq On : 10 May 2021 1:43 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:12:01 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	360105	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1305303	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	701155	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1241895	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.149	240	1195220	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.647	264	1112868	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.037	292	948253	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	228552	845.10	ng/ml	0.00
5) Phenol-d6(Surr)	6.350	99	113606	348.25	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.243	82	488445	1773.37	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	800010	1510.16	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	187044	3034.16	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.095	244	2013008	3097.47	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.109	74	139	N.D.		
3) Pyridine	4.146	79	2034m	7.32	ng/ml#	
6) Phenol	6.361	94	3727	10.37	ng/ml#	12
7) Aniline	6.366	93	401	N.D.		
8) Bis(2-chloroethyl) ether	6.425	93	2515	7.92	ng/ml	70
9) 2-Chlorophenol	6.505	128	95	N.D.		
10) 1,3-Dichlorobenzene	6.655	146	126	N.D.		
11) 1,4-Dichlorobenzene	6.714	146	477	N.D.		
12) Benzyl alcohol	6.842	108	222	18.84	ng/ml#	51
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	6.954	107	207	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	6.954	45	185	N.D.		
16) N-Nitrosodi-n-propylamine	7.088	70	145	N.D.		
17) 3+4-Methylphenol	7.088	107	71	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.243	77	1746	6.33	ng/ml#	11
22) Isophorone	7.500	82	2197	4.67	ng/ml	68
23) 2-Nitrophenol	7.586	139	60	N.D.		
24) 2,4-Dimethylphenol	7.676	122	6390	34.39	ng/ml#	10

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.709	93	86	N.D.		
26) Benzoic acid	7.730	105	1672	632.99	ng/ml	89
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	10253	15.03	ng/ml	100
30) 4-Chloroaniline	8.046	127	161	10.18	ng/ml#	50
31) Hexachlorobutadiene	8.115	225	385	3.41	ng/ml	81
32) 4-Chloro-3-methylphenol	8.527	107	459	N.D.		
33) 2-Methylnaphthalene	8.687	142	1344	2.90	ng/ml#	63
34) 1-Methylnaphthalene	8.789	142	1283	2.96	ng/ml	80
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	9.158	154	2192	3.72	ng/ml#	70
41) 2-Chloronaphthalene	9.201	162	162	N.D.		
42) 2-Nitroaniline	9.201	138	210	N.D.		
43) 2,6-Dimethylnaphthalene	9.324	156	751	N.D.		
44) 1,4-Dinitrobenzene	9.404	168	95	30.97	ng/ml#	1
45) Dimethyl phthalate	9.452	163	747	N.D.		
46) 1,3-Dinitrobenzene	9.500	168	112	N.D.		
47) 2,6-Dinitrotoluene	9.506	165	1307	11.54	ng/ml	65
48) 1,2-Dinitrobenzene	9.597	168	165	3.08	ng/ml#	1
49) Acenaphthylene	9.602	152	328	N.D.		
50) 3-Nitroaniline	9.725	138	132	13.64	ng/ml#	1
51) Acenaphthene	9.778	153	2166	4.69	ng/ml#	52
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.832	139	202	66.23	ng/ml#	1
54) 2,4-Dinitrotoluene	9.896	165	152	N.D.		
55) Dibenzofuran	9.955	168	1817	2.84	ng/ml#	38
56) 2,3,5,6-Tetrachlorophenol	9.971	232	122	27.71	ng/ml#	39
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	10.169	149	3870	7.59	ng/ml	85
59) 2,3,5-Trimethylnaphtha...	10.174	170	1566	3.71	ng/ml#	42
60) Fluorene	10.308	166	830	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	10.303	138	88	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

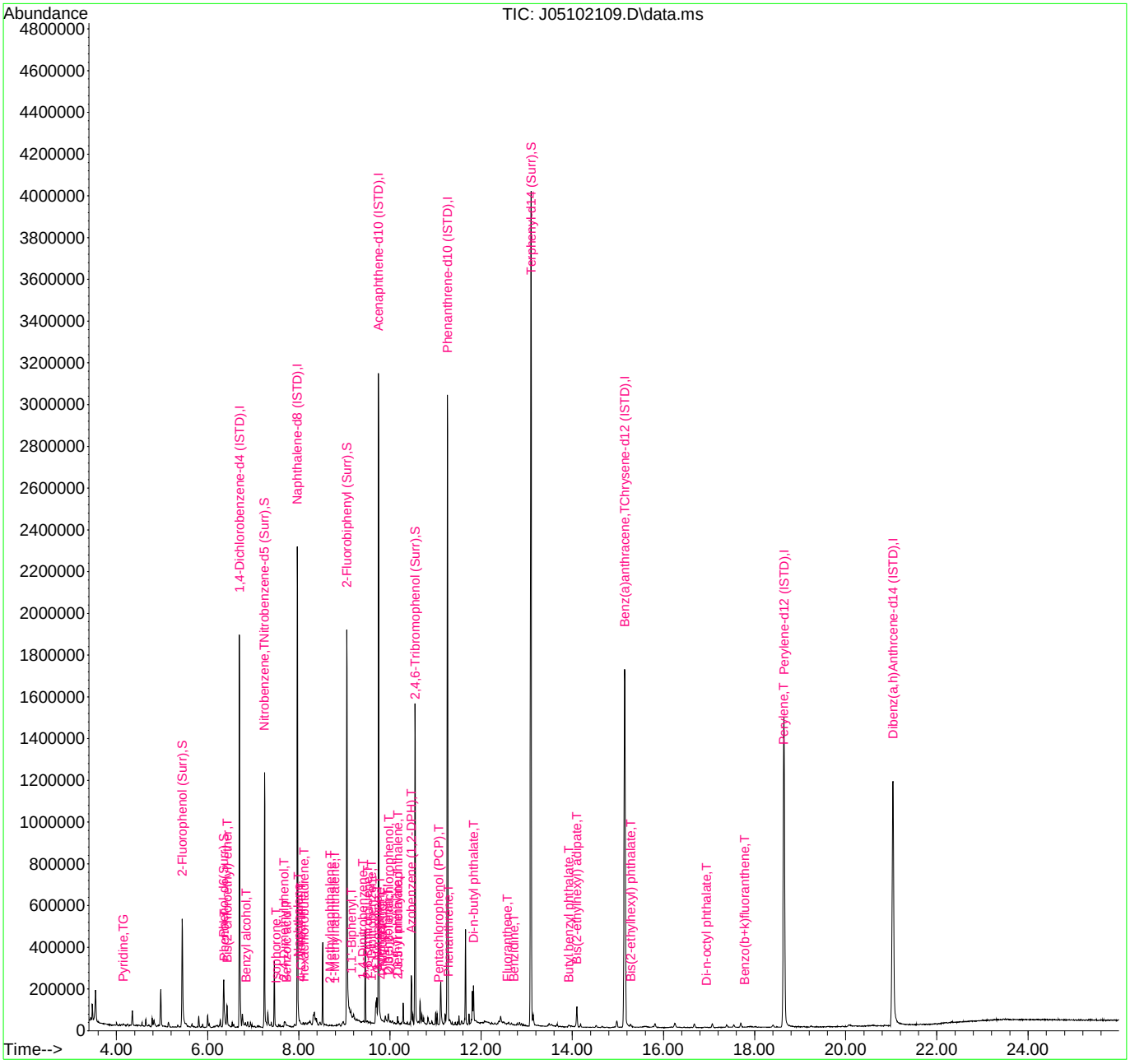
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.410	169	454	N.D.	
66) Azobenzene (1,2-DPH)	10.468	77	45520	94.62 ng/ml#	1
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.	
69) Hexachlorobenzene	0.000		0	N.D.	
70) Pentachlorophenol (PCP)	11.068	266	118	39.66 ng/ml#	48
71) Phenanthrene	11.287	178	3004	4.07 ng/ml	94
72) Anthracene	11.335	178	260	N.D.	
73) Carbazole	11.501	167	693	N.D.	
74) Di-n-butyl phthalate	11.832	149	72838	89.05 ng/ml	98
75) Fluoranthene	12.581	202	2192	2.98 ng/ml	92
76) Benzidine	12.715	184	157	84.58 ng/ml	76
77) Pyrene	12.881	202	1629	N.D.	
80) Butyl benzyl phthalate	13.924	149	1932	5.23 ng/ml	70
81) Bis(2-ethylhexyl) adipate	14.100	129	32199	89.26 ng/ml	97
82) 3,3-Dichlorobenzidine	15.090	252	418	Below Cal #	64
83) Benz(a)anthracene	15.149	228	3850	5.21 ng/ml	83
84) Chrysene	15.202	228	958	N.D.	
85) Bis(2-ethylhexyl) phth...	15.282	149	5304	10.38 ng/ml	91
87) Di-n-octyl phthalate	16.946	149	1337	31.88 ng/ml#	25
88) Benzo(b)fluoranthene	17.727	252	1297	N.D.	
89) Benzo(k)fluoranthene	17.785	252	1364	N.D.	
90) Benzo(b+k)fluoranthene	17.785	252	2661	3.91 ng/ml	93
91) Benzo(e)pyrene	18.374	252	1091	N.D.	
92) Benzo(a)pyrene	18.507	252	709	N.D.	
93) Perylene	18.636	252	4149	7.42 ng/ml	65
95) Indeno(1,2,3-cd)pyrene	21.043	276	1371	N.D.	
96) Dibenz(a,h)anthracene	21.086	278	521	N.D.	
97) Benzo(g,h,i)perylene	21.567	276	764	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	360105	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1305303	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.746	162	701155	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.260	188	1241895	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.149	240	1195220	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.647	264	1112868	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.037	292	948253	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	228552	845.10	ng/ml	0.00
5) Phenol-d6(Surr)	6.350	99	113606	348.25	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.243	82	488445	1773.37	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.051	172	800010	1510.16	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	187044	3034.16	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.095	244	2013008	3097.47	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.109	74	139	N.D.		
3) Pyridine	4.146	79	2034m	7.32	ng/ml#	
6) Phenol	6.361	94	3727	10.37	ng/ml#	12
7) Aniline	6.366	93	401	N.D.		
8) Bis(2-chloroethyl) ether	6.425	93	2515	7.92	ng/ml	70
9) 2-Chlorophenol	6.505	128	95	N.D.		
10) 1,3-Dichlorobenzene	6.655	146	126	N.D.		
11) 1,4-Dichlorobenzene	6.714	146	477	N.D.		
12) Benzyl alcohol	6.842	108	222	18.84	ng/ml#	51
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	6.954	107	207	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	6.954	45	185	N.D.		
16) N-Nitrosodi-n-propylamine	7.088	70	145	N.D.		
17) 3+4-Methylphenol	7.088	107	71	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.243	77	1746	6.33	ng/ml#	11
22) Isophorone	7.500	82	2197	4.67	ng/ml	68
23) 2-Nitrophenol	7.586	139	60	N.D.		
24) 2,4-Dimethylphenol	7.676	122	6390	34.39	ng/ml#	10

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.709	93	86	N.D.		
26) Benzoic acid	7.730	105	1672	632.99	ng/ml	89
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	7.987	128	10253	15.03	ng/ml	100
30) 4-Chloroaniline	8.046	127	161	10.18	ng/ml#	50
31) Hexachlorobutadiene	8.115	225	385	3.41	ng/ml	81
32) 4-Chloro-3-methylphenol	8.527	107	459	N.D.		
33) 2-Methylnaphthalene	8.687	142	1344	2.90	ng/ml#	63
34) 1-Methylnaphthalene	8.789	142	1283	2.96	ng/ml	80
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	9.158	154	2192	3.72	ng/ml#	70
41) 2-Chloronaphthalene	9.201	162	162	N.D.		
42) 2-Nitroaniline	9.201	138	210	N.D.		
43) 2,6-Dimethylnaphthalene	9.324	156	751	N.D.		
44) 1,4-Dinitrobenzene	9.404	168	95	30.97	ng/ml#	1
45) Dimethyl phthalate	9.452	163	747	N.D.		
46) 1,3-Dinitrobenzene	9.500	168	112	N.D.		
47) 2,6-Dinitrotoluene	9.506	165	1307	11.54	ng/ml	65
48) 1,2-Dinitrobenzene	9.597	168	165	3.08	ng/ml#	1
49) Acenaphthylene	9.602	152	328	N.D.		
50) 3-Nitroaniline	9.725	138	132	13.64	ng/ml#	1
51) Acenaphthene	9.778	153	2166	4.69	ng/ml#	52
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.832	139	202	66.23	ng/ml#	1
54) 2,4-Dinitrotoluene	9.896	165	152	N.D.		
55) Dibenzofuran	9.955	168	1817	2.84	ng/ml#	38
56) 2,3,5,6-Tetrachlorophenol	9.971	232	122	27.71	ng/ml#	39
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	10.169	149	3870	7.59	ng/ml	85
59) 2,3,5-Trimethylnaphtha...	10.174	170	1566	3.71	ng/ml#	42
60) Fluorene	10.308	166	830	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	10.303	138	88	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

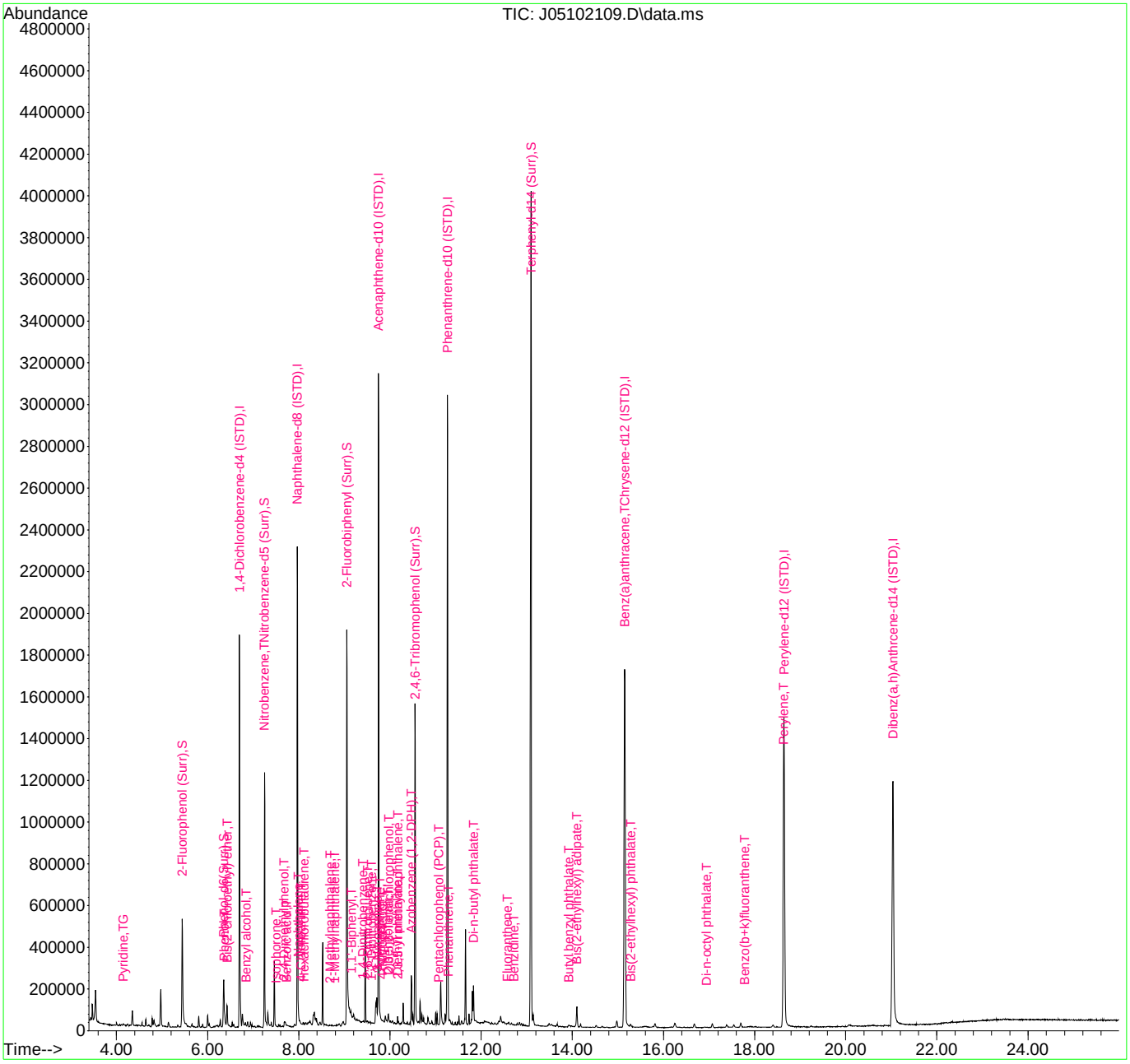
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.410	169	454	N.D.	
66) Azobenzene (1,2-DPH)	10.468	77	45520	94.62 ng/ml#	1
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.	
69) Hexachlorobenzene	0.000		0	N.D.	
70) Pentachlorophenol (PCP)	11.068	266	118	39.66 ng/ml#	48
71) Phenanthrene	11.287	178	3004	4.07 ng/ml	94
72) Anthracene	11.335	178	260	N.D.	
73) Carbazole	11.501	167	693	N.D.	
74) Di-n-butyl phthalate	11.832	149	72838	89.05 ng/ml	98
75) Fluoranthene	12.581	202	2192	2.98 ng/ml	92
76) Benzidine	12.715	184	157	84.58 ng/ml	76
77) Pyrene	12.881	202	1629	N.D.	
80) Butyl benzyl phthalate	13.924	149	1932	5.23 ng/ml	70
81) Bis(2-ethylhexyl) adipate	14.100	129	32199	89.26 ng/ml	97
82) 3,3-Dichlorobenzidine	15.090	252	418	Below Cal #	64
83) Benz(a)anthracene	15.149	228	3850	5.21 ng/ml	83
84) Chrysene	15.202	228	958	N.D.	
85) Bis(2-ethylhexyl) phth...	15.282	149	5304	10.38 ng/ml	91
87) Di-n-octyl phthalate	16.946	149	1337	31.88 ng/ml#	25
88) Benzo(b)fluoranthene	17.727	252	1297	N.D.	
89) Benzo(k)fluoranthene	17.785	252	1364	N.D.	
90) Benzo(b+k)fluoranthene	17.785	252	2661	3.91 ng/ml	93
91) Benzo(e)pyrene	18.374	252	1091	N.D.	
92) Benzo(a)pyrene	18.507	252	709	N.D.	
93) Perylene	18.636	252	4149	7.42 ng/ml	65
95) Indeno(1,2,3-cd)pyrene	21.043	276	1371	N.D.	
96) Dibenz(a,h)anthracene	21.086	278	521	N.D.	
97) Benzo(g,h,i)perylene	21.567	276	764	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102109.D
Acq On : 10 May 2021 2:20 pm
Operator : JK/ AMS/ DTH
Sample : A1E0219-02RE1
Misc : 1x, 8270E LL PCP
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 10 14:56:35 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102110.D
Acq On : 10 May 2021 2:56 pm
Operator : JK/ AMS/ DTH
Sample : A1E0086-01
Misc : 1x, 8270E LL PCP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 15:30:40 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	303321	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1238211	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	748624	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1304450	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1301766	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.652	264	1227783	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.037	292	1120143	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	213693	938.07	ng/ml	0.00
5) Phenol-d6(Surr)	6.350	99	115723	421.15	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.243	82	441562	1903.28	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.056	172	1071138	1893.76	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	200624	3098.38	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.100	244	1961957	2771.82	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.093	74	153	N.D.		
3) Pyridine	4.130	79	2755m	11.78	ng/ml#	
6) Phenol	6.361	94	965	3.19	ng/ml#	1
7) Aniline	6.366	93	403	N.D.		
8) Bis(2-chloroethyl) ether	6.425	93	2401	8.98	ng/ml#	35
9) 2-Chlorophenol	6.516	128	419	N.D.		
10) 1,3-Dichlorobenzene	6.649	146	1110	4.38	ng/ml	94
11) 1,4-Dichlorobenzene	6.719	146	1289	5.13	ng/ml#	70
12) Benzyl alcohol	6.853	108	172	18.74	ng/ml#	46
13) 1,2-Dichlorobenzene	6.869	146	939	3.88	ng/ml#	45
14) 2-Methylphenol	6.954	107	617	3.57	ng/ml	90
15) 2,2'-Oxybis(1-Chloropr...	6.949	45	29983	101.35	ng/ml#	44
16) N-Nitrosodi-n-propylamine	7.125	70	524	2.98	ng/ml#	56
17) 3+4-Methylphenol	7.109	107	482	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.243	77	1846	7.94	ng/ml#	36
22) Isophorone	7.495	82	2078	4.66	ng/ml	69
23) 2-Nitrophenol	7.585	139	14054	124.93	ng/ml	53
24) 2,4-Dimethylphenol	7.628	122	321	N.D.		

Data Path : T:\data\2021-05\1E10040\
Data File : J05102110.D
Acq On : 10 May 2021 2:56 pm
Operator : JK/ AMS/ DTH
Sample : A1E0086-01
Misc : 1x, 8270E LL PCP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 15:30:40 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.708	93	382	N.D.		
26) Benzoic acid	7.682	105	14083	740.56	ng/ml	95
27) 2,4-Dichlorophenol	7.805	162	80	N.D.		
28) 1,2,4-Trichlorobenzene	7.906	180	308	N.D.		
29) Naphthalene	7.987	128	3292	5.09	ng/ml	90
30) 4-Chloroaniline	8.051	127	507	11.93	ng/ml#	27
31) Hexachlorobutadiene	8.120	225	60	N.D.		
32) 4-Chloro-3-methylphenol	8.548	107	1580	8.70	ng/ml#	22
33) 2-Methylnaphthalene	8.698	142	19876	45.16	ng/ml#	31
34) 1-Methylnaphthalene	8.789	142	630	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.971	196	343	24.79	ng/ml#	37
38) 2,4,5-Trichlorophenol	9.030	198	129	19.60	ng/ml#	12
39) 1,1'-Biphenyl	9.158	154	3094	4.92	ng/ml	80
41) 2-Chloronaphthalene	9.179	162	327	N.D.		
42) 2-Nitroaniline	9.281	138	515	3.39	ng/ml#	53
43) 2,6-Dimethylnaphthalene	9.313	156	917	N.D.		
44) 1,4-Dinitrobenzene	9.383	168	4000	88.29	ng/ml#	22
45) Dimethyl phthalate	9.452	163	1653	2.97	ng/ml#	1
46) 1,3-Dinitrobenzene	9.500	168	815	10.17	ng/ml#	18
47) 2,6-Dinitrotoluene	9.516	165	1667	13.79	ng/ml#	25
48) 1,2-Dinitrobenzene	9.564	168	2638	46.09	ng/ml#	60
49) Acenaphthylene	9.602	152	1106	N.D.		
50) 3-Nitroaniline	9.693	138	131	13.56	ng/ml#	20
51) Acenaphthene	9.821	153	42660	86.48	ng/ml#	37
52) 2,4-Dinitrophenol	9.778	184	1354	190.09	ng/ml#	1
53) 4-Nitrophenol	9.885	139	261	66.77	ng/ml#	1
54) 2,4-Dinitrotoluene	9.944	165	74	N.D.		
55) Dibenzofuran	9.950	168	207	N.D.		
56) 2,3,5,6-Tetrachlorophenol	10.040	232	398	30.08	ng/ml#	1
57) 2,3,4,6-Tetrachlorophenol	10.094	232	489	13.93	ng/ml#	36
58) Diethyl phthalate	10.169	149	2585	4.75	ng/ml	79
59) 2,3,5-Trimethylnaphtha...	10.153	170	11144	24.74	ng/ml#	1
60) Fluorene	10.303	166	1850	3.37	ng/ml#	1
61) 4-Chlorophenyl phenyl ...	10.297	204	455	N.D.		
62) 4-Nitroaniline	10.319	138	407	5.32	ng/ml#	1
63) 4,6-Dinitro-2-methylph...	10.351	198	133	73.62	ng/ml#	1

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102110.D
Acq On : 10 May 2021 2:56 pm
Operator : JK/ AMS/ DTH
Sample : A1E0086-01
Misc : 1x, 8270E LL PCP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 15:30:40 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

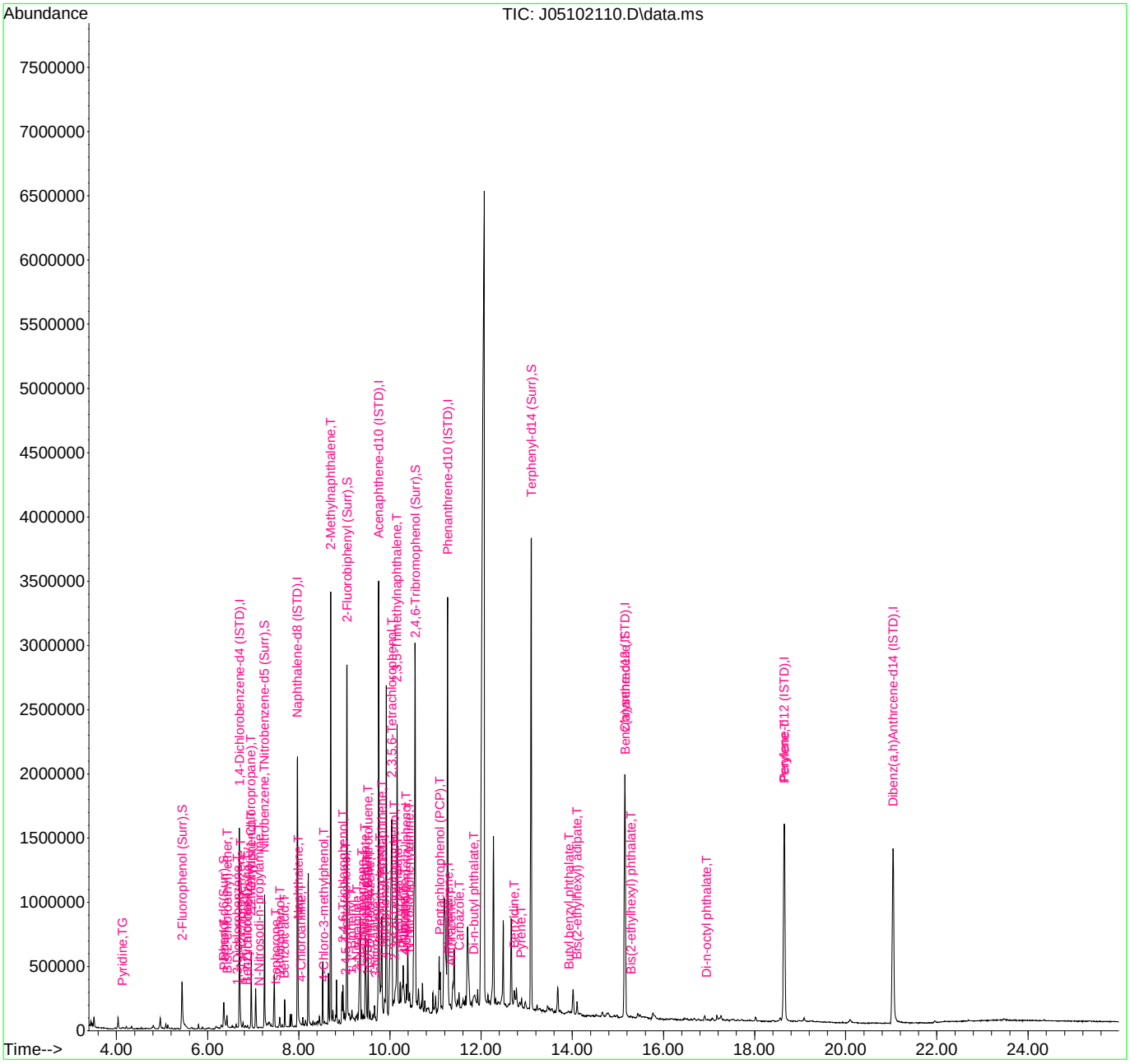
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.426	169	2364	5.54	ng/ml#	67
66) Azobenzene (1,2-DPH)	10.463	77	465	N.D.		
68) 4-Bromophenyl phenyl e...	10.795	248	179	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	11.089	266	567	45.61	ng/ml	84
71) Phenanthrene	11.287	178	3022	3.90	ng/ml#	36
72) Anthracene	11.340	178	4431	6.02	ng/ml	84
73) Carbazole	11.517	167	4999	8.53	ng/ml#	53
74) Di-n-butyl phthalate	11.838	149	7214	8.40	ng/ml	89
75) Fluoranthene	12.581	202	1614	N.D.		
76) Benzidine	12.725	184	4346	104.99	ng/ml#	24
77) Pyrene	12.881	202	4633	5.82	ng/ml	77
80) Butyl benzyl phthalate	13.929	149	1428	3.55	ng/ml#	1
81) Bis(2-ethylhexyl) adipate	14.105	129	33682	85.73	ng/ml	94
82) 3,3-Dichlorobenzidine	15.090	252	479	Below Cal		78
83) Benz(a)anthracene	15.159	228	3943	4.90	ng/ml	76
84) Chrysene	15.207	228	1141	N.D.		
85) Bis(2-ethylhexyl) phth...	15.287	149	6173	11.09	ng/ml	79
87) Di-n-octyl phthalate	16.946	149	854	31.28	ng/ml#	1
88) Benzo(b)fluoranthene	17.721	252	857	N.D.		
89) Benzo(k)fluoranthene	17.801	252	355	N.D.		
90) Benzo(b+k)fluoranthene	17.721	252	1703	N.D.		
91) Benzo(e)pyrene	18.384	252	593	N.D.		
92) Benzo(a)pyrene	18.513	252	827	N.D.		
93) Perylene	18.657	252	4423	7.17	ng/ml	68
95) Indeno(1,2,3-cd)pyrene	21.037	276	1169	N.D.		
96) Dibenz(a,h)anthracene	21.096	278	495	N.D.		
97) Benzo(g,h,i)perylene	21.572	276	811	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102110.D
Acq On : 10 May 2021 2:56 pm
Operator : JK/ AMS/ DTH
Sample : A1E0086-01
Misc : 1x, 8270E LL PCP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 15:30:40 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



Quantitation Report (QT Reviewed)

AMS 5/10/21

Data Path : T:\data\2021-05\1E10040\
Data File : J05102110.D
Acq On : 10 May 2021 2:56 pm
Operator : JK/ AMS/ DTH
Sample : A1E0086-01
Misc : 1x, 8270E LL PCP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 15:30:40 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.698	152	303321	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	7.965	136	1238211	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.752	162	748624	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.265	188	1304450	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.154	240	1301766	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.652	264	1227783	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.037	292	1120143	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.441	112	213693	938.07	ng/ml	0.00
5) Phenol-d6(Surr)	6.350	99	115723	421.15	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.243	82	441562	1903.28	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.056	172	1071138	1893.76	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.554	330	200624	3098.38	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.100	244	1961957	2771.82	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.093	74	153	N.D.		
3) Pyridine	4.130	79	2755m	11.78	ng/ml#	
6) Phenol	6.361	94	965	3.19	ng/ml#	1
7) Aniline	6.366	93	403	N.D.		
8) Bis(2-chloroethyl) ether	6.425	93	2401	8.98	ng/ml#	35
9) 2-Chlorophenol	6.516	128	419	N.D.		
10) 1,3-Dichlorobenzene	6.649	146	1110	4.38	ng/ml	94
11) 1,4-Dichlorobenzene	6.719	146	1289	5.13	ng/ml#	70
12) Benzyl alcohol	6.853	108	172	18.74	ng/ml#	46
13) 1,2-Dichlorobenzene	6.869	146	939	3.88	ng/ml#	45
14) 2-Methylphenol	6.954	107	617	3.57	ng/ml	90
15) 2,2'-Oxybis(1-Chloropr...	6.949	45	29983	101.35	ng/ml#	44
16) N-Nitrosodi-n-propylamine	7.125	70	524	2.98	ng/ml#	56
17) 3+4-Methylphenol	7.109	107	482	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.243	77	1846	7.94	ng/ml#	36
22) Isophorone	7.495	82	2078	4.66	ng/ml	69
23) 2-Nitrophenol	7.585	139	14054	124.93	ng/ml	53
24) 2,4-Dimethylphenol	7.628	122	321	N.D.		

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Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.708	93	382	N.D.		
26) Benzoic acid	7.682	105	14083	740.56	ng/ml	95
27) 2,4-Dichlorophenol	7.805	162	80	N.D.		
28) 1,2,4-Trichlorobenzene	7.906	180	308	N.D.		
29) Naphthalene	7.987	128	3292	5.09	ng/ml	90
30) 4-Chloroaniline	8.051	127	507	11.93	ng/ml#	27
31) Hexachlorobutadiene	8.120	225	60	N.D.		
32) 4-Chloro-3-methylphenol	8.548	107	1580	8.70	ng/ml#	22
33) 2-Methylnaphthalene	8.698	142	19876	45.16	ng/ml#	31
34) 1-Methylnaphthalene	8.789	142	630	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	8.971	196	343	24.79	ng/ml#	37
38) 2,4,5-Trichlorophenol	9.030	198	129	19.60	ng/ml#	12
39) 1,1'-Biphenyl	9.158	154	3094	4.92	ng/ml	80
41) 2-Chloronaphthalene	9.179	162	327	N.D.		
42) 2-Nitroaniline	9.281	138	515	3.39	ng/ml#	53
43) 2,6-Dimethylnaphthalene	9.313	156	917	N.D.		
44) 1,4-Dinitrobenzene	9.383	168	4000	88.29	ng/ml#	22
45) Dimethyl phthalate	9.452	163	1653	2.97	ng/ml#	1
46) 1,3-Dinitrobenzene	9.500	168	815	10.17	ng/ml#	18
47) 2,6-Dinitrotoluene	9.516	165	1667	13.79	ng/ml#	25
48) 1,2-Dinitrobenzene	9.564	168	2638	46.09	ng/ml#	60
49) Acenaphthylene	9.602	152	1106	N.D.		
50) 3-Nitroaniline	9.693	138	131	13.56	ng/ml#	20
51) Acenaphthene	9.821	153	42660	86.48	ng/ml#	37
52) 2,4-Dinitrophenol	9.778	184	1354	190.09	ng/ml#	1
53) 4-Nitrophenol	9.885	139	261	66.77	ng/ml#	1
54) 2,4-Dinitrotoluene	9.944	165	74	N.D.		
55) Dibenzofuran	9.950	168	207	N.D.		
56) 2,3,5,6-Tetrachlorophenol	10.040	232	398	30.08	ng/ml#	1
57) 2,3,4,6-Tetrachlorophenol	10.094	232	489	13.93	ng/ml#	36
58) Diethyl phthalate	10.169	149	2585	4.75	ng/ml	79
59) 2,3,5-Trimethylnaphtha...	10.153	170	11144	24.74	ng/ml#	1
60) Fluorene	10.303	166	1850	3.37	ng/ml#	1
61) 4-Chlorophenyl phenyl ...	10.297	204	455	N.D.		
62) 4-Nitroaniline	10.319	138	407	5.32	ng/ml#	1
63) 4,6-Dinitro-2-methylph...	10.351	198	133	73.62	ng/ml#	1

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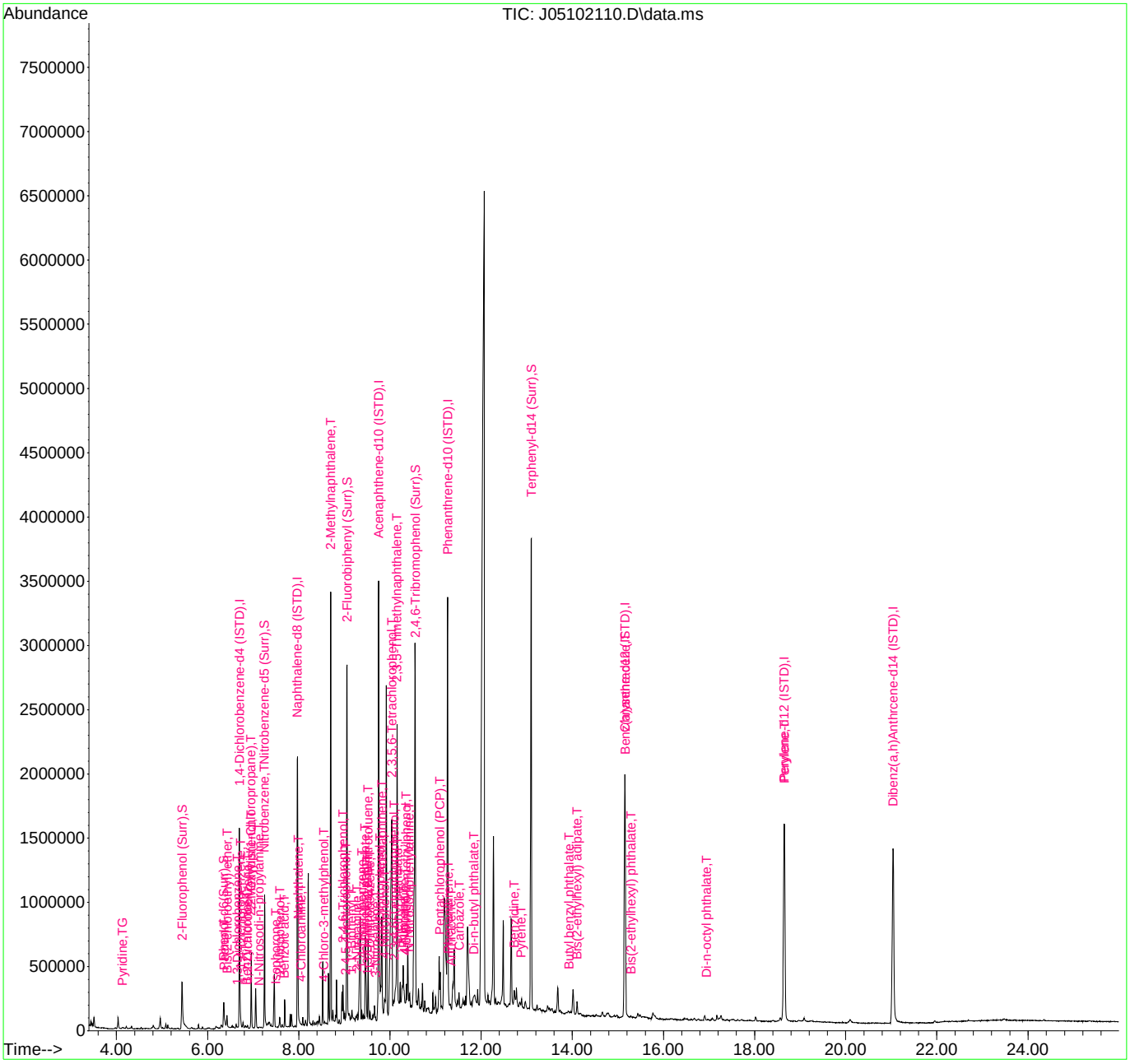
66) Azobenzene (1,2-DPH)	10.463	77	465	N.D.		
68) 4-Bromophenyl phenyl e...	10.795	248	179	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	11.089	266	567	45.61	ng/ml	84
71) Phenanthrene	11.287	178	3022	3.90	ng/ml#	36
72) Anthracene	11.340	178	4431	6.02	ng/ml	84
73) Carbazole	11.517	167	4999	8.53	ng/ml#	53
74) Di-n-butyl phthalate	11.838	149	7214	8.40	ng/ml	89
75) Fluoranthene	12.581	202	1614	N.D.		
76) Benzidine	12.725	184	4346	104.99	ng/ml#	24
77) Pyrene	12.881	202	4633	5.82	ng/ml	77
80) Butyl benzyl phthalate	13.929	149	1428	3.55	ng/ml#	1
81) Bis(2-ethylhexyl) adipate	14.105	129	33682	85.73	ng/ml	94
82) 3,3-Dichlorobenzidine	15.090	252	479	Below Cal		78
83) Benz(a)anthracene	15.159	228	3943	4.90	ng/ml	76
84) Chrysene	15.207	228	1141	N.D.		
85) Bis(2-ethylhexyl) phth...	15.287	149	6173	11.09	ng/ml	79
87) Di-n-octyl phthalate	16.946	149	854	31.28	ng/ml#	1
88) Benzo(b)fluoranthene	17.721	252	857	N.D.		
89) Benzo(k)fluoranthene	17.801	252	355	N.D.		
90) Benzo(b+k)fluoranthene	17.721	252	1703	N.D.		
91) Benzo(e)pyrene	18.384	252	593	N.D.		
92) Benzo(a)pyrene	18.513	252	827	N.D.		
93) Perylene	18.657	252	4423	7.17	ng/ml	68
95) Indeno(1,2,3-cd)pyrene	21.037	276	1169	N.D.		
96) Dibenz(a,h)anthracene	21.096	278	495	N.D.		
97) Benzo(g,h,i)perylene	21.572	276	811	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\data\2021-05\1E10040\
Data File : J05102110.D
Acq On : 10 May 2021 2:56 pm
Operator : JK/ AMS/ DTH
Sample : A1E0086-01
Misc : 1x, 8270E LL PCP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 15:30:40 2021
Quant Method : T:\methods\SV10_032421R1.M
Quant Title : EPA 8270E: Semivolatile Organics
QLast Update : Mon May 03 14:51:27 2021
Response via : Initial Calibration
InstName : SV-GCMS10



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

Semivolatile Organic Compounds by EPA 8270E
Calibration Data

Sequence 1C24070 (Cal ID A1C2507) SV-GCMS10

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1C24070 Instrument: SV-GCMS10

Date: **03/24/21 20:06** Calibration: **A1C2507**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1C24070-TUN1	Water	QC	QC			A21A285	A21C229
2	1C24070-ICB1	Water	QC	QC			A21A285	
3	1C24070-CAL1	Water	QC	QC			A21A285	A21C126
4	1C24070-CAL2	Water	QC	QC			A21A285	A21C127
5	1C24070-CAL3	Water	QC	QC			A21A285	A21C128
6	1C24070-CAL4	Water	QC	QC			A21A285	A21C129
7	1C24070-CAL5	Water	QC	QC			A21A285	A21C130
8	1C24070-CAL6	Water	QC	QC			A21A285	A21C131
9	1C24070-CAL7	Water	QC	QC			A21A285	A21C132
10	1C24070-CAL8	Water	QC	QC			A21A285	A21C133
11	1C24070-CAL9	Water	QC	QC			A21A285	A21C134
12	1C24070-CALA	Water	QC	QC			A21A285	A21C135
13	1C24070-IBL1	Water	QC	QC			A21A285	
14	1C24070-ICV1	Water	QC	QC			A21A285	A21B480
15	1C24070-IBL2	Water	QC	QC			A21A285	

Standard	Description:	Expires:
A21A285	PAH IntStd stock @ 2.0ppm	7/21/2021
A21B480	BNA+ ICV@1.0 PPM	7/21/2021
A21C126	BNA+ CAL1 @0.02ppm	9/7/2021
A21C127	BNA+ CAL2 @0.05ppm	9/7/2021
A21C128	BNA+ CAL3 @0.10ppm	9/7/2021
A21C129	BNA+ CAL4 @0.20ppm	9/7/2021
A21C130	BNA+ CAL5 @0.50ppm	9/7/2021
A21C131	BNA+ CAL6 @1.0ppm	9/7/2021
A21C132	BNA+ CAL7 @2.0ppm	9/7/2021
A21C133	BNA+ CAL8 @4.0ppm	9/7/2021
A21C134	BNA+ CAL9 @6.0ppm	9/7/2021
A21C135	BNA+ CALA @8.0ppm	9/7/2021

Data Entered By/Date: JK 3/26/21 Comments:

Data Reviewed By/Date: dgj 3/26/21

Calibration Status Report SV-GCMS10

Method Path : C:\msdchem\1\methods\
Method File : SV10_032421.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Thu Mar 25 13:11:22 2021
Response Via : Initial Calibration

JK 3/25/21

A1C2507

#	ID	Conc	ISTD Conc	Path\File
1	20	20	2000	C:\msdchem\1\data\2021-03\1C24070\J03242115.D
2	50	50	2000	C:\msdchem\1\data\2021-03\1C24070\J03242116.D
3	100	100	2000	C:\msdchem\1\data\2021-03\1C24070\J03242117.D
4	200	200	2000	C:\msdchem\1\data\2021-03\1C24070\J03242118.D
5	500	500	2000	C:\msdchem\1\data\2021-03\1C24070\J03242119.D
6	1000	1000	2000	C:\msdchem\1\data\2021-03\1C24070\J03242120.D
7	2000	2000	2000	C:\msdchem\1\data\2021-03\1C24070\J03242121.D
8	4000	4000	2000	C:\msdchem\1\data\2021-03\1C24070\J03242122.D
9	6000	6000	2000	C:\msdchem\1\data\2021-03\1C24070\J03242123.D
10	8000	8000	2000	C:\msdchem\1\data\2021-03\1C24070\J03242124.D

#	ID	Update Time	Quant Time	Acquisition Time
1	20	Mar 25 13:10 2021	Mar 25 11:45 2021	24 Mar 2021 9:18 pm
2	50	Mar 25 13:10 2021	Mar 25 11:48 2021	24 Mar 2021 9:54 pm
3	100	Mar 25 13:10 2021	Mar 25 11:52 2021	24 Mar 2021 10:29 pm
4	200	Mar 25 13:10 2021	Mar 25 11:54 2021	24 Mar 2021 11:05 pm
5	500	Mar 25 13:10 2021	Mar 25 11:59 2021	24 Mar 2021 11:40 pm
6	1000	Mar 25 13:11 2021	Mar 25 12:00 2021	25 Mar 2021 12:16 am
7	2000	Mar 25 13:11 2021	Mar 25 12:02 2021	25 Mar 2021 12:52 am
8	4000	Mar 25 13:11 2021	Mar 25 12:08 2021	25 Mar 2021 1:27 am
9	6000	Mar 25 13:11 2021	Mar 25 12:13 2021	25 Mar 2021 2:03 am
10	8000	Mar 25 13:11 2021	Mar 25 13:08 2021	25 Mar 2021 2:38 am

SV10_032421.M Thu Mar 25 15:40:30 2021

Response Factor Report SV-GCMS10

Method Path : C:\msdchem\1\methods\
Method File : SV10_032421.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Thu Mar 25 13:11:22 2021
Response Via : Initial Calibration

JK 3/25/21

Calibration Files
20 =J03242115.D 50 =J03242116.D 100 =J03242117.D 200 =J03242118.D 500 =J03242119.D
1000=J03242120.D 2000=J03242121.D 4000=J03242122.D 6000=J03242123.D 8000=J03242124.D

		Compound	20	50	100	200	500	1000	2000	4000	6000	8000	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------											2.42
2)	TG	N-Nitrosodimet...	1.042	1.068	1.161	1.088	1.054	1.058	1.081	1.092	1.060	1.080	1.078	3.06
3)	TG	Pyridine	1.295	1.325	1.462	1.604	1.523	1.494	1.655	1.728	1.662	1.674	1.542	9.68
4)	S	2-Fluorophenol...	1.440	1.089	1.136	1.605	1.667	1.596	1.629	1.641	1.615	1.601	1.502	14.26
5)	S	Phenol-d6(Surr)	1.478	1.540	1.642	1.674	1.835	1.974	2.037	2.046	1.940	1.951	1.812	11.66
6)	T	Phenol	1.730	1.790	1.948	1.891	2.017	2.130	2.224	2.176	2.049	2.012	1.997	8.05
7)	T	Aniline	1.852	2.034	2.028	2.121	1.969	2.003	1.893	1.831	1.715	1.858	1.930	6.28
8)	T	Bis(2-chloroet...	1.816	1.720	1.747	1.666	1.697	1.698	1.889	1.905	1.792	1.707	1.764	4.74
9)	T	2-Chlorophenol	1.200	1.447	1.487	1.535	1.610	1.603	1.644	1.612	1.523	1.536	1.520	8.44
10)	T	1,3-Dichlorobe...	1.616	1.782	1.787	1.780	1.739	1.699	1.706	1.601	1.529	1.456	1.669	6.88
11)	T	1,4-Dichlorobe...	1.734	1.830	1.749	1.764	1.720	1.649	1.683	1.562	1.474	1.414	1.658	8.09
12)	T	Benzyl alcohol	0.164	0.548	0.724	0.712	0.917	1.040	1.125	1.143	1.084	1.095	0.855	37.24
13)	T	1,2-Dichlorobe...	1.628	1.666	1.694	1.676	1.713	1.648	1.646	1.531	1.423	1.353	1.598	7.64
14)	T	2-Methylphenol	0.829	1.041	1.125	1.081	1.154	1.287	1.317	1.264	1.166	1.136	1.140	12.39
15)	T	2,2'-Oxybis(1-...	2.097	2.131	2.102	2.079	2.042	2.016	1.982	1.835	1.660	1.563	1.951	10.19
16)	T	N-Nitrosodi-n-...	1.180	1.161	1.127	1.177	1.251	1.246	1.238	1.130	1.056	1.039	1.160	6.41
17)	T	3+4-Methylphenol	1.124	1.269	1.352	1.358	1.519	1.692	1.685	1.597	1.471	1.421	1.449	12.59
18)	T	Hexachloroethane	0.560	0.481	0.508	0.528	0.537	0.520	0.525	0.504	0.485	0.466	0.511	5.56
19)	S	Nitrobenzene-d...	1.357	1.420	1.450	1.483	1.536	1.653	1.675	1.637	1.545	1.542	1.530	6.85
20)	T	Nitrobenzene	~	1.428	1.511	1.511	1.559	1.672	1.646	1.579	1.453	1.435	1.533	5.79
21)	I	Naphthalene-d8 (ISTD)	----------ISTD----------											2.32
22)	T	Isophorone	0.656	0.719	0.773	0.746	0.770	0.740	0.727	0.701	0.687	0.687	0.721	5.28
23)	T	2-Nitrophenol	~	~	0.131	0.156	0.180	0.194	0.201	0.202	0.195	0.196	0.182	14.07
24)	T	2,4-Dimethylph...	~	0.258	0.262	0.272	0.283	0.310	0.309	0.303	0.287	0.276	0.285	6.87

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25)	T	Bis(2-chloroet...	0.318	0.369	0.370	0.371	0.409	0.420	0.422	0.406	0.382	0.368	0.384	8.24
26)	T	Benzoic acid					0.069	0.141	0.159	0.192	0.217	0.222	0.167	34.43
27)	T	2,4-Dichloroph...		0.186	0.215	0.215	0.253	0.283	0.290	0.281	0.262	0.250	0.248	14.46
28)	T	1,2,4-Trichlor...	0.331	0.318	0.332	0.337	0.331	0.318	0.316	0.292	0.272	0.261	0.311	8.61
29)	T	Naphthalene	1.108	1.144	1.142	1.162	1.147	1.086	1.057	0.945	0.856	0.807	1.045	12.42
30)	T	4-Chloroaniline	0.196	0.225	0.275	0.286	0.313	0.358	0.363	0.365	0.337	0.301	0.302	19.24
31)	T	Hexachlorobuta...	0.215	0.180	0.180	0.190	0.183	0.170	0.168	0.156	0.148	0.142	0.173	12.38
32)	T	4-Chloro-3-met...			0.234	0.252	0.294	0.318	0.324	0.317	0.308	0.300	0.293	11.22
33)	T	2-Methylnaphth...	0.530	0.697	0.708	0.726	0.795	0.782	0.762	0.688			0.711	11.71
34)	T	1-Methylnaphth...	0.569	0.705	0.719	0.751	0.748	0.721	0.696	0.625	0.568	0.537	0.664	12.26
35)	I	Acenaphthene-d10 (...	----------ISTD----------											2.21
36)	T	Hexachlorocycl...		0.220	0.238	0.288	0.320	0.347	0.340	0.314	0.310	0.296	0.297	14.53
37)	T	2,4,6-Trichlor...		0.235	0.300	0.333	0.383	0.396	0.423	0.390	0.377	0.362	0.355	16.27
38)	T	2,4,5-Trichlor...		0.257	0.299	0.337	0.360	0.388	0.405	0.385	0.365	0.351	0.350	13.40
39)	T	1,1'-Biphenyl	1.423	1.681	1.836	1.862	1.915	1.824	1.732	1.509	1.349		1.681	12.28
40)	S	2-Fluorobiphen...		1.559	1.631	1.723	1.758	1.631	1.549	1.362	1.235	1.151	1.511	14.15
41)	T	2-Chloronaphth...	0.995	1.209	1.294	1.327	1.387	1.344	1.283	1.138	1.038		1.224	11.36
42)	T	2-Nitroaniline			0.319	0.360	0.406	0.431	0.454	0.429	0.420	0.425	0.405	10.94
43)	T	2,6-Dimethylna...	1.111	1.361	1.348	1.393	1.421	1.342	1.304	1.129	1.025	0.956	1.239	13.54
44)	T	1,4-Dinitroben...		0.086	0.115	0.135	0.165	0.191	0.210	0.213	0.215	0.214	0.171	28.52
45)	T	Dimethyl phtha...	1.632	1.568	1.589	1.623	1.625	1.546	1.501	1.337	1.254	1.194	1.487	11.03
46)	T	1,3-Dinitroben...			0.151	0.189	0.209	0.228	0.236	0.235	0.233	0.231	0.214	14.16
47)	T	2,6-Dinitrotol...		0.272	0.290	0.319	0.360	0.352	0.352	0.334	0.322	0.305	0.323	9.32
48)	T	1,2-Dinitroben...		0.123	0.143	0.152	0.158	0.164	0.168	0.163	0.158	0.147	0.153	9.12
49)	T	Acenaphthylene	1.952	2.206	2.207	2.277	2.326	2.159	2.102	1.820	1.628	1.454	2.013	14.57
50)	T	3-Nitroaniline	0.194	0.215	0.269	0.283	0.296	0.295	0.236	0.140			0.241	22.98
51)	T	Acenaphthene	1.479	1.469	1.488	1.473	1.448	1.364	1.300	1.131	1.042	0.984	1.318	14.83
52)	T	2,4-Dinitrophenol				0.029	0.049	0.089	0.111	0.128	0.146	0.152	0.100	47.08
53)	T	4-Nitrophenol			0.093	0.134	0.169	0.228	0.246	0.253	0.266	0.263	0.207	32.01
54)	T	2,4-Dinitrotol...			0.296	0.381	0.433	0.444	0.464	0.451	0.434	0.405	0.414	13.14
55)	T	Dibenzofuran	1.946	2.056	2.022	2.048	1.986	1.911	1.856	1.627	1.471	1.351	1.827	13.90
56)	T	2,3,5,6-Tetrac...		0.150	0.210	0.260	0.269	0.305	0.314	0.301	0.298	0.290	0.266	20.33
57)	T	2,3,4,6-Tetrac...	0.176	0.184	0.218	0.273	0.284	0.310	0.313	0.302	0.296	0.286	0.264	19.64
58)	T	Diethyl phthalate	1.561	1.500	1.570	1.636	1.606	1.501	1.429	1.199	1.083		1.454	13.07
59)	T	2,3,5-Trimethy...	1.309	1.308	1.293	1.315	1.335	1.229	1.175	0.973	0.891		1.203	13.52

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60)	T	Fluorene	1.626	1.541	1.591	1.626	1.592	1.489	1.417	1.211	1.108	1.467	12.85
61)	T	4-Chlorophenyl...	0.751	0.724	0.728	0.774	0.755	0.712	0.678	0.593	0.559	0.532	0.680	12.85
62)	T	4-Nitroaniline		0.180	0.198	0.246	0.211	0.223	0.201	0.180	0.202	0.198	0.204	10.14
63)	T	4,6-Dinitro-2-...			0.055	0.091	0.120	0.167	0.179	0.192	0.206	0.205	0.152	37.35
														2.96
64)	I	Phenanthrene-d10 (...	----------ISTD----------											
65)	T	N-Nitrosodiphe...	0.650	0.692	0.719	0.726	0.727	0.683	0.660	0.558	0.474	0.654	13.12
66)	T	Azobenzene (1,...	0.746	0.800	0.850	0.889	0.878	0.838	0.799	0.712	0.642	0.594	0.775	12.88
67)	S	2,4,6-Tribromo...		0.077	0.086	0.098	0.102	0.109	0.111	0.108	0.103	0.101	0.099	11.30
68)	T	4-Bromophenyl ...	0.239	0.232	0.233	0.238	0.236	0.231	0.225	0.210	0.198	0.191	0.223	7.76
69)	T	Hexachlorobenzene	0.261	0.289	0.267	0.276	0.268	0.246	0.243	0.218	0.204	0.195	0.247	12.95
70)	T	Pentachlorophe...		0.036	0.059	0.083	0.100	0.122	0.126	0.129	0.128	0.127	0.101	34.37
71)	T	Phenanthrene	1.301	1.326	1.298	1.293	1.249	1.199	1.126	0.996	0.913	1.189	12.44
72)	T	Anthracene	1.222	1.210	1.242	1.281	1.244	1.205	1.135	1.006	0.908	0.835	1.129	13.86
73)	T	Carbazole	0.874	0.910	0.962	1.032	0.990	0.877	0.642				0.898	14.17
74)	T	Di-n-butyl pht...	1.276	1.285	1.321	1.427	1.461	1.434	1.360	1.203	1.088	1.317	9.17
75)	T	Fluoranthene	1.247	1.182	1.254	1.306	1.338	1.271	1.229	1.094	1.004	0.926	1.185	11.40
76)	T	Benzidine			0.191	0.240	0.252	0.334	0.306	0.341	0.335	0.317	0.290	19.07
77)	T	Pyrene	1.271	1.300	1.313	1.350	1.357	1.291	1.236	1.111	1.032	0.941	1.220	11.71
														7.63
78)	I	Chrysene-d12 (ISTD)	----------ISTD----------											
79)	S	Terphenyl-d14 ...	0.973	1.057	1.116	1.171	1.185	1.130	1.121	1.083	1.030	1.010	1.087	6.42
80)	T	Butyl benzyl p...		0.461	0.504	0.572	0.624	0.657	0.681	0.690	0.686	0.692	0.619	14.05
81)	T	Bis(2-ethylhex...			0.481	0.545	0.596	0.642	0.640	0.662	0.629	0.634	0.604	10.12
82)	T	3,3-Dichlorobe...			0.310	0.289	0.211	0.180	0.155	0.133	0.106	0.198	39.19
83)	T	Benz(a)anthracene	1.344	1.267	1.290	1.280	1.250	1.225	1.223	1.199	1.142	1.139	1.236	5.22
84)	T	Chrysene	1.119	1.240	1.192	1.199	1.205	1.201	1.129	1.124	1.073	1.041	1.152	5.63
85)	T	Bis(2-ethylhex...			0.692	0.818	0.868	0.914	0.898	0.913	0.874	0.862	0.855	8.52
														7.95
86)	I	Perylene-d12 (ISTD)	----------ISTD----------											
87)	T	Di-n-octyl pht...		0.773	0.994	1.274	1.540	1.717	1.781	1.783	1.703	1.598	1.462	25.15
88)	T	Benzo(b)fluora...	1.128	1.169	1.197	1.226	1.302	1.259	1.302	1.262	1.229	1.227	1.230	4.51
89)	T	Benzo(k)fluora...	0.978	1.079	1.146	1.245	1.287	1.293	1.250	1.178		1.182	9.35
90)	T	Benzo(b+k)fluo...	1.109	1.162	1.211	1.269	1.318	1.298	1.297	1.238	1.181	1.139	1.222	5.98
91)	T	Benzo(e)pyrene	1.177	1.146	1.177	1.212	1.257	1.265	1.253	1.192	1.139	1.095	1.191	4.71
92)	T	Benzo(a)pyrene	0.931	0.928	1.041	1.120	1.174	1.198	1.190	1.132	1.086	1.041	1.084	9.10

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93)	T	Perylene	0.982	1.009	1.050	1.050	1.066	1.038	1.037	0.978	0.937	0.907	1.005	5.29
94)	I	Dibenz(a,h)Anthrce...	----------ISTD----------											7.65
95)	T	Indeno(1,2,3-c...	1.303	1.177	1.178	1.150	1.167	1.148	1.166	1.154	1.195	1.171	1.181	3.83
96)	T	Dibenz(a,h)ant...	1.036	1.048	1.105	1.101	1.147	1.128	1.124	1.083	1.062	1.023	1.086	3.90
97)	T	Benzo(g,h,i)pe...	1.029	1.143	1.164	1.218	1.262	1.208	1.244	1.162	1.145	1.112	1.169	5.87

(#) = Out of Range

Compound List Report SV-GCMS10

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Method File : SV10_032421.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Thu Mar 25 13:11:22 2021
Response Via : Initial Calibration

JK 3/25/21

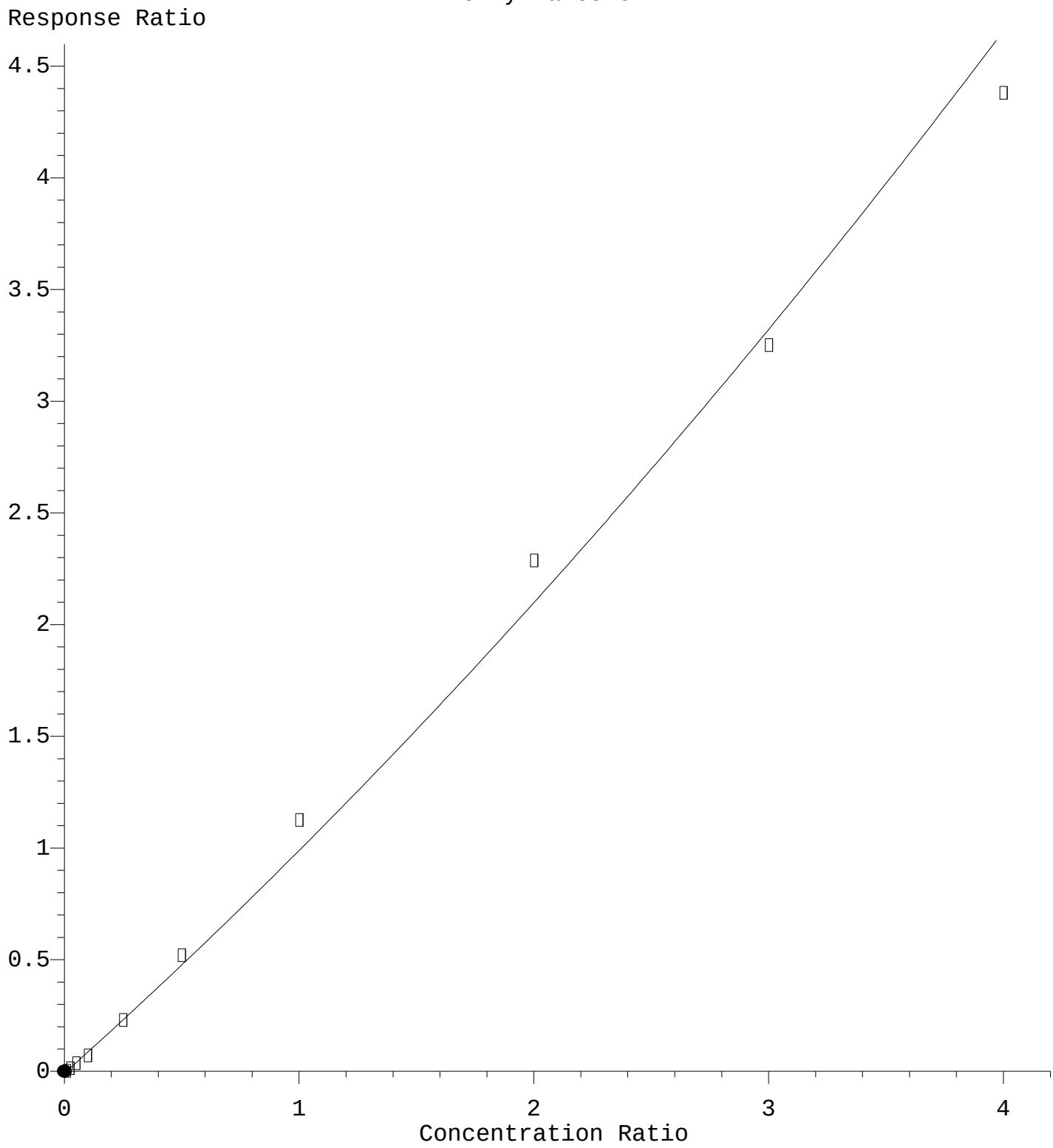
Total Cpnds : 97

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4 (ISTD)	152	6.776	1.000	A	2	A	R
2	T	N-Nitrosodimethylamine	74	4.081	0.602	A	2	A	A
3	T	Pyridine	79	4.107	0.606	A	2	A	A
4	S	2-Fluorophenol (Surr)	112	5.493	0.811	A	1	A	R
5	S	Phenol-d6(Surr)	99	6.401	0.945	A	2	A	R
6	T	Phenol	94	6.412	0.946	A	2	A	R
7	T	Aniline	93	6.450	0.952	A	2	A	R
8	T	Bis(2-chloroethyl) ether	93	6.504	0.960	A	2	A	R
9	T	2-Chlorophenol	128	6.568	0.969	A	2	A	R
10	T	1,3-Dichlorobenzene	146	6.723	0.992	A	2	A	R
11	T	1,4-Dichlorobenzene	146	6.792	1.002	A	2	A	R
12	T	Benzyl alcohol	108	6.904	1.019	Q 2	2	A	R
13	T	1,2-Dichlorobenzene	146	6.948	1.025	A	2	A	R
14	T	2-Methylphenol	107	7.006	1.034	A	2	A	R
15	T	2,2'-Oxybis(1-Chloropropane)	45	7.038	1.039	A	2	A	R
16	T	N-Nitrosodi-n-propylamine	70	7.167	1.058	A	2	A	R
17	T	3+4-Methylphenol	107	7.161	1.057	A	3	A	R
18	T	Hexachloroethane	201	7.285	1.075	A	2	A	R
19	S	Nitrobenzene-d5 (Surr)	82	7.321	1.080	A	2	A	R
20	T	Nitrobenzene	77	7.337	1.083	A	2	A	R
21	I	Naphthalene-d8 (ISTD)	136	8.049	1.000	A	1	A	R
22	T	Isophorone	82	7.573	0.941	A	2	A	R
23	T	2-Nitrophenol	139	7.658	0.951	A	2	A	R
24	T	2,4-Dimethylphenol	122	7.691	0.955	A	2	A	R
25	T	Bis(2-chloroethoxy) methane	93	7.782	0.967	A	2	A	R
26	T	Benzoic acid	105	7.781	0.967	Q 2	2	A	R
27	T	2,4-Dichlorophenol	162	7.899	0.981	A	2	A	R
28	T	1,2,4-Trichlorobenzene	180	7.991	0.993	A	2	A	R
29	T	Naphthalene	128	8.071	1.003	A	1	A	R
30	T	4-Chloroaniline	127	8.113	1.008	Q 2	2	A	R
31	T	Hexachlorobutadiene	225	8.199	1.019	A	2	A	R
32	T	4-Chloro-3-methylphenol	107	8.594	1.068	A	2	A	R
33	T	2-Methylnaphthalene	142	8.766	1.089	A	2	A	R
34	T	1-Methylnaphthalene	142	8.873	1.102	A	2	A	R
35	I	Acenaphthene-d10 (ISTD)	162	9.836	1.000	A	2	A	R
36	T	Hexachlorocyclopentadiene	237	8.937	0.909	A	2	A	R
37	T	2,4,6-Trichlorophenol	196	9.049	0.920	Q 2	2	A	R
38	T	2,4,5-Trichlorophenol	198	9.086	0.924	Q 2	2	A	R
39	T	1,1'-Biphenyl	154	9.236	0.939	A	2	A	R
40	S	2-Fluorobiphenyl (Surr)	172	9.135	0.929	A	2	A	R
41	T	2-Chloronaphthalene	162	9.263	0.942	A	2	A	R
42	T	2-Nitroaniline	138	9.359	0.952	A	2	A	R
43	T	2,6-Dimethylnaphthalene	156	9.403	0.956	A	2	A	R
44	T	1,4-Dinitrobenzene	168	9.482	0.964	Q 2	2	A	R
45	T	Dimethyl phthalate	163	9.542	0.970	A	2	A	R
46	T	1,3-Dinitrobenzene	168	9.568	0.973	A	2	A	R
47	T	2,6-Dinitrotoluene	165	9.600	0.976	A	2	A	R
48	T	1,2-Dinitrobenzene	168	9.659	0.982	A	2	A	R
49	T	Acenaphthylene	152	9.691	0.985	A	2	A	R
50	T	3-Nitroaniline	138	9.771	0.993	Q 1	2	A	R
51	T	Acenaphthene	153	9.868	1.003	A	2	A	R
52	T	2,4-Dinitrophenol	184	9.878	1.004	Q 2	2	A	R
53	T	4-Nitrophenol	139	9.932	1.010	Q 2	2	A	R

54	T	2,4-Dinitrotoluene	165	10.012	1.018	A		2	A	R
55	T	Dibenzofuran	168	10.039	1.021	A		2	A	R
56	T	2,3,5,6-Tetrachlorophenol	232	10.119	1.029	Q	2	2	A	R
57	T	2,3,4,6-Tetrachlorophenol	232	10.162	1.033	Q	2	2	A	R
58	T	Diethyl phthalate	149	10.252	1.042	A		2	A	R
59	T	2,3,5-Trimethylnaphthalene	170	10.252	1.042	A		2	A	R
60	T	Fluorene	166	10.392	1.057	A		2	A	R
61	T	4-Chlorophenyl phenyl ether	204	10.381	1.055	A		2	A	R
62	T	4-Nitroaniline	138	10.397	1.057	A		2	A	R
63	T	4,6-Dinitro-2-methylphenol	198	10.429	1.060	Q	2	2	A	R
64	I	Phenanthrene-d10 (ISTD)	188	11.355	1.000	A		2	A	R
65	T	N-Nitrosodiphenylamine	169	10.499	0.925	A		2	A	R
66	T	Azobenzene (1,2-DPH)	77	10.542	0.928	A		2	A	R
67	S	2,4,6-Tribromophenol (Surr)	330	10.638	0.937	A		2	A	R
68	T	4-Bromophenyl phenyl ether	248	10.884	0.959	A		2	A	R
69	T	Hexachlorobenzene	284	10.964	0.966	A		2	A	R
70	T	Pentachlorophenol (PCP)	266	11.156	0.982	Q	2	2	A	R
71	T	Phenanthrene	178	11.376	1.002	A		2	A	R
72	T	Anthracene	178	11.430	1.007	A		2	A	R
73	T	Carbazole	167	11.584	1.020	A		2	A	R
74	T	Di-n-butyl phthalate	149	11.927	1.050	A		2	A	R
75	T	Fluoranthene	202	12.692	1.118	A		2	A	R
76	T	Benzidine	184	12.847	1.131	Q	2	2	A	R
77	T	Pyrene	202	13.002	1.145	A		2	A	R
78	I	Chrysene-d12 (ISTD)	240	15.340	1.000	A		2	A	R
79	S	Terphenyl-d14 (Surr)	244	13.216	0.862	A		2	A	R
80	T	Butyl benzyl phthalate	149	14.087	0.918	A		2	A	R
81	T	Bis(2-ethylhexyl) adipate	129	14.275	0.931	A		2	A	R
82	T	3,3-Dichlorobenzidine	252	15.270	0.995	Q	1	2	A	R
83	T	Benz(a)anthracene	228	15.307	0.998	A		2	A	R
84	T	Chrysene	228	15.393	1.003	A		2	A	R
85	T	Bis(2-ethylhexyl) phthalate	149	15.478	1.009	A		2	A	R
86	I	Perylene-d12 (ISTD)	264	18.864	1.000	A		2	A	R
87	T	Di-n-octyl phthalate	149	17.163	0.910	Q	2	2	A	R
88	T	Benzo(b)fluoranthene	252	17.934	0.951	A		2	A	R
89	T	Benzo(k)fluoranthene	252	18.003	0.954	A		2	A	R
90	T	Benzo(b+k)fluoranthene	252	18.003	0.954	A		2	A	R
91	T	Benzo(e)pyrene	252	18.592	0.986	A		2	A	R
92	T	Benzo(a)pyrene	252	18.719	0.992	A		2	A	R
93	T	Perylene	252	18.918	1.003	A		2	A	B
94	I	Dibenz(a,h)Anthrcene-d14 (I...	292	21.260	1.000	A		1	A	B
95	T	Indeno(1,2,3-cd)pyrene	276	21.260	1.000	A		1	A	R
96	T	Dibenz(a,h)anthracene	278	21.330	1.003	A		2	A	R
97	T	Benzo(g,h,i)perylene	276	21.806	1.026	A		2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

SV10_032421.M Thu Mar 25 15:22:00 2021

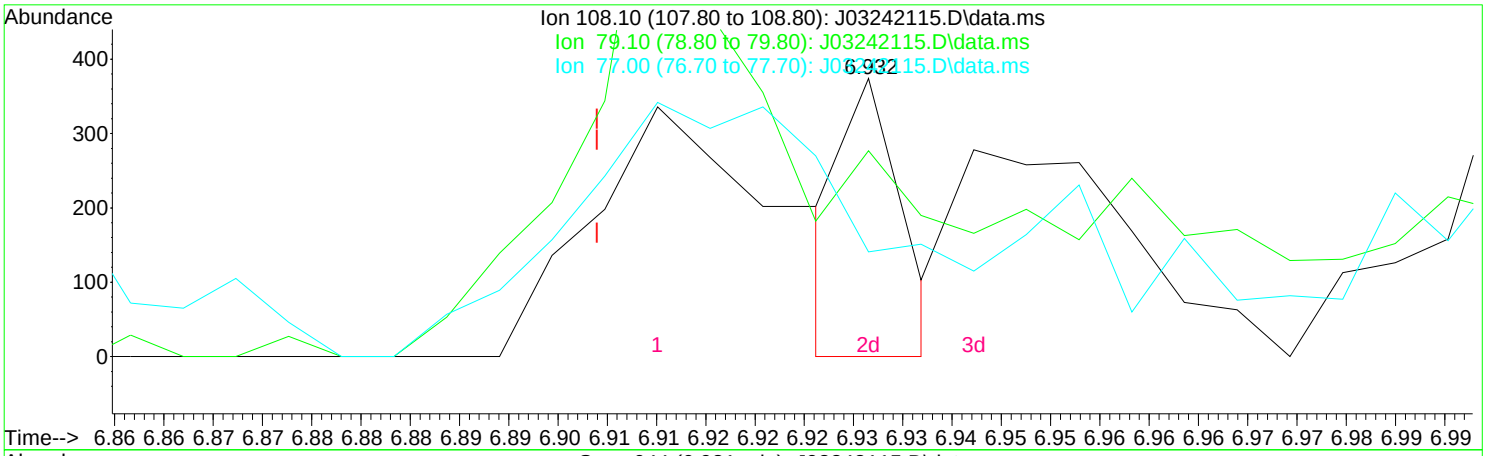


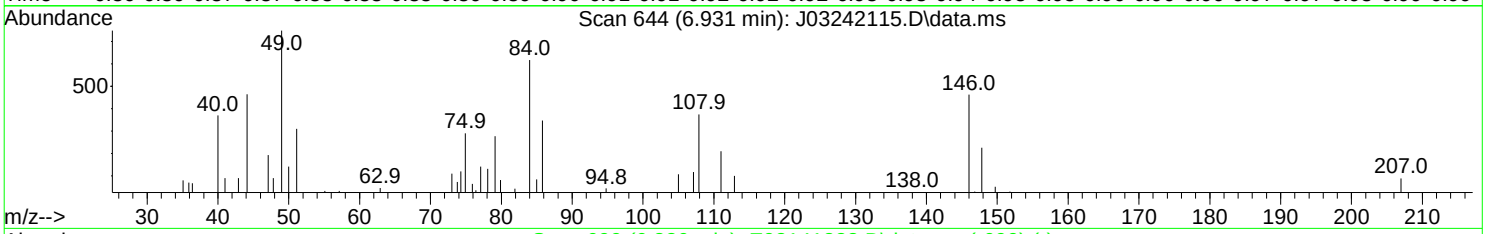
R = 5.66e-002 A*A + 9.40e-001 A - 8.25e-003
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

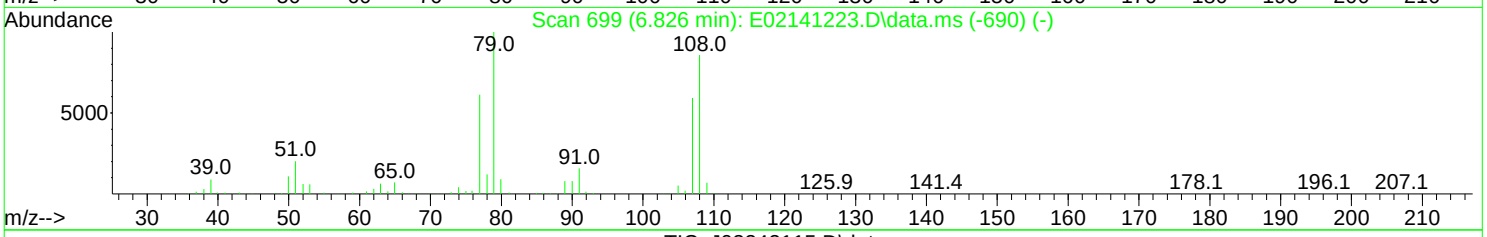
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







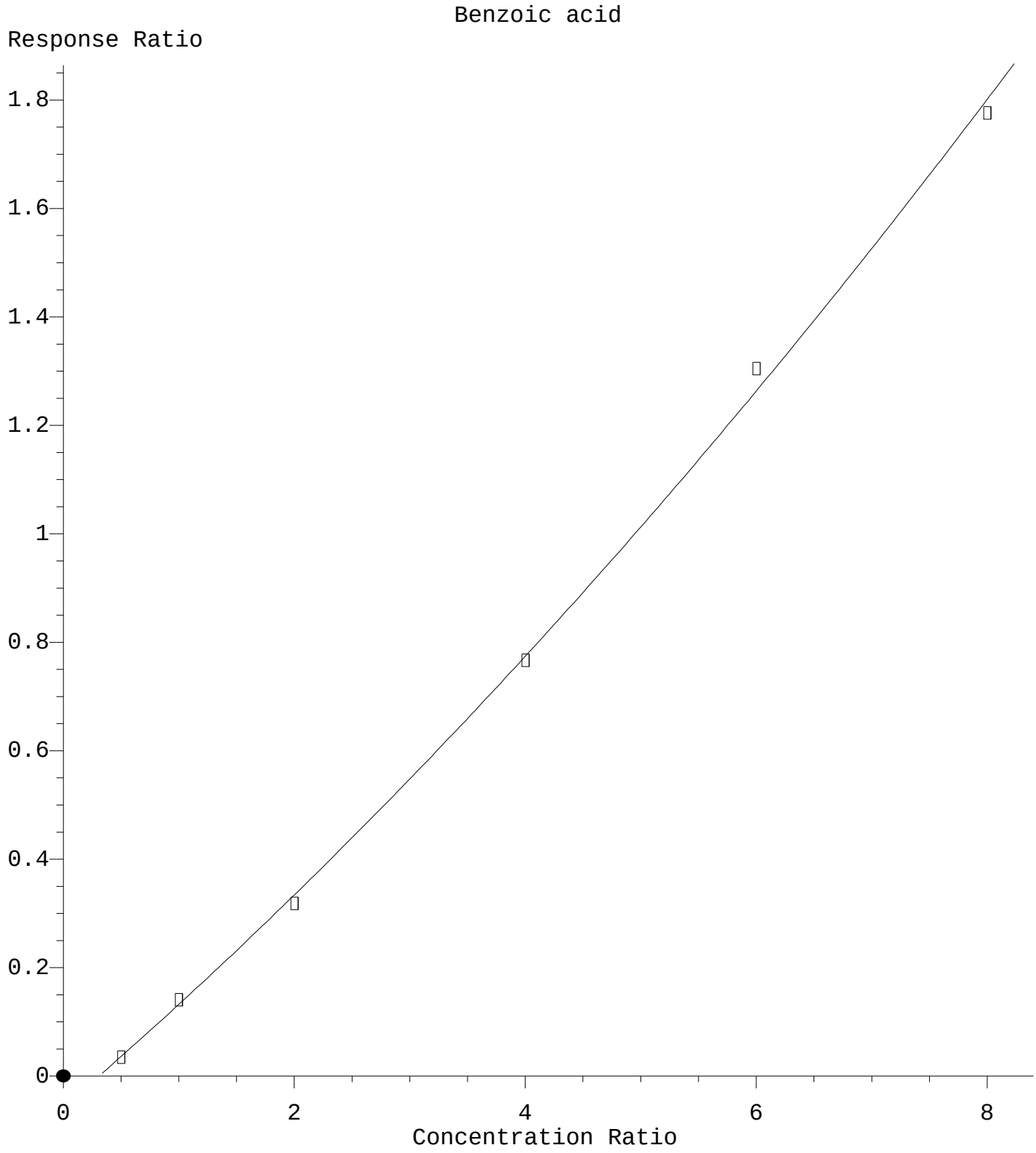
TIC: J03242115.D\data.ms

(12) Benzyl alcohol (T)

6.931min (+ 0.027) 18.99 ng/ml m

response 153

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	104.80	74.06#
77.00	64.10	37.70
0.00	0.00	0.00

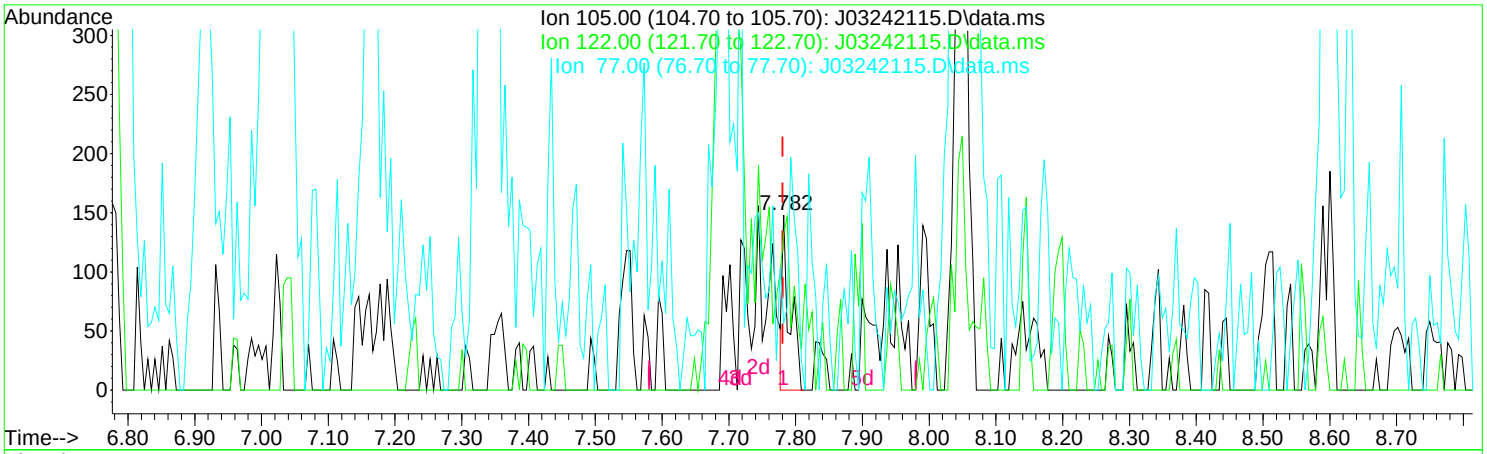


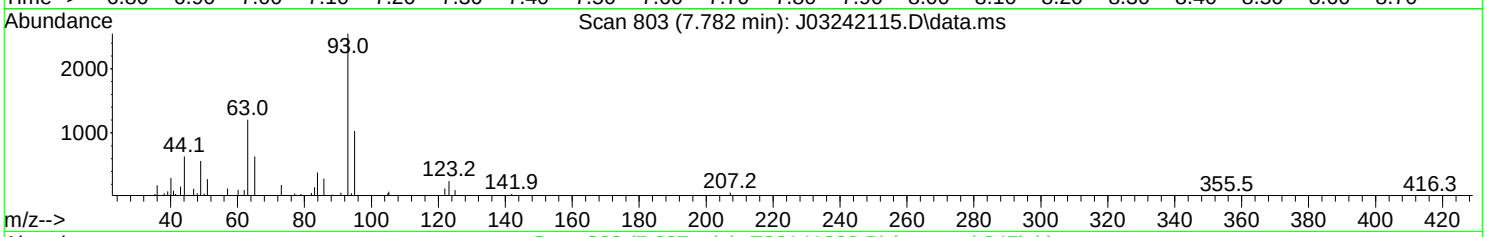
R = 6.11e-003 A*A + 1.83e-001 A - 5.74e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

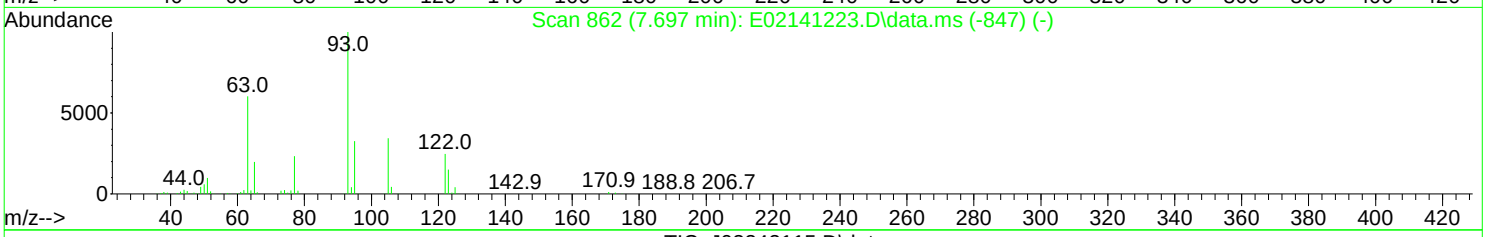
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







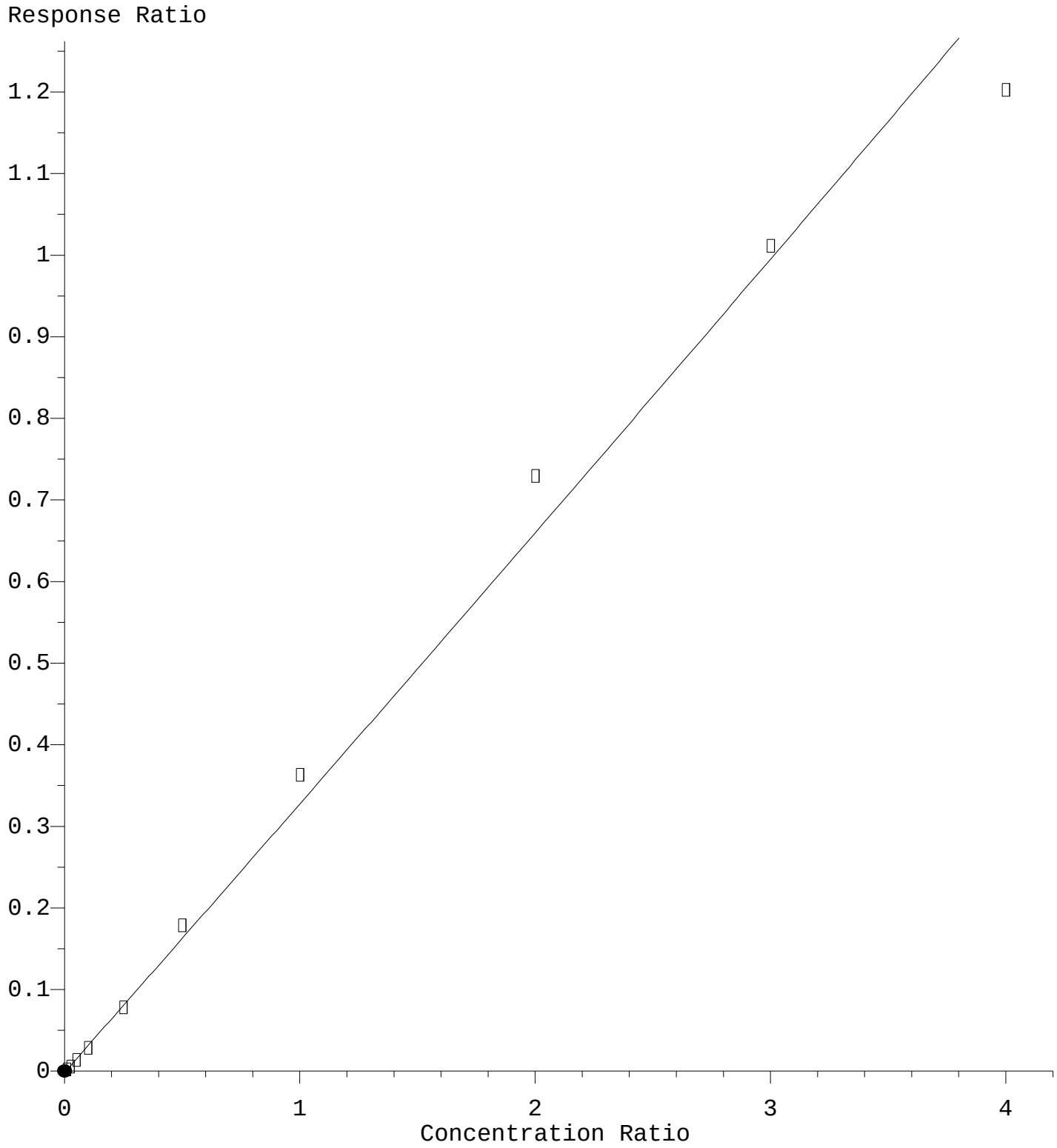
TIC: J03242115.D\data.ms

(26) Benzoic acid (T)

7.782min (+ 0.001) 620.67 ng/ml

response 117

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	89.86
77.00	61.50	38.51
0.00	0.00	0.00

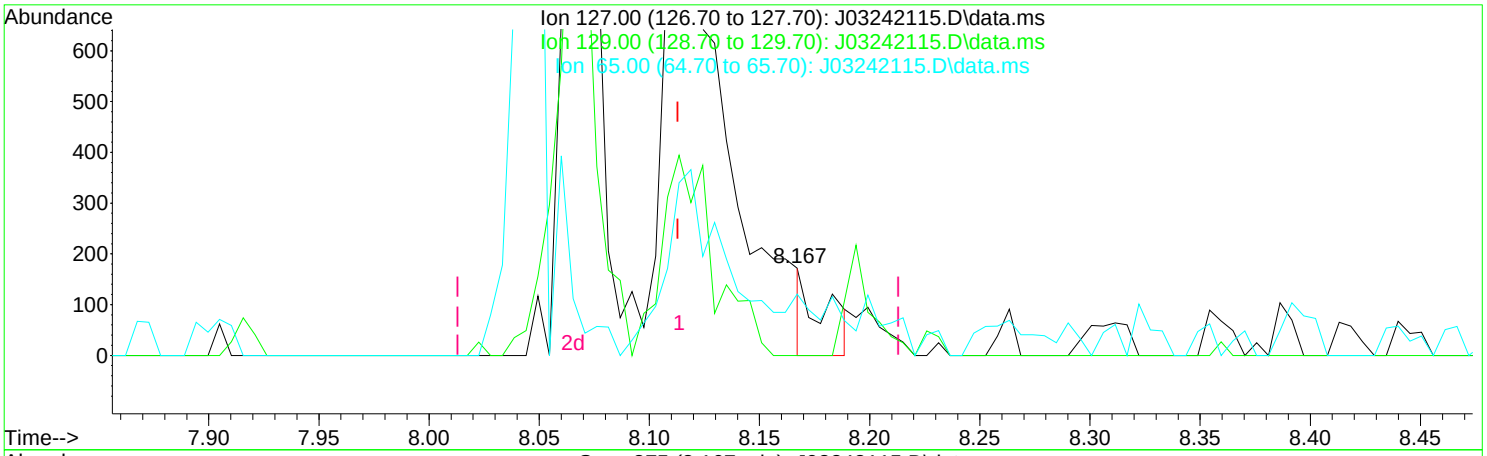


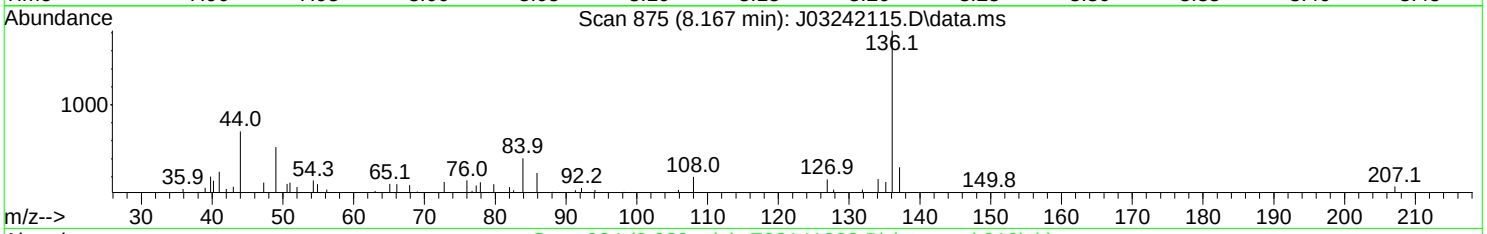
R = 1.58e-003 A*A + 3.27e-001 A - 1.54e-003
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

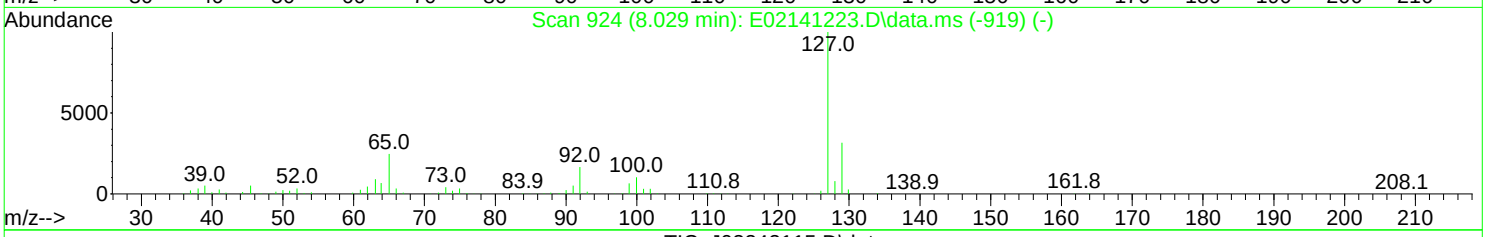
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







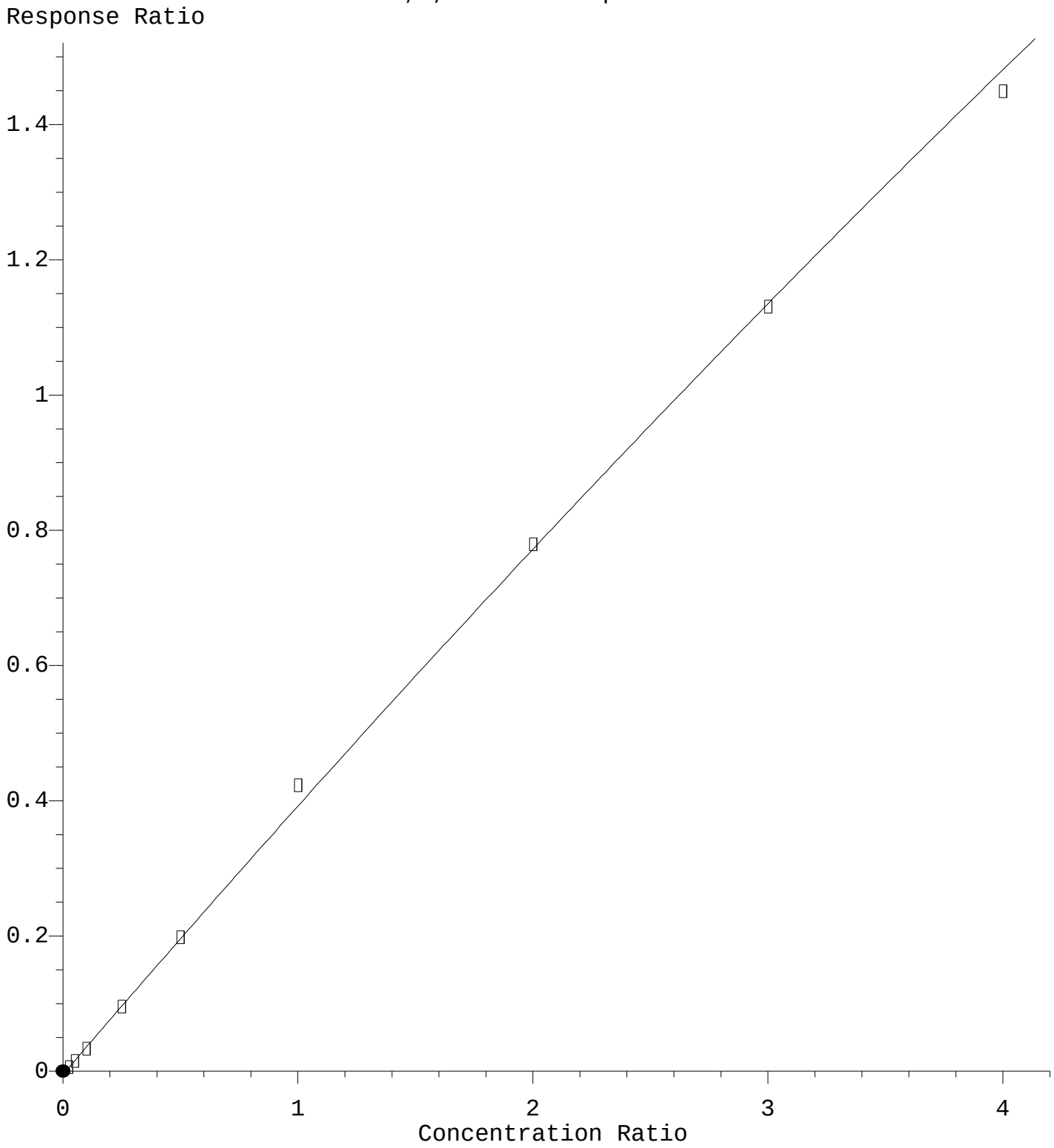
TIC: J03242115.D\data.ms

(30) 4-Chloroaniline (T)

8.167min (+ 0.054) 10.17 ng/ml m

response 112

Ion	Exp%	Act%
127.00	100.00	100.00
129.00	31.50	0.00#
65.00	19.30	70.35#
0.00	0.00	0.00

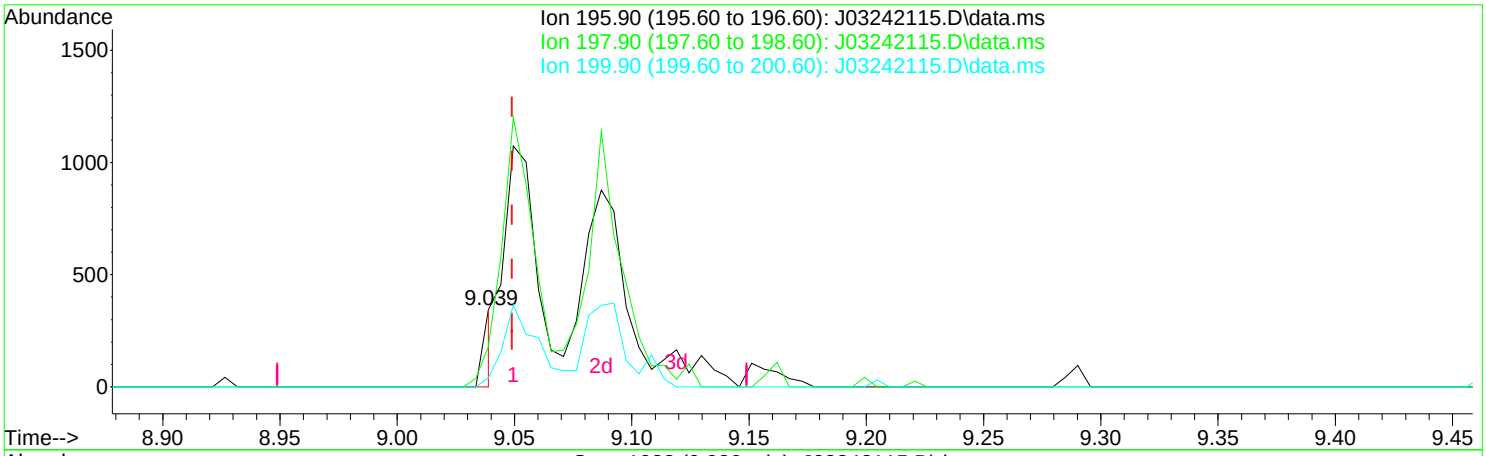


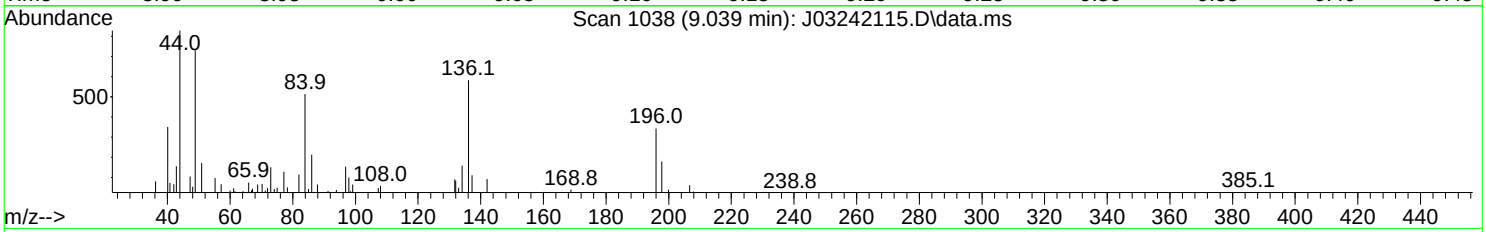
R = -8.41e-003 A*A + 4.05e-001 A - 4.56e-003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

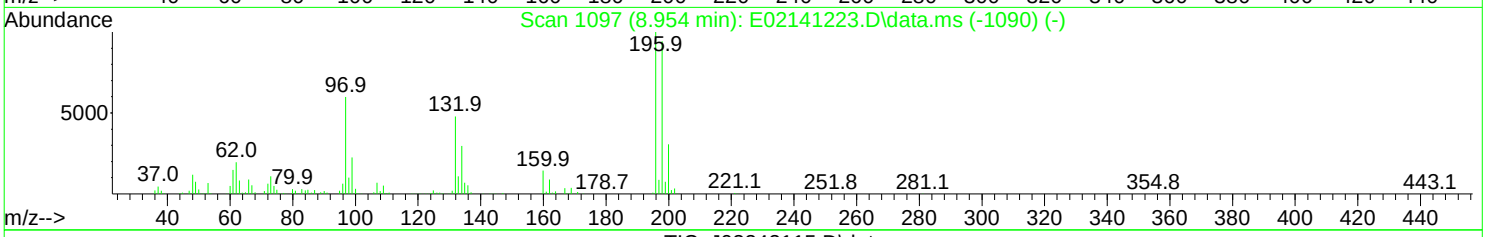
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







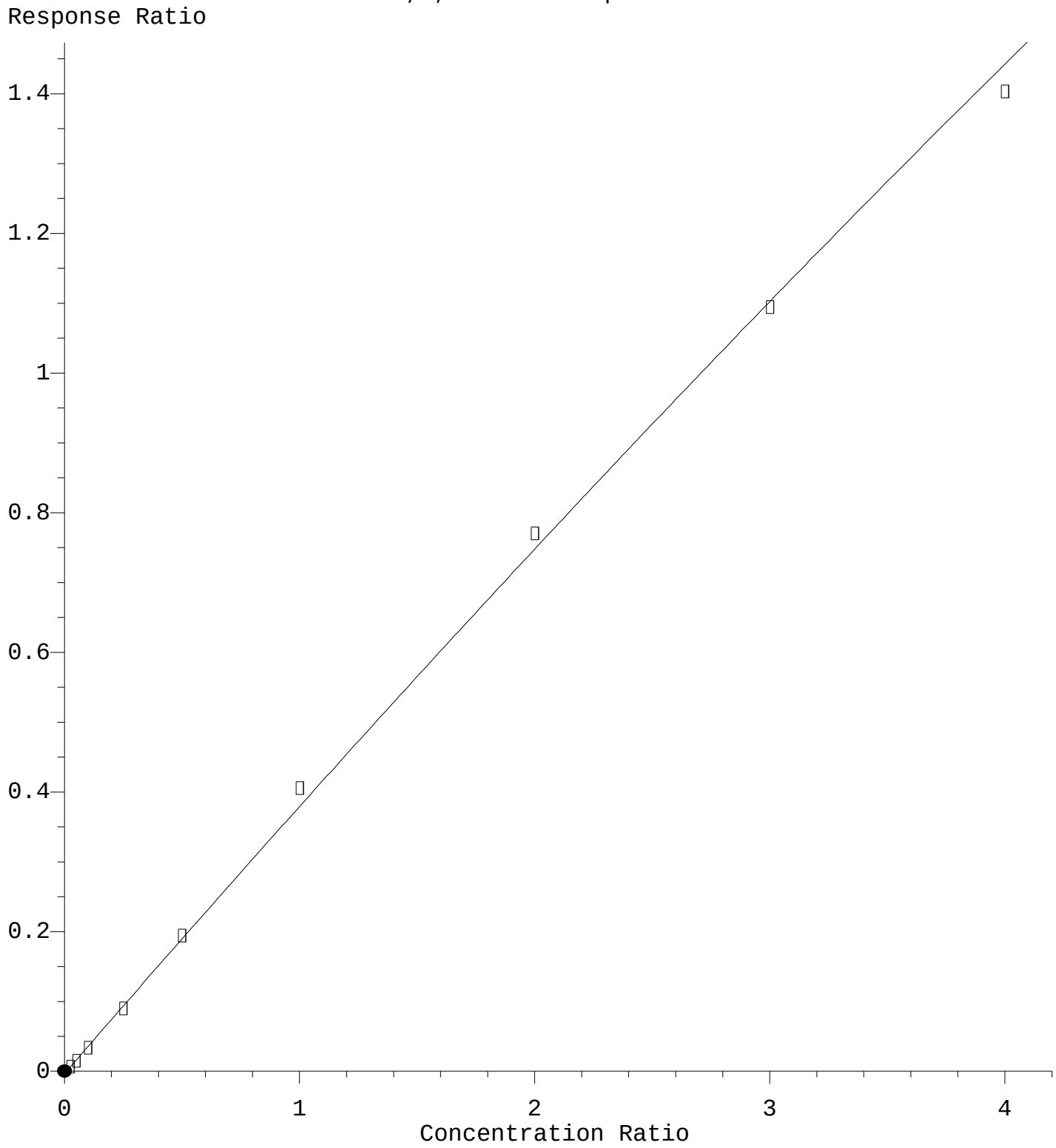
TIC: J03242115.D\data.ms

(37) 2,4,6-Trichlorophenol (T)

9.039min (-0.010) 23.63 ng/ml m

response 110

Ion	Exp%	Act%
195.90	100.00	100.00
197.90	93.90	52.19#
199.90	30.10	11.66
0.00	0.00	0.00

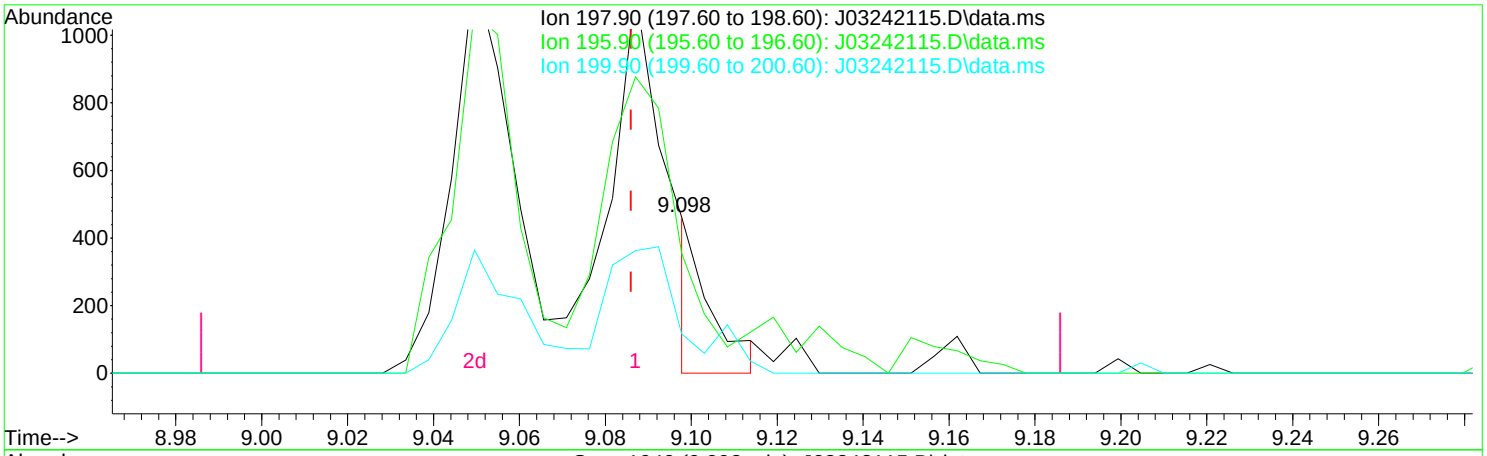


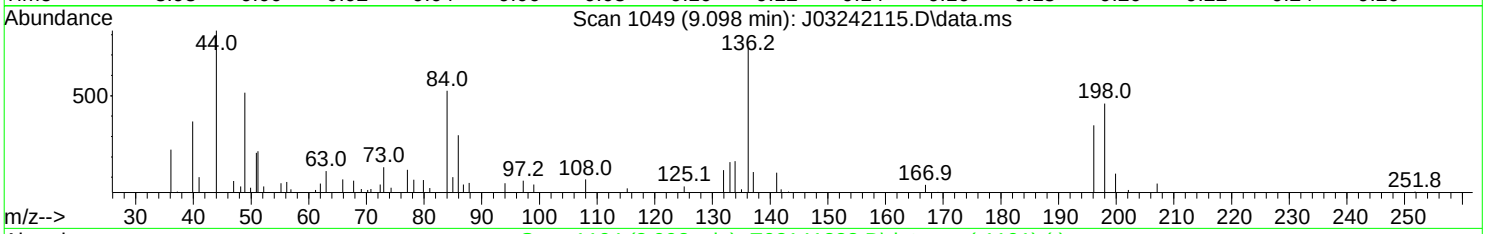
R = -7.07e-003 A*A + 3.90e-001 A - 3.65e-003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

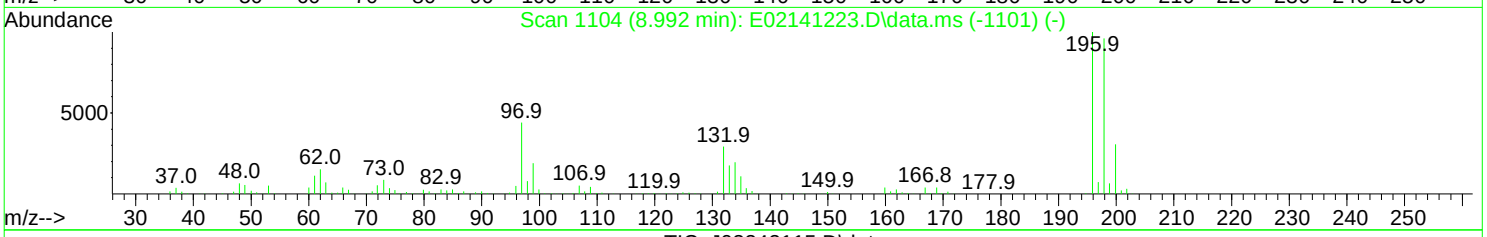
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







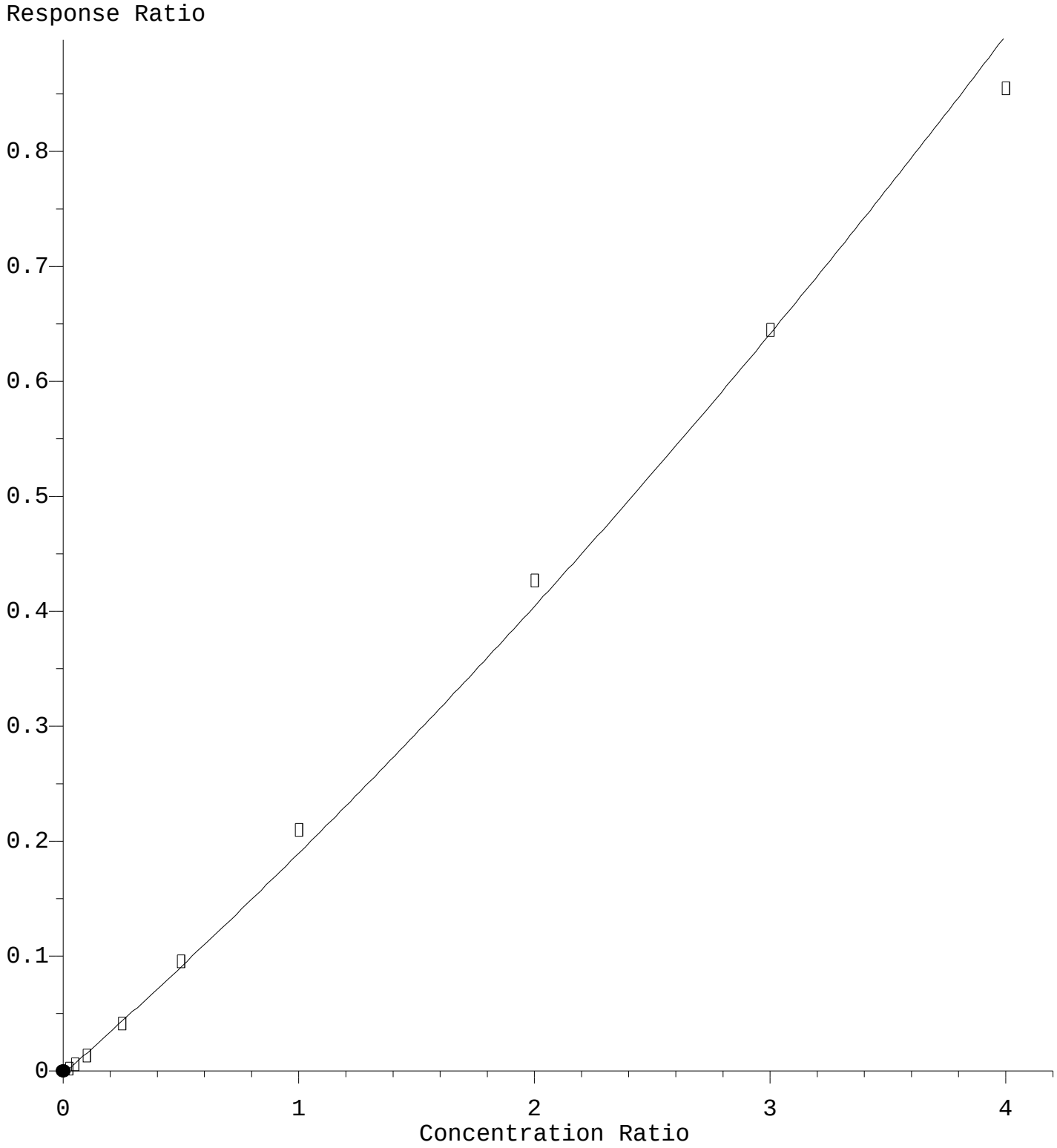
TIC: J03242115.D\data.ms

(38) 2,4,5-Trichlorophenol (T)

9.098min (+ 0.012) 20.10 ng/ml m

response 133

Ion	Exp%	Act%
197.90	100.00	100.00
195.90	100.90	76.84
199.90	30.20	25.32
0.00	0.00	0.00

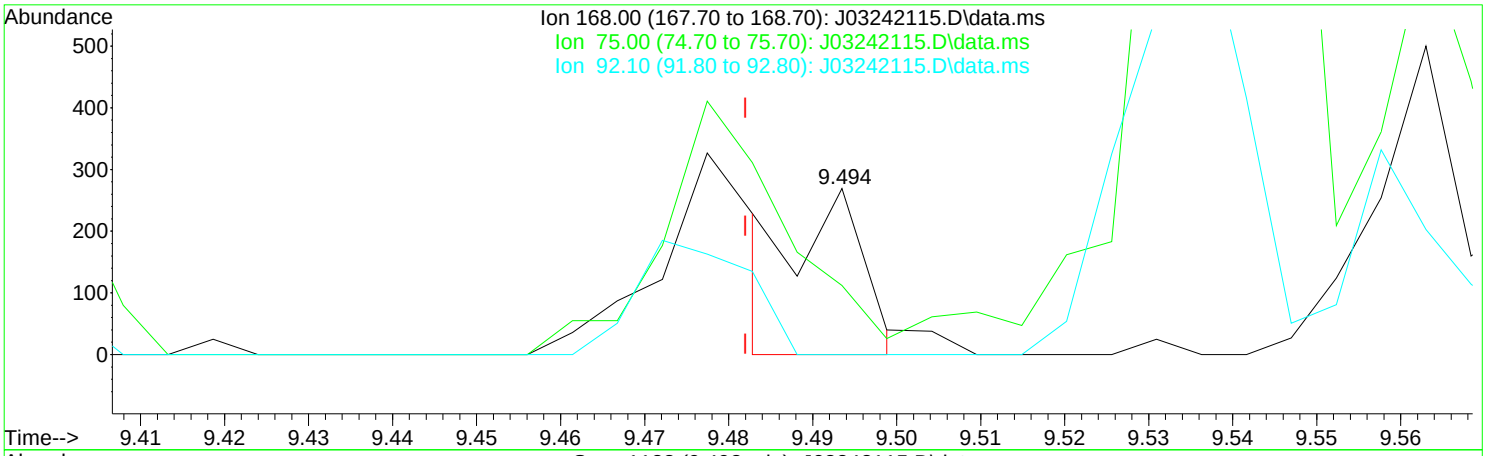


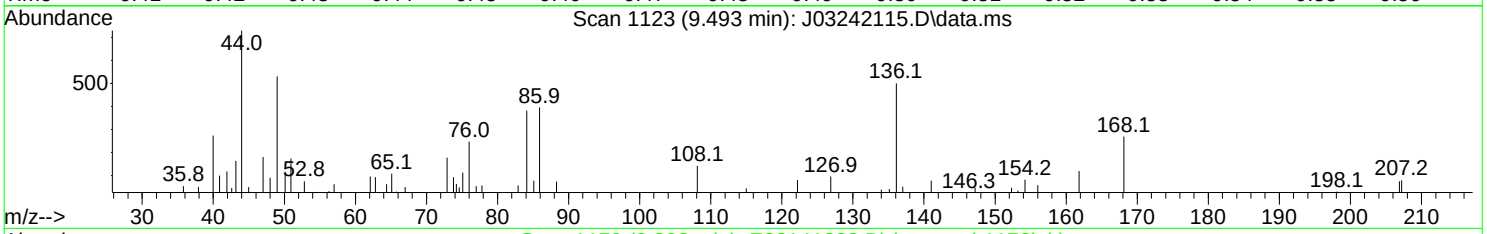
R = 1.12e-002 A*A + 1.81e-001 A - 2.67e-003
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

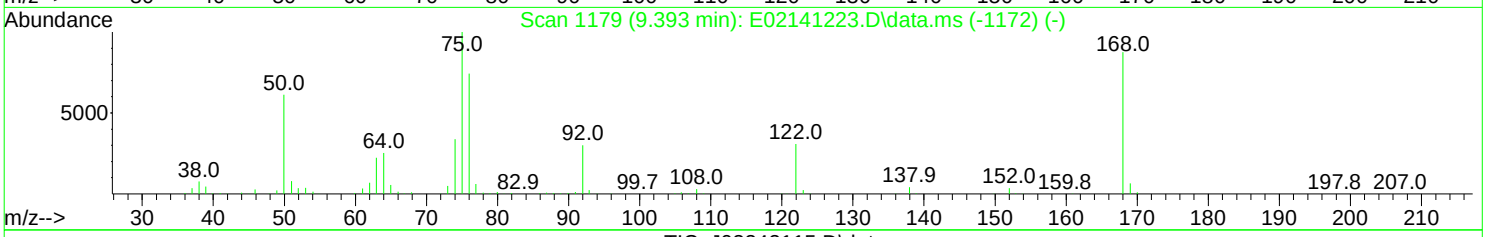
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







TIC: J03242115.D\data.ms

(44) 1,4-Dinitrobenzene (T)

9.493min (+ 0.011) 32.60 ng/ml m

response 140

Ion	Exp%	Act%
168.00	100.00	100.00
75.00	92.20	41.64#
92.10	31.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

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Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
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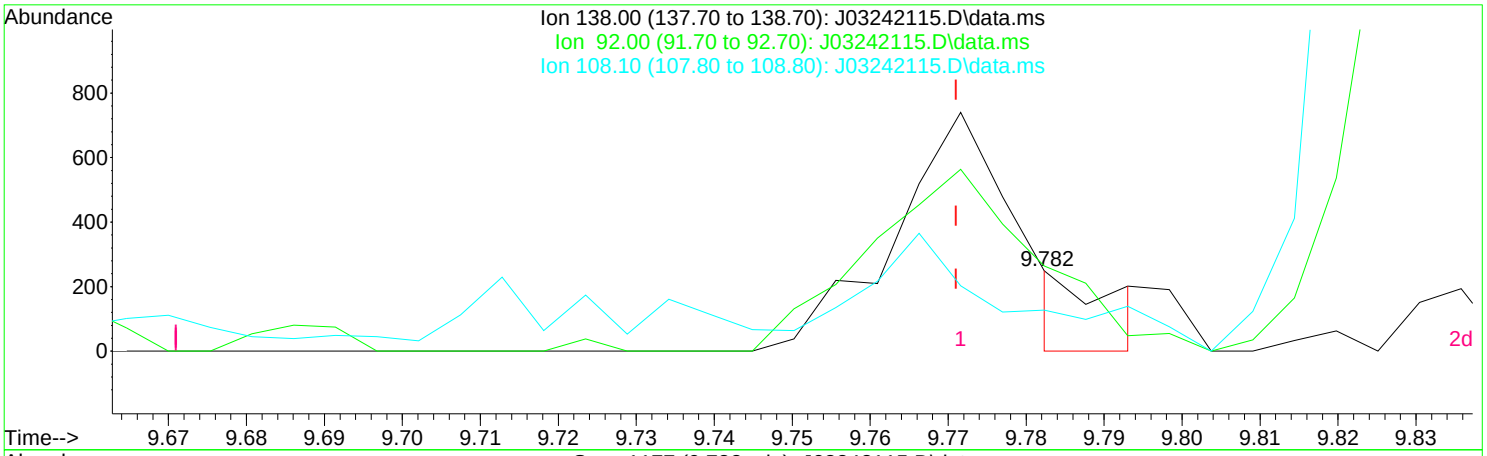
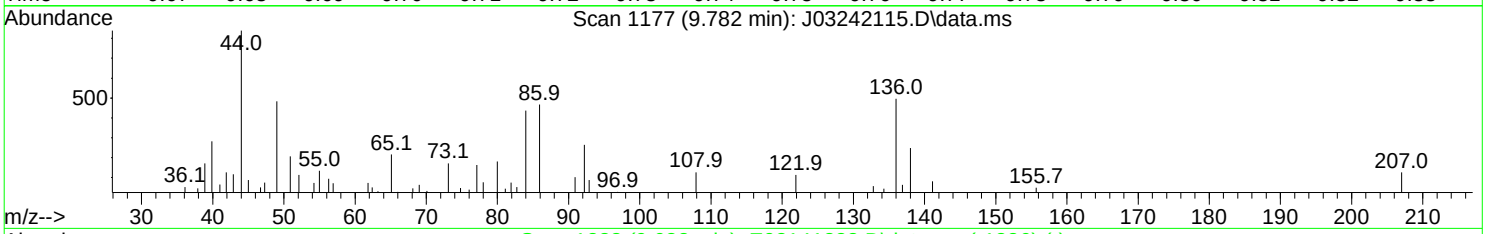
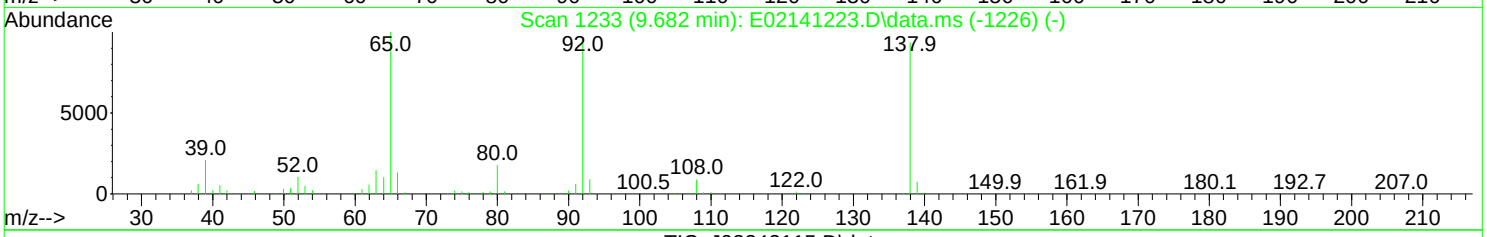






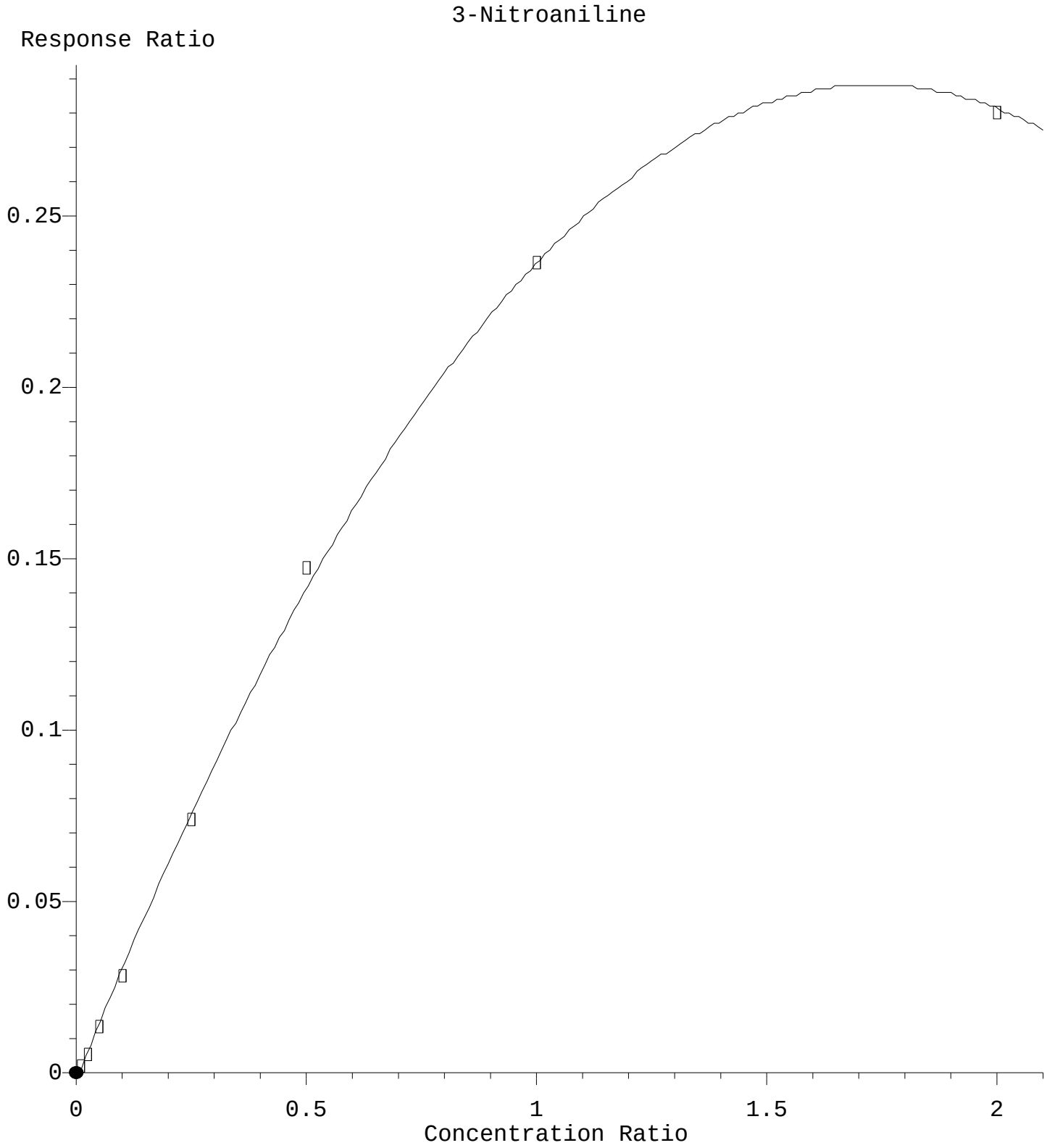
TIC: J03242115.D\data.ms

(50) 3-Nitroaniline (T)

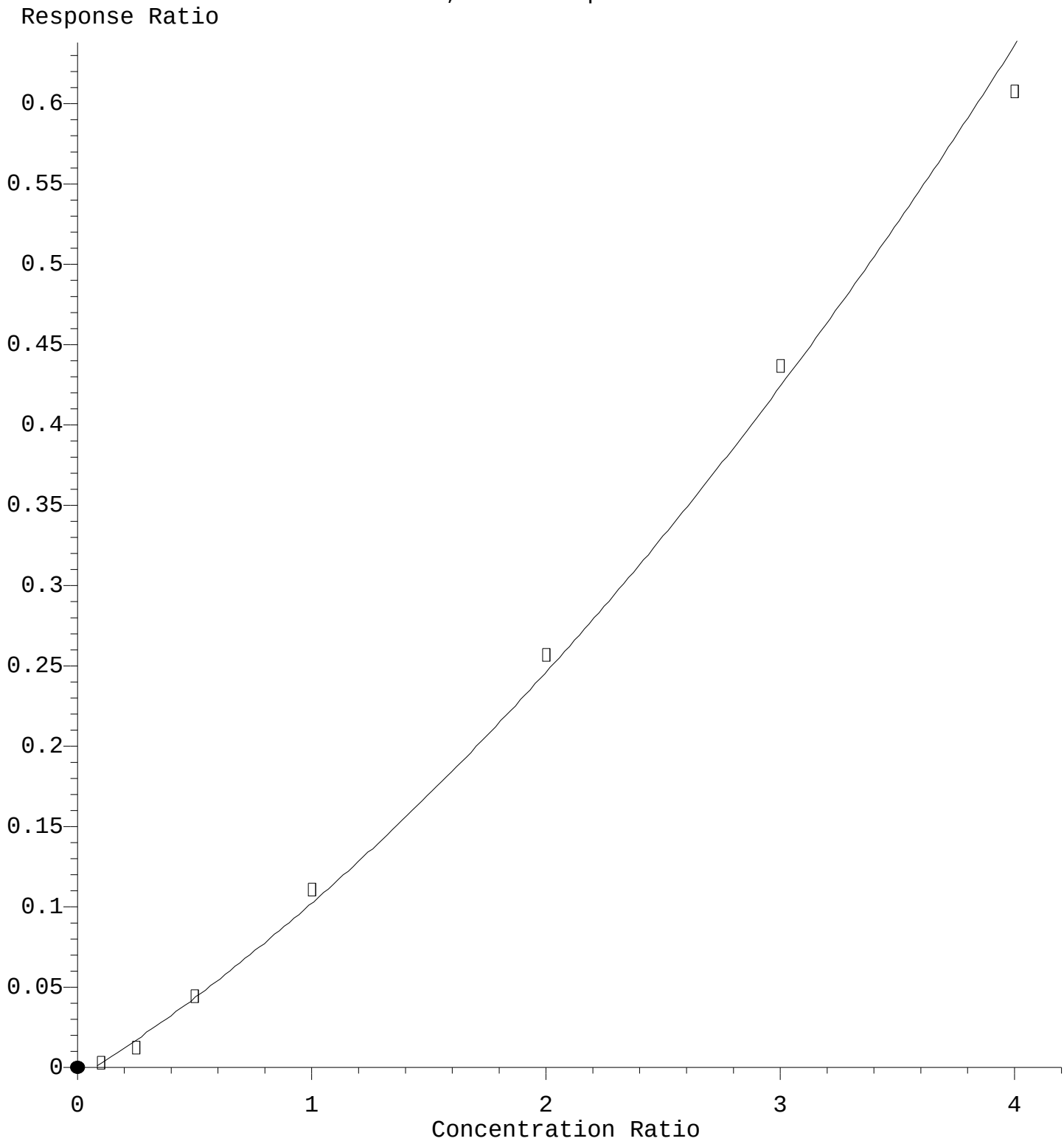
9.782min (+ 0.011) 13.85 ng/ml m

response 111

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	90.10	106.02
108.10	9.10	51.00#
0.00	0.00	0.00



R = -9.66e-002 A*A + 3.35e-001 A - 2.09e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021



R = 1.71e-002 A*A + 9.24e-002 A - 7.13e-003
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
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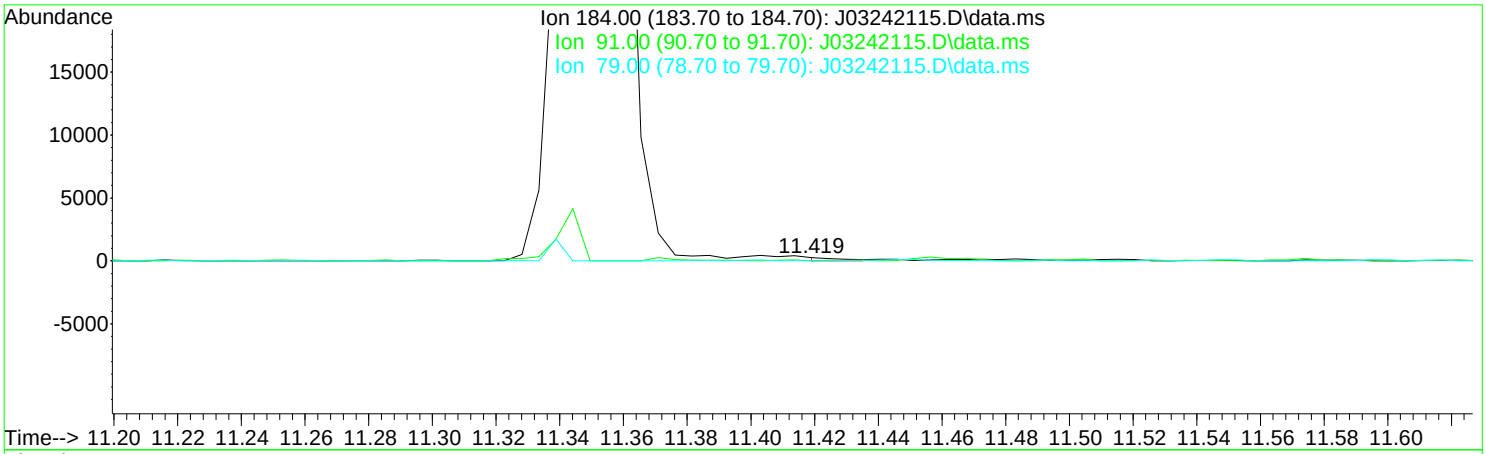
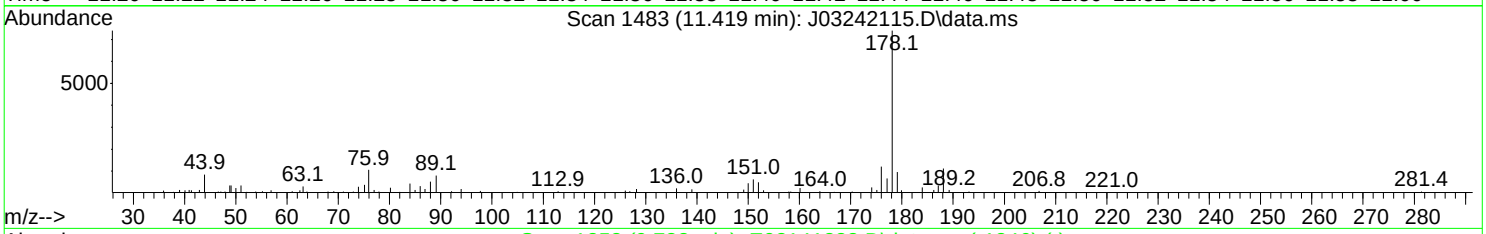
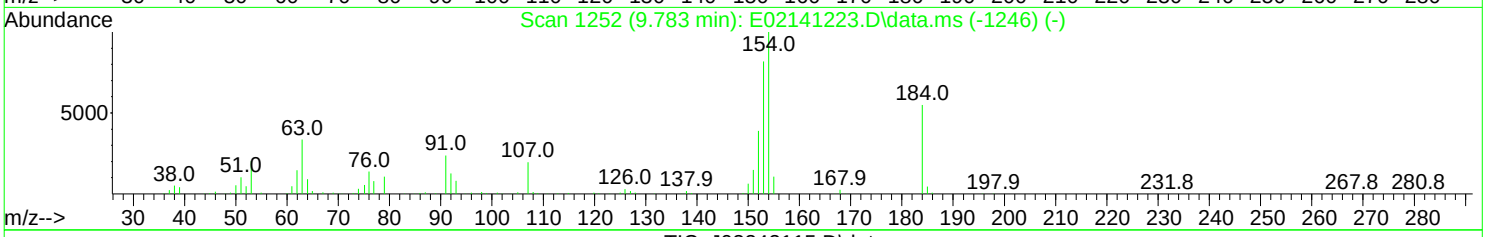
Response via : Initial Calibration







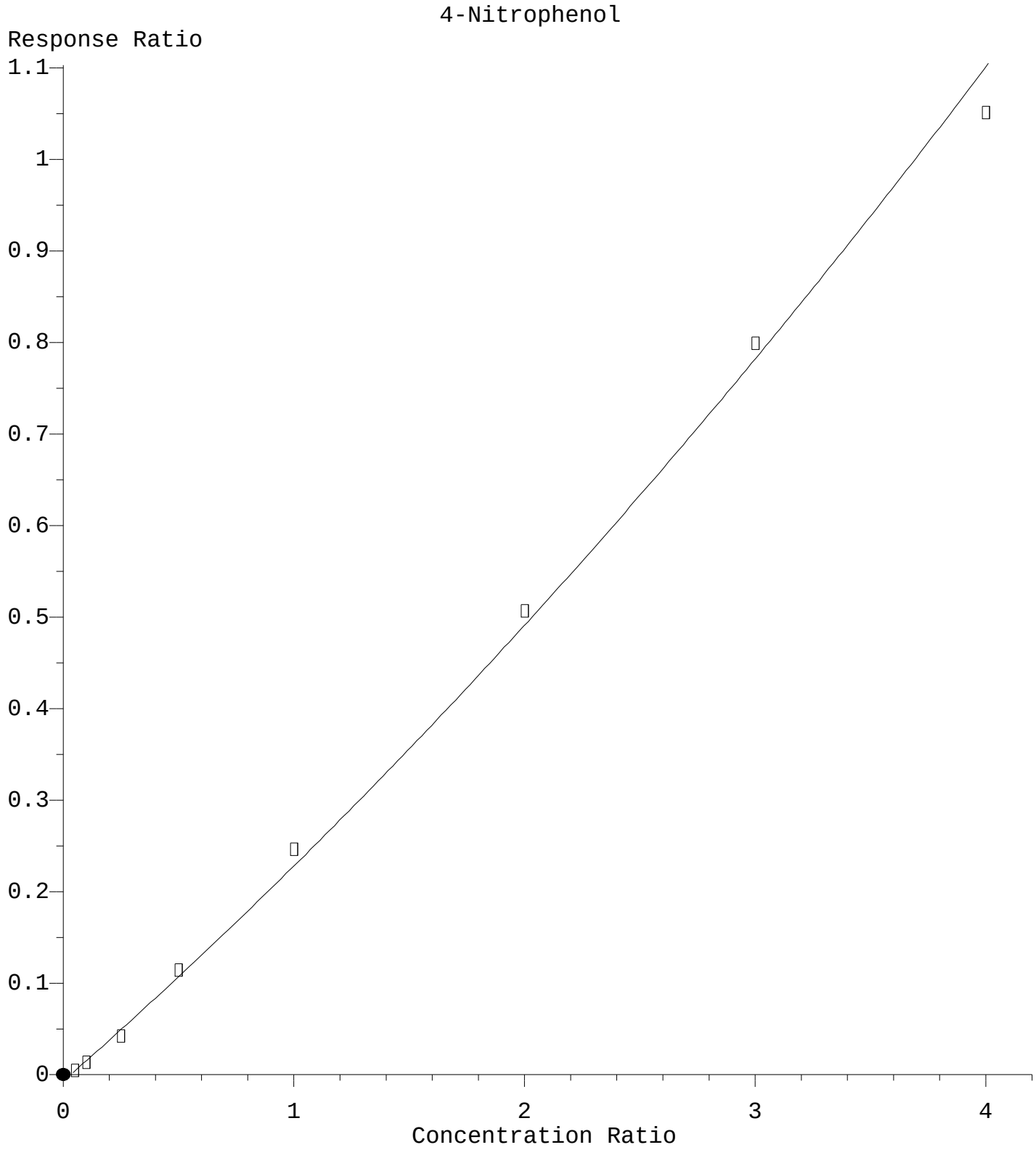
TIC: J03242115.D\data.ms

(52) 2,4-Dinitrophenol (T)

11.419min (+ 1.541) 157.94 ng/ml m

response 136

Ion	Exp%	Act%
184.00	100.00	100.00
91.00	32.60	0.00#
79.00	20.40	0.00
0.00	0.00	0.00

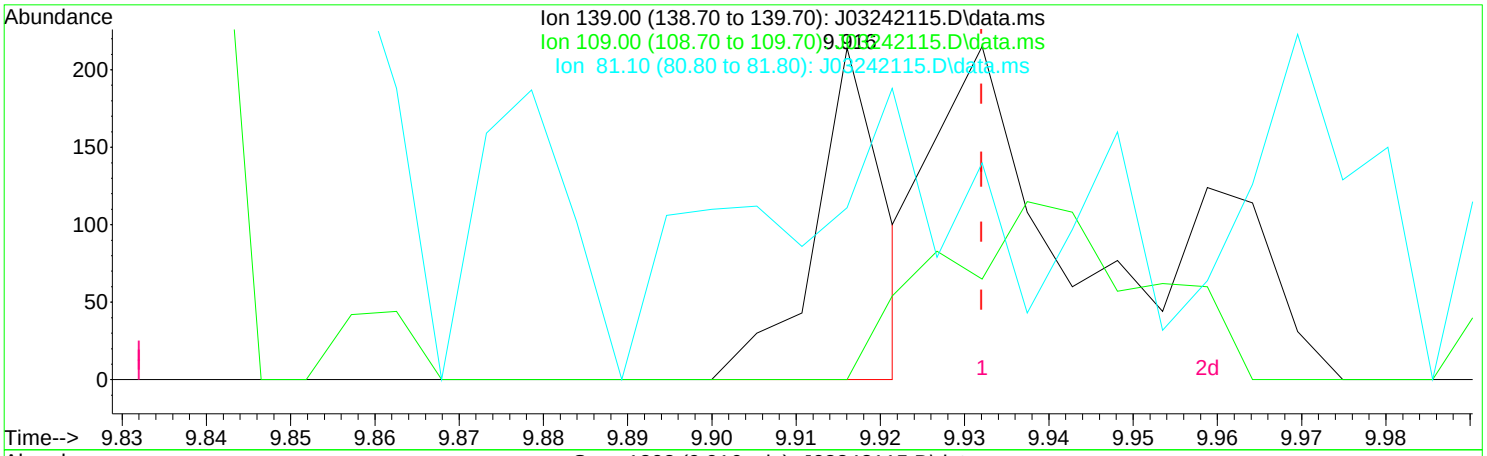


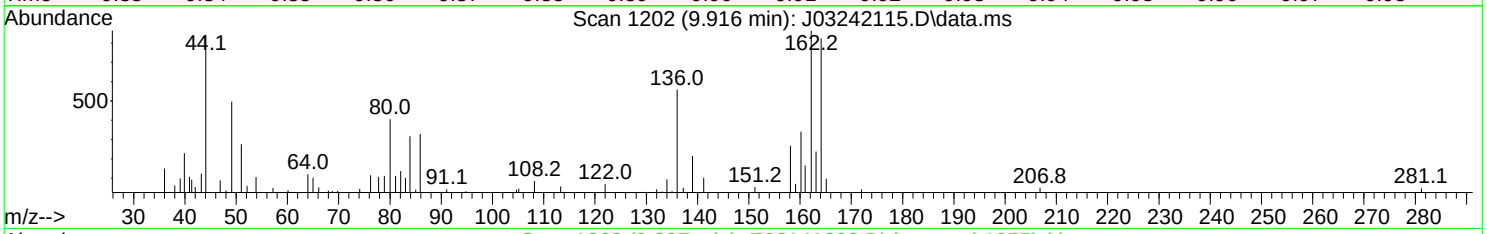
R = 1.40e-002 A*A + 2.21e-001 A - 7.05e-003
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

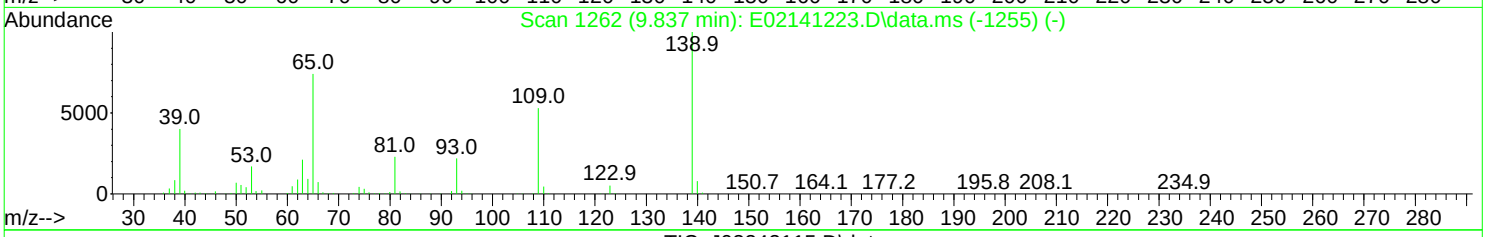
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







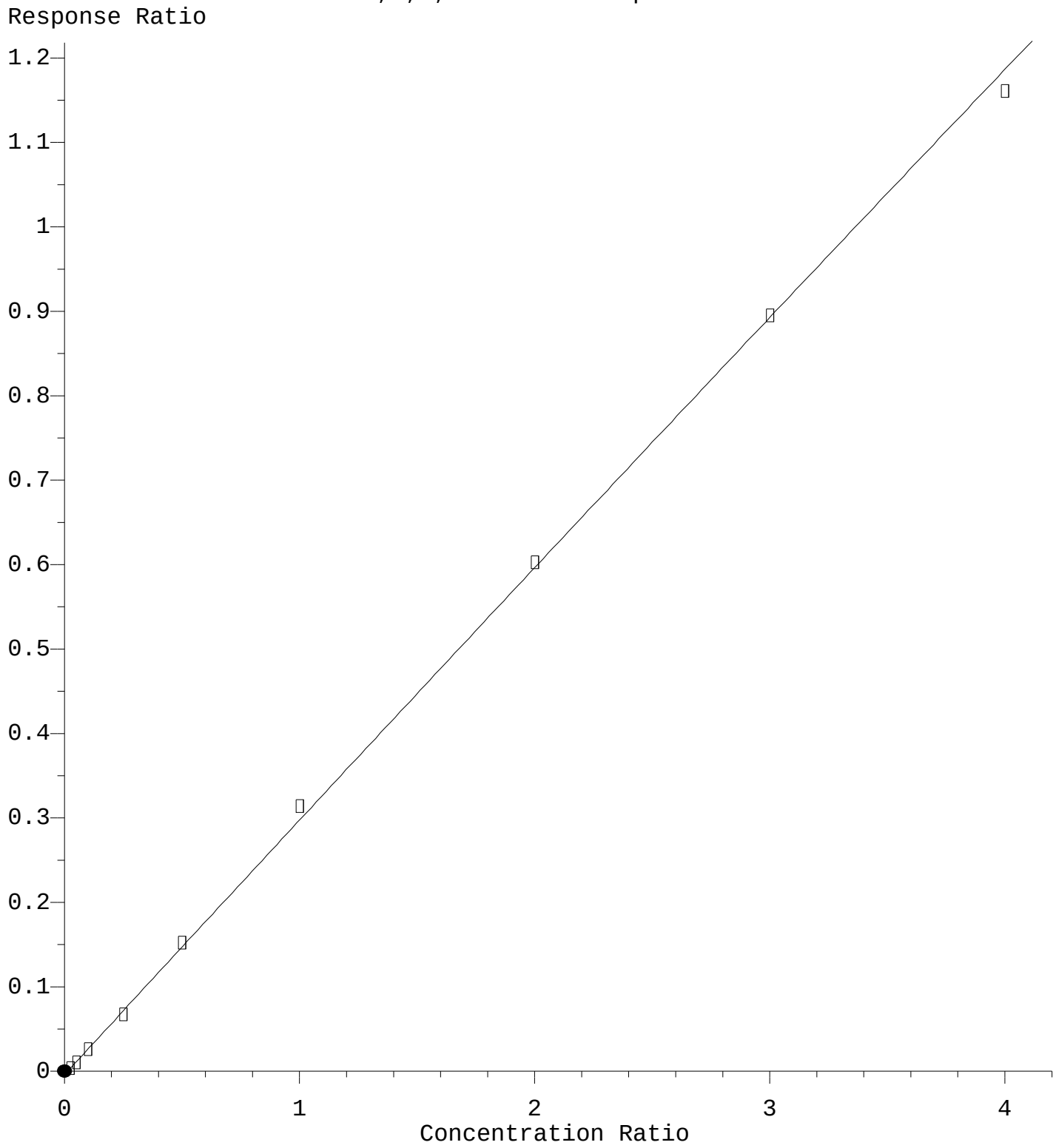
TIC: J03242115.D\data.ms

(53) 4-Nitrophenol (T)

9.916min (-0.016) 65.89 ng/ml m

response 124

Ion	Exp%	Act%
139.00	100.00	100.00
109.00	49.30	0.00#
81.10	20.60	51.87#
0.00	0.00	0.00

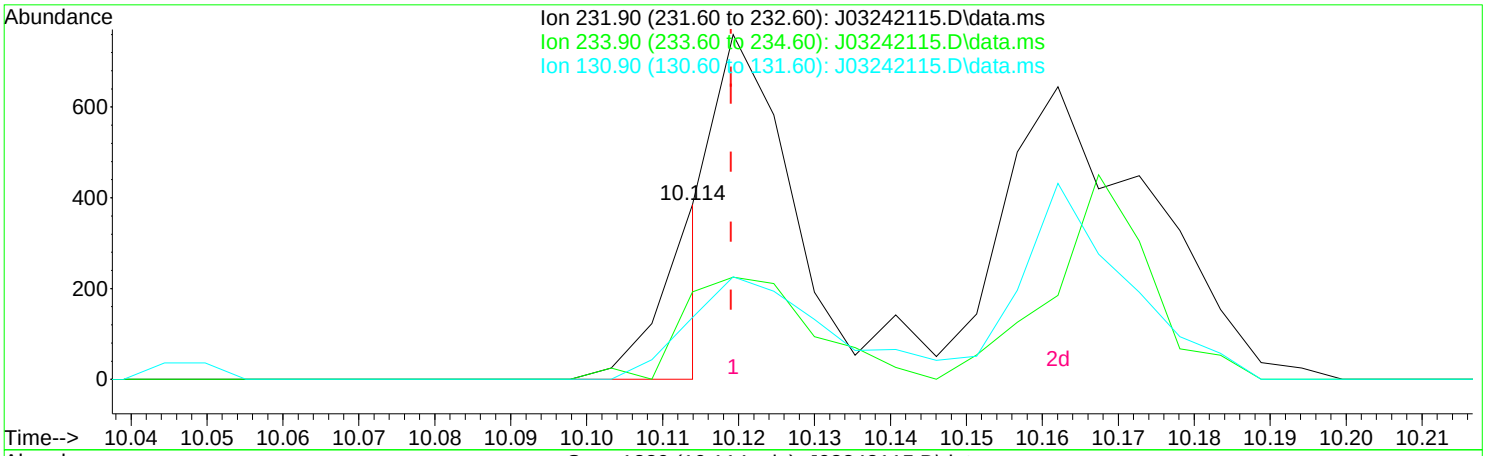


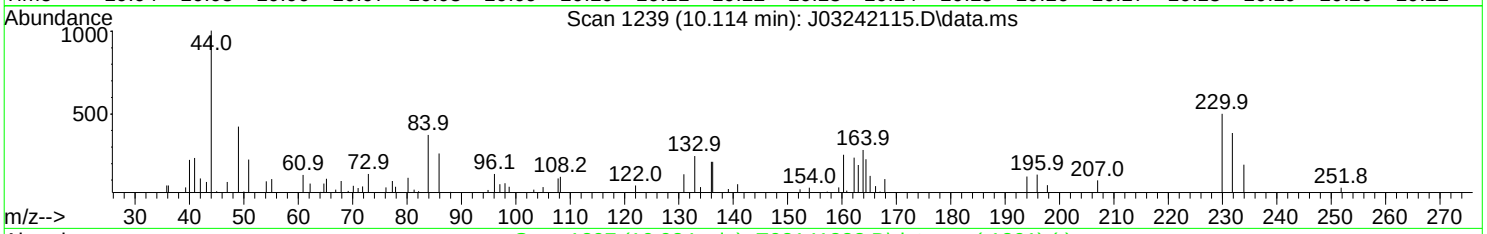
R = -1.27e-003 A*A + 3.03e-001 A - 4.02e-003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

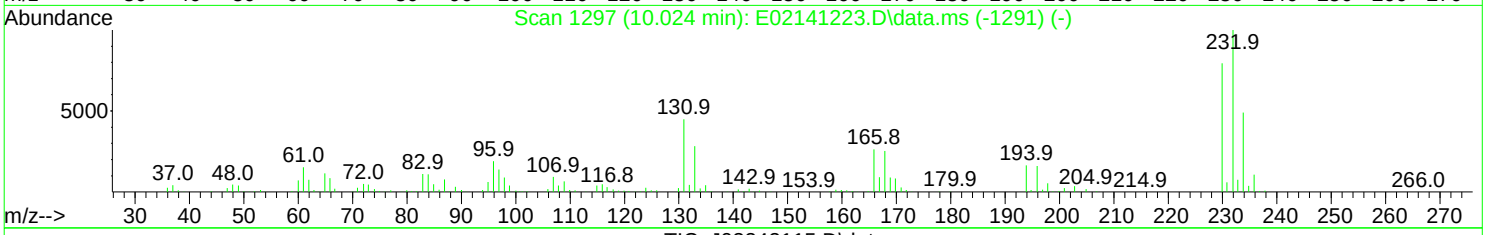
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







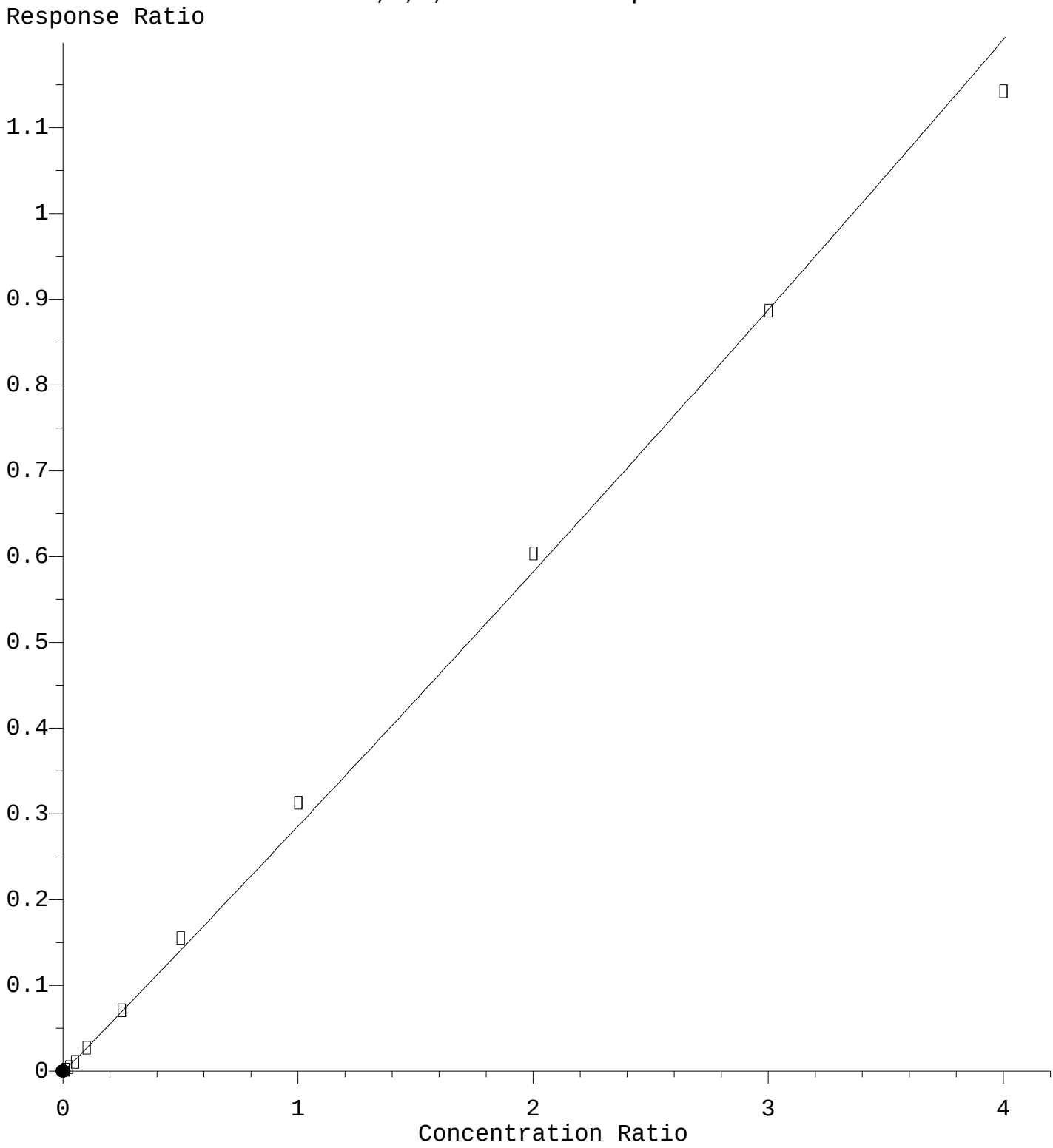
TIC: J03242115.D\data.ms

(56) 2,3,5,6-Tetrachlorophenol (T)

10.114min (-0.005) 28.85 ng/ml m

response 171

Ion	Exp%	Act%
231.90	100.00	100.00
233.90	48.50	50.13
130.90	34.40	35.32
0.00	0.00	0.00

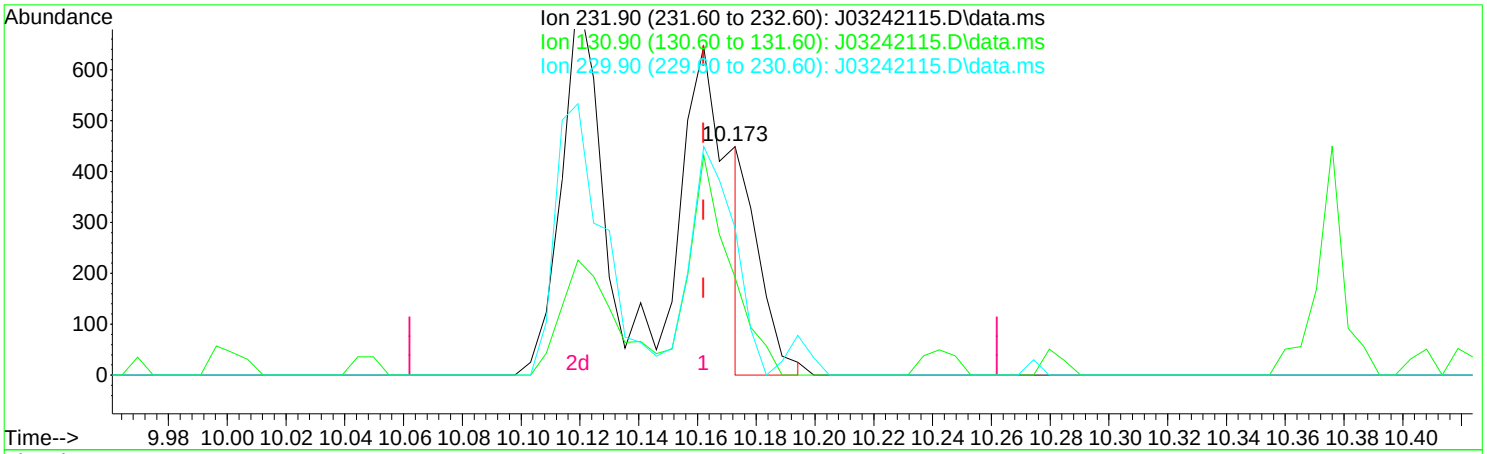


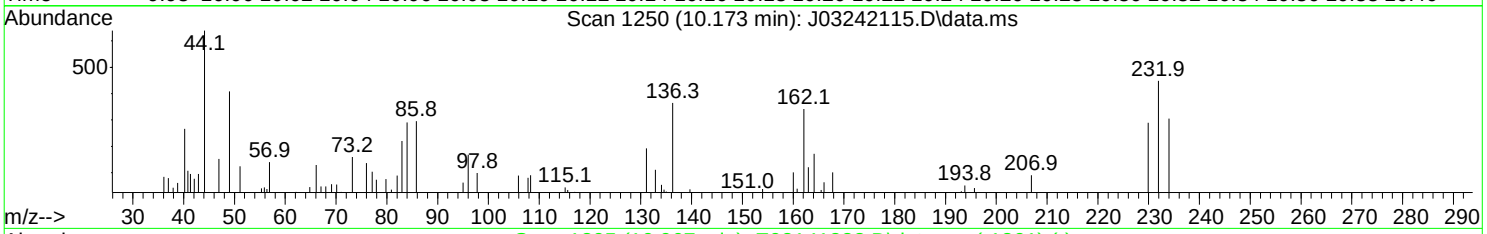
R = 4.64e-003 A*A + 2.82e-001 A - 1.31e-003
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

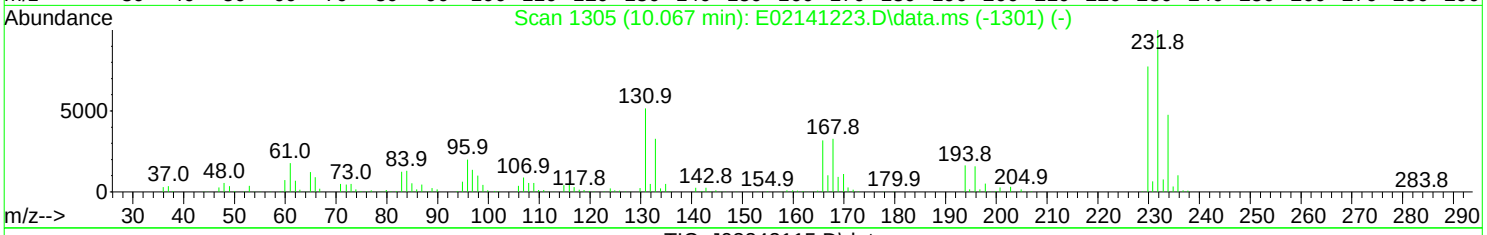
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







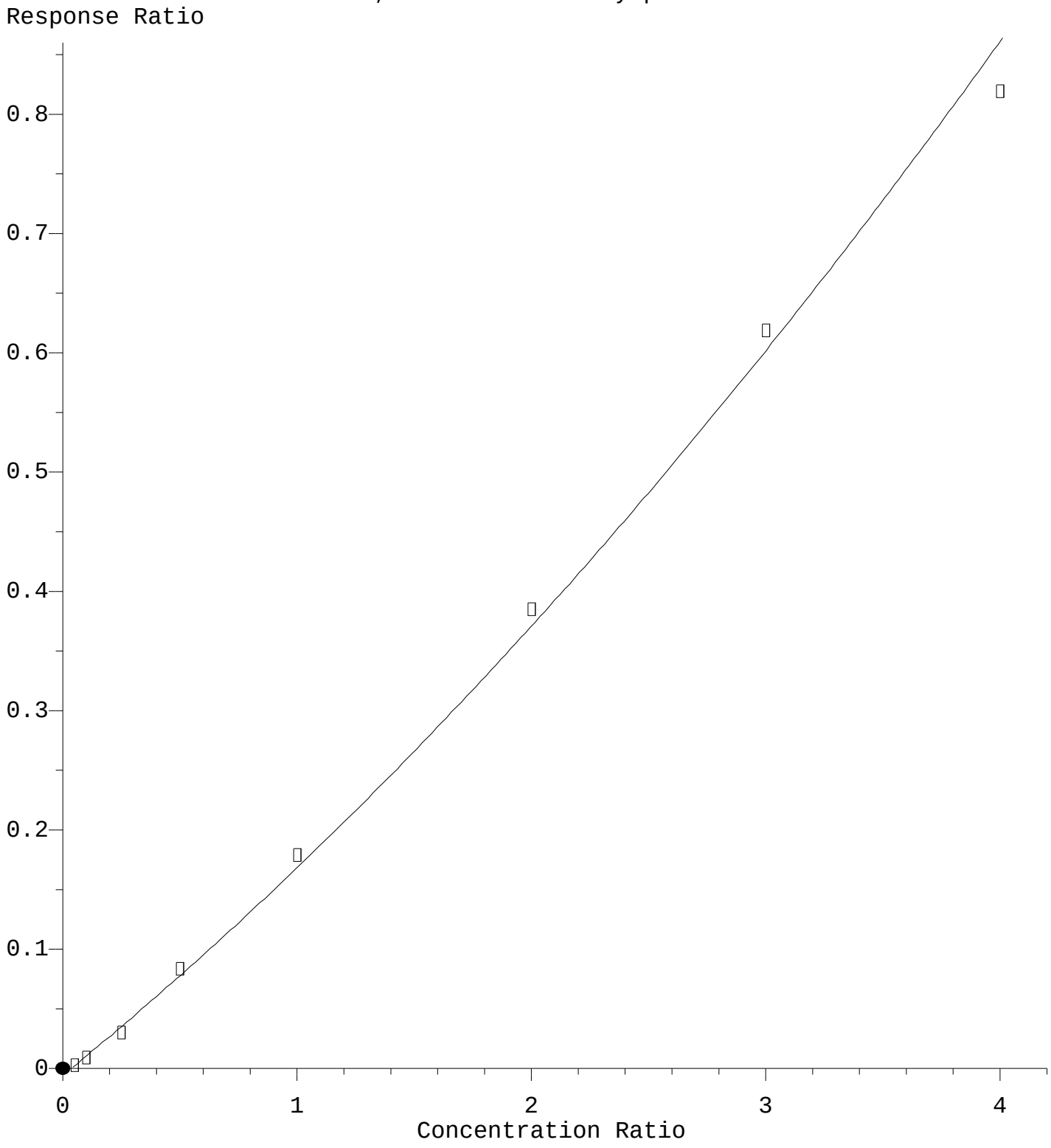
TIC: J03242115.D\data.ms

(57) 2,3,4,6-Tetrachlorophenol (T)

10.173min (+ 0.011) 11.82 ng/ml m

response 175

Ion	Exp%	Act%
231.90	100.00	100.00
130.90	39.50	42.76
229.90	76.60	64.37
0.00	0.00	0.00

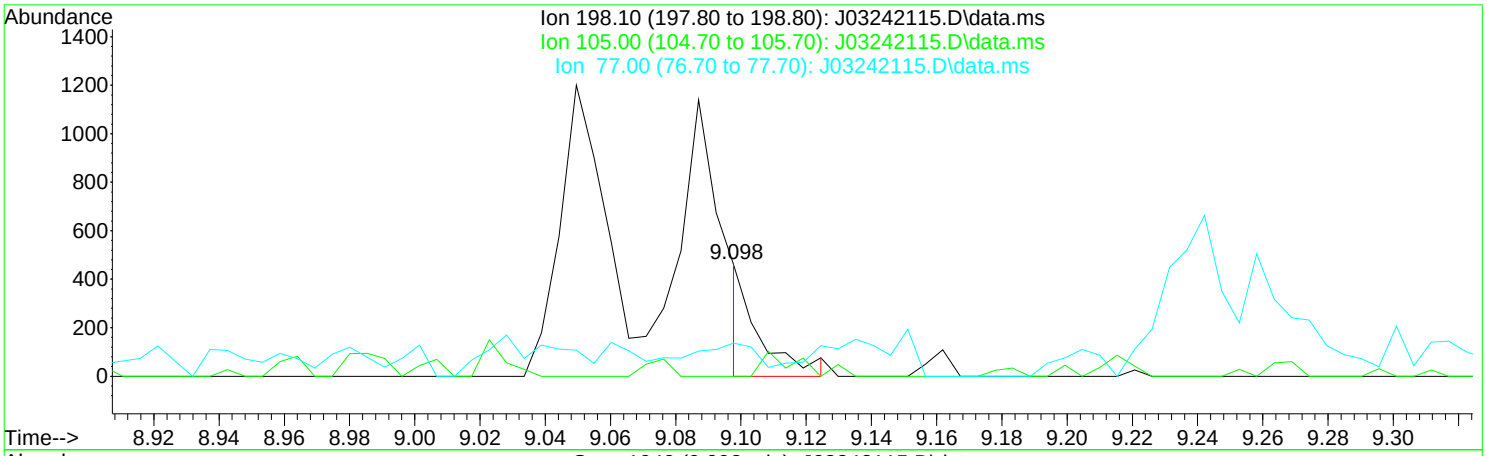


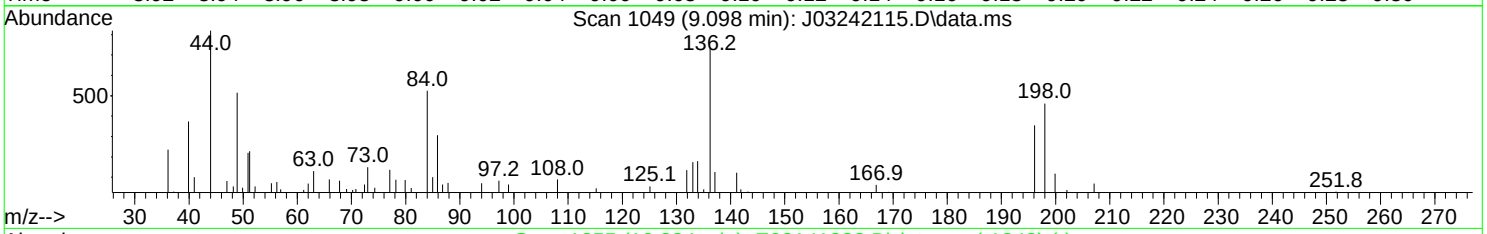
R = 1.42e-002 A*A + 1.60e-001 A - 5.72e-003
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

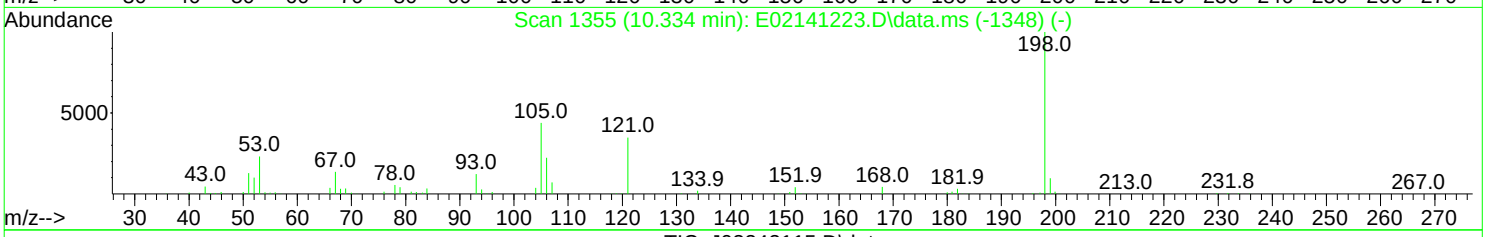
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







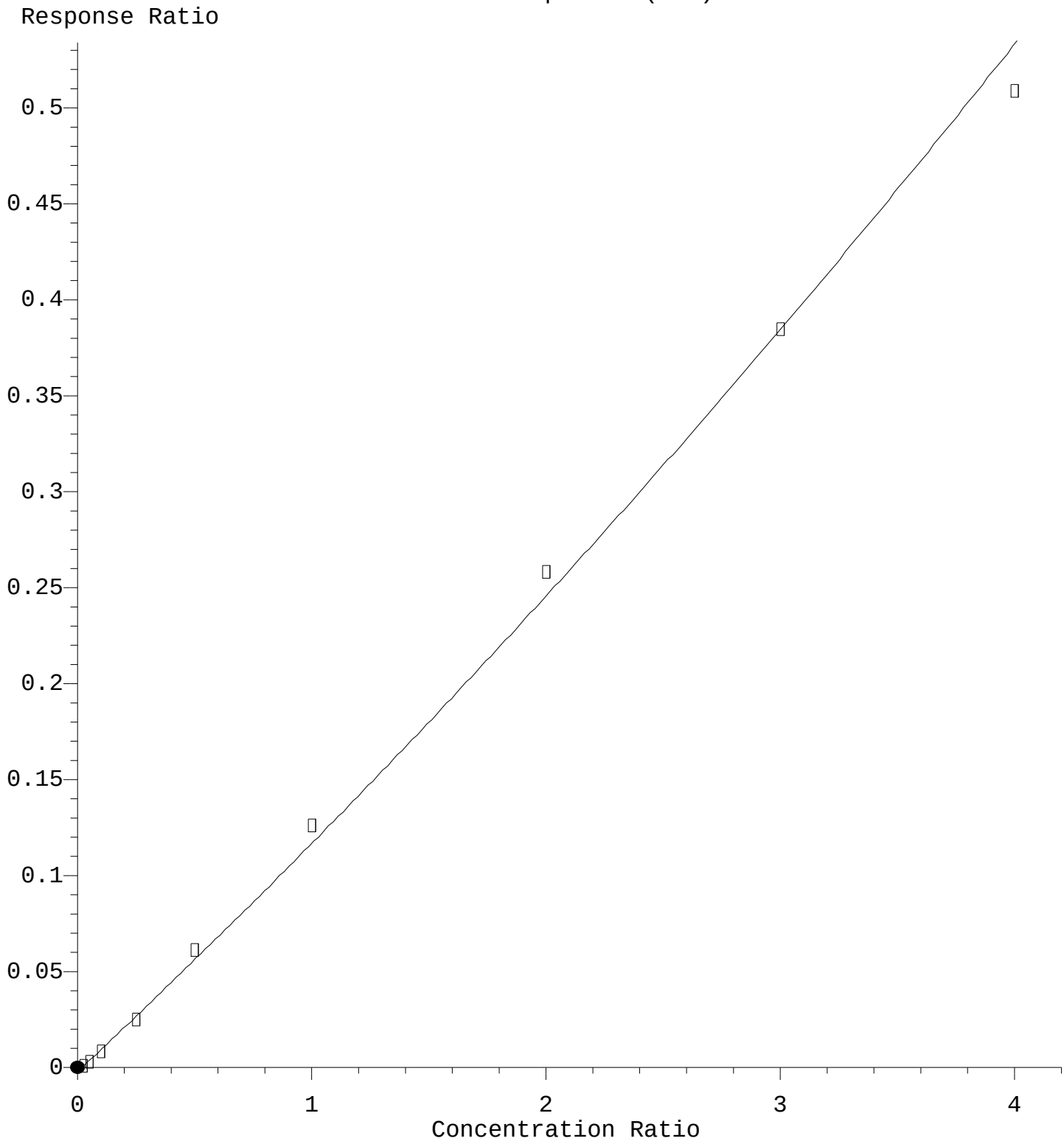
TIC: J03242115.D\data.ms

(63) 4,6-Dinitro-2-methylphenol (T)

9.098min (-1.331) 75.64 ng/ml m

response 168

Ion	Exp%	Act%
198.10	100.00	100.00
105.00	39.30	0.00#
77.00	16.30	29.65
0.00	0.00	0.00

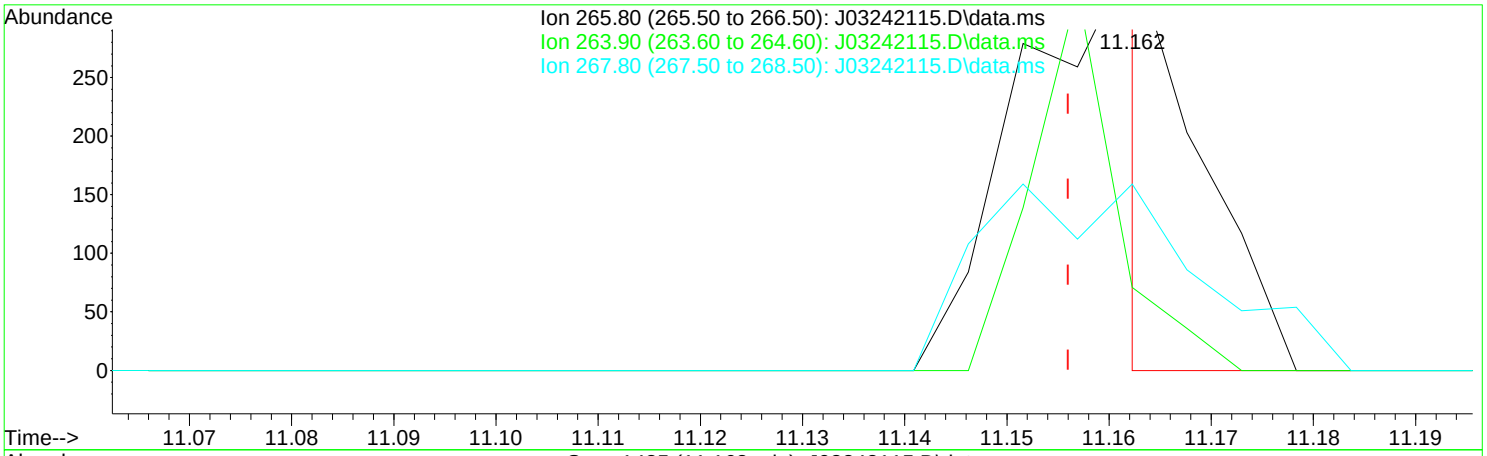


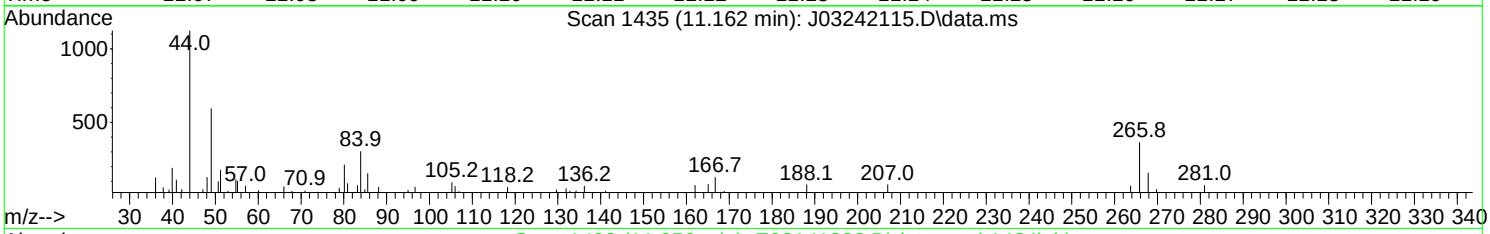
R = 4.98e-003 A*A + 1.14e-001 A - 2.17e-003
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

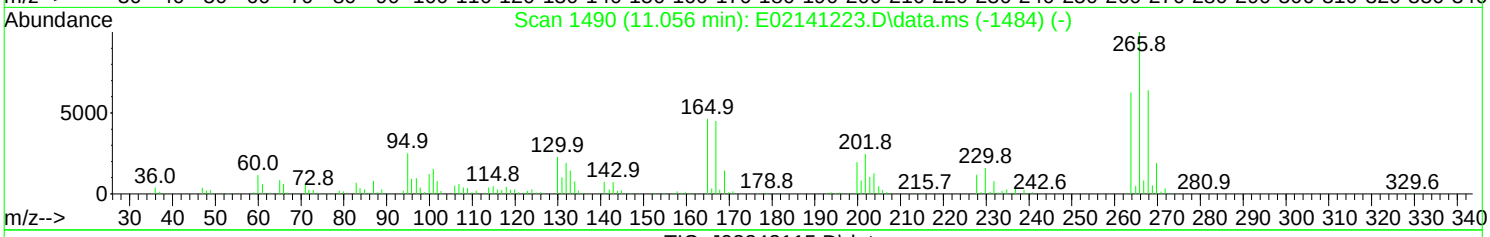
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







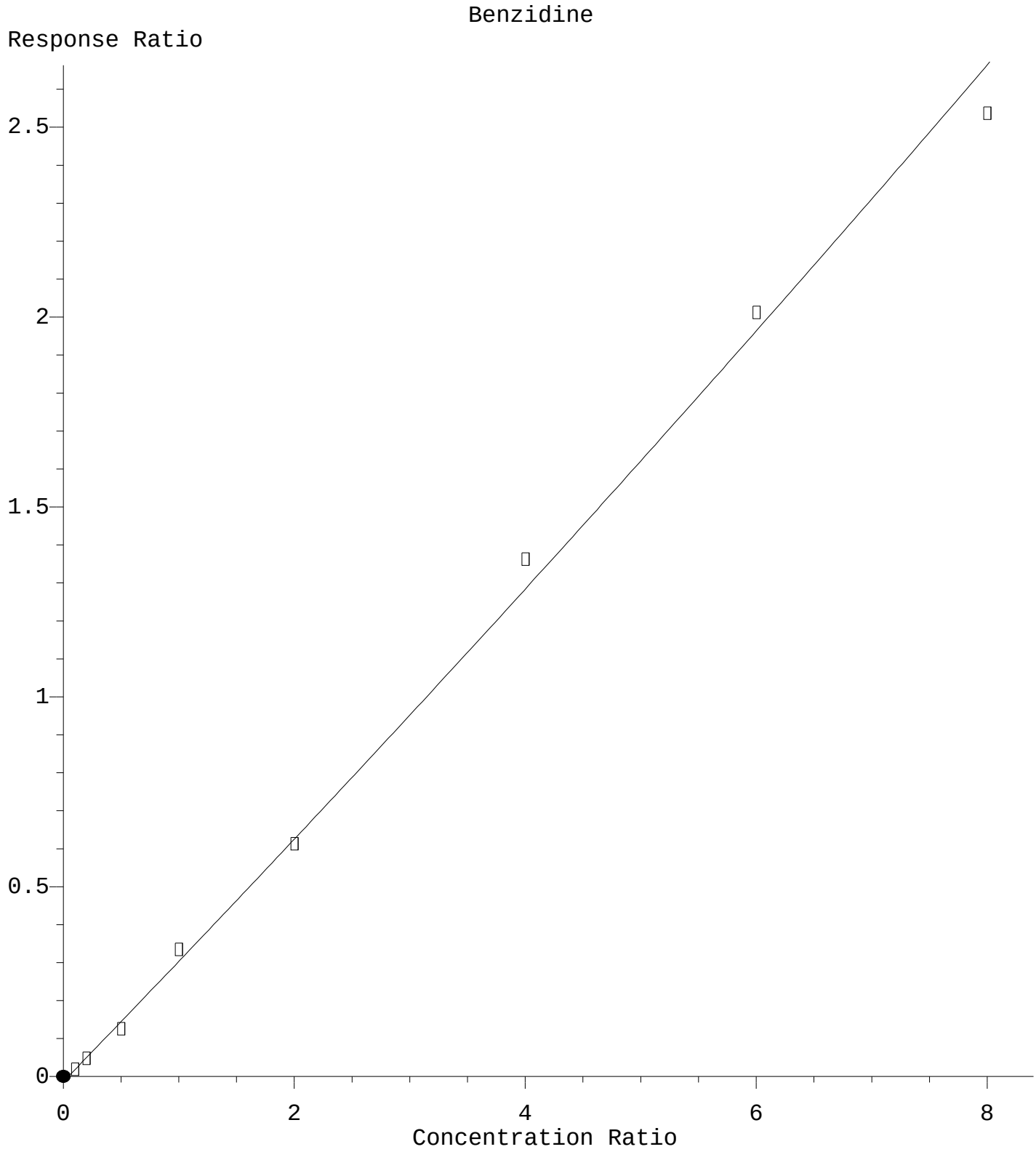
TIC: J03242115.D\data.ms

(70) Pentachlorophenol (PCP) (T)

11.162min (+ 0.006) 40.03 ng/ml m

response 103

Ion	Exp%	Act%
265.80	100.00	100.00
263.90	63.70	19.45#
267.80	64.80	43.56
0.00	0.00	0.00

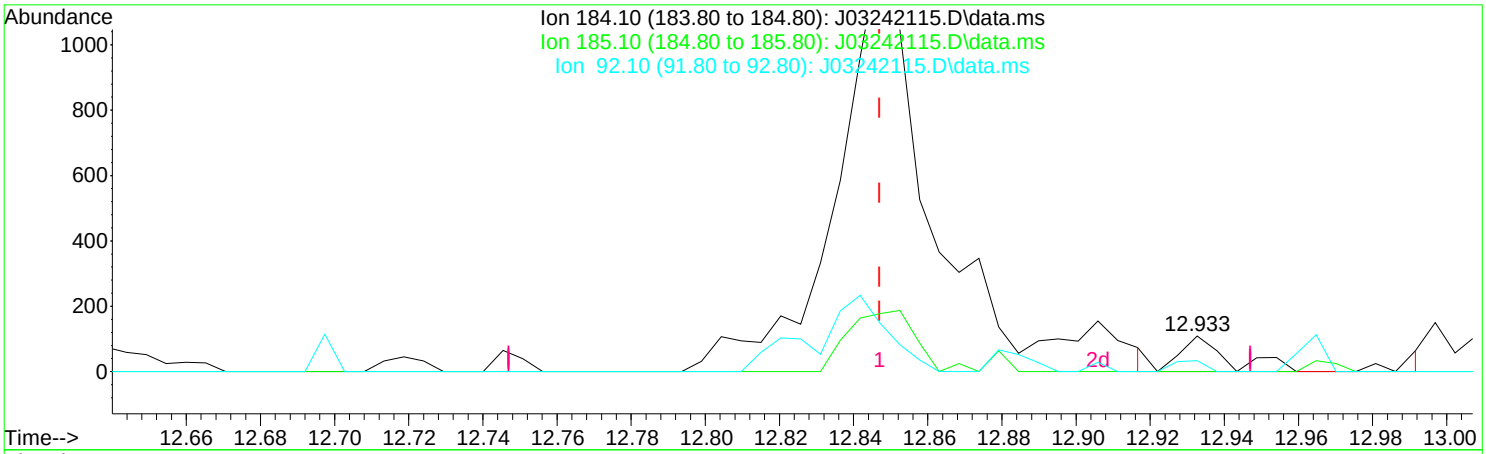


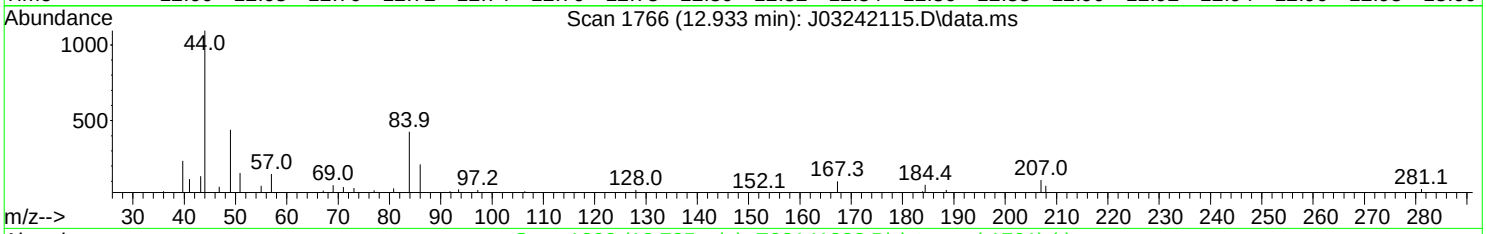
R = 2.60e-003 A*A + 3.14e-001 A - 1.32e-002
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

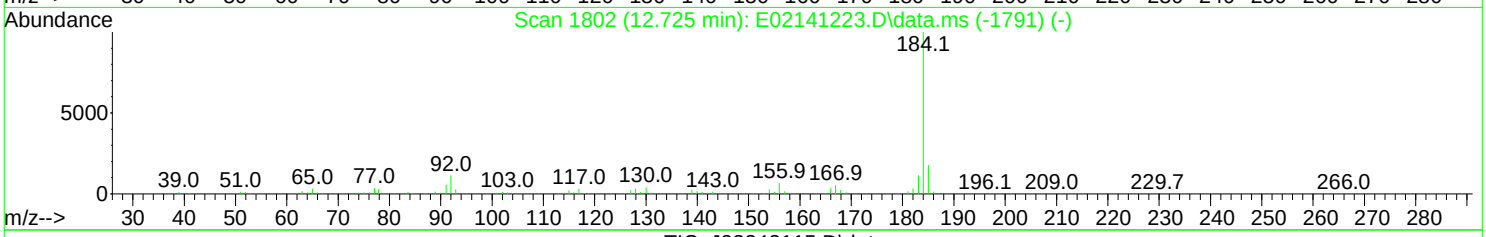
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







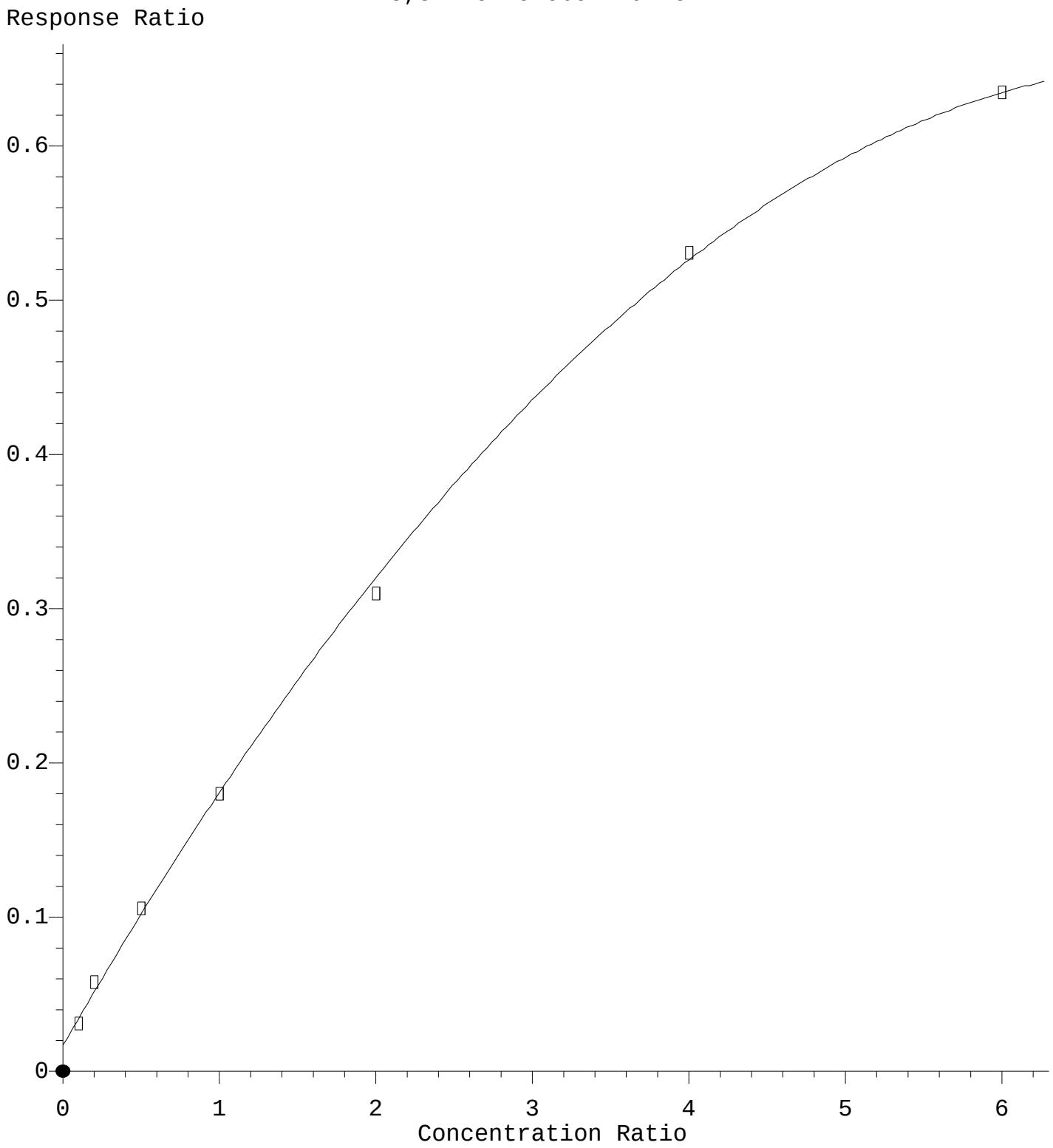
TIC: J03242115.D\data.ms

(76) Benzidine (T)

12.933min (+ 0.086) 84.69 ng/ml m

response 127

Ion	Exp%	Act%
184.10	100.00	100.00
185.10	15.70	0.00
92.10	10.00	45.33#
0.00	0.00	0.00

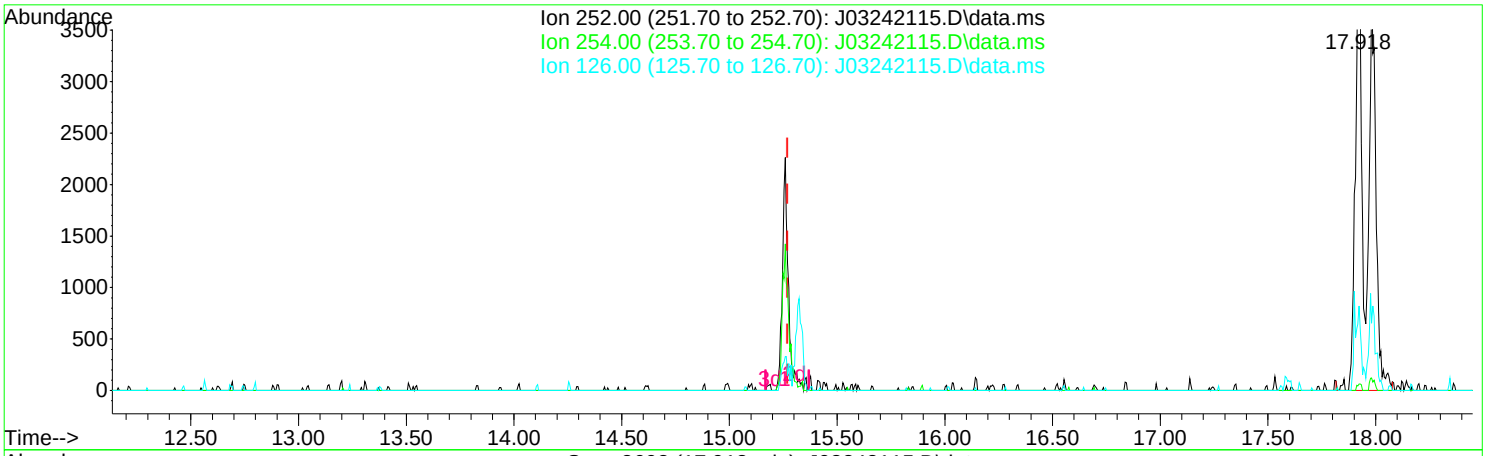


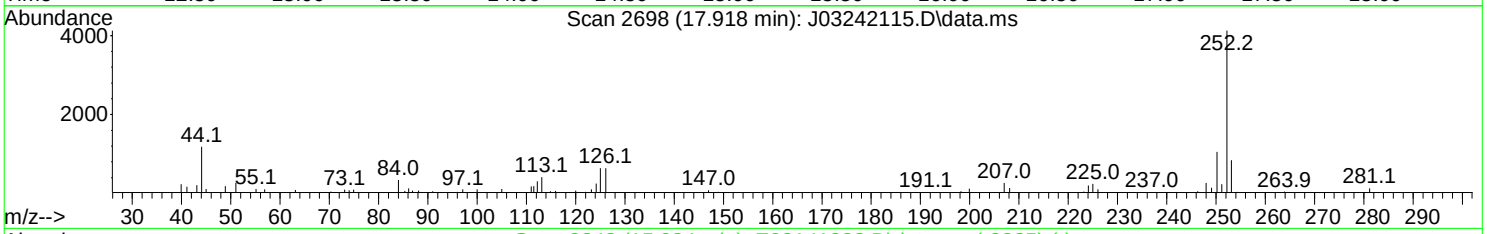
R = -1.22e-002 A*A + 1.76e-001 A + 1.69e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

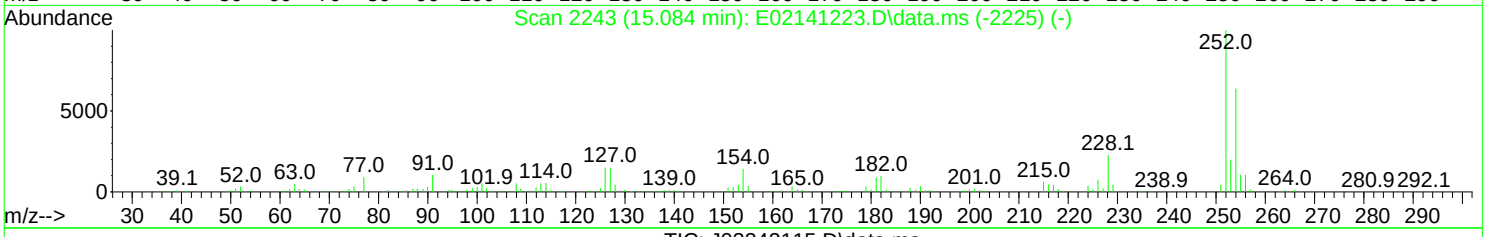
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







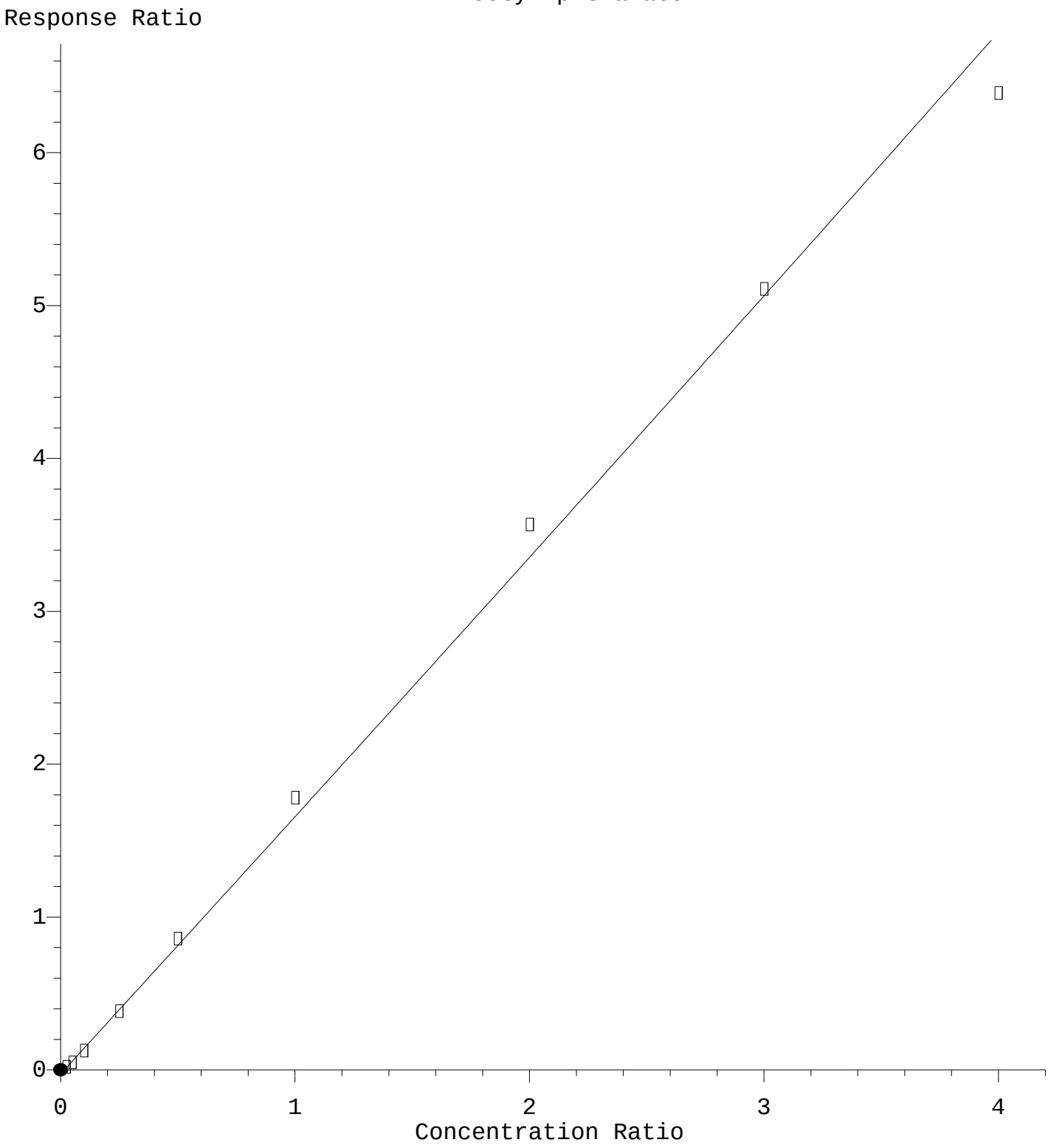
TIC: J03242115.D\data.ms

(82) 3,3-Dichlorobenzidine (T)

17.918min (+ 2.648) 43.49 ng/ml m

response 17095

Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	1.09#
126.00	13.30	15.63
0.00	0.00	0.00

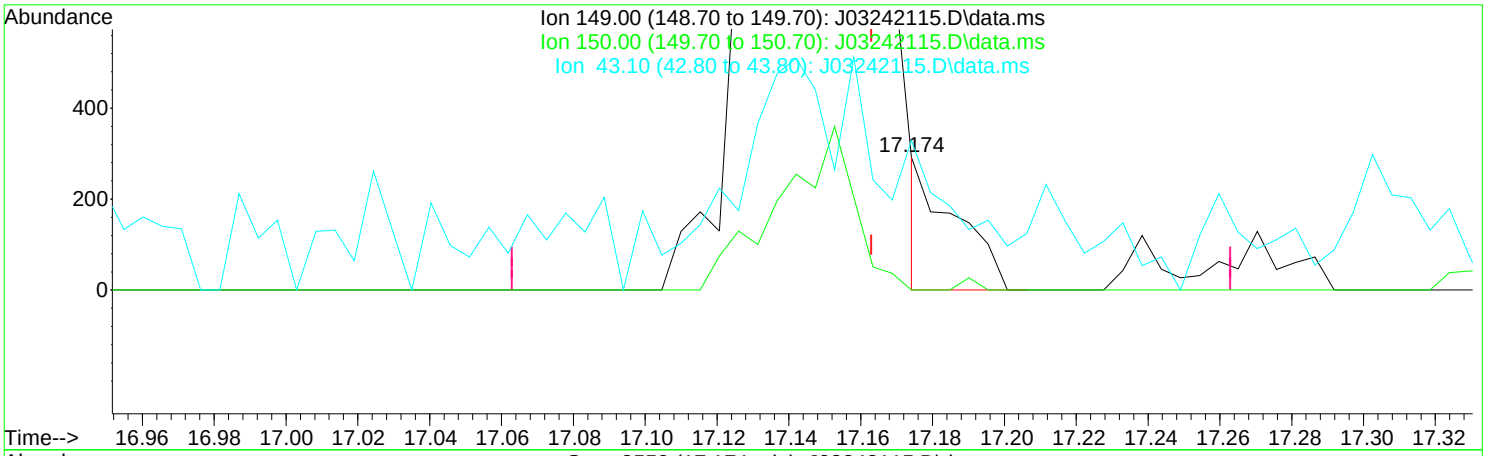


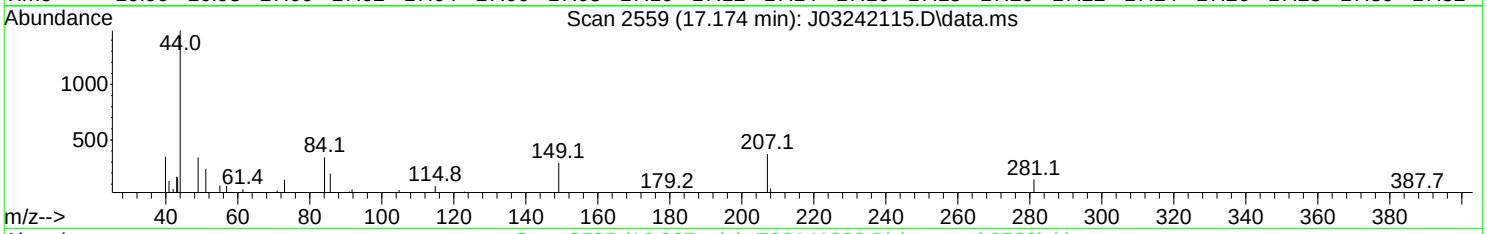
R = 7.14e-003 A*A + 1.68e+000 A - 2.55e-002
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\1\methods\SV10_032421.M
Calibration Table Last Updated: Thu Mar 25 15:06:09 2021

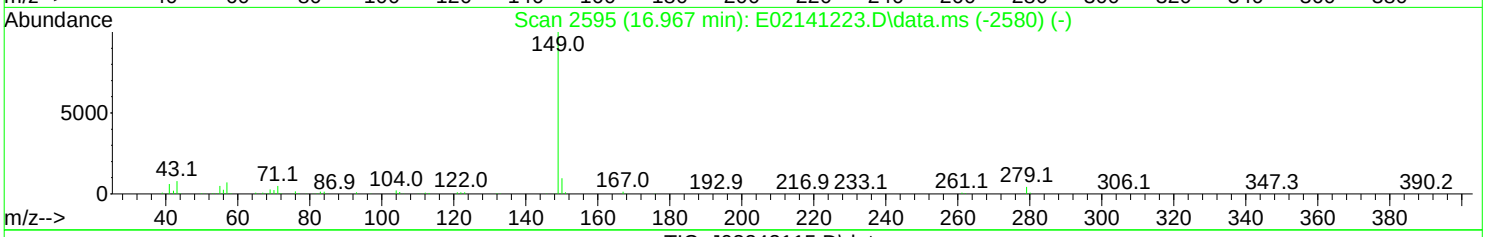
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\REQUANT\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 15:28:38 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration







TIC: J03242115.D\data.ms

(87) Di-n-octyl phthalate (T)

17.174min (+ 0.011) 30.74 ng/ml m

response 189

Ion	Exp%	Act%
149.00	100.00	100.00
150.00	9.70	0.00
43.10	4.60	57.19#
0.00	0.00	0.00

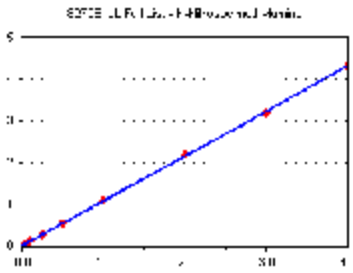
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

N-Nitrosodimethylamine

Curve Fit: **AVERAGE RF**

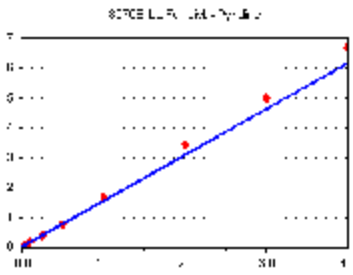


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2321	1.042	4.13
1C24070-CAL2	50	5615	1.068	4.09
1C24070-CAL3	100	12190	1.161	4.08
1C24070-CAL4	200	23589	1.088	4.11
1C24070-CAL5	500	58391	1.054	4.11
1C24070-CAL6	1000	117105	1.058	4.08
1C24070-CAL7	2000	230165	1.081	4.10
1C24070-CAL8	4000	461294	1.092	4.10
1C24070-CAL9	6000	693318	1.060	4.12
1C24070-CALA	8000	905965	1.080	4.10

AVE RF **1.078** RF RSD **3.06** AVE RT **4.10**

Pyridine

Curve Fit: **AVERAGE RF**

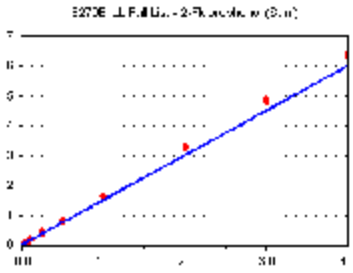


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2883	1.295	4.19
1C24070-CAL2	50	6969	1.325	4.15
1C24070-CAL3	100	15357	1.462	4.13
1C24070-CAL4	200	34786	1.604	4.15
1C24070-CAL5	500	84374	1.523	4.14
1C24070-CAL6	1000	165380	1.494	4.11
1C24070-CAL7	2000	352480	1.655	4.12
1C24070-CAL8	4000	730241	1.728	4.12
1C24070-CAL9	6000	1086560	1.662	4.13
1C24070-CALA	8000	1403968	1.674	4.11

AVE RF **1.542** RF RSD **9.68** AVE RT **4.13**

2-Fluorophenol (Surr)

Curve Fit: **AVERAGE RF**

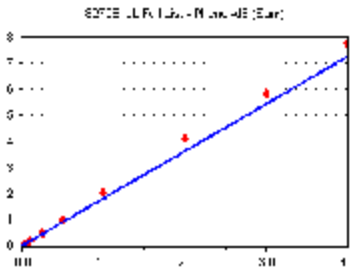


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3206	1.440	5.50
1C24070-CAL2	50	5730	1.089	5.49
1C24070-CAL3	100	11935	1.136	5.49
1C24070-CAL4	200	34805	1.605	5.50
1C24070-CAL5	500	92351	1.667	5.50
1C24070-CAL6	1000	176661	1.596	5.49
1C24070-CAL7	2000	346905	1.629	5.50
1C24070-CAL8	4000	693549	1.641	5.50
1C24070-CAL9	6000	1056157	1.615	5.50
1C24070-CALA	8000	1342763	1.601	5.50

AVE RF **1.502** RF RSD **14.26** AVE RT **5.50**

Phenol-d6 (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3292	1.478	6.40
1C24070-CAL2	50	8102	1.540	6.40
1C24070-CAL3	100	17242	1.642	6.40
1C24070-CAL4	200	36290	1.674	6.40
1C24070-CAL5	500	101621	1.835	6.40
1C24070-CAL6	1000	218540	1.974	6.40
1C24070-CAL7	2000	433847	2.037	6.41
1C24070-CAL8	4000	864746	2.046	6.41
1C24070-CAL9	6000	1268462	1.940	6.42
1C24070-CALA	8000	1636613	1.951	6.42

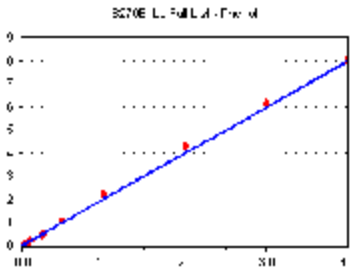
AVE RF **1.812** RF RSD **11.66** AVE RT **6.41**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Phenol

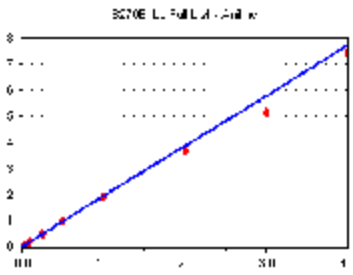


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3852	1.730	6.42
1C24070-CAL2	50	9413	1.790	6.42
1C24070-CAL3	100	20459	1.948	6.41
1C24070-CAL4	200	40993	1.891	6.42
1C24070-CAL5	500	111702	2.017	6.42
1C24070-CAL6	1000	235719	2.130	6.41
1C24070-CAL7	2000	473632	2.224	6.42
1C24070-CAL8	4000	919445	2.176	6.43
1C24070-CAL9	6000	1339835	2.049	6.43
1C24070-CALA	8000	1687497	2.012	6.44

AVE RF **1.997** RF RSD **8.05** AVE RT **6.42**

Aniline

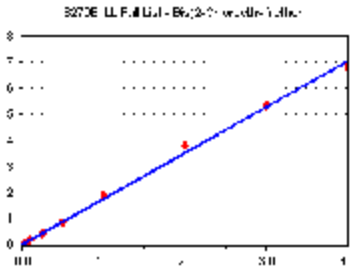


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	4124	1.852	6.46
1C24070-CAL2	50	10697	2.034	6.45
1C24070-CAL3	100	21305	2.028	6.45
1C24070-CAL4	200	45978	2.121	6.46
1C24070-CAL5	500	109066	1.969	6.45
1C24070-CAL6	1000	221732	2.003	6.45
1C24070-CAL7	2000	403130	1.893	6.45
1C24070-CAL8	4000	773956	1.831	6.46
1C24070-CAL9	6000	1121336	1.715	6.46
1C24070-CALA	8000	1558754	1.858	6.46

AVE RF **1.930** RF RSD **6.28** AVE RT **6.45**

Bis(2-Chloroethyl) ether

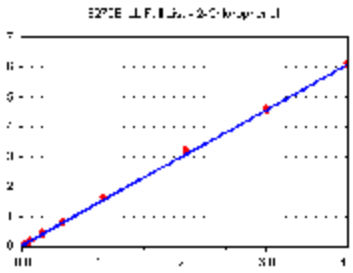


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	4045	1.816	6.51
1C24070-CAL2	50	9049	1.720	6.50
1C24070-CAL3	100	18352	1.747	6.50
1C24070-CAL4	200	36127	1.666	6.51
1C24070-CAL5	500	93993	1.697	6.51
1C24070-CAL6	1000	187957	1.698	6.50
1C24070-CAL7	2000	402220	1.889	6.51
1C24070-CAL8	4000	804941	1.905	6.51
1C24070-CAL9	6000	1171945	1.792	6.52
1C24070-CALA	8000	1431722	1.707	6.52

AVE RF **1.764** RF RSD **4.74** AVE RT **6.51**

2-Chlorophenol



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2673	1.200	6.57
1C24070-CAL2	50	7609	1.447	6.57
1C24070-CAL3	100	15621	1.487	6.57
1C24070-CAL4	200	33274	1.535	6.57
1C24070-CAL5	500	89192	1.610	6.57
1C24070-CAL6	1000	177394	1.603	6.57
1C24070-CAL7	2000	350166	1.644	6.57
1C24070-CAL8	4000	681323	1.612	6.57
1C24070-CAL9	6000	995809	1.523	6.58
1C24070-CALA	8000	1288285	1.536	6.58

AVE RF **1.520** RF RSD **8.44** AVE RT **6.57**

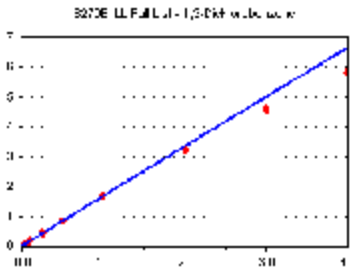
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

1,3-Dichlorobenzene

Curve Fit: **AVERAGE RF**

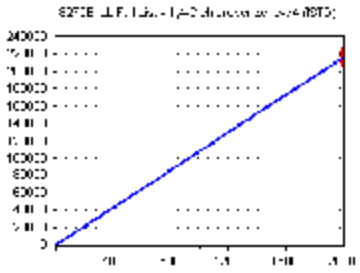


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3599	1.616	6.72
1C24070-CAL2	50	9371	1.782	6.72
1C24070-CAL3	100	18770	1.787	6.72
1C24070-CAL4	200	38600	1.780	6.72
1C24070-CAL5	500	96353	1.739	6.72
1C24070-CAL6	1000	188043	1.699	6.72
1C24070-CAL7	2000	363238	1.706	6.72
1C24070-CAL8	4000	676407	1.601	6.72
1C24070-CAL9	6000	999413	1.529	6.73
1C24070-CALA	8000	1221123	1.456	6.73

AVE RF **1.669** RF RSD **6.88** AVE RT **6.72**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**

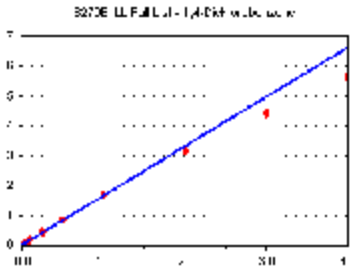


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	222685	111.343	6.78
1C24070-CAL2	2000	210397	105.199	6.77
1C24070-CAL3	2000	210076	105.038	6.77
1C24070-CAL4	2000	216822	108.411	6.78
1C24070-CAL5	2000	221568	110.784	6.78
1C24070-CAL6	2000	221367	110.684	6.78
1C24070-CAL7	2000	212942	106.471	6.78
1C24070-CAL8	2000	211291	105.645	6.78
1C24070-CAL9	2000	217946	108.973	6.78
1C24070-CALA	2000	209697	104.849	6.78

AVE RF **107.740** RF RSD **2.42** AVE RT **6.78**

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**

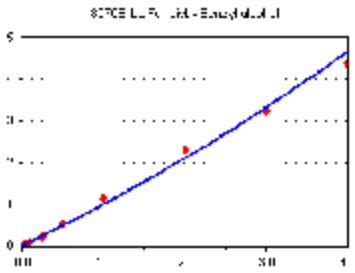


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3862	1.734	6.79
1C24070-CAL2	50	9624	1.830	6.79
1C24070-CAL3	100	18373	1.749	6.79
1C24070-CAL4	200	38245	1.764	6.79
1C24070-CAL5	500	95282	1.720	6.79
1C24070-CAL6	1000	182467	1.649	6.79
1C24070-CAL7	2000	358307	1.683	6.79
1C24070-CAL8	4000	660210	1.562	6.79
1C24070-CAL9	6000	963844	1.474	6.80
1C24070-CALA	8000	1185748	1.414	6.80

AVE RF **1.658** RF RSD **8.09** AVE RT **6.79**

Benzyl alcohol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	366	0.164	6.91
1C24070-CAL2	50	2883	0.548	6.91
1C24070-CAL3	100	7603	0.724	6.91
1C24070-CAL4	200	15429	0.712	6.91
1C24070-CAL5	500	50821	0.917	6.91
1C24070-CAL6	1000	115060	1.040	6.91
1C24070-CAL7	2000	239552	1.125	6.91
1C24070-CAL8	4000	483111	1.143	6.91
1C24070-CAL9	6000	708537	1.084	6.92
1C24070-CALA	8000	918410	1.095	6.93

AVE RF **0.855** RF RSD **37.24** AVE RT **6.91**

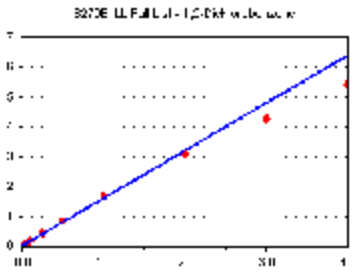
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

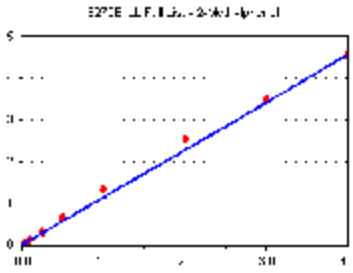


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3625	1.628	6.95
1C24070-CAL2	50	8761	1.666	6.95
1C24070-CAL3	100	17795	1.694	6.95
1C24070-CAL4	200	36349	1.676	6.95
1C24070-CAL5	500	94868	1.713	6.95
1C24070-CAL6	1000	182360	1.648	6.95
1C24070-CAL7	2000	350517	1.646	6.95
1C24070-CAL8	4000	647053	1.531	6.95
1C24070-CAL9	6000	930223	1.423	6.95
1C24070-CALA	8000	1134906	1.353	6.95

AVE RF **1.598** RF RSD **7.64** AVE RT **6.95**

2-Methylphenol

Curve Fit: **AVERAGE RF**

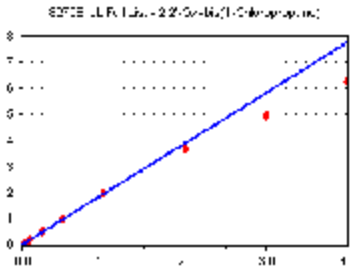


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	1845	0.829	7.02
1C24070-CAL2	50	5477	1.041	7.01
1C24070-CAL3	100	11822	1.125	7.01
1C24070-CAL4	200	23430	1.081	7.01
1C24070-CAL5	500	63943	1.154	7.01
1C24070-CAL6	1000	142431	1.287	7.01
1C24070-CAL7	2000	280445	1.317	7.01
1C24070-CAL8	4000	534134	1.264	7.02
1C24070-CAL9	6000	762358	1.166	7.02
1C24070-CALA	8000	952615	1.136	7.02

AVE RF **1.140** RF RSD **12.39** AVE RT **7.01**

2,2'-Oxybis(1-Chloropropane)

Curve Fit: **AVERAGE RF**

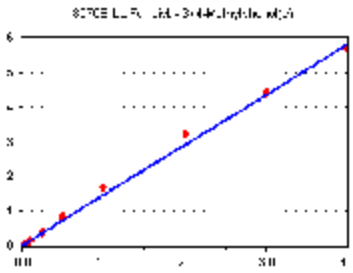


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	4669	2.097	7.04
1C24070-CAL2	50	11211	2.131	7.04
1C24070-CAL3	100	22079	2.102	7.04
1C24070-CAL4	200	45083	2.079	7.04
1C24070-CAL5	500	113110	2.042	7.04
1C24070-CAL6	1000	223135	2.016	7.04
1C24070-CAL7	2000	422008	1.982	7.04
1C24070-CAL8	4000	775587	1.835	7.04
1C24070-CAL9	6000	1085190	1.660	7.04
1C24070-CALA	8000	1310670	1.563	7.05

AVE RF **1.951** RF RSD **10.19** AVE RT **7.04**

3+4-Methylphenol(s)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2502	1.124	7.17
1C24070-CAL2	50	6673	1.269	7.16
1C24070-CAL3	100	14196	1.352	7.16
1C24070-CAL4	200	29440	1.358	7.16
1C24070-CAL5	500	84154	1.519	7.16
1C24070-CAL6	1000	187297	1.692	7.16
1C24070-CAL7	2000	358836	1.685	7.16
1C24070-CAL8	4000	675067	1.597	7.17
1C24070-CAL9	6000	961909	1.471	7.18
1C24070-CALA	8000	1191931	1.421	7.18

AVE RF **1.449** RF RSD **12.59** AVE RT **7.17**

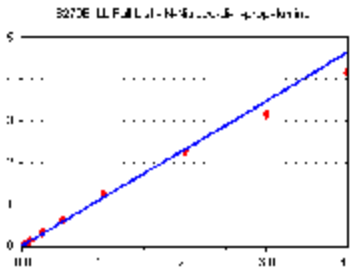
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

N-Nitroso-di-n-propylamine

Curve Fit: **AVERAGE RF**

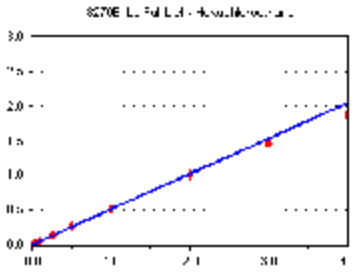


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2627	1.180	7.17
1C24070-CAL2	50	6106	1.161	7.17
1C24070-CAL3	100	11834	1.127	7.17
1C24070-CAL4	200	25520	1.177	7.17
1C24070-CAL5	500	69283	1.251	7.17
1C24070-CAL6	1000	137881	1.246	7.17
1C24070-CAL7	2000	263541	1.238	7.17
1C24070-CAL8	4000	477698	1.130	7.18
1C24070-CAL9	6000	690461	1.056	7.19
1C24070-CALA	8000	871154	1.039	7.19

AVE RF **1.160** RF RSD **6.41** AVE RT **7.17**

Hexachloroethane

Curve Fit: **AVERAGE RF**

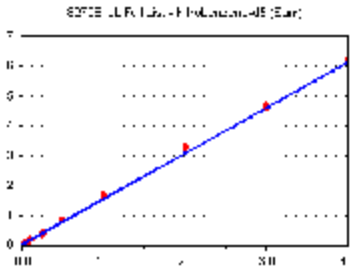


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	1246	0.560	7.29
1C24070-CAL2	50	2530	0.481	7.28
1C24070-CAL3	100	5333	0.508	7.28
1C24070-CAL4	200	11456	0.528	7.28
1C24070-CAL5	500	29748	0.537	7.29
1C24070-CAL6	1000	57580	0.520	7.29
1C24070-CAL7	2000	111833	0.525	7.29
1C24070-CAL8	4000	212869	0.504	7.29
1C24070-CAL9	6000	317283	0.485	7.29
1C24070-CALA	8000	390714	0.466	7.29

AVE RF **0.511** RF RSD **5.56** AVE RT **7.29**

Nitrobenzene-d5 (Surr)

Curve Fit: **AVERAGE RF**

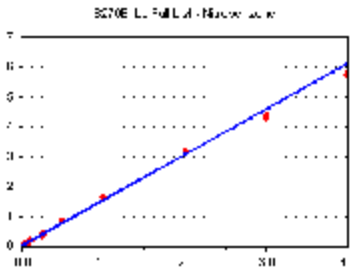


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3021	1.357	7.32
1C24070-CAL2	50	7469	1.420	7.32
1C24070-CAL3	100	15227	1.450	7.32
1C24070-CAL4	200	32160	1.483	7.32
1C24070-CAL5	500	85094	1.536	7.32
1C24070-CAL6	1000	182932	1.653	7.32
1C24070-CAL7	2000	356663	1.675	7.32
1C24070-CAL8	4000	691855	1.637	7.33
1C24070-CAL9	6000	1010215	1.545	7.33
1C24070-CALA	8000	1293142	1.542	7.33

AVE RF **1.530** RF RSD **6.85** AVE RT **7.32**

Nitrobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~2958~~	~~1.328~~	~~7.34~~
1C24070-CAL2	50	7510	1.428	7.34
1C24070-CAL3	100	15874	1.511	7.34
1C24070-CAL4	200	32760	1.511	7.34
1C24070-CAL5	500	86361	1.559	7.34
1C24070-CAL6	1000	185109	1.672	7.34
1C24070-CAL7	2000	350421	1.646	7.34
1C24070-CAL8	4000	667213	1.579	7.35
1C24070-CAL9	6000	949889	1.453	7.35
1C24070-CALA	8000	1203992	1.435	7.35

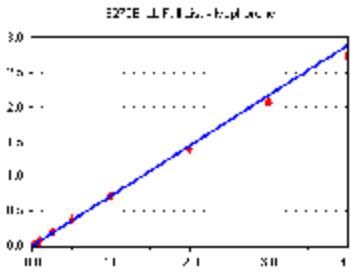
AVE RF **1.533** RF RSD **5.79** AVE RT **7.34**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Isophorone

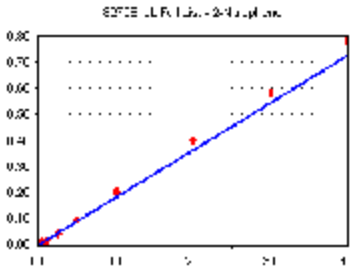


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	6043	0.656	7.57
1C24070-CAL2	50	16695	0.719	7.57
1C24070-CAL3	100	36263	0.773	7.57
1C24070-CAL4	200	70702	0.746	7.57
1C24070-CAL5	500	185554	0.770	7.57
1C24070-CAL6	1000	369505	0.740	7.57
1C24070-CAL7	2000	693793	0.727	7.58
1C24070-CAL8	4000	1323083	0.701	7.59
1C24070-CAL9	6000	1978077	0.687	7.60
1C24070-CALA	8000	2562484	0.687	7.61

AVE RF **0.721** RF RSD **5.28** AVE RT **7.58**

2-Nitrophenol

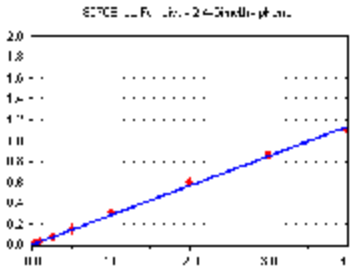


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~847~~	~~9.199~~	~~7.66~~
~~1C24070-CAL2~~	~~50~~	~~2875~~	~~0.124~~	~~7.66~~
1C24070-CAL3	100	6132	0.131	7.66
1C24070-CAL4	200	14774	0.156	7.66
1C24070-CAL5	500	43279	0.180	7.66
1C24070-CAL6	1000	96745	0.194	7.66
1C24070-CAL7	2000	192061	0.201	7.66
1C24070-CAL8	4000	380526	0.202	7.66
1C24070-CAL9	6000	561952	0.195	7.67
1C24070-CALA	8000	729486	0.196	7.67

AVE RF **0.182** RF RSD **14.07** AVE RT **7.66**

2,4-Dimethylphenol

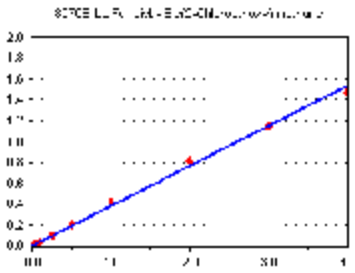


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~1791~~	~~0.195~~	~~7.70~~
1C24070-CAL2	50	5992	0.258	7.69
1C24070-CAL3	100	12308	0.262	7.69
1C24070-CAL4	200	25787	0.272	7.69
1C24070-CAL5	500	68253	0.283	7.69
1C24070-CAL6	1000	154751	0.310	7.69
1C24070-CAL7	2000	295251	0.309	7.70
1C24070-CAL8	4000	573051	0.303	7.70
1C24070-CAL9	6000	826771	0.287	7.71
1C24070-CALA	8000	1031101	0.276	7.71

AVE RF **0.285** RF RSD **6.87** AVE RT **7.70**

Bis(2-Chloroethoxy) methane



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2932	0.318	7.78
1C24070-CAL2	50	8580	0.369	7.78
1C24070-CAL3	100	17386	0.370	7.78
1C24070-CAL4	200	35177	0.371	7.78
1C24070-CAL5	500	98651	0.409	7.78
1C24070-CAL6	1000	209813	0.420	7.78
1C24070-CAL7	2000	402417	0.422	7.79
1C24070-CAL8	4000	766244	0.406	7.79
1C24070-CAL9	6000	1100856	0.382	7.80
1C24070-CALA	8000	1372140	0.368	7.80

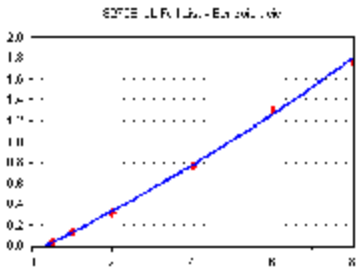
AVE RF **0.384** RF RSD **8.24** AVE RT **7.79**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Benzoic acid

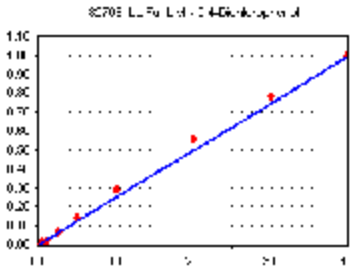


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~40~~	~~117~~	~~6.353~~	~~7.78~~
~~1C24070-CAL2~~	~~100~~	~~300~~	~~6.459~~	~~7.76~~
~~1C24070-CAL3~~	~~200~~	~~2277~~	~~2.425~~	~~7.73~~
~~1C24070-CAL4~~	~~400~~	~~8877~~	~~0.047~~	~~7.73~~
1C24070-CAL5	1000	33438	6.937	7.75
1C24070-CAL6	2000	140242	0.141	7.78
1C24070-CAL7	4000	303631	0.159	7.81
1C24070-CAL8	8000	724051	0.192	7.86
1C24070-CAL9	12000	1251724	0.217	7.89
1C24070-CALA	16000	1656740	0.222	7.92

AVE RF **0.167** RF RSD **34.43** AVE RT **7.84**

2,4-Dichlorophenol

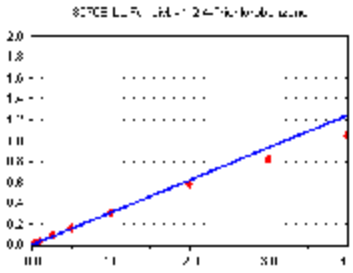


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~1618~~	~~0.176~~	~~7.91~~
1C24070-CAL2	50	4309	0.186	7.90
1C24070-CAL3	100	10107	0.215	7.91
1C24070-CAL4	200	20343	0.215	7.91
1C24070-CAL5	500	60917	0.253	7.90
1C24070-CAL6	1000	141034	0.283	7.90
1C24070-CAL7	2000	276315	0.290	7.91
1C24070-CAL8	4000	530139	0.281	7.91
1C24070-CAL9	6000	753586	0.262	7.91
1C24070-CALA	8000	932036	0.250	7.92

AVE RF **0.248** RF RSD **14.46** AVE RT **7.91**

1,2,4-Trichlorobenzene

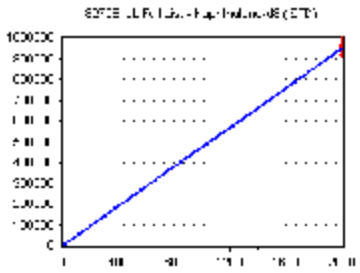


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3050	0.331	7.99
1C24070-CAL2	50	7390	0.318	7.99
1C24070-CAL3	100	15600	0.332	7.99
1C24070-CAL4	200	31901	0.337	7.99
1C24070-CAL5	500	79802	0.331	7.99
1C24070-CAL6	1000	158907	0.318	7.99
1C24070-CAL7	2000	301810	0.316	7.99
1C24070-CAL8	4000	551573	0.292	8.00
1C24070-CAL9	6000	783356	0.272	8.00
1C24070-CALA	8000	973495	0.261	8.00

AVE RF **0.311** RF RSD **8.61** AVE RT **7.99**

Naphthalene-d8 (ISTD)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	920770	460.385	8.05
1C24070-CAL2	2000	928928	464.464	8.05
1C24070-CAL3	2000	938808	469.404	8.05
1C24070-CAL4	2000	947171	473.586	8.05
1C24070-CAL5	2000	964081	482.041	8.05
1C24070-CAL6	2000	997998	498.999	8.05
1C24070-CAL7	2000	954067	477.033	8.05
1C24070-CAL8	2000	944216	472.108	8.06
1C24070-CAL9	2000	959507	479.753	8.06
1C24070-CALA	2000	932797	466.398	8.06

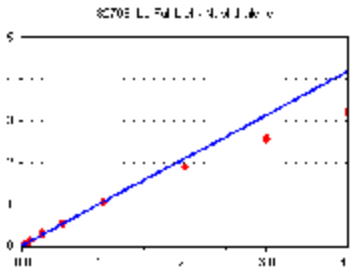
AVE RF **474.417** RF RSD **2.32** AVE RT **8.05**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Naphthalene

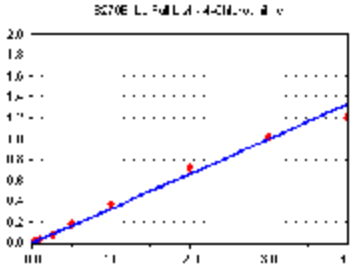


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	10204	1.108	8.07
1C24070-CAL2	50	26574	1.144	8.07
1C24070-CAL3	100	53598	1.142	8.07
1C24070-CAL4	200	110094	1.162	8.07
1C24070-CAL5	500	276355	1.147	8.07
1C24070-CAL6	1000	542003	1.086	8.07
1C24070-CAL7	2000	1008819	1.057	8.07
1C24070-CAL8	4000	1784870	0.945	8.08
1C24070-CAL9	6000	2463502	0.856	8.08
1C24070-CALA	8000	3010442	0.807	8.08

AVE RF **1.045** RF RSD **12.42** AVE RT **8.07**

4-Chloroaniline

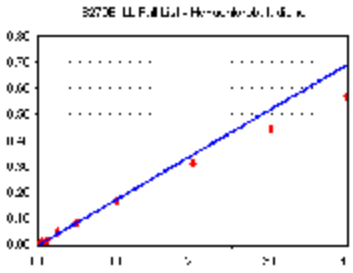


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	1801	0.196	8.11
1C24070-CAL2	50	5230	0.225	8.12
1C24070-CAL3	100	12892	0.275	8.11
1C24070-CAL4	200	27052	0.286	8.11
1C24070-CAL5	500	75404	0.313	8.11
1C24070-CAL6	1000	178394	0.358	8.11
1C24070-CAL7	2000	346392	0.363	8.12
1C24070-CAL8	4000	688755	0.365	8.12
1C24070-CAL9	6000	970408	0.337	8.13
1C24070-CALA	8000	1121713	0.301	8.14

AVE RF **0.302** RF RSD **19.24** AVE RT **8.12**

Hexachlorobutadiene

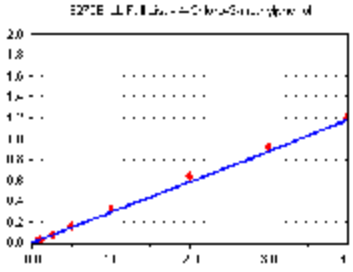


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	1980	0.215	8.19
1C24070-CAL2	50	4177	0.180	8.20
1C24070-CAL3	100	8449	0.180	8.20
1C24070-CAL4	200	17958	0.190	8.20
1C24070-CAL5	500	44044	0.183	8.20
1C24070-CAL6	1000	84930	0.170	8.20
1C24070-CAL7	2000	160115	0.168	8.20
1C24070-CAL8	4000	294380	0.156	8.20
1C24070-CAL9	6000	425553	0.148	8.20
1C24070-CALA	8000	531234	0.142	8.20

AVE RF **0.173** RF RSD **12.38** AVE RT **8.20**

4-Chloro-3-methylphenol



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~2140~~	~~0.232~~	~~8.60~~
~~1C24070-CAL2~~	~~50~~	~~5132~~	~~0.221~~	~~8.60~~
1C24070-CAL3	100	10986	0.234	8.60
1C24070-CAL4	200	23896	0.252	8.60
1C24070-CAL5	500	70757	0.294	8.60
1C24070-CAL6	1000	158646	0.318	8.60
1C24070-CAL7	2000	309260	0.324	8.60
1C24070-CAL8	4000	599352	0.317	8.60
1C24070-CAL9	6000	885629	0.308	8.60
1C24070-CALA	8000	1117636	0.300	8.61

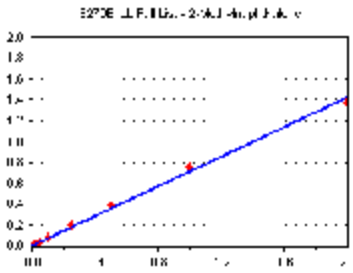
AVE RF **0.293** RF RSD **11.22** AVE RT **8.60**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

2-Methylnaphthalene

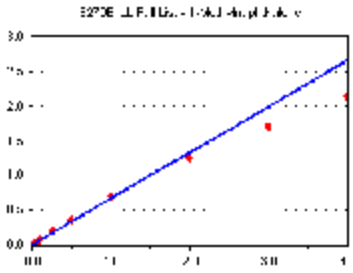


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	4879	0.530	8.77
1C24070-CAL2	50	16194	0.697	8.77
1C24070-CAL3	100	33235	0.708	8.77
1C24070-CAL4	200	68731	0.726	8.77
1C24070-CAL5	500	191672	0.795	8.77
1C24070-CAL6	1000	390397	0.782	8.77
1C24070-CAL7	2000	726591	0.762	8.77
1C24070-CAL8	4000	1298656	0.688	8.77
~~1C24070-CAL9~~	~~6000~~	~~1789528~~	~~0.622~~	~~8.78~~
~~1C24070-CALA~~	~~8000~~	~~2202432~~	~~0.590~~	~~8.78~~

AVE RF **0.711** RF RSD **11.71** AVE RT **8.77**

1-Methylnaphthalene

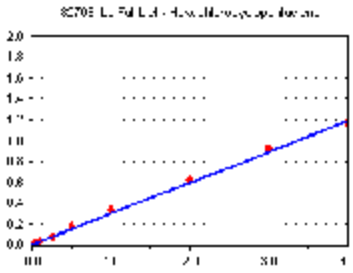


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	5241	0.569	8.87
1C24070-CAL2	50	16371	0.705	8.87
1C24070-CAL3	100	33744	0.719	8.87
1C24070-CAL4	200	71158	0.751	8.87
1C24070-CAL5	500	180314	0.748	8.87
1C24070-CAL6	1000	359989	0.721	8.87
1C24070-CAL7	2000	664024	0.696	8.87
1C24070-CAL8	4000	1180446	0.625	8.87
1C24070-CAL9	6000	1634256	0.568	8.88
1C24070-CALA	8000	2002772	0.537	8.88

AVE RF **0.664** RF RSD **12.26** AVE RT **8.87**

Hexachlorocyclopentadiene

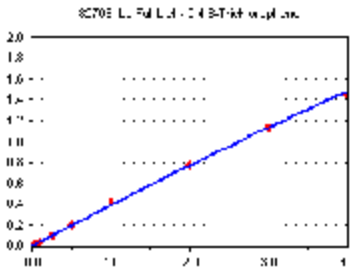


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~756~~	~~0.153~~	~~8.94~~
1C24070-CAL2	50	2730	0.220	8.94
1C24070-CAL3	100	5950	0.238	8.94
1C24070-CAL4	200	14605	0.288	8.94
1C24070-CAL5	500	38567	0.320	8.94
1C24070-CAL6	1000	87038	0.347	8.94
1C24070-CAL7	2000	161008	0.340	8.94
1C24070-CAL8	4000	302924	0.314	8.94
1C24070-CAL9	6000	453979	0.310	8.94
1C24070-CALA	8000	570106	0.296	8.94

AVE RF **0.297** RF RSD **14.53** AVE RT **8.94**

2,4,6-Trichlorophenol



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~1156~~	~~0.234~~	~~9.05~~
1C24070-CAL2	50	2915	0.235	9.06
1C24070-CAL3	100	7499	0.300	9.05
1C24070-CAL4	200	16903	0.333	9.05
1C24070-CAL5	500	46105	0.383	9.05
1C24070-CAL6	1000	99242	0.396	9.05
1C24070-CAL7	2000	200064	0.423	9.05
1C24070-CAL8	4000	376319	0.390	9.06
1C24070-CAL9	6000	551426	0.377	9.06
1C24070-CALA	8000	698638	0.362	9.06

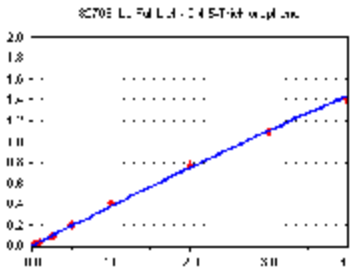
AVE RF **0.355** RF RSD **16.27** AVE RT **9.05**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

2,4,5-Trichlorophenol

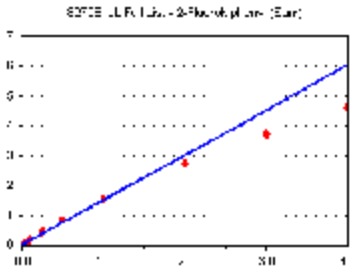


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~1163~~	~~0.235~~	~~9.09~~
1C24070-CAL2	50	3183	0.257	9.09
1C24070-CAL3	100	7495	0.299	9.09
1C24070-CAL4	200	17075	0.337	9.09
1C24070-CAL5	500	43387	0.360	9.09
1C24070-CAL6	1000	97291	0.388	9.09
1C24070-CAL7	2000	191869	0.405	9.09
1C24070-CAL8	4000	371910	0.385	9.09
1C24070-CAL9	6000	533766	0.365	9.09
1C24070-CALA	8000	676369	0.351	9.10

AVE RF **0.350** RF RSD **13.40** AVE RT **9.09**

2-Fluorobiphenyl (Surr)

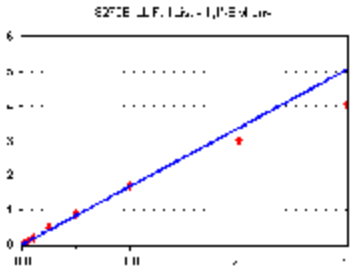


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~5784~~	~~1.171~~	~~9.14~~
1C24070-CAL2	50	19340	1.559	9.14
1C24070-CAL3	100	40821	1.631	9.14
1C24070-CAL4	200	87430	1.723	9.14
1C24070-CAL5	500	211898	1.758	9.14
1C24070-CAL6	1000	408702	1.631	9.14
1C24070-CAL7	2000	732844	1.549	9.14
1C24070-CAL8	4000	1315693	1.362	9.14
1C24070-CAL9	6000	1807643	1.235	9.15
1C24070-CALA	8000	2220340	1.151	9.15

AVE RF **1.511** RF RSD **14.15** AVE RT **9.14**

1,1'-Biphenyl

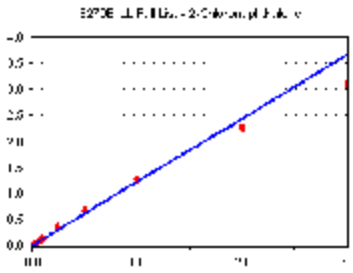


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7029	1.423	9.24
1C24070-CAL2	50	20856	1.681	9.24
1C24070-CAL3	100	45961	1.836	9.24
1C24070-CAL4	200	94473	1.862	9.24
1C24070-CAL5	500	230744	1.915	9.24
1C24070-CAL6	1000	457061	1.824	9.24
1C24070-CAL7	2000	819512	1.732	9.24
1C24070-CAL8	4000	1457533	1.509	9.24
1C24070-CAL9	6000	1973909	1.349	9.25
~~1C24070-CALA~~	~~8000~~	~~2417016~~	~~1.253~~	~~9.25~~

AVE RF **1.681** RF RSD **12.28** AVE RT **9.24**

2-Chloronaphthalene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	4914	0.995	9.26
1C24070-CAL2	50	14998	1.209	9.26
1C24070-CAL3	100	32390	1.294	9.26
1C24070-CAL4	200	67331	1.327	9.26
1C24070-CAL5	500	167214	1.387	9.26
1C24070-CAL6	1000	336733	1.344	9.26
1C24070-CAL7	2000	607258	1.283	9.26
1C24070-CAL8	4000	1099483	1.138	9.27
1C24070-CAL9	6000	1518819	1.038	9.27
~~1C24070-CALA~~	~~8000~~	~~1871078~~	~~0.970~~	~~9.27~~

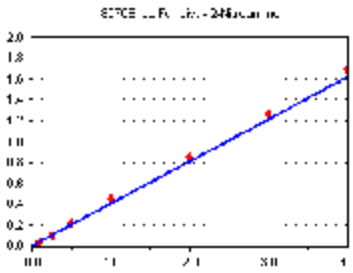
AVE RF **1.224** RF RSD **11.36** AVE RT **9.27**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

2-Nitroaniline

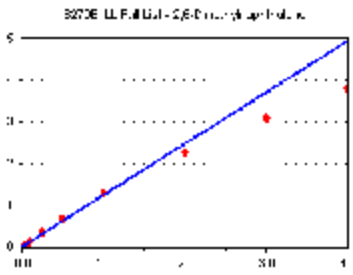


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~1222~~	~~0.247~~	~~9.35~~
~~1C24070-CAL2~~	~~50~~	~~2953~~	~~0.238~~	~~9.35~~
1C24070-CAL3	100	7972	0.319	9.35
1C24070-CAL4	200	18250	0.360	9.35
1C24070-CAL5	500	48905	0.406	9.36
1C24070-CAL6	1000	108055	0.431	9.36
1C24070-CAL7	2000	214623	0.454	9.36
1C24070-CAL8	4000	413958	0.429	9.37
1C24070-CAL9	6000	614420	0.420	9.37
1C24070-CALA	8000	820280	0.425	9.38

AVE RF **0.405** RF RSD **10.94** AVE RT **9.36**

2,6-Dimethylnaphthalene

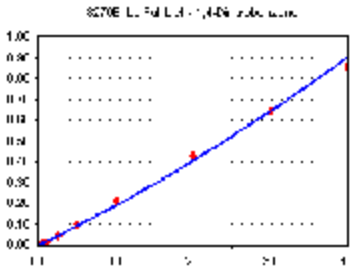


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	5487	1.111	9.40
1C24070-CAL2	50	16881	1.361	9.40
1C24070-CAL3	100	33729	1.348	9.40
1C24070-CAL4	200	70694	1.393	9.40
1C24070-CAL5	500	171247	1.421	9.40
1C24070-CAL6	1000	336422	1.342	9.40
1C24070-CAL7	2000	616984	1.304	9.40
1C24070-CAL8	4000	1090035	1.129	9.41
1C24070-CAL9	6000	1499661	1.025	9.41
1C24070-CALA	8000	1842841	0.956	9.41

AVE RF **1.239** RF RSD **13.54** AVE RT **9.40**

1,4-Dinitrobenzene

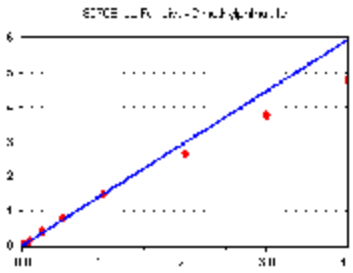


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~409~~	~~8.280~~	~~9.48~~
1C24070-CAL2	50	1067	0.086	9.48
1C24070-CAL3	100	2880	0.115	9.48
1C24070-CAL4	200	6825	0.135	9.48
1C24070-CAL5	500	19936	0.165	9.48
1C24070-CAL6	1000	47790	0.191	9.48
1C24070-CAL7	2000	99210	0.210	9.49
1C24070-CAL8	4000	206015	0.213	9.49
1C24070-CAL9	6000	314436	0.215	9.50
1C24070-CALA	8000	412079	0.214	9.50

AVE RF **0.171** RF RSD **28.52** AVE RT **9.49**

Dimethylphthalate



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	8064	1.632	9.53
1C24070-CAL2	50	19451	1.568	9.54
1C24070-CAL3	100	39784	1.589	9.54
1C24070-CAL4	200	82369	1.623	9.54
1C24070-CAL5	500	195849	1.625	9.54
1C24070-CAL6	1000	387457	1.546	9.54
1C24070-CAL7	2000	710395	1.501	9.54
1C24070-CAL8	4000	1291185	1.337	9.55
1C24070-CAL9	6000	1835656	1.254	9.56
1C24070-CALA	8000	2301729	1.194	9.57

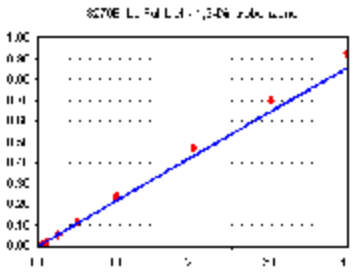
AVE RF **1.487** RF RSD **11.03** AVE RT **9.54**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

1,3-Dinitrobenzene

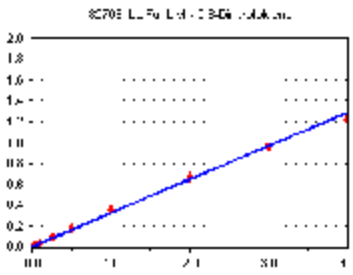


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~467~~	~~9.454~~	~~9.56~~
~~1C24070-CAL2~~	~~50~~	~~1476~~	~~0.119~~	~~9.56~~
1C24070-CAL3	100	3776	0.151	9.56
1C24070-CAL4	200	9585	0.189	9.57
1C24070-CAL5	500	25181	0.209	9.56
1C24070-CAL6	1000	57088	0.228	9.57
1C24070-CAL7	2000	111777	0.236	9.57
1C24070-CAL8	4000	227068	0.235	9.58
1C24070-CAL9	6000	340728	0.233	9.59
1C24070-CALA	8000	446229	0.231	9.60

AVE RF **0.214** RF RSD **14.16** AVE RT **9.58**

2,6-Dinitrotoluene

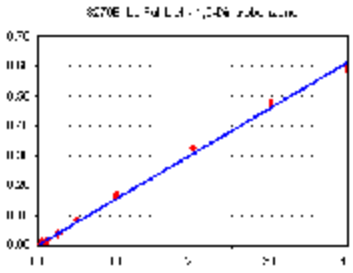


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~969~~	~~0.196~~	~~9.60~~
1C24070-CAL2	50	3374	0.272	9.60
1C24070-CAL3	100	7248	0.290	9.60
1C24070-CAL4	200	16203	0.319	9.60
1C24070-CAL5	500	43328	0.360	9.60
1C24070-CAL6	1000	88341	0.352	9.60
1C24070-CAL7	2000	166689	0.352	9.61
1C24070-CAL8	4000	322899	0.334	9.61
1C24070-CAL9	6000	471497	0.322	9.62
1C24070-CALA	8000	587792	0.305	9.62

AVE RF **0.323** RF RSD **9.32** AVE RT **9.60**

1,2-Dinitrobenzene

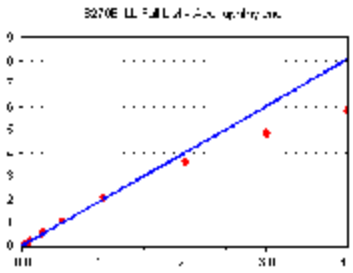


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~504~~	~~0.102~~	~~9.65~~
1C24070-CAL2	50	1521	0.123	9.65
1C24070-CAL3	100	3582	0.143	9.65
1C24070-CAL4	200	7709	0.152	9.65
1C24070-CAL5	500	19056	0.158	9.65
1C24070-CAL6	1000	41174	0.164	9.66
1C24070-CAL7	2000	79391	0.168	9.67
1C24070-CAL8	4000	157256	0.163	9.68
1C24070-CAL9	6000	231750	0.158	9.68
1C24070-CALA	8000	283746	0.147	9.69

AVE RF **0.153** RF RSD **9.12** AVE RT **9.67**

Acenaphthylene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	9642	1.952	9.69
1C24070-CAL2	50	27365	2.206	9.69
1C24070-CAL3	100	55252	2.207	9.69
1C24070-CAL4	200	115558	2.277	9.69
1C24070-CAL5	500	280347	2.326	9.69
1C24070-CAL6	1000	540967	2.159	9.69
1C24070-CAL7	2000	994437	2.102	9.69
1C24070-CAL8	4000	1758057	1.820	9.70
1C24070-CAL9	6000	2382871	1.628	9.70
1C24070-CALA	8000	2802703	1.454	9.70

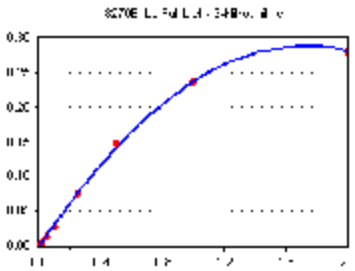
AVE RF **2.013** RF RSD **14.57** AVE RT **9.69**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

3-Nitroaniline

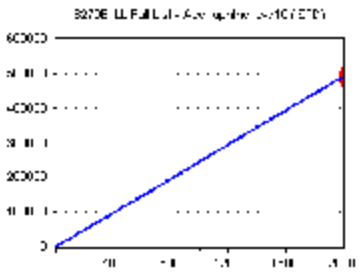


Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	960	0.194	9.77
1C24070-CAL2	50	2669	0.215	9.77
1C24070-CAL3	100	6744	0.269	9.77
1C24070-CAL4	200	14350	0.283	9.77
1C24070-CAL5	500	35623	0.296	9.77
1C24070-CAL6	1000	73851	0.295	9.77
1C24070-CAL7	2000	111835	0.236	9.78
1C24070-CAL8	4000	135268	0.140	9.78
~~1C24070-CAL9~~	~~6000~~	~~117082~~	~~8.001~~	~~9.79~~
~~1C24070-CALA~~	~~8000~~	~~166355~~	~~8.627~~	~~9.79~~

AVE RF **0.241** RF RSD **22.98** AVE RT **9.77**

Acenaphthene-d10 (ISTD)

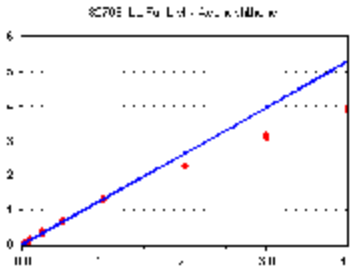


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	493976	246.988	9.83
1C24070-CAL2	2000	496260	248.130	9.83
1C24070-CAL3	2000	500590	250.295	9.84
1C24070-CAL4	2000	507390	253.695	9.84
1C24070-CAL5	2000	482081	241.040	9.84
1C24070-CAL6	2000	501241	250.620	9.84
1C24070-CAL7	2000	473185	236.593	9.84
1C24070-CAL8	2000	482898	241.449	9.84
1C24070-CAL9	2000	487756	243.878	9.84
1C24070-CALA	2000	482060	241.030	9.84

AVE RF **245.372** RF RSD **2.21** AVE RT **9.84**

Acenaphthene

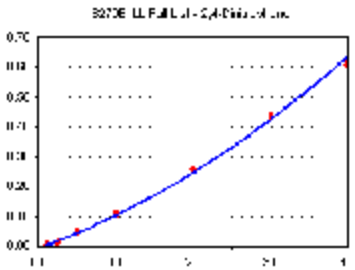


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7304	1.479	9.86
1C24070-CAL2	50	18226	1.469	9.86
1C24070-CAL3	100	37243	1.488	9.87
1C24070-CAL4	200	74762	1.473	9.87
1C24070-CAL5	500	174573	1.448	9.87
1C24070-CAL6	1000	341823	1.364	9.87
1C24070-CAL7	2000	614926	1.300	9.87
1C24070-CAL8	4000	1092378	1.131	9.87
1C24070-CAL9	6000	1524778	1.042	9.88
1C24070-CALA	8000	1897285	0.984	9.88

AVE RF **1.318** RF RSD **14.83** AVE RT **9.87**

2,4-Dinitrophenol



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~0~~	~~0.000~~	~~0.00~~
~~1C24070-CAL2~~	~~50~~	~~0~~	~~0.000~~	~~0.00~~
~~1C24070-CAL3~~	~~100~~	~~228~~	~~9.109~~	~~9.87~~
1C24070-CAL4	200	1464	2.885	9.88
1C24070-CAL5	500	5964	4.949	9.88
1C24070-CAL6	1000	22216	8.864	9.88
1C24070-CAL7	2000	52359	0.111	9.88
1C24070-CAL8	4000	123986	0.128	9.89
1C24070-CAL9	6000	213004	0.146	9.90
1C24070-CALA	8000	292920	0.152	9.90

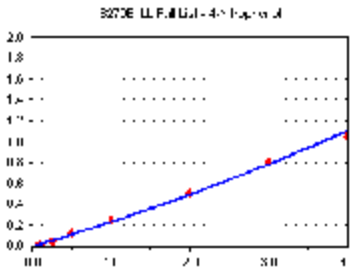
AVE RF **0.100** RF RSD **47.08** AVE RT **9.89**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

4-Nitrophenol

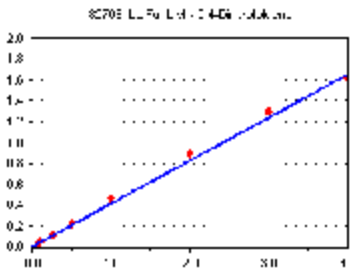


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~336~~	~~0.068~~	~~9.93~~
~~1C24070-CAL2~~	~~50~~	~~738~~	~~5.948~~	~~9.94~~
1C24070-CAL3	100	2327	0.093	9.93
1C24070-CAL4	200	6785	0.134	9.93
1C24070-CAL5	500	20340	0.169	9.93
1C24070-CAL6	1000	57262	0.228	9.93
1C24070-CAL7	2000	116497	0.246	9.93
1C24070-CAL8	4000	244683	0.253	9.94
1C24070-CAL9	6000	389732	0.266	9.95
1C24070-CALA	8000	506734	0.263	9.96

AVE RF **0.207** RF RSD **32.01** AVE RT **9.94**

2,4-Dinitrotoluene

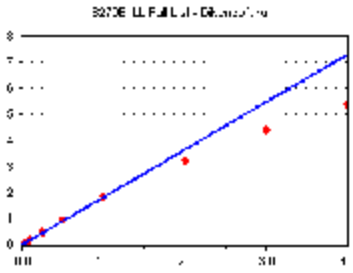


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~1342~~	~~0.272~~	~~10.01~~
~~1C24070-CAL2~~	~~50~~	~~2924~~	~~0.236~~	~~10.01~~
1C24070-CAL3	100	7406	0.296	10.01
1C24070-CAL4	200	19335	0.381	10.01
1C24070-CAL5	500	52174	0.433	10.01
1C24070-CAL6	1000	111259	0.444	10.01
1C24070-CAL7	2000	219692	0.464	10.02
1C24070-CAL8	4000	435395	0.451	10.02
1C24070-CAL9	6000	635130	0.434	10.03
1C24070-CALA	8000	781091	0.405	10.04

AVE RF **0.414** RF RSD **13.14** AVE RT **10.02**

Dibenzofuran

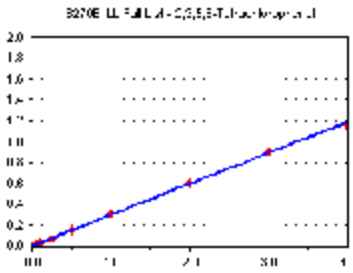


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	9612	1.946	10.04
1C24070-CAL2	50	25503	2.056	10.04
1C24070-CAL3	100	50615	2.022	10.04
1C24070-CAL4	200	103938	2.048	10.04
1C24070-CAL5	500	239317	1.986	10.04
1C24070-CAL6	1000	479051	1.911	10.04
1C24070-CAL7	2000	878131	1.856	10.04
1C24070-CAL8	4000	1571796	1.627	10.05
1C24070-CAL9	6000	2152452	1.471	10.05
1C24070-CALA	8000	2604121	1.351	10.06

AVE RF **1.827** RF RSD **13.90** AVE RT **10.04**

2,3,5,6-Tetrachlorophenol



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~742~~	~~0.150~~	~~10.12~~
1C24070-CAL2	50	1856	0.150	10.12
1C24070-CAL3	100	5246	0.210	10.12
1C24070-CAL4	200	13183	0.260	10.12
1C24070-CAL5	500	32431	0.269	10.12
1C24070-CAL6	1000	76335	0.305	10.12
1C24070-CAL7	2000	148555	0.314	10.12
1C24070-CAL8	4000	291048	0.301	10.13
1C24070-CAL9	6000	436620	0.298	10.13
1C24070-CALA	8000	559549	0.290	10.14

AVE RF **0.266** RF RSD **20.33** AVE RT **10.12**

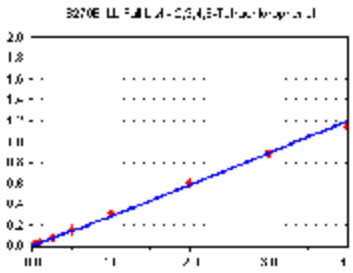
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

2,3,4,6-Tetrachlorophenol

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

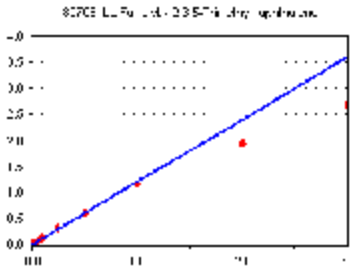


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	867	0.176	10.16
1C24070-CAL2	50	2288	0.184	10.17
1C24070-CAL3	100	5452	0.218	10.16
1C24070-CAL4	200	13864	0.273	10.16
1C24070-CAL5	500	34218	0.284	10.17
1C24070-CAL6	1000	77816	0.310	10.16
1C24070-CAL7	2000	148015	0.313	10.17
1C24070-CAL8	4000	291376	0.302	10.17
1C24070-CAL9	6000	432440	0.296	10.18
1C24070-CALA	8000	550775	0.286	10.18

AVE RF **0.264** RF RSD **19.64** AVE RT **10.17**

2,3,5-Trimethylnaphthalene

Curve Fit: **AVERAGE RF**

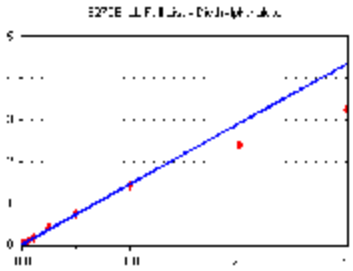


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	6467	1.309	10.25
1C24070-CAL2	50	16225	1.308	10.25
1C24070-CAL3	100	32373	1.293	10.25
1C24070-CAL4	200	66712	1.315	10.25
1C24070-CAL5	500	160871	1.335	10.25
1C24070-CAL6	1000	308126	1.229	10.25
1C24070-CAL7	2000	555760	1.175	10.25
1C24070-CAL8	4000	939966	0.973	10.26
1C24070-CAL9	6000	1304327	0.891	10.26
~~1C24070-CALA~~	~~8000~~	~~1591355~~	~~0.825~~	~~10.26~~

AVE RF **1.203** RF RSD **13.52** AVE RT **10.25**

Diethylphthalate

Curve Fit: **AVERAGE RF**

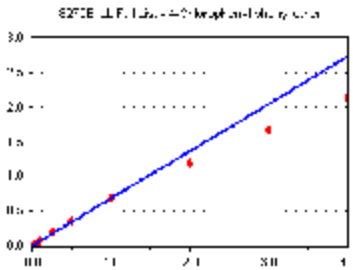


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7709	1.561	10.25
1C24070-CAL2	50	18614	1.500	10.25
1C24070-CAL3	100	39292	1.570	10.25
1C24070-CAL4	200	83019	1.636	10.25
1C24070-CAL5	500	193496	1.606	10.25
1C24070-CAL6	1000	376279	1.501	10.25
1C24070-CAL7	2000	676394	1.429	10.26
1C24070-CAL8	4000	1157892	1.199	10.26
1C24070-CAL9	6000	1584116	1.083	10.27
~~1C24070-CALA~~	~~8000~~	~~1910048~~	~~0.991~~	~~10.27~~

AVE RF **1.454** RF RSD **13.07** AVE RT **10.26**

4-Chlorophenyl phenyl ether

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	3709	0.751	10.38
1C24070-CAL2	50	8977	0.724	10.38
1C24070-CAL3	100	18219	0.728	10.38
1C24070-CAL4	200	39269	0.774	10.38
1C24070-CAL5	500	90973	0.755	10.38
1C24070-CAL6	1000	178433	0.712	10.38
1C24070-CAL7	2000	320907	0.678	10.39
1C24070-CAL8	4000	572371	0.593	10.39
1C24070-CAL9	6000	818015	0.559	10.39
1C24070-CALA	8000	1025574	0.532	10.39

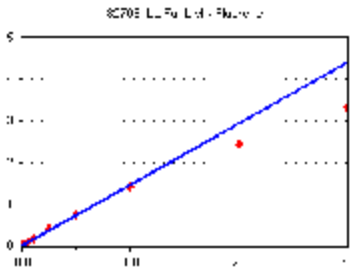
AVE RF **0.680** RF RSD **12.85** AVE RT **10.38**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Fluorene

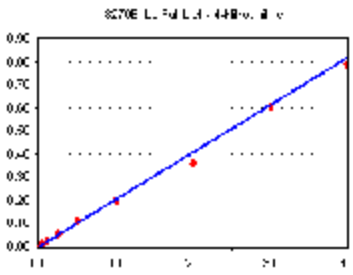


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	8031	1.626	10.39
1C24070-CAL2	50	19121	1.541	10.39
1C24070-CAL3	100	39810	1.591	10.39
1C24070-CAL4	200	82481	1.626	10.39
1C24070-CAL5	500	191915	1.592	10.39
1C24070-CAL6	1000	373120	1.489	10.39
1C24070-CAL7	2000	670347	1.417	10.39
1C24070-CAL8	4000	1169671	1.211	10.40
1C24070-CAL9	6000	1621372	1.108	10.40
~~1C24070-CALA~~	~~8000~~	~~1979525~~	~~1.027~~	~~10.41~~

AVE RF **1.467** RF RSD **12.85** AVE RT **10.39**

4-Nitroaniline

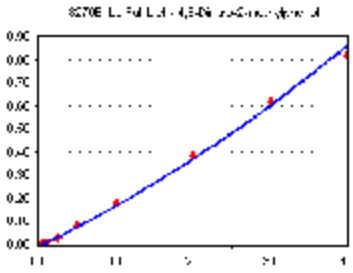


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~877~~	~~0.178~~	~~10.39~~
1C24070-CAL2	50	2231	0.180	10.39
1C24070-CAL3	100	4945	0.198	10.39
1C24070-CAL4	200	12495	0.246	10.39
1C24070-CAL5	500	25451	0.211	10.39
1C24070-CAL6	1000	55864	0.223	10.40
1C24070-CAL7	2000	95184	0.201	10.40
1C24070-CAL8	4000	174269	0.180	10.41
1C24070-CAL9	6000	295150	0.202	10.42
1C24070-CALA	8000	380890	0.198	10.42

AVE RF **0.204** RF RSD **10.14** AVE RT **10.40**

4,6-Dinitro-2-methylphenol

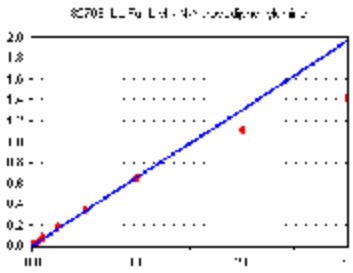


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~0~~	~~0.000~~	~~0.00~~
~~1C24070-CAL2~~	~~50~~	~~475~~	~~3.829~~	~~10.43~~
1C24070-CAL3	100	1375	5.494	10.43
1C24070-CAL4	200	4595	0.091	10.43
1C24070-CAL5	500	14475	0.120	10.43
1C24070-CAL6	1000	41913	0.167	10.43
1C24070-CAL7	2000	84688	0.179	10.44
1C24070-CAL8	4000	185915	0.192	10.44
1C24070-CAL9	6000	301800	0.206	10.45
1C24070-CALA	8000	394880	0.205	10.46

AVE RF **0.152** RF RSD **37.35** AVE RT **10.44**

N-Nitrosodiphenylamine



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	5745	0.650	10.50
1C24070-CAL2	50	14246	0.692	10.50
1C24070-CAL3	100	30982	0.719	10.50
1C24070-CAL4	200	65143	0.726	10.50
1C24070-CAL5	500	154755	0.727	10.50
1C24070-CAL6	1000	308686	0.683	10.50
1C24070-CAL7	2000	570764	0.660	10.50
1C24070-CAL8	4000	978212	0.558	10.51
1C24070-CAL9	6000	1283093	0.474	10.52
~~1C24070-CALA~~	~~8000~~	~~1624535~~	~~0.454~~	~~10.52~~

AVE RF **0.654** RF RSD **13.12** AVE RT **10.50**

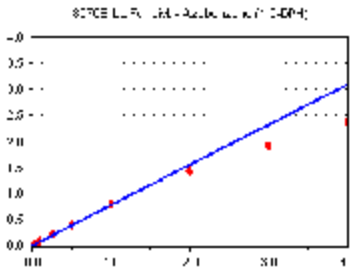
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Azobenzene (1,2-DPH)

Curve Fit: **AVERAGE RF**

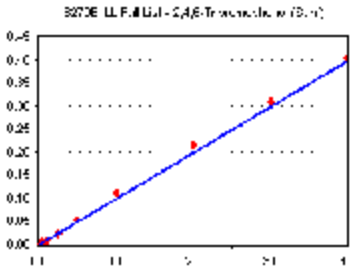


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	6593	0.746	10.54
1C24070-CAL2	50	16464	0.800	10.54
1C24070-CAL3	100	36655	0.850	10.54
1C24070-CAL4	200	79674	0.889	10.54
1C24070-CAL5	500	186689	0.878	10.54
1C24070-CAL6	1000	378664	0.838	10.54
1C24070-CAL7	2000	690731	0.799	10.55
1C24070-CAL8	4000	1248657	0.712	10.55
1C24070-CAL9	6000	1739247	0.642	10.55
1C24070-CALA	8000	2126324	0.594	10.56

AVE RF **0.775** RF RSD **12.88** AVE RT **10.55**

2,4,6-Tribromophenol (Surr)

Curve Fit: **AVERAGE RF**

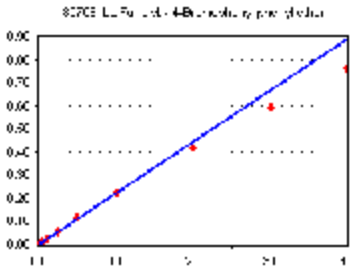


Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~568~~	~~6.425~~	~~10.63~~
1C24070-CAL2	50	1586	7.703	10.63
1C24070-CAL3	100	3692	0.086	10.63
1C24070-CAL4	200	8757	9.766	10.64
1C24070-CAL5	500	21634	0.102	10.64
1C24070-CAL6	1000	49055	0.109	10.64
1C24070-CAL7	2000	95969	0.111	10.64
1C24070-CAL8	4000	189111	0.108	10.64
1C24070-CAL9	6000	279858	0.103	10.65
1C24070-CALA	8000	360557	0.101	10.65

AVE RF **9.928** RF RSD **11.30** AVE RT **10.64**

4-Bromophenyl phenyl ether

Curve Fit: **AVERAGE RF**

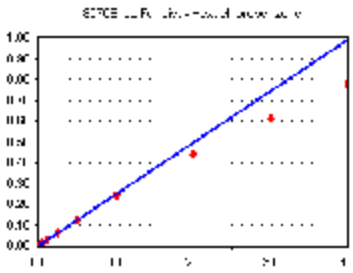


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2109	0.239	10.88
1C24070-CAL2	50	4769	0.232	10.88
1C24070-CAL3	100	10036	0.233	10.88
1C24070-CAL4	200	21374	0.238	10.88
1C24070-CAL5	500	50139	0.236	10.88
1C24070-CAL6	1000	104172	0.231	10.88
1C24070-CAL7	2000	194280	0.225	10.88
1C24070-CAL8	4000	367817	0.210	10.89
1C24070-CAL9	6000	535577	0.198	10.90
1C24070-CALA	8000	684786	0.191	10.90

AVE RF **0.223** RF RSD **7.76** AVE RT **10.89**

Hexachlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	2310	0.261	10.96
1C24070-CAL2	50	5958	0.289	10.96
1C24070-CAL3	100	11499	0.267	10.96
1C24070-CAL4	200	24775	0.276	10.96
1C24070-CAL5	500	57110	0.268	10.96
1C24070-CAL6	1000	111069	0.246	10.96
1C24070-CAL7	2000	210095	0.243	10.97
1C24070-CAL8	4000	381835	0.218	10.98
1C24070-CAL9	6000	551991	0.204	10.98
1C24070-CALA	8000	697258	0.195	10.98

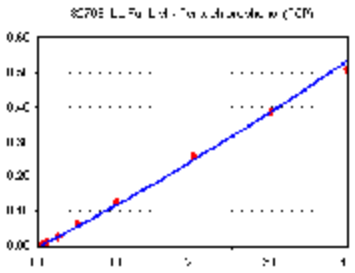
AVE RF **0.247** RF RSD **12.95** AVE RT **10.97**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Pentachlorophenol (PCP)

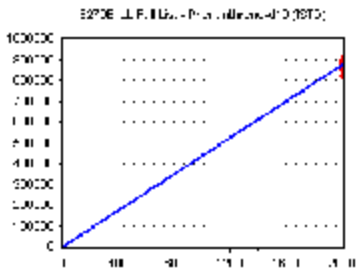


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~420~~	~~4.751~~	~~11.16~~
1C24070-CAL2	50	737	3.580	11.16
1C24070-CAL3	100	2523	5.852	11.16
1C24070-CAL4	200	7479	8.341	11.16
1C24070-CAL5	500	21227	9.978	11.16
1C24070-CAL6	1000	55284	0.122	11.16
1C24070-CAL7	2000	109039	0.126	11.16
1C24070-CAL8	4000	226251	0.129	11.16
1C24070-CAL9	6000	347473	0.128	11.17
1C24070-CALA	8000	455650	0.127	11.17

AVE RF **0.101** RF RSD **34.37** AVE RT **11.16**

Phenanthrene-d10 (ISTD)

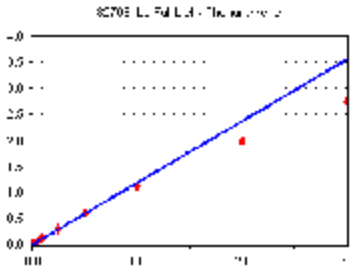


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	884011	442.006	11.35
1C24070-CAL2	2000	823559	411.779	11.35
1C24070-CAL3	2000	862229	431.114	11.35
1C24070-CAL4	2000	896700	448.350	11.36
1C24070-CAL5	2000	850942	425.471	11.36
1C24070-CAL6	2000	903316	451.658	11.36
1C24070-CAL7	2000	864441	432.221	11.36
1C24070-CAL8	2000	876286	438.143	11.36
1C24070-CAL9	2000	903214	451.607	11.36
1C24070-CALA	2000	895498	447.749	11.36

AVE RF **438.010** RF RSD **2.96** AVE RT **11.35**

Phenanthrene

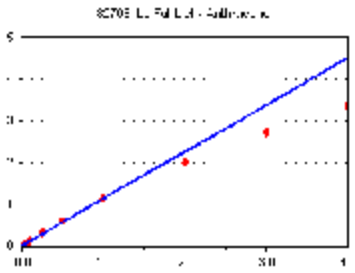


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	11499	1.301	11.37
1C24070-CAL2	50	27303	1.326	11.37
1C24070-CAL3	100	55963	1.298	11.38
1C24070-CAL4	200	115986	1.293	11.38
1C24070-CAL5	500	265680	1.249	11.38
1C24070-CAL6	1000	541476	1.199	11.38
1C24070-CAL7	2000	973609	1.126	11.38
1C24070-CAL8	4000	1745887	0.996	11.38
1C24070-CAL9	6000	2474384	0.913	11.39
~~1C24070-CALA~~	~~8000~~	~~3024461~~	~~0.844~~	~~11.39~~

AVE RF **1.189** RF RSD **12.44** AVE RT **11.38**

Anthracene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	10802	1.222	11.42
1C24070-CAL2	50	24908	1.210	11.42
1C24070-CAL3	100	53555	1.242	11.42
1C24070-CAL4	200	114846	1.281	11.42
1C24070-CAL5	500	264547	1.244	11.43
1C24070-CAL6	1000	544360	1.205	11.43
1C24070-CAL7	2000	981461	1.135	11.43
1C24070-CAL8	4000	1763580	1.006	11.44
1C24070-CAL9	6000	2459789	0.908	11.44
1C24070-CALA	8000	2992028	0.835	11.44

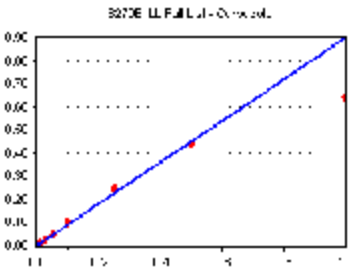
AVE RF **1.129** RF RSD **13.86** AVE RT **11.43**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Carbazole

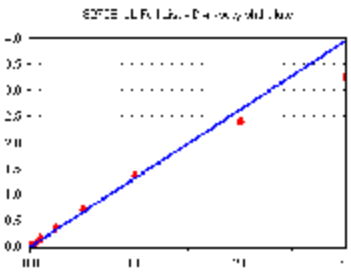


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7728	0.874	11.58
1C24070-CAL2	50	18728	0.910	11.58
1C24070-CAL3	100	41480	0.962	11.58
1C24070-CAL4	200	92525	1.032	11.59
1C24070-CAL5	500	210503	0.990	11.59
1C24070-CAL6	1000	396208	0.877	11.59
1C24070-CAL7	2000	554728	0.642	11.59
~~1C24070-CAL8~~	~~4000~~	~~633123~~	~~0.361~~	~~11.59~~
~~1C24070-CAL9~~	~~6000~~	~~635056~~	~~0.234~~	~~11.59~~
~~1C24070-CALA~~	~~8000~~	~~833532~~	~~0.233~~	~~11.59~~

AVE RF **0.898** RF RSD **14.17** AVE RT **11.58**

Di-n-butylphthalate

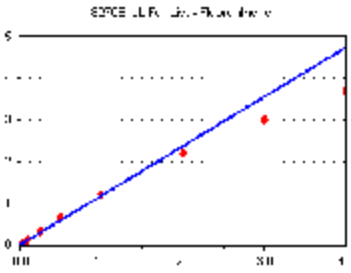


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	11284	1.276	11.93
1C24070-CAL2	50	26447	1.285	11.92
1C24070-CAL3	100	56931	1.321	11.93
1C24070-CAL4	200	128000	1.427	11.93
1C24070-CAL5	500	310858	1.461	11.93
1C24070-CAL6	1000	647813	1.434	11.93
1C24070-CAL7	2000	1175411	1.360	11.93
1C24070-CAL8	4000	2108057	1.203	11.93
1C24070-CAL9	6000	2948757	1.088	11.93
~~1C24070-CALA~~	~~8000~~	~~3527838~~	~~0.985~~	~~11.94~~

AVE RF **1.317** RF RSD **9.17** AVE RT **11.93**

Fluoranthene

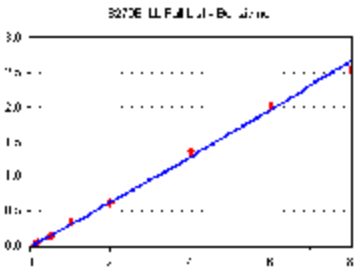


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	11020	1.247	12.69
1C24070-CAL2	50	24339	1.182	12.69
1C24070-CAL3	100	54064	1.254	12.69
1C24070-CAL4	200	117130	1.306	12.69
1C24070-CAL5	500	284726	1.338	12.69
1C24070-CAL6	1000	573950	1.271	12.69
1C24070-CAL7	2000	1062017	1.229	12.69
1C24070-CAL8	4000	1917086	1.094	12.70
1C24070-CAL9	6000	2721044	1.004	12.71
1C24070-CALA	8000	3316515	0.926	12.71

AVE RF **1.185** RF RSD **11.40** AVE RT **12.69**

Benzidine



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~40~~	~~2120~~	~~0.120~~	~~12.85~~
~~1C24070-CAL2~~	~~100~~	~~5655~~	~~0.137~~	~~12.84~~
1C24070-CAL3	200	16462	0.191	12.85
1C24070-CAL4	400	43100	0.240	12.85
1C24070-CAL5	1000	107132	0.252	12.85
1C24070-CAL6	2000	302118	0.334	12.85
1C24070-CAL7	4000	529814	0.306	12.85
1C24070-CAL8	8000	1194139	0.341	12.86
1C24070-CAL9	12000	1817296	0.335	12.86
1C24070-CALA	16000	2271653	0.317	12.87

AVE RF **0.290** RF RSD **19.07** AVE RT **12.85**

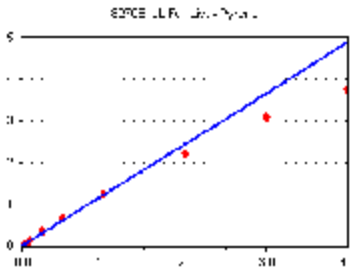
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Pyrene

Curve Fit: **AVERAGE RF**

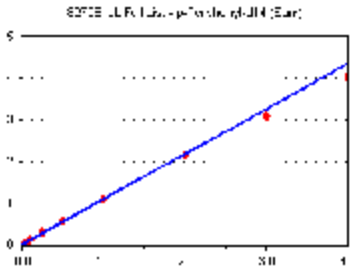


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	11234	1.271	13.00
1C24070-CAL2	50	26774	1.300	13.00
1C24070-CAL3	100	56586	1.313	13.00
1C24070-CAL4	200	121068	1.350	13.00
1C24070-CAL5	500	288747	1.357	13.00
1C24070-CAL6	1000	582957	1.291	13.00
1C24070-CAL7	2000	1068281	1.236	13.01
1C24070-CAL8	4000	1947488	1.111	13.01
1C24070-CAL9	6000	2795059	1.032	13.02
1C24070-CALA	8000	3372309	0.941	13.02

AVE RF **1.220** RF RSD **11.71** AVE RT **13.01**

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

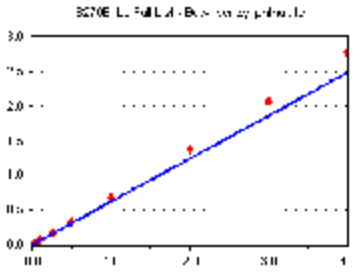


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	8027	0.973	13.21
1C24070-CAL2	50	19008	1.057	13.22
1C24070-CAL3	100	42991	1.116	13.22
1C24070-CAL4	200	96821	1.171	13.22
1C24070-CAL5	500	223646	1.185	13.22
1C24070-CAL6	1000	455986	1.130	13.22
1C24070-CAL7	2000	830421	1.121	13.22
1C24070-CAL8	4000	1511965	1.083	13.23
1C24070-CAL9	6000	2189690	1.030	13.23
1C24070-CALA	8000	2647760	1.010	13.24

AVE RF **1.087** RF RSD **6.42** AVE RT **13.22**

Butyl benzyl phthalate

Curve Fit: **AVERAGE RF**

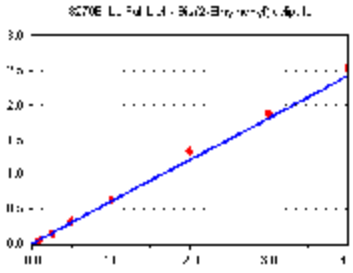


Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~3416~~	~~0.414~~	~~14.09~~
1C24070-CAL2	50	8301	0.461	14.09
1C24070-CAL3	100	19398	0.504	14.09
1C24070-CAL4	200	47301	0.572	14.09
1C24070-CAL5	500	117801	0.624	14.09
1C24070-CAL6	1000	265202	0.657	14.09
1C24070-CAL7	2000	504237	0.681	14.09
1C24070-CAL8	4000	963306	0.690	14.10
1C24070-CAL9	6000	1459304	0.686	14.10
1C24070-CALA	8000	1813572	0.692	14.11

AVE RF **0.619** RF RSD **14.05** AVE RT **14.09**

Bis(2-Ethylhexyl) adipate

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~2920~~	~~0.354~~	~~14.27~~
~~1C24070-CAL2~~	~~50~~	~~6382~~	~~0.355~~	~~14.27~~
1C24070-CAL3	100	18545	0.481	14.27
1C24070-CAL4	200	45040	0.545	14.28
1C24070-CAL5	500	112526	0.596	14.28
1C24070-CAL6	1000	259090	0.642	14.28
1C24070-CAL7	2000	474052	0.640	14.28
1C24070-CAL8	4000	923974	0.662	14.29
1C24070-CAL9	6000	1337993	0.629	14.29
1C24070-CALA	8000	1662403	0.634	14.30

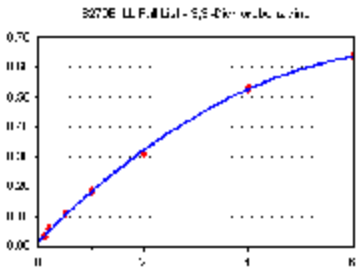
AVE RF **0.604** RF RSD **10.12** AVE RT **14.28**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

3,3'-Dichlorobenzidine

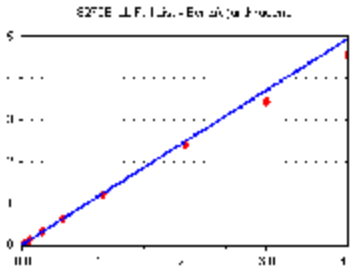


Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~40~~	~~4007~~	~~0.243~~	~~15.26~~
~~1C24070-CAL2~~	~~100~~	~~9914~~	~~0.276~~	~~15.25~~
1C24070-CAL3	200	23911	0.310	15.26
1C24070-CAL4	400	47744	0.289	15.26
1C24070-CAL5	1000	79697	0.211	15.26
1C24070-CAL6	2000	145288	0.180	15.27
1C24070-CAL7	4000	229505	0.155	15.28
1C24070-CAL8	8000	370497	0.133	15.29
1C24070-CAL9	12000	449986	0.106	15.29
~~1C24070-CALA~~	~~16000~~	~~671279~~	~~0.128~~	~~0.00~~

AVE RF **0.198** RF RSD **39.19** AVE RT **15.27**

Benz(a)anthracene

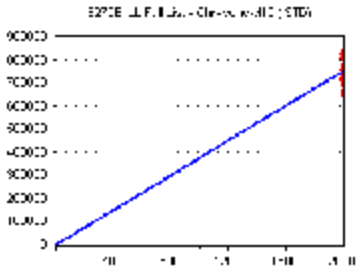


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	11089	1.344	15.31
1C24070-CAL2	50	22793	1.267	15.30
1C24070-CAL3	100	49691	1.290	15.30
1C24070-CAL4	200	105815	1.280	15.31
1C24070-CAL5	500	235854	1.250	15.30
1C24070-CAL6	1000	494376	1.225	15.31
1C24070-CAL7	2000	905655	1.223	15.31
1C24070-CAL8	4000	1674142	1.199	15.32
1C24070-CAL9	6000	2429437	1.142	15.33
1C24070-CALA	8000	2987616	1.139	15.33

AVE RF **1.236** RF RSD **5.22** AVE RT **15.31**

Chrysene-d12 (ISTD)

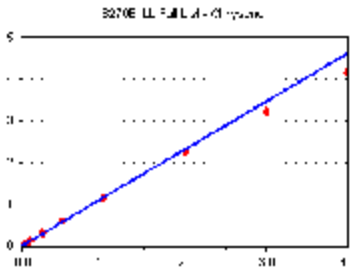


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	825159	412.579	15.33
1C24070-CAL2	2000	719537	359.768	15.32
1C24070-CAL3	2000	770451	385.226	15.33
1C24070-CAL4	2000	826524	413.262	15.33
1C24070-CAL5	2000	754640	377.320	15.33
1C24070-CAL6	2000	807343	403.672	15.34
1C24070-CAL7	2000	740819	370.409	15.34
1C24070-CAL8	2000	698181	349.091	15.35
1C24070-CAL9	2000	708958	354.479	15.36
1C24070-CALA	2000	655647	327.823	15.36

AVE RF **375.363** RF RSD **7.63** AVE RT **15.34**

Chrysene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	9236	1.119	15.38
1C24070-CAL2	50	22312	1.240	15.39
1C24070-CAL3	100	45931	1.192	15.38
1C24070-CAL4	200	99112	1.199	15.39
1C24070-CAL5	500	227406	1.205	15.39
1C24070-CAL6	1000	484731	1.201	15.39
1C24070-CAL7	2000	836305	1.129	15.40
1C24070-CAL8	4000	1569359	1.124	15.41
1C24070-CAL9	6000	2283060	1.073	15.43
1C24070-CALA	8000	2729522	1.041	15.44

AVE RF **1.152** RF RSD **5.63** AVE RT **15.40**

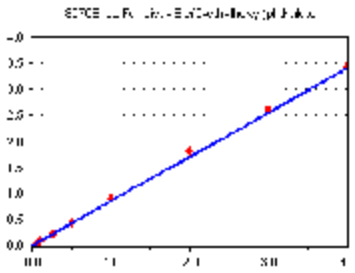
Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Bis(2-ethylhexyl)phthalate

Curve Fit: **AVERAGE RF**

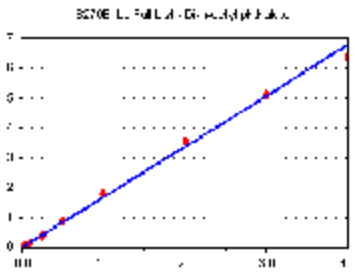


Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~4568~~	~~0.554~~	~~15.47~~
~~1C24070-CAL2~~	~~50~~	~~10272~~	~~0.571~~	~~15.47~~
1C24070-CAL3	100	26669	0.692	15.47
1C24070-CAL4	200	67597	0.818	15.47
1C24070-CAL5	500	163843	0.868	15.47
1C24070-CAL6	1000	368911	0.914	15.48
1C24070-CAL7	2000	665327	0.898	15.48
1C24070-CAL8	4000	1274621	0.913	15.48
1C24070-CAL9	6000	1858357	0.874	15.49
1C24070-CALA	8000	2260314	0.862	15.50

AVE RF **0.855** RF RSD **8.52** AVE RT **15.48**

Di-n-octyl phthalate

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

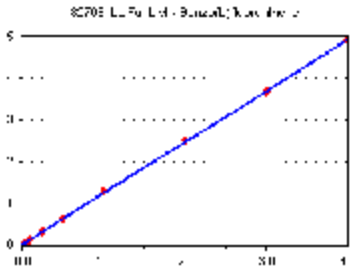


Standard	Concentration	Response	Response Factor	RT
~~1C24070-CAL1~~	~~20~~	~~5797~~	~~0.755~~	~~17.15~~
1C24070-CAL2	50	12907	0.773	17.15
1C24070-CAL3	100	36067	0.994	17.15
1C24070-CAL4	200	98296	1.274	17.16
1C24070-CAL5	500	255674	1.540	17.16
1C24070-CAL6	1000	637737	1.717	17.16
1C24070-CAL7	2000	1172094	1.781	17.16
1C24070-CAL8	4000	2285009	1.783	17.17
1C24070-CAL9	6000	3335684	1.703	17.18
1C24070-CALA	8000	3985266	1.598	17.19

AVE RF **1.462** RF RSD **25.15** AVE RT **17.16**

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

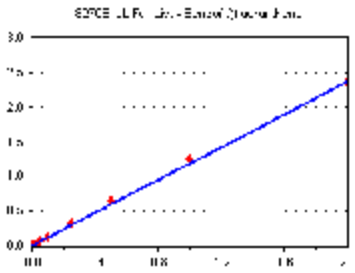


Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	8658	1.128	17.92
1C24070-CAL2	50	19517	1.169	17.92
1C24070-CAL3	100	43445	1.197	17.92
1C24070-CAL4	200	94556	1.226	17.92
1C24070-CAL5	500	216102	1.302	17.93
1C24070-CAL6	1000	467597	1.259	17.93
1C24070-CAL7	2000	857151	1.302	17.94
1C24070-CAL8	4000	1617566	1.262	17.96
1C24070-CAL9	6000	2407677	1.229	17.97
1C24070-CALA	8000	3060322	1.227	17.98

AVE RF **1.230** RF RSD **4.51** AVE RT **17.94**

Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7511	0.978	17.98
1C24070-CAL2	50	18016	1.079	17.98
1C24070-CAL3	100	41597	1.146	17.98
1C24070-CAL4	200	96074	1.245	17.99
1C24070-CAL5	500	213596	1.287	18.00
1C24070-CAL6	1000	480502	1.293	18.00
1C24070-CAL7	2000	822691	1.250	18.01
1C24070-CAL8	4000	1509173	1.178	18.03
~~1C24070-CAL9~~	~~6000~~	~~2075571~~	~~1.060~~	~~18.04~~
~~1C24070-CALA~~	~~8000~~	~~2536522~~	~~1.017~~	~~18.05~~

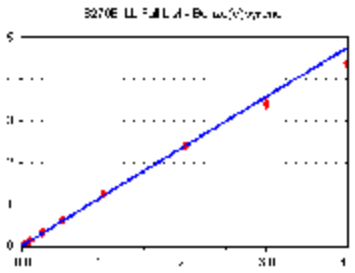
AVE RF **1.182** RF RSD **9.35** AVE RT **18.00**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Benzo(e)pyrene

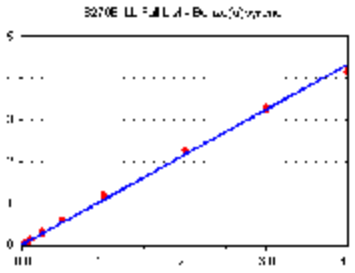


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	9041	1.177	18.58
1C24070-CAL2	50	19143	1.146	18.58
1C24070-CAL3	100	42719	1.177	18.58
1C24070-CAL4	200	93543	1.212	18.58
1C24070-CAL5	500	208606	1.257	18.59
1C24070-CAL6	1000	469766	1.265	18.59
1C24070-CAL7	2000	824565	1.253	18.60
1C24070-CAL8	4000	1526817	1.192	18.62
1C24070-CAL9	6000	2231010	1.139	18.63
1C24070-CALA	8000	2731386	1.095	18.64

AVE RF **1.191** RF RSD **4.71** AVE RT **18.60**

Benzo(a)pyrene

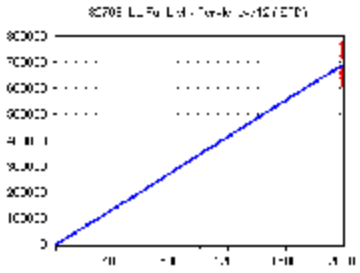


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7147	0.931	18.70
1C24070-CAL2	50	15498	0.928	18.70
1C24070-CAL3	100	37787	1.041	18.70
1C24070-CAL4	200	86426	1.120	18.70
1C24070-CAL5	500	194846	1.174	18.71
1C24070-CAL6	1000	445067	1.198	18.72
1C24070-CAL7	2000	783264	1.190	18.72
1C24070-CAL8	4000	1450134	1.132	18.74
1C24070-CAL9	6000	2127270	1.086	18.76
1C24070-CALA	8000	2595989	1.041	18.76

AVE RF **1.084** RF RSD **9.10** AVE RT **18.72**

Perylene-d12 (ISTD)

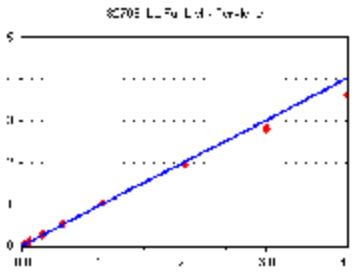


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	767893	383.947	18.85
1C24070-CAL2	2000	668054	334.027	18.85
1C24070-CAL3	2000	725980	362.990	18.85
1C24070-CAL4	2000	771543	385.772	18.86
1C24070-CAL5	2000	664064	332.032	18.86
1C24070-CAL6	2000	742953	371.477	18.86
1C24070-CAL7	2000	658094	329.047	18.86
1C24070-CAL8	2000	640647	320.323	18.88
1C24070-CAL9	2000	652960	326.480	18.88
1C24070-CALA	2000	623585	311.793	18.89

AVE RF **345.789** RF RSD **7.95** AVE RT **18.86**

Perylene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	7538	0.982	18.90
1C24070-CAL2	50	16845	1.009	18.91
1C24070-CAL3	100	38096	1.050	18.90
1C24070-CAL4	200	80995	1.050	18.91
1C24070-CAL5	500	177024	1.066	18.91
1C24070-CAL6	1000	385516	1.038	18.92
1C24070-CAL7	2000	682500	1.037	18.93
1C24070-CAL8	4000	1252990	0.978	18.95
1C24070-CAL9	6000	1835881	0.937	18.96
1C24070-CALA	8000	2261353	0.907	18.97

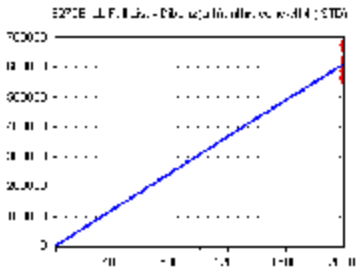
AVE RF **1.005** RF RSD **5.29** AVE RT **18.92**

Element Calibration Review Sheet

Calibration ID: **A1C2507** Instrument: **SV-GCMS10** Calibration Date: **03/25/2021**

Analysis: **8270E LL Full List** Instrument Cal ID: **A1C2507**

Dibenz(a,h)anthracene-d14 (ISTD

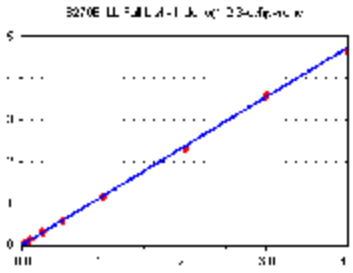


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	2000	667836	333.918	21.24
1C24070-CAL2	2000	558914	279.457	21.24
1C24070-CAL3	2000	622552	311.276	21.25
1C24070-CAL4	2000	674213	337.107	21.26
1C24070-CAL5	2000	567082	283.541	21.26
1C24070-CAL6	2000	677045	338.523	21.26
1C24070-CAL7	2000	585604	292.802	21.27
1C24070-CAL8	2000	584830	292.415	21.28
1C24070-CAL9	2000	597561	298.780	21.29
1C24070-CALA	2000	569226	284.613	21.30

AVE RF **305.243** RF RSD **7.65** AVE RT **21.26**

Indeno(1,2,3-cd)pyrene

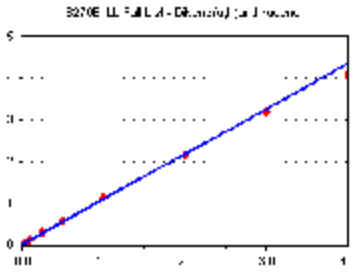


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	8702	1.303	21.24
1C24070-CAL2	50	16448	1.177	21.24
1C24070-CAL3	100	36665	1.178	21.24
1C24070-CAL4	200	77554	1.150	21.24
1C24070-CAL5	500	165415	1.167	21.25
1C24070-CAL6	1000	388576	1.148	21.26
1C24070-CAL7	2000	683078	1.166	21.27
1C24070-CAL8	4000	1350255	1.154	21.29
1C24070-CAL9	6000	2141661	1.195	21.31
1C24070-CALA	8000	2665364	1.171	21.32

AVE RF **1.181** RF RSD **3.83** AVE RT **21.27**

Dibenz(a,h)anthracene

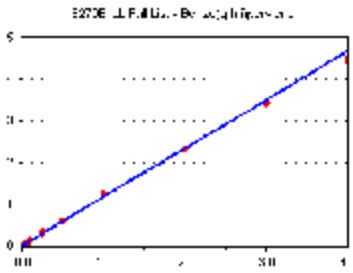


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	6918	1.036	21.31
1C24070-CAL2	50	14639	1.048	21.31
1C24070-CAL3	100	34384	1.105	21.31
1C24070-CAL4	200	74212	1.101	21.32
1C24070-CAL5	500	162681	1.147	21.32
1C24070-CAL6	1000	381811	1.128	21.33
1C24070-CAL7	2000	658237	1.124	21.33
1C24070-CAL8	4000	1267281	1.083	21.35
1C24070-CAL9	6000	1903439	1.062	21.36
1C24070-CALA	8000	2328952	1.023	21.37

AVE RF **1.086** RF RSD **3.90** AVE RT **21.33**

Benzo(g,h,i)perylene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
1C24070-CAL1	20	6873	1.029	21.78
1C24070-CAL2	50	15964	1.143	21.79
1C24070-CAL3	100	36248	1.164	21.79
1C24070-CAL4	200	82145	1.218	21.80
1C24070-CAL5	500	178970	1.262	21.80
1C24070-CAL6	1000	408901	1.208	21.81
1C24070-CAL7	2000	728521	1.244	21.82
1C24070-CAL8	4000	1359062	1.162	21.84
1C24070-CAL9	6000	2052548	1.145	21.85
1C24070-CALA	8000	2532735	1.112	21.87

AVE RF **1.169** RF RSD **5.87** AVE RT **21.81**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C24070

Analysis Included
8270E LL Full List

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
1C24070-TUN1	MS Tune	Water	A21C229	A21A285	3/24/2021 8:14:00PM
1C24070-ICB1	Initial Cal Blank	Water		A21A285	3/24/2021 8:42:00PM
1C24070-CAL1	Cal Standard	Water	A21C126	"	3/24/2021 9:18:00PM
1C24070-CAL2	Cal Standard	Water	A21C127	"	3/24/2021 9:54:00PM
1C24070-CAL3	Cal Standard	Water	A21C128	"	3/24/2021 10:29:00PM
1C24070-CAL4	Cal Standard	Water	A21C129	"	3/24/2021 11:05:00PM
1C24070-CAL5	Cal Standard	Water	A21C130	"	3/24/2021 11:40:00PM
1C24070-CAL6	Cal Standard	Water	A21C131	"	3/25/2021 12:16:00AM
1C24070-CAL7	Cal Standard	Water	A21C132	"	3/25/2021 12:52:00AM
1C24070-CAL8	Cal Standard	Water	A21C133	"	3/25/2021 1:27:00AM
1C24070-CAL9	Cal Standard	Water	A21C134	"	3/25/2021 2:03:00AM
1C24070-CALA	Cal Standard	Water	A21C135	"	3/25/2021 2:38:00AM
1C24070-ICV1	Initial Cal Check	Water	A21B480	"	3/25/2021 3:49:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1C2507** Instrument: **SV-GCMS10**

8270E LL Full List Sequence: **1C24070** Matrix: **Water**

1C24070-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C24070

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A1C2507** Instrument: **SV-GCMS10**

8270E LL Full List Sequence: **1C24070** Matrix: **Water**

1C24070-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C24070

Analysis Included
8270E LL Full List

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
1C24070-TUN1	MS Tune	Soil	A21C229	A21A285	3/24/2021 8:14:00PM
1C24070-ICB1	Initial Cal Blank	Soil		A21A285	3/24/2021 8:42:00PM
1C24070-CAL1	Cal Standard	Soil	A21C126	"	3/24/2021 9:18:00PM
1C24070-CAL2	Cal Standard	Soil	A21C127	"	3/24/2021 9:54:00PM
1C24070-CAL3	Cal Standard	Soil	A21C128	"	3/24/2021 10:29:00PM
1C24070-CAL4	Cal Standard	Soil	A21C129	"	3/24/2021 11:05:00PM
1C24070-CAL5	Cal Standard	Soil	A21C130	"	3/24/2021 11:40:00PM
1C24070-CAL6	Cal Standard	Soil	A21C131	"	3/25/2021 12:16:00AM
1C24070-CAL7	Cal Standard	Soil	A21C132	"	3/25/2021 12:52:00AM
1C24070-CAL8	Cal Standard	Soil	A21C133	"	3/25/2021 1:27:00AM
1C24070-CAL9	Cal Standard	Soil	A21C134	"	3/25/2021 2:03:00AM
1C24070-CALA	Cal Standard	Soil	A21C135	"	3/25/2021 2:38:00AM
1C24070-ICV1	Initial Cal Check	Soil	A21B480	"	3/25/2021 3:49:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A1C2507** Instrument: **SV-GCMS10**

8270E LL Full List Sequence: **1C24070** Matrix: **Soil**

1C24070-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1C24070-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 1C24070

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A1C2507** Instrument: **SV-GCMS10**

8270E LL Full List Sequence: **1C24070** Matrix: **Soil**

1C24070-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

JK 3/26/21

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (IST	2000.000	2000.000	0.0	108	0.00
2	TG	N-Nitrosodimethylamine	1000.000	962.344	3.8	106	0.04
3	TG	Pyridine	1000.000	1028.362	-2.8	114	0.04
4	S	2-Fluorophenol (Surr)	1000.000	1095.505	-9.6	111	0.01
5	S	Phenol-d6(Surr)	1000.000	1043.822	-4.4	103	0.00
6	T	Phenol	1000.000	1055.988	-5.6	107	0.00
7	T	Aniline	1000.000	948.200	5.2	98	0.00
8	T	Bis(2-chloroethyl) ether	1000.000	1038.226	-3.8	116	0.00
9	T	2-Chlorophenol	1000.000	1080.739	-8.1	110	0.00
10	T	1,3-Dichlorobenzene	1000.000	1025.545	-2.6	109	0.00
11	T	1,4-Dichlorobenzene	1000.000	1002.185	-0.2	109	0.00
12	T	Benzyl alcohol	1000.000	1063.461	-6.3	105	0.00
13	T	1,2-Dichlorobenzene	1000.000	1025.510	-2.6	107	0.00
14	T	2-Methylphenol	1000.000	1098.565	-9.9	105	0.00
15	T	2,2’-Oxybis(1-Chloropropane	1000.000	1021.277	-2.1	107	0.00
16	T	N-Nitrosodi-n-propylamine	1000.000	1058.793	-5.9	106	0.00
17	T	3+4-Methylphenol	1000.000	1134.899	-13.5	105	0.00
18	T	Hexachloroethane	1000.000	1028.540	-2.9	109	0.00
19	S	Nitrobenzene-d5 (Surr)	1000.000	1040.407	-4.0	104	0.00
20	T	Nitrobenzene	1000.000	1036.086	-3.6	102	0.00
21	I	Naphthalene-d8 (ISTD)	2000.000	2000.000	0.0	106	0.00
22	T	Isophorone	1000.000	1088.946	-8.9	112	0.00
23	T	2-Nitrophenol	1000.000	1081.058	-8.1	107	0.00
24	T	2,4-Dimethylphenol	1000.000	1169.124	-16.9	114	0.00
25	T	Bis(2-chloroethoxy) methane	1000.000	1133.254	-13.3	110	0.00
26	T	Benzoic acid	2000.000	2328.166	-16.4	124	0.00
27	T	2,4-Dichlorophenol	1000.000	1157.721	-15.8	108	0.00
28	T	1,2,4-Trichlorobenzene	1000.000	1032.917	-3.3	107	0.00
29	T	Naphthalene	1000.000	1045.051	-4.5	107	0.00
30	T	4-Chloroaniline	1000.000	1096.109	-9.6	106	0.00
31	T	Hexachlorobutadiene	1000.000	995.848	0.4	107	0.00
32	T	4-Chloro-3-methylphenol	1000.000	1116.312	-11.6	109	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
33	T	2-Methylnaphthalene	1000.000	1106.725	-10.7	107	0.00
34	T	1-Methylnaphthalene	1000.000	1117.317	-11.7	109	0.00
35	I	Acenaphthene-d10 (ISTD)	2000.000	2000.000	0.0	108	0.00
36	T	Hexachlorocyclopentadiene	1000.000	1132.542	-13.3	105	0.00
37	T	2,4,6-Trichlorophenol	1000.000	1029.818	-3.0	110	0.00
38	T	2,4,5-Trichlorophenol	1000.000	1076.256	-7.6	114	0.00
39	T	1,1'-Biphenyl	1000.000	1066.782	-6.7	107	0.00
40	S	2-Fluorobiphenyl (Surr)	1000.000	1074.396	-7.4	108	0.00
41	T	2-Chloronaphthalene	1000.000	1091.062	-9.1	108	0.00
42	T	2-Nitroaniline	1000.000	1143.155	-14.3	116	0.00
43	T	2,6-Dimethylnaphthalene	1000.000	1051.731	-5.2	105	0.00
44	T	1,4-Dinitrobenzene	1000.000	1118.806	-11.9	116	0.00
45	T	Dimethyl phthalate	1000.000	1056.829	-5.7	110	0.00
46	T	1,3-Dinitrobenzene	1000.000	1122.865	-12.3	114	0.00
47	T	2,6-Dinitrotoluene	1000.000	1122.539	-12.3	111	0.00
48	T	1,2-Dinitrobenzene	1000.000	1117.556	-11.8	113	0.00
49	T	Acenaphthylene	1000.000	1143.732	-14.4	116	0.00
50	T	3-Nitroaniline	1000.000	1037.351	-3.7	107	0.00
51	T	Acenaphthene	1000.000	1062.700	-6.3	111	0.00
52	T	2,4-Dinitrophenol	1000.000	1202.892	-20.3	134	0.00
53	T	4-Nitrophenol	1000.000	1138.708	-13.9	117	0.00
54	T	2,4-Dinitrotoluene	1000.000	1113.364	-11.3	112	0.00
55	T	Dibenzofuran	1000.000	1040.939	-4.1	108	0.00
56	T	2,3,5,6-Tetrachlorophenol	1000.000	1088.846	-8.9	114	0.00
57	T	2,3,4,6-Tetrachlorophenol	1000.000	1168.684	-16.9	115	0.00
58	T	Diethyl phthalate	1000.000	1048.766	-4.9	110	0.00
59	T	2,3,5-Trimethylnaphthalene	1000.000	993.294	0.7	105	0.00
60	T	Fluorene	1000.000	1027.730	-2.8	110	0.00
61	T	4-Chlorophenyl phenyl ether	1000.000	1058.618	-5.9	110	0.00
62	T	4-Nitroaniline	1000.000	1074.130	-7.4	107	0.00
63	T	4,6-Dinitro-2-methylphenol	1000.000	1154.244	-15.4	118	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
64	I	Phenanthrene-d10 (ISTD)	2000.000	2000.000	0.0	109	0.00
65	T	N-Nitrosodiphenylamine	1000.000	1062.750	-6.3	110	0.00
66	T	Azobenzene (1,2-DPH)	1000.000	1079.046	-7.9	108	0.00
67	S	2,4,6-Tribromophenol (Surr)	1000.000	1092.543	-9.3	108	0.00
68	T	4-Bromophenyl phenyl ether	1000.000	1076.171	-7.6	113	0.00
69	T	Hexachlorobenzene	1000.000	1027.468	-2.7	112	0.00
70	T	Pentachlorophenol (PCP)	1000.000	1134.446	-13.4	114	0.00
71	T	Phenanthrene	1000.000	1000.521	-0.1	108	0.00
72	T	Anthracene	1000.000	1071.274	-7.1	109	0.00
73	T	Carbazole	1000.000	936.016	6.4	104	0.00
74	T	Di-n-butyl phthalate	1000.000	1097.366	-9.7	109	0.00
75	T	Fluoranthene	1000.000	1088.889	-8.9	110	0.00
76	T	Benzidine	2000.000	2288.734	-14.4	113	0.00
77	T	Pyrene	1000.000	1081.867	-8.2	111	0.00
78	I	Chrysene-d12 (ISTD)	2000.000	2000.000	0.0	115	0.00
79	S	Terphenyl-d14 (Surr)	1000.000	1033.450	-3.3	114	0.00
80	T	Butyl benzyl phthalate	1000.000	1052.036	-5.2	113	0.00
81	T	Bis(2-ethylhexyl) adipate	1000.000	1029.849	-3.0	111	0.00
82	T	3,3-Dichlorobenzidine	2000.000	1725.760	13.7	102	0.00
83	T	Benz(a)anthracene	1000.000	1013.546	-1.4	117	0.00
84	T	Chrysene	1000.000	1004.257	-0.4	110	0.00
85	T	Bis(2-ethylhexyl) phthalate	1000.000	1071.333	-7.1	115	0.00
86	I	Perylene-d12 (ISTD)	2000.000	2000.000	0.0	114	0.00
87	T	Di-n-octyl phthalate	1000.000	1047.592	-4.8	114	0.00
88	T	Benzo(b)fluoranthene	1000.000	1058.320	-5.8	118	0.00
89	T	Benzo(k)fluoranthene	1000.000	1041.851	-4.2	109	0.00
90	T	Benzo(b+k)fluoranthene	2000.000	2107.678	-5.4	114	0.00
91	T	Benzo(e)pyrene	1000.000	989.963	1.0	107	0.00
92	T	Benzo(a)pyrene	1000.000	998.642	0.1	103	0.00
93	T	Perylene	1000.000	1122.016	-12.2	124	0.00

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
94	I	Dibenz(a,h)Anthrcene-d14 (I	2000.000	2000.000	0.0	113	0.00
95	T	Indeno(1,2,3-cd)pyrene	1000.000	993.609	0.6	116	0.00
96	T	Dibenz(a,h)anthracene	1000.000	1055.902	-5.6	115	0.00
97	T	Benzo(g,h,i)perylene	1000.000	1058.405	-5.8	116	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242113.D
Acq On : 24 Mar 2021 8:14 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-TUN1
Misc : 1x, A21C029 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:36:31 2021
Quant Method : C:\msdchem\1\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Mar 25 11:36:23 2021
Response via : Initial Calibration

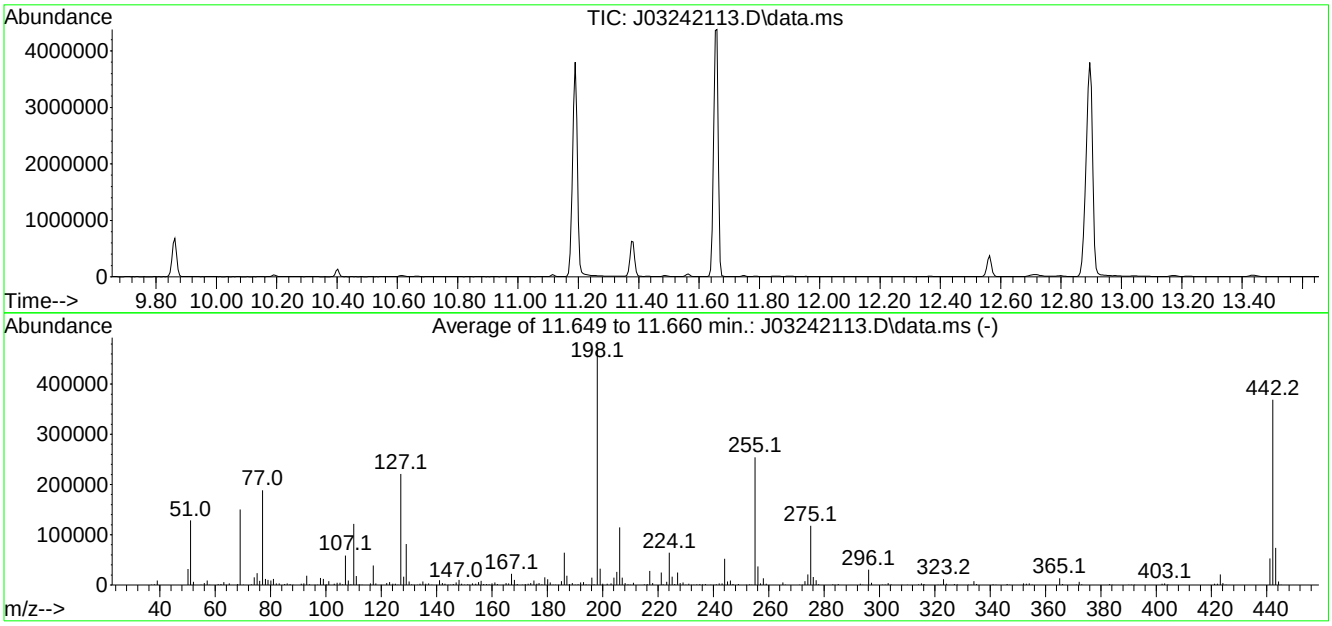
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.814	150	70895	2.00	ug/mL	0.00
2) Naphthalene-d8	8.076	136	286427	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.862	162	151399	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.376	188	252275	2.00	ug/mL	0.00
11) Chrysene-d12	15.200	240	189152	2.00	ug/mL	0.00
12) Perylene-d12	17.281	264	163200	2.00	ug/mL	0.00
Target Compounds						Qvalue
4) Pentachlorophenol	11.189	266	478255	33.45	ug/mL	96
6) DFTPP	11.660	442	511885	25.13	ug/mL	94
7) Benzidine	12.895	184	2265879	25.25	ug/mL	94
8) 4,4-DDE	13.173	TIC	25264	No Calib		
9) 4,4-DDD	13.730	TIC	41988	No Calib		
10) 4,4-DDT	14.345	TIC	7542881	29.16	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242113.D
Acq On : 24 Mar 2021 8:14 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-TUN1
Misc : 1x, A21C029 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Thu Mar 25 11:36:23 2021



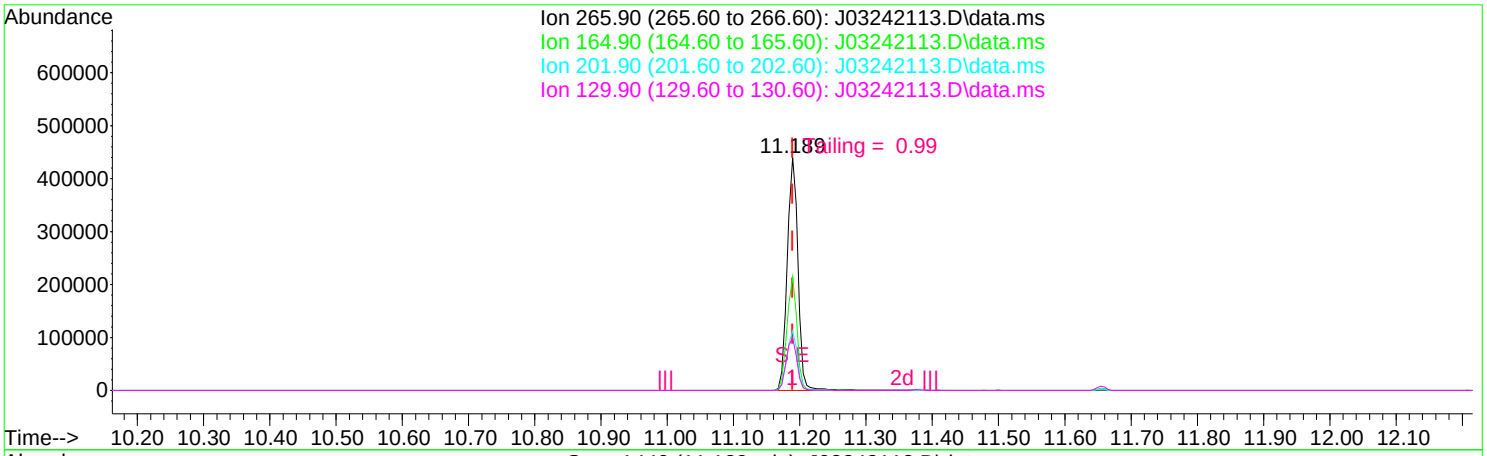
AutoFind: Scans 1526, 1527, 1528; Background Corrected with Scan 1521

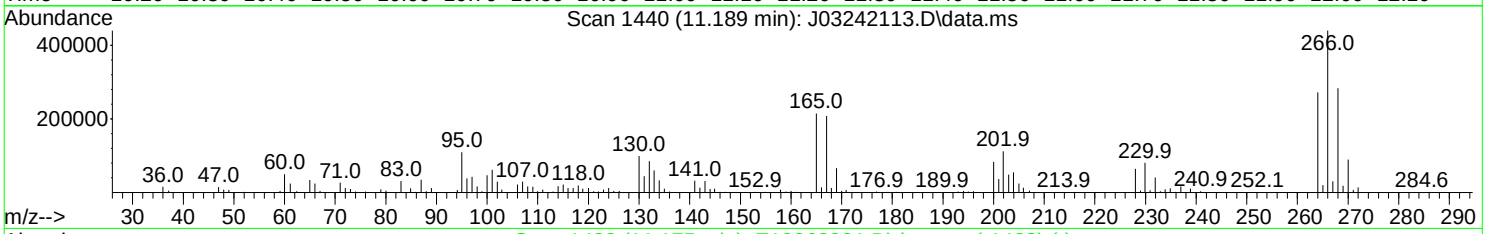
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	2234	PASS
69	198	0.01	100	32.1	150423	PASS
70	69	0.00	2	0.6	842	PASS
197	198	0.00	2	0.2	1004	PASS
198	198	100	100	100.0	468992	PASS
199	198	5	9	6.9	32379	PASS
365	198	1	100	2.9	13508	PASS
441	443	0.01	150	71.2	52685	PASS
442	198	0.10	200	78.7	369152	PASS
443	442	15	24	20.0	73976	PASS

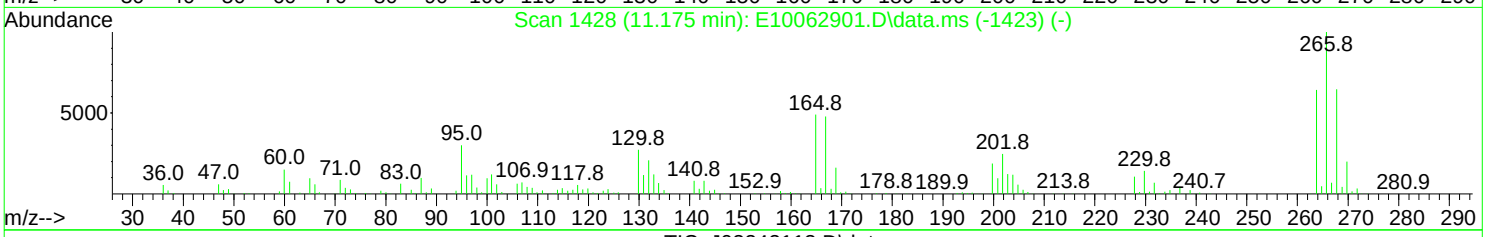
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242113.D
Acq On : 24 Mar 2021 8:14 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-TUN1
Misc : 1x, A21C029 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:36:31 2021
Quant Method : C:\msdchem\1\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Mar 25 11:36:23 2021
Response via : Initial Calibration







TIC: J03242113.D\data.ms

(4) Pentachlorophenol

11.189min (0.000) 33.45 ug/mL

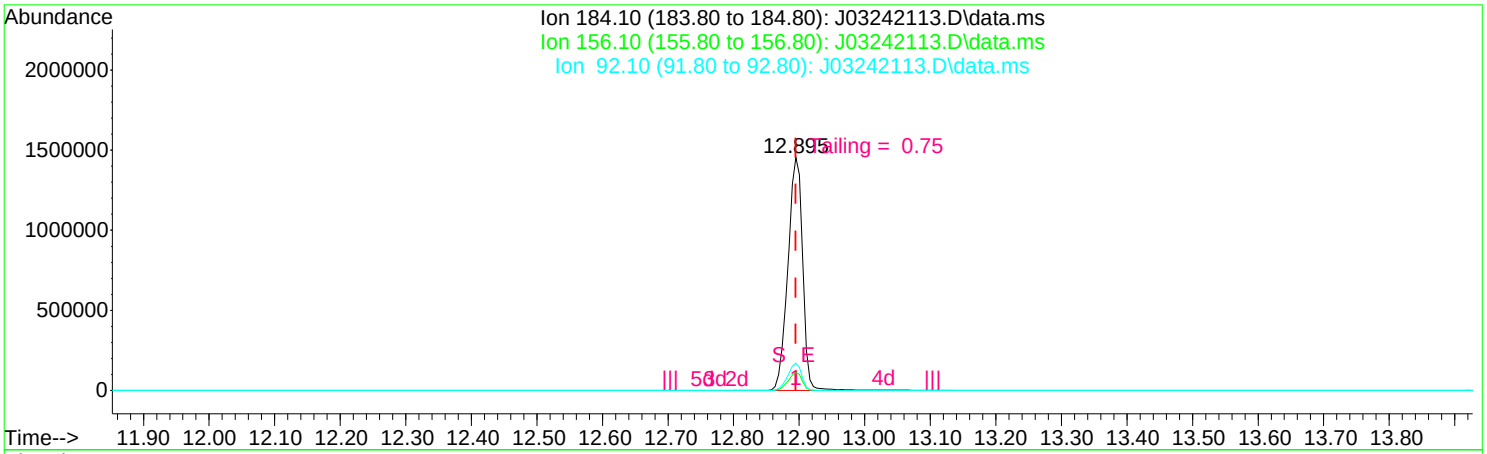
response 478255

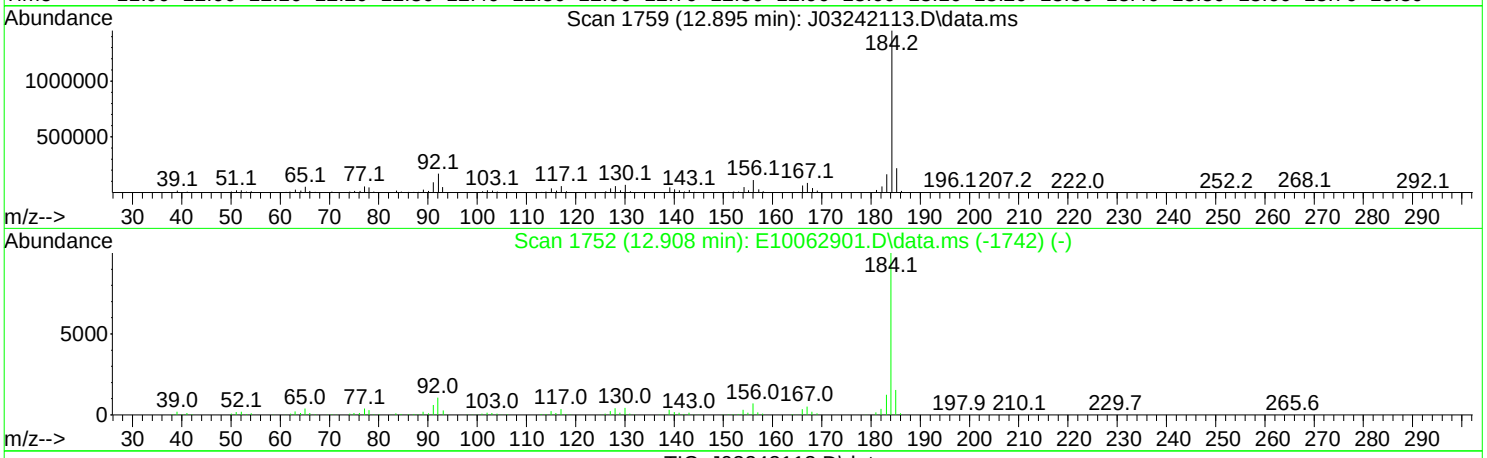
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	48.84
201.90	25.80	25.59
129.90	27.30	22.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242113.D
Acq On : 24 Mar 2021 8:14 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-TUN1
Misc : 1x, A21C029 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:36:31 2021
Quant Method : C:\msdchem\1\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Mar 25 11:36:23 2021
Response via : Initial Calibration





TIC: J03242113.D\data.ms

(7) Benzidine

12.895min (0.000) 25.25 ug/mL

response 2265879

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.71
92.10	8.20	11.76
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:
1C24070-TUN1
SV-GCMS10

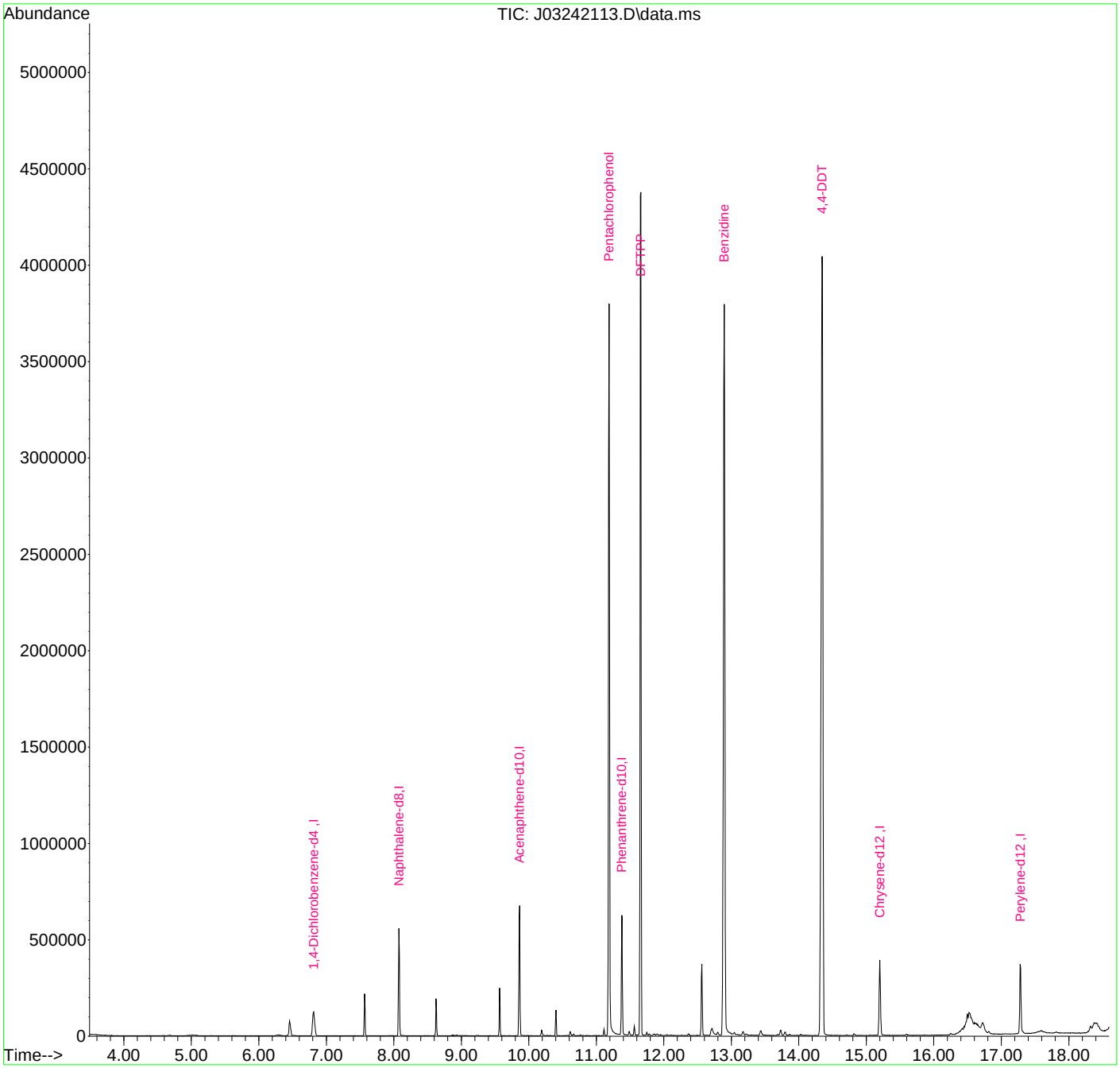
First Column Area Counts		Percent Breakdown	
DDE	25264		
DDD	41988		
DDT	7542881	**0.88**	**PASS**

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242113.D
Acq On : 24 Mar 2021 8:14 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-TUN1
Misc : 1x, A21C029 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 25 11:36:31 2021
Quant Method : C:\msdchem\1\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Mar 25 11:36:23 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	203198	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	925538	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	492996	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	849296	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	751450	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.854	264	700000	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.244	292	586965	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	6.423	99	58	18.12	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.391	82	126	6.46	ng/ml	0.07
40) 2-Fluorobiphenyl (Surr)	9.199	172	463	1.30	ng/ml	0.06
67) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.134	74	104	N.D.		
3) Pyridine	4.075	79	52	N.D.		
6) Phenol	6.439	94	146	14.87	ng/ml	76
7) Aniline	6.450	93	155	N.D.		
8) Bis(2-chloroethyl) ether	6.504	93	117	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	73	N.D.		
16) N-Nitrosodi-n-propylamine	7.167	70	60	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.354	77	86	N.D.		
22) Isophorone	7.648	82	51	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	7.776	105	134	131.09	ng/ml#	11
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	8.071	128	92	N.D.		
30) 4-Chloroaniline	8.124	127	62	19.40	ng/ml#	49
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	9.221	162	317	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.542	163	122	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	0.000		0	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.697	152	60	N.D.		
50) 3-Nitroaniline	0.000		0	N.D.		
51) Acenaphthene	9.836	153	158	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	10.018	165	84	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	0.000		0	N.D.		
59) 2,3,5-Trimethylnaphtha...	0.000		0	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

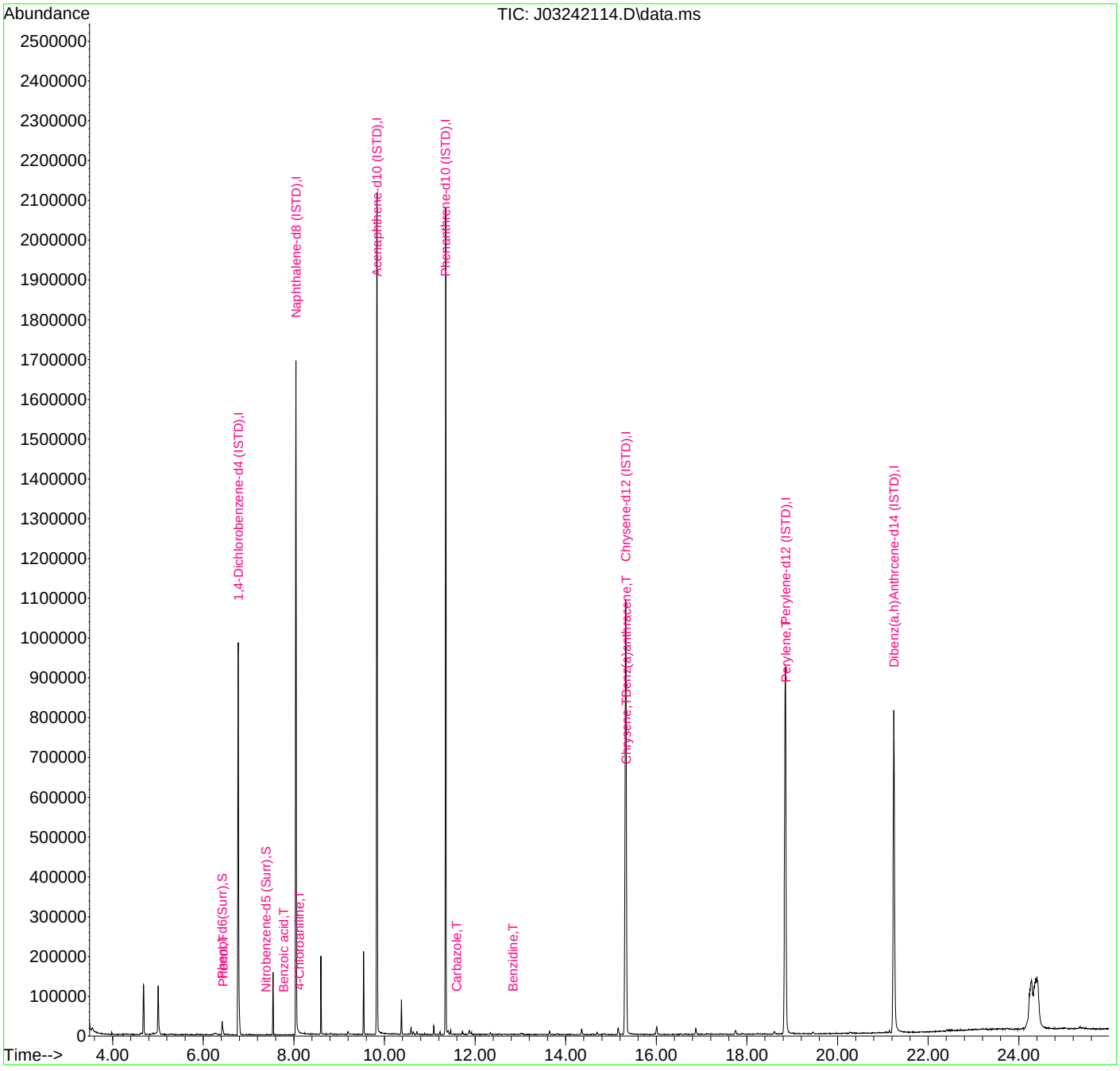
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	10.526	77	125	N.D.		
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	11.355	178	448	N.D.		
72) Anthracene	11.456	178	295	N.D.		
73) Carbazole	11.595	167	100	5.39	ng/ml	61
74) Di-n-butyl phthalate	11.916	149	272	N.D.		
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	12.842	184	699	35.81	ng/ml	60
77) Pyrene	13.007	202	56	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	0.000		0	N.D.		
82) 3,3-Dichlorobenzidine	15.254	252	149	Below Cal #		27
83) Benz(a)anthracene	15.339	228	2179	4.88	ng/ml	68
84) Chrysene	15.339	228	2135	5.12	ng/ml	65
85) Bis(2-ethylhexyl) phth...	15.473	149	133	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	17.992	252	117	N.D.		
89) Benzo(k)fluoranthene	17.992	252	136	N.D.		
90) Benzo(b+k)fluoranthene	17.992	252	136	N.D.		
91) Benzo(e)pyrene	18.484	252	57	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.859	252	2772	7.98	ng/ml	69
95) Indeno(1,2,3-cd)pyrene	21.234	276	154	N.D.		
96) Dibenz(a,h)anthracene	21.255	278	119	N.D.		
97) Benzo(g,h,i)perylene	21.790	276	177	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	203198	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	925538	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	492996	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	849296	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	751450	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.854	264	700000	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.244	292	586965	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	6.423	99	58	18.12	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.391	82	126	6.46	ng/ml	0.07
40) 2-Fluorobiphenyl (Surr)	9.199	172	463	1.30	ng/ml	0.06
67) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.134	74	104	N.D.		
3) Pyridine	4.075	79	52	N.D.		
6) Phenol	6.439	94	146	14.87	ng/ml	76
7) Aniline	6.450	93	155	N.D.		
8) Bis(2-chloroethyl) ether	6.504	93	117	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	73	N.D.		
16) N-Nitrosodi-n-propylamine	7.167	70	60	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.354	77	86	N.D.		
22) Isophorone	7.648	82	51	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	7.776	105	134	131.09	ng/ml#	11
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	8.071	128	92	N.D.		
30) 4-Chloroaniline	8.124	127	62	19.40	ng/ml#	49
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	9.221	162	317	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.542	163	122	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	0.000		0	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.697	152	60	N.D.		
50) 3-Nitroaniline	0.000		0	N.D.		
51) Acenaphthene	9.836	153	158	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	10.018	165	84	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	0.000		0	N.D.		
59) 2,3,5-Trimethylnaphtha...	0.000		0	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

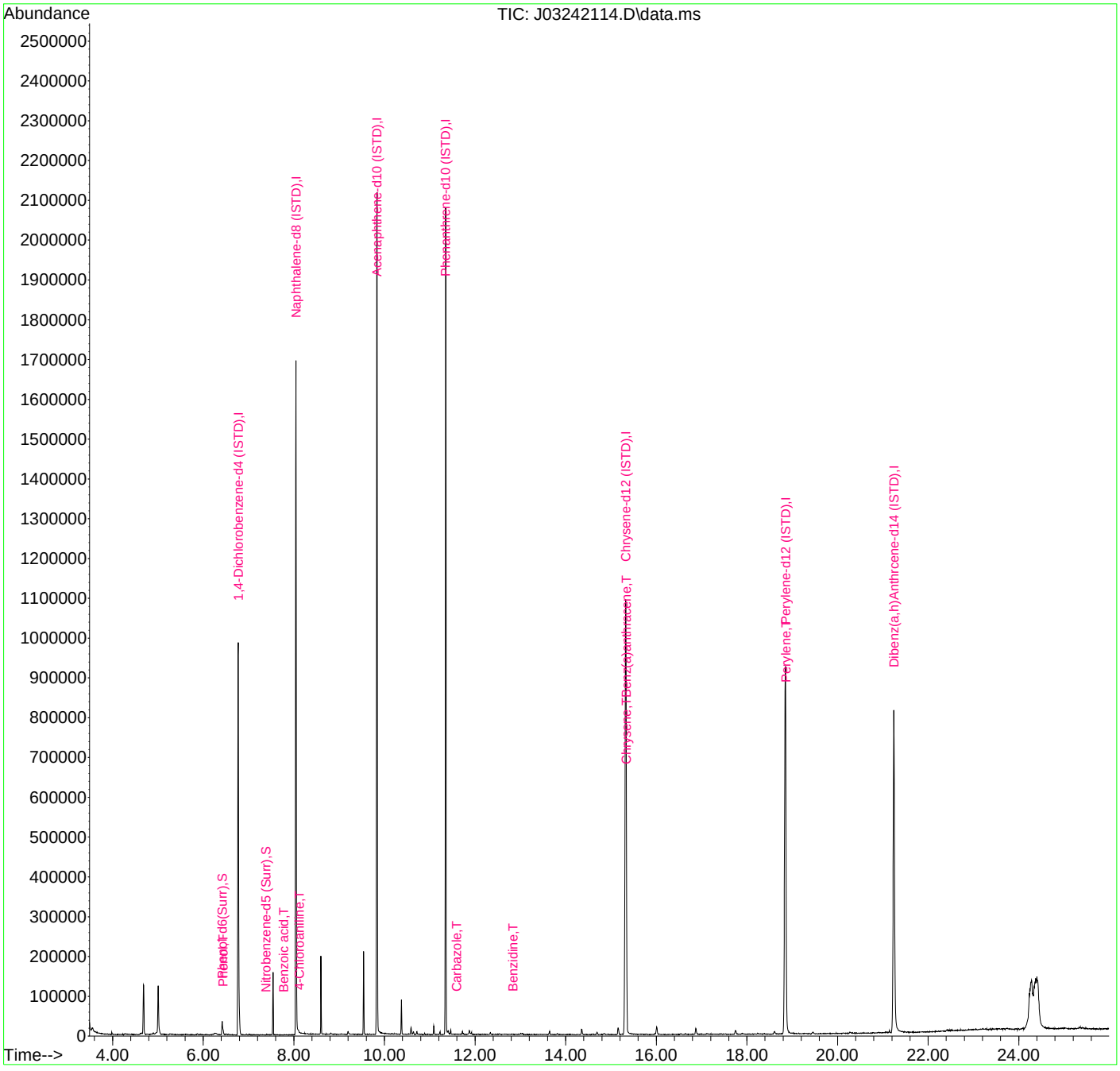
Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	10.526	77	125	N.D.		
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	11.355	178	448	N.D.		
72) Anthracene	11.456	178	295	N.D.		
73) Carbazole	11.595	167	100	5.39	ng/ml	61
74) Di-n-butyl phthalate	11.916	149	272	N.D.		
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	12.842	184	699	35.81	ng/ml	60
77) Pyrene	13.007	202	56	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	0.000		0	N.D.		
82) 3,3-Dichlorobenzidine	15.254	252	149	Below Cal #		27
83) Benz(a)anthracene	15.339	228	2179	4.88	ng/ml	68
84) Chrysene	15.339	228	2135	5.12	ng/ml	65
85) Bis(2-ethylhexyl) phth...	15.473	149	133	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	17.992	252	117	N.D.		
89) Benzo(k)fluoranthene	17.992	252	136	N.D.		
90) Benzo(b+k)fluoranthene	17.992	252	136	N.D.		
91) Benzo(e)pyrene	18.484	252	57	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.859	252	2772	7.98	ng/ml	69
95) Indeno(1,2,3-cd)pyrene	21.234	276	154	N.D.		
96) Dibenz(a,h)anthracene	21.255	278	119	N.D.		
97) Benzo(g,h,i)perylene	21.790	276	177	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 11:44:09 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	203198	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	925538	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	492996	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	849296	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	751450	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.854	264	700000	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.244	292	586965	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	6.423	99	58	0.32	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.391	82	126	0.81	ng/ml	0.07
40) 2-Fluorobiphenyl (Surr)	9.199	172	463	1.24	ng/ml	0.06
67) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.134	74	104	N.D.		
3) Pyridine	4.075	79	52	N.D.		
6) Phenol	6.439	94	146	N.D.		
7) Aniline	6.450	93	155	N.D.		
8) Bis(2-chloroethyl) ether	6.504	93	117	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	73	N.D.		
16) N-Nitrosodi-n-propylamine	7.167	70	60	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.354	77	86	N.D.		
22) Isophorone	7.648	82	51	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	7.776	105	134	620.86	ng/ml#	11
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	8.071	128	92	N.D.		
30) 4-Chloroaniline	8.124	127	62	9.84	ng/ml#	49
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	9.221	162	317	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.542	163	122	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	0.000		0	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.697	152	60	N.D.		
50) 3-Nitroaniline	0.000		0	N.D.		
51) Acenaphthene	9.836	153	158	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	10.018	165	84	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	0.000		0	N.D.		
59) 2,3,5-Trimethylnaphtha...	0.000		0	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

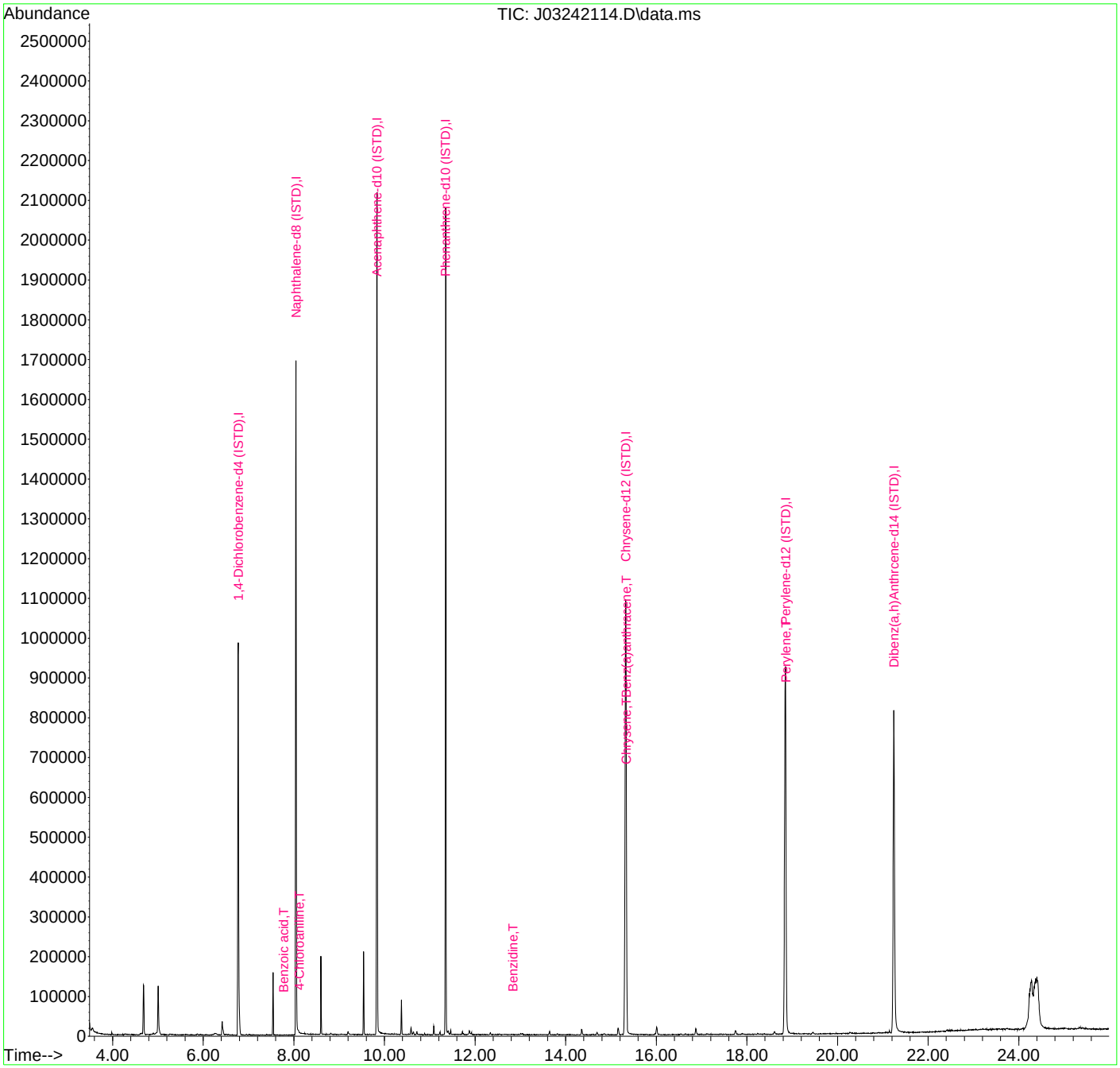
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	10.526	77	125	N.D.		
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	11.355	178	448	N.D.		
72) Anthracene	11.456	178	295	N.D.		
73) Carbazole	11.595	167	100	N.D.		
74) Di-n-butyl phthalate	11.916	149	272	N.D.		
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	12.842	184	699	89.02	ng/ml	60
77) Pyrene	13.007	202	56	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	0.000		0	N.D.		
82) 3,3-Dichlorobenzidine	15.254	252	149	Below Cal #		27
83) Benz(a)anthracene	15.339	228	2179	4.69	ng/ml	68
84) Chrysene	15.339	228	2135	4.93	ng/ml	65
85) Bis(2-ethylhexyl) phth...	15.473	149	133	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	17.992	252	117	N.D.		
89) Benzo(k)fluoranthene	17.992	252	136	N.D.		
90) Benzo(b+k)fluoranthene	17.992	252	136	N.D.		
91) Benzo(e)pyrene	18.484	252	57	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.859	252	2772	7.88	ng/ml	69
95) Indeno(1,2,3-cd)pyrene	21.234	276	154	N.D.		
96) Dibenz(a,h)anthracene	21.255	278	119	N.D.		
97) Benzo(g,h,i)perylene	21.790	276	177	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

JK 3/25/21

Final Requant

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	203198	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	925538	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	492996	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	849296	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	751450	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.854	264	700000	2000.00	ng/ml	-0.01
94) Dibenz(a,h)Anthrcene-d...	21.244	292	586965	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	0.000	112	0	0.00	ng/ml	
5) Phenol-d6(Surr)	6.423	99	58	0.32	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.391	82	126	0.81	ng/ml	0.07
40) 2-Fluorobiphenyl (Surr)	9.199	172	463	1.24	ng/ml	0.06
67) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
79) Terphenyl-d14 (Surr)	0.000	244	0	0.00	ng/ml	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.134	74	104	N.D.		
3) Pyridine	4.075	79	52	N.D.		
6) Phenol	6.439	94	146	N.D.		
7) Aniline	6.450	93	155	N.D.		
8) Bis(2-chloroethyl) ether	6.504	93	117	N.D.		
9) 2-Chlorophenol	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) Benzyl alcohol	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) 2-Methylphenol	0.000		0	N.D.		
15) 2,2'-Oxybis(1-Chloropr...	7.070	45	73	N.D.		
16) N-Nitrosodi-n-propylamine	7.167	70	60	N.D.		
17) 3+4-Methylphenol	0.000		0	N.D.		
18) Hexachloroethane	0.000		0	N.D.		
20) Nitrobenzene	7.354	77	86	N.D.		
22) Isophorone	7.648	82	51	N.D.		
23) 2-Nitrophenol	0.000		0	N.D.		
24) 2,4-Dimethylphenol	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	0.000		0	N.D.		
26) Benzoic acid	7.776	105	134	620.86	ng/ml#	11
27) 2,4-Dichlorophenol	0.000		0	N.D.		
28) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Naphthalene	8.071	128	92	N.D.		
30) 4-Chloroaniline	8.124	127	62	9.84	ng/ml#	49
31) Hexachlorobutadiene	0.000		0	N.D.		
32) 4-Chloro-3-methylphenol	0.000		0	N.D.		
33) 2-Methylnaphthalene	0.000		0	N.D.		
34) 1-Methylnaphthalene	0.000		0	N.D.		
36) Hexachlorocyclopentadiene	0.000		0	N.D.		
37) 2,4,6-Trichlorophenol	0.000		0	N.D.		
38) 2,4,5-Trichlorophenol	0.000		0	N.D.		
39) 1,1'-Biphenyl	0.000		0	N.D.		
41) 2-Chloronaphthalene	9.221	162	317	N.D.		
42) 2-Nitroaniline	0.000		0	N.D.		
43) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
44) 1,4-Dinitrobenzene	0.000		0	N.D.		
45) Dimethyl phthalate	9.542	163	122	N.D.		
46) 1,3-Dinitrobenzene	0.000		0	N.D.		
47) 2,6-Dinitrotoluene	0.000		0	N.D.		
48) 1,2-Dinitrobenzene	0.000		0	N.D.		
49) Acenaphthylene	9.697	152	60	N.D.		
50) 3-Nitroaniline	0.000		0	N.D.		
51) Acenaphthene	9.836	153	158	N.D.		
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	0.000		0	N.D.		
54) 2,4-Dinitrotoluene	10.018	165	84	N.D.		
55) Dibenzofuran	0.000		0	N.D.		
56) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.		
57) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
58) Diethyl phthalate	0.000		0	N.D.		
59) 2,3,5-Trimethylnaphtha...	0.000		0	N.D.		
60) Fluorene	0.000		0	N.D.		
61) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
62) 4-Nitroaniline	0.000		0	N.D.		
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

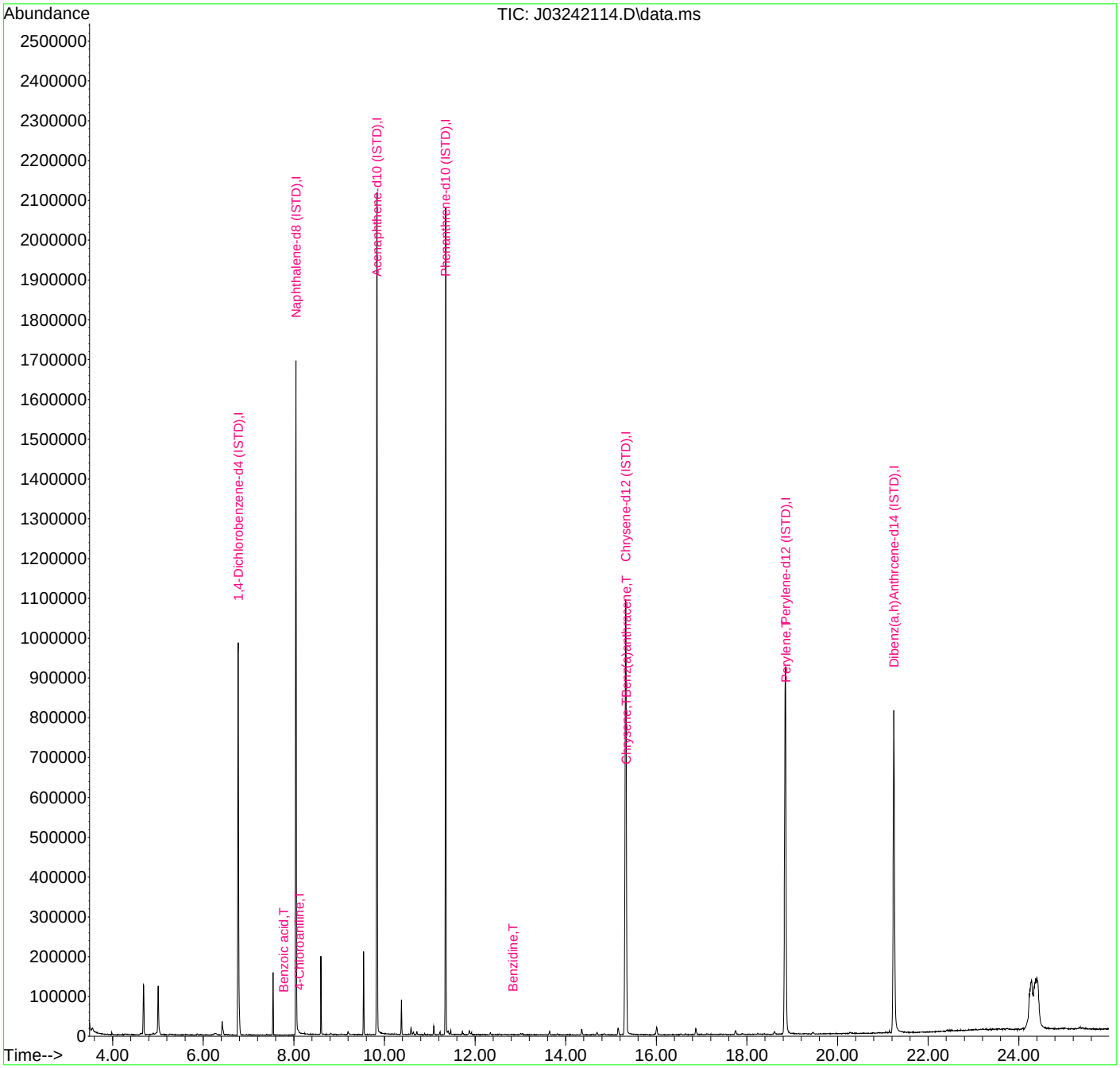
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	0.000		0	N.D.		
66) Azobenzene (1,2-DPH)	10.526	77	125	N.D.		
68) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
69) Hexachlorobenzene	0.000		0	N.D.		
70) Pentachlorophenol (PCP)	0.000		0	N.D.		
71) Phenanthrene	11.355	178	448	N.D.		
72) Anthracene	11.456	178	295	N.D.		
73) Carbazole	11.595	167	100	N.D.		
74) Di-n-butyl phthalate	11.916	149	272	N.D.		
75) Fluoranthene	0.000		0	N.D.		
76) Benzidine	12.842	184	699	89.02	ng/ml	60
77) Pyrene	13.007	202	56	N.D.		
80) Butyl benzyl phthalate	0.000		0	N.D.		
81) Bis(2-ethylhexyl) adipate	0.000		0	N.D.		
82) 3,3-Dichlorobenzidine	15.254	252	149	Below Cal #		27
83) Benz(a)anthracene	15.339	228	2179	4.69	ng/ml	68
84) Chrysene	15.339	228	2135	4.93	ng/ml	65
85) Bis(2-ethylhexyl) phth...	15.473	149	133	N.D.		
87) Di-n-octyl phthalate	0.000		0	N.D.		
88) Benzo(b)fluoranthene	17.992	252	117	N.D.		
89) Benzo(k)fluoranthene	17.992	252	136	N.D.		
90) Benzo(b+k)fluoranthene	17.992	252	136	N.D.		
91) Benzo(e)pyrene	18.484	252	57	N.D.		
92) Benzo(a)pyrene	0.000		0	N.D.		
93) Perylene	18.859	252	2772	7.88	ng/ml	69
95) Indeno(1,2,3-cd)pyrene	21.234	276	154	N.D.		
96) Dibenz(a,h)anthracene	21.255	278	119	N.D.		
97) Benzo(g,h,i)perylene	21.790	276	177	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242114.D
Acq On : 24 Mar 2021 8:42 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 25 15:47:10 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	222685	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	920770	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.830	162	493976	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	884011	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	825159	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.848	264	767893	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.244	292	667836	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	3206	21.86	ng/ml	0.01
5) Phenol-d6(Surr)	6.402	99	3292	39.98	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	3021	31.48	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	5784	16.24	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.633	330	568	21.33	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.211	244	8027	18.46	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.129	74	2321	25.11	ng/ml	72
3) Pyridine	4.188	79	2883	25.06	ng/ml	89
6) Phenol	6.423	94	3852	37.32	ng/ml	95
7) Aniline	6.455	93	4124	24.35	ng/ml	83
8) Bis(2-chloroethyl) ether	6.509	93	4045	24.51	ng/ml	84
9) 2-Chlorophenol	6.573	128	2673	17.80	ng/ml	74
10) 1,3-Dichlorobenzene	6.723	146	3599	19.17	ng/ml	89
11) 1,4-Dichlorobenzene	6.792	146	3862	21.05	ng/ml	98
12) Benzyl alcohol	6.910	108	366	30.39	ng/ml#	1
13) 1,2-Dichlorobenzene	6.948	146	3625	20.48	ng/ml	95
14) 2-Methylphenol	7.017	107	1845	33.12	ng/ml	96
15) 2,2’-Oxybis(1-Chloropr...	7.038	45	4669	26.01	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	2627	26.48	ng/ml	92
17) 3+4-Methylphenol	7.167	107	2502	38.99	ng/ml	81
18) Hexachloroethane	7.290	201	1246	20.64	ng/ml#	73
20) Nitrobenzene	7.343	77	2958	23.85	ng/ml	95
22) Isophorone	7.573	82	6043	21.24	ng/ml	89
23) 2-Nitrophenol	7.659	139	847	24.53	ng/ml	86
24) 2,4-Dimethylphenol	7.696	122	1791	31.31	ng/ml	85

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	2932	20.02	ng/ml	88
26) Benzoic acid	7.782	105	117	130.43	ng/ml	87
27) 2,4-Dichlorophenol	7.905	162	1618	40.17	ng/ml	91
28) 1,2,4-Trichlorobenzene	7.991	180	3050	20.86	ng/ml	92
29) Naphthalene	8.065	128	10204	21.39	ng/ml	100
30) 4-Chloroaniline	8.114	127	1801	35.04	ng/ml	86
31) Hexachlorobutadiene	8.194	225	1980	23.35	ng/ml	82
32) 4-Chloro-3-methylphenol	8.595	107	2140	35.54	ng/ml	80
33) 2-Methylnaphthalene	8.771	142	4879	14.91	ng/ml	84
34) 1-Methylnaphthalene	8.868	142	5241	16.21	ng/ml	90
36) Hexachlorocyclopentadiene	8.937	237	756	37.45	ng/ml	81
37) 2,4,6-Trichlorophenol	9.050	196	1156	38.17	ng/ml	84
38) 2,4,5-Trichlorophenol	9.087	198	1163	33.84	ng/ml	81
39) 1,1'-Biphenyl	9.237	154	7029	18.41	ng/ml	91
41) 2-Chloronaphthalene	9.264	162	4914	17.49	ng/ml	78
42) 2-Nitroaniline	9.354	138	1222	25.88	ng/ml	96
43) 2,6-Dimethylnaphthalene	9.397	156	5487	18.06	ng/ml	95
44) 1,4-Dinitrobenzene	9.477	168	409	24.25	ng/ml#	65
45) Dimethyl phthalate	9.531	163	8064	22.22	ng/ml	94
46) 1,3-Dinitrobenzene	9.563	168	467	9.71	ng/ml	79
47) 2,6-Dinitrotoluene	9.595	165	969	13.13	ng/ml	70
48) 1,2-Dinitrobenzene	9.649	168	504	13.74	ng/ml	67
49) Acenaphthylene	9.686	152	9642	19.54	ng/ml	95
50) 3-Nitroaniline	9.772	138	960	21.68	ng/ml	82
51) Acenaphthene	9.863	153	7304	22.46	ng/ml	92
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.932	139	336	30.11	ng/ml#	52
54) 2,4-Dinitrotoluene	10.007	165	1342	14.05	ng/ml#	59
55) Dibenzofuran	10.039	168	9612	21.25	ng/ml	86
56) 2,3,5,6-Tetrachlorophenol	10.119	232	742	26.75	ng/ml	80
57) 2,3,4,6-Tetrachlorophenol	10.162	232	867	25.50	ng/ml	79
58) Diethyl phthalate	10.253	149	7709	22.89	ng/ml	93
59) 2,3,5-Trimethylnaphtha...	10.248	170	6467	21.92	ng/ml	97
60) Fluorene	10.387	166	8031	21.97	ng/ml	93
61) 4-Chlorophenyl phenyl ...	10.381	204	3709	21.25	ng/ml	87
62) 4-Nitroaniline	10.387	138	877	15.59	ng/ml	96
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

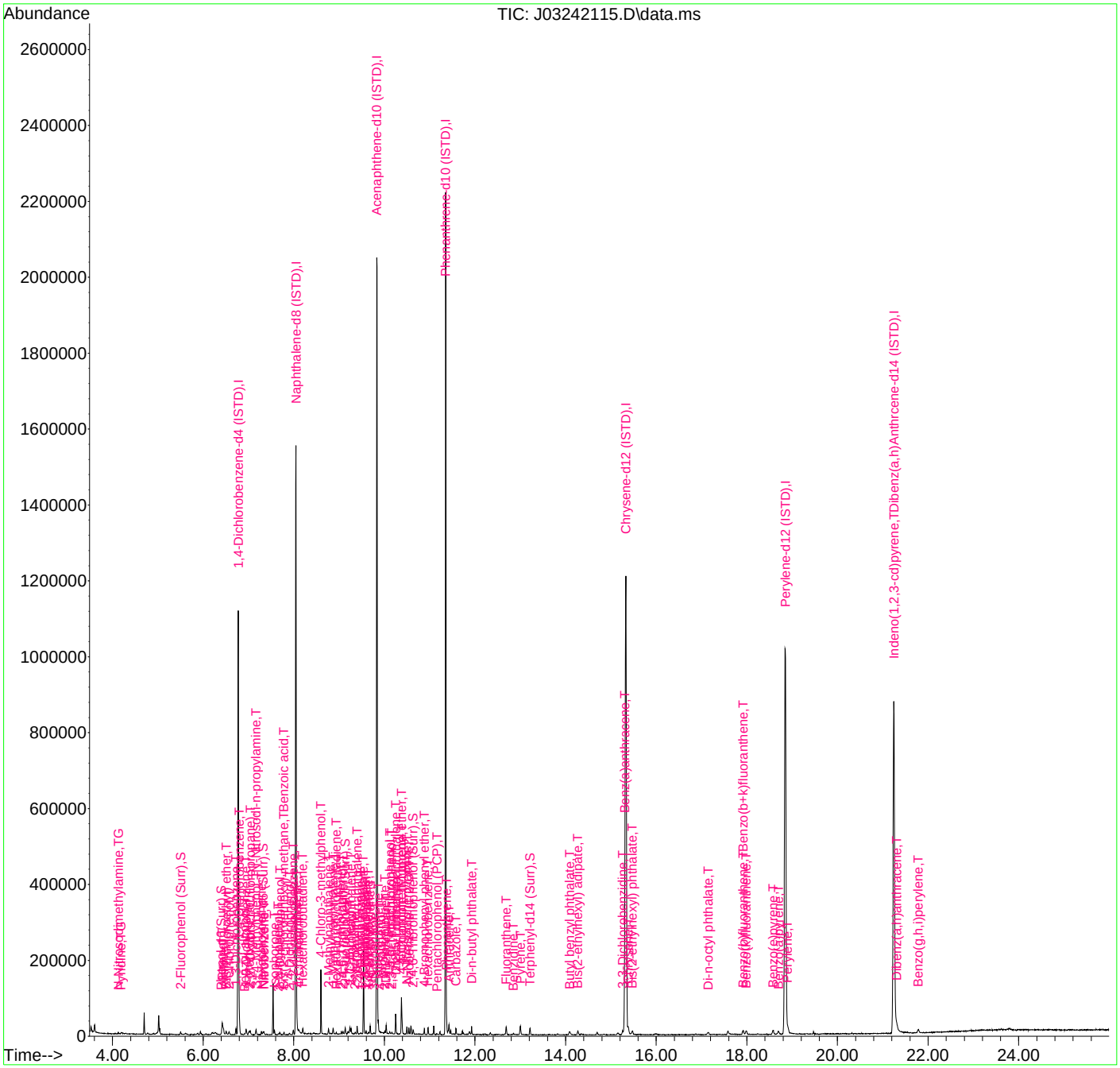
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	5745	21.55	ng/ml	96
66) Azobenzene (1,2-DPH)	10.542	77	6593	24.80	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.884	248	2109	21.62	ng/ml	86
69) Hexachlorobenzene	10.959	284	2310	20.31	ng/ml	88
70) Pentachlorophenol (PCP)	11.162	266	420	35.49	ng/ml#	58
71) Phenanthrene	11.371	178	11499	22.54	ng/ml	98
72) Anthracene	11.424	178	10802	22.21	ng/ml	98
73) Carbazole	11.579	167	7728	22.76	ng/ml	90
74) Di-n-butyl phthalate	11.927	149	11284	21.84	ng/ml	95
75) Fluoranthene	12.687	202	11020	21.18	ng/ml	95
76) Benzidine	12.847	184	2120	53.10	ng/ml	96
77) Pyrene	13.002	202	11234	20.73	ng/ml	95
80) Butyl benzyl phthalate	14.088	149	3416	25.05	ng/ml	86
81) Bis(2-ethylhexyl) adipate	14.270	129	2920	14.92	ng/ml	85
82) 3,3-Dichlorobenzidine	15.259	252	4007	41.27	ng/ml	99
83) Benz(a)anthracene	15.307	228	11089	22.62	ng/ml	96
84) Chrysene	15.382	228	9236	20.18	ng/ml	88
85) Bis(2-ethylhexyl) phth...	15.468	149	4568	16.17	ng/ml	92
87) Di-n-octyl phthalate	17.147	149	5797	26.18	ng/ml	86
88) Benzo(b)fluoranthene	17.918	252	8658	18.67	ng/ml	97
89) Benzo(k)fluoranthene	17.982	252	7511	17.41	ng/ml	96
90) Benzo(b+k)fluoranthene	17.918	252	17035	37.04	ng/ml	96
91) Benzo(e)pyrene	18.575	252	9041	20.09	ng/ml	88
92) Benzo(a)pyrene	18.698	252	7147	22.19	ng/ml	97
93) Perylene	18.896	252	7538	19.79	ng/ml	95
95) Indeno(1,2,3-cd)pyrene	21.244	276	8702	22.51	ng/ml	52
96) Dibenz(a,h)anthracene	21.309	278	6918	19.16	ng/ml	81
97) Benzo(g,h,i)perylene	21.779	276	6873	18.52	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	222685	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	920770	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.830	162	493976	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	884011	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	825159	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.848	264	767893	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.244	292	667836	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	3206	21.86	ng/ml	0.01
5) Phenol-d6(Surr)	6.402	99	3292	39.98	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	3021	31.48	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	5784	16.24	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.633	330	568	21.33	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.211	244	8027	18.46	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.129	74	2321	25.11	ng/ml	72
3) Pyridine	4.188	79	2883	25.06	ng/ml	89
6) Phenol	6.423	94	3852	37.32	ng/ml	95
7) Aniline	6.455	93	4124	24.35	ng/ml	83
8) Bis(2-chloroethyl) ether	6.509	93	4045	24.51	ng/ml	84
9) 2-Chlorophenol	6.573	128	2673	17.80	ng/ml	74
10) 1,3-Dichlorobenzene	6.723	146	3599	19.17	ng/ml	89
11) 1,4-Dichlorobenzene	6.792	146	3862	21.05	ng/ml	98
12) Benzyl alcohol	6.910	108	366	30.39	ng/ml#	1
13) 1,2-Dichlorobenzene	6.948	146	3625	20.48	ng/ml	95
14) 2-Methylphenol	7.017	107	1845	33.12	ng/ml	96
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	4669	26.01	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	2627	26.48	ng/ml	92
17) 3+4-Methylphenol	7.167	107	2502	38.99	ng/ml	81
18) Hexachloroethane	7.290	201	1246	20.64	ng/ml#	73
20) Nitrobenzene	7.343	77	2958	23.85	ng/ml	95
22) Isophorone	7.573	82	6043	21.24	ng/ml	89
23) 2-Nitrophenol	7.659	139	847	24.53	ng/ml	86
24) 2,4-Dimethylphenol	7.696	122	1791	31.31	ng/ml	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	2932	20.02	ng/ml	88
26) Benzoic acid	7.782	105	117	130.43	ng/ml	87
27) 2,4-Dichlorophenol	7.905	162	1618	40.17	ng/ml	91
28) 1,2,4-Trichlorobenzene	7.991	180	3050	20.86	ng/ml	92
29) Naphthalene	8.065	128	10204	21.39	ng/ml	100
30) 4-Chloroaniline	8.114	127	1801	35.04	ng/ml	86
31) Hexachlorobutadiene	8.194	225	1980	23.35	ng/ml	82
32) 4-Chloro-3-methylphenol	8.595	107	2140	35.54	ng/ml	80
33) 2-Methylnaphthalene	8.771	142	4879	14.91	ng/ml	84
34) 1-Methylnaphthalene	8.868	142	5241	16.21	ng/ml	90
36) Hexachlorocyclopentadiene	8.937	237	756	37.45	ng/ml	81
37) 2,4,6-Trichlorophenol	9.050	196	1156	38.17	ng/ml	84
38) 2,4,5-Trichlorophenol	9.087	198	1163	33.84	ng/ml	81
39) 1,1'-Biphenyl	9.237	154	7029	18.41	ng/ml	91
41) 2-Chloronaphthalene	9.264	162	4914	17.49	ng/ml	78
42) 2-Nitroaniline	9.354	138	1222	25.88	ng/ml	96
43) 2,6-Dimethylnaphthalene	9.397	156	5487	18.06	ng/ml	95
44) 1,4-Dinitrobenzene	9.477	168	409	24.25	ng/ml#	65
45) Dimethyl phthalate	9.531	163	8064	22.22	ng/ml	94
46) 1,3-Dinitrobenzene	9.563	168	467	9.71	ng/ml	79
47) 2,6-Dinitrotoluene	9.595	165	969	13.13	ng/ml	70
48) 1,2-Dinitrobenzene	9.649	168	504	13.74	ng/ml	67
49) Acenaphthylene	9.686	152	9642	19.54	ng/ml	95
50) 3-Nitroaniline	9.772	138	960	21.68	ng/ml	82
51) Acenaphthene	9.863	153	7304	22.46	ng/ml	92
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.932	139	336	30.11	ng/ml#	52
54) 2,4-Dinitrotoluene	10.007	165	1342	14.05	ng/ml#	59
55) Dibenzofuran	10.039	168	9612	21.25	ng/ml	86
56) 2,3,5,6-Tetrachlorophenol	10.119	232	742	26.75	ng/ml	80
57) 2,3,4,6-Tetrachlorophenol	10.162	232	867	25.50	ng/ml	79
58) Diethyl phthalate	10.253	149	7709	22.89	ng/ml	93
59) 2,3,5-Trimethylnaphtha...	10.248	170	6467	21.92	ng/ml	97
60) Fluorene	10.387	166	8031	21.97	ng/ml	93
61) 4-Chlorophenyl phenyl ...	10.381	204	3709	21.25	ng/ml	87
62) 4-Nitroaniline	10.387	138	877	15.59	ng/ml	96
63) 4,6-Dinitro-2-methylph...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

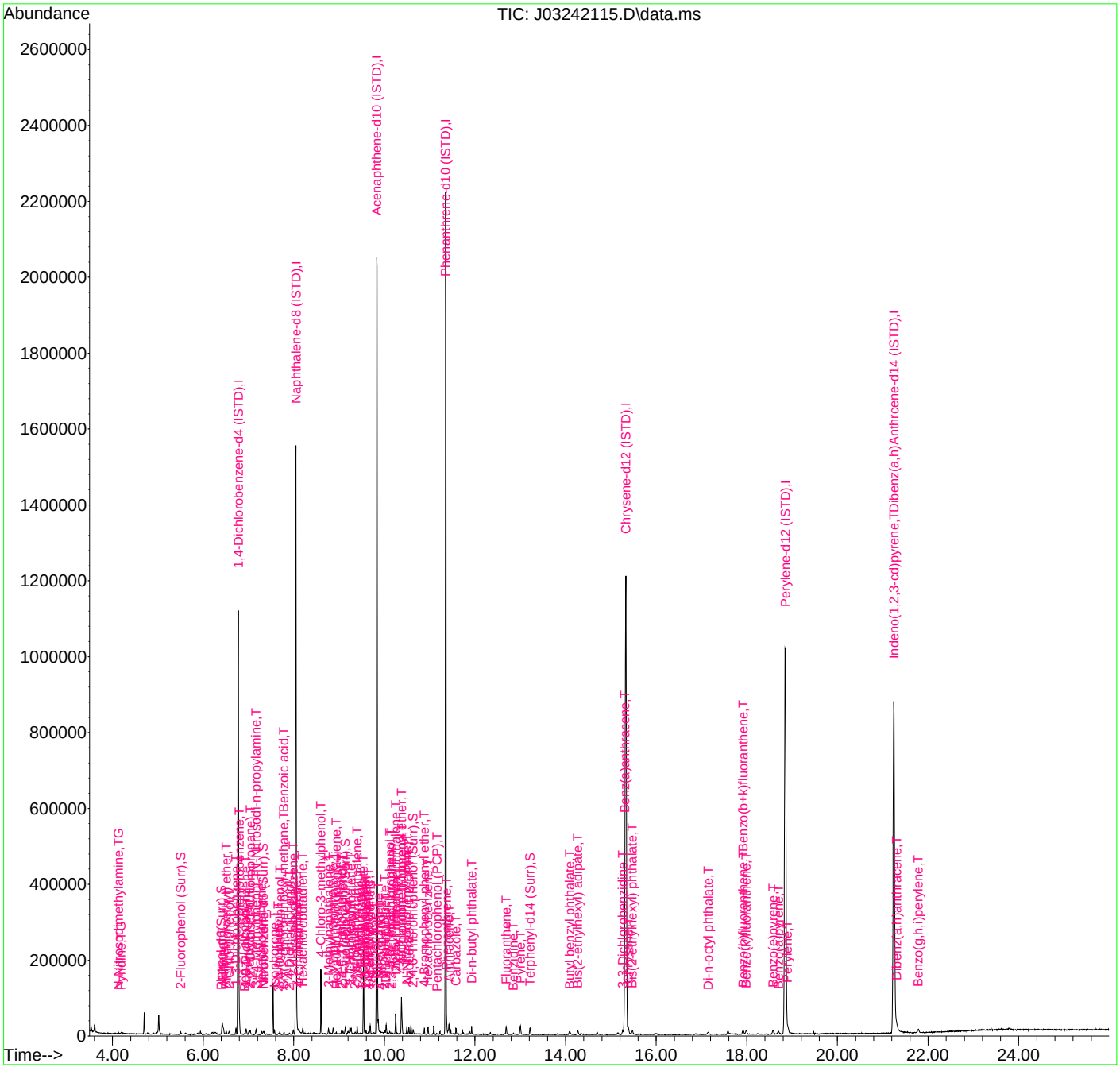
Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	5745	21.55	ng/ml	96
66) Azobenzene (1,2-DPH)	10.542	77	6593	24.80	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.884	248	2109	21.62	ng/ml	86
69) Hexachlorobenzene	10.959	284	2310	20.31	ng/ml	88
70) Pentachlorophenol (PCP)	11.162	266	420	35.49	ng/ml#	58
71) Phenanthrene	11.371	178	11499	22.54	ng/ml	98
72) Anthracene	11.424	178	10802	22.21	ng/ml	98
73) Carbazole	11.579	167	7728	22.76	ng/ml	90
74) Di-n-butyl phthalate	11.927	149	11284	21.84	ng/ml	95
75) Fluoranthene	12.687	202	11020	21.18	ng/ml	95
76) Benzidine	12.847	184	2120	53.10	ng/ml	96
77) Pyrene	13.002	202	11234	20.73	ng/ml	95
80) Butyl benzyl phthalate	14.088	149	3416	25.05	ng/ml	86
81) Bis(2-ethylhexyl) adipate	14.270	129	2920	14.92	ng/ml	85
82) 3,3-Dichlorobenzidine	15.259	252	4007	41.27	ng/ml	99
83) Benz(a)anthracene	15.307	228	11089	22.62	ng/ml	96
84) Chrysene	15.382	228	9236	20.18	ng/ml	88
85) Bis(2-ethylhexyl) phth...	15.468	149	4568	16.17	ng/ml	92
87) Di-n-octyl phthalate	17.147	149	5797	26.18	ng/ml	86
88) Benzo(b)fluoranthene	17.918	252	8658	18.67	ng/ml	97
89) Benzo(k)fluoranthene	17.982	252	7511	17.41	ng/ml	96
90) Benzo(b+k)fluoranthene	17.918	252	17035	37.04	ng/ml	96
91) Benzo(e)pyrene	18.575	252	9041	20.09	ng/ml	88
92) Benzo(a)pyrene	18.698	252	7147	22.19	ng/ml	97
93) Perylene	18.896	252	7538	19.79	ng/ml	95
95) Indeno(1,2,3-cd)pyrene	21.244	276	8702	22.51	ng/ml	52
96) Dibenz(a,h)anthracene	21.309	278	6918	19.16	ng/ml	81
97) Benzo(g,h,i)perylene	21.779	276	6873	18.52	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242115.D
Acq On : 24 Mar 2021 9:18 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL1
Misc : 1x, A21C126 BNA@20
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 25 11:45:12 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.771	152	210397	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	928928	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.830	162	496260	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	823559	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.323	240	719537	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.848	264	668054	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.239	292	558914	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.493	112	5730	41.35	ng/ml	0.00
5) Phenol-d6(Surr)	6.402	99	8102	75.65	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	7469	73.75	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	19340	54.05	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.633	330	1586	47.33	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	19008	50.12	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.091	74	5615	64.29	ng/ml	68
3) Pyridine	4.150	79	6969	63.43	ng/ml	81
6) Phenol	6.418	94	9413	74.39	ng/ml	91
7) Aniline	6.450	93	10697	66.86	ng/ml	89
8) Bis(2-chloroethyl) ether	6.504	93	9049	58.03	ng/ml	76
9) 2-Chlorophenol	6.568	128	7609	53.62	ng/ml	84
10) 1,3-Dichlorobenzene	6.723	146	9371	52.84	ng/ml	96
11) 1,4-Dichlorobenzene	6.787	146	9624	55.51	ng/ml	92
12) Benzyl alcohol	6.910	108	2883	60.18	ng/ml#	69
13) 1,2-Dichlorobenzene	6.947	146	8761	52.40	ng/ml	97
14) 2-Methylphenol	7.012	107	5477	68.43	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	11211	66.10	ng/ml	73
16) N-Nitrosodi-n-propylamine	7.167	70	6106	65.13	ng/ml	85
17) 3+4-Methylphenol	7.161	107	6673	71.59	ng/ml	88
18) Hexachloroethane	7.284	201	2530	44.35	ng/ml	88
20) Nitrobenzene	7.338	77	7510	64.10	ng/ml	86
22) Isophorone	7.573	82	16695	58.16	ng/ml	88
23) 2-Nitrophenol	7.664	139	2875	53.36	ng/ml	65
24) 2,4-Dimethylphenol	7.691	122	5992	59.90	ng/ml	82

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	8580	58.06	ng/ml	93
26) Benzoic acid	7.760	105	300	137.67	ng/ml#	61
27) 2,4-Dichlorophenol	7.900	162	4309	62.19	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	7390	50.11	ng/ml	95
29) Naphthalene	8.071	128	26574	55.22	ng/ml	99
30) 4-Chloroaniline	8.119	127	5230	65.42	ng/ml	93
31) Hexachlorobutadiene	8.199	225	4177	48.83	ng/ml	88
32) 4-Chloro-3-methylphenol	8.595	107	5132	58.73	ng/ml	83
33) 2-Methylnaphthalene	8.766	142	16194	49.07	ng/ml	98
34) 1-Methylnaphthalene	8.868	142	16371	50.18	ng/ml	94
36) Hexachlorocyclopentadiene	8.937	237	2730	60.63	ng/ml	90
37) 2,4,6-Trichlorophenol	9.055	196	2915	55.66	ng/ml	89
38) 2,4,5-Trichlorophenol	9.087	198	3183	54.73	ng/ml	93
39) 1,1'-Biphenyl	9.237	154	20856	54.39	ng/ml	99
41) 2-Chloronaphthalene	9.263	162	14998	53.15	ng/ml	92
42) 2-Nitroaniline	9.354	138	2953	46.89	ng/ml	71
43) 2,6-Dimethylnaphthalene	9.397	156	16881	55.31	ng/ml	97
44) 1,4-Dinitrobenzene	9.483	168	1067	41.43	ng/ml#	54
45) Dimethyl phthalate	9.536	163	19451	53.35	ng/ml	93
46) 1,3-Dinitrobenzene	9.563	168	1476	30.55	ng/ml	58
47) 2,6-Dinitrotoluene	9.595	165	3374	45.50	ng/ml	72
48) 1,2-Dinitrobenzene	9.654	168	1521	41.27	ng/ml#	62
49) Acenaphthylene	9.686	152	27365	55.19	ng/ml	98
50) 3-Nitroaniline	9.772	138	2669	50.52	ng/ml	88
51) Acenaphthene	9.862	153	18226	55.78	ng/ml	95
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.937	139	738	40.12	ng/ml#	80
54) 2,4-Dinitrotoluene	10.007	165	2924	30.46	ng/ml#	47
55) Dibenzofuran	10.039	168	25503	56.13	ng/ml	99
56) 2,3,5,6-Tetrachlorophenol	10.119	232	1856	45.42	ng/ml	79
57) 2,3,4,6-Tetrachlorophenol	10.167	232	2288	46.84	ng/ml	86
58) Diethyl phthalate	10.253	149	18614	55.02	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	10.248	170	16225	54.75	ng/ml	89
60) Fluorene	10.387	166	19121	52.06	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.381	204	8977	51.20	ng/ml	93
62) 4-Nitroaniline	10.392	138	2231	39.47	ng/ml	92
63) 4,6-Dinitro-2-methylph...	10.429	198	475	71.23	ng/ml	67

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

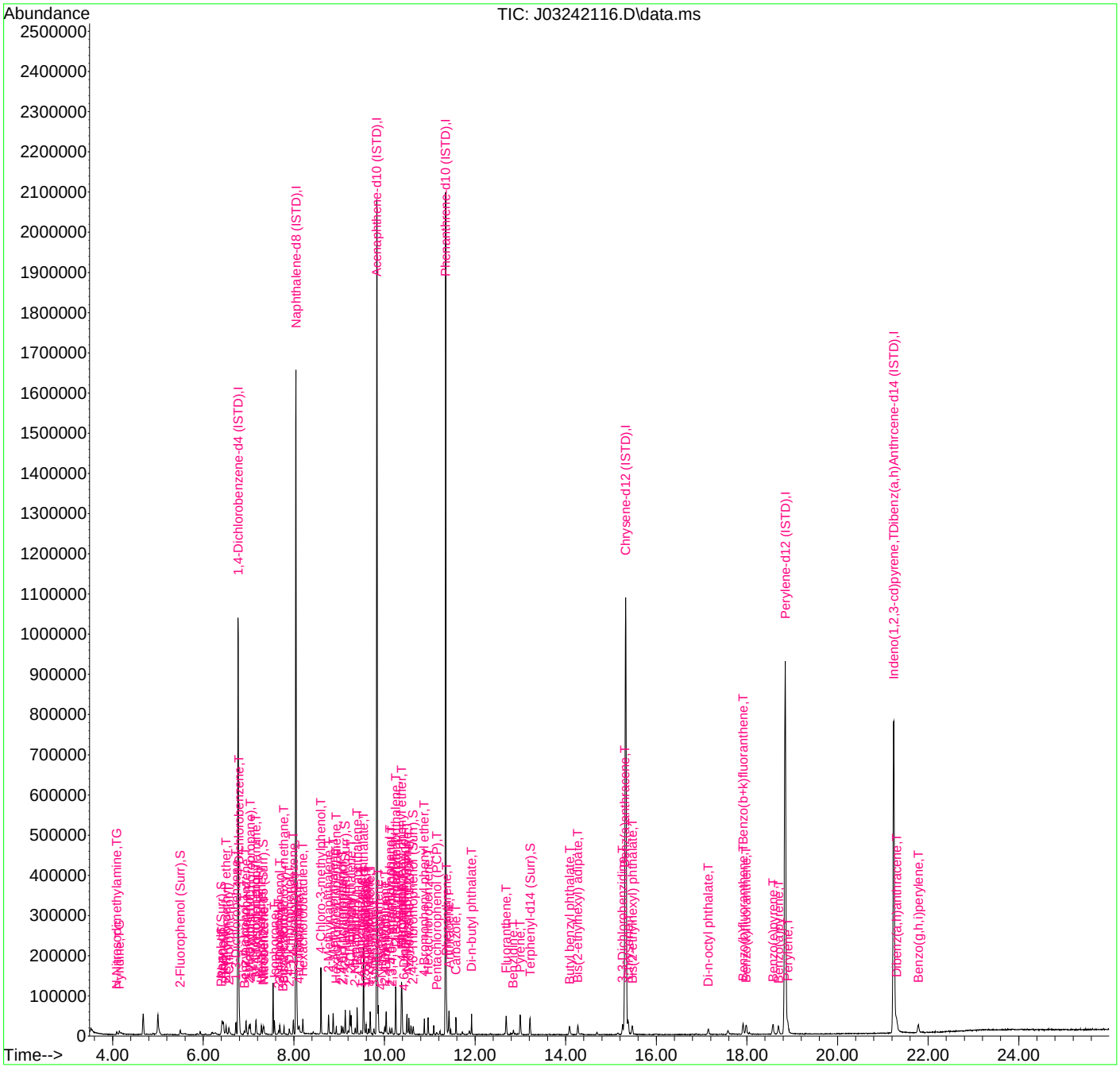
Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	14246	57.36	ng/ml	97
66) Azobenzene (1,2-DPH)	10.542	77	16464	66.47	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.879	248	4769	52.47	ng/ml	86
69) Hexachlorobenzene	10.964	284	5958	56.23	ng/ml	82
70) Pentachlorophenol (PCP)	11.157	266	737	45.79	ng/ml	80
71) Phenanthrene	11.371	178	27303	57.45	ng/ml	100
72) Anthracene	11.424	178	24908	54.98	ng/ml	98
73) Carbazole	11.579	167	18728	51.04	ng/ml	96
74) Di-n-butyl phthalate	11.922	149	26447	54.95	ng/ml	99
75) Fluoranthene	12.687	202	24339	50.21	ng/ml	96
76) Benzidine	12.842	184	5655	101.98	ng/ml	93
77) Pyrene	12.997	202	26774	53.02	ng/ml	99
80) Butyl benzyl phthalate	14.088	149	8301	54.19	ng/ml	93
81) Bis(2-ethylhexyl) adipate	14.270	129	6382	37.40	ng/ml	97
82) 3,3-Dichlorobenzidine	15.254	252	9914	128.75	ng/ml	86
83) Benz(a)anthracene	15.302	228	22793	53.32	ng/ml	98
84) Chrysene	15.388	228	22312	55.91	ng/ml	93
85) Bis(2-ethylhexyl) phth...	15.473	149	10272	41.71	ng/ml	97
87) Di-n-octyl phthalate	17.147	149	12907	45.63	ng/ml	91
88) Benzo(b)fluoranthene	17.918	252	19517	48.38	ng/ml	88
89) Benzo(k)fluoranthene	17.982	252	18016	48.00	ng/ml	94
90) Benzo(b+k)fluoranthene	17.918	252	38804	96.99	ng/ml	90
91) Benzo(e)pyrene	18.575	252	19143	48.91	ng/ml	91
92) Benzo(a)pyrene	18.698	252	15498	46.82	ng/ml	90
93) Perylene	18.907	252	16845	50.83	ng/ml	97
95) Indeno(1,2,3-cd)pyrene	21.239	276	16448	50.84	ng/ml#	36
96) Dibenz(a,h)anthracene	21.309	278	14639	48.44	ng/ml	97
97) Benzo(g,h,i)perylene	21.785	276	15964	51.39	ng/ml	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.771	152	210397	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	928928	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.830	162	496260	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	823559	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.323	240	719537	2000.00	ng/ml	-0.02
86) Perylene-d12 (ISTD)	18.848	264	668054	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.239	292	558914	2000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.493	112	5730	41.35	ng/ml	0.00
5) Phenol-d6(Surr)	6.402	99	8102	75.65	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	7469	73.75	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	19340	54.05	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.633	330	1586	47.33	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	19008	50.12	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.091	74	5615	64.29	ng/ml	68
3) Pyridine	4.150	79	6969	63.43	ng/ml	81
6) Phenol	6.418	94	9413	74.39	ng/ml	91
7) Aniline	6.450	93	10697	66.86	ng/ml	89
8) Bis(2-chloroethyl) ether	6.504	93	9049	58.03	ng/ml	76
9) 2-Chlorophenol	6.568	128	7609	53.62	ng/ml	84
10) 1,3-Dichlorobenzene	6.723	146	9371	52.84	ng/ml	96
11) 1,4-Dichlorobenzene	6.787	146	9624	55.51	ng/ml	92
12) Benzyl alcohol	6.910	108	2883	60.18	ng/ml#	69
13) 1,2-Dichlorobenzene	6.947	146	8761	52.40	ng/ml	97
14) 2-Methylphenol	7.012	107	5477	68.43	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	11211	66.10	ng/ml	73
16) N-Nitrosodi-n-propylamine	7.167	70	6106	65.13	ng/ml	85
17) 3+4-Methylphenol	7.161	107	6673	71.59	ng/ml	88
18) Hexachloroethane	7.284	201	2530	44.35	ng/ml	88
20) Nitrobenzene	7.338	77	7510	64.10	ng/ml	86
22) Isophorone	7.573	82	16695	58.16	ng/ml	88
23) 2-Nitrophenol	7.664	139	2875	53.36	ng/ml	65
24) 2,4-Dimethylphenol	7.691	122	5992	59.90	ng/ml	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	8580	58.06	ng/ml	93
26) Benzoic acid	7.760	105	300	137.67	ng/ml#	61
27) 2,4-Dichlorophenol	7.900	162	4309	62.19	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	7390	50.11	ng/ml	95
29) Naphthalene	8.071	128	26574	55.22	ng/ml	99
30) 4-Chloroaniline	8.119	127	5230	65.42	ng/ml	93
31) Hexachlorobutadiene	8.199	225	4177	48.83	ng/ml	88
32) 4-Chloro-3-methylphenol	8.595	107	5132	58.73	ng/ml	83
33) 2-Methylnaphthalene	8.766	142	16194	49.07	ng/ml	98
34) 1-Methylnaphthalene	8.868	142	16371	50.18	ng/ml	94
36) Hexachlorocyclopentadiene	8.937	237	2730	60.63	ng/ml	90
37) 2,4,6-Trichlorophenol	9.055	196	2915	55.66	ng/ml	89
38) 2,4,5-Trichlorophenol	9.087	198	3183	54.73	ng/ml	93
39) 1,1'-Biphenyl	9.237	154	20856	54.39	ng/ml	99
41) 2-Chloronaphthalene	9.263	162	14998	53.15	ng/ml	92
42) 2-Nitroaniline	9.354	138	2953	46.89	ng/ml	71
43) 2,6-Dimethylnaphthalene	9.397	156	16881	55.31	ng/ml	97
44) 1,4-Dinitrobenzene	9.483	168	1067	41.43	ng/ml#	54
45) Dimethyl phthalate	9.536	163	19451	53.35	ng/ml	93
46) 1,3-Dinitrobenzene	9.563	168	1476	30.55	ng/ml	58
47) 2,6-Dinitrotoluene	9.595	165	3374	45.50	ng/ml	72
48) 1,2-Dinitrobenzene	9.654	168	1521	41.27	ng/ml#	62
49) Acenaphthylene	9.686	152	27365	55.19	ng/ml	98
50) 3-Nitroaniline	9.772	138	2669	50.52	ng/ml	88
51) Acenaphthene	9.862	153	18226	55.78	ng/ml	95
52) 2,4-Dinitrophenol	0.000		0	N.D.		
53) 4-Nitrophenol	9.937	139	738	40.12	ng/ml#	80
54) 2,4-Dinitrotoluene	10.007	165	2924	30.46	ng/ml#	47
55) Dibenzofuran	10.039	168	25503	56.13	ng/ml	99
56) 2,3,5,6-Tetrachlorophenol	10.119	232	1856	45.42	ng/ml	79
57) 2,3,4,6-Tetrachlorophenol	10.167	232	2288	46.84	ng/ml	86
58) Diethyl phthalate	10.253	149	18614	55.02	ng/ml	96
59) 2,3,5-Trimethylnaphtha...	10.248	170	16225	54.75	ng/ml	89
60) Fluorene	10.387	166	19121	52.06	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.381	204	8977	51.20	ng/ml	93
62) 4-Nitroaniline	10.392	138	2231	39.47	ng/ml	92
63) 4,6-Dinitro-2-methylph...	10.429	198	475	71.23	ng/ml	67

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

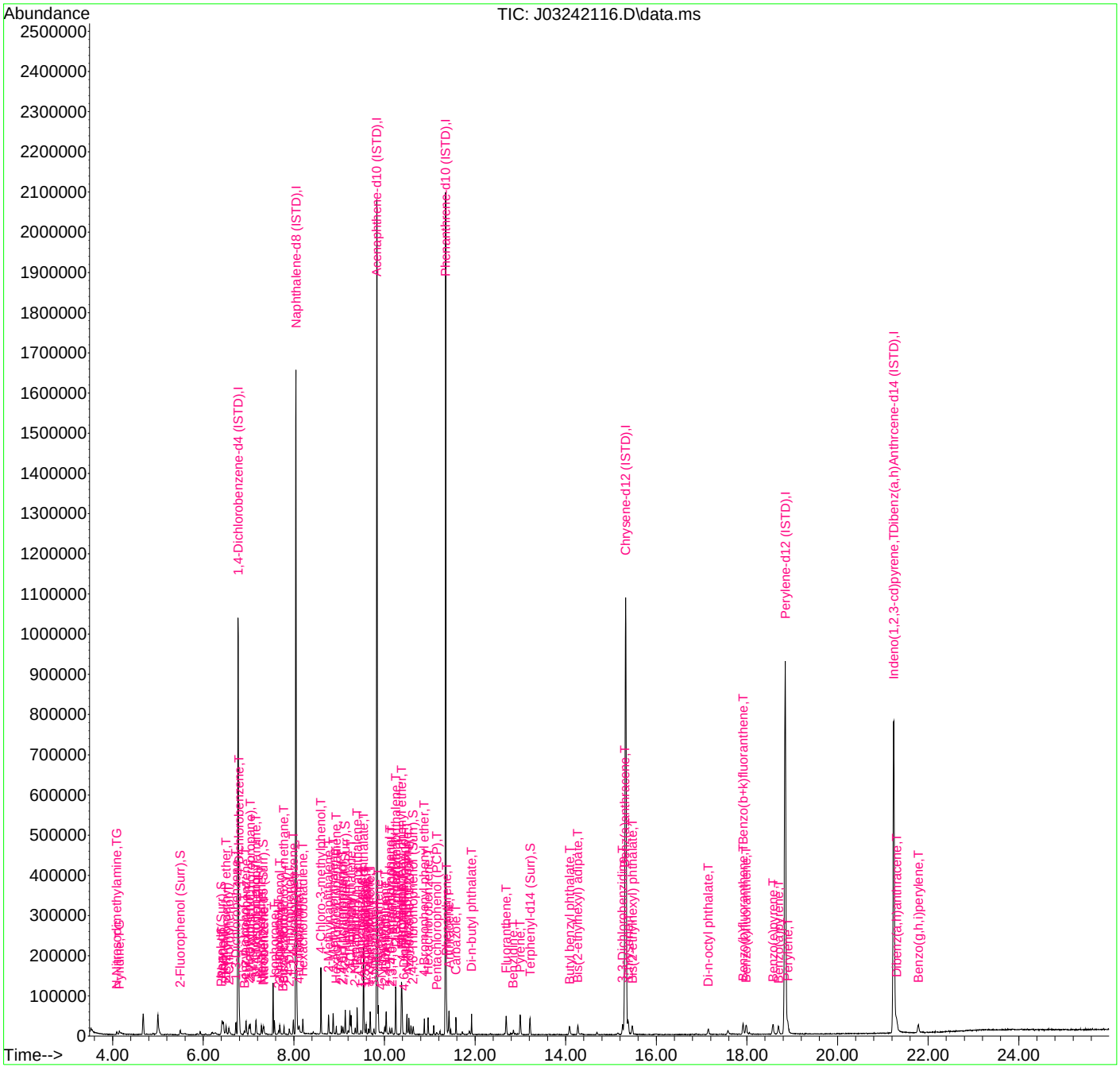
Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	14246	57.36	ng/ml	97
66) Azobenzene (1,2-DPH)	10.542	77	16464	66.47	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.879	248	4769	52.47	ng/ml	86
69) Hexachlorobenzene	10.964	284	5958	56.23	ng/ml	82
70) Pentachlorophenol (PCP)	11.157	266	737	45.79	ng/ml	80
71) Phenanthrene	11.371	178	27303	57.45	ng/ml	100
72) Anthracene	11.424	178	24908	54.98	ng/ml	98
73) Carbazole	11.579	167	18728	51.04	ng/ml	96
74) Di-n-butyl phthalate	11.922	149	26447	54.95	ng/ml	99
75) Fluoranthene	12.687	202	24339	50.21	ng/ml	96
76) Benzidine	12.842	184	5655	101.98	ng/ml	93
77) Pyrene	12.997	202	26774	53.02	ng/ml	99
80) Butyl benzyl phthalate	14.088	149	8301	54.19	ng/ml	93
81) Bis(2-ethylhexyl) adipate	14.270	129	6382	37.40	ng/ml	97
82) 3,3-Dichlorobenzidine	15.254	252	9914	128.75	ng/ml	86
83) Benz(a)anthracene	15.302	228	22793	53.32	ng/ml	98
84) Chrysene	15.388	228	22312	55.91	ng/ml	93
85) Bis(2-ethylhexyl) phth...	15.473	149	10272	41.71	ng/ml	97
87) Di-n-octyl phthalate	17.147	149	12907	45.63	ng/ml	91
88) Benzo(b)fluoranthene	17.918	252	19517	48.38	ng/ml	88
89) Benzo(k)fluoranthene	17.982	252	18016	48.00	ng/ml	94
90) Benzo(b+k)fluoranthene	17.918	252	38804	96.99	ng/ml	90
91) Benzo(e)pyrene	18.575	252	19143	48.91	ng/ml	91
92) Benzo(a)pyrene	18.698	252	15498	46.82	ng/ml	90
93) Perylene	18.907	252	16845	50.83	ng/ml	97
95) Indeno(1,2,3-cd)pyrene	21.239	276	16448	50.84	ng/ml#	36
96) Dibenz(a,h)anthracene	21.309	278	14639	48.44	ng/ml	97
97) Benzo(g,h,i)perylene	21.785	276	15964	51.39	ng/ml	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242116.D
Acq On : 24 Mar 2021 9:54 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL2
Misc : 1x, A21C127 BNA@50
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 25 11:48:24 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:51:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.771	152	210076	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	938808	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	500590	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	862229	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	770451	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.848	264	725980	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.250	292	622552	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.493	112	11935	86.25	ng/ml	0.00
5) Phenol-d6(Surr)	6.396	99	17242	140.78	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	15227	144.63	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	40821	113.09	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.633	330	3692	94.96	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	42991	105.86	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.081	74	12190	139.79	ng/ml	83
3) Pyridine	4.129	79	15357	138.96	ng/ml	74
6) Phenol	6.413	94	20459	145.21	ng/ml	84
7) Aniline	6.445	93	21305	133.36	ng/ml	83
8) Bis(2-chloroethyl) ether	6.503	93	18352	117.87	ng/ml	84
9) 2-Chlorophenol	6.568	128	15621	110.25	ng/ml	87
10) 1,3-Dichlorobenzene	6.723	146	18770	105.99	ng/ml	96
11) 1,4-Dichlorobenzene	6.787	146	18373	106.14	ng/ml	98
12) Benzyl alcohol	6.905	108	7603	115.52	ng/ml	93
13) 1,2-Dichlorobenzene	6.947	146	17795	106.59	ng/ml	93
14) 2-Methylphenol	7.012	107	11822	128.51	ng/ml	91
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	22079	130.38	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	11834	126.43	ng/ml	84
17) 3+4-Methylphenol	7.161	107	14196	128.56	ng/ml	94
18) Hexachloroethane	7.284	201	5333	93.64	ng/ml	92
20) Nitrobenzene	7.343	77	15874	135.69	ng/ml	89
22) Isophorone	7.573	82	36263	124.99	ng/ml	90
23) 2-Nitrophenol	7.659	139	6132	98.75	ng/ml	74
24) 2,4-Dimethylphenol	7.691	122	12308	102.16	ng/ml	85

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:51:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	17386	116.42	ng/ml	96
26) Benzoic acid	7.814	105	220	134.40	ng/ml#	63
27) 2,4-Dichlorophenol	7.905	162	10107	108.98	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	15600	104.66	ng/ml	99
29) Naphthalene	8.071	128	53598	110.21	ng/ml	98
30) 4-Chloroaniline	8.113	127	12892	132.27	ng/ml	91
31) Hexachlorobutadiene	8.199	225	8449	97.72	ng/ml	91
32) 4-Chloro-3-methylphenol	8.595	107	10986	103.47	ng/ml	91
33) 2-Methylnaphthalene	8.766	142	33235	99.64	ng/ml	94
34) 1-Methylnaphthalene	8.868	142	33744	102.34	ng/ml	97
36) Hexachlorocyclopentadiene	8.937	237	5950	97.89	ng/ml	84
37) 2,4,6-Trichlorophenol	9.049	196	7499	100.72	ng/ml	94
38) 2,4,5-Trichlorophenol	9.087	198	7495	98.74	ng/ml	97
39) 1,1'-Biphenyl	9.237	154	45961	118.82	ng/ml	96
41) 2-Chloronaphthalene	9.263	162	32390	113.79	ng/ml	93
42) 2-Nitroaniline	9.354	138	7972	106.88	ng/ml	67
43) 2,6-Dimethylnaphthalene	9.402	156	33729	109.55	ng/ml	97
44) 1,4-Dinitrobenzene	9.483	168	2880	88.00	ng/ml	77
45) Dimethyl phthalate	9.536	163	39784	108.18	ng/ml	95
46) 1,3-Dinitrobenzene	9.563	168	3776	77.48	ng/ml	70
47) 2,6-Dinitrotoluene	9.595	165	7248	96.89	ng/ml	71
48) 1,2-Dinitrobenzene	9.654	168	3582	96.36	ng/ml#	51
49) Acenaphthylene	9.686	152	55252	110.47	ng/ml	98
50) 3-Nitroaniline	9.771	138	6744	118.76	ng/ml	92
51) Acenaphthene	9.868	153	37243	113.00	ng/ml	99
52) 2,4-Dinitrophenol	9.873	184	228	256.59	ng/ml#	5
53) 4-Nitrophenol	9.927	139	2327	79.13	ng/ml	78
54) 2,4-Dinitrotoluene	10.007	165	7406	76.49	ng/ml	74
55) Dibenzofuran	10.039	168	50615	110.44	ng/ml	98
56) 2,3,5,6-Tetrachlorophenol	10.119	232	5246	101.35	ng/ml	90
57) 2,3,4,6-Tetrachlorophenol	10.162	232	5452	93.65	ng/ml	93
58) Diethyl phthalate	10.253	149	39292	115.13	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	10.248	170	32373	108.29	ng/ml	95
60) Fluorene	10.392	166	39810	107.44	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.381	204	18219	103.01	ng/ml	92
62) 4-Nitroaniline	10.392	138	4945	86.74	ng/ml	92
63) 4,6-Dinitro-2-methylph...	10.429	198	1375	93.92	ng/ml	64

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:51:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

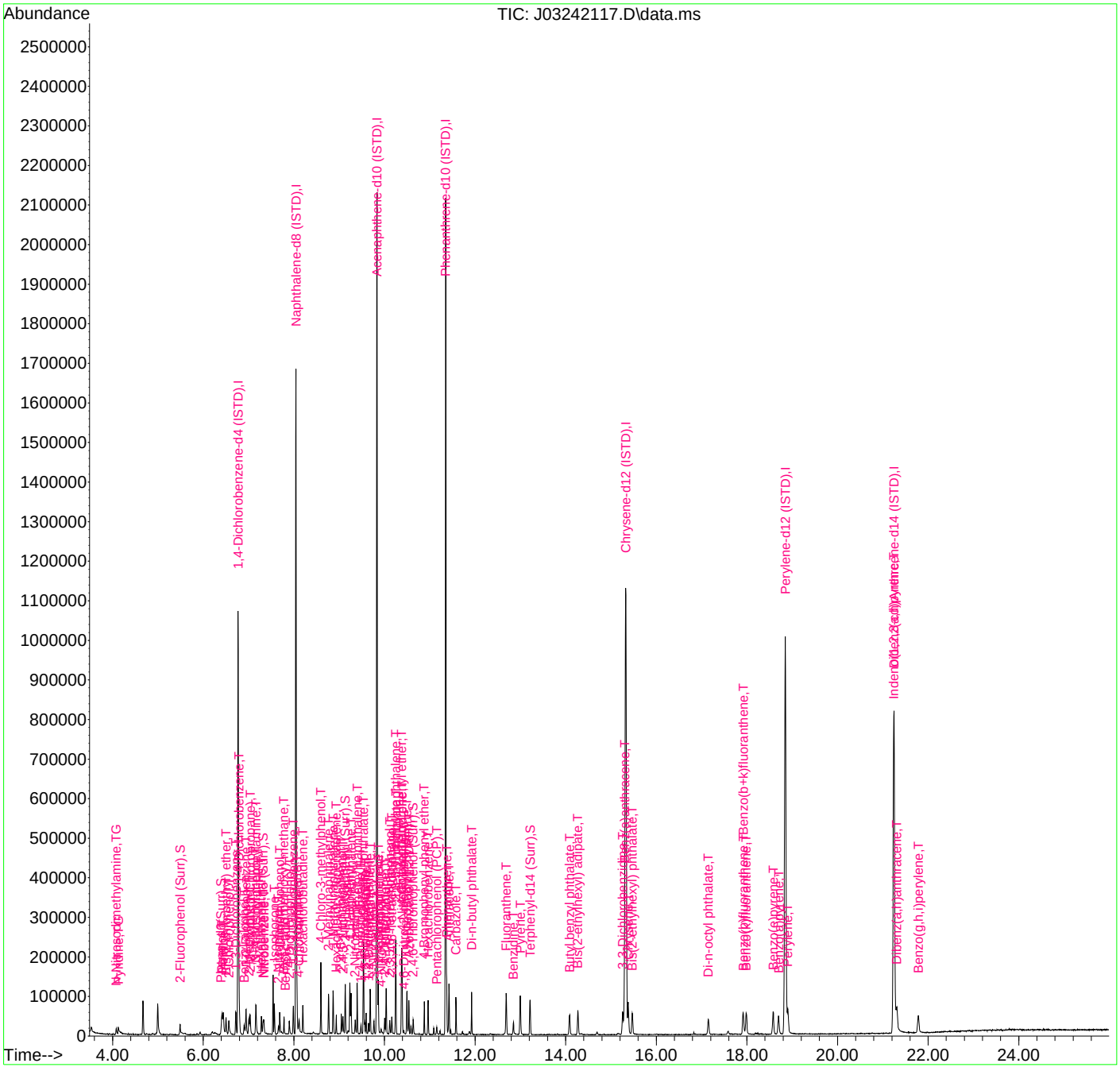
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	30982	119.16	ng/ml	99
66) Azobenzene (1,2-DPH)	10.542	77	36655	141.35	ng/ml	90
68) 4-Bromophenyl phenyl e...	10.879	248	10036	105.46	ng/ml	88
69) Hexachlorobenzene	10.964	284	11499	103.66	ng/ml	87
70) Pentachlorophenol (PCP)	11.157	266	2523	95.27	ng/ml	86
71) Phenanthrene	11.376	178	55963	112.48	ng/ml	98
72) Anthracene	11.424	178	53555	112.91	ng/ml	98
73) Carbazole	11.579	167	41480	102.59	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	56931	112.98	ng/ml	97
75) Fluoranthene	12.686	202	54064	106.52	ng/ml	98
76) Benzidine	12.847	184	16462	234.30	ng/ml	93
77) Pyrene	13.002	202	56586	107.04	ng/ml	99
80) Butyl benzyl phthalate	14.088	149	19398	107.74	ng/ml	91
81) Bis(2-ethylhexyl) adipate	14.270	129	18545	101.50	ng/ml	95
82) 3,3-Dichlorobenzidine	15.259	252	23911	299.44	ng/ml	97
83) Benz(a)anthracene	15.302	228	49691	108.57	ng/ml	95
84) Chrysene	15.382	228	45931	107.49	ng/ml	97
85) Bis(2-ethylhexyl) phth...	15.468	149	26669	101.13	ng/ml	95
87) Di-n-octyl phthalate	17.147	149	36067	95.59	ng/ml	95
88) Benzo(b)fluoranthene	17.923	252	43445	99.11	ng/ml	98
89) Benzo(k)fluoranthene	17.982	252	41597	101.99	ng/ml	96
90) Benzo(b+k)fluoranthene	17.923	252	87883	202.14	ng/ml	100
91) Benzo(e)pyrene	18.581	252	42719	100.43	ng/ml	97
92) Benzo(a)pyrene	18.704	252	37787	97.96	ng/ml	99
93) Perylene	18.902	252	38096	105.79	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.239	276	36665	101.75	ng/ml	79
96) Dibenz(a,h)anthracene	21.308	278	34384	102.15	ng/ml	88
97) Benzo(g,h,i)perylene	21.785	276	36248	104.75	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

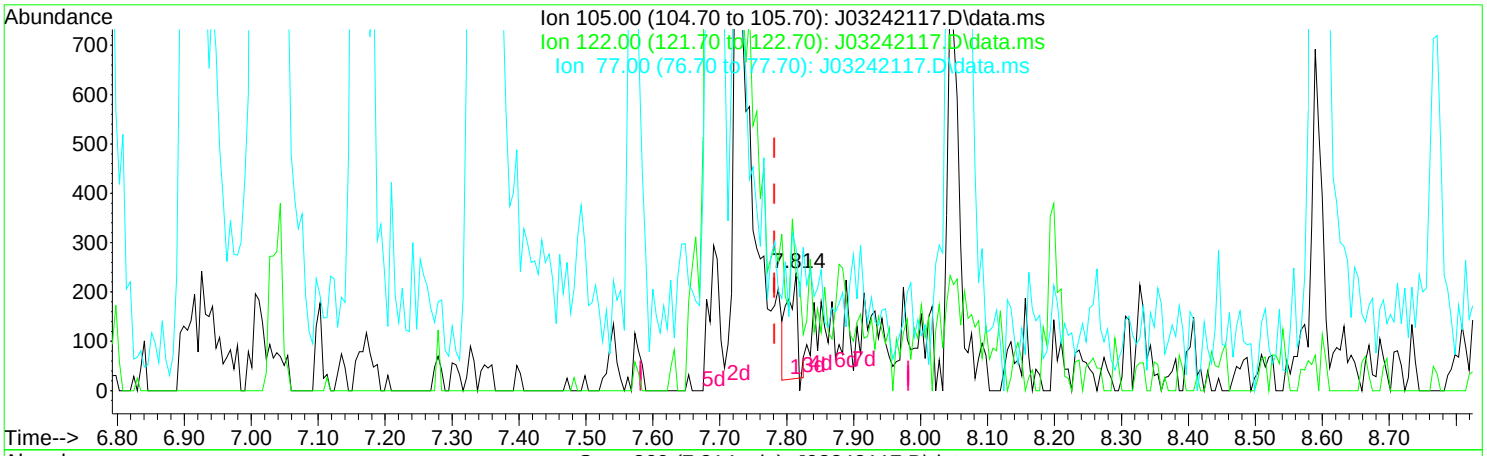
Quant Time: Mar 25 11:51:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

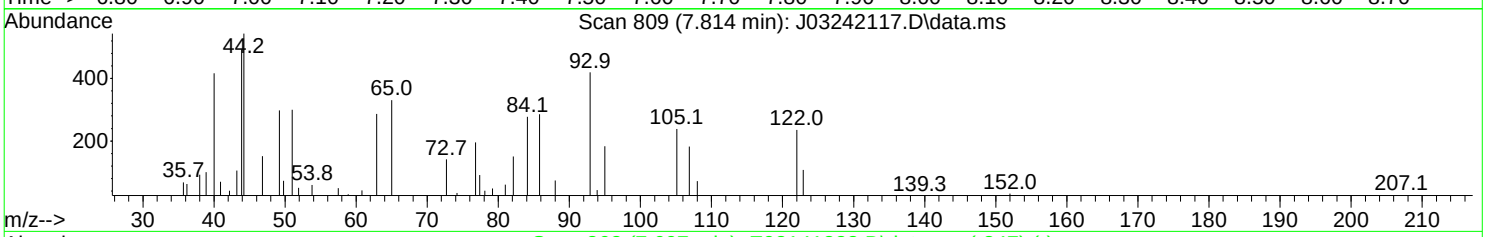


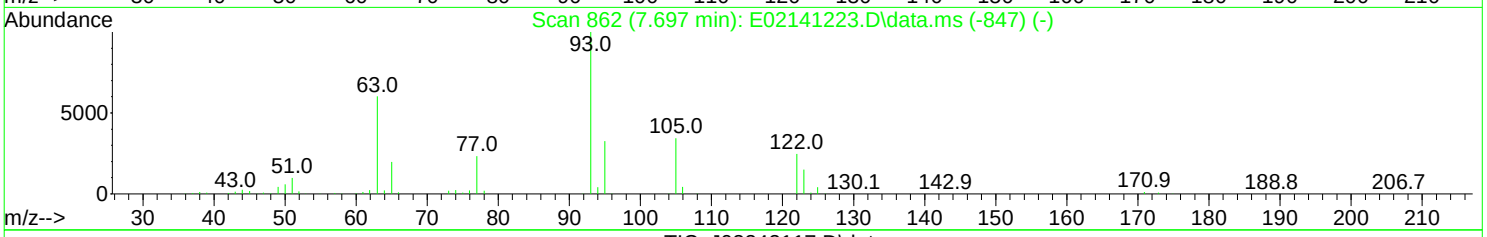
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:51:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242117.D\data.ms

(26) Benzoic acid (T)

7.814min (+ 0.032) 134.40 ng/ml

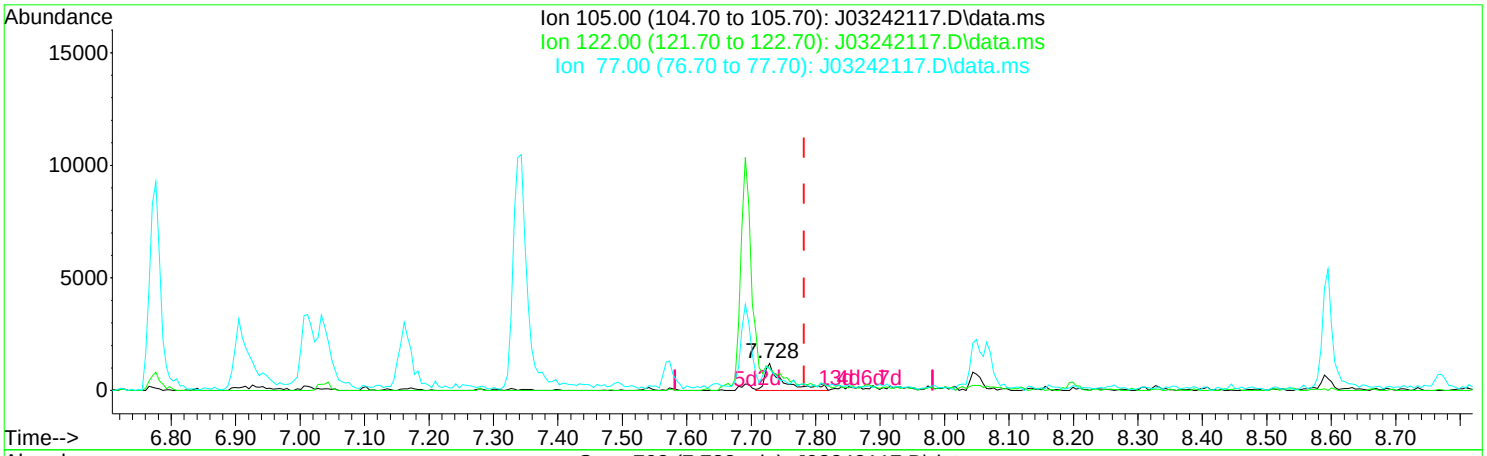
response 220

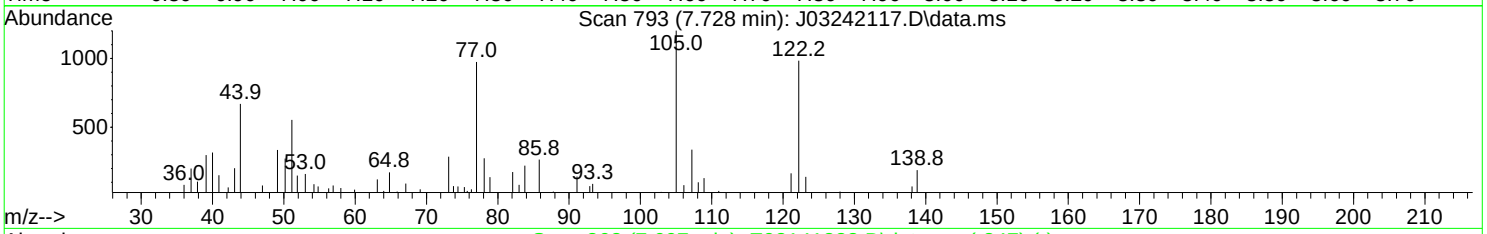
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	98.33
77.00	61.50	120.08#
0.00	0.00	0.00

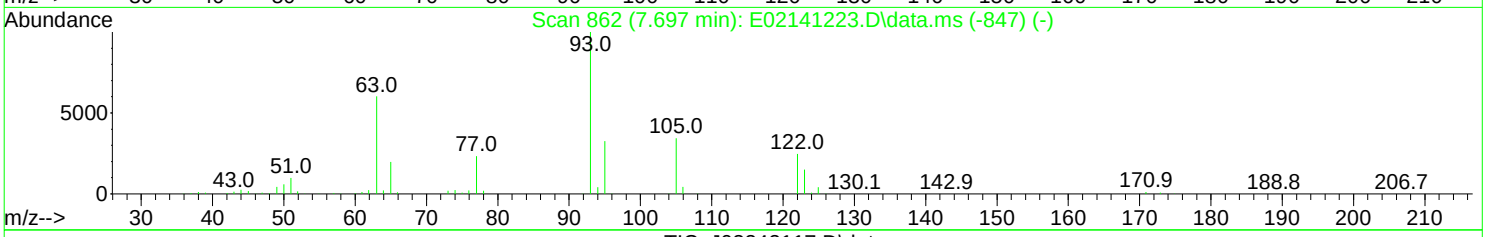
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:51:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242117.D\data.ms

(26) Benzoic acid (T)

7.728min (-0.054) 213.76 ng/ml m

response 2277

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	81.88
77.00	61.50	80.96
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:52:17 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.771	152	210076	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	938808	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	500590	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.349	188	862229	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	770451	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.848	264	725980	2000.00	ng/ml	-0.02
94) Dibenz(a,h)Anthrcene-d...	21.250	292	622552	2000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.493	112	11935	86.25	ng/ml	0.00
5) Phenol-d6(Surr)	6.396	99	17242	140.78	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	15227	144.63	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	40821	113.09	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.633	330	3692	94.96	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	42991	105.86	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.081	74	12190	139.79	ng/ml	83
3) Pyridine	4.129	79	15357	138.96	ng/ml	74
6) Phenol	6.413	94	20459	145.21	ng/ml	84
7) Aniline	6.445	93	21305	133.36	ng/ml	83
8) Bis(2-chloroethyl) ether	6.503	93	18352	117.87	ng/ml	84
9) 2-Chlorophenol	6.568	128	15621	110.25	ng/ml	87
10) 1,3-Dichlorobenzene	6.723	146	18770	105.99	ng/ml	96
11) 1,4-Dichlorobenzene	6.787	146	18373	106.14	ng/ml	98
12) Benzyl alcohol	6.905	108	7603	115.52	ng/ml	93
13) 1,2-Dichlorobenzene	6.947	146	17795	106.59	ng/ml	93
14) 2-Methylphenol	7.012	107	11822	128.51	ng/ml	91
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	22079	130.38	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	11834	126.43	ng/ml	84
17) 3+4-Methylphenol	7.161	107	14196	128.56	ng/ml	94
18) Hexachloroethane	7.284	201	5333	93.64	ng/ml	92
20) Nitrobenzene	7.343	77	15874	135.69	ng/ml	89
22) Isophorone	7.573	82	36263	124.99	ng/ml	90
23) 2-Nitrophenol	7.659	139	6132	98.75	ng/ml	74
24) 2,4-Dimethylphenol	7.691	122	12308	102.16	ng/ml	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:52:17 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	17386	116.42	ng/ml	96
26) Benzoic acid	7.728	105	2277m	213.76	ng/ml	
27) 2,4-Dichlorophenol	7.905	162	10107	108.98	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	15600	104.66	ng/ml	99
29) Naphthalene	8.071	128	53598	110.21	ng/ml	98
30) 4-Chloroaniline	8.113	127	12892	132.27	ng/ml	91
31) Hexachlorobutadiene	8.199	225	8449	97.72	ng/ml	91
32) 4-Chloro-3-methylphenol	8.595	107	10986	103.47	ng/ml	91
33) 2-Methylnaphthalene	8.766	142	33235	99.64	ng/ml	94
34) 1-Methylnaphthalene	8.868	142	33744	102.34	ng/ml	97
36) Hexachlorocyclopentadiene	8.937	237	5950	97.89	ng/ml	84
37) 2,4,6-Trichlorophenol	9.049	196	7499	100.72	ng/ml	94
38) 2,4,5-Trichlorophenol	9.087	198	7495	98.74	ng/ml	97
39) 1,1'-Biphenyl	9.237	154	45961	118.82	ng/ml	96
41) 2-Chloronaphthalene	9.263	162	32390	113.79	ng/ml	93
42) 2-Nitroaniline	9.354	138	7972	106.88	ng/ml	67
43) 2,6-Dimethylnaphthalene	9.402	156	33729	109.55	ng/ml	97
44) 1,4-Dinitrobenzene	9.483	168	2880	88.00	ng/ml	77
45) Dimethyl phthalate	9.536	163	39784	108.18	ng/ml	95
46) 1,3-Dinitrobenzene	9.563	168	3776	77.48	ng/ml	70
47) 2,6-Dinitrotoluene	9.595	165	7248	96.89	ng/ml	71
48) 1,2-Dinitrobenzene	9.654	168	3582	96.36	ng/ml#	51
49) Acenaphthylene	9.686	152	55252	110.47	ng/ml	98
50) 3-Nitroaniline	9.771	138	6744	118.76	ng/ml	92
51) Acenaphthene	9.868	153	37243	113.00	ng/ml	99
52) 2,4-Dinitrophenol	9.873	184	228	256.59	ng/ml#	5
53) 4-Nitrophenol	9.927	139	2327	79.13	ng/ml	78
54) 2,4-Dinitrotoluene	10.007	165	7406	76.49	ng/ml	74
55) Dibenzofuran	10.039	168	50615	110.44	ng/ml	98
56) 2,3,5,6-Tetrachlorophenol	10.119	232	5246	101.35	ng/ml	90
57) 2,3,4,6-Tetrachlorophenol	10.162	232	5452	93.65	ng/ml	93
58) Diethyl phthalate	10.253	149	39292	115.13	ng/ml	97
59) 2,3,5-Trimethylnaphtha...	10.248	170	32373	108.29	ng/ml	95
60) Fluorene	10.392	166	39810	107.44	ng/ml	98
61) 4-Chlorophenyl phenyl ...	10.381	204	18219	103.01	ng/ml	92
62) 4-Nitroaniline	10.392	138	4945	86.74	ng/ml	92
63) 4,6-Dinitro-2-methylph...	10.429	198	1375	93.92	ng/ml	64

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:52:17 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

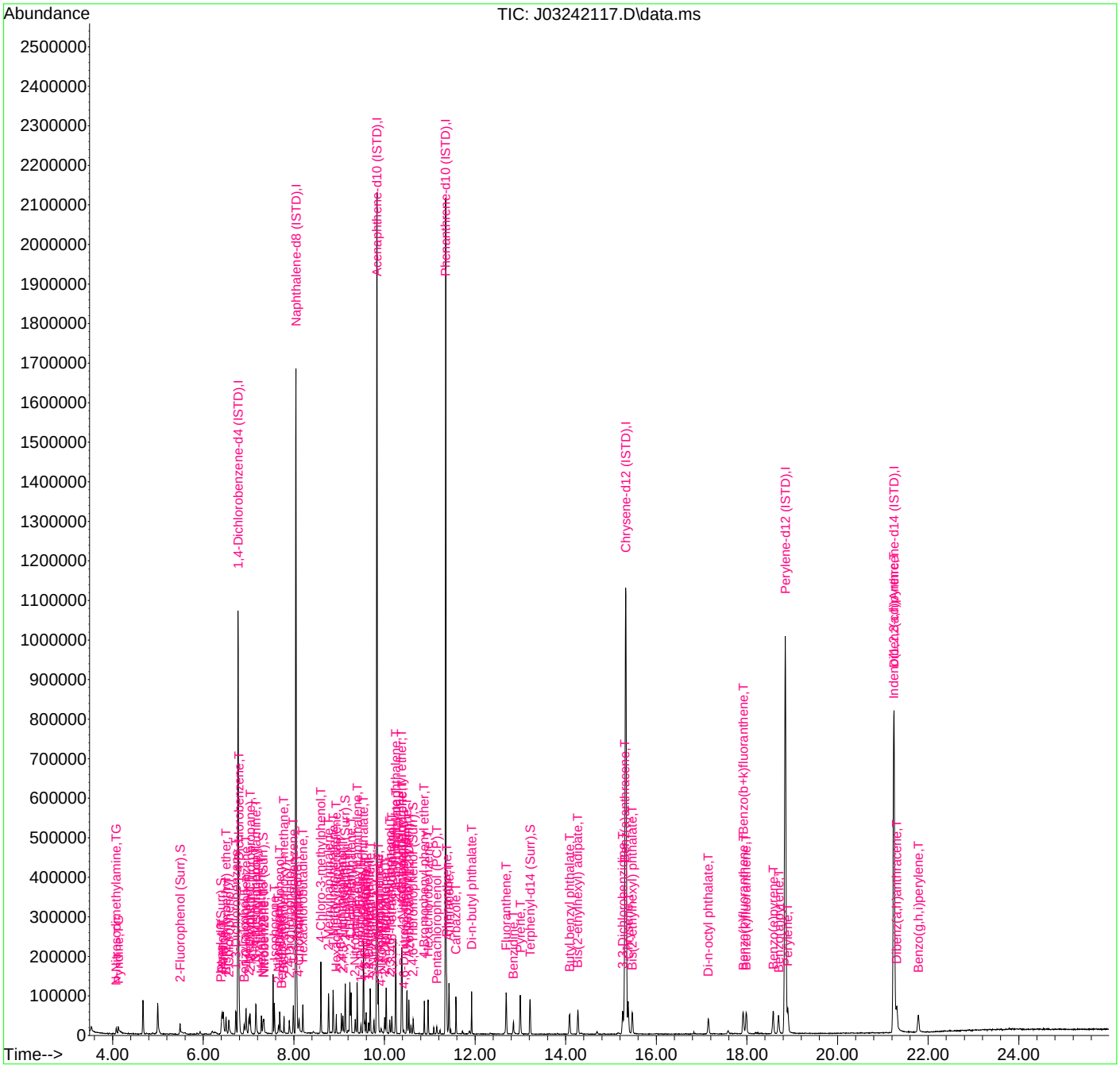
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	30982	119.16	ng/ml	99
66) Azobenzene (1,2-DPH)	10.542	77	36655	141.35	ng/ml	90
68) 4-Bromophenyl phenyl e...	10.879	248	10036	105.46	ng/ml	88
69) Hexachlorobenzene	10.964	284	11499	103.66	ng/ml	87
70) Pentachlorophenol (PCP)	11.157	266	2523	95.27	ng/ml	86
71) Phenanthrene	11.376	178	55963	112.48	ng/ml	98
72) Anthracene	11.424	178	53555	112.91	ng/ml	98
73) Carbazole	11.579	167	41480	102.59	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	56931	112.98	ng/ml	97
75) Fluoranthene	12.686	202	54064	106.52	ng/ml	98
76) Benzidine	12.847	184	16462	234.30	ng/ml	93
77) Pyrene	13.002	202	56586	107.04	ng/ml	99
80) Butyl benzyl phthalate	14.088	149	19398	107.74	ng/ml	91
81) Bis(2-ethylhexyl) adipate	14.270	129	18545	101.50	ng/ml	95
82) 3,3-Dichlorobenzidine	15.259	252	23911	299.44	ng/ml	97
83) Benz(a)anthracene	15.302	228	49691	108.57	ng/ml	95
84) Chrysene	15.382	228	45931	107.49	ng/ml	97
85) Bis(2-ethylhexyl) phth...	15.468	149	26669	101.13	ng/ml	95
87) Di-n-octyl phthalate	17.147	149	36067	95.59	ng/ml	95
88) Benzo(b)fluoranthene	17.923	252	43445	99.11	ng/ml	98
89) Benzo(k)fluoranthene	17.982	252	41597	101.99	ng/ml	96
90) Benzo(b+k)fluoranthene	17.923	252	87883	202.14	ng/ml	100
91) Benzo(e)pyrene	18.581	252	42719	100.43	ng/ml	97
92) Benzo(a)pyrene	18.704	252	37787	97.96	ng/ml	99
93) Perylene	18.902	252	38096	105.79	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.239	276	36665	101.75	ng/ml	79
96) Dibenz(a,h)anthracene	21.308	278	34384	102.15	ng/ml	88
97) Benzo(g,h,i)perylene	21.785	276	36248	104.75	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242117.D
Acq On : 24 Mar 2021 10:29 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL3
Misc : 1x, A21C128 BNA@100
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 25 11:52:17 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:53:58 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	216822	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	947171	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	507390	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	896700	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	826524	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.859	264	771543	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.255	292	674213	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	34805	243.71	ng/ml	0.01
5) Phenol-d6(Surr)	6.402	99	36290	267.00	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	32160	288.51	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	87430	238.97	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	8757	205.26	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	96821	222.24	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.113	74	23589	262.10	ng/ml	77
3) Pyridine	4.150	79	34786	301.72	ng/ml	84
6) Phenol	6.418	94	40993	267.62	ng/ml	88
7) Aniline	6.455	93	45978	278.86	ng/ml	90
8) Bis(2-chloroethyl) ether	6.509	93	36127	224.81	ng/ml	87
9) 2-Chlorophenol	6.573	128	33274	227.54	ng/ml	92
10) 1,3-Dichlorobenzene	6.723	146	38600	211.18	ng/ml	94
11) 1,4-Dichlorobenzene	6.792	146	38245	214.07	ng/ml	95
12) Benzyl alcohol	6.905	108	15429	201.08	ng/ml	83
13) 1,2-Dichlorobenzene	6.947	146	36349	210.96	ng/ml	94
14) 2-Methylphenol	7.012	107	23430	231.11	ng/ml	92
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	45083	257.94	ng/ml	76
16) N-Nitrosodi-n-propylamine	7.167	70	25520	264.15	ng/ml	87
17) 3+4-Methylphenol	7.161	107	29440	236.56	ng/ml	92
18) Hexachloroethane	7.284	201	11456	194.89	ng/ml	91
20) Nitrobenzene	7.338	77	32760	271.31	ng/ml	88
22) Isophorone	7.573	82	70702	241.55	ng/ml	91
23) 2-Nitrophenol	7.664	139	14774	217.48	ng/ml	85
24) 2,4-Dimethylphenol	7.691	122	25787	191.80	ng/ml	94

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:53:58 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	35177	233.47	ng/ml	94
26) Benzoic acid	7.792	105	610	149.47	ng/ml#	65
27) 2,4-Dichlorophenol	7.905	162	20343	190.63	ng/ml	96
28) 1,2,4-Trichlorobenzene	7.990	180	31901	212.13	ng/ml	96
29) Naphthalene	8.071	128	110094	224.38	ng/ml	98
30) 4-Chloroaniline	8.113	127	27052	254.12	ng/ml	94
31) Hexachlorobutadiene	8.199	225	17958	205.87	ng/ml	92
32) 4-Chloro-3-methylphenol	8.595	107	23896	201.32	ng/ml	89
33) 2-Methylnaphthalene	8.766	142	68731	204.25	ng/ml	95
34) 1-Methylnaphthalene	8.873	142	71158	213.90	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	14605	196.43	ng/ml	97
37) 2,4,6-Trichlorophenol	9.049	196	16903	191.37	ng/ml	99
38) 2,4,5-Trichlorophenol	9.087	198	17075	194.75	ng/ml	93
39) 1,1'-Biphenyl	9.237	154	94473	240.96	ng/ml	97
41) 2-Chloronaphthalene	9.263	162	67331	233.37	ng/ml	96
42) 2-Nitroaniline	9.354	138	18250	226.08	ng/ml#	64
43) 2,6-Dimethylnaphthalene	9.402	156	70694	226.54	ng/ml	95
44) 1,4-Dinitrobenzene	9.483	168	6825	186.36	ng/ml#	50
45) Dimethyl phthalate	9.536	163	82369	220.97	ng/ml	98
46) 1,3-Dinitrobenzene	9.568	168	9585	194.05	ng/ml	99
47) 2,6-Dinitrotoluene	9.595	165	16203	213.70	ng/ml	57
48) 1,2-Dinitrobenzene	9.654	168	7709	204.60	ng/ml#	48
49) Acenaphthylene	9.686	152	115558	227.95	ng/ml	96
50) 3-Nitroaniline	9.771	138	14350	244.63	ng/ml	76
51) Acenaphthene	9.868	153	74762	223.79	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	1464	288.80	ng/ml	74
53) 4-Nitrophenol	9.927	139	6785	184.90	ng/ml	76
54) 2,4-Dinitrotoluene	10.007	165	19335	197.03	ng/ml	80
55) Dibenzofuran	10.039	168	103938	223.76	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.119	232	13183	228.37	ng/ml	92
57) 2,3,4,6-Tetrachlorophenol	10.162	232	13864	215.23	ng/ml	95
58) Diethyl phthalate	10.253	149	83019	240.00	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	66712	220.17	ng/ml	97
60) Fluorene	10.392	166	82481	219.62	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	39269	219.05	ng/ml	91
62) 4-Nitroaniline	10.392	138	12495	216.23	ng/ml	79
63) 4,6-Dinitro-2-methylph...	10.429	198	4595	173.22	ng/ml	96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:53:58 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

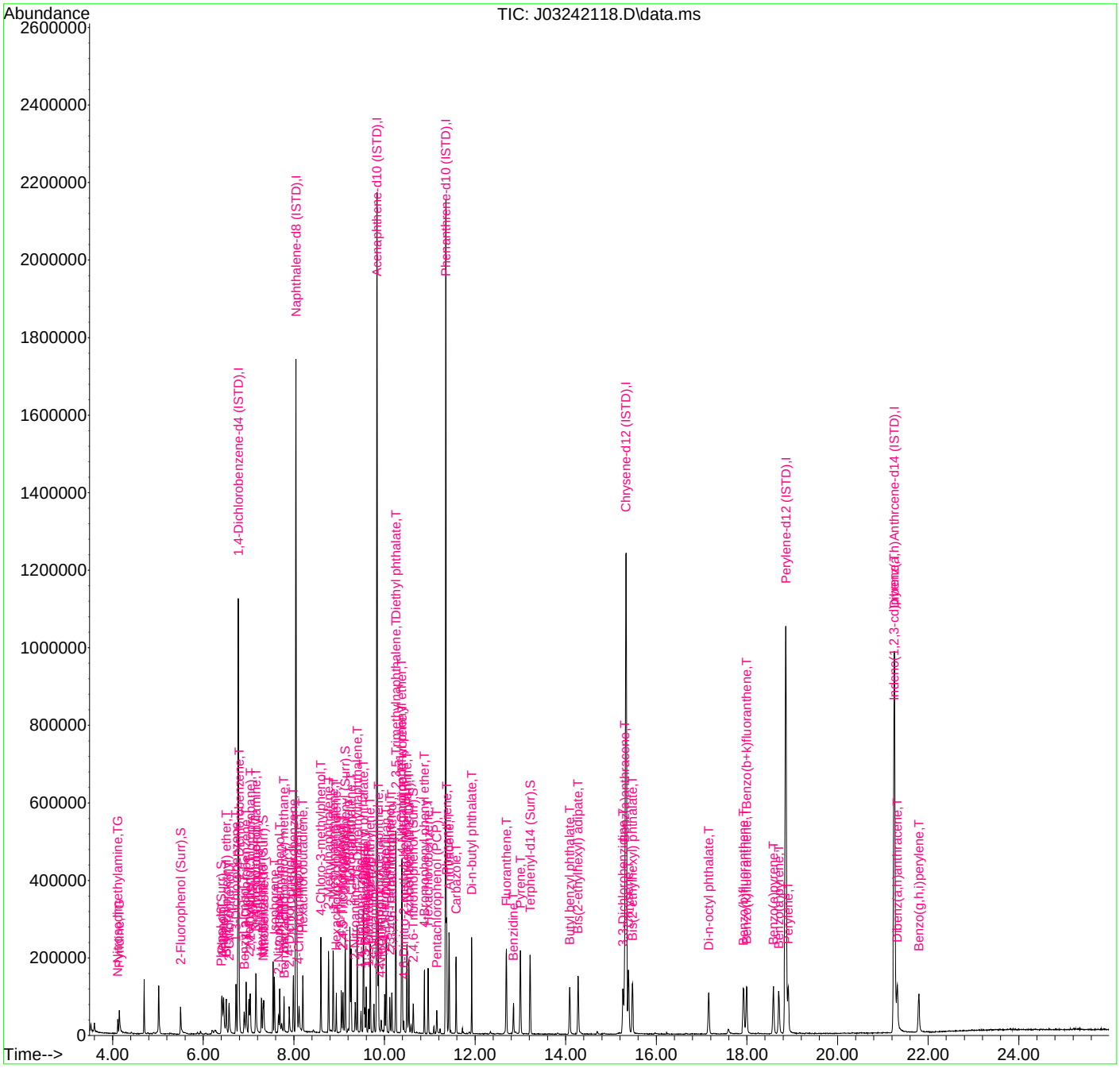
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	65143	240.91	ng/ml	97
66) Azobenzene (1,2-DPH)	10.542	77	79674	295.44	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.884	248	21374	215.98	ng/ml	88
69) Hexachlorobenzene	10.964	284	24775	214.75	ng/ml	87
70) Pentachlorophenol (PCP)	11.157	266	7479	224.14	ng/ml	99
71) Phenanthrene	11.376	178	115986	224.16	ng/ml	99
72) Anthracene	11.424	178	114846	232.83	ng/ml	97
73) Carbazole	11.585	167	92525	215.84	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	128000	244.25	ng/ml	100
75) Fluoranthene	12.692	202	117130	221.91	ng/ml	99
76) Benzidine	12.847	184	43100	539.99	ng/ml	99
77) Pyrene	13.002	202	121068	220.21	ng/ml	98
80) Butyl benzyl phthalate	14.088	149	47301	232.67	ng/ml	86
81) Bis(2-ethylhexyl) adipate	14.275	129	45040	229.79	ng/ml	98
82) 3,3-Dichlorobenzidine	15.264	252	47744	567.84	ng/ml	98
83) Benz(a)anthracene	15.307	228	105815	215.51	ng/ml	98
84) Chrysene	15.387	228	99112	216.21	ng/ml	96
85) Bis(2-ethylhexyl) phth...	15.473	149	67597	238.94	ng/ml	98
87) Di-n-octyl phthalate	17.158	149	98296	222.29	ng/ml	95
88) Benzo(b)fluoranthene	17.923	252	94556	202.97	ng/ml	95
89) Benzo(k)fluoranthene	17.992	252	96074	221.66	ng/ml	97
90) Benzo(b+k)fluoranthene	17.992	252	195857	423.89	ng/ml	97
91) Benzo(e)pyrene	18.581	252	93543	206.93	ng/ml	98
92) Benzo(a)pyrene	18.704	252	86426	204.27	ng/ml	98
93) Perylene	18.912	252	80995	211.63	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.244	276	77554	198.72	ng/ml	84
96) Dibenz(a,h)anthracene	21.319	278	74212	203.58	ng/ml	95
97) Benzo(g,h,i)perylene	21.795	276	82145	219.20	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

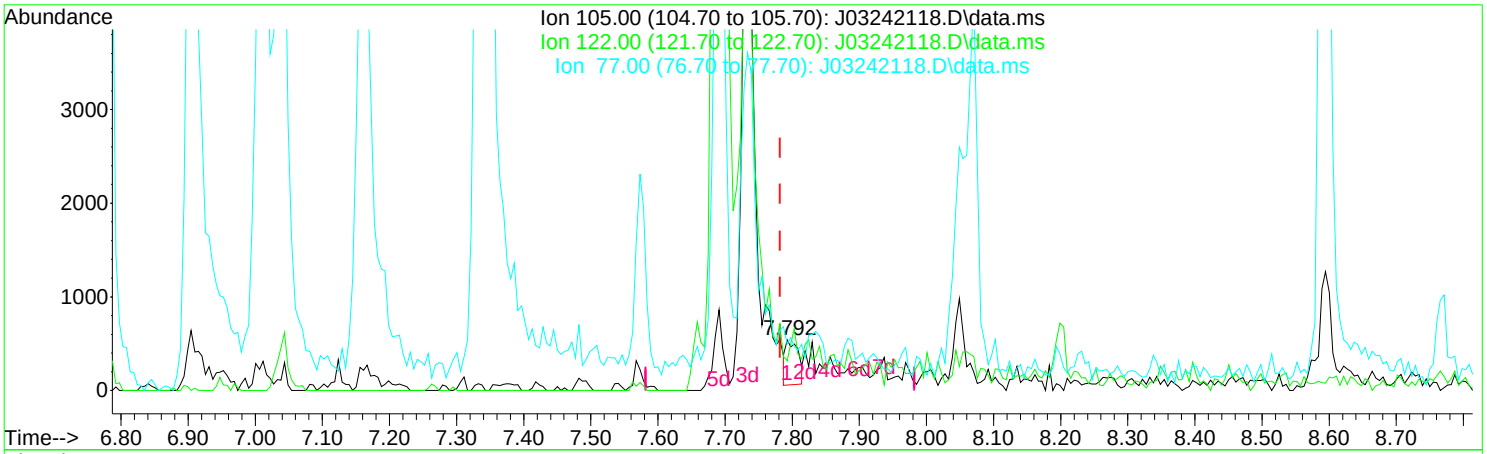
Quant Time: Mar 25 11:53:58 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

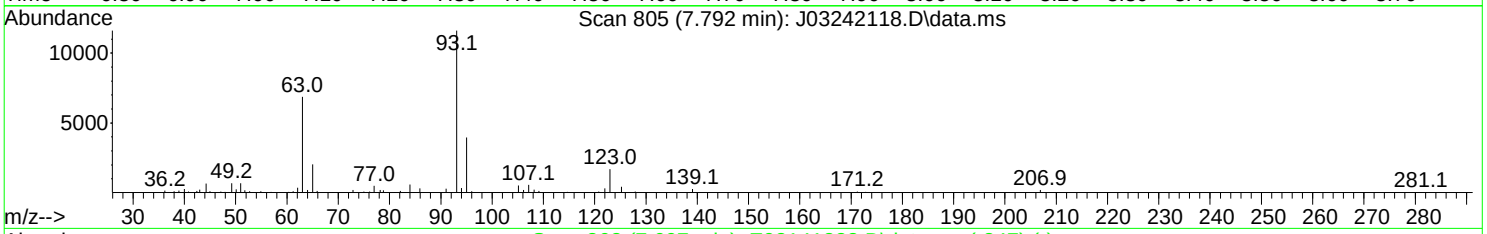


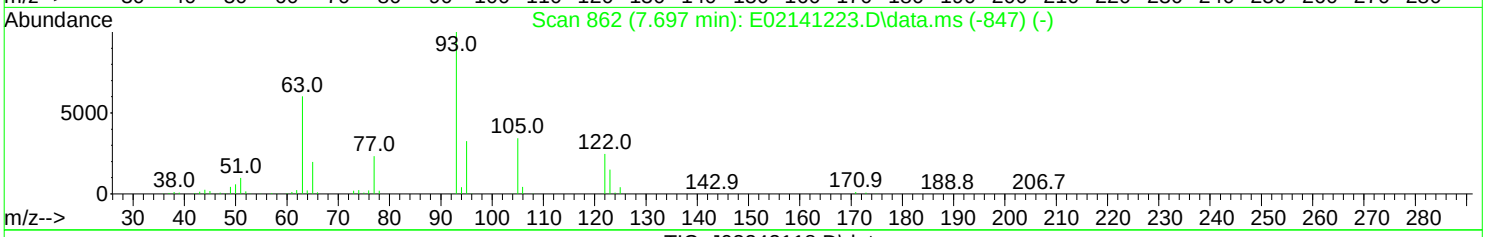
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:53:58 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242118.D\data.ms

(26) Benzoic acid (T)

7.792min (+ 0.011) 149.47 ng/ml

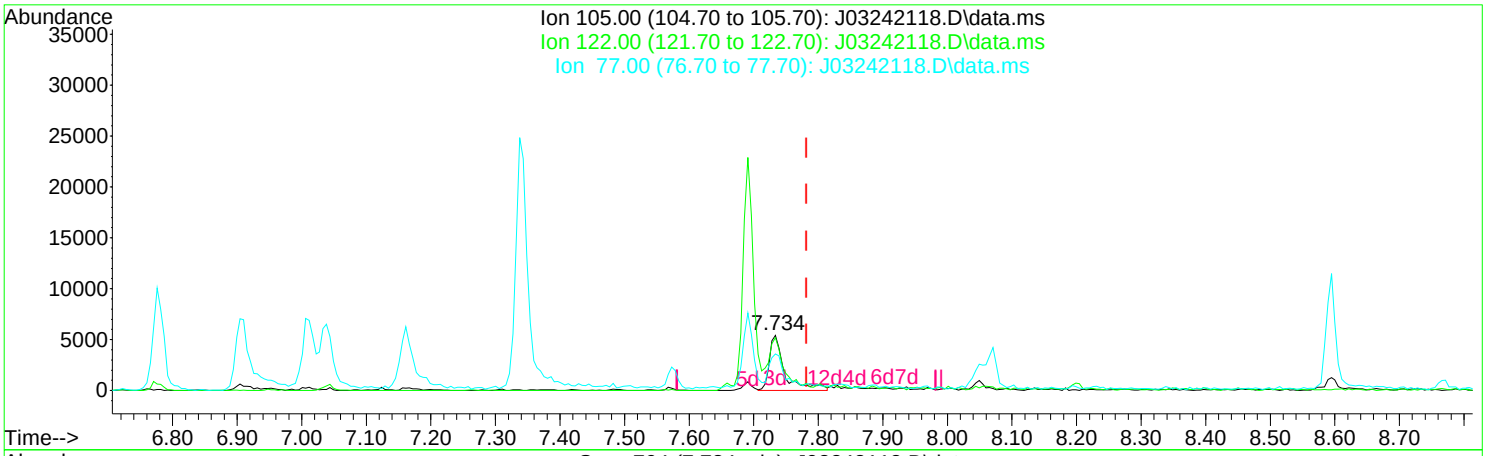
response 610

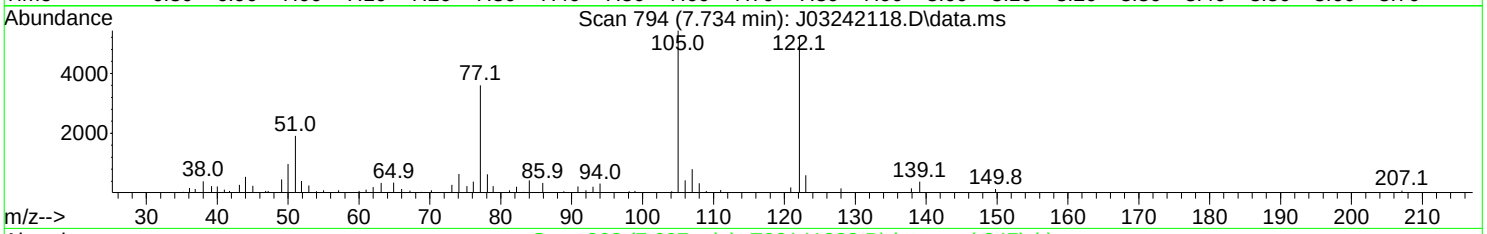
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	58.70#
77.00	61.50	91.85#
0.00	0.00	0.00

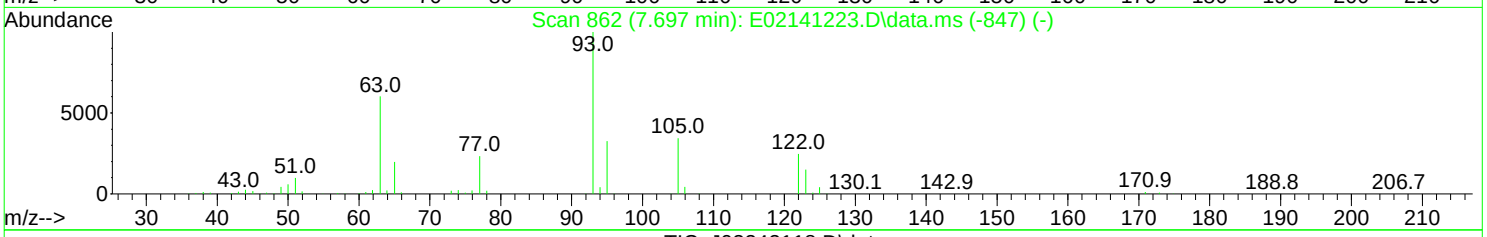
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:53:58 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242118.D\data.ms

(26) Benzoic acid (T)

7.734min (-0.048) 447.96 ng/mL m

response 8877

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	96.04
77.00	61.50	66.45
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:54:21 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	216822	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	947171	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	507390	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	896700	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.329	240	826524	2000.00	ng/ml	-0.01
86) Perylene-d12 (ISTD)	18.859	264	771543	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.255	292	674213	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	34805	243.71	ng/ml	0.01
5) Phenol-d6(Surr)	6.402	99	36290	267.00	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	32160	288.51	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	87430	238.97	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	8757	205.26	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	96821	222.24	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.113	74	23589	262.10	ng/ml	77
3) Pyridine	4.150	79	34786	301.72	ng/ml	84
6) Phenol	6.418	94	40993	267.62	ng/ml	88
7) Aniline	6.455	93	45978	278.86	ng/ml	90
8) Bis(2-chloroethyl) ether	6.509	93	36127	224.81	ng/ml	87
9) 2-Chlorophenol	6.573	128	33274	227.54	ng/ml	92
10) 1,3-Dichlorobenzene	6.723	146	38600	211.18	ng/ml	94
11) 1,4-Dichlorobenzene	6.792	146	38245	214.07	ng/ml	95
12) Benzyl alcohol	6.905	108	15429	201.08	ng/ml	83
13) 1,2-Dichlorobenzene	6.947	146	36349	210.96	ng/ml	94
14) 2-Methylphenol	7.012	107	23430	231.11	ng/ml	92
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	45083	257.94	ng/ml	76
16) N-Nitrosodi-n-propylamine	7.167	70	25520	264.15	ng/ml	87
17) 3+4-Methylphenol	7.161	107	29440	236.56	ng/ml	92
18) Hexachloroethane	7.284	201	11456	194.89	ng/ml	91
20) Nitrobenzene	7.338	77	32760	271.31	ng/ml	88
22) Isophorone	7.573	82	70702	241.55	ng/ml	91
23) 2-Nitrophenol	7.664	139	14774	217.48	ng/ml	85
24) 2,4-Dimethylphenol	7.691	122	25787	191.80	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:54:21 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	35177	233.47	ng/ml	94
26) Benzoic acid	7.734	105	8877m	447.96	ng/ml	
27) 2,4-Dichlorophenol	7.905	162	20343	190.63	ng/ml	96
28) 1,2,4-Trichlorobenzene	7.990	180	31901	212.13	ng/ml	96
29) Naphthalene	8.071	128	110094	224.38	ng/ml	98
30) 4-Chloroaniline	8.113	127	27052	254.12	ng/ml	94
31) Hexachlorobutadiene	8.199	225	17958	205.87	ng/ml	92
32) 4-Chloro-3-methylphenol	8.595	107	23896	201.32	ng/ml	89
33) 2-Methylnaphthalene	8.766	142	68731	204.25	ng/ml	95
34) 1-Methylnaphthalene	8.873	142	71158	213.90	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	14605	196.43	ng/ml	97
37) 2,4,6-Trichlorophenol	9.049	196	16903	191.37	ng/ml	99
38) 2,4,5-Trichlorophenol	9.087	198	17075	194.75	ng/ml	93
39) 1,1'-Biphenyl	9.237	154	94473	240.96	ng/ml	97
41) 2-Chloronaphthalene	9.263	162	67331	233.37	ng/ml	96
42) 2-Nitroaniline	9.354	138	18250	226.08	ng/ml#	64
43) 2,6-Dimethylnaphthalene	9.402	156	70694	226.54	ng/ml	95
44) 1,4-Dinitrobenzene	9.483	168	6825	186.36	ng/ml#	50
45) Dimethyl phthalate	9.536	163	82369	220.97	ng/ml	98
46) 1,3-Dinitrobenzene	9.568	168	9585	194.05	ng/ml	99
47) 2,6-Dinitrotoluene	9.595	165	16203	213.70	ng/ml	57
48) 1,2-Dinitrobenzene	9.654	168	7709	204.60	ng/ml#	48
49) Acenaphthylene	9.686	152	115558	227.95	ng/ml	96
50) 3-Nitroaniline	9.771	138	14350	244.63	ng/ml	76
51) Acenaphthene	9.868	153	74762	223.79	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	1464	288.80	ng/ml	74
53) 4-Nitrophenol	9.927	139	6785	184.90	ng/ml	76
54) 2,4-Dinitrotoluene	10.007	165	19335	197.03	ng/ml	80
55) Dibenzofuran	10.039	168	103938	223.76	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.119	232	13183	228.37	ng/ml	92
57) 2,3,4,6-Tetrachlorophenol	10.162	232	13864	215.23	ng/ml	95
58) Diethyl phthalate	10.253	149	83019	240.00	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	66712	220.17	ng/ml	97
60) Fluorene	10.392	166	82481	219.62	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	39269	219.05	ng/ml	91
62) 4-Nitroaniline	10.392	138	12495	216.23	ng/ml	79
63) 4,6-Dinitro-2-methylph...	10.429	198	4595	173.22	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

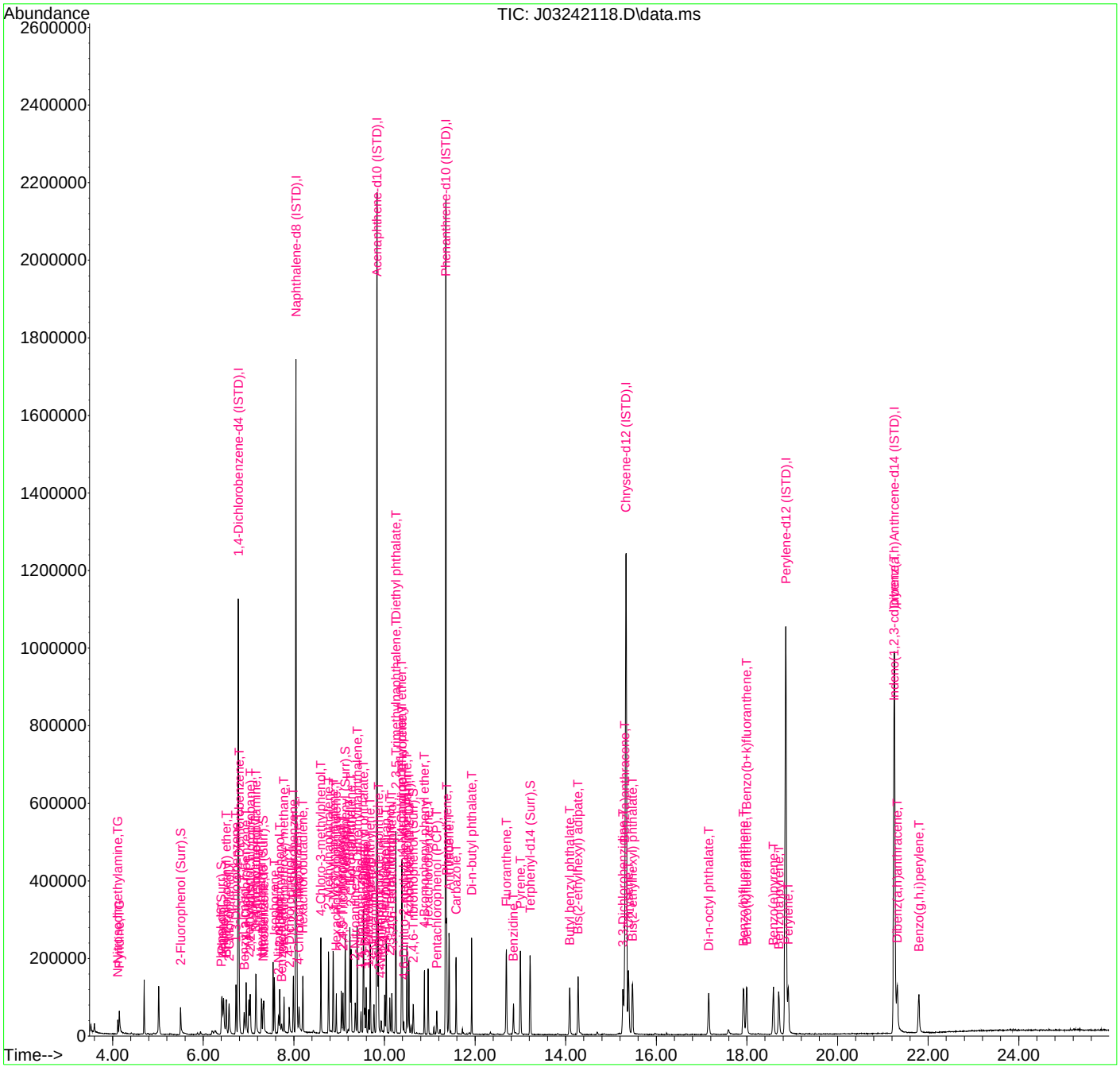
Quant Time: Mar 25 11:54:21 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	65143	240.91	ng/ml	97
66) Azobenzene (1,2-DPH)	10.542	77	79674	295.44	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.884	248	21374	215.98	ng/ml	88
69) Hexachlorobenzene	10.964	284	24775	214.75	ng/ml	87
70) Pentachlorophenol (PCP)	11.157	266	7479	224.14	ng/ml	99
71) Phenanthrene	11.376	178	115986	224.16	ng/ml	99
72) Anthracene	11.424	178	114846	232.83	ng/ml	97
73) Carbazole	11.585	167	92525	215.84	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	128000	244.25	ng/ml	100
75) Fluoranthene	12.692	202	117130	221.91	ng/ml	99
76) Benzidine	12.847	184	43100	539.99	ng/ml	99
77) Pyrene	13.002	202	121068	220.21	ng/ml	98
80) Butyl benzyl phthalate	14.088	149	47301	232.67	ng/ml	86
81) Bis(2-ethylhexyl) adipate	14.275	129	45040	229.79	ng/ml	98
82) 3,3-Dichlorobenzidine	15.264	252	47744	567.84	ng/ml	98
83) Benz(a)anthracene	15.307	228	105815	215.51	ng/ml	98
84) Chrysene	15.387	228	99112	216.21	ng/ml	96
85) Bis(2-ethylhexyl) phth...	15.473	149	67597	238.94	ng/ml	98
87) Di-n-octyl phthalate	17.158	149	98296	222.29	ng/ml	95
88) Benzo(b)fluoranthene	17.923	252	94556	202.97	ng/ml	95
89) Benzo(k)fluoranthene	17.992	252	96074	221.66	ng/ml	97
90) Benzo(b+k)fluoranthene	17.992	252	195857	423.89	ng/ml	97
91) Benzo(e)pyrene	18.581	252	93543	206.93	ng/ml	98
92) Benzo(a)pyrene	18.704	252	86426	204.27	ng/ml	98
93) Perylene	18.912	252	80995	211.63	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.244	276	77554	198.72	ng/ml	84
96) Dibenz(a,h)anthracene	21.319	278	74212	203.58	ng/ml	95
97) Benzo(g,h,i)perylene	21.795	276	82145	219.20	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242118.D
Acq On : 24 Mar 2021 11:05 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL4
Misc : 1x, A21C129 BNA@200
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 25 11:54:21 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	221568	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	964081	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	482081	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	850942	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.334	240	754640	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.859	264	664064	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.255	292	567082	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	92351	632.80	ng/ml	0.01
5) Phenol-d6(Surr)	6.402	99	101621	685.85	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	85094	723.90	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	211898	609.59	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	21634	515.99	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	223646	562.25	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.113	74	58391m	634.89	ng/ml#	
3) Pyridine	4.139	79	84374	699.70	ng/ml	85
6) Phenol	6.418	94	111702	679.86	ng/ml	90
7) Aniline	6.450	93	109066	647.32	ng/ml	86
8) Bis(2-chloroethyl) ether	6.509	93	93993	572.36	ng/ml	90
9) 2-Chlorophenol	6.573	128	89192	596.86	ng/ml	88
10) 1,3-Dichlorobenzene	6.723	146	96353	515.86	ng/ml	94
11) 1,4-Dichlorobenzene	6.792	146	95282	521.90	ng/ml	96
12) Benzyl alcohol	6.905	108	50821	580.84	ng/ml	86
13) 1,2-Dichlorobenzene	6.947	146	94868	538.80	ng/ml	96
14) 2-Methylphenol	7.011	107	63943	586.11	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	113110	633.28	ng/ml	78
16) N-Nitrosodi-n-propylamine	7.167	70	69283	701.77	ng/ml	89
17) 3+4-Methylphenol	7.161	107	84154	619.18	ng/ml	96
18) Hexachloroethane	7.290	201	29748	495.23	ng/ml	98
20) Nitrobenzene	7.338	77	86361	699.91	ng/ml	85
22) Isophorone	7.573	82	185554	622.81	ng/ml	91
23) 2-Nitrophenol	7.659	139	43279	591.78	ng/ml	80
24) 2,4-Dimethylphenol	7.691	122	68253	468.94	ng/ml	94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	98651	643.25	ng/ml	94
26) Benzoic acid	7.750	105	33438	1154.49	ng/ml	88
27) 2,4-Dichlorophenol	7.899	162	60917	506.86	ng/ml	95
28) 1,2,4-Trichlorobenzene	7.990	180	79802	521.35	ng/ml	95
29) Naphthalene	8.071	128	276355	553.36	ng/ml	99
30) 4-Chloroaniline	8.113	127	75404	657.44	ng/ml	92
31) Hexachlorobutadiene	8.199	225	44044	496.07	ng/ml	95
32) 4-Chloro-3-methylphenol	8.595	107	70757	548.33	ng/ml	90
33) 2-Methylnaphthalene	8.766	142	191672	559.60	ng/ml	95
34) 1-Methylnaphthalene	8.873	142	180314	532.51	ng/ml	97
36) Hexachlorocyclopentadiene	8.937	237	38567	494.43	ng/ml	99
37) 2,4,6-Trichlorophenol	9.049	196	46105	498.86	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	43387	483.85	ng/ml	99
39) 1,1'-Biphenyl	9.237	154	230744	619.42	ng/ml	98
41) 2-Chloronaphthalene	9.263	162	167214	609.99	ng/ml	93
42) 2-Nitroaniline	9.360	138	48905	603.79	ng/ml	80
43) 2,6-Dimethylnaphthalene	9.402	156	171247	577.58	ng/ml	96
44) 1,4-Dinitrobenzene	9.483	168	19936	530.81	ng/ml#	67
45) Dimethyl phthalate	9.536	163	195849	552.98	ng/ml	97
46) 1,3-Dinitrobenzene	9.563	168	25181	536.56	ng/ml	84
47) 2,6-Dinitrotoluene	9.600	165	43328	601.44	ng/ml	83
48) 1,2-Dinitrobenzene	9.654	168	19056	532.31	ng/ml#	47
49) Acenaphthylene	9.691	152	280347	582.06	ng/ml	97
50) 3-Nitroaniline	9.771	138	35623	640.90	ng/ml	84
51) Acenaphthene	9.868	153	174573	550.00	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	5964	413.85	ng/ml	72
53) 4-Nitrophenol	9.927	139	20340	517.02	ng/ml	90
54) 2,4-Dinitrotoluene	10.012	165	52174	559.57	ng/ml	85
55) Dibenzofuran	10.039	168	239317	542.25	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.119	232	32431	556.29	ng/ml	91
57) 2,3,4,6-Tetrachlorophenol	10.167	232	34218	532.28	ng/ml	94
58) Diethyl phthalate	10.253	149	193496	588.75	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	160871	558.80	ng/ml	100
60) Fluorene	10.392	166	191915	537.85	ng/ml	97
61) 4-Chlorophenyl phenyl ...	10.381	204	90973	534.11	ng/ml	90
62) 4-Nitroaniline	10.392	138	25451	463.55	ng/ml	84
63) 4,6-Dinitro-2-methylph...	10.429	198	14475	429.36	ng/ml	96

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

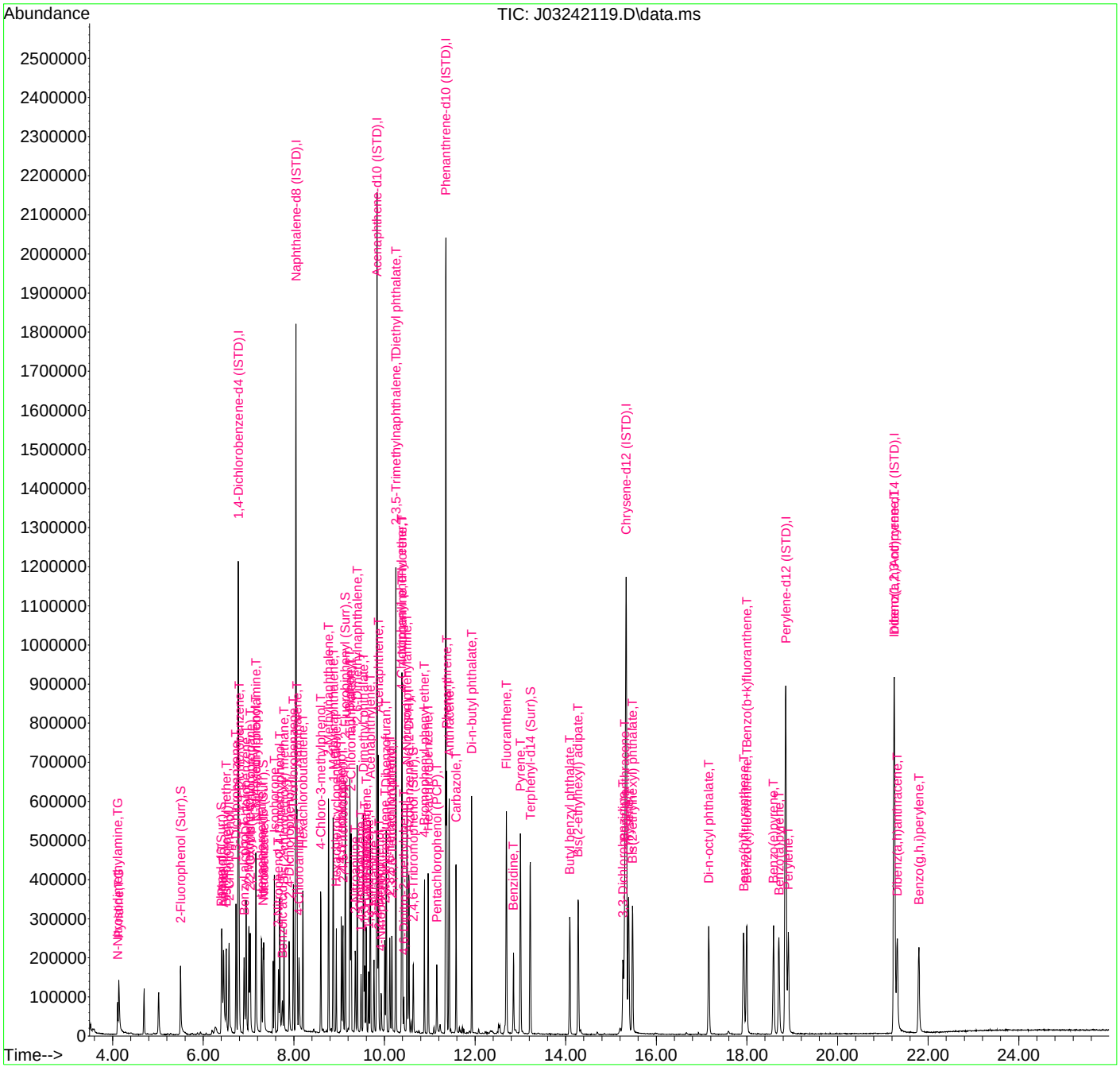
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	154755	603.10	ng/ml	97
66) Azobenzene (1,2-DPH)	10.542	77	186689	729.49	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.884	248	50139	533.88	ng/ml	89
69) Hexachlorobenzene	10.964	284	57110	521.65	ng/ml	89
70) Pentachlorophenol (PCP)	11.157	266	21227	595.59	ng/ml	98
71) Phenanthrene	11.376	178	265680	541.09	ng/ml	99
72) Anthracene	11.429	178	264547	565.16	ng/ml	99
73) Carbazole	11.585	167	210503	521.65	ng/ml	99
74) Di-n-butyl phthalate	11.927	149	310858	625.08	ng/ml	98
75) Fluoranthene	12.692	202	284726	568.43	ng/ml	97
76) Benzidine	12.847	184	107132	1313.37	ng/ml	98
77) Pyrene	13.002	202	288747	553.45	ng/ml	98
80) Butyl benzyl phthalate	14.088	149	117801	610.40	ng/ml	82
81) Bis(2-ethylhexyl) adipate	14.275	129	112526	628.79	ng/ml	99
82) 3,3-Dichlorobenzidine	15.264	252	79697	1061.27	ng/ml	96
83) Benz(a)anthracene	15.302	228	235854	526.10	ng/ml	99
84) Chrysene	15.393	228	227406	543.34	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.473	149	163843	634.32	ng/ml	99
87) Di-n-octyl phthalate	17.158	149	255674	630.62	ng/ml	97
88) Benzo(b)fluoranthene	17.933	252	216102	538.96	ng/ml	95
89) Benzo(k)fluoranthene	17.998	252	213596	572.56	ng/ml	95
90) Benzo(b+k)fluoranthene	17.998	252	437616	1100.41	ng/ml	95
91) Benzo(e)pyrene	18.586	252	208606	536.15	ng/ml	99
92) Benzo(a)pyrene	18.709	252	194846	525.88	ng/ml	96
93) Perylene	18.912	252	177024	537.42	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.250	276	165415	503.93	ng/ml	89
96) Dibenz(a,h)anthracene	21.319	278	162681	530.57	ng/ml	96
97) Benzo(g,h,i)perylene	21.795	276	178970	567.80	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	221568	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	964081	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	482081	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	850942	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.334	240	754640	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.859	264	664064	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.255	292	567082	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	92351	632.80	ng/ml	0.01
5) Phenol-d6(Surr)	6.402	99	101621	685.85	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	85094	723.90	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	211898	609.59	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	21634	515.99	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	223646	562.25	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.113	74	58391m	634.89	ng/ml#	
3) Pyridine	4.139	79	84374	699.70	ng/ml	85
6) Phenol	6.418	94	111702	679.86	ng/ml	90
7) Aniline	6.450	93	109066	647.32	ng/ml	86
8) Bis(2-chloroethyl) ether	6.509	93	93993	572.36	ng/ml	90
9) 2-Chlorophenol	6.573	128	89192	596.86	ng/ml	88
10) 1,3-Dichlorobenzene	6.723	146	96353	515.86	ng/ml	94
11) 1,4-Dichlorobenzene	6.792	146	95282	521.90	ng/ml	96
12) Benzyl alcohol	6.905	108	50821	580.84	ng/ml	86
13) 1,2-Dichlorobenzene	6.947	146	94868	538.80	ng/ml	96
14) 2-Methylphenol	7.011	107	63943	586.11	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	113110	633.28	ng/ml	78
16) N-Nitrosodi-n-propylamine	7.167	70	69283	701.77	ng/ml	89
17) 3+4-Methylphenol	7.161	107	84154	619.18	ng/ml	96
18) Hexachloroethane	7.290	201	29748	495.23	ng/ml	98
20) Nitrobenzene	7.338	77	86361	699.91	ng/ml	85
22) Isophorone	7.573	82	185554	622.81	ng/ml	91
23) 2-Nitrophenol	7.659	139	43279	591.78	ng/ml	80
24) 2,4-Dimethylphenol	7.691	122	68253	468.94	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	98651	643.25	ng/ml	94
26) Benzoic acid	7.750	105	33438	1154.49	ng/ml	88
27) 2,4-Dichlorophenol	7.899	162	60917	506.86	ng/ml	95
28) 1,2,4-Trichlorobenzene	7.990	180	79802	521.35	ng/ml	95
29) Naphthalene	8.071	128	276355	553.36	ng/ml	99
30) 4-Chloroaniline	8.113	127	75404	657.44	ng/ml	92
31) Hexachlorobutadiene	8.199	225	44044	496.07	ng/ml	95
32) 4-Chloro-3-methylphenol	8.595	107	70757	548.33	ng/ml	90
33) 2-Methylnaphthalene	8.766	142	191672	559.60	ng/ml	95
34) 1-Methylnaphthalene	8.873	142	180314	532.51	ng/ml	97
36) Hexachlorocyclopentadiene	8.937	237	38567	494.43	ng/ml	99
37) 2,4,6-Trichlorophenol	9.049	196	46105	498.86	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	43387	483.85	ng/ml	99
39) 1,1'-Biphenyl	9.237	154	230744	619.42	ng/ml	98
41) 2-Chloronaphthalene	9.263	162	167214	609.99	ng/ml	93
42) 2-Nitroaniline	9.360	138	48905	603.79	ng/ml	80
43) 2,6-Dimethylnaphthalene	9.402	156	171247	577.58	ng/ml	96
44) 1,4-Dinitrobenzene	9.483	168	19936	530.81	ng/ml#	67
45) Dimethyl phthalate	9.536	163	195849	552.98	ng/ml	97
46) 1,3-Dinitrobenzene	9.563	168	25181	536.56	ng/ml	84
47) 2,6-Dinitrotoluene	9.600	165	43328	601.44	ng/ml	83
48) 1,2-Dinitrobenzene	9.654	168	19056	532.31	ng/ml#	47
49) Acenaphthylene	9.691	152	280347	582.06	ng/ml	97
50) 3-Nitroaniline	9.771	138	35623	640.90	ng/ml	84
51) Acenaphthene	9.868	153	174573	550.00	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	5964	413.85	ng/ml	72
53) 4-Nitrophenol	9.927	139	20340	517.02	ng/ml	90
54) 2,4-Dinitrotoluene	10.012	165	52174	559.57	ng/ml	85
55) Dibenzofuran	10.039	168	239317	542.25	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.119	232	32431	556.29	ng/ml	91
57) 2,3,4,6-Tetrachlorophenol	10.167	232	34218	532.28	ng/ml	94
58) Diethyl phthalate	10.253	149	193496	588.75	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	160871	558.80	ng/ml	100
60) Fluorene	10.392	166	191915	537.85	ng/ml	97
61) 4-Chlorophenyl phenyl ...	10.381	204	90973	534.11	ng/ml	90
62) 4-Nitroaniline	10.392	138	25451	463.55	ng/ml	84
63) 4,6-Dinitro-2-methylph...	10.429	198	14475	429.36	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

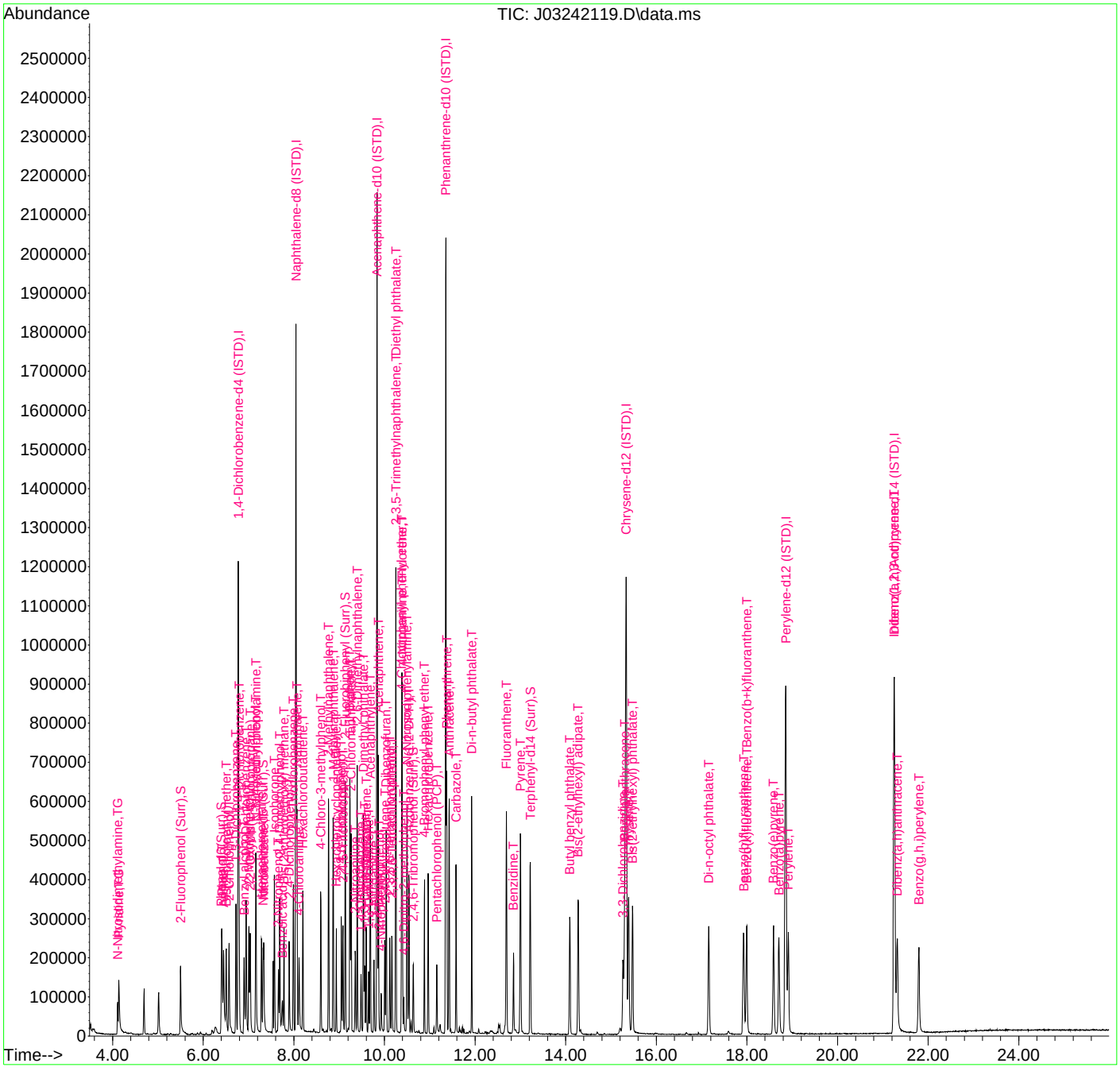
Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	154755	603.10	ng/ml	97
66) Azobenzene (1,2-DPH)	10.542	77	186689	729.49	ng/ml	89
68) 4-Bromophenyl phenyl e...	10.884	248	50139	533.88	ng/ml	89
69) Hexachlorobenzene	10.964	284	57110	521.65	ng/ml	89
70) Pentachlorophenol (PCP)	11.157	266	21227	595.59	ng/ml	98
71) Phenanthrene	11.376	178	265680	541.09	ng/ml	99
72) Anthracene	11.429	178	264547	565.16	ng/ml	99
73) Carbazole	11.585	167	210503	521.65	ng/ml	99
74) Di-n-butyl phthalate	11.927	149	310858	625.08	ng/ml	98
75) Fluoranthene	12.692	202	284726	568.43	ng/ml	97
76) Benzidine	12.847	184	107132	1313.37	ng/ml	98
77) Pyrene	13.002	202	288747	553.45	ng/ml	98
80) Butyl benzyl phthalate	14.088	149	117801	610.40	ng/ml	82
81) Bis(2-ethylhexyl) adipate	14.275	129	112526	628.79	ng/ml	99
82) 3,3-Dichlorobenzidine	15.264	252	79697	1061.27	ng/ml	96
83) Benz(a)anthracene	15.302	228	235854	526.10	ng/ml	99
84) Chrysene	15.393	228	227406	543.34	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.473	149	163843	634.32	ng/ml	99
87) Di-n-octyl phthalate	17.158	149	255674	630.62	ng/ml	97
88) Benzo(b)fluoranthene	17.933	252	216102	538.96	ng/ml	95
89) Benzo(k)fluoranthene	17.998	252	213596	572.56	ng/ml	95
90) Benzo(b+k)fluoranthene	17.998	252	437616	1100.41	ng/ml	95
91) Benzo(e)pyrene	18.586	252	208606	536.15	ng/ml	99
92) Benzo(a)pyrene	18.709	252	194846	525.88	ng/ml	96
93) Perylene	18.912	252	177024	537.42	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.250	276	165415	503.93	ng/ml	89
96) Dibenz(a,h)anthracene	21.319	278	162681	530.57	ng/ml	96
97) Benzo(g,h,i)perylene	21.795	276	178970	567.80	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242119.D
Acq On : 24 Mar 2021 11:40 pm
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL5
Misc : 1x, A21C130 BNA@500
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 25 11:59:16 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	221367	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	997998	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	501241	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	903316	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.340	240	807343	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.864	264	742953	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.260	292	677045	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.493	112	176661	1211.60	ng/ml	0.00
5) Phenol-d6(Surr)	6.402	99	218540	1403.72	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	182932	1498.08	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	408702	1130.81	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	49055	1073.84	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	455986	1071.52	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.081	74	117105m	1274.45	ng/ml	
3) Pyridine	4.107	79	165380m	1325.81	ng/ml	
6) Phenol	6.413	94	235719	1383.90	ng/ml	85
7) Aniline	6.450	93	221732	1317.20	ng/ml	87
8) Bis(2-chloroethyl) ether	6.504	93	187957	1145.59	ng/ml	87
9) 2-Chlorophenol	6.568	128	177394	1188.17	ng/ml	91
10) 1,3-Dichlorobenzene	6.723	146	188043	1007.68	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	182467	1000.35	ng/ml	99
12) Benzyl alcohol	6.905	108	115060	1249.45	ng/ml	91
13) 1,2-Dichlorobenzene	6.948	146	182360	1036.64	ng/ml	96
14) 2-Methylphenol	7.006	107	142431	1272.22	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	223135	1250.42	ng/ml	82
16) N-Nitrosodi-n-propylamine	7.167	70	137881	1397.88	ng/ml	89
17) 3+4-Methylphenol	7.161	107	187297	1334.50	ng/ml	96
18) Hexachloroethane	7.285	201	57580	959.44	ng/ml	88
20) Nitrobenzene	7.338	77	185109	1501.56	ng/ml	86
22) Isophorone	7.573	82	369505	1198.09	ng/ml	90
23) 2-Nitrophenol	7.659	139	96745	1225.33	ng/ml	78
24) 2,4-Dimethylphenol	7.691	122	154751	1006.92	ng/ml	96

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	209813	1321.59	ng/ml	96
26) Benzoic acid	7.782	105	140242	3135.24	ng/ml	88
27) 2,4-Dichlorophenol	7.900	162	141034	1092.09	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.991	180	158907	1002.87	ng/ml	97
29) Naphthalene	8.071	128	542003	1048.40	ng/ml	99
30) 4-Chloroaniline	8.114	127	178394	1453.25	ng/ml	91
31) Hexachlorobutadiene	8.199	225	84930	924.07	ng/ml	97
32) 4-Chloro-3-methylphenol	8.595	107	158646	1159.64	ng/ml	91
33) 2-Methylnaphthalene	8.766	142	390397	1101.06	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	359989	1027.01	ng/ml	97
36) Hexachlorocyclopentadiene	8.937	237	87038	1036.76	ng/ml	98
37) 2,4,6-Trichlorophenol	9.050	196	99242	1001.65	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	97291	1016.07	ng/ml	97
39) 1,1'-Biphenyl	9.237	154	457061	1180.05	ng/ml	98
41) 2-Chloronaphthalene	9.264	162	336733	1181.44	ng/ml	95
42) 2-Nitroaniline	9.360	138	108055	1224.67	ng/ml	73
43) 2,6-Dimethylnaphthalene	9.403	156	336422	1091.31	ng/ml	99
44) 1,4-Dinitrobenzene	9.483	168	47790	1151.46	ng/ml	75
45) Dimethyl phthalate	9.542	163	387457	1052.17	ng/ml	98
46) 1,3-Dinitrobenzene	9.568	168	57088	1169.94	ng/ml	91
47) 2,6-Dinitrotoluene	9.600	165	88341	1179.39	ng/ml	76
48) 1,2-Dinitrobenzene	9.659	168	41174	1106.18	ng/ml	67
49) Acenaphthylene	9.691	152	540967	1080.22	ng/ml	98
50) 3-Nitroaniline	9.772	138	73851	1309.17	ng/ml	84
51) Acenaphthene	9.868	153	341823	1035.76	ng/ml	98
52) 2,4-Dinitrophenol	9.879	184	22216	827.26	ng/ml	82
53) 4-Nitrophenol	9.932	139	57262	1257.49	ng/ml	89
54) 2,4-Dinitrotoluene	10.012	165	111259	1147.65	ng/ml	80
55) Dibenzofuran	10.039	168	479051	1043.96	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.119	232	76335	1190.30	ng/ml	91
57) 2,3,4,6-Tetrachlorophenol	10.162	232	77816	1121.83	ng/ml	89
58) Diethyl phthalate	10.253	149	376279	1101.14	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	308126	1029.39	ng/ml	95
60) Fluorene	10.392	166	373120	1005.70	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	178433	1007.55	ng/ml	89
62) 4-Nitroaniline	10.397	138	55864	978.59	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.430	198	41913	1039.56	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

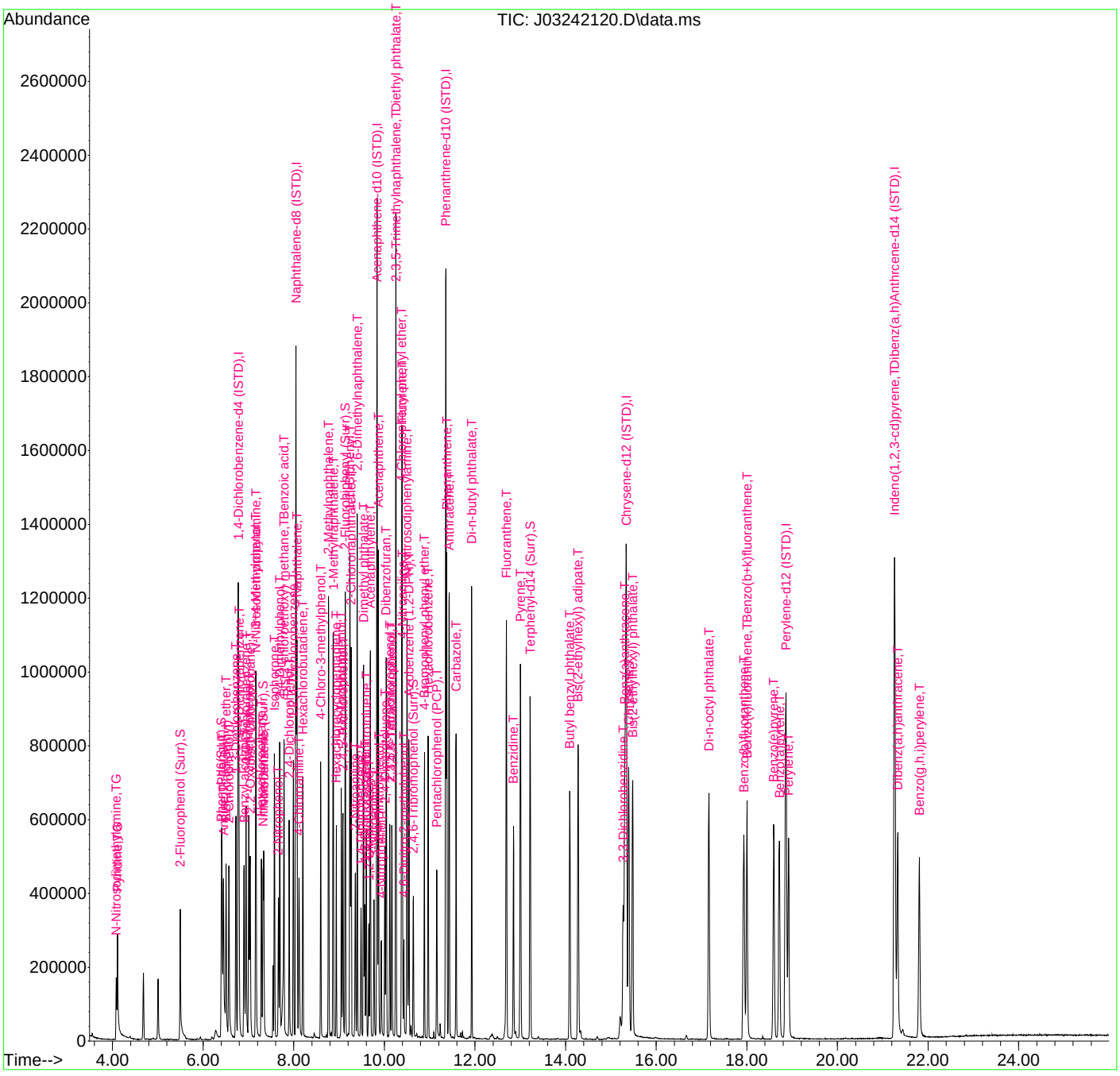
Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	308686	1133.23	ng/ml	99
66) Azobenzene (1,2-DPH)	10.542	77	378664	1393.84	ng/ml	91
68) 4-Bromophenyl phenyl e...	10.884	248	104172	1044.91	ng/ml	93
69) Hexachlorobenzene	10.964	284	111069	955.70	ng/ml	90
70) Pentachlorophenol (PCP)	11.157	266	55284	1312.71	ng/ml	98
71) Phenanthrene	11.376	178	541476	1038.84	ng/ml	99
72) Anthracene	11.430	178	544360	1095.51	ng/ml	100
73) Carbazole	11.585	167	396208	950.82	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	647813	1227.10	ng/ml	99
75) Fluoranthene	12.692	202	573950	1079.41	ng/ml	98
76) Benzidine	12.847	184	302118	3131.42	ng/ml	99
77) Pyrene	13.002	202	582957	1052.58	ng/ml	98
80) Butyl benzyl phthalate	14.088	149	265202	1243.66	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.275	129	259090	1353.27	ng/ml	97
82) 3,3-Dichlorobenzidine	15.270	252	145288	1865.13	ng/ml	97
83) Benz(a)anthracene	15.307	228	494376	1030.78	ng/ml	99
84) Chrysene	15.393	228	484731	1082.56	ng/ml	100
85) Bis(2-ethylhexyl) phth...	15.479	149	368911	1335.00	ng/ml	99
87) Di-n-octyl phthalate	17.163	149	637737	1339.87	ng/ml	97
88) Benzo(b)fluoranthene	17.934	252	467597	1042.36	ng/ml	97
89) Benzo(k)fluoranthene	18.003	252	480502	1151.25	ng/ml	96
90) Benzo(b+k)fluoranthene	18.003	252	964203	2167.10	ng/ml	96
91) Benzo(e)pyrene	18.592	252	469766	1079.17	ng/ml	98
92) Benzo(a)pyrene	18.720	252	445067	1067.93	ng/ml	97
93) Perylene	18.918	252	385516	1046.09	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.260	276	388576	991.52	ng/ml	93
96) Dibenz(a,h)anthracene	21.330	278	381811	1042.99	ng/ml	98
97) Benzo(g,h,i)perylene	21.806	276	408901	1086.57	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	221367	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	997998	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	501241	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	903316	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.340	240	807343	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.864	264	742953	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.260	292	677045	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.493	112	176661	1211.60	ng/ml	0.00
5) Phenol-d6(Surr)	6.402	99	218540	1403.72	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	182932	1498.08	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	408702	1130.81	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	49055	1073.84	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.216	244	455986	1071.52	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.081	74	117105m	1274.45	ng/ml	
3) Pyridine	4.107	79	165380m	1325.81	ng/ml	
6) Phenol	6.413	94	235719	1383.90	ng/ml	85
7) Aniline	6.450	93	221732	1317.20	ng/ml	87
8) Bis(2-chloroethyl) ether	6.504	93	187957	1145.59	ng/ml	87
9) 2-Chlorophenol	6.568	128	177394	1188.17	ng/ml	91
10) 1,3-Dichlorobenzene	6.723	146	188043	1007.68	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	182467	1000.35	ng/ml	99
12) Benzyl alcohol	6.905	108	115060	1249.45	ng/ml	91
13) 1,2-Dichlorobenzene	6.948	146	182360	1036.64	ng/ml	96
14) 2-Methylphenol	7.006	107	142431	1272.22	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	223135	1250.42	ng/ml	82
16) N-Nitrosodi-n-propylamine	7.167	70	137881	1397.88	ng/ml	89
17) 3+4-Methylphenol	7.161	107	187297	1334.50	ng/ml	96
18) Hexachloroethane	7.285	201	57580	959.44	ng/ml	88
20) Nitrobenzene	7.338	77	185109	1501.56	ng/ml	86
22) Isophorone	7.573	82	369505	1198.09	ng/ml	90
23) 2-Nitrophenol	7.659	139	96745	1225.33	ng/ml	78
24) 2,4-Dimethylphenol	7.691	122	154751	1006.92	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.782	93	209813	1321.59	ng/ml	96
26) Benzoic acid	7.782	105	140242	3135.24	ng/ml	88
27) 2,4-Dichlorophenol	7.900	162	141034	1092.09	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.991	180	158907	1002.87	ng/ml	97
29) Naphthalene	8.071	128	542003	1048.40	ng/ml	99
30) 4-Chloroaniline	8.114	127	178394	1453.25	ng/ml	91
31) Hexachlorobutadiene	8.199	225	84930	924.07	ng/ml	97
32) 4-Chloro-3-methylphenol	8.595	107	158646	1159.64	ng/ml	91
33) 2-Methylnaphthalene	8.766	142	390397	1101.06	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	359989	1027.01	ng/ml	97
36) Hexachlorocyclopentadiene	8.937	237	87038	1036.76	ng/ml	98
37) 2,4,6-Trichlorophenol	9.050	196	99242	1001.65	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	97291	1016.07	ng/ml	97
39) 1,1'-Biphenyl	9.237	154	457061	1180.05	ng/ml	98
41) 2-Chloronaphthalene	9.264	162	336733	1181.44	ng/ml	95
42) 2-Nitroaniline	9.360	138	108055	1224.67	ng/ml	73
43) 2,6-Dimethylnaphthalene	9.403	156	336422	1091.31	ng/ml	99
44) 1,4-Dinitrobenzene	9.483	168	47790	1151.46	ng/ml	75
45) Dimethyl phthalate	9.542	163	387457	1052.17	ng/ml	98
46) 1,3-Dinitrobenzene	9.568	168	57088	1169.94	ng/ml	91
47) 2,6-Dinitrotoluene	9.600	165	88341	1179.39	ng/ml	76
48) 1,2-Dinitrobenzene	9.659	168	41174	1106.18	ng/ml	67
49) Acenaphthylene	9.691	152	540967	1080.22	ng/ml	98
50) 3-Nitroaniline	9.772	138	73851	1309.17	ng/ml	84
51) Acenaphthene	9.868	153	341823	1035.76	ng/ml	98
52) 2,4-Dinitrophenol	9.879	184	22216	827.26	ng/ml	82
53) 4-Nitrophenol	9.932	139	57262	1257.49	ng/ml	89
54) 2,4-Dinitrotoluene	10.012	165	111259	1147.65	ng/ml	80
55) Dibenzofuran	10.039	168	479051	1043.96	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.119	232	76335	1190.30	ng/ml	91
57) 2,3,4,6-Tetrachlorophenol	10.162	232	77816	1121.83	ng/ml	89
58) Diethyl phthalate	10.253	149	376279	1101.14	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	308126	1029.39	ng/ml	95
60) Fluorene	10.392	166	373120	1005.70	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	178433	1007.55	ng/ml	89
62) 4-Nitroaniline	10.397	138	55864	978.59	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.430	198	41913	1039.56	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

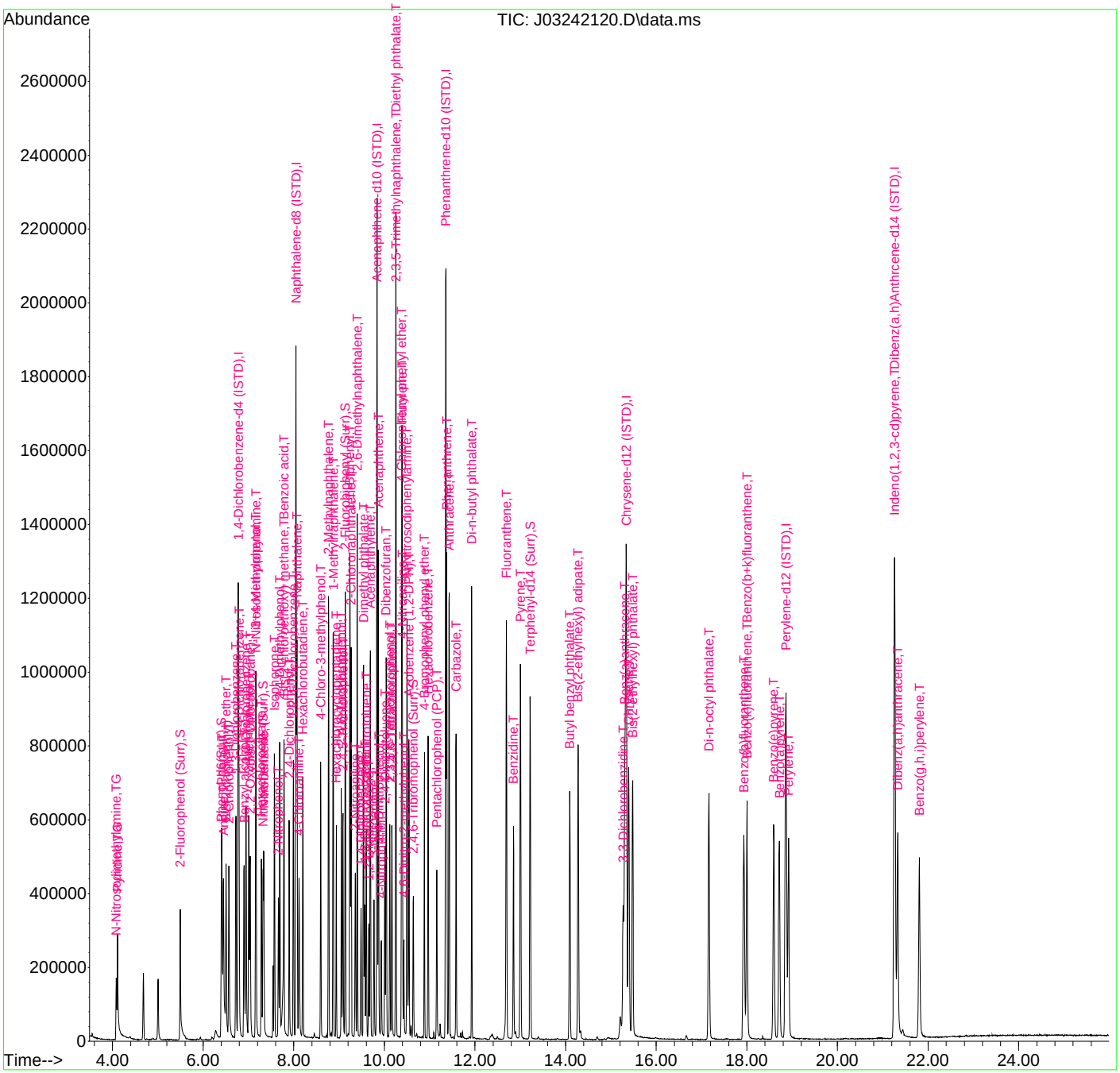
Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	308686	1133.23	ng/ml	99
66) Azobenzene (1,2-DPH)	10.542	77	378664	1393.84	ng/ml	91
68) 4-Bromophenyl phenyl e...	10.884	248	104172	1044.91	ng/ml	93
69) Hexachlorobenzene	10.964	284	111069	955.70	ng/ml	90
70) Pentachlorophenol (PCP)	11.157	266	55284	1312.71	ng/ml	98
71) Phenanthrene	11.376	178	541476	1038.84	ng/ml	99
72) Anthracene	11.430	178	544360	1095.51	ng/ml	100
73) Carbazole	11.585	167	396208	950.82	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	647813	1227.10	ng/ml	99
75) Fluoranthene	12.692	202	573950	1079.41	ng/ml	98
76) Benzidine	12.847	184	302118	3131.42	ng/ml	99
77) Pyrene	13.002	202	582957	1052.58	ng/ml	98
80) Butyl benzyl phthalate	14.088	149	265202	1243.66	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.275	129	259090	1353.27	ng/ml	97
82) 3,3-Dichlorobenzidine	15.270	252	145288	1865.13	ng/ml	97
83) Benz(a)anthracene	15.307	228	494376	1030.78	ng/ml	99
84) Chrysene	15.393	228	484731	1082.56	ng/ml	100
85) Bis(2-ethylhexyl) phth...	15.479	149	368911	1335.00	ng/ml	99
87) Di-n-octyl phthalate	17.163	149	637737	1339.87	ng/ml	97
88) Benzo(b)fluoranthene	17.934	252	467597	1042.36	ng/ml	97
89) Benzo(k)fluoranthene	18.003	252	480502	1151.25	ng/ml	96
90) Benzo(b+k)fluoranthene	18.003	252	964203	2167.10	ng/ml	96
91) Benzo(e)pyrene	18.592	252	469766	1079.17	ng/ml	98
92) Benzo(a)pyrene	18.720	252	445067	1067.93	ng/ml	97
93) Perylene	18.918	252	385516	1046.09	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.260	276	388576	991.52	ng/ml	93
96) Dibenz(a,h)anthracene	21.330	278	381811	1042.99	ng/ml	98
97) Benzo(g,h,i)perylene	21.806	276	408901	1086.57	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242120.D
Acq On : 25 Mar 2021 12:16 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL6
Misc : 1x, A21C131 BNA@1000
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 25 12:00:53 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	212942	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	954067	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	473185	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	864441	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.339	240	740819	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.859	264	658094	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.266	292	585604	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.498	112	346905	2473.32	ng/ml	0.00
5) Phenol-d6(Surr)	6.407	99	433847	2701.99	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	356663	2857.68	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	732844	2147.89	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	95969	2117.74	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	830421	2126.63	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.097	74	230165m	2603.99	ng/ml	
3) Pyridine	4.123	79	352480m	2729.43	ng/ml	
6) Phenol	6.418	94	473632	2739.00	ng/ml	88
7) Aniline	6.450	93	403130	2489.54	ng/ml	86
8) Bis(2-chloroethyl) ether	6.509	93	402220	2548.50	ng/ml	89
9) 2-Chlorophenol	6.573	128	350166	2438.19	ng/ml	91
10) 1,3-Dichlorobenzene	6.723	146	363238	2023.52	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	358307	2042.09	ng/ml	95
12) Benzyl alcohol	6.905	108	239552	2543.82	ng/ml	87
13) 1,2-Dichlorobenzene	6.947	146	350517	2071.38	ng/ml	96
14) 2-Methylphenol	7.012	107	280445	2535.32	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	422008	2458.45	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.172	70	263541	2777.57	ng/ml	90
17) 3+4-Methylphenol	7.161	107	358836	2574.09	ng/ml	97
18) Hexachloroethane	7.290	201	111833	1937.17	ng/ml	94
20) Nitrobenzene	7.343	77	350421	2955.01	ng/ml	88
22) Isophorone	7.579	82	693793	2353.16	ng/ml	91
23) 2-Nitrophenol	7.659	139	192061	2396.44	ng/ml	81
24) 2,4-Dimethylphenol	7.696	122	295251	1999.60	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.787	93	402417	2651.50	ng/ml	97
26) Benzoic acid	7.809	105	303631	5334.23	ng/ml	91
27) 2,4-Dichlorophenol	7.905	162	276315	2178.68	ng/ml	96
28) 1,2,4-Trichlorobenzene	7.990	180	301810	1992.45	ng/ml	95
29) Naphthalene	8.071	128	1008819	2041.21	ng/ml	99
30) 4-Chloroaniline	8.119	127	346392	2847.23	ng/ml	92
31) Hexachlorobutadiene	8.199	225	160115	1822.32	ng/ml	98
32) 4-Chloro-3-methylphenol	8.595	107	309260	2321.51	ng/ml	91
33) 2-Methylnaphthalene	8.771	142	726591	2143.60	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	664024	1981.61	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	161008	1993.76	ng/ml	98
37) 2,4,6-Trichlorophenol	9.049	196	200064	2096.48	ng/ml	100
38) 2,4,5-Trichlorophenol	9.087	198	191869	2089.26	ng/ml	94
39) 1,1'-Biphenyl	9.242	154	819512	2241.29	ng/ml	98
41) 2-Chloronaphthalene	9.263	162	607258	2256.92	ng/ml	92
42) 2-Nitroaniline	9.360	138	214623	2399.22	ng/ml	72
43) 2,6-Dimethylnaphthalene	9.402	156	616984	2120.08	ng/ml	94
44) 1,4-Dinitrobenzene	9.488	168	99210	2317.30	ng/ml	82
45) Dimethyl phthalate	9.541	163	710395	2043.52	ng/ml	98
46) 1,3-Dinitrobenzene	9.574	168	111777	2426.55	ng/ml	89
47) 2,6-Dinitrotoluene	9.606	165	166689	2357.32	ng/ml	82
48) 1,2-Dinitrobenzene	9.665	168	79391	2259.39	ng/ml#	57
49) Acenaphthylene	9.691	152	994437	2103.46	ng/ml	99
50) 3-Nitroaniline	9.777	138	111835	2178.56	ng/ml	84
51) Acenaphthene	9.868	153	614926	1973.77	ng/ml	98
52) 2,4-Dinitrophenol	9.878	184	52359	1650.62	ng/ml	74
53) 4-Nitrophenol	9.932	139	116497	2397.45	ng/ml	86
54) 2,4-Dinitrotoluene	10.018	165	219692	2400.52	ng/ml	85
55) Dibenzofuran	10.044	168	878131	2027.11	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.124	232	148555	2277.25	ng/ml	94
57) 2,3,4,6-Tetrachlorophenol	10.167	232	148015	2156.16	ng/ml	91
58) Diethyl phthalate	10.258	149	676394	2096.76	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.253	170	555760	1966.78	ng/ml	99
60) Fluorene	10.392	166	670347	1913.98	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.387	204	320907	1919.49	ng/ml	92
62) 4-Nitroaniline	10.403	138	95184	1766.24	ng/ml	93
63) 4,6-Dinitro-2-methylph...	10.435	198	84688	2005.98	ng/ml	89

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

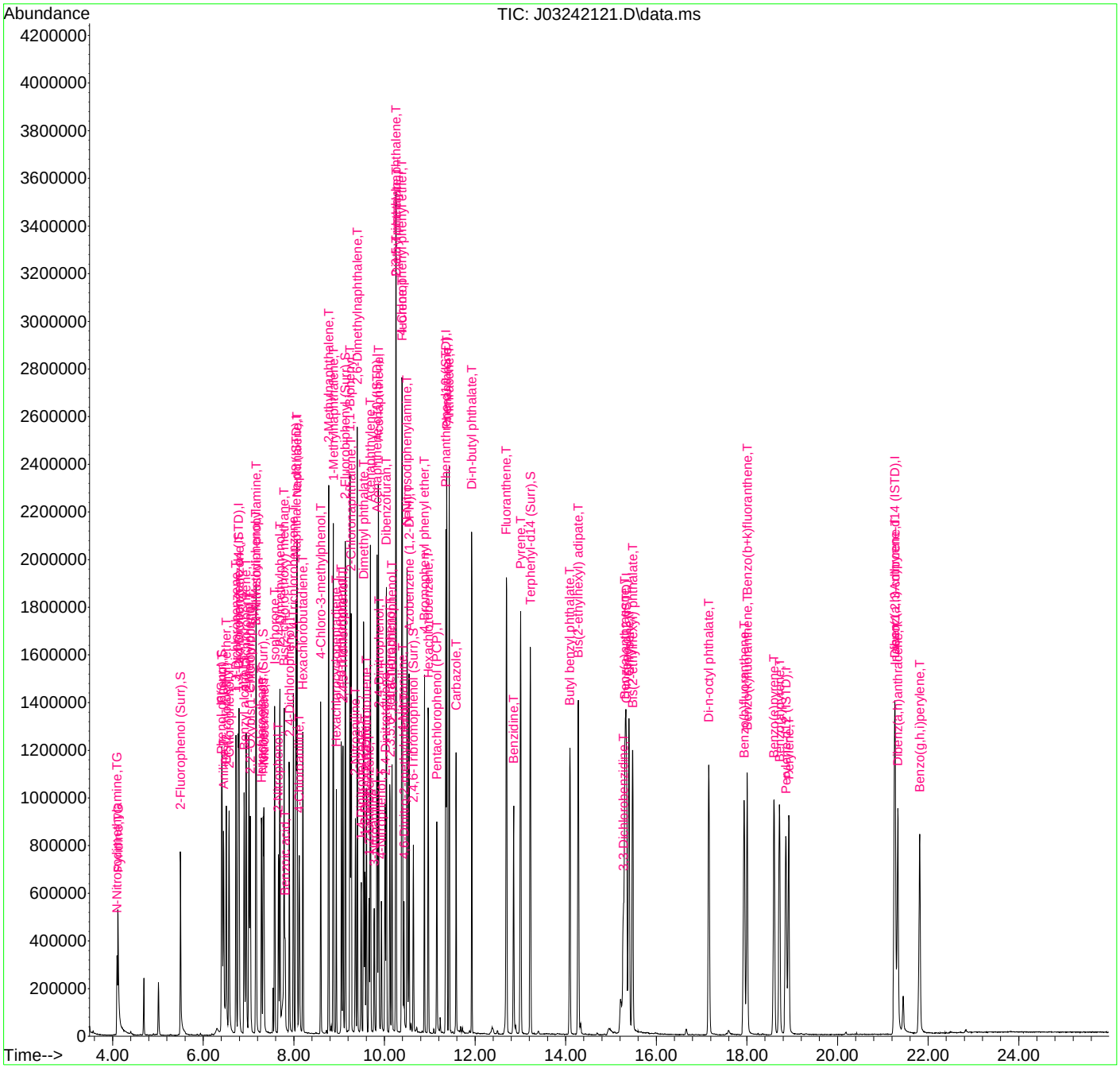
Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	570764	2189.59	ng/ml	98
66) Azobenzene (1,2-DPH)	10.547	77	690731	2656.89	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.884	248	194280	2036.38	ng/ml	87
69) Hexachlorobenzene	10.970	284	210095	1889.07	ng/ml	91
70) Pentachlorophenol (PCP)	11.157	266	109039	2391.18	ng/ml	98
71) Phenanthrene	11.376	178	973609	1951.90	ng/ml	99
72) Anthracene	11.430	178	981461	2063.99	ng/ml	99
73) Carbazole	11.585	167	554728	1442.46	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	1175411	2326.62	ng/ml	99
75) Fluoranthene	12.692	202	1062017	2087.13	ng/ml	96
76) Benzidine	12.852	184	529814	5182.84	ng/ml	97
77) Pyrene	13.007	202	1068281	2015.61	ng/ml	99
80) Butyl benzyl phthalate	14.093	149	504237	2452.71	ng/ml	90
81) Bis(2-ethylhexyl) adipate	14.280	129	474052	2698.41	ng/ml	99
82) 3,3-Dichlorobenzidine	15.275	252	229505	3403.24	ng/ml	98
83) Benz(a)anthracene	15.307	228	905655	2057.87	ng/ml	99
84) Chrysene	15.398	228	836305	2035.45	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.478	149	665327	2623.87	ng/ml	98
87) Di-n-octyl phthalate	17.158	149	1172094	2600.73	ng/ml	97
88) Benzo(b)fluoranthene	17.939	252	857151	2157.12	ng/ml	98
89) Benzo(k)fluoranthene	18.008	252	822691	2225.28	ng/ml	97
90) Benzo(b+k)fluoranthene	18.008	252	1706442	4329.88	ng/ml	97
91) Benzo(e)pyrene	18.597	252	824565	2138.49	ng/ml	99
92) Benzo(a)pyrene	18.720	252	783264	2116.93	ng/ml	98
93) Perylene	18.928	252	682500	2090.76	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.271	276	683078	2015.15	ng/ml	94
96) Dibenz(a,h)anthracene	21.330	278	658237	2078.87	ng/ml	92
97) Benzo(g,h,i)perylene	21.817	276	728521	2238.18	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	212942	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	954067	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	473185	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	864441	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.339	240	740819	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.859	264	658094	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.266	292	585604	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.498	112	346905	2473.32	ng/ml	0.00
5) Phenol-d6(Surr)	6.407	99	433847	2701.99	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	356663	2857.68	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	732844	2147.89	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	95969	2117.74	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	830421	2126.63	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.097	74	230165m	2603.99	ng/ml	
3) Pyridine	4.123	79	352480m	2729.43	ng/ml	
6) Phenol	6.418	94	473632	2739.00	ng/ml	88
7) Aniline	6.450	93	403130	2489.54	ng/ml	86
8) Bis(2-chloroethyl) ether	6.509	93	402220	2548.50	ng/ml	89
9) 2-Chlorophenol	6.573	128	350166	2438.19	ng/ml	91
10) 1,3-Dichlorobenzene	6.723	146	363238	2023.52	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	358307	2042.09	ng/ml	95
12) Benzyl alcohol	6.905	108	239552	2543.82	ng/ml	87
13) 1,2-Dichlorobenzene	6.947	146	350517	2071.38	ng/ml	96
14) 2-Methylphenol	7.012	107	280445	2535.32	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	422008	2458.45	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.172	70	263541	2777.57	ng/ml	90
17) 3+4-Methylphenol	7.161	107	358836	2574.09	ng/ml	97
18) Hexachloroethane	7.290	201	111833	1937.17	ng/ml	94
20) Nitrobenzene	7.343	77	350421	2955.01	ng/ml	88
22) Isophorone	7.579	82	693793	2353.16	ng/ml	91
23) 2-Nitrophenol	7.659	139	192061	2396.44	ng/ml	81
24) 2,4-Dimethylphenol	7.696	122	295251	1999.60	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.787	93	402417	2651.50	ng/ml	97
26) Benzoic acid	7.809	105	303631	5334.23	ng/ml	91
27) 2,4-Dichlorophenol	7.905	162	276315	2178.68	ng/ml	96
28) 1,2,4-Trichlorobenzene	7.990	180	301810	1992.45	ng/ml	95
29) Naphthalene	8.071	128	1008819	2041.21	ng/ml	99
30) 4-Chloroaniline	8.119	127	346392	2847.23	ng/ml	92
31) Hexachlorobutadiene	8.199	225	160115	1822.32	ng/ml	98
32) 4-Chloro-3-methylphenol	8.595	107	309260	2321.51	ng/ml	91
33) 2-Methylnaphthalene	8.771	142	726591	2143.60	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	664024	1981.61	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	161008	1993.76	ng/ml	98
37) 2,4,6-Trichlorophenol	9.049	196	200064	2096.48	ng/ml	100
38) 2,4,5-Trichlorophenol	9.087	198	191869	2089.26	ng/ml	94
39) 1,1'-Biphenyl	9.242	154	819512	2241.29	ng/ml	98
41) 2-Chloronaphthalene	9.263	162	607258	2256.92	ng/ml	92
42) 2-Nitroaniline	9.360	138	214623	2399.22	ng/ml	72
43) 2,6-Dimethylnaphthalene	9.402	156	616984	2120.08	ng/ml	94
44) 1,4-Dinitrobenzene	9.488	168	99210	2317.30	ng/ml	82
45) Dimethyl phthalate	9.541	163	710395	2043.52	ng/ml	98
46) 1,3-Dinitrobenzene	9.574	168	111777	2426.55	ng/ml	89
47) 2,6-Dinitrotoluene	9.606	165	166689	2357.32	ng/ml	82
48) 1,2-Dinitrobenzene	9.665	168	79391	2259.39	ng/ml#	57
49) Acenaphthylene	9.691	152	994437	2103.46	ng/ml	99
50) 3-Nitroaniline	9.777	138	111835	2178.56	ng/ml	84
51) Acenaphthene	9.868	153	614926	1973.77	ng/ml	98
52) 2,4-Dinitrophenol	9.878	184	52359	1650.62	ng/ml	74
53) 4-Nitrophenol	9.932	139	116497	2397.45	ng/ml	86
54) 2,4-Dinitrotoluene	10.018	165	219692	2400.52	ng/ml	85
55) Dibenzofuran	10.044	168	878131	2027.11	ng/ml	94
56) 2,3,5,6-Tetrachlorophenol	10.124	232	148555	2277.25	ng/ml	94
57) 2,3,4,6-Tetrachlorophenol	10.167	232	148015	2156.16	ng/ml	91
58) Diethyl phthalate	10.258	149	676394	2096.76	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.253	170	555760	1966.78	ng/ml	99
60) Fluorene	10.392	166	670347	1913.98	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.387	204	320907	1919.49	ng/ml	92
62) 4-Nitroaniline	10.403	138	95184	1766.24	ng/ml	93
63) 4,6-Dinitro-2-methylph...	10.435	198	84688	2005.98	ng/ml	89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

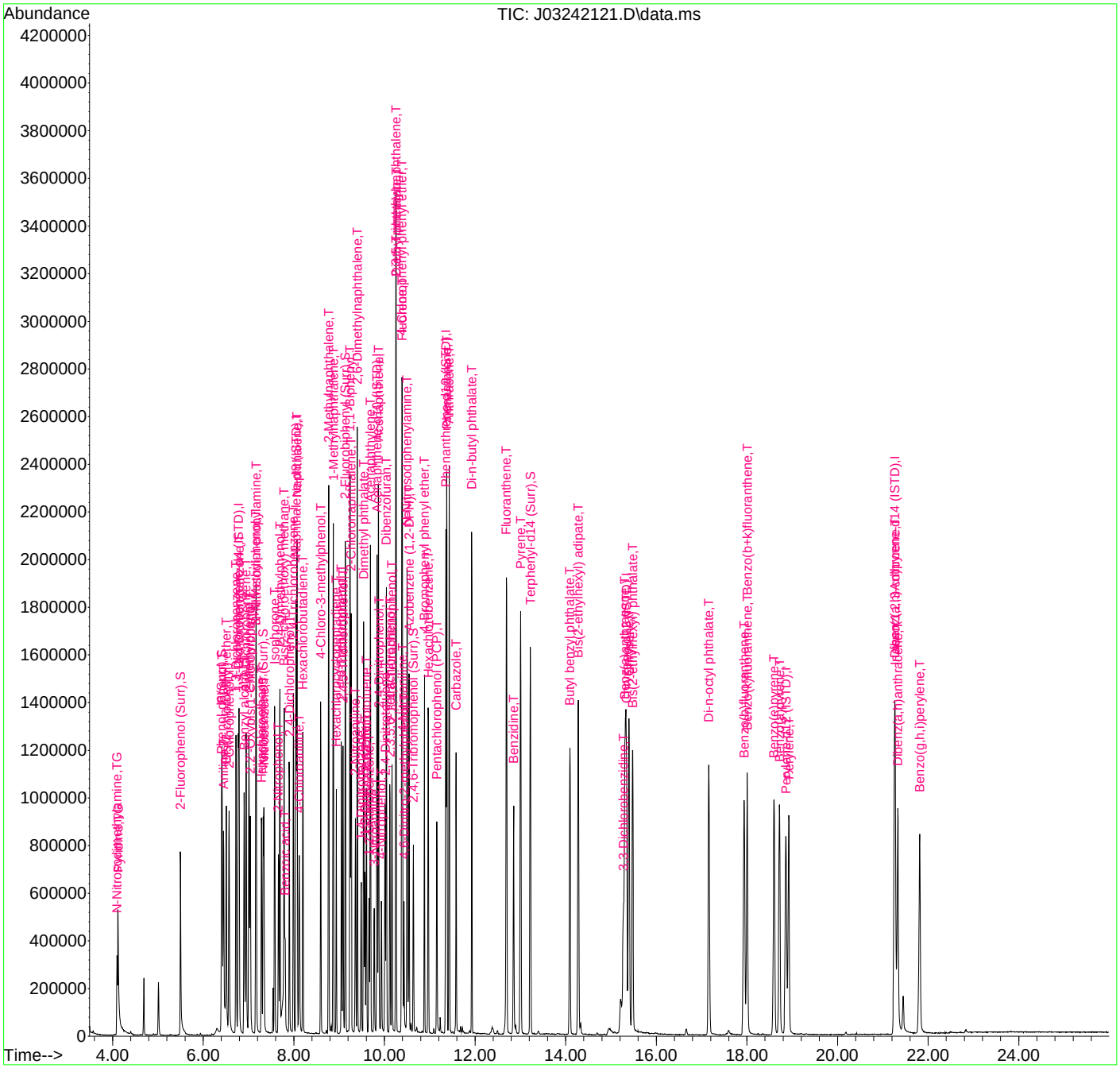
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	570764	2189.59	ng/ml	98
66) Azobenzene (1,2-DPH)	10.547	77	690731	2656.89	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.884	248	194280	2036.38	ng/ml	87
69) Hexachlorobenzene	10.970	284	210095	1889.07	ng/ml	91
70) Pentachlorophenol (PCP)	11.157	266	109039	2391.18	ng/ml	98
71) Phenanthrene	11.376	178	973609	1951.90	ng/ml	99
72) Anthracene	11.430	178	981461	2063.99	ng/ml	99
73) Carbazole	11.585	167	554728	1442.46	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	1175411	2326.62	ng/ml	99
75) Fluoranthene	12.692	202	1062017	2087.13	ng/ml	96
76) Benzidine	12.852	184	529814	5182.84	ng/ml	97
77) Pyrene	13.007	202	1068281	2015.61	ng/ml	99
80) Butyl benzyl phthalate	14.093	149	504237	2452.71	ng/ml	90
81) Bis(2-ethylhexyl) adipate	14.280	129	474052	2698.41	ng/ml	99
82) 3,3-Dichlorobenzidine	15.275	252	229505	3403.24	ng/ml	98
83) Benz(a)anthracene	15.307	228	905655	2057.87	ng/ml	99
84) Chrysene	15.398	228	836305	2035.45	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.478	149	665327	2623.87	ng/ml	98
87) Di-n-octyl phthalate	17.158	149	1172094	2600.73	ng/ml	97
88) Benzo(b)fluoranthene	17.939	252	857151	2157.12	ng/ml	98
89) Benzo(k)fluoranthene	18.008	252	822691	2225.28	ng/ml	97
90) Benzo(b+k)fluoranthene	18.008	252	1706442	4329.88	ng/ml	97
91) Benzo(e)pyrene	18.597	252	824565	2138.49	ng/ml	99
92) Benzo(a)pyrene	18.720	252	783264	2116.93	ng/ml	98
93) Perylene	18.928	252	682500	2090.76	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.271	276	683078	2015.15	ng/ml	94
96) Dibenz(a,h)anthracene	21.330	278	658237	2078.87	ng/ml	92
97) Benzo(g,h,i)perylene	21.817	276	728521	2238.18	ng/ml	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242121.D
Acq On : 25 Mar 2021 12:52 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL7
Misc : 1x, A21C132 BNA@2000
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 25 12:02:40 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	211291	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.055	136	944216	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.841	162	482898	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	876286	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.350	240	698181	2000.00	ng/ml	0.01
86) Perylene-d12 (ISTD)	18.875	264	640647	2000.00	ng/ml	0.01
94) Dibenz(a,h)Anthrcene-d...	21.282	292	584830	2000.00	ng/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	693549	4983.42	ng/ml	0.01
5) Phenol-d6(Surr)	6.413	99	864746	4900.68	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.327	82	691855	5100.27	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.140	172	1315693	3778.59	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.643	330	189111	3898.93	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.227	244	1511965	4108.46	ng/ml	0.01
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.097	74	461294m	5259.67	ng/ml	
3) Pyridine	4.118	79	730241	5092.23	ng/ml	85
6) Phenol	6.429	94	919445	4958.84	ng/ml	90
7) Aniline	6.455	93	773956	4816.94	ng/ml	89
8) Bis(2-chloroethyl) ether	6.514	93	804941	5140.03	ng/ml	91
9) 2-Chlorophenol	6.573	128	681323	4781.08	ng/ml	90
10) 1,3-Dichlorobenzene	6.723	146	676407	3797.56	ng/ml	94
11) 1,4-Dichlorobenzene	6.792	146	660210	3792.12	ng/ml	96
12) Benzyl alcohol	6.910	108	483111	4748.77	ng/ml	87
13) 1,2-Dichlorobenzene	6.948	146	647053	3853.64	ng/ml	92
14) 2-Methylphenol	7.017	107	534134	4691.66	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.044	45	775587	4553.57	ng/ml	84
16) N-Nitrosodi-n-propylamine	7.178	70	477698	5074.00	ng/ml	91
17) 3+4-Methylphenol	7.172	107	675067	4672.27	ng/ml	94
18) Hexachloroethane	7.290	201	212869	3716.12	ng/ml	87
20) Nitrobenzene	7.349	77	667213	5670.39	ng/ml	91
22) Isophorone	7.589	82	1323083	4534.36	ng/ml	93
23) 2-Nitrophenol	7.664	139	380526	4387.07	ng/ml	81
24) 2,4-Dimethylphenol	7.702	122	573051	3937.93	ng/ml	93

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.793	93	766244	5101.41	ng/ml	98
26) Benzoic acid	7.857	105	724051	9079.53	ng/ml	93
27) 2,4-Dichlorophenol	7.905	162	530139	4095.29	ng/ml	93
28) 1,2,4-Trichlorobenzene	7.996	180	551573	3679.29	ng/ml	96
29) Naphthalene	8.076	128	1784870	3649.12	ng/ml	98
30) 4-Chloroaniline	8.119	127	688755	5411.70	ng/ml	91
31) Hexachlorobutadiene	8.204	225	294380	3385.40	ng/ml	99
32) 4-Chloro-3-methylphenol	8.600	107	599352	4445.59	ng/ml	93
33) 2-Methylnaphthalene	8.771	142	1298656	3871.29	ng/ml	95
34) 1-Methylnaphthalene	8.873	142	1180446	3559.50	ng/ml	94
36) Hexachlorocyclopentadiene	8.937	237	302924	3619.33	ng/ml	97
37) 2,4,6-Trichlorophenol	9.055	196	376319	3806.85	ng/ml	99
38) 2,4,5-Trichlorophenol	9.092	198	371910	3917.76	ng/ml	94
39) 1,1'-Biphenyl	9.242	154	1457533	3906.04	ng/ml	98
41) 2-Chloronaphthalene	9.269	162	1099483	4004.11	ng/ml	92
42) 2-Nitroaniline	9.365	138	413958	4131.13	ng/ml	74
43) 2,6-Dimethylnaphthalene	9.408	156	1090035	3670.24	ng/ml	98
44) 1,4-Dinitrobenzene	9.494	168	206015	4174.89	ng/ml	83
45) Dimethyl phthalate	9.552	163	1291185	3639.51	ng/ml	98
46) 1,3-Dinitrobenzene	9.579	168	227068	4830.23	ng/ml	85
47) 2,6-Dinitrotoluene	9.611	165	322899	4474.59	ng/ml	78
48) 1,2-Dinitrobenzene	9.675	168	157256	4385.33	ng/ml	70
49) Acenaphthylene	9.697	152	1758057	3643.90	ng/ml	100
50) 3-Nitroaniline	9.782	138	135268	2635.00	ng/ml	82
51) Acenaphthene	9.873	153	1092378	3435.76	ng/ml	97
52) 2,4-Dinitrophenol	9.889	184	123986	3326.47	ng/ml	81
53) 4-Nitrophenol	9.943	139	244683	4198.68	ng/ml	83
54) 2,4-Dinitrotoluene	10.023	165	435395	4661.77	ng/ml	83
55) Dibenzofuran	10.050	168	1571796	3555.40	ng/ml	92
56) 2,3,5,6-Tetrachlorophenol	10.125	232	291048	3954.00	ng/ml	90
57) 2,3,4,6-Tetrachlorophenol	10.173	232	291376	3882.77	ng/ml	90
58) Diethyl phthalate	10.264	149	1157892	3517.16	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.258	170	939966	3259.54	ng/ml	97
60) Fluorene	10.397	166	1169671	3272.48	ng/ml	100
61) 4-Chlorophenyl phenyl ...	10.387	204	572371	3354.74	ng/ml	87
62) 4-Nitroaniline	10.408	138	174269	3168.69	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.440	198	185915	3761.13	ng/ml	84

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

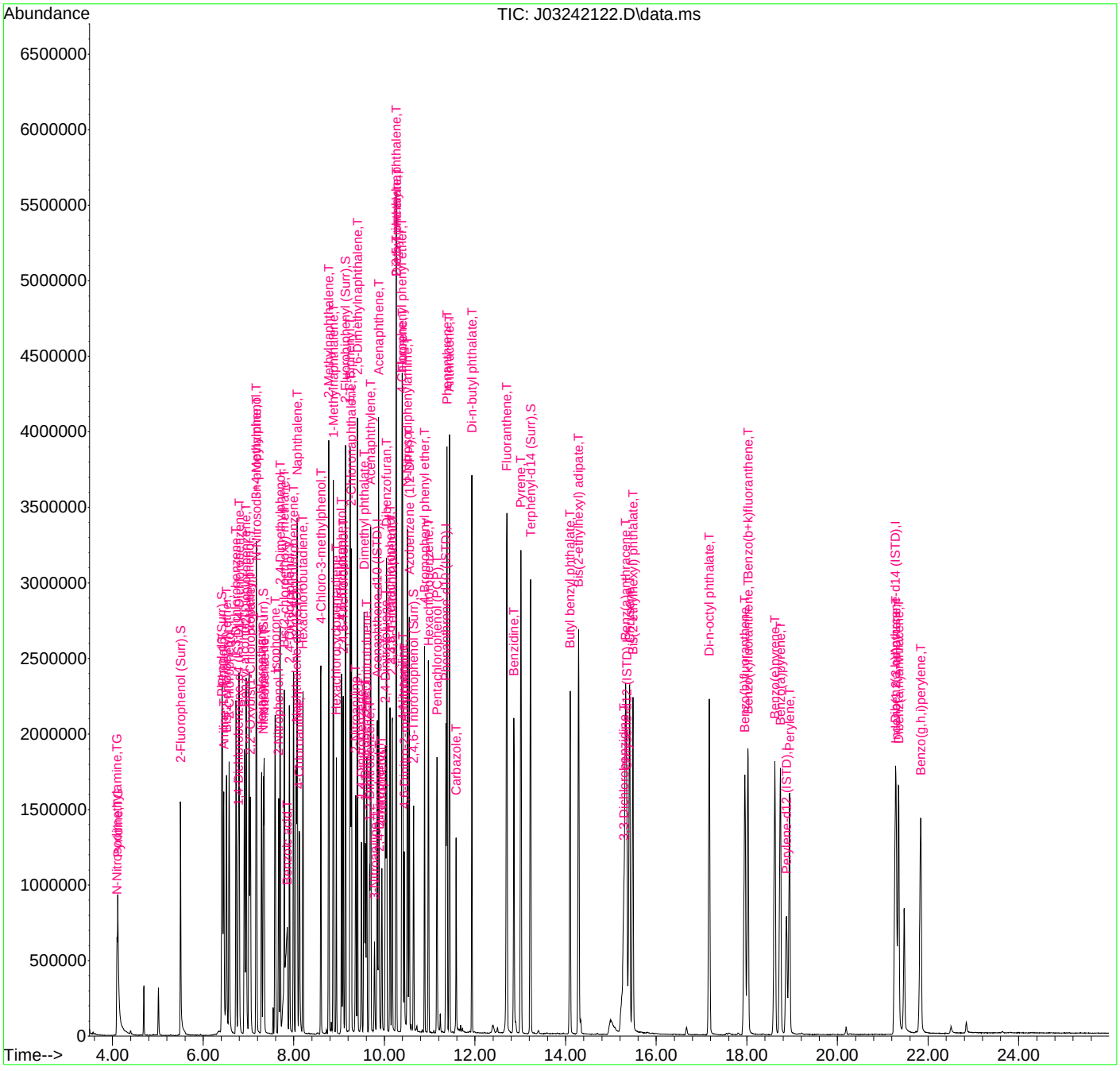
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.510	169	978212	3701.94	ng/ml	99
66) Azobenzene (1,2-DPH)	10.553	77	1248657	4738.02	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.890	248	367817	3803.23	ng/ml	89
69) Hexachlorobenzene	10.975	284	381835	3386.86	ng/ml	91
70) Pentachlorophenol (PCP)	11.162	266	226251	4141.96	ng/ml	99
71) Phenanthrene	11.382	178	1745887	3452.86	ng/ml	97
72) Anthracene	11.435	178	1763580	3658.63	ng/ml	98
73) Carbazole	11.585	167	633123	1650.44	ng/ml	98
74) Di-n-butyl phthalate	11.932	149	2108057	4116.30	ng/ml	98
75) Fluoranthene	12.703	202	1917086	3716.63	ng/ml	97
76) Benzidine	12.858	184	1194139	9574.76	ng/ml	97
77) Pyrene	13.013	202	1947488	3624.82	ng/ml	99
80) Butyl benzyl phthalate	14.099	149	963306	4597.41	ng/ml	82
81) Bis(2-ethylhexyl) adipate	14.286	129	923974	5580.65	ng/ml	99
82) 3,3-Dichlorobenzidine	15.286	252	370497	6656.11	ng/ml	98
83) Benz(a)anthracene	15.324	228	1674142	4036.37	ng/ml	100
84) Chrysene	15.414	228	1569359	4052.87	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.484	149	1274621	5333.74	ng/ml	97
87) Di-n-octyl phthalate	17.169	149	2285009	4720.88	ng/ml	97
88) Benzo(b)fluoranthene	17.955	252	1617566	4181.66	ng/ml	95
89) Benzo(k)fluoranthene	18.030	252	1509173	4193.30	ng/ml	97
90) Benzo(b+k)fluoranthene	18.030	252	3172983	8270.29	ng/ml	97
91) Benzo(e)pyrene	18.618	252	1526817	4067.61	ng/ml	98
92) Benzo(a)pyrene	18.741	252	1450134	4023.59	ng/ml	96
93) Perylene	18.945	252	1252990	3942.91	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.293	276	1350255	3988.66	ng/ml	89
96) Dibenz(a,h)anthracene	21.351	278	1267281	4007.68	ng/ml	93
97) Benzo(g,h,i)perylene	21.838	276	1359062	4180.87	ng/ml	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
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35) Acenaphthene-d10 (ISTD)	9.841	162	482898	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	876286	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.350	240	698181	2000.00	ng/ml	0.01
86) Perylene-d12 (ISTD)	18.875	264	640647	2000.00	ng/ml	0.01
94) Dibenz(a,h)Anthrcene-d...	21.282	292	584830	2000.00	ng/ml	0.02
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	693549	4983.42	ng/ml	0.01
5) Phenol-d6(Surr)	6.413	99	864746	4900.68	ng/ml	0.01
19) Nitrobenzene-d5 (Surr)	7.327	82	691855	5100.27	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.140	172	1315693	3778.59	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.643	330	189111	3898.93	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.227	244	1511965	4108.46	ng/ml	0.01
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.097	74	461294m	5259.67	ng/ml	
3) Pyridine	4.118	79	730241	5092.23	ng/ml	85
6) Phenol	6.429	94	919445	4958.84	ng/ml	90
7) Aniline	6.455	93	773956	4816.94	ng/ml	89
8) Bis(2-chloroethyl) ether	6.514	93	804941	5140.03	ng/ml	91
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10) 1,3-Dichlorobenzene	6.723	146	676407	3797.56	ng/ml	94
11) 1,4-Dichlorobenzene	6.792	146	660210	3792.12	ng/ml	96
12) Benzyl alcohol	6.910	108	483111	4748.77	ng/ml	87
13) 1,2-Dichlorobenzene	6.948	146	647053	3853.64	ng/ml	92
14) 2-Methylphenol	7.017	107	534134	4691.66	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.044	45	775587	4553.57	ng/ml	84
16) N-Nitrosodi-n-propylamine	7.178	70	477698	5074.00	ng/ml	91
17) 3+4-Methylphenol	7.172	107	675067	4672.27	ng/ml	94
18) Hexachloroethane	7.290	201	212869	3716.12	ng/ml	87
20) Nitrobenzene	7.349	77	667213	5670.39	ng/ml	91
22) Isophorone	7.589	82	1323083	4534.36	ng/ml	93
23) 2-Nitrophenol	7.664	139	380526	4387.07	ng/ml	81
24) 2,4-Dimethylphenol	7.702	122	573051	3937.93	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.793	93	766244	5101.41	ng/ml	98
26) Benzoic acid	7.857	105	724051	9079.53	ng/ml	93
27) 2,4-Dichlorophenol	7.905	162	530139	4095.29	ng/ml	93
28) 1,2,4-Trichlorobenzene	7.996	180	551573	3679.29	ng/ml	96
29) Naphthalene	8.076	128	1784870	3649.12	ng/ml	98
30) 4-Chloroaniline	8.119	127	688755	5411.70	ng/ml	91
31) Hexachlorobutadiene	8.204	225	294380	3385.40	ng/ml	99
32) 4-Chloro-3-methylphenol	8.600	107	599352	4445.59	ng/ml	93
33) 2-Methylnaphthalene	8.771	142	1298656	3871.29	ng/ml	95
34) 1-Methylnaphthalene	8.873	142	1180446	3559.50	ng/ml	94
36) Hexachlorocyclopentadiene	8.937	237	302924	3619.33	ng/ml	97
37) 2,4,6-Trichlorophenol	9.055	196	376319	3806.85	ng/ml	99
38) 2,4,5-Trichlorophenol	9.092	198	371910	3917.76	ng/ml	94
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43) 2,6-Dimethylnaphthalene	9.408	156	1090035	3670.24	ng/ml	98
44) 1,4-Dinitrobenzene	9.494	168	206015	4174.89	ng/ml	83
45) Dimethyl phthalate	9.552	163	1291185	3639.51	ng/ml	98
46) 1,3-Dinitrobenzene	9.579	168	227068	4830.23	ng/ml	85
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49) Acenaphthylene	9.697	152	1758057	3643.90	ng/ml	100
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55) Dibenzofuran	10.050	168	1571796	3555.40	ng/ml	92
56) 2,3,5,6-Tetrachlorophenol	10.125	232	291048	3954.00	ng/ml	90
57) 2,3,4,6-Tetrachlorophenol	10.173	232	291376	3882.77	ng/ml	90
58) Diethyl phthalate	10.264	149	1157892	3517.16	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.258	170	939966	3259.54	ng/ml	97
60) Fluorene	10.397	166	1169671	3272.48	ng/ml	100
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62) 4-Nitroaniline	10.408	138	174269	3168.69	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.440	198	185915	3761.13	ng/ml	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

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Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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68) 4-Bromophenyl phenyl e...	10.890	248	367817	3803.23	ng/ml	89
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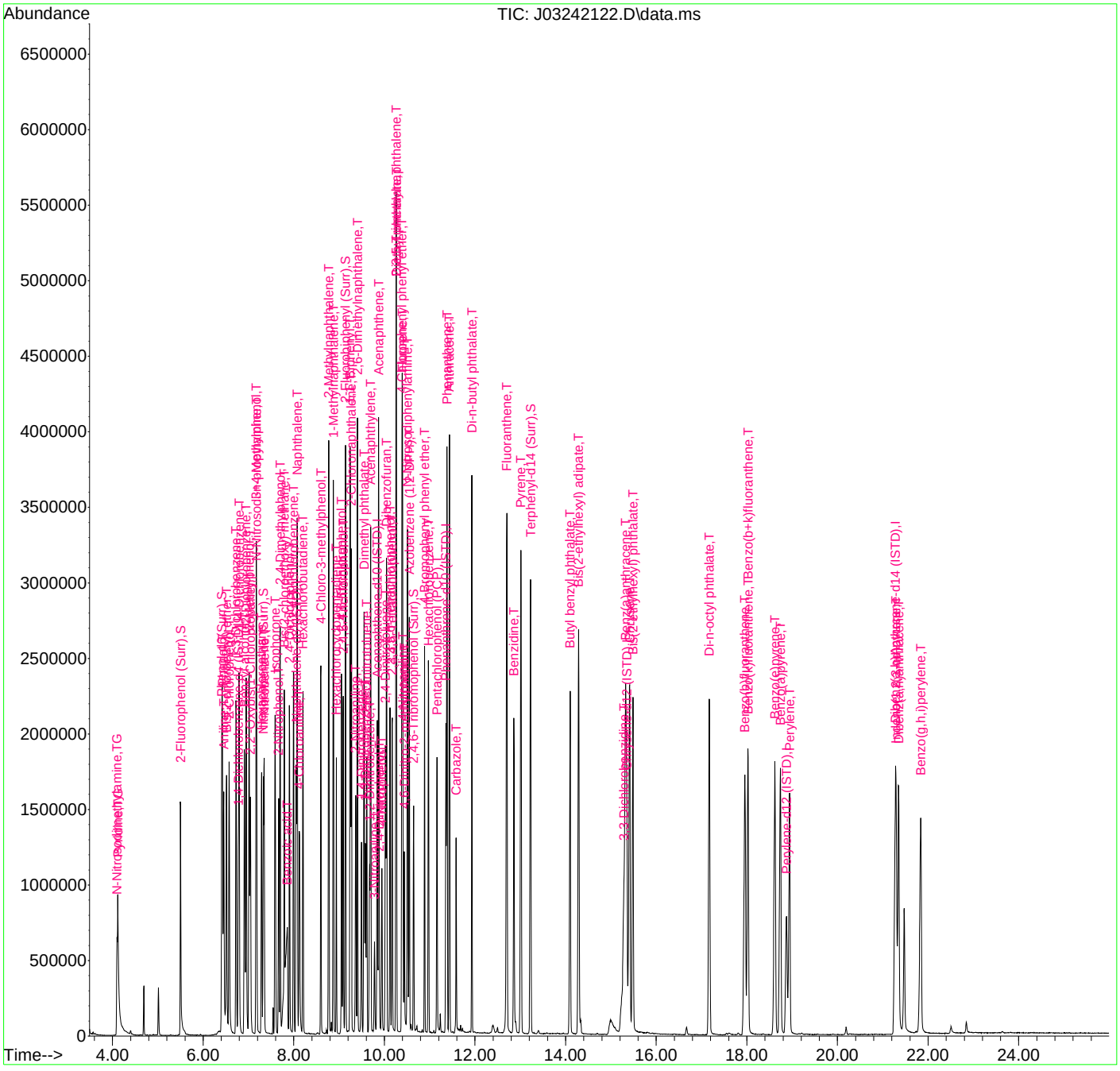
71) Phenanthrene	11.382	178	1745887	3452.86	ng/ml	97
72) Anthracene	11.435	178	1763580	3658.63	ng/ml	98
73) Carbazole	11.585	167	633123	1650.44	ng/ml	98
74) Di-n-butyl phthalate	11.932	149	2108057	4116.30	ng/ml	98
75) Fluoranthene	12.703	202	1917086	3716.63	ng/ml	97
76) Benzidine	12.858	184	1194139	9574.76	ng/ml	97
77) Pyrene	13.013	202	1947488	3624.82	ng/ml	99
80) Butyl benzyl phthalate	14.099	149	963306	4597.41	ng/ml	82
81) Bis(2-ethylhexyl) adipate	14.286	129	923974	5580.65	ng/ml	99
82) 3,3-Dichlorobenzidine	15.286	252	370497	6656.11	ng/ml	98
83) Benz(a)anthracene	15.324	228	1674142	4036.37	ng/ml	100
84) Chrysene	15.414	228	1569359	4052.87	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.484	149	1274621	5333.74	ng/ml	97
87) Di-n-octyl phthalate	17.169	149	2285009	4720.88	ng/ml	97
88) Benzo(b)fluoranthene	17.955	252	1617566	4181.66	ng/ml	95
89) Benzo(k)fluoranthene	18.030	252	1509173	4193.30	ng/ml	97
90) Benzo(b+k)fluoranthene	18.030	252	3172983	8270.29	ng/ml	97
91) Benzo(e)pyrene	18.618	252	1526817	4067.61	ng/ml	98
92) Benzo(a)pyrene	18.741	252	1450134	4023.59	ng/ml	96
93) Perylene	18.945	252	1252990	3942.91	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.293	276	1350255	3988.66	ng/ml	89
96) Dibenz(a,h)anthracene	21.351	278	1267281	4007.68	ng/ml	93
97) Benzo(g,h,i)perylene	21.838	276	1359062	4180.87	ng/ml	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242122.D
Acq On : 25 Mar 2021 1:27 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL8
Misc : 1x, A21C133 BNA@4000
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 25 12:08:11 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 25 12:11:50 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.782	152	217946	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.055	136	959507	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.841	162	487756	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.360	188	903214	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.356	240	708958	2000.00	ng/ml	0.02
86) Perylene-d12 (ISTD)	18.880	264	652960	2000.00	ng/ml	0.02
94) Dibenz(a,h)Anthrcene-d...	21.293	292	597561	2000.00	ng/ml	0.03
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	1056157	7357.17	ng/ml	0.01
5) Phenol-d6(Surr)	6.418	99	1268462	6512.18	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.333	82	1010215	6779.69	ng/ml	0.01
40) 2-Fluorobiphenyl (Surr)	9.146	172	1807643	5139.74	ng/ml	0.01
67) 2,4,6-Tribromophenol (...	10.649	330	279858	5367.95	ng/ml	0.01
79) Terphenyl-d14 (Surr)	13.232	244	2189690	5859.59	ng/ml	0.02
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.118	74	693318m	7663.81	ng/ml#	
3) Pyridine	4.129	79	1086560m	6816.33	ng/ml	
6) Phenol	6.434	94	1339835	6636.78	ng/ml	88
7) Aniline	6.461	93	1121336	6765.86	ng/ml	90
8) Bis(2-chloroethyl) ether	6.520	93	1171945	7255.06	ng/ml	91
9) 2-Chlorophenol	6.578	128	995809	6774.56	ng/ml	91
10) 1,3-Dichlorobenzene	6.728	146	999413	5439.68	ng/ml	95
11) 1,4-Dichlorobenzene	6.798	146	963844	5367.08	ng/ml	94
12) Benzyl alcohol	6.921	108	708537	6378.90	ng/ml	86
13) 1,2-Dichlorobenzene	6.953	146	930223	5370.94	ng/ml	95
14) 2-Methylphenol	7.022	107	762358	6327.47	ng/ml	99
15) 2,2'-Oxybis(1-Chloropr...	7.044	45	1085190	6176.74	ng/ml	84
16) N-Nitrosodi-n-propylamine	7.188	70	690461	7109.98	ng/ml	91
17) 3+4-Methylphenol	7.177	107	961909	6261.45	ng/ml	95
18) Hexachloroethane	7.290	201	317283	5369.78	ng/ml	89
20) Nitrobenzene	7.354	77	949889	7826.24	ng/ml	93
22) Isophorone	7.595	82	1978077	6671.06	ng/ml	93
23) 2-Nitrophenol	7.670	139	561952	5973.57	ng/ml	85
24) 2,4-Dimethylphenol	7.707	122	826771	5626.55	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 25 12:11:50 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.798	93	1100856	7212.35	ng/ml	99
26) Benzoic acid	7.707	105	29741	1061.95	ng/ml#	1
27) 2,4-Dichlorophenol	7.910	162	753586	5608.86	ng/ml	96
28) 1,2,4-Trichlorobenzene	7.996	180	783356	5142.13	ng/ml	95
29) Naphthalene	8.076	128	2463502	4956.30	ng/ml	98
30) 4-Chloroaniline	8.130	127	970408	7234.45	ng/ml	92
31) Hexachlorobutadiene	8.204	225	425553	4815.91	ng/ml	99
32) 4-Chloro-3-methylphenol	8.600	107	885629	6351.77	ng/ml	93
33) 2-Methylnaphthalene	8.777	142	1789528	5249.56	ng/ml	94
34) 1-Methylnaphthalene	8.878	142	1634256	4849.38	ng/ml	94
36) Hexachlorocyclopentadiene	8.943	237	453979	5307.49	ng/ml	97
37) 2,4,6-Trichlorophenol	9.060	196	551426	5462.59	ng/ml	99
38) 2,4,5-Trichlorophenol	9.092	198	533766	5519.66	ng/ml	97
39) 1,1'-Biphenyl	9.247	154	1973909	5237.19	ng/ml	99
41) 2-Chloronaphthalene	9.274	162	1518819	5476.16	ng/ml	90
42) 2-Nitroaniline	9.370	138	614420	5638.37	ng/ml	73
43) 2,6-Dimethylnaphthalene	9.413	156	1499661	4999.19	ng/ml	92
44) 1,4-Dinitrobenzene	9.499	168	314436	5753.81	ng/ml	83
45) Dimethyl phthalate	9.563	163	1835656	5122.69	ng/ml	97
46) 1,3-Dinitrobenzene	9.590	168	340728	7175.83	ng/ml	85
47) 2,6-Dinitrotoluene	9.616	165	471497	6468.72	ng/ml	74
48) 1,2-Dinitrobenzene	9.681	168	231750	6398.35	ng/ml#	51
49) Acenaphthylene	9.702	152	2382871	4889.75	ng/ml	99
50) 3-Nitroaniline	9.788	138	117082	2216.30	ng/ml	90
51) Acenaphthene	9.879	153	1524778	4747.99	ng/ml	98
52) 2,4-Dinitrophenol	9.895	184	213004	5190.13	ng/ml	79
53) 4-Nitrophenol	9.953	139	389732	5837.45	ng/ml	83
54) 2,4-Dinitrotoluene	10.034	165	635130	6732.60	ng/ml	83
55) Dibenzofuran	10.050	168	2152452	4820.35	ng/ml	89
56) 2,3,5,6-Tetrachlorophenol	10.130	232	436620	5423.87	ng/ml	90
57) 2,3,4,6-Tetrachlorophenol	10.178	232	432440	5396.87	ng/ml	90
58) Diethyl phthalate	10.274	149	1584116	4763.92	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.264	170	1304327	4477.99	ng/ml	98
60) Fluorene	10.403	166	1621372	4491.06	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.392	204	818015	4746.74	ng/ml	87
62) 4-Nitroaniline	10.419	138	295150	5313.20	ng/ml	88
63) 4,6-Dinitro-2-methylph...	10.451	198	301800	5420.57	ng/ml	86

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

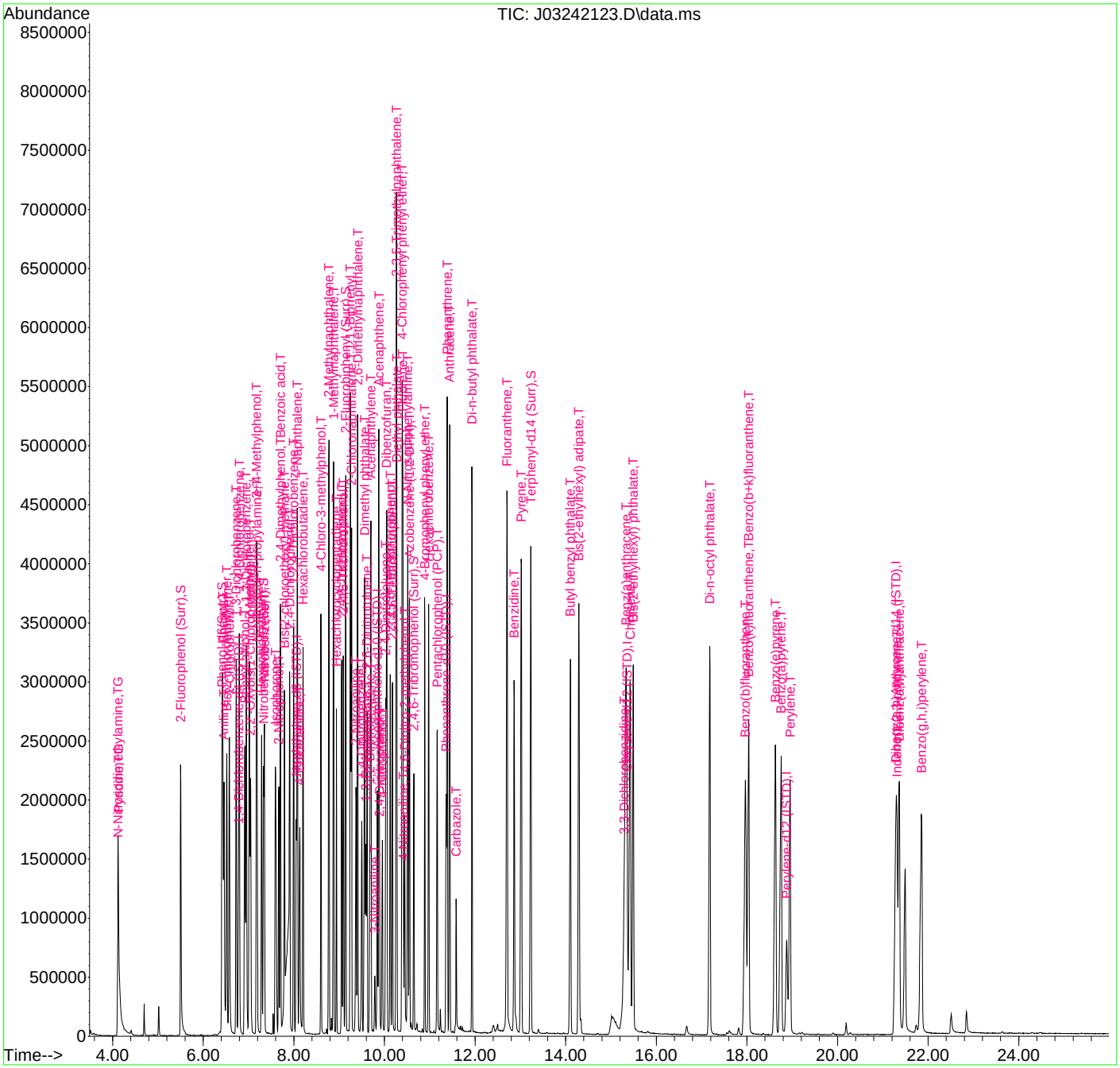
Quant Time: Mar 25 12:11:50 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.515	169	1283093	4710.96	ng/ml	99
66) Azobenzene (1,2-DPH)	10.552	77	1739247	6402.81	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.895	248	535577	5372.76	ng/ml	91
69) Hexachlorobenzene	10.975	284	551991	4750.17	ng/ml	89
70) Pentachlorophenol (PCP)	11.168	266	347473	5513.86	ng/ml	99
71) Phenanthrene	11.387	178	2474384	4747.71	ng/ml	97
72) Anthracene	11.440	178	2459789	4950.81	ng/ml	98
73) Carbazole	11.585	167	635056	1599.77	ng/ml	97
74) Di-n-butyl phthalate	11.932	149	2948757	5586.23	ng/ml	97
75) Fluoranthene	12.708	202	2721044	5117.98	ng/ml	96
76) Benzidine	12.863	184	1817296	12648.01	ng/ml	97
77) Pyrene	13.024	202	2795059	5047.28	ng/ml	98
80) Butyl benzyl phthalate	14.104	149	1459304	6445.28	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.291	129	1337993	7958.42	ng/ml	98
82) 3,3-Dichlorobenzidine	15.291	252	449986	8761.45	ng/ml	98
83) Benz(a)anthracene	15.334	228	2429437	5768.36	ng/ml	99
84) Chrysene	15.425	228	2283060	5806.38	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.489	149	1858357	7658.21	ng/ml	96
87) Di-n-octyl phthalate	17.179	149	3335684	6320.68	ng/ml	96
88) Benzo(b)fluoranthene	17.966	252	2407677	6106.85	ng/ml	96
89) Benzo(k)fluoranthene	18.041	252	2075571	5658.31	ng/ml	94
90) Benzo(b+k)fluoranthene	18.041	252	4625573	11829.08	ng/ml	94
91) Benzo(e)pyrene	18.629	252	2231010	5831.57	ng/ml	96
92) Benzo(a)pyrene	18.757	252	2127270	5792.19	ng/ml	96
93) Perylene	18.955	252	1835881	5668.22	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.314	276	2141661	6191.70	ng/ml	92
96) Dibenz(a,h)anthracene	21.362	278	1903439	5891.24	ng/ml	91
97) Benzo(g,h,i)perylene	21.854	276	2052548	6179.72	ng/ml	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

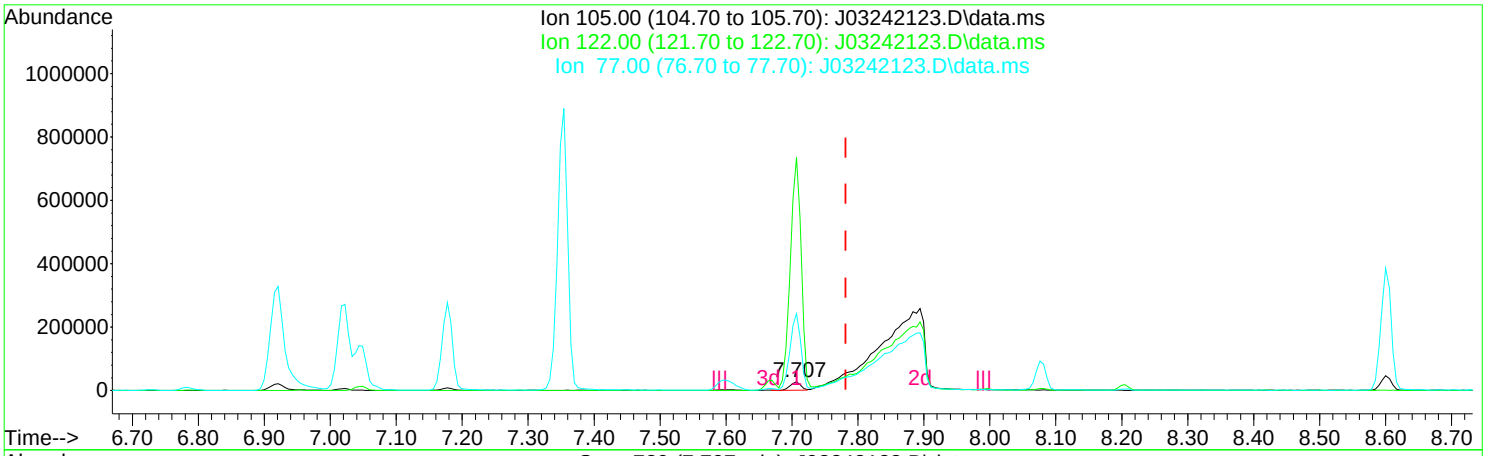
Quant Time: Mar 25 12:11:50 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

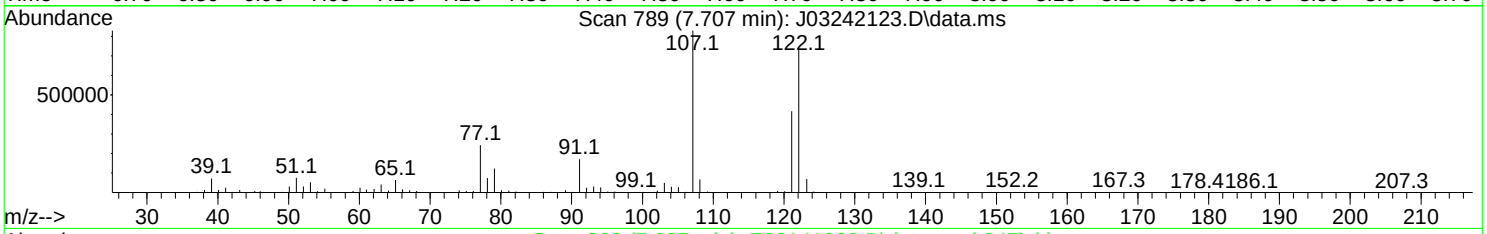


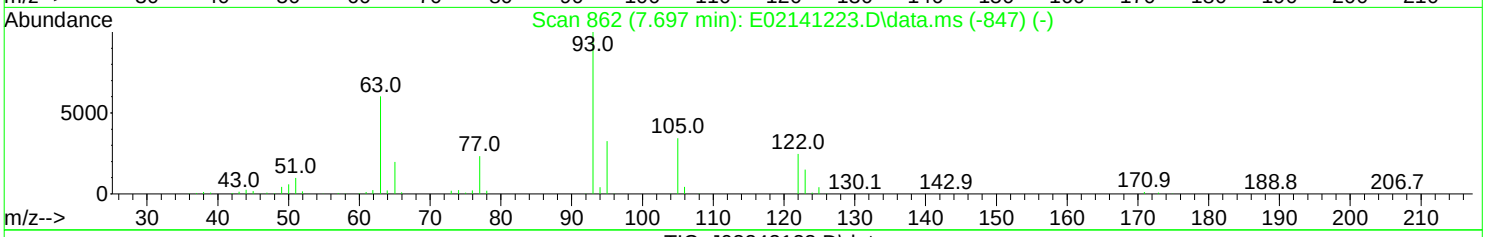
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 25 12:11:50 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242123.D\data.ms

(26) Benzoic acid (T)

7.707min (-0.075) 1061.95 ng/ml

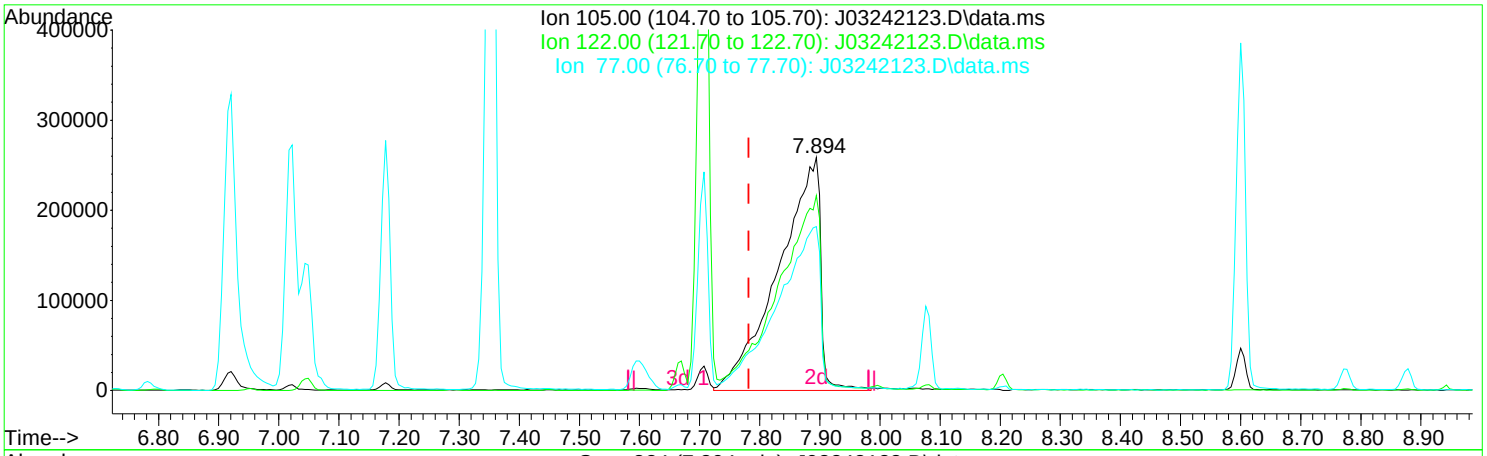
response 29741

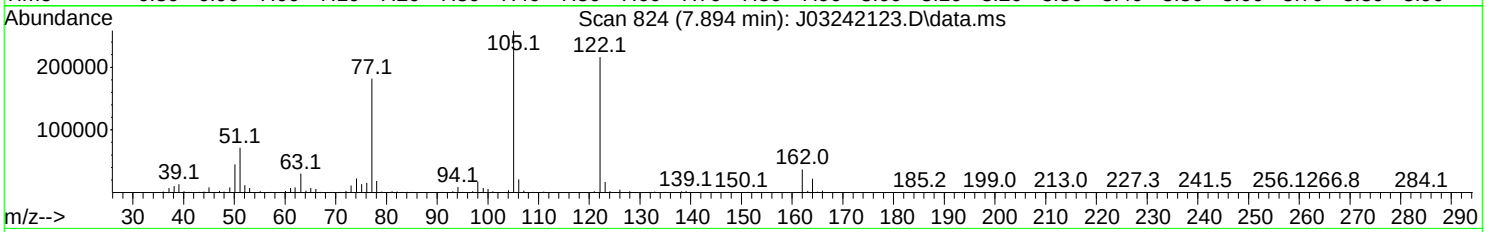
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	2708.49#
77.00	61.50	893.87#
0.00	0.00	0.00

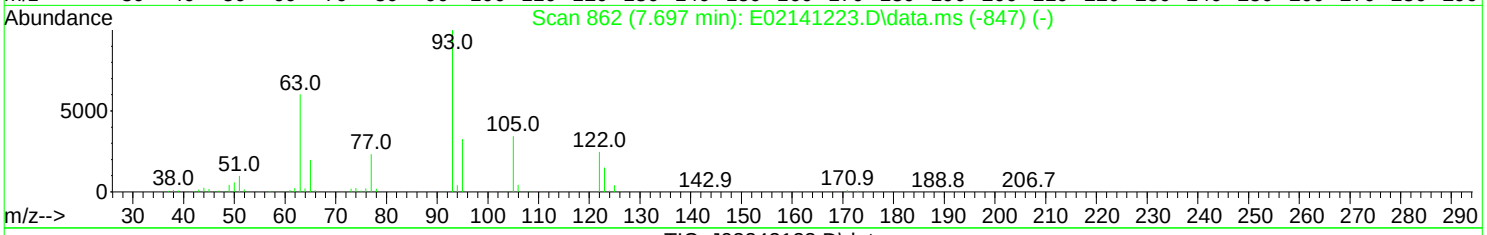
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 25 12:11:50 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242123.D\data.ms

(26) Benzoic acid (T)

7.894min (+ 0.112) 12326.83 ng/ml m

response 1251724

Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	83.68
77.00	61.50	70.34
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 12:13:07 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.782	152	217946	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.055	136	959507	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.841	162	487756	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.360	188	903214	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.356	240	708958	2000.00	ng/ml	0.02
86) Perylene-d12 (ISTD)	18.880	264	652960	2000.00	ng/ml	0.02
94) Dibenz(a,h)Anthrcene-d...	21.293	292	597561	2000.00	ng/ml	0.03
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	1056157	7357.17	ng/ml	0.01
5) Phenol-d6(Surr)	6.418	99	1268462	6512.18	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.333	82	1010215	6779.69	ng/ml	0.01
40) 2-Fluorobiphenyl (Surr)	9.146	172	1807643	5139.74	ng/ml	0.01
67) 2,4,6-Tribromophenol (...	10.649	330	279858	5367.95	ng/ml	0.01
79) Terphenyl-d14 (Surr)	13.232	244	2189690	5859.59	ng/ml	0.02
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.118	74	693318m	7663.81	ng/ml#	
3) Pyridine	4.129	79	1086560m	6816.33	ng/ml	
6) Phenol	6.434	94	1339835	6636.78	ng/ml	88
7) Aniline	6.461	93	1121336	6765.86	ng/ml	90
8) Bis(2-chloroethyl) ether	6.520	93	1171945	7255.06	ng/ml	91
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15) 2,2'-Oxybis(1-Chloropr...	7.044	45	1085190	6176.74	ng/ml	84
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18) Hexachloroethane	7.290	201	317283	5369.78	ng/ml	89
20) Nitrobenzene	7.354	77	949889	7826.24	ng/ml	93
22) Isophorone	7.595	82	1978077	6671.06	ng/ml	93
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24) 2,4-Dimethylphenol	7.707	122	826771	5626.55	ng/ml	92

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 25 12:13:07 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.798	93	1100856	7212.35	ng/ml	99
26) Benzoic acid	7.894	105	1251724m	12326.83	ng/ml	
27) 2,4-Dichlorophenol	7.910	162	753586	5608.86	ng/ml	96
28) 1,2,4-Trichlorobenzene	7.996	180	783356	5142.13	ng/ml	95
29) Naphthalene	8.076	128	2463502	4956.30	ng/ml	98
30) 4-Chloroaniline	8.130	127	970408	7234.45	ng/ml	92
31) Hexachlorobutadiene	8.204	225	425553	4815.91	ng/ml	99
32) 4-Chloro-3-methylphenol	8.600	107	885629	6351.77	ng/ml	93
33) 2-Methylnaphthalene	8.777	142	1789528	5249.56	ng/ml	94
34) 1-Methylnaphthalene	8.878	142	1634256	4849.38	ng/ml	94
36) Hexachlorocyclopentadiene	8.943	237	453979	5307.49	ng/ml	97
37) 2,4,6-Trichlorophenol	9.060	196	551426	5462.59	ng/ml	99
38) 2,4,5-Trichlorophenol	9.092	198	533766	5519.66	ng/ml	97
39) 1,1'-Biphenyl	9.247	154	1973909	5237.19	ng/ml	99
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45) Dimethyl phthalate	9.563	163	1835656	5122.69	ng/ml	97
46) 1,3-Dinitrobenzene	9.590	168	340728	7175.83	ng/ml	85
47) 2,6-Dinitrotoluene	9.616	165	471497	6468.72	ng/ml	74
48) 1,2-Dinitrobenzene	9.681	168	231750	6398.35	ng/ml#	51
49) Acenaphthylene	9.702	152	2382871	4889.75	ng/ml	99
50) 3-Nitroaniline	9.788	138	117082	2216.30	ng/ml	90
51) Acenaphthene	9.879	153	1524778	4747.99	ng/ml	98
52) 2,4-Dinitrophenol	9.895	184	213004	5190.13	ng/ml	79
53) 4-Nitrophenol	9.953	139	389732	5837.45	ng/ml	83
54) 2,4-Dinitrotoluene	10.034	165	635130	6732.60	ng/ml	83
55) Dibenzofuran	10.050	168	2152452	4820.35	ng/ml	89
56) 2,3,5,6-Tetrachlorophenol	10.130	232	436620	5423.87	ng/ml	90
57) 2,3,4,6-Tetrachlorophenol	10.178	232	432440	5396.87	ng/ml	90
58) Diethyl phthalate	10.274	149	1584116	4763.92	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.264	170	1304327	4477.99	ng/ml	98
60) Fluorene	10.403	166	1621372	4491.06	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.392	204	818015	4746.74	ng/ml	87
62) 4-Nitroaniline	10.419	138	295150	5313.20	ng/ml	88
63) 4,6-Dinitro-2-methylph...	10.451	198	301800	5420.57	ng/ml	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

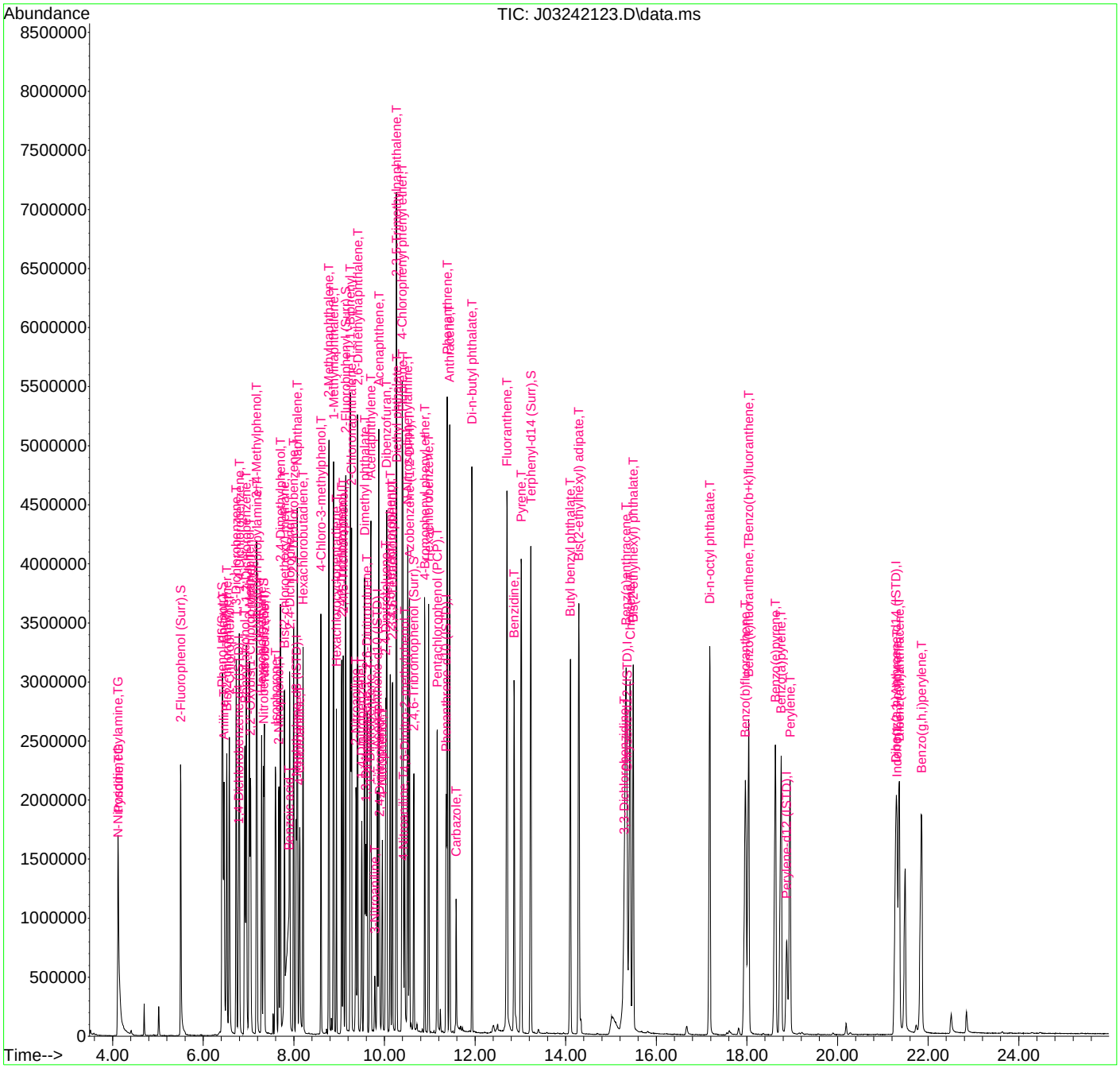
Quant Time: Mar 25 12:13:07 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.515	169	1283093	4710.96	ng/ml	99
66) Azobenzene (1,2-DPH)	10.552	77	1739247	6402.81	ng/ml	93
68) 4-Bromophenyl phenyl e...	10.895	248	535577	5372.76	ng/ml	91
69) Hexachlorobenzene	10.975	284	551991	4750.17	ng/ml	89
70) Pentachlorophenol (PCP)	11.168	266	347473	5513.86	ng/ml	99
71) Phenanthrene	11.387	178	2474384	4747.71	ng/ml	97
72) Anthracene	11.440	178	2459789	4950.81	ng/ml	98
73) Carbazole	11.585	167	635056	1599.77	ng/ml	97
74) Di-n-butyl phthalate	11.932	149	2948757	5586.23	ng/ml	97
75) Fluoranthene	12.708	202	2721044	5117.98	ng/ml	96
76) Benzidine	12.863	184	1817296	12648.01	ng/ml	97
77) Pyrene	13.024	202	2795059	5047.28	ng/ml	98
80) Butyl benzyl phthalate	14.104	149	1459304	6445.28	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.291	129	1337993	7958.42	ng/ml	98
82) 3,3-Dichlorobenzidine	15.291	252	449986	8761.45	ng/ml	98
83) Benz(a)anthracene	15.334	228	2429437	5768.36	ng/ml	99
84) Chrysene	15.425	228	2283060	5806.38	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.489	149	1858357	7658.21	ng/ml	96
87) Di-n-octyl phthalate	17.179	149	3335684	6320.68	ng/ml	96
88) Benzo(b)fluoranthene	17.966	252	2407677	6106.85	ng/ml	96
89) Benzo(k)fluoranthene	18.041	252	2075571	5658.31	ng/ml	94
90) Benzo(b+k)fluoranthene	18.041	252	4625573	11829.08	ng/ml	94
91) Benzo(e)pyrene	18.629	252	2231010	5831.57	ng/ml	96
92) Benzo(a)pyrene	18.757	252	2127270	5792.19	ng/ml	96
93) Perylene	18.955	252	1835881	5668.22	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.314	276	2141661	6191.70	ng/ml	92
96) Dibenz(a,h)anthracene	21.362	278	1903439	5891.24	ng/ml	91
97) Benzo(g,h,i)perylene	21.854	276	2052548	6179.72	ng/ml	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242123.D
Acq On : 25 Mar 2021 2:03 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CAL9
Misc : 1x, A21C134 BNA@6000
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 25 12:13:07 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.782	152	209697	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.055	136	932797	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.841	162	482060	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.360	188	895498	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.361	240	655647	2000.00	ng/ml	0.02
86) Perylene-d12 (ISTD)	18.886	264	623585	2000.00	ng/ml	0.02
94) Dibenz(a,h)Anthrcene-d...	21.303	292	569226	2000.00	ng/ml	0.04
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	1342763	9721.62	ng/ml	0.01
5) Phenol-d6(Surr)	6.423	99	1636613	8179.94	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.333	82	1293142	8492.53	ng/ml	0.01
40) 2-Fluorobiphenyl (Surr)	9.146	172	2220340	6387.77	ng/ml	0.01
67) 2,4,6-Tribromophenol (...	10.654	330	360557	6722.21	ng/ml	0.02
79) Terphenyl-d14 (Surr)	13.238	244	2647760	7661.50	ng/ml	0.02
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.097	74	905965m	10408.32	ng/ml	
3) Pyridine	4.107	79	1403968m	8539.20	ng/ml	
6) Phenol	6.439	94	1687497	8266.86	ng/ml	84
7) Aniline	6.461	93	1558754	9775.10	ng/ml	88
8) Bis(2-chloroethyl) ether	6.520	93	1431722	9211.90	ng/ml	88
9) 2-Chlorophenol	6.578	128	1288285	9109.07	ng/ml	92
10) 1,3-Dichlorobenzene	6.728	146	1221123	6907.87	ng/ml	94
11) 1,4-Dichlorobenzene	6.798	146	1185748	6862.47	ng/ml	96
12) Benzyl alcohol	6.926	108	918410	8118.87	ng/ml	87
13) 1,2-Dichlorobenzene	6.953	146	1134906	6810.51	ng/ml	93
14) 2-Methylphenol	7.022	107	952615	8011.61	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	7.049	45	1310670	7753.60	ng/ml	86
16) N-Nitrosodi-n-propylamine	7.194	70	871154	9323.54	ng/ml	90
17) 3+4-Methylphenol	7.183	107	1191931	7835.34	ng/ml	95
18) Hexachloroethane	7.290	201	390714	6872.67	ng/ml	88
20) Nitrobenzene	7.354	77	1203992	10310.05	ng/ml	93
22) Isophorone	7.557	82	300	N.D.		
23) 2-Nitrophenol	7.670	139	729486	7517.19	ng/ml	82
24) 2,4-Dimethylphenol	7.712	122	1031101	7267.87	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.798	93	1372140	9247.10	ng/ml	98
26) Benzoic acid	7.712	105	37224	1280.98	ng/ml#	1
27) 2,4-Dichlorophenol	7.916	162	932036	7005.01	ng/ml	94
28) 1,2,4-Trichlorobenzene	7.996	180	973495	6573.23	ng/ml	93
29) Naphthalene	8.081	128	3010442	6230.12	ng/ml	97
30) 4-Chloroaniline	8.135	127	1121713	8409.23	ng/ml	92
31) Hexachlorobutadiene	8.204	225	531234	6184.03	ng/ml	98
32) 4-Chloro-3-methylphenol	8.606	107	1117636	8118.34	ng/ml	93
33) 2-Methylnaphthalene	8.777	142	2202432	6645.81	ng/ml	94
34) 1-Methylnaphthalene	8.878	142	2002772	6113.06	ng/ml	93
36) Hexachlorocyclopentadiene	8.943	237	570106	6686.34	ng/ml	97
37) 2,4,6-Trichlorophenol	9.060	196	698638	6941.03	ng/ml	99
38) 2,4,5-Trichlorophenol	9.098	198	676369	7025.66	ng/ml	96
39) 1,1'-Biphenyl	9.253	154	2417016	6488.61	ng/ml	99
41) 2-Chloronaphthalene	9.274	162	1871078	6825.96	ng/ml	91
42) 2-Nitroaniline	9.376	138	820280	7119.74	ng/ml	78
43) 2,6-Dimethylnaphthalene	9.413	156	1842841	6215.79	ng/ml	94
44) 1,4-Dinitrobenzene	9.504	168	412079	7099.21	ng/ml	89
45) Dimethyl phthalate	9.568	163	2301729	6499.24	ng/ml	97
46) 1,3-Dinitrobenzene	9.595	168	446229	9508.76	ng/ml	86
47) 2,6-Dinitrotoluene	9.622	165	587792	8159.52	ng/ml	76
48) 1,2-Dinitrobenzene	9.691	168	283746	7926.47	ng/ml#	61
49) Acenaphthylene	9.702	152	2802703	5819.22	ng/ml	99
50) 3-Nitroaniline	9.793	138	166355	3355.80	ng/ml	86
51) Acenaphthene	9.879	153	1897285	5977.74	ng/ml	98
52) 2,4-Dinitrophenol	9.900	184	292920	6806.23	ng/ml	81
53) 4-Nitrophenol	9.959	139	506734	7058.80	ng/ml	83
54) 2,4-Dinitrotoluene	10.039	165	781091	8377.67	ng/ml	79
55) Dibenzofuran	10.055	168	2604121	5900.76	ng/ml	88
56) 2,3,5,6-Tetrachlorophenol	10.135	232	559549	6622.13	ng/ml	93
57) 2,3,4,6-Tetrachlorophenol	10.178	232	550775	6657.17	ng/ml	90
58) Diethyl phthalate	10.274	149	1910048	5811.97	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.264	170	1591355	5527.96	ng/ml	93
60) Fluorene	10.408	166	1979525	5547.90	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.392	204	1025574	6021.47	ng/ml	90
62) 4-Nitroaniline	10.424	138	380890	6937.68	ng/ml	91
63) 4,6-Dinitro-2-methylph...	10.456	198	394880	6666.52	ng/ml	86

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

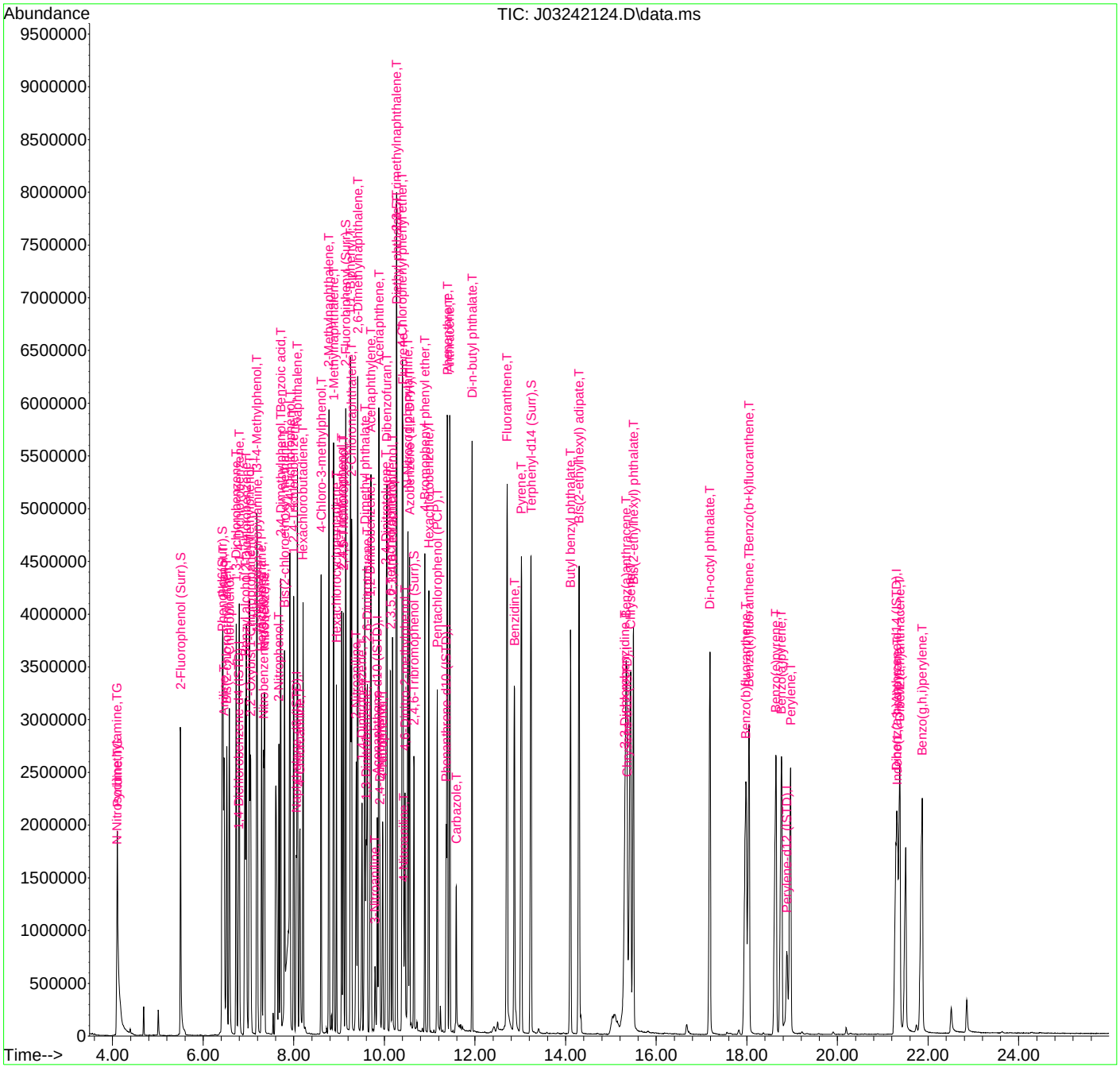
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.520	169	1624535	6015.99	ng/ml	100
66) Azobenzene (1,2-DPH)	10.558	77	2126324	7895.23	ng/ml	95
68) 4-Bromophenyl phenyl e...	10.895	248	684786	6928.78	ng/ml	88
69) Hexachlorobenzene	10.980	284	697258	6051.97	ng/ml	89
70) Pentachlorophenol (PCP)	11.168	266	455650	6685.89	ng/ml	98
71) Phenanthrene	11.392	178	3024461	5853.17	ng/ml	96
72) Anthracene	11.440	178	2992028	6073.93	ng/ml	97
73) Carbazole	11.590	167	833532	2227.85	ng/ml	99
74) Di-n-butyl phthalate	11.938	149	3527838	6740.84	ng/ml	97
75) Fluoranthene	12.708	202	3316515	6291.74	ng/ml	94
76) Benzidine	12.874	184	2271653	14835.69	ng/ml	98
77) Pyrene	13.024	202	3372309	6142.14	ng/ml	98
80) Butyl benzyl phthalate	14.109	149	1813572	8194.99	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.297	129	1662403	10692.01	ng/ml	98
82) 3,3-Dichlorobenzidine	15.307	252	477490	11673.87	ng/ml	97
83) Benz(a)anthracene	15.334	228	2987616	7670.47	ng/ml	99
84) Chrysene	15.436	228	2729522	7506.29	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.500	149	2260314	10072.03	ng/ml	96
87) Di-n-octyl phthalate	17.185	149	3985266	7535.33	ng/ml	95
88) Benzo(b)fluoranthene	17.976	252	3060322	8127.88	ng/ml	96
89) Benzo(k)fluoranthene	18.046	252	2536522	7240.67	ng/ml	94
90) Benzo(b+k)fluoranthene	18.046	252	5684235	15221.18	ng/ml	94
91) Benzo(e)pyrene	18.640	252	2731386	7475.81	ng/ml	97
92) Benzo(a)pyrene	18.763	252	2595989	7404.02	ng/ml	97
93) Perylene	18.966	252	2261353	7310.74	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.319	276	2665364	8089.34	ng/ml	88
96) Dibenz(a,h)anthracene	21.373	278	2328952	7567.04	ng/ml	91
97) Benzo(g,h,i)perylene	21.870	276	2532735	8005.02	ng/ml	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

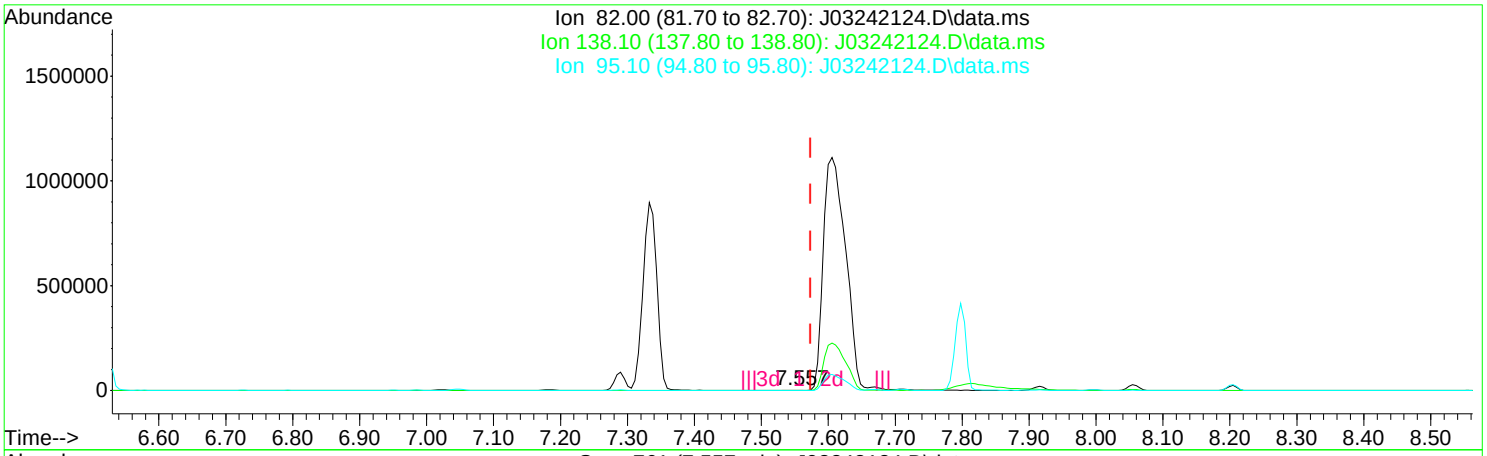
Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

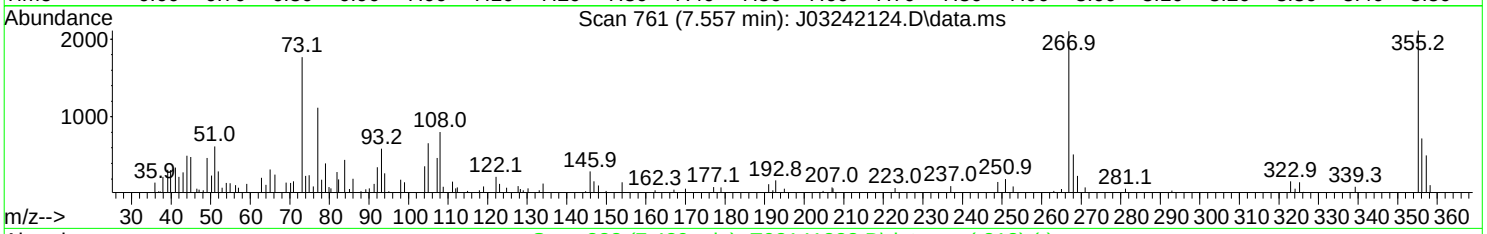


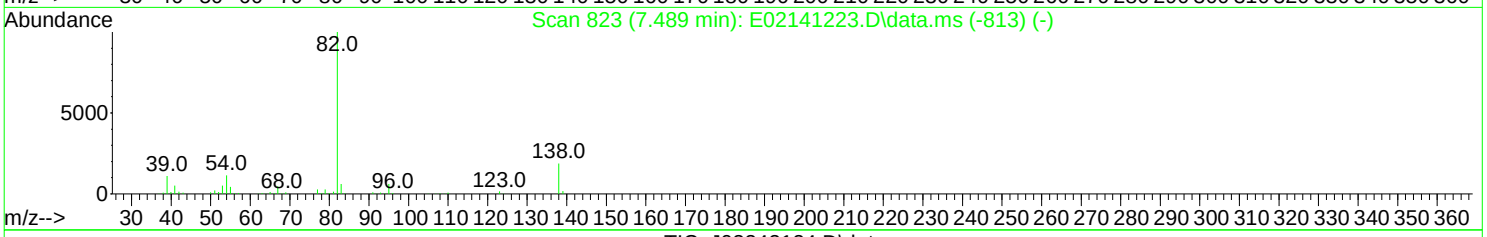
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242124.D\data.ms

(22) Isophorone (T)

7.557min (-0.016) 1.04 ng/ml

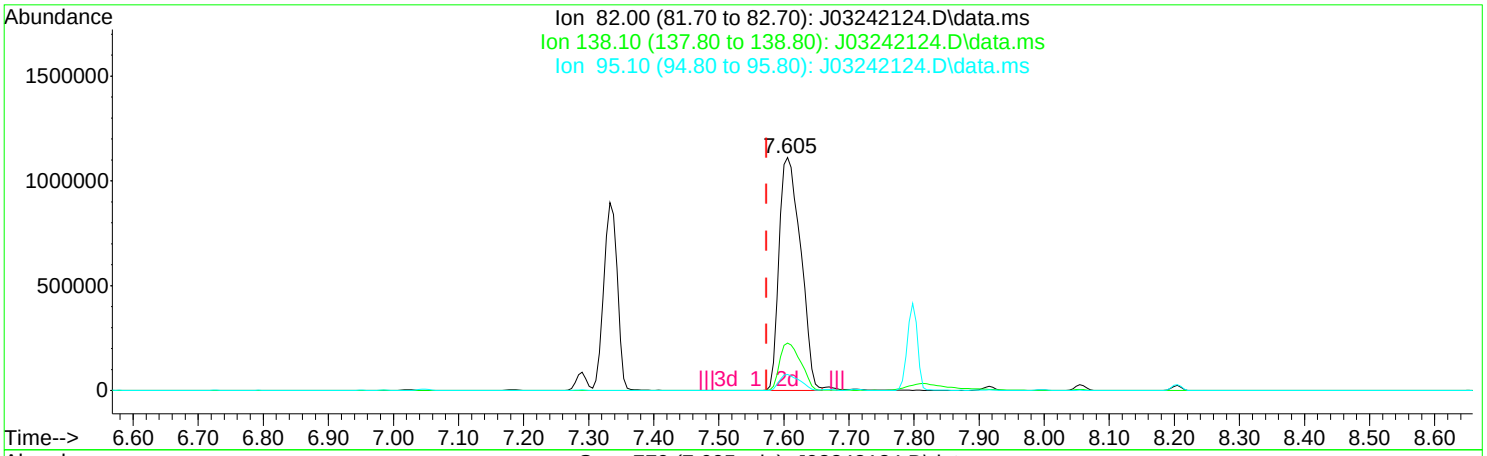
response 300

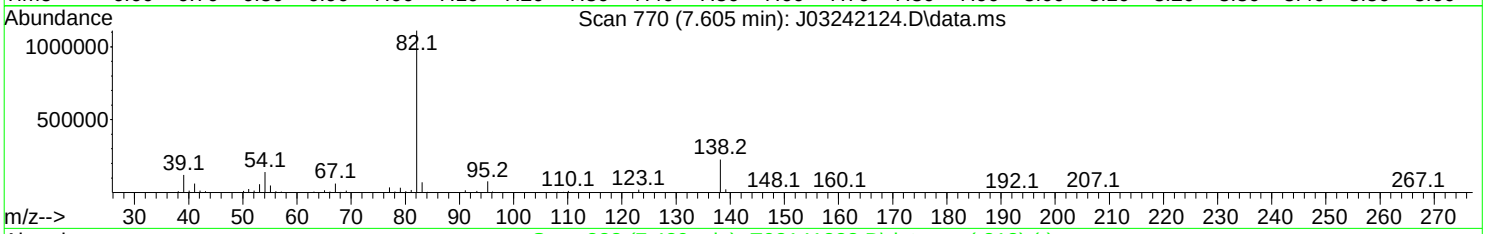
Ion	Exp%	Act%
82.00	100.00	100.00
138.10	24.20	0.00
95.10	6.60	8.90
0.00	0.00	0.00

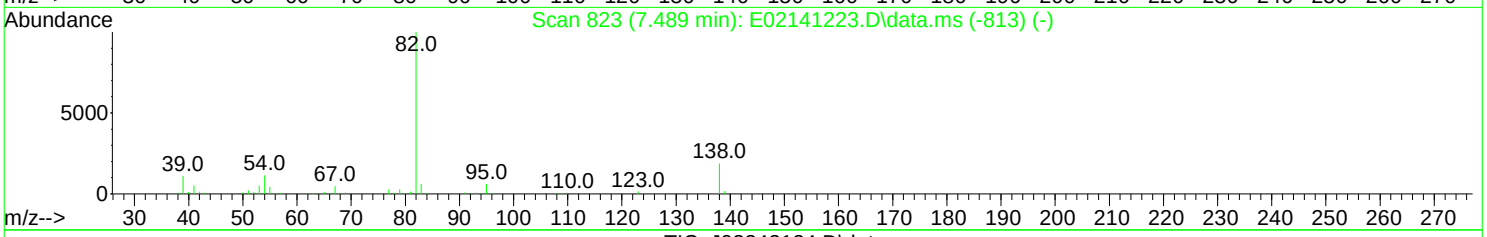
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242124.D\data.ms

(22) Isophorone (T)

7.605min (+ 0.032) 8889.43 ng/ml m

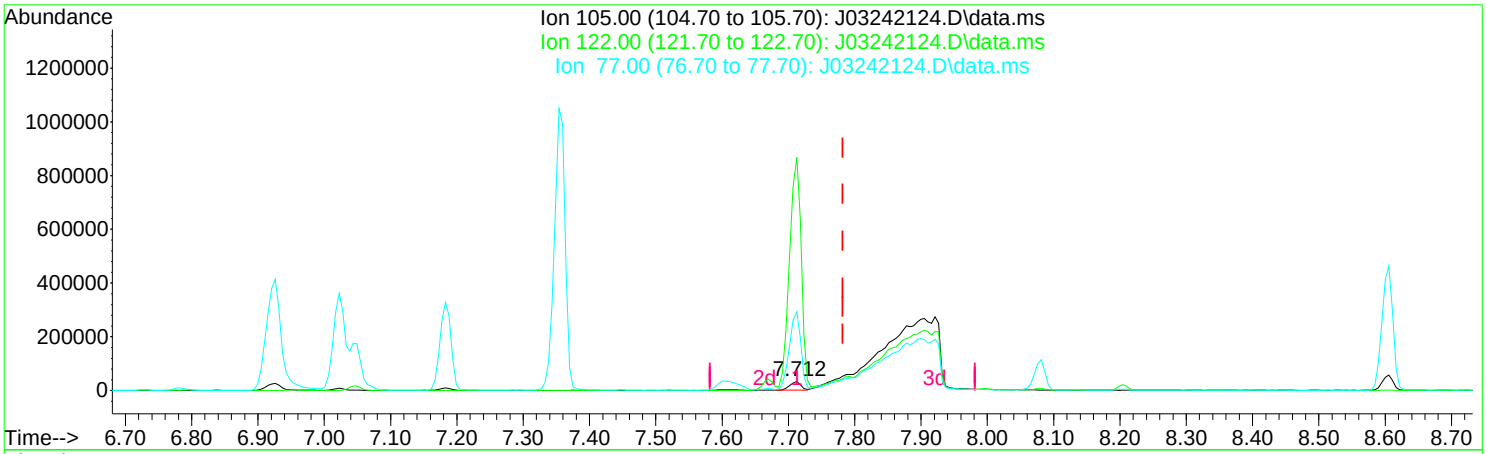
response 2562484

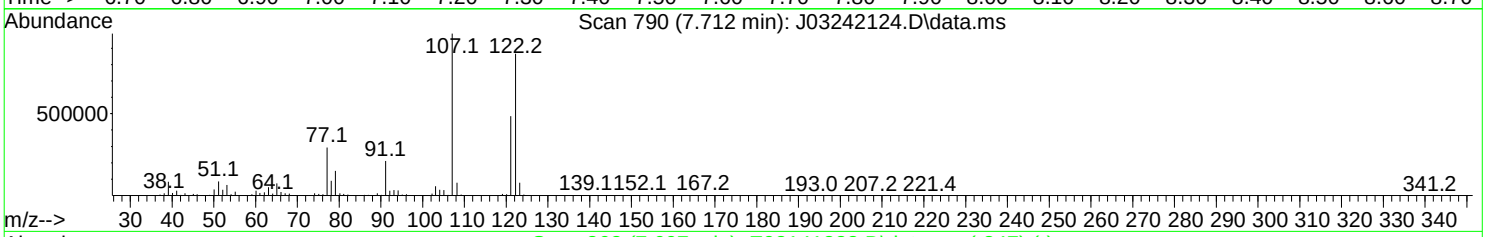
Ion	Exp%	Act%
82.00	100.00	100.00
138.10	24.20	20.38
95.10	6.60	6.91
0.00	0.00	0.00

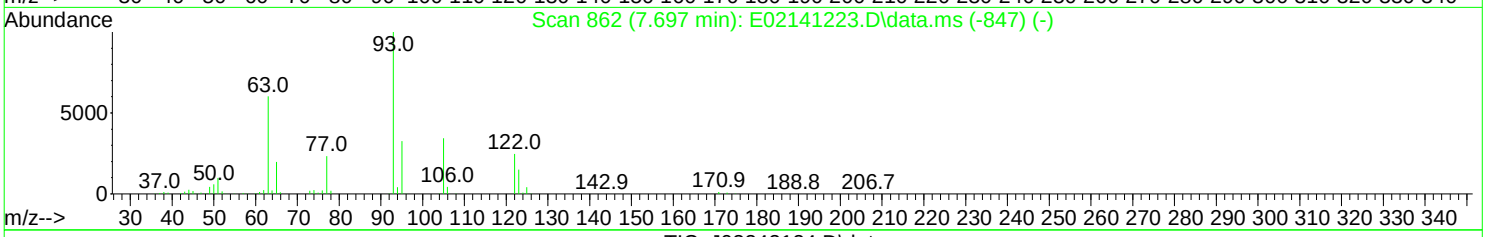
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242124.D\data.ms

(26) Benzoic acid (T)

7.712min (-0.070) 1280.98 ng/ml

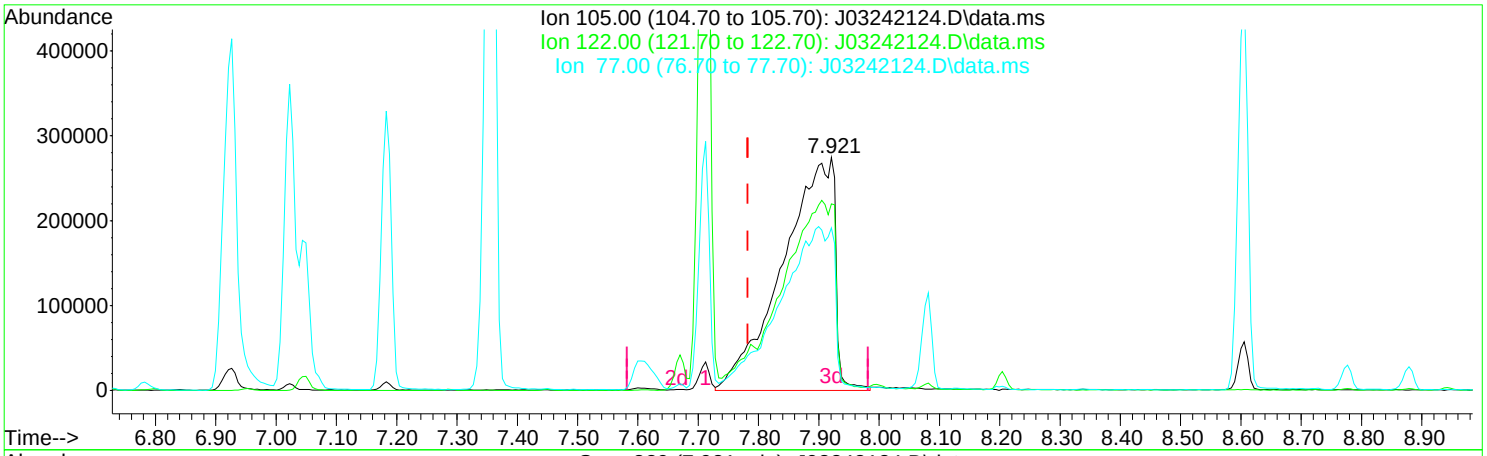
response 37224

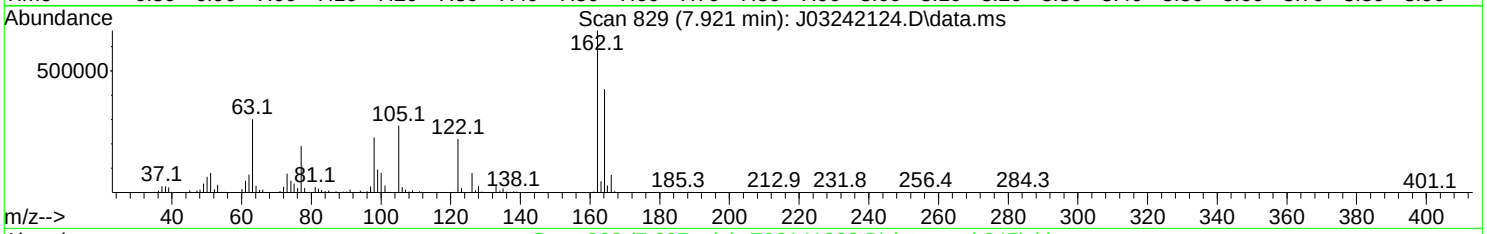
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	2564.32#
77.00	61.50	868.15#
0.00	0.00	0.00

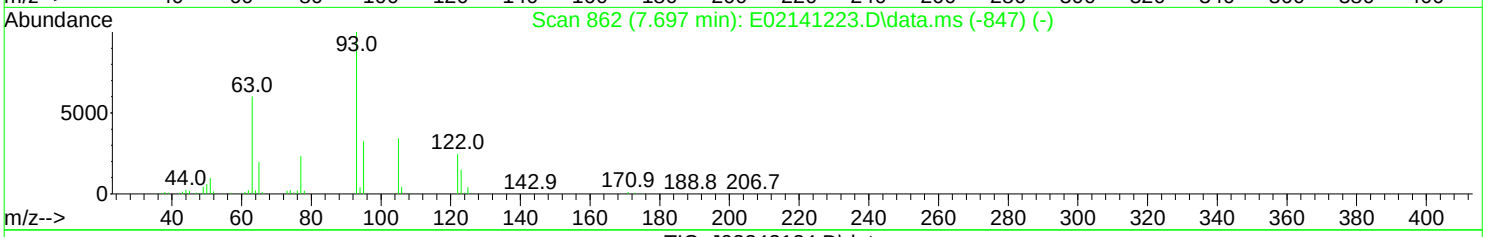
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242124.D\data.ms

(26) Benzoic acid (T)

7.921min (+ 0.139) 14659.48 ng/mL m

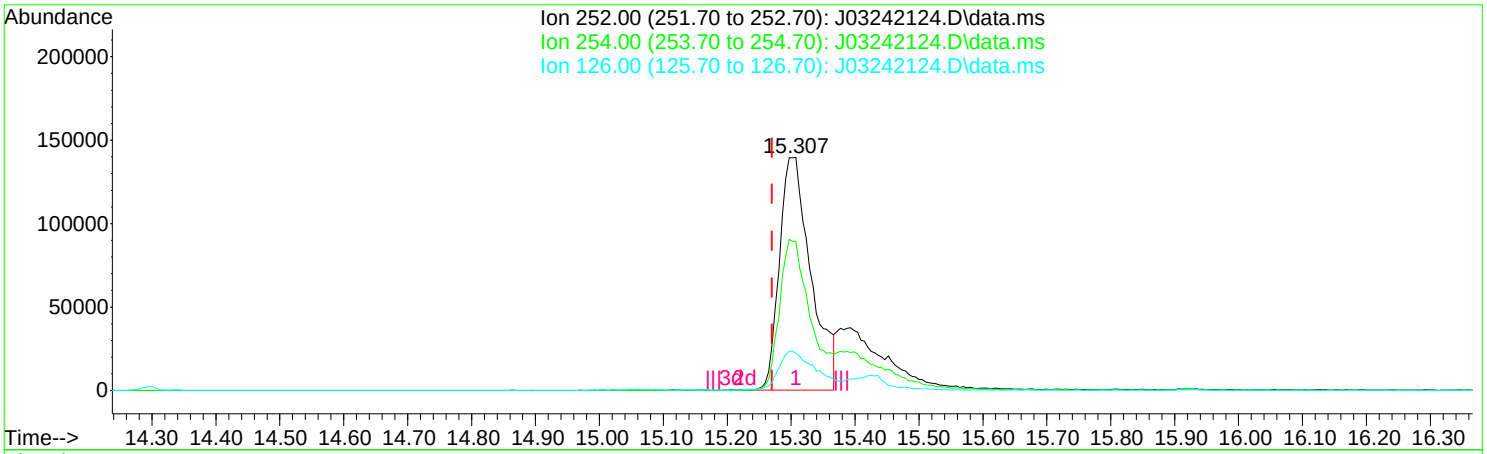
response 1656740

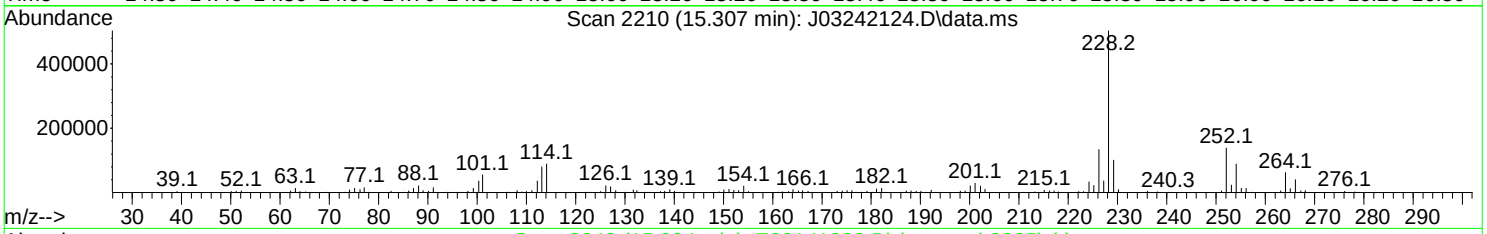
Ion	Exp%	Act%
105.00	100.00	100.00
122.00	88.90	80.08
77.00	61.50	69.77
0.00	0.00	0.00

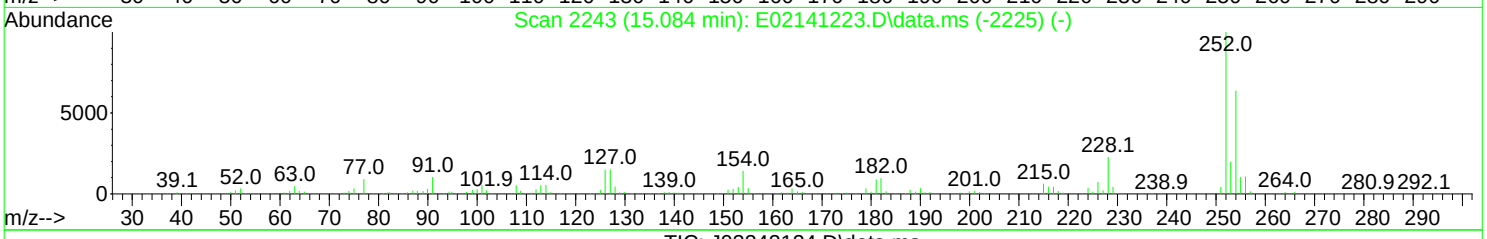
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242124.D\data.ms

(82) 3,3-Dichlorobenzidine (T)

15.307min (+ 0.037) 11673.87 ng/ml

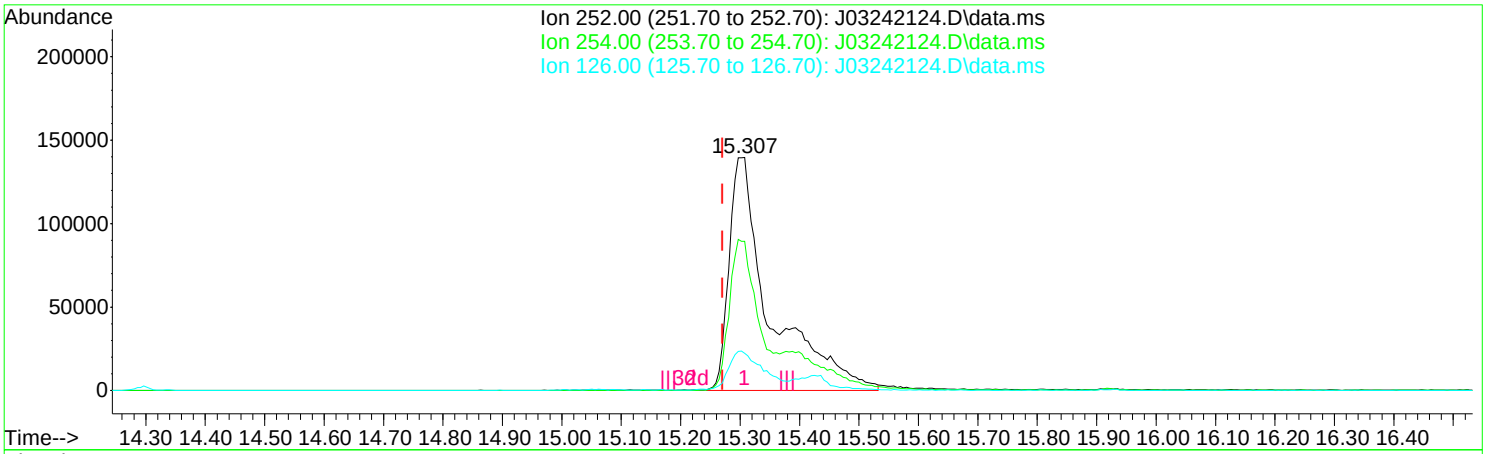
response 477490

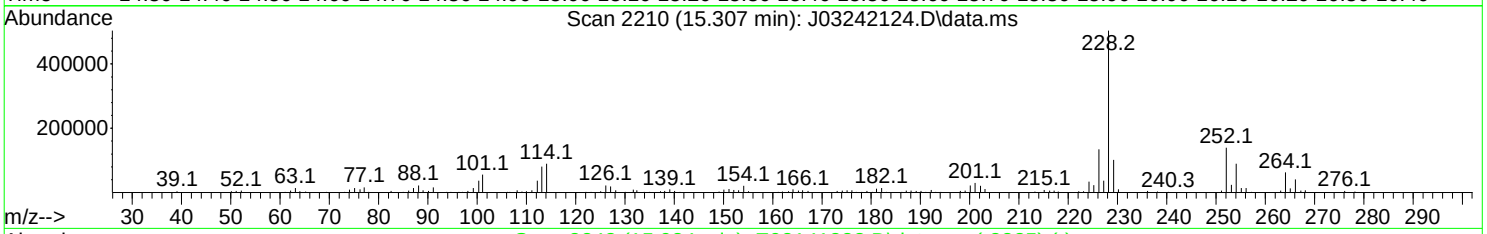
Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	64.12
126.00	13.30	16.03
0.00	0.00	0.00

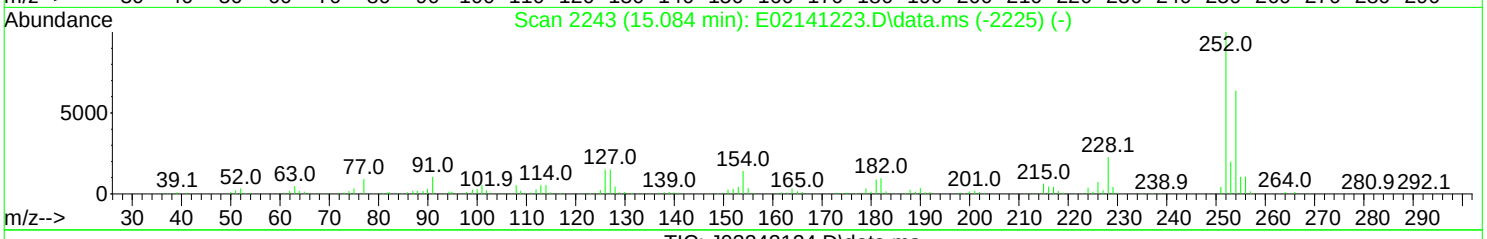
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:06:52 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration







TIC: J03242124.D\data.ms

(82) 3,3-Dichlorobenzidine (T)

15.307min (+ 0.037) -2000.00 ng/ml m

response 671279

Ion	Exp%	Act%
252.00	100.00	100.00
254.00	62.60	64.12
126.00	13.30	16.03
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 13:08:00 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.782	152	209697	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.055	136	932797	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.841	162	482060	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.360	188	895498	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.361	240	655647	2000.00	ng/ml	0.02
86) Perylene-d12 (ISTD)	18.886	264	623585	2000.00	ng/ml	0.02
94) Dibenz(a,h)Anthrcene-d...	21.303	292	569226	2000.00	ng/ml	0.04
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	1342763	9721.62	ng/ml	0.01
5) Phenol-d6(Surr)	6.423	99	1636613	8179.94	ng/ml	0.02
19) Nitrobenzene-d5 (Surr)	7.333	82	1293142	8492.53	ng/ml	0.01
40) 2-Fluorobiphenyl (Surr)	9.146	172	2220340	6387.77	ng/ml	0.01
67) 2,4,6-Tribromophenol (...	10.654	330	360557	6722.21	ng/ml	0.02
79) Terphenyl-d14 (Surr)	13.238	244	2647760	7661.50	ng/ml	0.02
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.097	74	905965m	10408.32	ng/ml	
3) Pyridine	4.107	79	1403968m	8539.20	ng/ml	
6) Phenol	6.439	94	1687497	8266.86	ng/ml	84
7) Aniline	6.461	93	1558754	9775.10	ng/ml	88
8) Bis(2-chloroethyl) ether	6.520	93	1431722	9211.90	ng/ml	88
9) 2-Chlorophenol	6.578	128	1288285	9109.07	ng/ml	92
10) 1,3-Dichlorobenzene	6.728	146	1221123	6907.87	ng/ml	94
11) 1,4-Dichlorobenzene	6.798	146	1185748	6862.47	ng/ml	96
12) Benzyl alcohol	6.926	108	918410	8118.87	ng/ml	87
13) 1,2-Dichlorobenzene	6.953	146	1134906	6810.51	ng/ml	93
14) 2-Methylphenol	7.022	107	952615	8011.61	ng/ml	97
15) 2,2'-Oxybis(1-Chloropr...	7.049	45	1310670	7753.60	ng/ml	86
16) N-Nitrosodi-n-propylamine	7.194	70	871154	9323.54	ng/ml	90
17) 3+4-Methylphenol	7.183	107	1191931	7835.34	ng/ml	95
18) Hexachloroethane	7.290	201	390714	6872.67	ng/ml	88
20) Nitrobenzene	7.354	77	1203992	10310.05	ng/ml	93
22) Isophorone	7.605	82	2562484m	8889.43	ng/ml	
23) 2-Nitrophenol	7.670	139	729486	7517.19	ng/ml	82
24) 2,4-Dimethylphenol	7.712	122	1031101	7267.87	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:08:00 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.798	93	1372140	9247.10	ng/ml	98
26) Benzoic acid	7.921	105	1656740m	14659.48	ng/ml	
27) 2,4-Dichlorophenol	7.916	162	932036	7005.01	ng/ml	94
28) 1,2,4-Trichlorobenzene	7.996	180	973495	6573.23	ng/ml	93
29) Naphthalene	8.081	128	3010442	6230.12	ng/ml	97
30) 4-Chloroaniline	8.135	127	1121713	8409.23	ng/ml	92
31) Hexachlorobutadiene	8.204	225	531234	6184.03	ng/ml	98
32) 4-Chloro-3-methylphenol	8.606	107	1117636	8118.34	ng/ml	93
33) 2-Methylnaphthalene	8.777	142	2202432	6645.81	ng/ml	94
34) 1-Methylnaphthalene	8.878	142	2002772	6113.06	ng/ml	93
36) Hexachlorocyclopentadiene	8.943	237	570106	6686.34	ng/ml	97
37) 2,4,6-Trichlorophenol	9.060	196	698638	6941.03	ng/ml	99
38) 2,4,5-Trichlorophenol	9.098	198	676369	7025.66	ng/ml	96
39) 1,1'-Biphenyl	9.253	154	2417016	6488.61	ng/ml	99
41) 2-Chloronaphthalene	9.274	162	1871078	6825.96	ng/ml	91
42) 2-Nitroaniline	9.376	138	820280	7119.74	ng/ml	78
43) 2,6-Dimethylnaphthalene	9.413	156	1842841	6215.79	ng/ml	94
44) 1,4-Dinitrobenzene	9.504	168	412079	7099.21	ng/ml	89
45) Dimethyl phthalate	9.568	163	2301729	6499.24	ng/ml	97
46) 1,3-Dinitrobenzene	9.595	168	446229	9508.76	ng/ml	86
47) 2,6-Dinitrotoluene	9.622	165	587792	8159.52	ng/ml	76
48) 1,2-Dinitrobenzene	9.691	168	283746	7926.47	ng/ml#	61
49) Acenaphthylene	9.702	152	2802703	5819.22	ng/ml	99
50) 3-Nitroaniline	9.793	138	166355	3355.80	ng/ml	86
51) Acenaphthene	9.879	153	1897285	5977.74	ng/ml	98
52) 2,4-Dinitrophenol	9.900	184	292920	6806.23	ng/ml	81
53) 4-Nitrophenol	9.959	139	506734	7058.80	ng/ml	83
54) 2,4-Dinitrotoluene	10.039	165	781091	8377.67	ng/ml	79
55) Dibenzofuran	10.055	168	2604121	5900.76	ng/ml	88
56) 2,3,5,6-Tetrachlorophenol	10.135	232	559549	6622.13	ng/ml	93
57) 2,3,4,6-Tetrachlorophenol	10.178	232	550775	6657.17	ng/ml	90
58) Diethyl phthalate	10.274	149	1910048	5811.97	ng/ml	98
59) 2,3,5-Trimethylnaphtha...	10.264	170	1591355	5527.96	ng/ml	93
60) Fluorene	10.408	166	1979525	5547.90	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.392	204	1025574	6021.47	ng/ml	90
62) 4-Nitroaniline	10.424	138	380890	6937.68	ng/ml	91
63) 4,6-Dinitro-2-methylph...	10.456	198	394880	6666.52	ng/ml	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

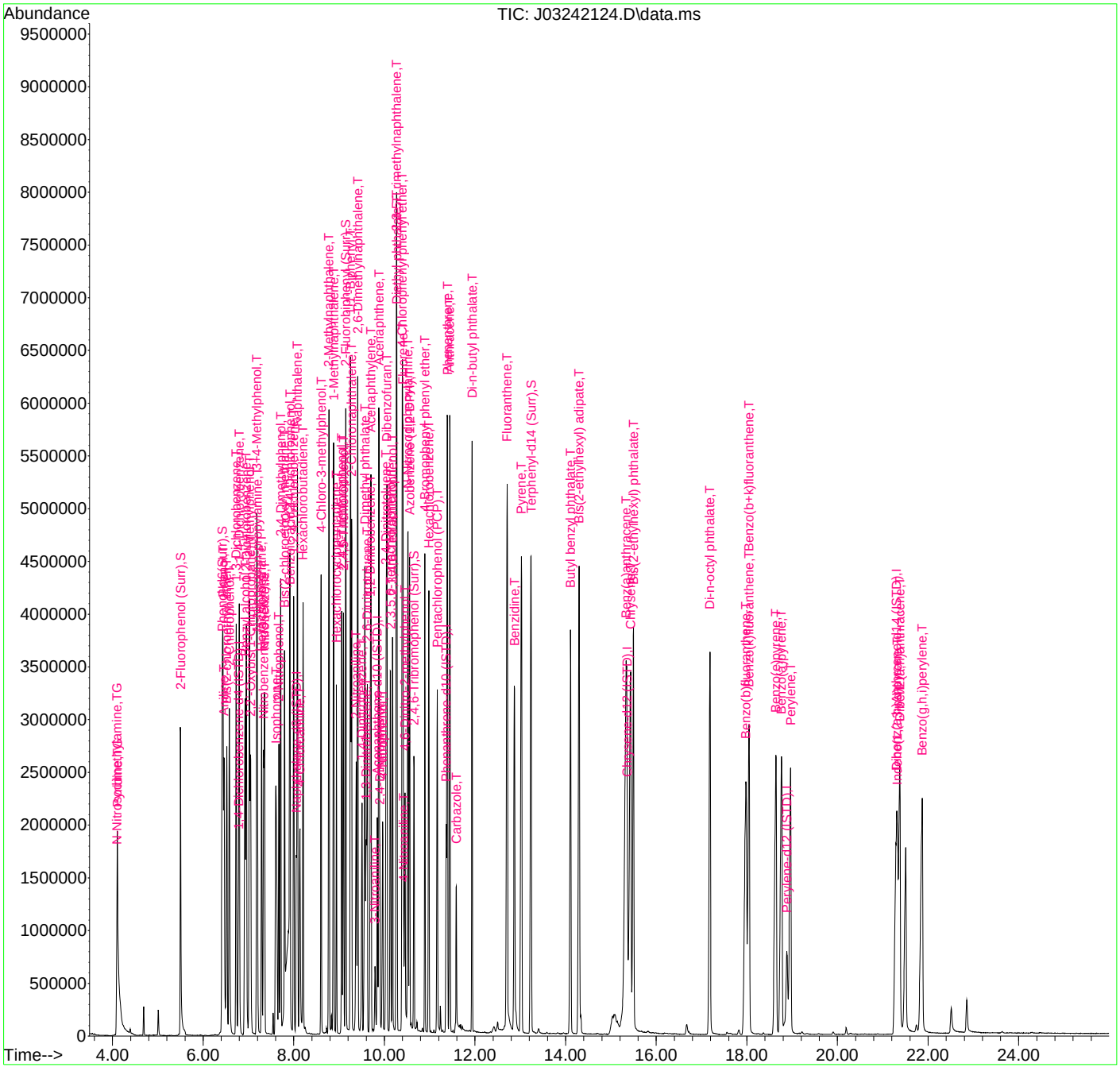
Quant Time: Mar 25 13:08:00 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.520	169	1624535	6015.99	ng/ml	100
66) Azobenzene (1,2-DPH)	10.558	77	2126324	7895.23	ng/ml	95
68) 4-Bromophenyl phenyl e...	10.895	248	684786	6928.78	ng/ml	88
69) Hexachlorobenzene	10.980	284	697258	6051.97	ng/ml	89
70) Pentachlorophenol (PCP)	11.168	266	455650	6685.89	ng/ml	98
71) Phenanthrene	11.392	178	3024461	5853.17	ng/ml	96
72) Anthracene	11.440	178	2992028	6073.93	ng/ml	97
73) Carbazole	11.590	167	833532	2227.85	ng/ml	99
74) Di-n-butyl phthalate	11.938	149	3527838	6740.84	ng/ml	97
75) Fluoranthene	12.708	202	3316515	6291.74	ng/ml	94
76) Benzidine	12.874	184	2271653	14835.69	ng/ml	98
77) Pyrene	13.024	202	3372309	6142.14	ng/ml	98
80) Butyl benzyl phthalate	14.109	149	1813572	8194.99	ng/ml	87
81) Bis(2-ethylhexyl) adipate	14.297	129	1662403	10692.01	ng/ml	98
82) 3,3-Dichlorobenzidine	15.307	252	671279m	Below Cal		
83) Benz(a)anthracene	15.334	228	2987616	7670.47	ng/ml	99
84) Chrysene	15.436	228	2729522	7506.29	ng/ml	99
85) Bis(2-ethylhexyl) phth...	15.500	149	2260314	10072.03	ng/ml	96
87) Di-n-octyl phthalate	17.185	149	3985266	7535.33	ng/ml	95
88) Benzo(b)fluoranthene	17.976	252	3060322	8127.88	ng/ml	96
89) Benzo(k)fluoranthene	18.046	252	2536522	7240.67	ng/ml	94
90) Benzo(b+k)fluoranthene	18.046	252	5684235	15221.18	ng/ml	94
91) Benzo(e)pyrene	18.640	252	2731386	7475.81	ng/ml	97
92) Benzo(a)pyrene	18.763	252	2595989	7404.02	ng/ml	97
93) Perylene	18.966	252	2261353	7310.74	ng/ml	98
95) Indeno(1,2,3-cd)pyrene	21.319	276	2665364	8089.34	ng/ml	88
96) Dibenz(a,h)anthracene	21.373	278	2328952	7567.04	ng/ml	91
97) Benzo(g,h,i)perylene	21.870	276	2532735	8005.02	ng/ml	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242124.D
Acq On : 25 Mar 2021 2:38 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-CALA
Misc : 1x, A21C135 BNA@8000
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 25 13:08:00 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	238632	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	1057728	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	543256	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	980391	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.339	240	924578	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.864	264	850257	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.266	292	767282	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	196333	1249.10	ng/ml	0.01
5) Phenol-d6(Surr)	6.407	99	225648	1348.94	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	189897	1446.15	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	440988	1125.78	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	53169	1072.45	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	519546	1066.07	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.123	74	123818	1250.02	ng/ml	81
3) Pyridine	4.145	79	189232	1401.50	ng/ml	85
6) Phenol	6.418	94	251552	1370.80	ng/ml	90
7) Aniline	6.455	93	218405	1203.57	ng/ml	88
8) Bis(2-chloroethyl) ether	6.509	93	218497	1235.38	ng/ml	90
9) 2-Chlorophenol	6.573	128	195968	1217.62	ng/ml	90
10) 1,3-Dichlorobenzene	6.723	146	204277	1015.47	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	198240	1008.19	ng/ml	96
12) Benzyl alcohol	6.905	108	121144	1222.24	ng/ml	90
13) 1,2-Dichlorobenzene	6.947	146	195498	1030.92	ng/ml	96
14) 2-Methylphenol	7.012	107	149424	1239.22	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	237699	1235.67	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	146586	1378.61	ng/ml	90
17) 3+4-Methylphenol	7.161	107	196181	1298.18	ng/ml	96
18) Hexachloroethane	7.290	201	62758	970.06	ng/ml	94
20) Nitrobenzene	7.343	77	189473	1425.77	ng/ml	90
22) Isophorone	7.579	82	415015	1269.67	ng/ml	92
23) 2-Nitrophenol	7.659	139	103884	1240.39	ng/ml	81
24) 2,4-Dimethylphenol	7.691	122	176030	1079.65	ng/ml	93

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.787	93	229976	1366.79	ng/ml	98
26) Benzoic acid	7.787	105	173938	3483.47	ng/ml	92
27) 2,4-Dichlorophenol	7.899	162	151910	1109.19	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	169870	1011.52	ng/ml	96
29) Naphthalene	8.071	128	577818	1054.56	ng/ml	100
30) 4-Chloroaniline	8.113	127	188699	1450.51	ng/ml	93
31) Hexachlorobutadiene	8.199	225	91185	936.10	ng/ml	98
32) 4-Chloro-3-methylphenol	8.595	107	173170	1193.42	ng/ml	93
33) 2-Methylnaphthalene	8.771	142	416135	1107.37	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	392329	1056.07	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	91357	1005.11	ng/ml	98
37) 2,4,6-Trichlorophenol	9.049	196	109630	1020.31	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	110886	1067.13	ng/ml	99
39) 1,1'-Biphenyl	9.242	154	487149	1160.46	ng/ml	99
41) 2-Chloronaphthalene	9.263	162	362732	1174.23	ng/ml	93
42) 2-Nitroaniline	9.360	138	125859	1308.88	ng/ml	76
43) 2,6-Dimethylnaphthalene	9.402	156	353919	1059.27	ng/ml	96
44) 1,4-Dinitrobenzene	9.483	168	55469	1225.52	ng/ml	77
45) Dimethyl phthalate	9.541	163	426881	1069.58	ng/ml	99
46) 1,3-Dinitrobenzene	9.568	168	65274	1234.25	ng/ml	88
47) 2,6-Dinitrotoluene	9.600	165	98471	1212.96	ng/ml	78
48) 1,2-Dinitrobenzene	9.659	168	46417	1150.60	ng/ml#	63
49) Acenaphthylene	9.691	152	625412	1152.26	ng/ml	99
50) 3-Nitroaniline	9.777	138	79129	1293.43	ng/ml	90
51) Acenaphthene	9.868	153	380398	1063.50	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	29679	958.22	ng/ml	88
53) 4-Nitrophenol	9.932	139	67010	1343.90	ng/ml	88
54) 2,4-Dinitrotoluene	10.012	165	125052	1190.17	ng/ml	81
55) Dibenzofuran	10.044	168	516696	1038.91	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.119	232	87141	1248.26	ng/ml	89
57) 2,3,4,6-Tetrachlorophenol	10.167	232	89810	1190.46	ng/ml	93
58) Diethyl phthalate	10.258	149	414169	1118.29	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	324624	1000.63	ng/ml	98
60) Fluorene	10.392	166	409438	1018.24	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	195672	1019.44	ng/ml	87
62) 4-Nitroaniline	10.397	138	59603	963.34	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.429	198	49558	1121.70	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

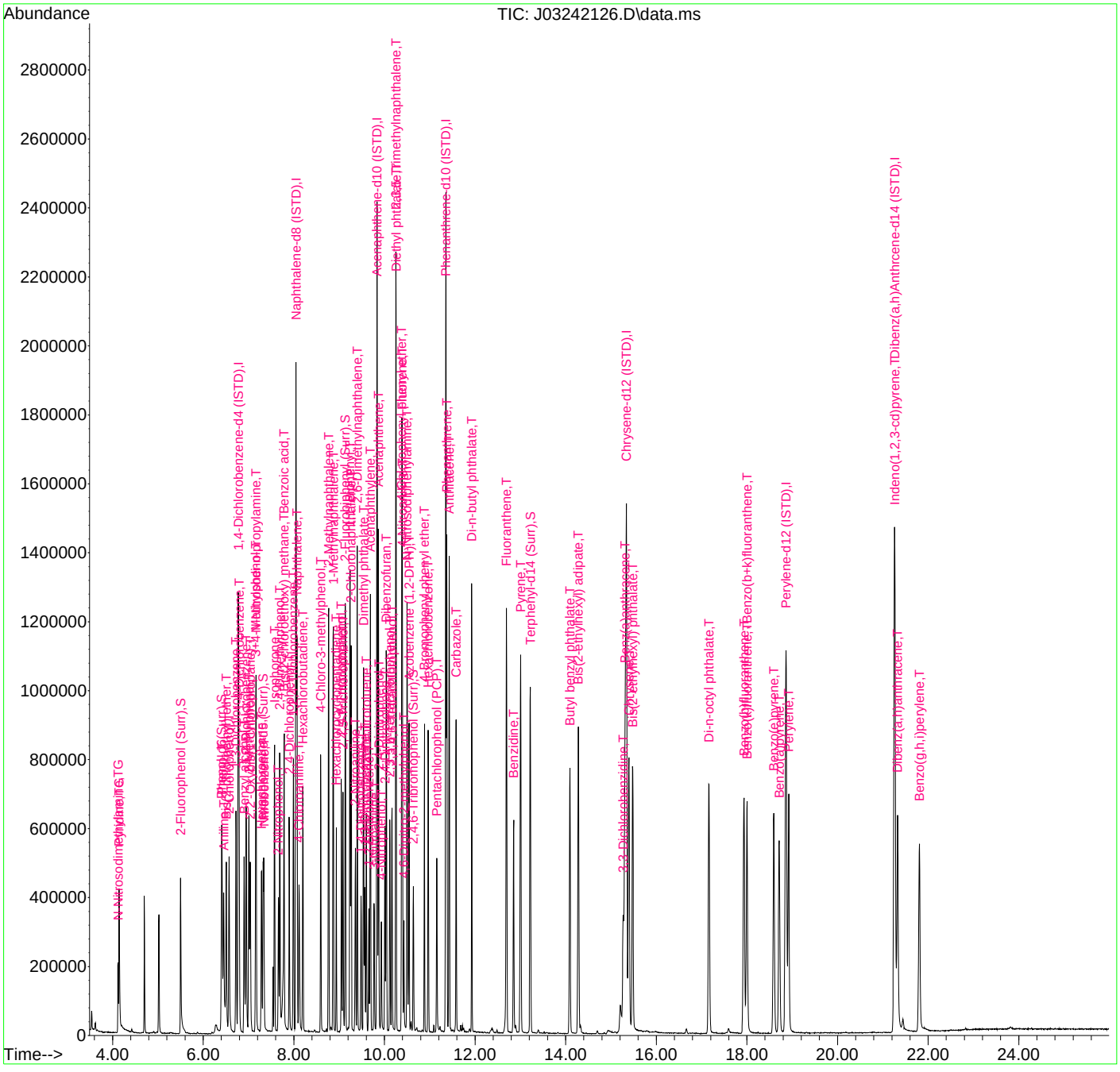
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	340924	1153.19	ng/ml	98
66) Azobenzene (1,2-DPH)	10.547	77	409782	1389.80	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.884	248	117700	1087.79	ng/ml	92
69) Hexachlorobenzene	10.964	284	124271	985.23	ng/ml	90
70) Pentachlorophenol (PCP)	11.157	266	62797	1364.86	ng/ml	98
71) Phenanthrene	11.376	178	583192	1030.91	ng/ml	99
72) Anthracene	11.430	178	592784	1099.17	ng/ml	99
73) Carbazole	11.585	167	412047	908.39	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	708586	1236.70	ng/ml	99
75) Fluoranthene	12.692	202	632553	1096.10	ng/ml	97
76) Benzidine	12.852	184	342568	3250.91	ng/ml	99
77) Pyrene	13.007	202	647100	1076.54	ng/ml	100
80) Butyl benzyl phthalate	14.093	149	300823	1232.45	ng/ml	83
81) Bis(2-ethylhexyl) adipate	14.280	129	287390	1310.75	ng/ml	98
82) 3,3-Dichlorobenzidine	15.270	252	147670	1641.43	ng/ml	94
83) Benz(a)anthracene	15.313	228	579075	1054.29	ng/ml	98
84) Chrysene	15.398	228	535023	1043.37	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.478	149	423391	1337.88	ng/ml	98
87) Di-n-octyl phthalate	17.163	149	725985	1333.30	ng/ml	97
88) Benzo(b)fluoranthene	17.939	252	553399	1077.94	ng/ml	95
89) Benzo(k)fluoranthene	18.003	252	523536	1096.06	ng/ml	97
90) Benzo(b+k)fluoranthene	18.003	252	1095069	2150.62	ng/ml	97
91) Benzo(e)pyrene	18.597	252	501352	1006.38	ng/ml	98
92) Benzo(a)pyrene	18.714	252	460226	965.46	ng/ml	97
93) Perylene	18.923	252	479502	1136.92	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.266	276	450150	1013.55	ng/ml	95
96) Dibenz(a,h)anthracene	21.325	278	439779	1060.06	ng/ml	95
97) Benzo(g,h,i)perylene	21.806	276	474593	1112.82	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

JK 3/25/21

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	238632	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	1057728	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	543256	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	980391	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.339	240	924578	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.864	264	850257	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.266	292	767282	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	196333	1249.10	ng/ml	0.01
5) Phenol-d6(Surr)	6.407	99	225648	1348.94	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	189897	1446.15	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	440988	1125.78	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	53169	1072.45	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	519546	1066.07	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.123	74	123818	1250.02	ng/ml	81
3) Pyridine	4.145	79	189232	1401.50	ng/ml	85
6) Phenol	6.418	94	251552	1370.80	ng/ml	90
7) Aniline	6.455	93	218405	1203.57	ng/ml	88
8) Bis(2-chloroethyl) ether	6.509	93	218497	1235.38	ng/ml	90
9) 2-Chlorophenol	6.573	128	195968	1217.62	ng/ml	90
10) 1,3-Dichlorobenzene	6.723	146	204277	1015.47	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	198240	1008.19	ng/ml	96
12) Benzyl alcohol	6.905	108	121144	1222.24	ng/ml	90
13) 1,2-Dichlorobenzene	6.947	146	195498	1030.92	ng/ml	96
14) 2-Methylphenol	7.012	107	149424	1239.22	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	237699	1235.67	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	146586	1378.61	ng/ml	90
17) 3+4-Methylphenol	7.161	107	196181	1298.18	ng/ml	96
18) Hexachloroethane	7.290	201	62758	970.06	ng/ml	94
20) Nitrobenzene	7.343	77	189473	1425.77	ng/ml	90
22) Isophorone	7.579	82	415015	1269.67	ng/ml	92
23) 2-Nitrophenol	7.659	139	103884	1240.39	ng/ml	81
24) 2,4-Dimethylphenol	7.691	122	176030	1079.65	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.787	93	229976	1366.79	ng/ml	98
26) Benzoic acid	7.787	105	173938	3483.47	ng/ml	92
27) 2,4-Dichlorophenol	7.899	162	151910	1109.19	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	169870	1011.52	ng/ml	96
29) Naphthalene	8.071	128	577818	1054.56	ng/ml	100
30) 4-Chloroaniline	8.113	127	188699	1450.51	ng/ml	93
31) Hexachlorobutadiene	8.199	225	91185	936.10	ng/ml	98
32) 4-Chloro-3-methylphenol	8.595	107	173170	1193.42	ng/ml	93
33) 2-Methylnaphthalene	8.771	142	416135	1107.37	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	392329	1056.07	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	91357	1005.11	ng/ml	98
37) 2,4,6-Trichlorophenol	9.049	196	109630	1020.31	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	110886	1067.13	ng/ml	99
39) 1,1'-Biphenyl	9.242	154	487149	1160.46	ng/ml	99
41) 2-Chloronaphthalene	9.263	162	362732	1174.23	ng/ml	93
42) 2-Nitroaniline	9.360	138	125859	1308.88	ng/ml	76
43) 2,6-Dimethylnaphthalene	9.402	156	353919	1059.27	ng/ml	96
44) 1,4-Dinitrobenzene	9.483	168	55469	1225.52	ng/ml	77
45) Dimethyl phthalate	9.541	163	426881	1069.58	ng/ml	99
46) 1,3-Dinitrobenzene	9.568	168	65274	1234.25	ng/ml	88
47) 2,6-Dinitrotoluene	9.600	165	98471	1212.96	ng/ml	78
48) 1,2-Dinitrobenzene	9.659	168	46417	1150.60	ng/ml#	63
49) Acenaphthylene	9.691	152	625412	1152.26	ng/ml	99
50) 3-Nitroaniline	9.777	138	79129	1293.43	ng/ml	90
51) Acenaphthene	9.868	153	380398	1063.50	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	29679	958.22	ng/ml	88
53) 4-Nitrophenol	9.932	139	67010	1343.90	ng/ml	88
54) 2,4-Dinitrotoluene	10.012	165	125052	1190.17	ng/ml	81
55) Dibenzofuran	10.044	168	516696	1038.91	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.119	232	87141	1248.26	ng/ml	89
57) 2,3,4,6-Tetrachlorophenol	10.167	232	89810	1190.46	ng/ml	93
58) Diethyl phthalate	10.258	149	414169	1118.29	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	324624	1000.63	ng/ml	98
60) Fluorene	10.392	166	409438	1018.24	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	195672	1019.44	ng/ml	87
62) 4-Nitroaniline	10.397	138	59603	963.34	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.429	198	49558	1121.70	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration

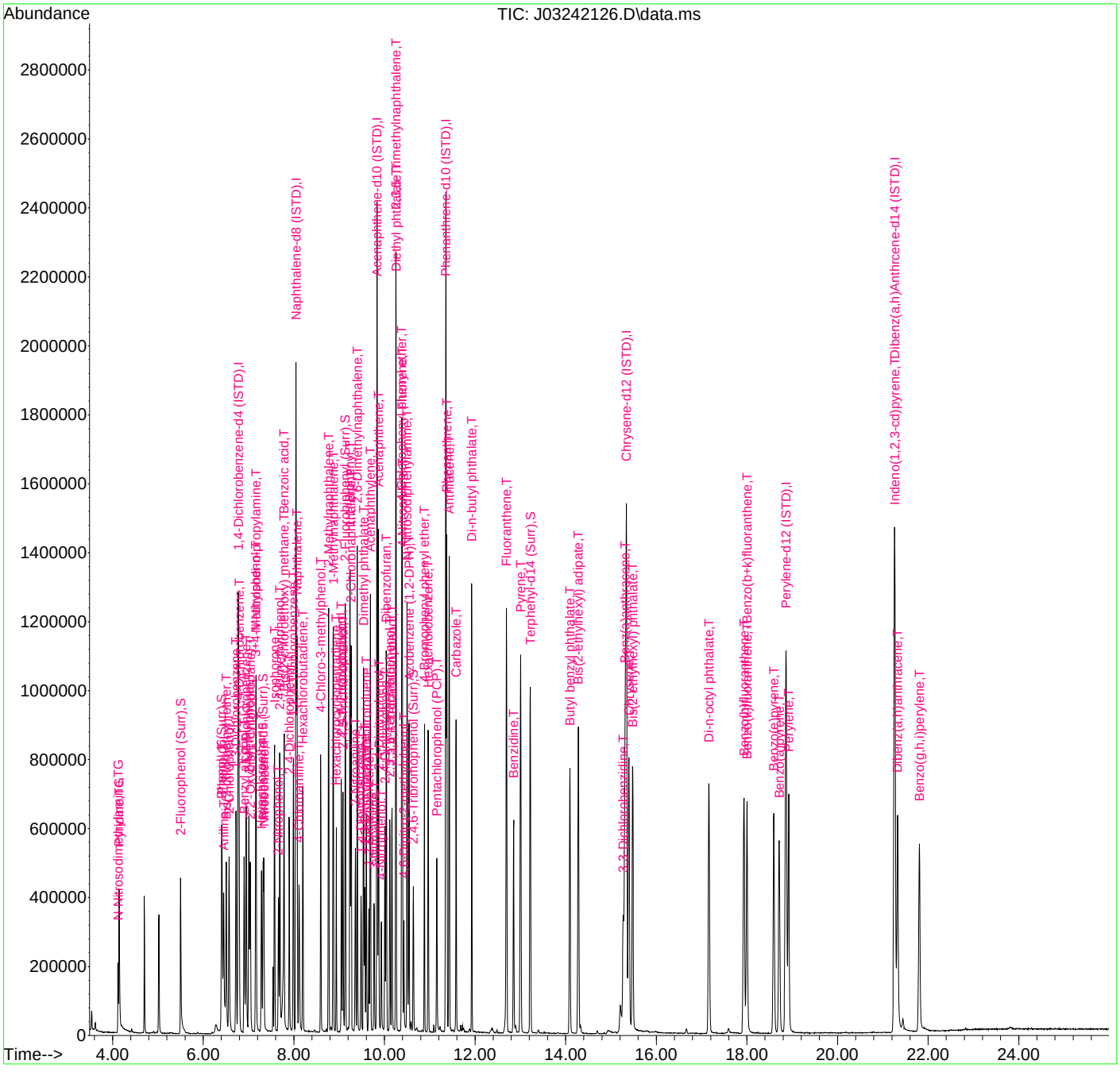
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	340924	1153.19	ng/ml	98
66) Azobenzene (1,2-DPH)	10.547	77	409782	1389.80	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.884	248	117700	1087.79	ng/ml	92
69) Hexachlorobenzene	10.964	284	124271	985.23	ng/ml	90
70) Pentachlorophenol (PCP)	11.157	266	62797	1364.86	ng/ml	98
71) Phenanthrene	11.376	178	583192	1030.91	ng/ml	99
72) Anthracene	11.430	178	592784	1099.17	ng/ml	99
73) Carbazole	11.585	167	412047	908.39	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	708586	1236.70	ng/ml	99
75) Fluoranthene	12.692	202	632553	1096.10	ng/ml	97
76) Benzidine	12.852	184	342568	3250.91	ng/ml	99
77) Pyrene	13.007	202	647100	1076.54	ng/ml	100
80) Butyl benzyl phthalate	14.093	149	300823	1232.45	ng/ml	83
81) Bis(2-ethylhexyl) adipate	14.280	129	287390	1310.75	ng/ml	98
82) 3,3-Dichlorobenzidine	15.270	252	147670	1641.43	ng/ml	94
83) Benz(a)anthracene	15.313	228	579075	1054.29	ng/ml	98
84) Chrysene	15.398	228	535023	1043.37	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.478	149	423391	1337.88	ng/ml	98
87) Di-n-octyl phthalate	17.163	149	725985	1333.30	ng/ml	97
88) Benzo(b)fluoranthene	17.939	252	553399	1077.94	ng/ml	95
89) Benzo(k)fluoranthene	18.003	252	523536	1096.06	ng/ml	97
90) Benzo(b+k)fluoranthene	18.003	252	1095069	2150.62	ng/ml	97
91) Benzo(e)pyrene	18.597	252	501352	1006.38	ng/ml	98
92) Benzo(a)pyrene	18.714	252	460226	965.46	ng/ml	97
93) Perylene	18.923	252	479502	1136.92	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.266	276	450150	1013.55	ng/ml	95
96) Dibenz(a,h)anthracene	21.325	278	439779	1060.06	ng/ml	95
97) Benzo(g,h,i)perylene	21.806	276	474593	1112.82	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 13:08:27 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 11:43:57 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	238632	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	1057728	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	543256	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	980391	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.339	240	924578	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.864	264	850257	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.266	292	767282	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	196333	1095.50	ng/ml	0.01
5) Phenol-d6(Surr)	6.407	99	225648	1043.82	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	189897	1040.41	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	440988	1074.40	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	53169	1092.54	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	519546	1033.45	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.123	74	123818	962.34	ng/ml	81
3) Pyridine	4.145	79	189232	1028.36	ng/ml	85
6) Phenol	6.418	94	251552	1055.99	ng/ml	90
7) Aniline	6.455	93	218405	948.20	ng/ml	88
8) Bis(2-chloroethyl) ether	6.509	93	218497	1038.23	ng/ml	90
9) 2-Chlorophenol	6.573	128	195968	1080.74	ng/ml	90
10) 1,3-Dichlorobenzene	6.723	146	204277	1025.55	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	198240	1002.19	ng/ml	96
12) Benzyl alcohol	6.905	108	121144	1063.46	ng/ml	90
13) 1,2-Dichlorobenzene	6.947	146	195498	1025.51	ng/ml	96
14) 2-Methylphenol	7.012	107	149424	1098.57	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	237699	1021.28	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	146586	1058.79	ng/ml	90
17) 3+4-Methylphenol	7.161	107	196181	1134.90	ng/ml	96
18) Hexachloroethane	7.290	201	62758	1028.54	ng/ml	94
20) Nitrobenzene	7.343	77	189473	1036.09	ng/ml	90
22) Isophorone	7.579	82	415015	1088.95	ng/ml	92
23) 2-Nitrophenol	7.659	139	103884	1081.06	ng/ml	81
24) 2,4-Dimethylphenol	7.691	122	176030	1169.12	ng/ml	93

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.787	93	229976	1133.25	ng/ml	98
26) Benzoic acid	7.787	105	173938	2328.17	ng/ml	92
27) 2,4-Dichlorophenol	7.899	162	151910	1157.72	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	169870	1032.92	ng/ml	96
29) Naphthalene	8.071	128	577818	1045.05	ng/ml	100
30) 4-Chloroaniline	8.113	127	188699	1096.11	ng/ml	93
31) Hexachlorobutadiene	8.199	225	91185	995.85	ng/ml	98
32) 4-Chloro-3-methylphenol	8.595	107	173170	1116.31	ng/ml	93
33) 2-Methylnaphthalene	8.771	142	416135	1106.73	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	392329	1117.32	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	91357	1132.54	ng/ml	98
37) 2,4,6-Trichlorophenol	9.049	196	109630	1029.82	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	110886	1076.26	ng/ml	99
39) 1,1'-Biphenyl	9.242	154	487149	1066.78	ng/ml	99
41) 2-Chloronaphthalene	9.263	162	362732	1091.06	ng/ml	93
42) 2-Nitroaniline	9.360	138	125859	1143.16	ng/ml	76
43) 2,6-Dimethylnaphthalene	9.402	156	353919	1051.73	ng/ml	96
44) 1,4-Dinitrobenzene	9.483	168	55469	1118.81	ng/ml	77
45) Dimethyl phthalate	9.541	163	426881	1056.83	ng/ml	99
46) 1,3-Dinitrobenzene	9.568	168	65274	1122.86	ng/ml	88
47) 2,6-Dinitrotoluene	9.600	165	98471	1122.54	ng/ml	78
48) 1,2-Dinitrobenzene	9.659	168	46417	1117.56	ng/ml#	63
49) Acenaphthylene	9.691	152	625412	1143.73	ng/ml	99
50) 3-Nitroaniline	9.777	138	79129	1037.35	ng/ml	90
51) Acenaphthene	9.868	153	380398	1062.70	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	29679	1202.89	ng/ml	88
53) 4-Nitrophenol	9.932	139	67010	1138.71	ng/ml	88
54) 2,4-Dinitrotoluene	10.012	165	125052	1113.36	ng/ml	81
55) Dibenzofuran	10.044	168	516696	1040.94	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.119	232	87141	1088.85	ng/ml	89
57) 2,3,4,6-Tetrachlorophenol	10.167	232	89810	1168.68	ng/ml	93
58) Diethyl phthalate	10.258	149	414169	1048.77	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	324624	993.29	ng/ml	98
60) Fluorene	10.392	166	409438	1027.73	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	195672	1058.62	ng/ml	87
62) 4-Nitroaniline	10.397	138	59603	1074.13	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.429	198	49558	1154.24	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

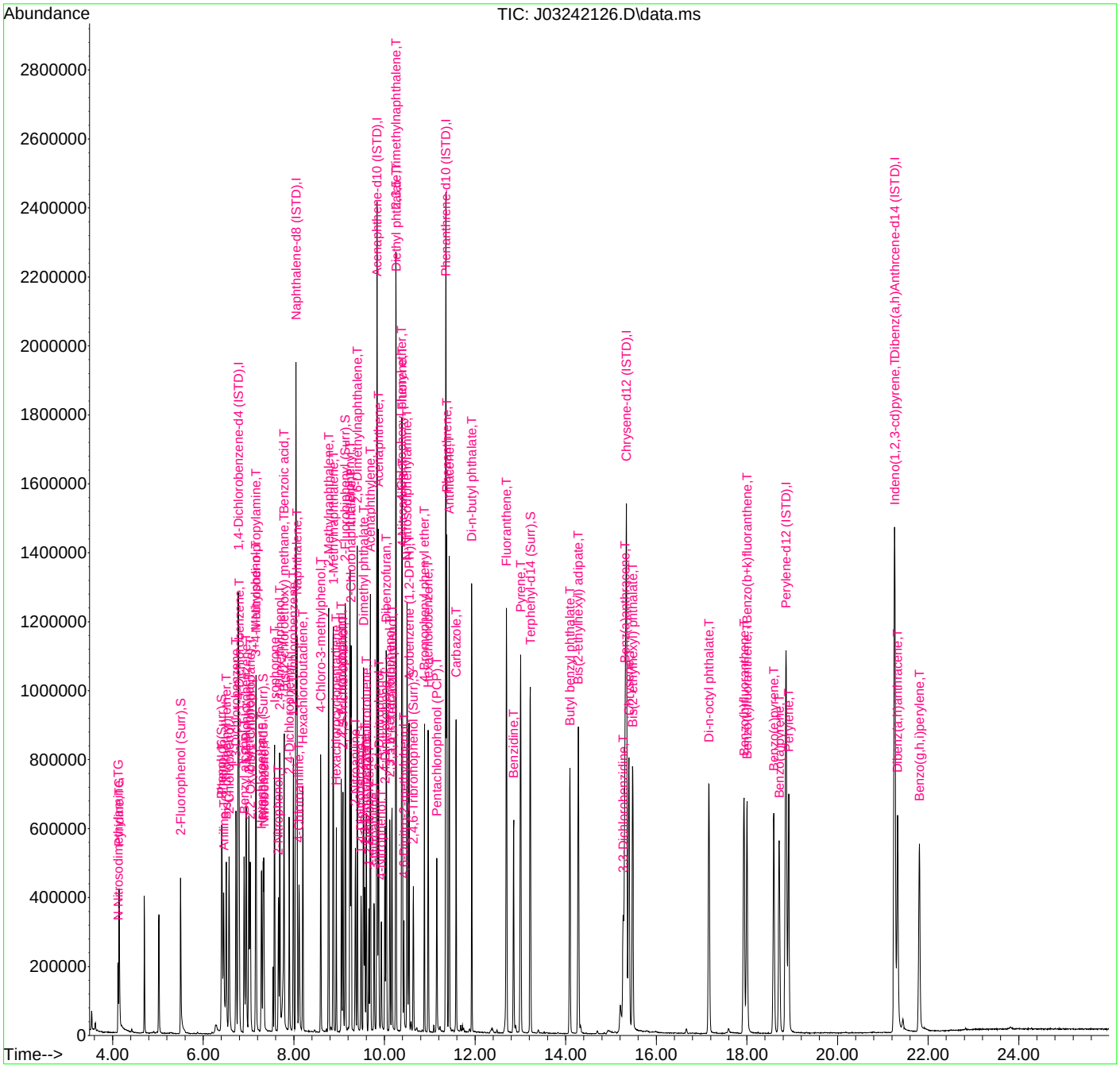
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	340924	1062.75	ng/ml	98
66) Azobenzene (1,2-DPH)	10.547	77	409782	1079.05	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.884	248	117700	1076.17	ng/ml	92
69) Hexachlorobenzene	10.964	284	124271	1027.47	ng/ml	90
70) Pentachlorophenol (PCP)	11.157	266	62797	1134.45	ng/ml	98
71) Phenanthrene	11.376	178	583192	1000.52	ng/ml	99
72) Anthracene	11.430	178	592784	1071.27	ng/ml	99
73) Carbazole	11.585	167	412047	936.02	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	708586	1097.37	ng/ml	99
75) Fluoranthene	12.692	202	632553	1088.89	ng/ml	97
76) Benzidine	12.852	184	342568	2288.73	ng/ml	99
77) Pyrene	13.007	202	647100	1081.87	ng/ml	100
80) Butyl benzyl phthalate	14.093	149	300823	1052.04	ng/ml	83
81) Bis(2-ethylhexyl) adipate	14.280	129	287390	1029.85	ng/ml	98
82) 3,3-Dichlorobenzidine	15.270	252	147670	1725.76	ng/ml	94
83) Benz(a)anthracene	15.313	228	579075	1013.55	ng/ml	98
84) Chrysene	15.398	228	535023	1004.26	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.478	149	423391	1071.33	ng/ml	98
87) Di-n-octyl phthalate	17.163	149	725985	1047.59	ng/ml	97
88) Benzo(b)fluoranthene	17.939	252	553399	1058.32	ng/ml	95
89) Benzo(k)fluoranthene	18.003	252	523536	1041.85	ng/ml	97
90) Benzo(b+k)fluoranthene	18.003	252	1095069	2107.68	ng/ml	97
91) Benzo(e)pyrene	18.597	252	501352	989.96	ng/ml	98
92) Benzo(a)pyrene	18.714	252	460226	998.64	ng/ml	97
93) Perylene	18.923	252	479502	1122.02	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.266	276	450150	993.61	ng/ml	95
96) Dibenz(a,h)anthracene	21.325	278	439779	1055.90	ng/ml	95
97) Benzo(g,h,i)perylene	21.806	276	474593	1058.40	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

JK 3/25/21

Final Requant

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4...	6.776	152	238632	2000.00	ng/ml	0.00
21) Naphthalene-d8 (ISTD)	8.049	136	1057728	2000.00	ng/ml	0.00
35) Acenaphthene-d10 (ISTD)	9.836	162	543256	2000.00	ng/ml	0.00
64) Phenanthrene-d10 (ISTD)	11.355	188	980391	2000.00	ng/ml	0.00
78) Chrysene-d12 (ISTD)	15.339	240	924578	2000.00	ng/ml	0.00
86) Perylene-d12 (ISTD)	18.864	264	850257	2000.00	ng/ml	0.00
94) Dibenz(a,h)Anthrcene-d...	21.266	292	767282	2000.00	ng/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol (Surr)	5.503	112	196333	1095.50	ng/ml	0.01
5) Phenol-d6(Surr)	6.407	99	225648	1043.82	ng/ml	0.00
19) Nitrobenzene-d5 (Surr)	7.322	82	189897	1040.41	ng/ml	0.00
40) 2-Fluorobiphenyl (Surr)	9.135	172	440988	1074.40	ng/ml	0.00
67) 2,4,6-Tribromophenol (...	10.638	330	53169	1092.54	ng/ml	0.00
79) Terphenyl-d14 (Surr)	13.221	244	519546	1033.45	ng/ml	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	4.123	74	123818	962.34	ng/ml	81
3) Pyridine	4.145	79	189232	1028.36	ng/ml	85
6) Phenol	6.418	94	251552	1055.99	ng/ml	90
7) Aniline	6.455	93	218405	948.20	ng/ml	88
8) Bis(2-chloroethyl) ether	6.509	93	218497	1038.23	ng/ml	90
9) 2-Chlorophenol	6.573	128	195968	1080.74	ng/ml	90
10) 1,3-Dichlorobenzene	6.723	146	204277	1025.55	ng/ml	96
11) 1,4-Dichlorobenzene	6.792	146	198240	1002.19	ng/ml	96
12) Benzyl alcohol	6.905	108	121144	1063.46	ng/ml	90
13) 1,2-Dichlorobenzene	6.947	146	195498	1025.51	ng/ml	96
14) 2-Methylphenol	7.012	107	149424	1098.57	ng/ml	98
15) 2,2'-Oxybis(1-Chloropr...	7.038	45	237699	1021.28	ng/ml	79
16) N-Nitrosodi-n-propylamine	7.167	70	146586	1058.79	ng/ml	90
17) 3+4-Methylphenol	7.161	107	196181	1134.90	ng/ml	96
18) Hexachloroethane	7.290	201	62758	1028.54	ng/ml	94
20) Nitrobenzene	7.343	77	189473	1036.09	ng/ml	90
22) Isophorone	7.579	82	415015	1088.95	ng/ml	92
23) 2-Nitrophenol	7.659	139	103884	1081.06	ng/ml	81
24) 2,4-Dimethylphenol	7.691	122	176030	1169.12	ng/ml	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Bis(2-chloroethoxy) me...	7.787	93	229976	1133.25	ng/ml	98
26) Benzoic acid	7.787	105	173938	2328.17	ng/ml	92
27) 2,4-Dichlorophenol	7.899	162	151910	1157.72	ng/ml	97
28) 1,2,4-Trichlorobenzene	7.990	180	169870	1032.92	ng/ml	96
29) Naphthalene	8.071	128	577818	1045.05	ng/ml	100
30) 4-Chloroaniline	8.113	127	188699	1096.11	ng/ml	93
31) Hexachlorobutadiene	8.199	225	91185	995.85	ng/ml	98
32) 4-Chloro-3-methylphenol	8.595	107	173170	1116.31	ng/ml	93
33) 2-Methylnaphthalene	8.771	142	416135	1106.73	ng/ml	96
34) 1-Methylnaphthalene	8.873	142	392329	1117.32	ng/ml	96
36) Hexachlorocyclopentadiene	8.937	237	91357	1132.54	ng/ml	98
37) 2,4,6-Trichlorophenol	9.049	196	109630	1029.82	ng/ml	98
38) 2,4,5-Trichlorophenol	9.087	198	110886	1076.26	ng/ml	99
39) 1,1'-Biphenyl	9.242	154	487149	1066.78	ng/ml	99
41) 2-Chloronaphthalene	9.263	162	362732	1091.06	ng/ml	93
42) 2-Nitroaniline	9.360	138	125859	1143.16	ng/ml	76
43) 2,6-Dimethylnaphthalene	9.402	156	353919	1051.73	ng/ml	96
44) 1,4-Dinitrobenzene	9.483	168	55469	1118.81	ng/ml	77
45) Dimethyl phthalate	9.541	163	426881	1056.83	ng/ml	99
46) 1,3-Dinitrobenzene	9.568	168	65274	1122.86	ng/ml	88
47) 2,6-Dinitrotoluene	9.600	165	98471	1122.54	ng/ml	78
48) 1,2-Dinitrobenzene	9.659	168	46417	1117.56	ng/ml#	63
49) Acenaphthylene	9.691	152	625412	1143.73	ng/ml	99
50) 3-Nitroaniline	9.777	138	79129	1037.35	ng/ml	90
51) Acenaphthene	9.868	153	380398	1062.70	ng/ml	99
52) 2,4-Dinitrophenol	9.878	184	29679	1202.89	ng/ml	88
53) 4-Nitrophenol	9.932	139	67010	1138.71	ng/ml	88
54) 2,4-Dinitrotoluene	10.012	165	125052	1113.36	ng/ml	81
55) Dibenzofuran	10.044	168	516696	1040.94	ng/ml	95
56) 2,3,5,6-Tetrachlorophenol	10.119	232	87141	1088.85	ng/ml	89
57) 2,3,4,6-Tetrachlorophenol	10.167	232	89810	1168.68	ng/ml	93
58) Diethyl phthalate	10.258	149	414169	1048.77	ng/ml	99
59) 2,3,5-Trimethylnaphtha...	10.253	170	324624	993.29	ng/ml	98
60) Fluorene	10.392	166	409438	1027.73	ng/ml	99
61) 4-Chlorophenyl phenyl ...	10.381	204	195672	1058.62	ng/ml	87
62) 4-Nitroaniline	10.397	138	59603	1074.13	ng/ml	94
63) 4,6-Dinitro-2-methylph...	10.429	198	49558	1154.24	ng/ml	91

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration

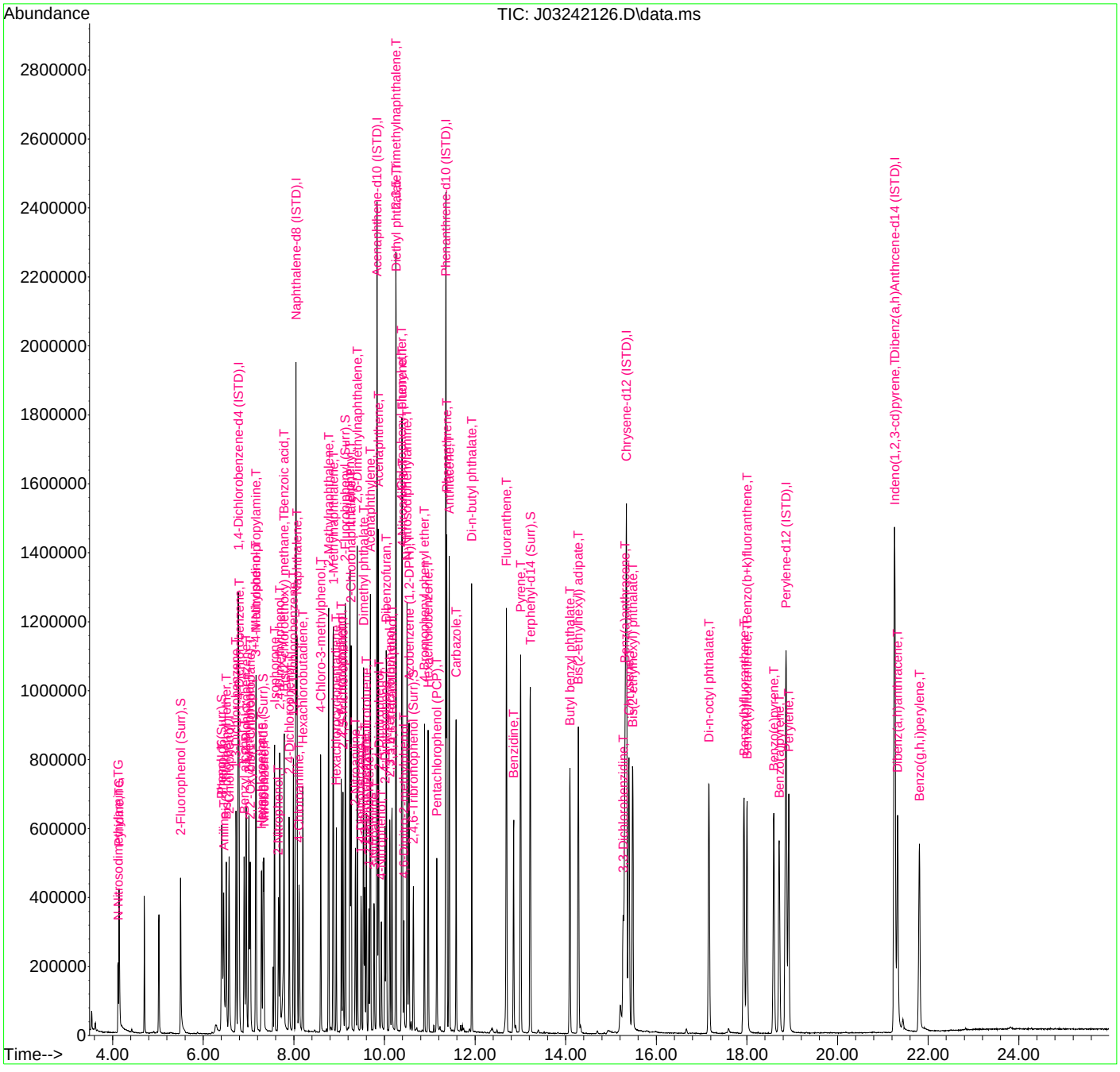
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) N-Nitrosodiphenylamine	10.499	169	340924	1062.75	ng/ml	98
66) Azobenzene (1,2-DPH)	10.547	77	409782	1079.05	ng/ml	94
68) 4-Bromophenyl phenyl e...	10.884	248	117700	1076.17	ng/ml	92
69) Hexachlorobenzene	10.964	284	124271	1027.47	ng/ml	90
70) Pentachlorophenol (PCP)	11.157	266	62797	1134.45	ng/ml	98
71) Phenanthrene	11.376	178	583192	1000.52	ng/ml	99
72) Anthracene	11.430	178	592784	1071.27	ng/ml	99
73) Carbazole	11.585	167	412047	936.02	ng/ml	98
74) Di-n-butyl phthalate	11.927	149	708586	1097.37	ng/ml	99
75) Fluoranthene	12.692	202	632553	1088.89	ng/ml	97
76) Benzidine	12.852	184	342568	2288.73	ng/ml	99
77) Pyrene	13.007	202	647100	1081.87	ng/ml	100
80) Butyl benzyl phthalate	14.093	149	300823	1052.04	ng/ml	83
81) Bis(2-ethylhexyl) adipate	14.280	129	287390	1029.85	ng/ml	98
82) 3,3-Dichlorobenzidine	15.270	252	147670	1725.76	ng/ml	94
83) Benz(a)anthracene	15.313	228	579075	1013.55	ng/ml	98
84) Chrysene	15.398	228	535023	1004.26	ng/ml	98
85) Bis(2-ethylhexyl) phth...	15.478	149	423391	1071.33	ng/ml	98
87) Di-n-octyl phthalate	17.163	149	725985	1047.59	ng/ml	97
88) Benzo(b)fluoranthene	17.939	252	553399	1058.32	ng/ml	95
89) Benzo(k)fluoranthene	18.003	252	523536	1041.85	ng/ml	97
90) Benzo(b+k)fluoranthene	18.003	252	1095069	2107.68	ng/ml	97
91) Benzo(e)pyrene	18.597	252	501352	989.96	ng/ml	98
92) Benzo(a)pyrene	18.714	252	460226	998.64	ng/ml	97
93) Perylene	18.923	252	479502	1122.02	ng/ml	99
95) Indeno(1,2,3-cd)pyrene	21.266	276	450150	993.61	ng/ml	95
96) Dibenz(a,h)anthracene	21.325	278	439779	1055.90	ng/ml	95
97) Benzo(g,h,i)perylene	21.806	276	474593	1058.40	ng/ml	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2021-03\1C24070\
Data File : J03242126.D
Acq On : 25 Mar 2021 3:49 am
Operator : JK/ AMS/ DTH
Sample : 1C24070-ICV1
Misc : 1x, A21B480 BNA@1000
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 25 15:48:46 2021
Quant Method : C:\msdchem\1\methods\SV10_032421.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Thu Mar 25 13:11:22 2021
Response via : Initial Calibration



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

Total Metals by EPA 6020B (ICPMS)
Benchsheet and Analysis Sequence Data (Including Calibration)

Batch 1050469
Sequence 1E13059

APEX LABORATORIES

Ag (Silver) - 6020B - Total
As (Arsenic) - 6020B - Total
Ba (Barium) - 6020B - Total
Cd (Cadmium) - 6020B - Total
Cr (Chromium) - 6020B - Total
Cu (Copper) - 6020B - Total
Fe (Iron) - 6020B - Total
Hg (Mercury) - 6020B - Total

PREPARATION BENCH SHEET

1050469

MAY 17 2021

Apex Laboratories

BATCH #: 1050469 (Water)

Prep Method: EPA 3015A

Lab Number	Due	Prepared	Initial (mL)	Final (mL)	Client	ClientID / Sample	Extraction Comments
1050469-BLK1	---	05/13/21 13:48	45	50	QC Sample		
1050469-BS1	---	05/13/21 13:48	45	50	QC Sample		
Spike 1: 500 uL of A21E023 Spike 2: 50 uL of A21D394							
A1E0219-01	05/17/21	05/13/21 13:48	45	50	Anchor QEA, LLC	SC-FB-2105030940	
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A1E0219-02	05/17/21	05/13/21 13:48	45	50	Anchor QEA, LLC	SC-RB-2105030901	
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A1E0339-01	05/14/21	05/13/21 13:48	45	50		RD-051021-385	MDL 6020 Total Cu, Fe, Hg, Pb: ug/L
☐ Cu (Copper) - 6020B - Total ☐ Fe (Iron) - 6020B - Total ☐ Hg (Mercury) - 6020B - Total ☐ Pb (Lead) - 6020B - Total							
A1E0418-01	05/14/21	05/13/21 13:48	45	50		001	Added for BatchQC in 1050469
☐ Ag (Silver) - 6020B - Total ☐ As (Arsenic) - 6020B - Total ☐ Ba (Barium) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Hg (Mercury) - 6020B - Total ☐ Pb (Lead) - 6020B - Total ☐ Se (Selenium) - 6020B - Total							
Batch QC:							
☐ Cu (Copper) - 6020B - Total ☐ Fe (Iron) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
1050469-DUP1	---	05/13/21 13:48	45	50	QC Sample		
Source: A1E0418-01							
1050469-MS1	---	05/13/21 13:48	45	50	QC Sample		
Source: A1E0418-01 Spike 1: 500 uL of A21E023 Spike 2: 50 uL of A21D394							
A1E0418-02	05/14/21	05/13/21 13:48	~~45~~ 5	50		002	
☐ Ag (Silver) - 6020B - Total ☐ As (Arsenic) - 6020B - Total ☐ Ba (Barium) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Hg (Mercury) - 6020B - Total ☐ Pb (Lead) - 6020B - Total ☐ Se (Selenium) - 6020B - Total							
A1E0418-03	05/14/21	05/13/21 13:48	45	50		003	
☐ Ag (Silver) - 6020B - Total ☐ As (Arsenic) - 6020B - Total ☐ Ba (Barium) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Hg (Mercury) - 6020B - Total ☐ Pb (Lead) - 6020B - Total ☐ Se (Selenium) - 6020B - Total							

JHH 5/13/2021
Prepared By: Date

Reviewed By: 05/14/21
Date

APEX LABORATORIES

Apex Laboratories
BATCH #: 1050469 (Water)
Prep Method: EPA 3015A

Lab Number	Due	Prepared	Initial (mL)	Final (mL)	Client	ClientID / Sample	Extraction Comments

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L213	11/30/23	Metals Prep Balance 2
A17F264	08/26/21	Mars-6 Microwave
A20L104	06/05/21	MW Liners -Disposable
A21A018	01/04/23	Conc. HCl - Omnitrace
A21E111	05/10/23	Conc. HNO3 - Omnitrace

Analyte Spike(s) JHH 5/13/2021

Std ID	Exp. Date	Description
A21D394	10/24/21	Hg Spiking Standard
A21E023	07/09/21	**Combo Spike** A+B+C

JHH 5/13/2021
A) A21E022 250 µL
B) A21D292 125 µL
C) A21D442 125 µL

Digestion time and temperature achieved? Yes
Initials: JHH

JHH 5/13/2021
Prepared By: Date

Reviewed By: Date

Import sample list

Batch: **1050469**

If observed weight loss < 0.2g Digestion is within control limits

If observed weight loss > 0.2g Enter data in to electronic VWW. Acceptance limit 1.0%

Date: 05/13/21 Prepared by: jhh

#	Mars Tube ID	Sample ID	Pre-digestion Vessel Wt. (g)	Pre-digestion Vessel + Sample Wt. (g)	Post-digestion Vessel + Sample Wt. (g)	Sample Wt. Loss (%)* *Formula only used if sample loss >0.2g*
1	W67	1050469-BLK1	126.71	211.716	211.71	0.01%
2	W112	1050469-BS1	125.906	211.884	211.88	0.00%
3	W124	A1E0219-01	128.58	214.224	214.214	0.01%
4	W59	A1E0219-02	126.242	211.862	211.854	0.01%
5	W89	A1E0339-01	129.086	214.196	214.192	0.00%
6	W52	A1E0418-01	125.594	211.498	211.49	0.01%
7	W70	1050469-DUP1	128.182	212.97	212.966	0.00%
8	W111	1050469-MS1	129.174	214.976	214.978	0.00%
9	W54	A1E0418-02	126.116	211.758	211.738	0.02%
10	W82	A1E0418-03	129.052	214.026	214.018	0.01%
11						n/a
12						n/a
13						n/a
14						n/a
15						n/a
16						n/a
17						n/a
18						n/a
19						n/a
20						n/a
21						n/a
22						n/a
23						n/a
24						n/a
25						n/a

Run Data
Method: US EPA 3015a
Date/Time: 05/13/2021 14:10

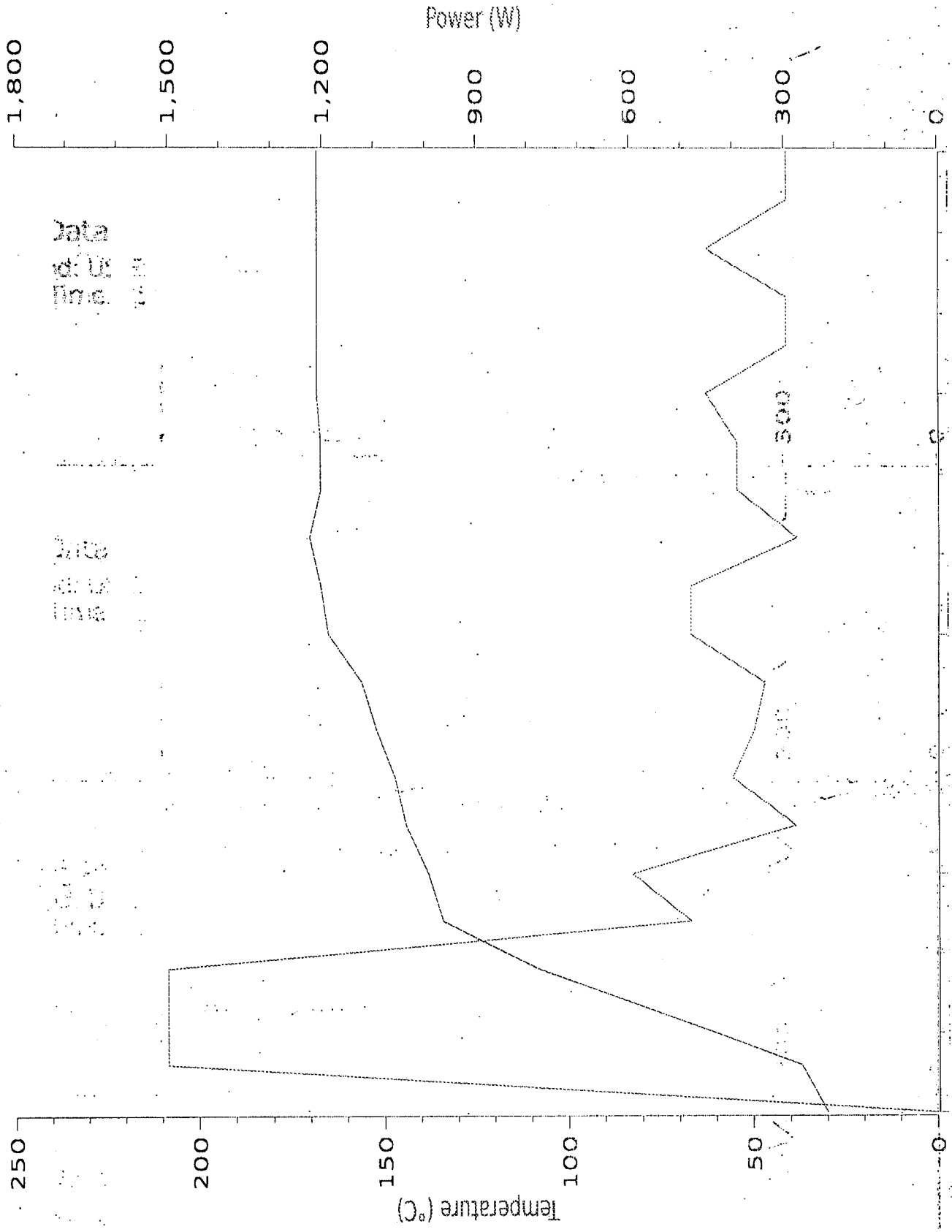
Time	Temperature (°C)
00:00	30
00:30	33
01:00	37
01:30	44
02:00	72
02:30	92
03:00	108
03:30	123
04:00	134
04:30	137
05:00	138
05:30	141
06:00	144
06:30	146
07:00	147
07:30	150
08:00	152
08:30	154
09:00	156
09:30	161
10:00	165
10:30	166
11:00	167
11:30	168
12:00	170
12:30	168
13:00	167
13:30	168
14:00	167
14:30	168
15:00	168
15:30	168
16:00	168
16:30	168
17:00	168
17:30	168
18:00	168

Time	Temperature (°C)
18:30	168
19:00	168
19:30	168
20:00	168

----- End Stage 1 -----

Run Data

Method: US EPA 3015a
Date/Time: 05/13/2021 14:10



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1E13059	Instrument:	ICPMS6
Date:	**05/13/21 16:02**	Calibration:	**UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E13059-TUN1	Water	QC	QC				A21E051
2	1E13059-CAL1	Water	QC	QC			A21D191	A21E045
3	1E13059-CAL2	Water	QC	QC			A21D191	A21E046
4	1E13059-CAL3	Water	QC	QC			A21D191	A21E047
5	1E13059-CAL4	Water	QC	QC			A21D191	A21E048
6	1E13059-CAL5	Water	QC	QC			A21D191	A21E049
7	1E13059-CAL6	Water	QC	QC			A21D191	A21E006
8	1E13059-CAL7	Water	QC	QC			A21D191	A21E007
9	1E13059-CAL8	Water	QC	QC			A21D191	A21E009
10	1E13059-CAL9	Water	QC	QC			A21D191	A21E010
11	1E13059-ICV1	Water	QC	QC			A21D191	A21D303
12	1E13059-ICB1	Water	QC	QC			A21D191	
13	1E13059-IFA1	Water	QC	QC			A21D191	A21E115
14	1E13059-IFB1	Water	QC	QC			A21D191	A21E116
15	1050446-BLK1	Sediment	QC	QC		1050446	A21D191	
16	1050446-BS1	Sediment	QC	QC		1050446	A21D191	
17	A1E0079-05	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/13/21	1050446	A21D191	
18	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/13/21	1050446	A21D191	
19	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/13/21	1050446	A21D191	
20	"	Sediment	Cu (Copper) - 6020B - Total	"	05/13/21	1050446	A21D191	
21	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/13/21	1050446	A21D191	
22	"	Sediment	Pb (Lead) - 6020B - Total	"	05/13/21	1050446	A21D191	
23	"	Sediment	V (Vanadium) - 6020B - Total	"	05/13/21	1050446	A21D191	
24	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/13/21	1050446	A21D191	
25	1050446-MS1	Sediment	QC	QC		1050446	A21D191	
26	1050446-MSD1	Sediment	QC	QC		1050446	A21D191	
27	A1E0079-07	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/13/21	1050446	A21D191	
28	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/13/21	1050446	A21D191	
29	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/13/21	1050446	A21D191	
30	"	Sediment	Cu (Copper) - 6020B - Total	"	05/13/21	1050446	A21D191	
31	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/13/21	1050446	A21D191	
32	"	Sediment	Pb (Lead) - 6020B - Total	"	05/13/21	1050446	A21D191	
33	"	Sediment	V (Vanadium) - 6020B - Total	"	05/13/21	1050446	A21D191	
34	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/13/21	1050446	A21D191	
35	A1E0079-14	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/13/21	1050446	A21D191	
36	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/13/21	1050446	A21D191	
37	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/13/21	1050446	A21D191	
38	"	Sediment	Cu (Copper) - 6020B - Total	"	05/13/21	1050446	A21D191	
39	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/13/21	1050446	A21D191	
40	"	Sediment	Pb (Lead) - 6020B - Total	"	05/13/21	1050446	A21D191	
41	"	Sediment	V (Vanadium) - 6020B - Total	"	05/13/21	1050446	A21D191	
42	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/13/21	1050446	A21D191	
43	A1E0079-15	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/13/21	1050446	A21D191	
44	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/13/21	1050446	A21D191	
45	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/13/21	1050446	A21D191	
46	"	Sediment	Cu (Copper) - 6020B - Total	"	05/13/21	1050446	A21D191	
47	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/13/21	1050446	A21D191	
48	"	Sediment	Pb (Lead) - 6020B - Total	"	05/13/21	1050446	A21D191	
49	"	Sediment	V (Vanadium) - 6020B - Total	"	05/13/21	1050446	A21D191	
50	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/13/21	1050446	A21D191	

Sequence: 1E13059 Instrument: ICPMS6

Date: **05/13/21 16:02** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
51	A1E0079-16	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/13/21	1050446	A21D191	
52	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/13/21	1050446	A21D191	
53	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/13/21	1050446	A21D191	
54	"	Sediment	Cu (Copper) - 6020B - Total	"	05/13/21	1050446	A21D191	
55	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/13/21	1050446	A21D191	
56	"	Sediment	Pb (Lead) - 6020B - Total	"	05/13/21	1050446	A21D191	
57	"	Sediment	V (Vanadium) - 6020B - Total	"	05/13/21	1050446	A21D191	
58	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/13/21	1050446	A21D191	
59	1E13059-CCV1	Water	QC	QC			A21D191	A21D303
60	1E13059-CCB1	Water	QC	QC			A21D191	
61	A1E0079-17	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/13/21	1050446	A21D191	
62	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/13/21	1050446	A21D191	
63	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/13/21	1050446	A21D191	
64	"	Sediment	Cu (Copper) - 6020B - Total	"	05/13/21	1050446	A21D191	
65	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/13/21	1050446	A21D191	
66	"	Sediment	Pb (Lead) - 6020B - Total	"	05/13/21	1050446	A21D191	
67	"	Sediment	V (Vanadium) - 6020B - Total	"	05/13/21	1050446	A21D191	
68	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/13/21	1050446	A21D191	
69	A1E0100-06	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
70	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
71	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
72	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
73	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
74	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
75	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
76	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
77	A1E0100-07	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
78	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
79	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
80	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
81	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
82	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
83	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
84	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
85	A1E0100-08	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
86	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
87	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
88	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
89	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
90	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
91	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
92	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
93	A1E0100-13	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
94	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
95	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
96	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
97	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
98	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
99	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
100	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
101	A1E0100-14	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
102	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
103	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
104	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	

Sequence: 1E13059 Instrument: ICPMS6

Date: **05/13/21 16:02** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
105	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
106	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
107	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
108	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
109	A1E0100-19	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
110	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
111	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
112	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
113	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
114	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
115	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
116	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
117	A1E0100-20	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
118	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
119	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
120	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
121	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
122	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
123	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
124	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
125	A1E0100-21	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
126	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
127	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
128	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
129	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
130	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
131	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
132	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
133	A1E0100-23	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
134	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
135	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
136	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
137	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
138	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
139	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
140	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
141	1E13059-CCV2	Water	QC	QC			A21D191	A21D303
142	1E13059-CCB2	Water	QC	QC			A21D191	
143	A1E0100-24	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
144	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
145	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
146	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
147	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
148	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
149	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
150	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
151	A1E0100-27	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
152	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
153	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
154	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
155	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
156	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
157	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
158	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	

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#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
159	A1E0100-28	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
160	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
161	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
162	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
163	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
164	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
165	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
166	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
167	A1E0100-29	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
168	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
169	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
170	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
171	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
172	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
173	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
174	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
175	A1E0100-30	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050446	A21D191	
176	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050446	A21D191	
177	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050446	A21D191	
178	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050446	A21D191	
179	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050446	A21D191	
180	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050446	A21D191	
181	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050446	A21D191	
182	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050446	A21D191	
183	1050475-BLK1	Sediment	QC	QC		1050475	A21D191	
184	1050475-BS1	Sediment	QC	QC		1050475	A21D191	
185	A1E0100-22	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
186	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
187	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
188	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
189	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
190	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
191	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
192	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
193	1050475-MS1	Sediment	QC	QC		1050475	A21D191	
194	1E13059-CCV3	Water	QC	QC			A21D191	A21D303
195	1E13059-CCB3	Water	QC	QC			A21D191	
196	1050475-MSD1	Sediment	QC	QC		1050475	A21D191	
197	A1E0100-31	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
198	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
199	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
200	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
201	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
202	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
203	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
204	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
205	A1E0174-03	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
206	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
207	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
208	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
209	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
210	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
211	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
212	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	

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#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
213	A1E0174-04	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
214	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
215	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
216	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
217	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
218	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
219	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
220	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
221	A1E0174-05	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
222	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
223	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
224	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
225	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
226	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
227	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
228	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
229	A1E0174-06	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
230	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
231	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
232	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
233	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
234	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
235	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
236	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
237	A1E0174-07	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
238	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
239	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
240	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
241	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
242	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
243	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
244	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
245	A1E0180-04	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
246	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
247	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
248	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
249	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
250	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
251	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
252	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
253	A1E0180-05	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
254	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
255	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
256	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
257	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
258	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
259	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
260	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
261	A1E0180-06	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
262	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
263	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
264	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
265	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
266	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	

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#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
267	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
268	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
269	1E13059-CCV4	Water	QC	QC			A21D191	A21D303
270	1E13059-CCB4	Water	QC	QC			A21D191	
271	A1E0180-09	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
272	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
273	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
274	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
275	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
276	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
277	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
278	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
279	A1E0180-10	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
280	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
281	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
282	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
283	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
284	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
285	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
286	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
287	A1E0180-11	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
288	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
289	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
290	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
291	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
292	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
293	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
294	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
295	A1E0180-12	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
296	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
297	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
298	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
299	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
300	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
301	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
302	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
303	A1E0180-15	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
304	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
305	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
306	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
307	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
308	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
309	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
310	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
311	A1E0180-16	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
312	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
313	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
314	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
315	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
316	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
317	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
318	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
319	A1E0180-17	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
320	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	

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#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
321	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
322	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
323	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
324	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
325	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
326	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
327	A1E0180-18	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
328	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
329	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
330	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
331	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
332	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
333	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
334	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
335	A1E0180-19	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
336	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
337	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
338	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
339	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
340	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
341	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
342	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
343	A1E0180-22	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/14/21	1050475	A21D191	
344	"	Sediment	Cd (Cadmium) - 6020B - Total	"	05/14/21	1050475	A21D191	
345	"	Sediment	Cr (Chromium) - 6020B - Total	"	05/14/21	1050475	A21D191	
346	"	Sediment	Cu (Copper) - 6020B - Total	"	05/14/21	1050475	A21D191	
347	"	Sediment	Mn (Manganese) - 6020B - Total	"	05/14/21	1050475	A21D191	
348	"	Sediment	Pb (Lead) - 6020B - Total	"	05/14/21	1050475	A21D191	
349	"	Sediment	V (Vanadium) - 6020B - Total	"	05/14/21	1050475	A21D191	
350	"	Sediment	Zn (Zinc) - 6020B - Total	"	05/14/21	1050475	A21D191	
351	1E13059-CCV5	Water	QC	QC			A21D191	A21D303
352	1E13059-CCB5	Water	QC	QC			A21D191	
353	1050469-BLK1	Water	QC	QC		1050469	A21D191	
354	1050469-BS1	Water	QC	QC		1050469	A21D191	
355	A1E0219-01	Water	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/17/21	1050469	A21D191	
356	"	Water	Cd (Cadmium) - 6020B - Total	"	05/17/21	1050469	A21D191	
357	"	Water	Cr (Chromium) - 6020B - Total	"	05/17/21	1050469	A21D191	
358	"	Water	Cu (Copper) - 6020B - Total	"	05/17/21	1050469	A21D191	
359	"	Water	Mn (Manganese) - 6020B - Total	"	05/17/21	1050469	A21D191	
360	"	Water	Pb (Lead) - 6020B - Total	"	05/17/21	1050469	A21D191	
361	"	Water	V (Vanadium) - 6020B - Total	"	05/17/21	1050469	A21D191	
362	"	Water	Zn (Zinc) - 6020B - Total	"	05/17/21	1050469	A21D191	
363	A1E0219-02	Water	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	05/17/21	1050469	A21D191	
364	"	Water	Cd (Cadmium) - 6020B - Total	"	05/17/21	1050469	A21D191	
365	"	Water	Cr (Chromium) - 6020B - Total	"	05/17/21	1050469	A21D191	
366	"	Water	Cu (Copper) - 6020B - Total	"	05/17/21	1050469	A21D191	
367	"	Water	Mn (Manganese) - 6020B - Total	"	05/17/21	1050469	A21D191	
368	"	Water	Pb (Lead) - 6020B - Total	"	05/17/21	1050469	A21D191	
369	"	Water	V (Vanadium) - 6020B - Total	"	05/17/21	1050469	A21D191	
370	"	Water	Zn (Zinc) - 6020B - Total	"	05/17/21	1050469	A21D191	
371	A1E0339-01	Water	Cu (Copper) - 6020B - Total		05/14/21	1050469	A21D191	
372	"	Water	Fe (Iron) - 6020B - Total		05/14/21	1050469	A21D191	
373	"	Water	Hg (Mercury) - 6020B - Total		05/14/21	1050469	A21D191	
374	"	Water	Pb (Lead) - 6020B - Total		05/14/21	1050469	A21D191	

Sequence: 1E13059 Instrument: ICPMS6

Date: **05/13/21 16:02** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
375	A1E0418-01	Water	Ag (Silver) - 6020B - Total		05/14/21	1050469	A21D191	
376	"	Water	As (Arsenic) - 6020B - Total		05/14/21	1050469	A21D191	
377	"	Water	Ba (Barium) - 6020B - Total		05/14/21	1050469	A21D191	
378	"	Water	Cd (Cadmium) - 6020B - Total		05/14/21	1050469	A21D191	
379	"	Water	Cr (Chromium) - 6020B - Total		05/14/21	1050469	A21D191	
380	"	Water	Cu (Copper) - 6020B - Total	(QC Source)		1050469	A21D191	
381	"	Water	Fe (Iron) - 6020B - Total	(QC Source)		1050469	A21D191	
382	"	Water	Hg (Mercury) - 6020B - Total	"	05/14/21	1050469	A21D191	
383	"	Water	Mn (Manganese) - 6020B - Total	(QC Source)		1050469	A21D191	
384	"	Water	Pb (Lead) - 6020B - Total	"	05/14/21	1050469	A21D191	
385	"	Water	Se (Selenium) - 6020B - Total	"	05/14/21	1050469	A21D191	
386	"	Water	V (Vanadium) - 6020B - Total	(QC Source)		1050469	A21D191	
387	"	Water	Zn (Zinc) - 6020B - Total	(QC Source)		1050469	A21D191	
388	1050469-DUP1	Water	QC	QC		1050469	A21D191	
389	1E13059-CCV6	Water	QC	QC			A21D191	A21D303
390	1E13059-CCB6	Water	QC	QC			A21D191	
391	1050469-MS1	Water	QC	QC		1050469	A21D191	
392	A1E0418-02	Water	Ag (Silver) - 6020B - Total		05/14/21	1050469	A21D191	
393	"	Water	As (Arsenic) - 6020B - Total		05/14/21	1050469	A21D191	
394	"	Water	Ba (Barium) - 6020B - Total		05/14/21	1050469	A21D191	
395	"	Water	Cd (Cadmium) - 6020B - Total		05/14/21	1050469	A21D191	
396	"	Water	Cr (Chromium) - 6020B - Total		05/14/21	1050469	A21D191	
397	"	Water	Hg (Mercury) - 6020B - Total		05/14/21	1050469	A21D191	
398	"	Water	Pb (Lead) - 6020B - Total		05/14/21	1050469	A21D191	
399	"	Water	Se (Selenium) - 6020B - Total		05/14/21	1050469	A21D191	
400	A1E0418-03	Water	Ag (Silver) - 6020B - Total		05/14/21	1050469	A21D191	
401	"	Water	As (Arsenic) - 6020B - Total		05/14/21	1050469	A21D191	
402	"	Water	Ba (Barium) - 6020B - Total		05/14/21	1050469	A21D191	
403	"	Water	Cd (Cadmium) - 6020B - Total		05/14/21	1050469	A21D191	
404	"	Water	Cr (Chromium) - 6020B - Total		05/14/21	1050469	A21D191	
405	"	Water	Hg (Mercury) - 6020B - Total		05/14/21	1050469	A21D191	
406	"	Water	Pb (Lead) - 6020B - Total		05/14/21	1050469	A21D191	
407	"	Water	Se (Selenium) - 6020B - Total		05/14/21	1050469	A21D191	
408	1E13059-CCV7	Water	QC	QC			A21D191	A21D303
409	1E13059-CCB7	Water	QC	QC			A21D191	

Standard	Description:	Expires:
A21D191	Working Internal Standard - ICPMS6	06/26/2021
A21D303	A100/B40/C8000/Hg0.8 ppb Daily Check Solution	06/16/2021
A21E006	ICPMS Cal 6	07/05/2021
A21E007	ICPMS Cal 7	07/05/2021
A21E009	ICPMS Cal 8	07/09/2021
A21E010	ICPMS Cal 9	07/09/2021
A21E045	ICPMS CAL 1 (LL CAL 4)	07/05/2021
A21E046	ICPMS CAL 2 (LL CAL 5)	07/05/2021
A21E047	ICPMS CAL 3	07/05/2021
A21E048	ICPMS CAL 4	07/05/2021
A21E049	ICPMS CAL 5 (LL CAL 7)	07/05/2021
A21E115	ICSA working std	07/29/2021
A21E116	ICSA+B working std	07/29/2021

Data Entered By/Date: JPB 05/14/21 Comments:

Data Reviewed By/Date: JSJ 05/14/21

SEQUENCE REVIEW SHEET

SEQUENCE: **1E13059** INSTRUMENT: **ICPMS6** **Seq. Date: 05/14/2021**

SEQUENCE LOG

Sample ID	Martix	Batch No.	Analyzed
1E13059-CAL1	Water	1E13059	05/13/2021 22:15:34
1E13059-CAL2	Water	1E13059	05/13/2021 22:20:38
1E13059-CAL3	Water	1E13059	05/13/2021 22:25:42
1E13059-CAL4	Water	1E13059	05/13/2021 22:30:46
1E13059-CAL5	Water	1E13059	05/13/2021 22:35:50
1E13059-CAL6	Water	1E13059	05/13/2021 22:40:54
1E13059-CAL7	Water	1E13059	05/13/2021 22:45:57
1E13059-CAL8	Water	1E13059	05/13/2021 22:50:55
1E13059-CAL9	Water	1E13059	05/13/2021 22:55:51
1E13059-ICV1	**Water**	**1E13059**	**05/13/2021 23:00:49**
1E13059-ICB1	**Water**	**1E13059**	**05/13/2021 23:05:38**
1E13059-IFA1	Water	1E13059	05/13/2021 23:10:28
1E13059-IFB1	Water	1E13059	05/13/2021 23:15:20
1050446-BLK1	Sediment	1050446	05/13/2021 23:25:01
1050446-BS1	Sediment	1050446	05/13/2021 23:29:52
A1E0079-05	Sediment	1050446	05/13/2021 23:34:46
1050446-MS1	Sediment	1050446	05/13/2021 23:39:39
1050446-MSD1	Sediment	1050446	05/13/2021 23:44:31
A1E0079-07	Sediment	1050446	05/13/2021 23:49:23
A1E0079-14	Sediment	1050446	05/13/2021 23:54:16
A1E0079-15	Sediment	1050446	05/13/2021 23:59:07
A1E0079-16	Sediment	1050446	05/14/2021 00:03:59
1E13059-CCV1	**Water**	**1E13059**	**05/14/2021 00:08:49**
1E13059-CCB1	**Water**	**1E13059**	**05/14/2021 00:13:40**
A1E0079-17	Sediment	1050446	05/14/2021 00:18:30
A1E0100-06	Sediment	1050446	05/14/2021 00:23:20
A1E0100-07	Sediment	1050446	05/14/2021 00:28:13
A1E0100-08	Sediment	1050446	05/14/2021 00:33:04
A1E0100-13	Sediment	1050446	05/14/2021 00:37:55
A1E0100-14	Sediment	1050446	05/14/2021 00:42:46
A1E0100-19	Sediment	1050446	05/14/2021 00:47:35
A1E0100-20	Sediment	1050446	05/14/2021 00:52:28
A1E0100-21	Sediment	1050446	05/14/2021 00:57:20
A1E0100-23	Sediment	1050446	05/14/2021 01:02:11
1E13059-CCV2	**Water**	**1E13059**	**05/14/2021 01:07:03**
1E13059-CCB2	**Water**	**1E13059**	**05/14/2021 01:11:53**
A1E0100-24	Sediment	1050446	05/14/2021 01:16:44
A1E0100-27	Sediment	1050446	05/14/2021 01:21:35
A1E0100-28	Sediment	1050446	05/14/2021 01:26:27
A1E0100-29	Sediment	1050446	05/14/2021 01:31:18
A1E0100-30	Sediment	1050446	05/14/2021 01:36:10
1050475-BLK1	Sediment	1050475	05/14/2021 01:45:55
1050475-BS1	Sediment	1050475	05/14/2021 01:50:46
A1E0100-22	Sediment	1050475	05/14/2021 01:55:37
1050475-MS1	Sediment	1050475	05/14/2021 02:00:31
1E13059-CCV3	**Water**	**1E13059**	**05/14/2021 02:05:22**
1E13059-CCB3	**Water**	**1E13059**	**05/14/2021 02:10:11**
1050475-MSD1	Sediment	1050475	05/14/2021 02:15:02
A1E0100-31	Sediment	1050475	05/14/2021 02:19:54
A1E0174-03	Sediment	1050475	05/14/2021 02:24:46
A1E0174-04	Sediment	1050475	05/14/2021 02:29:37
A1E0174-05	Sediment	1050475	05/14/2021 02:34:29
A1E0174-06	Sediment	1050475	05/14/2021 02:39:19
A1E0174-07	Sediment	1050475	05/14/2021 02:44:11
A1E0180-04	Sediment	1050475	05/14/2021 02:49:02

A1E0180-05	Sediment	1050475	05/14/2021 02:53:54
A1E0180-06	Sediment	1050475	05/14/2021 02:58:46
1E13059-CCV4	**Water**	**1E13059**	**05/14/2021 03:03:37**
1E13059-CCB4	**Water**	**1E13059**	**05/14/2021 03:08:28**
A1E0180-09	Sediment	1050475	05/14/2021 03:13:19
A1E0180-10	Sediment	1050475	05/14/2021 03:18:11
A1E0180-11	Sediment	1050475	05/14/2021 03:23:03
A1E0180-12	Sediment	1050475	05/14/2021 03:27:57
A1E0180-15	Sediment	1050475	05/14/2021 03:32:48
A1E0180-16	Sediment	1050475	05/14/2021 03:37:39
A1E0180-17	Sediment	1050475	05/14/2021 03:42:31
A1E0180-18	Sediment	1050475	05/14/2021 03:47:24
A1E0180-19	Sediment	1050475	05/14/2021 03:52:16
A1E0180-22	Sediment	1050475	05/14/2021 03:57:07
1E13059-CCV5	**Water**	**1E13059**	**05/14/2021 04:02:00**
1E13059-CCB5	**Water**	**1E13059**	**05/14/2021 04:06:49**
1050469-BLK1	Water	1050469	05/14/2021 04:26:15
1050469-BS1	Water	1050469	05/14/2021 04:31:06
A1E0219-01	Water	1050469	05/14/2021 04:35:59
A1E0219-02	Water	1050469	05/14/2021 04:40:49
A1E0339-01	Water	1050469	05/14/2021 04:45:39
A1E0418-01	Water	1050469	05/14/2021 04:50:30
1050469-DUP1	Water	1050469	05/14/2021 04:55:22
1E13059-CCV6	**Water**	**1E13059**	**05/14/2021 05:00:13**
1E13059-CCB6	**Water**	**1E13059**	**05/14/2021 05:05:03**
1050469-MS1	Water	1050469	05/14/2021 05:09:54
A1E0418-02	Water	1050469	05/14/2021 05:14:46
A1E0418-03	Water	1050469	05/14/2021 05:19:38
1E13059-CCV7	**Water**	**1E13059**	**05/14/2021 05:24:29**
1E13059-CCB7	**Water**	**1E13059**	**05/14/2021 05:29:19**

SEQUENCE REVIEW SHEET

SEQUENCE: **1E13059** INSTRUMENT: **ICPMS6** **Seq. Date: 05/14/2021**

CALIBRATION LEVEL RECOVERIES OUTSIDE 90-110%

SampleID	Analyte	Result	Units	SpikeConc(ppb)	% Recovery

MINIMUM CALIBRATION LEVELS

Analyte	MinCal	InitialUnits
Arsenic	0.900	ug/L
Barium	0.900	ug/L
Cadmium	0.180	ug/L
Chromium	0.900	ug/L
Copper	0.900	ug/L
Iron	45.000	ug/L
Lead	0.180	ug/L
Manganese	0.900	ug/L
Mercury	72.000	ng/L
Selenium	0.900	ug/L
Silver	0.180	ug/L
Vanadium	0.900	ug/L
Zinc	1.800	ug/L

MINIMUM CRL LEVELS

Analyte	MinCRL	InitialUnits

MINIMUM SAMPLE REPORTING LEVELS

Analyte	Min. Inst. MRL	Units
Arsenic	0.900	ug/L
Barium	0.900	ug/L
Cadmium	0.180	ug/L
Chromium	0.900	ug/L
Copper	1.800	ug/L
Iron	45.000	ug/L
Lead	0.180	ug/L
Manganese	0.900	ug/L
Mercury	72.000	ng/L
Selenium	0.900	ug/L
Silver	0.180	ug/L
Vanadium	1.800	ug/L
Zinc	3.600	ug/L

SEQUENCE REVIEW SHEET

SEQUENCE: **1E13059** INSTRUMENT: **ICPMS6** **Seq. Date: 05/14/2021**

BRACKETING STANDARDS

1E13059-ICV1	**Water**	**Batch: 1E13059**	**Analyzed: 05/13/2021 23:00:49**
EPA 6020B	13		
1E13059-ICB1	**Water**	**Batch: 1E13059**	**Analyzed: 05/13/2021 23:05:38**
EPA 6020B	13		
1E13059-CCV1	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 00:08:49**
EPA 6020B	13		
1E13059-CCB1	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 00:13:40**
EPA 6020B	13		
1E13059-CCV2	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 01:07:03**
EPA 6020B	13		
1E13059-CCB2	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 01:11:53**
EPA 6020B	13		
1E13059-CCV3	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 02:05:22**
EPA 6020B	13		
1E13059-CCB3	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 02:10:11**
EPA 6020B	13		
1E13059-CCV4	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 03:03:37**
EPA 6020B	13		
1E13059-CCB4	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 03:08:28**
EPA 6020B	13		
1E13059-CCV5	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 04:02:00**
EPA 6020B	13		
1E13059-CCB5	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 04:06:49**
EPA 6020B	13		
1E13059-CCV6	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 05:00:13**
EPA 6020B	13		
1E13059-CCB6	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 05:05:03**
EPA 6020B	13		
1E13059-CCV7	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 05:24:29**
EPA 6020B	13		
1E13059-CCB7	**Water**	**Batch: 1E13059**	**Analyzed: 05/14/2021 05:29:19**
EPA 6020B	13		

CONTINUING CALIBRATION VERIFICATION

1E13059-CCV1

1E13059-CCV2

1E13059-CCV3

1E13059-CCV4

1E13059-CCV5

1E13059-CCV6

1E13059-CCV7

EPA 6020B	Result	True Value	%Rec	LCL	UCL	STDID	Status	Qualifiers
Copper	**110.83**	100	**111**	90	110	A21D303	**FAIL**	Q-41
	1	Failure(s)						

1 Reportable Failures in 7 CCVs

EXTRACTION BLANKS

1050469-BLK1 Cu (Copper) - 6020B	Result	MDL	MRL	>MRL/MDL?	Fail?	Qualifier
Copper	**12.1**	1.00	2.00	>MRL	**FAIL**	A-01

1050469-BLK1 Mn (Manganese) - 60	Result	MDL	MRL	>MRL/MDL?	Fail?	Qualifier
Manganese	**0.653**	0.500	1.00	>1/2MRL	**FAIL**	

1050469-BLK1 Zn (Zinc) - 6020B - 1	Result	MDL	MRL	>MRL/MDL?	Fail?	Qualifier
Zinc	**7.22**	2.00	4.00	>MRL	**FAIL**	A-01

3 Total Failures in 3 Blank(s)

LAB CONTROL SPIKES

0 Failures in 3 LCS/LCSDs

DUPLICATES

No Duplicate Failures

MATRIX SPIKES

1050446-MS1	(Source: A1E0079-05)	**0**	**Failures**						
1050446-MSD1	(Source: A1E0079-05)	**1**	**Failures**						
Manganese	**6020 Total**	**831**	**48.1**	**808**	**47**	**75**	**125**	**FAIL**	**Q-03**
1050469-MS1	(Source: A1E0418-01)	**1**	**Failures**						
Manganese	**6020 Total**	**2230**	**55.6**	**2232**	**4**	**75**	**125**	**FAIL**	**Q-03**
1050475-MS1	(Source: A1E0100-22)	**1**	**Failures**						
Manganese	**6020 Total**	**771**	**43.4**	**786**	**-34**	**75**	**125**	**FAIL**	**Q-03**
1050475-MSD1	(Source: A1E0100-22)	**1**	**Failures**						
Manganese	**6020 Total**	**790**	**43.7**	**786**	**11**	**75**	**125**	**FAIL**	**Q-03**

SEQUENCE REVIEW SHEET

SEQUENCE: **1E13059** INSTRUMENT: **ICPMS6** **Seq. Date: 05/14/2021**

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0079-05									
Arsenic	As (Arsenic) - 6020B - Total	**5.27**	**4.99**	YES	0.473	**0.946**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.27**	**0.253**	YES	0.0946	**0.189**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**32.51**	**30.8**	YES	0.473	**0.946**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**50.04**	**47.4**	YES	0.946	**1.89**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**854.22**	**808**	YES	0.473	**0.946**	mg/kg	5	Q-42
Lead	Pb (Lead) - 6020B - Total	**17.45**	**16.5**	YES	0.0946	**0.189**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**101.74**	**96.3**	YES	0.946	**1.89**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**108.42**	**103**	YES	1.89	**3.79**	mg/kg	5	
A1E0079-07									
Arsenic	As (Arsenic) - 6020B - Total	**5.45**	**4.73**	YES	0.435	**0.870**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.35**	**0.303**	YES	0.0870	**0.174**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.76**	**29.4**	YES	0.435	**0.870**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**54.24**	**47.2**	YES	0.870	**1.74**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**921.61**	**801**	YES	0.435	**0.870**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**36.27**	**31.5**	YES	0.0870	**0.174**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**117.83**	**102**	YES	0.870	**1.74**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**173.38**	**151**	YES	1.74	**3.48**	mg/kg	5	
A1E0079-14									
Arsenic	As (Arsenic) - 6020B - Total	**17.34**	**16.7**	YES	0.482	**0.964**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.42**	**0.403**	YES	0.0964	**0.193**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**95.12**	**91.7**	YES	0.482	**0.964**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**159.56**	**154**	YES	0.964	**1.93**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**627.69**	**605**	YES	0.482	**0.964**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**83.45**	**80.4**	YES	0.0964	**0.193**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**94.56**	**91.1**	YES	0.964	**1.93**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**280.80**	**271**	YES	1.93	**3.86**	mg/kg	5	
A1E0079-15									
Arsenic	As (Arsenic) - 6020B - Total	**8.48**	**7.75**	YES	0.457	**0.914**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.40**	**0.369**	YES	0.0914	**0.183**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**61.03**	**55.8**	YES	0.457	**0.914**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**80.62**	**73.7**	YES	0.914	**1.83**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**622.08**	**569**	YES	0.457	**0.914**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**64.68**	**59.1**	YES	0.0914	**0.183**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**104.91**	**95.9**	YES	0.914	**1.83**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**178.14**	**163**	YES	1.83	**3.66**	mg/kg	5	
A1E0079-16									
Arsenic	As (Arsenic) - 6020B - Total	**10.70**	**12.6**	YES	0.591	**1.18**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.40**	**0.469**	YES	0.118	**0.236**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**84.98**	**100**	YES	0.591	**1.18**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**294.87**	**348**	YES	1.18	**2.36**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**214.99**	**254**	YES	0.591	**1.18**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**57.88**	**68.4**	YES	1.18	**2.36**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**208.92**	**247**	YES	2.36	**4.73**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0079-17									
Arsenic	As (Arsenic) - 6020B - Total	**9.23**	**7.70**	YES	0.417	**0.834**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.14	0.120	YES	0.0834	0.167	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**41.09**	**34.3**	YES	0.417	**0.834**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**115.57**	**96.4**	YES	0.834	**1.67**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**147.31**	**123**	YES	0.417	**0.834**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**178.28**	**149**	YES	0.0834	**0.167**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**55.86**	**46.6**	YES	0.834	**1.67**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**132.97**	**111**	YES	1.67	**3.34**	mg/kg	5	
A1E0100-06									
Arsenic	As (Arsenic) - 6020B - Total	**4.03**	**3.11**	YES	0.386	**0.772**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.36**	**0.276**	YES	0.0772	**0.154**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**27.68**	**21.4**	YES	0.386	**0.772**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**43.94**	**33.9**	YES	0.772	**1.54**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**427.32**	**330**	YES	0.386	**0.772**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**43.78**	**33.8**	YES	0.0772	**0.154**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**90.92**	**70.2**	YES	0.772	**1.54**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**130.76**	**101**	YES	1.54	**3.09**	mg/kg	5	
A1E0100-07									
Arsenic	As (Arsenic) - 6020B - Total	**5.21**	**4.25**	YES	0.408	**0.816**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.24**	**0.197**	YES	0.0816	**0.163**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.62**	**27.4**	YES	0.408	**0.816**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**48.55**	**39.6**	YES	0.816	**1.63**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**736.66**	**601**	YES	0.408	**0.816**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**24.86**	**20.3**	YES	0.0816	**0.163**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**111.78**	**91.2**	YES	0.816	**1.63**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**107.97**	**88.1**	YES	1.63	**3.26**	mg/kg	5	
A1E0100-08									
Arsenic	As (Arsenic) - 6020B - Total	**5.46**	**4.39**	YES	0.402	**0.803**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.24**	**0.196**	YES	0.0803	**0.161**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**34.64**	**27.8**	YES	0.402	**0.803**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**48.79**	**39.2**	YES	0.803	**1.61**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**779.26**	**626**	YES	0.402	**0.803**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**25.22**	**20.3**	YES	0.0803	**0.161**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**110.46**	**88.7**	YES	0.803	**1.61**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**114.83**	**92.2**	YES	1.61	**3.21**	mg/kg	5	
A1E0100-13									
Arsenic	As (Arsenic) - 6020B - Total	**3.94**	**4.01**	YES	0.509	**1.02**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.21**	**0.212**	YES	0.102	**0.204**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**27.05**	**27.5**	YES	0.509	**1.02**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**39.03**	**39.7**	YES	1.02	**2.04**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**451.93**	**460**	YES	0.509	**1.02**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**11.73**	**11.9**	YES	0.102	**0.204**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**81.12**	**82.5**	YES	1.02	**2.04**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**96.11**	**97.8**	YES	2.04	**4.07**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0100-14									
Arsenic	As (Arsenic) - 6020B - Total	**5.30**	**4.74**	YES	0.448	**0.895**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.26**	**0.232**	YES	0.0895	**0.179**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**28.94**	**25.9**	YES	0.448	**0.895**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**46.31**	**41.5**	YES	0.895	**1.79**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**655.80**	**587**	YES	0.448	**0.895**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**40.87**	**36.6**	YES	0.0895	**0.179**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**90.52**	**81.0**	YES	0.895	**1.79**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**130.96**	**117**	YES	1.79	**3.58**	mg/kg	5	
A1E0100-19									
Arsenic	As (Arsenic) - 6020B - Total	**3.82**	**4.25**	YES	0.556	**1.11**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.18	0.200	YES	0.111	0.222	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**22.97**	**25.5**	YES	0.556	**1.11**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**35.30**	**39.3**	YES	1.11	**2.22**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**518.40**	**576**	YES	0.556	**1.11**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**10.08**	**11.2**	YES	0.111	**0.222**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**70.81**	**78.7**	YES	1.11	**2.22**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**80.87**	**89.9**	YES	2.22	**4.45**	mg/kg	5	
A1E0100-20									
Arsenic	As (Arsenic) - 6020B - Total	**4.53**	**4.19**	YES	0.463	**0.925**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.26**	**0.240**	YES	0.0925	**0.185**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**26.96**	**24.9**	YES	0.463	**0.925**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**43.36**	**40.1**	YES	0.925	**1.85**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**623.00**	**576**	YES	0.463	**0.925**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**14.28**	**13.2**	YES	0.0925	**0.185**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**86.93**	**80.4**	YES	0.925	**1.85**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**95.72**	**88.6**	YES	1.85	**3.70**	mg/kg	5	
A1E0100-21									
Arsenic	As (Arsenic) - 6020B - Total	**5.75**	**5.32**	YES	0.463	**0.926**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.34**	**0.312**	YES	0.0926	**0.185**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.48**	**31.0**	YES	0.463	**0.926**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**61.39**	**56.8**	YES	0.926	**1.85**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**855.95**	**792**	YES	0.463	**0.926**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**25.23**	**23.4**	YES	0.0926	**0.185**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**97.63**	**90.4**	YES	0.926	**1.85**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**147.06**	**136**	YES	1.85	**3.70**	mg/kg	5	
A1E0100-23									
Arsenic	As (Arsenic) - 6020B - Total	**5.51**	**4.57**	YES	0.415	**0.830**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.39**	**0.320**	YES	0.0830	**0.166**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.96**	**28.2**	YES	0.415	**0.830**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**54.11**	**44.9**	YES	0.830	**1.66**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**844.37**	**701**	YES	0.415	**0.830**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**44.42**	**36.9**	YES	0.0830	**0.166**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**114.03**	**94.6**	YES	0.830	**1.66**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**224.40**	**186**	YES	1.66	**3.32**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0100-24									
Arsenic	As (Arsenic) - 6020B - Total	**4.55**	**4.09**	YES	0.450	**0.900**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.23**	**0.210**	YES	0.0900	**0.180**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**29.03**	**26.1**	YES	0.450	**0.900**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**44.02**	**39.6**	YES	0.900	**1.80**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**658.15**	**593**	YES	0.450	**0.900**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**15.55**	**14.0**	YES	0.0900	**0.180**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**90.35**	**81.4**	YES	0.900	**1.80**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**100.37**	**90.4**	YES	1.80	**3.60**	mg/kg	5	
A1E0100-27									
Arsenic	As (Arsenic) - 6020B - Total	**4.09**	**4.14**	YES	0.507	**1.01**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.20**	**0.206**	YES	0.101	**0.203**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**26.52**	**26.9**	YES	0.507	**1.01**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**40.39**	**41.0**	YES	1.01	**2.03**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**511.15**	**518**	YES	0.507	**1.01**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**12.87**	**13.1**	YES	0.101	**0.203**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**81.98**	**83.1**	YES	1.01	**2.03**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**88.16**	**89.4**	YES	2.03	**4.06**	mg/kg	5	
A1E0100-28									
Arsenic	As (Arsenic) - 6020B - Total	**5.21**	**4.89**	YES	0.469	**0.938**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.25**	**0.234**	YES	0.0938	**0.188**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.55**	**31.5**	YES	0.469	**0.938**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**50.15**	**47.0**	YES	0.938	**1.88**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**727.72**	**683**	YES	0.469	**0.938**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**28.37**	**26.6**	YES	0.0938	**0.188**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**99.67**	**93.5**	YES	0.938	**1.88**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**114.27**	**107**	YES	1.88	**3.75**	mg/kg	5	
A1E0100-29									
Arsenic	As (Arsenic) - 6020B - Total	**5.27**	**4.60**	YES	0.436	**0.873**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.35**	**0.304**	YES	0.0873	**0.175**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.72**	**29.4**	YES	0.436	**0.873**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**54.85**	**47.9**	YES	0.873	**1.75**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**842.29**	**735**	YES	0.436	**0.873**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**34.15**	**29.8**	YES	0.0873	**0.175**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**105.22**	**91.8**	YES	0.873	**1.75**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**131.44**	**115**	YES	1.75	**3.49**	mg/kg	5	
A1E0100-30									
Arsenic	As (Arsenic) - 6020B - Total	**5.48**	**4.87**	YES	0.444	**0.888**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.34**	**0.301**	YES	0.0888	**0.178**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**30.55**	**27.1**	YES	0.444	**0.888**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**51.04**	**45.3**	YES	0.888	**1.78**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**685.48**	**609**	YES	0.444	**0.888**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**31.01**	**27.5**	YES	0.0888	**0.178**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**106.18**	**94.3**	YES	0.888	**1.78**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**177.52**	**158**	YES	1.78	**3.55**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0100-22									
Arsenic	As (Arsenic) - 6020B - Total	**5.39**	**4.48**	YES	0.415	**0.830**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.33**	**0.272**	YES	0.0830	**0.166**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**37.86**	**31.4**	YES	0.415	**0.830**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**55.07**	**45.7**	YES	0.830	**1.66**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**946.75**	**786**	YES	0.415	**0.830**	mg/kg	5	Q-42
Lead	Pb (Lead) - 6020B - Total	**35.24**	**29.2**	YES	0.0830	**0.166**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**107.04**	**88.8**	YES	0.830	**1.66**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**144.99**	**120**	YES	1.66	**3.32**	mg/kg	5	
A1E0100-31									
Arsenic	As (Arsenic) - 6020B - Total	**4.66**	**3.91**	YES	0.419	**0.839**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.28**	**0.233**	YES	0.0839	**0.168**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**32.67**	**27.4**	YES	0.419	**0.839**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**49.32**	**41.4**	YES	0.839	**1.68**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**587.06**	**492**	YES	0.419	**0.839**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**28.35**	**23.8**	YES	0.0839	**0.168**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**103.87**	**87.1**	YES	0.839	**1.68**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**153.80**	**129**	YES	1.68	**3.35**	mg/kg	5	
A1E0174-03									
Arsenic	As (Arsenic) - 6020B - Total	**4.18**	**4.30**	YES	0.514	**1.03**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.17	0.170	YES	0.103	0.206	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**27.06**	**27.8**	YES	0.514	**1.03**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**36.73**	**37.8**	YES	1.03	**2.06**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**631.60**	**649**	YES	0.514	**1.03**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**10.84**	**11.1**	YES	0.103	**0.206**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**80.38**	**82.7**	YES	1.03	**2.06**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**84.37**	**86.8**	YES	2.06	**4.11**	mg/kg	5	
A1E0174-04									
Arsenic	As (Arsenic) - 6020B - Total	**4.79**	**4.62**	YES	0.483	**0.966**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.23**	**0.221**	YES	0.0966	**0.193**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**28.71**	**27.7**	YES	0.483	**0.966**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**46.66**	**45.1**	YES	0.966	**1.93**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**784.45**	**757**	YES	0.483	**0.966**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**17.60**	**17.0**	YES	0.0966	**0.193**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**86.62**	**83.6**	YES	0.966	**1.93**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**99.71**	**96.3**	YES	1.93	**3.86**	mg/kg	5	
A1E0174-05									
Arsenic	As (Arsenic) - 6020B - Total	**5.50**	**5.16**	YES	0.469	**0.937**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.35**	**0.332**	YES	0.0937	**0.187**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.26**	**31.2**	YES	0.469	**0.937**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**53.80**	**50.4**	YES	0.937	**1.87**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**1,044.79**	**979**	YES	0.469	**0.937**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**26.95**	**25.3**	YES	0.0937	**0.187**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**98.98**	**92.8**	YES	0.937	**1.87**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**128.63**	**121**	YES	1.87	**3.75**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0174-06									
Arsenic	As (Arsenic) - 6020B - Total	**5.79**	**5.18**	YES	0.447	**0.894**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.43**	**0.381**	YES	0.0894	**0.179**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**35.04**	**31.3**	YES	0.447	**0.894**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**55.90**	**49.9**	YES	0.894	**1.79**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**1,220.91**	**1090**	YES	0.447	**0.894**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**35.69**	**31.9**	YES	0.0894	**0.179**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**115.23**	**103**	YES	0.894	**1.79**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**160.66**	**144**	YES	1.79	**3.57**	mg/kg	5	
A1E0174-07									
Arsenic	As (Arsenic) - 6020B - Total	**7.09**	**6.02**	YES	0.424	**0.849**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.44**	**0.373**	YES	0.0849	**0.170**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**43.89**	**37.2**	YES	0.424	**0.849**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**64.47**	**54.7**	YES	0.849	**1.70**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**1,016.79**	**863**	YES	0.424	**0.849**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**33.34**	**28.3**	YES	0.0849	**0.170**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**134.56**	**114**	YES	0.849	**1.70**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**210.86**	**179**	YES	1.70	**3.39**	mg/kg	5	
A1E0180-04									
Arsenic	As (Arsenic) - 6020B - Total	**4.37**	**4.12**	YES	0.472	**0.943**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.22**	**0.209**	YES	0.0943	**0.189**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**27.13**	**25.6**	YES	0.472	**0.943**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**42.42**	**40.0**	YES	0.943	**1.89**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**581.46**	**548**	YES	0.472	**0.943**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**12.80**	**12.1**	YES	0.0943	**0.189**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**88.04**	**83.0**	YES	0.943	**1.89**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**92.37**	**87.1**	YES	1.89	**3.77**	mg/kg	5	
A1E0180-05									
Arsenic	As (Arsenic) - 6020B - Total	**5.61**	**5.19**	YES	0.463	**0.926**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.60**	**0.556**	YES	0.0926	**0.185**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**49.77**	**46.1**	YES	0.463	**0.926**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**52.65**	**48.7**	YES	0.926	**1.85**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**662.94**	**614**	YES	0.463	**0.926**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**71.01**	**65.7**	YES	0.0926	**0.185**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**108.56**	**100**	YES	0.926	**1.85**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**193.86**	**179**	YES	1.85	**3.70**	mg/kg	5	
A1E0180-06									
Arsenic	As (Arsenic) - 6020B - Total	**5.48**	**4.93**	YES	0.450	**0.900**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.52**	**0.471**	YES	0.0900	**0.180**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.33**	**30.0**	YES	0.450	**0.900**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**54.88**	**49.4**	YES	0.900	**1.80**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**653.61**	**588**	YES	0.450	**0.900**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**29.58**	**26.6**	YES	0.0900	**0.180**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**107.89**	**97.1**	YES	0.900	**1.80**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**158.88**	**143**	YES	1.80	**3.60**	mg/kg	5	

SEQUENCE REVIEW SHEET

SEQUENCE: **1E13059** INSTRUMENT: **ICPMS6** **Seq. Date: 05/14/2021**

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0180-09									
Arsenic	As (Arsenic) - 6020B - Total	**4.21**	**4.05**	YES	0.480	**0.960**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.20**	**0.192**	YES	0.0960	0.192	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**28.34**	**27.2**	YES	0.480	**0.960**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**40.78**	**39.1**	YES	0.960	**1.92**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**529.61**	**508**	YES	0.480	**0.960**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**13.05**	**12.5**	YES	0.0960	**0.192**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**86.14**	**82.7**	YES	0.960	**1.92**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**92.75**	**89.0**	YES	1.92	**3.84**	mg/kg	5	
A1E0180-10									
Arsenic	As (Arsenic) - 6020B - Total	**4.70**	**4.42**	YES	0.470	**0.940**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.23**	**0.212**	YES	0.0940	**0.188**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**29.15**	**27.4**	YES	0.470	**0.940**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**45.88**	**43.1**	YES	0.940	**1.88**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**706.84**	**664**	YES	0.470	**0.940**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**16.36**	**15.4**	YES	0.0940	**0.188**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**93.80**	**88.2**	YES	0.940	**1.88**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**98.88**	**92.9**	YES	1.88	**3.76**	mg/kg	5	
A1E0180-11									
Arsenic	As (Arsenic) - 6020B - Total	**4.88**	**4.16**	YES	0.426	**0.852**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.30**	**0.252**	YES	0.0852	**0.170**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**30.83**	**26.3**	YES	0.426	**0.852**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**48.96**	**41.7**	YES	0.852	**1.70**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**920.74**	**784**	YES	0.426	**0.852**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**30.76**	**26.2**	YES	0.0852	**0.170**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**102.59**	**87.4**	YES	0.852	**1.70**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**134.48**	**115**	YES	1.70	**3.41**	mg/kg	5	
A1E0180-12									
Arsenic	As (Arsenic) - 6020B - Total	**5.79**	**5.17**	YES	0.446	**0.893**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.40**	**0.354**	YES	0.0893	**0.179**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**34.35**	**30.7**	YES	0.446	**0.893**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**54.63**	**48.8**	YES	0.893	**1.79**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**821.79**	**734**	YES	0.446	**0.893**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**36.54**	**32.6**	YES	0.0893	**0.179**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**111.68**	**99.7**	YES	0.893	**1.79**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**215.91**	**193**	YES	1.79	**3.57**	mg/kg	5	
A1E0180-15									
Arsenic	As (Arsenic) - 6020B - Total	**3.71**	**4.31**	YES	0.581	**1.16**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.17	0.198	YES	0.116	0.232	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**23.83**	**27.7**	YES	0.581	**1.16**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**34.82**	**40.5**	YES	1.16	**2.32**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**430.23**	**500**	YES	0.581	**1.16**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**10.04**	**11.7**	YES	0.116	**0.232**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**71.34**	**82.9**	YES	1.16	**2.32**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**82.41**	**95.8**	YES	2.32	**4.65**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0180-16									
Arsenic	As (Arsenic) - 6020B - Total	**4.52**	**4.62**	YES	0.511	**1.02**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.19	0.199	YES	0.102	0.204	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**27.94**	**28.5**	YES	0.511	**1.02**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**42.11**	**43.0**	YES	1.02	**2.04**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**577.20**	**590**	YES	0.511	**1.02**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**12.35**	**12.6**	YES	0.102	**0.204**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**85.95**	**87.8**	YES	1.02	**2.04**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**91.20**	**93.2**	YES	2.04	**4.09**	mg/kg	5	
A1E0180-17									
Arsenic	As (Arsenic) - 6020B - Total	**5.10**	**4.65**	YES	0.456	**0.912**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.23**	**0.211**	YES	0.0912	**0.182**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**31.82**	**29.0**	YES	0.456	**0.912**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**48.57**	**44.3**	YES	0.912	**1.82**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**769.29**	**701**	YES	0.456	**0.912**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**15.35**	**14.0**	YES	0.0912	**0.182**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**100.36**	**91.5**	YES	0.912	**1.82**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**99.27**	**90.5**	YES	1.82	**3.65**	mg/kg	5	
A1E0180-18									
Arsenic	As (Arsenic) - 6020B - Total	**5.74**	**5.04**	YES	0.438	**0.877**	mg/kg	5	A-01
Cadmium	Cd (Cadmium) - 6020B - Total	**0.39**	**0.339**	YES	0.0877	**0.175**	mg/kg	5	A-01
Chromium	Cr (Chromium) - 6020B - Total	**35.83**	**31.4**	YES	0.438	**0.877**	mg/kg	5	A-01
Copper	Cu (Copper) - 6020B - Total	**56.54**	**49.6**	YES	0.877	**1.75**	mg/kg	5	Q-14
Manganese	Mn (Manganese) - 6020B - Total	**845.12**	**741**	YES	0.438	**0.877**	mg/kg	5	A-01
Lead	Pb (Lead) - 6020B - Total	**33.36**	**29.2**	YES	0.0877	**0.175**	mg/kg	5	A-01
Vanadium	V (Vanadium) - 6020B - Total	**111.96**	**98.2**	YES	0.877	**1.75**	mg/kg	5	A-01
Zinc	Zn (Zinc) - 6020B - Total	**144.84**	**127**	YES	1.75	**3.51**	mg/kg	5	A-01
A1E0180-19									
Arsenic	As (Arsenic) - 6020B - Total	**5.89**	**5.13**	YES	0.435	**0.870**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.50**	**0.433**	YES	0.0870	**0.174**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**35.05**	**30.5**	YES	0.435	**0.870**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**60.75**	**52.8**	YES	0.870	**1.74**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**602.62**	**524**	YES	0.435	**0.870**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**51.48**	**44.8**	YES	0.0870	**0.174**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**108.70**	**94.5**	YES	0.870	**1.74**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**283.00**	**246**	YES	1.74	**3.48**	mg/kg	5	
A1E0180-22									
Arsenic	As (Arsenic) - 6020B - Total	**4.61**	**5.11**	YES	0.554	**1.11**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.19	0.214	YES	0.111	0.221	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**27.64**	**30.6**	YES	0.554	**1.11**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**40.31**	**44.6**	YES	1.11	**2.21**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**672.28**	**744**	YES	0.554	**1.11**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**11.04**	**12.2**	YES	0.111	**0.221**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**85.81**	**95.0**	YES	1.11	**2.21**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**91.52**	**101**	YES	2.21	**4.43**	mg/kg	5	
A1E0219-01									
	No Hits Found								
A1E0219-02									
	No Hits Found								
A1E0339-01									
Iron	Fe (Iron) - 6020B - Total	**100.13**	**111**	YES	25.0	**50.0**	ug/L	1	

SEQUENCE REVIEW SHEET

SEQUENCE: **1E13059** INSTRUMENT: **ICPMS6** **Seq. Date: 05/14/2021**

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1E0418-01									
Arsenic	As (Arsenic) - 6020B - Total	**1.02**	**1.14**	YES	0.500	**1.00**	ug/L	1	
Barium	Ba (Barium) - 6020B - Total	**12.46**	**13.8**	YES	0.500	**1.00**	ug/L	1	
Chromium	Cr (Chromium) - 6020B - Total	**1.09**	**1.21**	YES	0.500	**1.00**	ug/L	1	
Copper	Cu (Copper) - 6020B - Total	**13.25**	**14.7**	YES	1.00	**2.00**	ug/L	1	
Iron	Fe (Iron) - 6020B - Total	**15,080.26**	**16800**	YES	25.0	**50.0**	ug/L	1	
Manganese	Mn (Manganese) - 6020B - Total	**2,008.99**	**2230**	YES	0.500	**1.00**	ug/L	1	Q-42
Lead	Pb (Lead) - 6020B - Total	**0.77**	**0.852**	YES	0.100	**0.200**	ug/L	1	
Vanadium	V (Vanadium) - 6020B - Total	**2.21**	**2.46**	YES	1.00	**2.00**	ug/L	1	
Zinc	Zn (Zinc) - 6020B - Total	**381.09**	**423**	YES	2.00	**4.00**	ug/L	1	
A1E0418-02									
No Hits Found									
A1E0418-03									
No Hits Found									

ANALYTE QUALIFIERS

A1E0079-05	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-42		YES
1050446-MSD1	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-03		YES
A1E0100-22	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-42		YES
1050475-MS1	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-03		YES
1050475-MSD1	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-03		YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Arsenic	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Cadmium	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Chromium	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Copper	Q-14	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Lead	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Vanadium	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
A1E0180-18	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Zinc	A-01	Reprepped using B container per analyst discretion due to comments on E contanier.	YES
1050469-BLK1	**2 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Zinc	A-01	Rerun to confirm before reporting samples.	YES
Copper	A-01	Rerun to confirm before reporting samples.	YES
A1E0418-01	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-42		YES
1050469-MS1	**2 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Copper	Q-41		YES
Manganese	Q-03		YES
1E13059-CCV7			
Analyte	*Qualifier*	Text	
Copper	Q-41		

SAMPLE QUALIFIERS

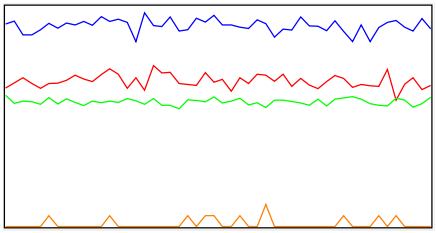
Analyte	Qualifier	CustomValue

Tune Report

Operator Name	ICPMS Analyst
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\1E13058_200.8.b
Acq. Date-Time	05/13/2021 16:22:28
Report Comment	1E13058 and 1E13059 Tune Report Std ID A21E051
Instrument Name	ICPMS6 JP17412047

[No Gas]

Sensitivity



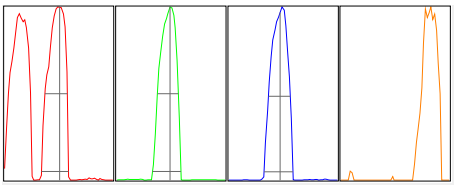
Mass	Range	Count	RSD%	Background
7	1000	659	4.592	1.500
89	5000	2830	2.513	0.200
205	2000	1821	3.276	0.700
102	20	0	211.214	0.400

Sampling Period [sec]	0.413
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.297 %
Doubly Charged	69 / 138 1.737 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-5%
7	636.16	7.05	0.62	0.743
89	2846.46	89.00	0.57	0.765
205	1768.26	204.95	0.60	0.786
102				

Integration Time [sec]	0.1
Acquisition Time [sec]	30.12
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	—	Nebulizer Gas	0.97 L/min	Makeup Gas	0.10 L/min
RF Power	1550 W	Option Gas	—	Auxiliary Gas	0.90 L/min
RF Matching	1.92 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	6.4 V	Deflect	17.8 V
Extract 2	-250.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-120 V	Cell Exit	-70 V		

Cell Parameters

Tune Report

Use Gas	No	3rd Gas Flow	—	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	—	OctP RF	180 V		
QP Parameters					
Mass Gain	128	Axis Gain	0.9994	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	-0.04		
Hardware Settings					
Torch					
Torch H	-1.1 mm	Torch V	-0.1 mm		
EM					
Discriminator	5.9 mV	Analog HV	2295 V	Pulse HV	1573 V

US EPA Tune Check Report

Operator Name	ICPMS Analyst
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\1E13058_200.8.b
Acq. Date-Time	05/13/2021 16:30:51
Report Comment	1E13058 and 1E13059 Tune Report Std ID A21E051
Instrument Name	ICPMS6 JP17412047

Response CPS is a guideline.
JPB 05/14/21

[No Gas]

Sensitivity

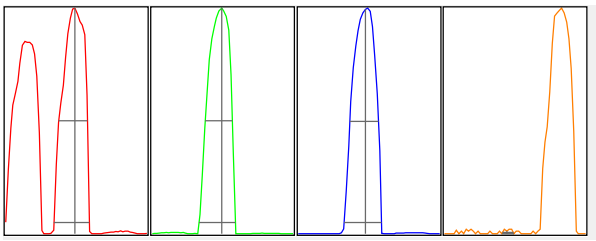
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
7	1.00	359	3594.01	5000.00	Fail	1.055	5.000
89	1.00	1493	14925.18	10000.00		0.668	5.000
205	1.00	980	9803.39	10000.00	Fail	0.745	5.000
102		0	1.20			37.268	

Mass	RSD% (Flag)
7	
89	
205	
102	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
7	364	360	361	353	359
89	1504	1478	1499	1489	1491
205	973	983	991	974	980
102	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
7	636.50	7.00	6.90 - 7.10	
89	2721.01	89.00	88.90 - 89.10	
205	1713.64	204.95	204.90 - 205.10	
102	0.20	101.85	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
7	0.61	0.741	0.900	
89	0.57	0.764	0.900	
205	0.60	0.785	0.900	

US EPA Tune Check Report

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
102	0.23	0.248		

Integration Time [sec]	0.1
Acquisition Time [sec]	135.3
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	—	Nebulizer Gas	0.97 L/min	Makeup Gas	0.10 L/min
RF Power	1550 W	Option Gas	—	Auxiliary Gas	0.90 L/min
RF Matching	1.92 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	6.4 V	Deflect	17.8 V
Extract 2	-250.0 V	Cell Entrance	-40 V	Plate Bias	-50 V
Omega Bias	-120 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	—	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	—	OctP RF	180 V		

QP Parameters

Mass Gain	128	Axis Gain	0.9994	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	-0.04		

Hardware Settings

Torch

Torch H	-1.1 mm	Torch V	-0.1 mm

EM

Discriminator	5.9 mV	Analog HV	2295 V	Pulse HV	1573 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59	1.00	421	4211.03	1000.00		2.500	5.000
89	1.00	232	2323.05	2000.00		3.369	5.000
205	1.00	366	3663.45	1000.00		1.857	5.000
75		1	12.00			23.385	

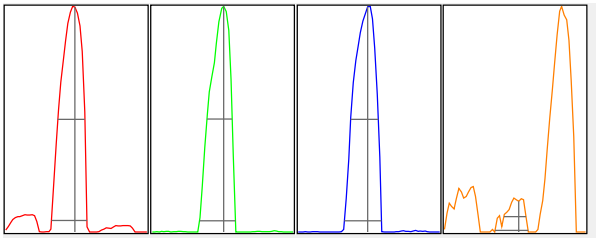
Mass	RSD% (Flag)
59	
89	
205	
75	

US EPA Tune Check Report

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	414	416	412	435	429
89	226	222	235	236	242
205	363	368	358	367	376
75	1	1	1	1	2

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
59	778.62	59.00	58.90 - 59.10	
89	466.79	89.05	88.90 - 89.10	
205	675.29	205.00	204.90 - 205.10	
75	2.25	75.10	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.57	0.738	0.900	
89	0.53	0.754	0.900	
205	0.57	0.779	0.900	
75	0.46	0.690		

Integration Time [sec] 0.1
Acquisition Time [sec] 134.8
Y Axis Linear

Tune Parameters

Plasma Parameters

Plasma Mode	—	Nebulizer Gas	0.97 L/min	Makeup Gas	0.10 L/min
RF Power	1550 W	Option Gas	—	Auxiliary Gas	0.90 L/min
RF Matching	1.92 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	6.4 V	Deflect	2.0 V
Extract 2	-250.0 V	Cell Entrance	-40 V	Plate Bias	-75 V
Omega Bias	-120 V	Cell Exit	-70 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	—	Energy Discrimination	5.0 V
He Flow	3.8 mL/min	OctP Bias	-18.0 V		
H2 Flow	—	OctP RF	180 V		

QP Parameters

US EPA Tune Check Report

Mass Gain	128	Axis Gain	0.9994	QP Bias	-13.0 V
Mass Offset	125	Axis Offset	-0.04		

Hardware Settings

Torch

Torch H	-1.1 mm	Torch V	-0.1 mm		

EM

Discriminator	5.9 mV	Analog HV	2295 V	Pulse HV	1573 V

[HEHe]

Sensitivity

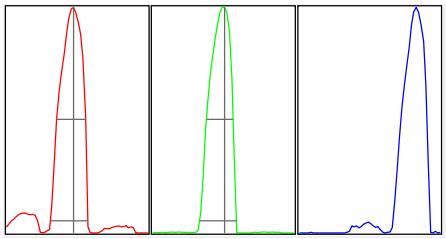
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59	1.00	434	4344.76	1000.00		1.157	5.000
89	1.00	337	3373.79	2000.00		0.916	5.000
78		2	21.90			21.502	

Mass	RSD% (Flag)
59	
89	
78	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	431	442	429	436	435
89	336	339	334	336	342
78	3	1	2	2	2

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
59	781.92	58.95	58.90 - 59.10	
89	637.06	89.05	88.90 - 89.10	
78			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.60	0.779	0.900	
89	0.56	0.762	0.900	
78				

Integration Time [sec] 0.1

Acquisition Time [sec] 100.35

US EPA Tune Check Report

Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	—	Nebulizer Gas	0.97 L/min	Makeup Gas	0.10 L/min
RF Power	1550 W	Option Gas	—	Auxiliary Gas	0.90 L/min
RF Matching	1.92 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	6.4 V	Deflect	-80.0 V
Extract 2	-250.0 V	Cell Entrance	-130 V	Plate Bias	-150 V
Omega Bias	-120 V	Cell Exit	-150 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	—	Energy Discrimination	4.0 V
He Flow	10.0 mL/min	OctP Bias	-100.0 V		
H2 Flow	—	OctP RF	180 V		

QP Parameters

Mass Gain	128	Axis Gain	0.9994	QP Bias	-96.0 V
Mass Offset	125	Axis Offset	-0.04		

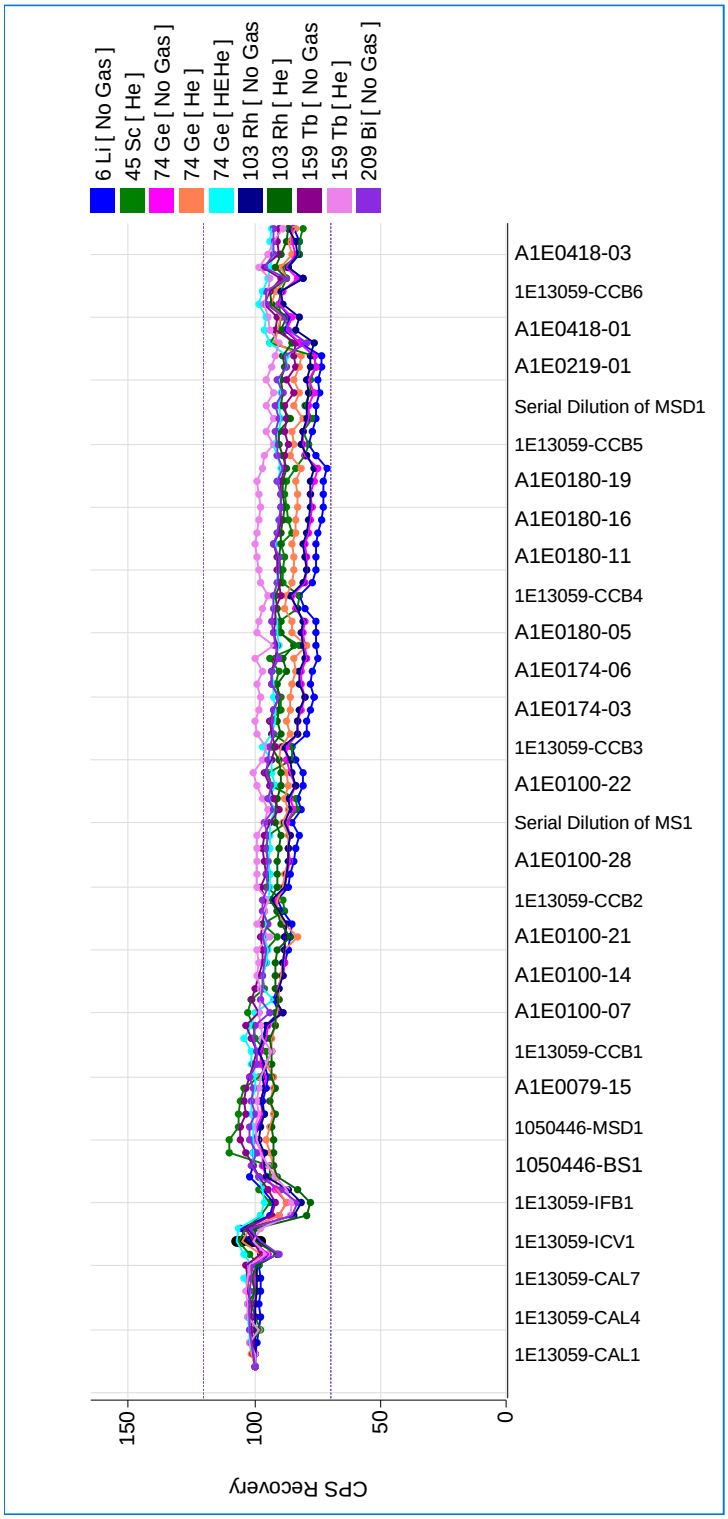
Hardware Settings

Torch

Torch H	-1.1 mm	Torch V	-0.1 mm

EM

Discriminator	5.9 mV	Analog HV	2295 V	Pulse HV	1573 V


6 Li [No Gas]
45 Sc [He]
74 Ge [No Gas]
74 Ge [He]
74 Ge [HEHe]
103 Rh [No Gas
103 Rh [He]
159 Tb [No Gas
159 Tb [He]
209 Bi [No Gas]
A1E0418-03
1E13059-CCB6
A1E0418-01
A1E0219-01
Serial Dilution of MSD1
1E13059-CCB5
A1E0180-19
A1E0180-16
A1E0180-11
1E13059-CCB4
A1E0180-05
A1E0174-06
A1E0174-03
1E13059-CCB3
A1E0100-22
Serial Dilution of MS1
A1E0100-28
1E13059-CCB2
A1E0100-21
A1E0100-14
A1E0100-07
1E13059-CCB1
A1E0079-15
1050446-MSD1
1050446-BS1
1E13059-IFB1
1E13059-ICV1
1E13059-CAL7
1E13059-CAL4
1E13059-CAL1
150
100
50
0
CPS Recovery

P/A Factor Tuning Report

```
=================== Current Sample ====================
 Sample Name:    1E13059-ICV1
   Data File:    013_ICV.d
    Acquired:    05/13/2021 23:00:49

========= Detector Parameters and P/A Factors =========
  Discriminator:    5.9 mV
       AnalogHV:   2295 V
        PulseHV:   1573 V

       Acquired: 05/13/2021 17:41:52
```

Mass[u]	Element	P/A Factor
23	Na	0.108855
24	Mg	0.111457
27	Al	0.115378
39	K	0.121215
44	Ca	0.120168
45	Sc	0.116842
47	Ti	0.117019
51	V	0.118159
52	Cr	0.120555
55	Mn	0.122146
56	Fe	0.130093
59	Co	0.125995
60	Ni	0.125420
65	Cu	0.126179
66	Zn	0.135554
74	Ge	0.125343
75	As	0.129297
95	Mo	0.129386
103	Rh	0.127031
109	Ag	0.130216
111	Cd	0.135779
123	Sb	0.135472
138	Ba	0.139047
159	Tb	0.130864
186	W	0.131572
205	Tl	0.142497
206	[Pb]	0.142106
207	[Pb]	0.141894
208	Pb	0.145530
209	Bi	0.134422
6	Li	Signal too low
7	[Li]	Signal too low
9	Be	Signal too low
78	Se	Signal too low
106	[Cd]	Signal too low

108	[Cd]	Signal too low
201	Hg	Signal too low

=== Independent Detector Parameters and P/A Factors ===

Tune Mode Name: No Gas
Discriminator: 5.9 mV
AnalogHV: 2295 V
PulseHV: 1573 V

Acquired: 05/13/2021 22:50:59

Mass[u]	Element	P/A Factor
65	Cu	0.115899
74	Ge	0.114590
103	Rh	0.115765
109	Ag	0.117749
111	Cd	0.114928
123	Sb	0.117820
159	Tb	0.116962
186	W	0.116875
205	Tl	0.118394
206	[Pb]	0.117836
207	[Pb]	0.118513
208	Pb	0.119456
209	Bi	0.117801
6	Li	Signal too low
7	[Li]	Signal too low
9	Be	Signal too low
106	[Cd]	Signal too low
108	[Cd]	Signal too low
201	Hg	Signal too low

Tune Mode Name: He
Discriminator: 5.9 mV
AnalogHV: 2295 V
PulseHV: 1573 V

Acquired: 05/13/2021 22:56:48

Mass[u]	Element	P/A Factor
23	Na	0.105189
24	Mg	0.107214
27	Al	0.107737
39	K	0.111157
44	Ca	0.110931
51	V	0.113170
52	Cr	0.114238
55	Mn	0.112710
56	Fe	0.112929

59	Co	0.113575
60	Ni	0.112610
65	Cu	0.111761
66	Zn	0.111240
138	Ba	0.115148
45	Sc	Signal too low
47	Ti	Signal too low
74	Ge	Signal too low
75	As	Signal too low
95	Mo	Signal too low
103	Rh	Signal too low
111	Cd	Signal too low
159	Tb	Signal too low

Tune Mode Name: HEHe
Discriminator: 5.9 mV
AnalogHV: 2295 V
PulseHV: 1573 V

Acquired: 10/19/2020 12:42:04

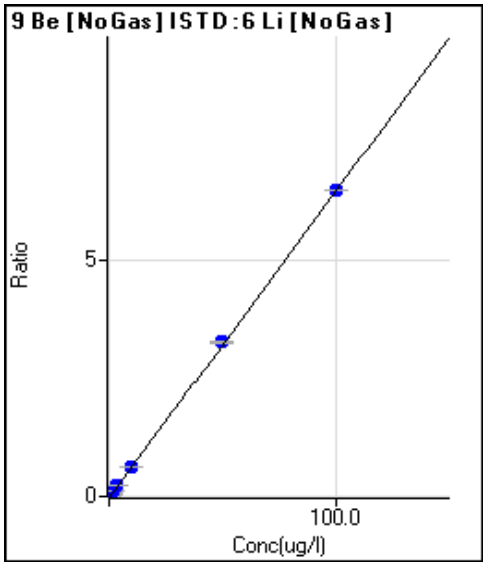
Mass[u] Element P/A Factor
(P/A factors could not be measured.)

Created: 05/14/2021 16:56:41

Calibration for 018SMPL.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\1E13059_6020.b\
Analysis File: 1E13059_6020.batch.bin
DA Date-Time: 05/14/2021 11:43:55
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

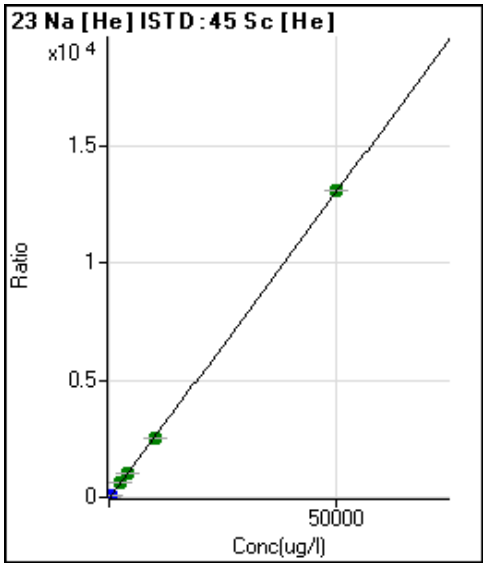
Level	Standard Data File	Sample Name	Acq. Date-Time
1	003CALB.d	1E13059-CAL0	05/13/2021 22:10:29
2	004CALS.d	1E13059-CAL1	05/13/2021 22:15:34
3	005CALS.d	1E13059-CAL2	05/13/2021 22:20:38
4	006CALS.d	1E13059-CAL3	05/13/2021 22:25:42
5	007CALS.d	1E13059-CAL4	05/13/2021 22:30:46
6	008CALS.d	1E13059-CAL5	05/13/2021 22:35:50
7	009CALS.d	1E13059-CAL6	05/13/2021 22:40:54
8	010CALS.d	1E13059-CAL7	05/13/2021 22:45:57
9	011CALS.d	1E13059-CAL8	05/13/2021 22:50:55
10	012CALS.d	1E13059-CAL9	05/13/2021 22:55:51



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8	0.00	P	24.5	
2	☐	0.180	0.192	302	0.01	P	19.5	6.5
3	☐	0.900	0.915	1,406	0.06	P	5.2	1.6
4	☐	1.800	1.830	2,781	0.12	P	4.4	1.7
5	☐	3.600	3.715	5,610	0.24	P	2.8	3.2
6	☐	10.000	9.834	14,923	0.64	P	1.7	-1.7
7	☐	50.000	50.372	75,755	3.28	P	0.8	0.7
8	☐	100.000	99.826	150,402	6.50	P	0.5	-0.2
9	☐			62	0.00	P	6.3	
10	☐			40	0.00	P	30.7	

y = 0.0651 * x + 3.2765E-004
R = 1.0000
%RSE = 3.5
DL = 0.0037 ug/l
BEC = 0.005031 ug/l

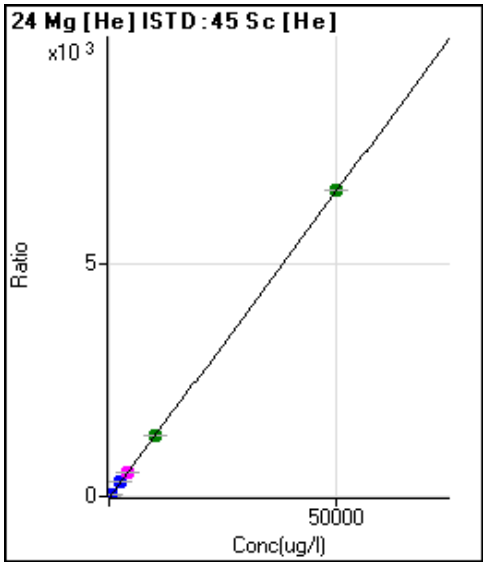
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9,694	4.98	P	2.3	
2	☐			12,804	6.55	P	3.0	
3	☐	45.000	41.691	31,252	15.87	P	1.3	-7.4
4	☐	90.000	88.971	53,410	28.22	P	5.3	-1.1
5	☐	180.000	175.083	98,449	50.71	P	1.4	-2.7
6	☐	400.000	396.080	213,101	108.44	P	1.8	-1.0
7	☐	2500.000	2432.791	1,242,547	640.40	A	0.8	-2.7
8	☐	4000.000	3937.564	2,019,621	1,033.43	A	1.4	-1.6
9	☐	10000.00	9644.929	4,838,349	2,524.14	A	0.7	-3.6
10	☐	50000.00	50079.42	25,886,239	13,085.2	A	0.3	0.2

y = 0.2612 * x + 4.9839
R = 1.0000
%RSE = 3.8
DL = 1.329 ug/l
BEC = 19.08 ug/l

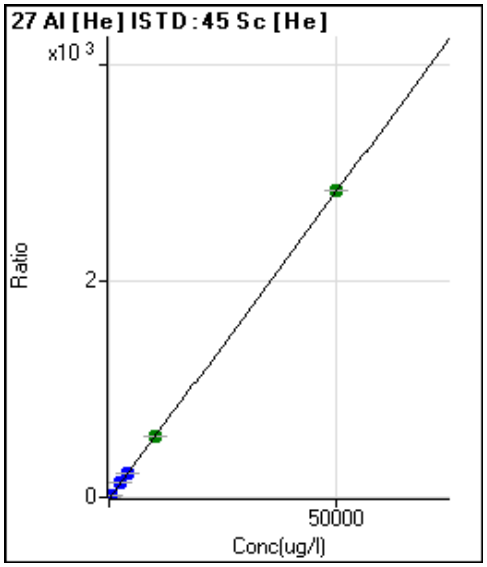
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	625	0.32	P	10.5	
2	☐			3,119	1.60	P	2.4	
3	☐	45.000	44.995	12,296	6.25	P	6.3	0.0
4	☐	90.000	94.448	24,152	12.77	P	6.4	4.9
5	☐	180.000	183.290	47,505	24.47	P	0.7	1.8
6	☐	400.000	406.283	105,844	53.85	P	1.9	1.6
7	☐	2500.000	2479.936	634,629	327.08	P	0.8	-0.8
8	☐	4000.000	3981.486	1,025,820	524.93	M	1.7	-0.5
9	☐	10000.00	9950.440	2,513,711	1,311.42	A	1.4	-0.5
10	☐	50000.00	50012.32	13,036,999	6,590.09	A	0.3	0.0

y = 0.1318 * x + 0.3211
R = 1.0000
%RSE = 2.3
DL = 0.7656 ug/l
BEC = 2.437 ug/l

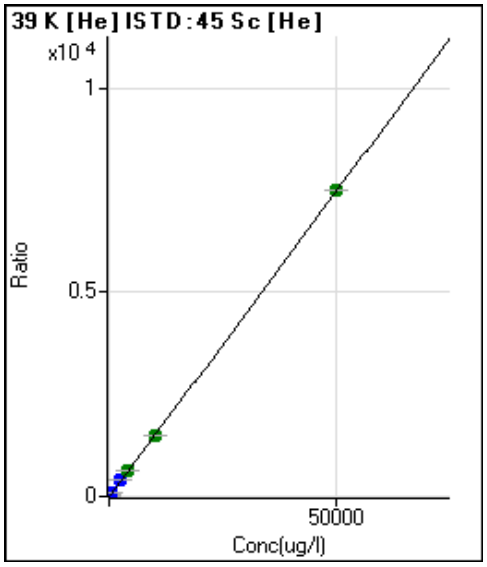
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	138	0.07	P	15.6	
2	☐			1,081	0.55	P	0.2	
3	☐	45.000	42.994	4,950	2.51	P	2.4	-4.5
4	☐	90.000	94.783	10,325	5.46	P	6.4	5.3
5	☐	180.000	184.515	20,488	10.56	P	2.9	2.5
6	☐	400.000	402.533	45,098	22.95	P	2.3	0.6
7	☐	2500.000	2482.008	273,825	141.12	P	0.7	-0.7
8	☐	4000.000	3996.482	444,040	227.19	P	0.7	-0.1
9	☐	10000.00	9953.449	1,084,354	565.72	A	1.3	-0.5
10	☐	50000.00	50010.44	5,622,562	2,842.16	A	0.5	0.0

y = 0.0568 * x + 0.0711
R = 1.0000
%RSE = 3.0
DL = 0.5875 ug/l
BEC = 1.252 ug/l

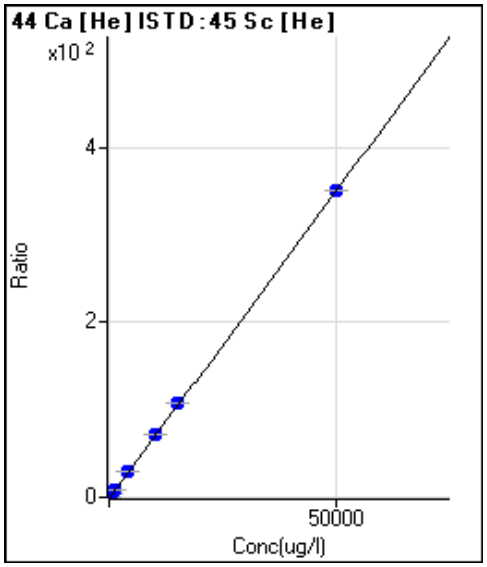
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	39,557	20.33	P	2.5	
2	☐			41,154	21.04	P	0.9	
3	☐	45.000	44.871	53,241	27.04	P	2.5	-0.3
4	☐	90.000	93.137	64,849	34.26	P	4.5	3.5
5	☐	180.000	176.241	90,618	46.68	P	1.4	-2.1
6	☐	400.000	400.643	157,678	80.22	P	0.4	0.2
7	☐	2500.000	2483.630	759,759	391.58	P	0.9	-0.7
8	☐	4000.000	3996.038	1,207,104	617.65	A	1.2	-0.1
9	☐	10000.00	9850.018	2,861,319	1,492.70	A	0.3	-1.5
10	☐	50000.00	50031.13	14,834,795	7,498.90	A	0.5	0.1

y = 0.1495 * x + 20.3342
R = 1.0000
%RSE = 1.8
DL = 10.25 ug/l
BEC = 136 ug/l

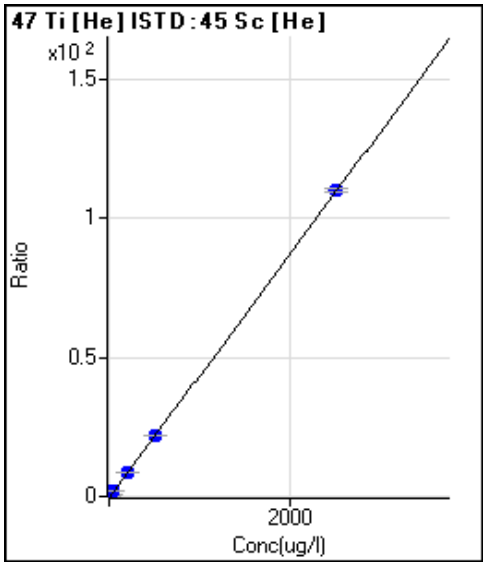
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	195	0.10	P	13.7	
2	☐			923	0.47	P	9.1	
3	☐			4,135	2.10	P	0.9	
4	☐	540.000	564.084	7,697	4.07	P	6.0	4.5
5	☐	1080.000	1106.321	15,301	7.88	P	3.9	2.4
6	☐			5,813	2.96	P	2.7	
7	☐	15000.00	15294.04	208,936	107.68	P	0.7	2.0
8	☐	4000.000	4050.449	55,889	28.59	P	0.1	1.3
9	☐	10000.00	10122.44	136,685	71.30	P	0.7	1.2
10	☐	50000.00	49882.43	694,349	350.99	P	0.4	-0.2

y = 0.0070 * x + 0.1001
R = 1.0000
%RSE = 2.9
DL = 5.843 ug/l
BEC = 14.24 ug/l

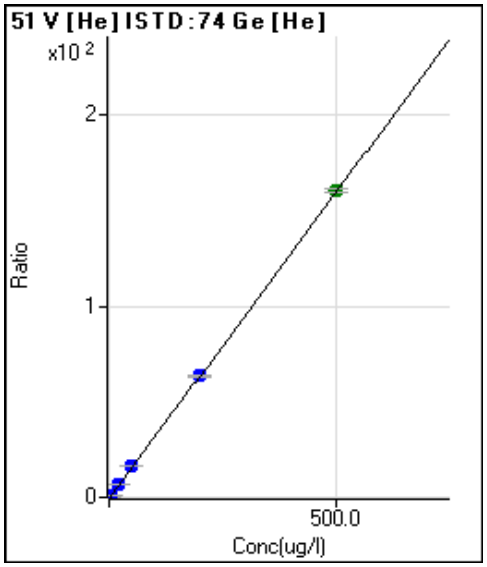
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10	0.01	P	88.1	
2	☐			27	0.01	P	25.0	
3	☐			90	0.05	P	11.3	
4	☐	1.800	1.636	146	0.08	P	15.4	-9.1
5	☐	3.600	3.522	311	0.16	P	8.1	-2.2
6	☐	20.000	19.633	1,708	0.87	P	3.5	-1.8
7	☐	50.000	50.543	4,326	2.23	P	1.5	1.1
8	☐	200.000	197.264	16,984	8.69	P	1.8	-1.4
9	☐	500.000	498.590	42,071	21.95	P	1.3	-0.3
10	☐	2500.000	2500.493	217,718	110.05	P	1.3	0.0

y = 0.0440 * x + 0.0051
R = 1.0000
%RSE = 4.3
DL = 0.3077 ug/l
BEC = 0.1164 ug/l

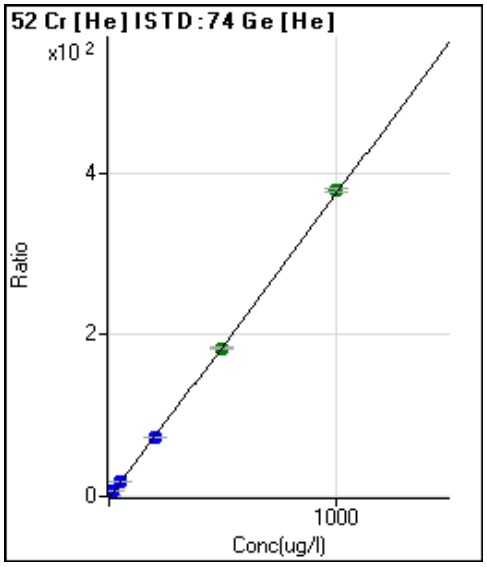
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	894	0.12	P	4.3	
2	☐			1,377	0.18	P	1.0	
3	☐	0.900	0.937	3,266	0.42	P	0.9	4.1
4	☐	1.800	1.911	5,513	0.73	P	1.8	6.2
5	☐	3.600	3.661	10,134	1.29	P	1.6	1.7
6	☐	20.000	20.163	51,574	6.57	P	0.6	0.8
7	☐	50.000	50.001	126,183	16.12	P	1.4	0.0
8	☐	200.000	197.706	501,215	63.41	P	1.0	-1.1
9	☐	500.000	500.910	1,248,755	160.49	A	1.3	0.2
10	☐			856	0.11	P	2.8	

y = 0.3202 * x + 0.1165
R = 1.0000
%RSE = 3.5
DL = 0.04678 ug/l
BEC = 0.3638 ug/l

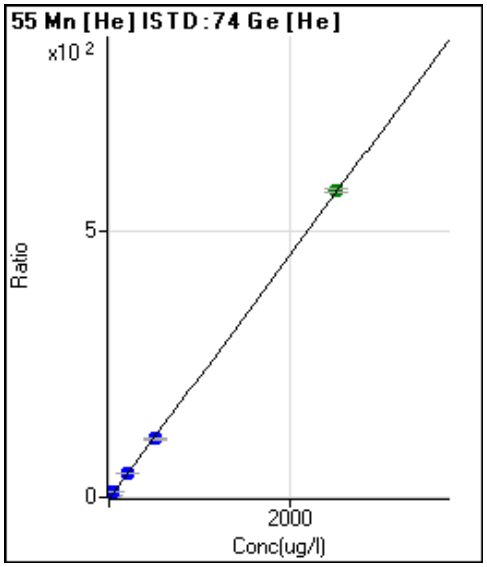
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	240	0.03	P	6.7	
2	☐			747	0.10	P	3.7	
3	☐	0.900	0.862	2,786	0.36	P	3.2	-4.2
4	☐	1.800	1.834	5,439	0.72	P	7.1	1.9
5	☐	3.600	3.546	10,717	1.36	P	1.4	-1.5
6	☐	20.000	19.732	58,415	7.44	P	0.9	-1.3
7	☐	50.000	48.260	142,100	18.16	P	1.5	-3.5
8	☐	200.000	192.395	571,522	72.30	P	0.3	-3.8
9	☐	500.000	486.602	1,422,521	182.82	A	1.1	-2.7
10	☐	1000.000	1008.313	2,837,100	378.80	A	1.3	0.8

y = 0.3756 * x + 0.0313
R = 0.9999
%RSE = 3.2
DL = 0.01675 ug/l
BEC = 0.0832 ug/l

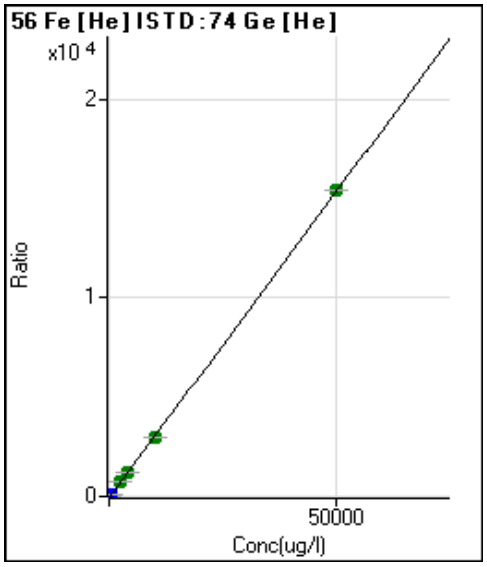
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	312	0.04	P	4.9	
2	☐			534	0.07	P	12.5	
3	☐	0.900	0.860	1,872	0.24	P	1.0	-4.4
4	☐	1.800	1.880	3,579	0.47	P	5.5	4.5
5	☐	3.600	3.463	6,589	0.84	P	1.4	-3.8
6	☐	20.000	19.594	35,735	4.55	P	1.1	-2.0
7	☐	50.000	49.125	88,855	11.36	P	1.4	-1.7
8	☐	200.000	192.807	351,330	44.45	P	0.6	-3.6
9	☐	500.000	476.737	854,715	109.84	P	0.9	-4.7
10	☐	2500.000	2505.249	4,322,113	577.06	A	0.9	0.2

y = 0.2303 * x + 0.0407
R = 1.0000
%RSE = 4.0
DL = 0.02605 ug/l
BEC = 0.1766 ug/l

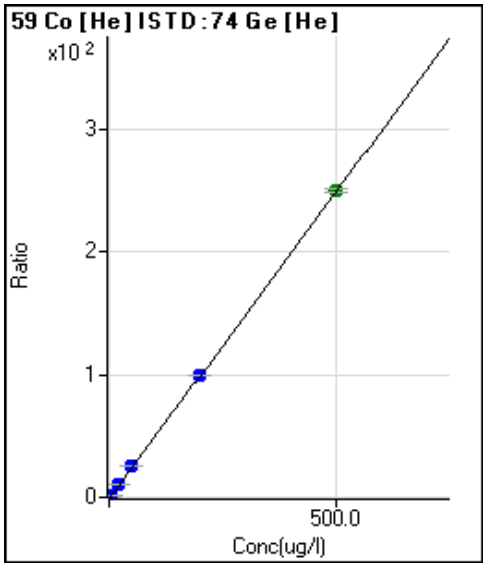
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9,849	1.28	P	0.7	
2	☐			30,548	3.95	P	1.7	
3	☐	45.000	44.892	118,451	15.11	P	2.5	-0.2
4	☐	90.000	93.301	226,846	30.01	P	4.2	3.7
5	☐	180.000	179.718	445,064	56.62	P	1.6	-0.2
6	☐	400.000	401.170	979,396	124.80	P	0.2	0.3
7	☐	2500.000	2425.387	5,852,701	748.06	A	2.2	-3.0
8	☐	4000.000	3857.365	9,397,570	1,188.96	A	0.8	-3.6
9	☐	10000.00	9725.200	23,309,731	2,995.66	A	0.7	-2.7
10	☐	50000.00	50070.08	115,485,77	15,417.8	A	0.2	0.1

y = 0.3079 * x + 1.2829
R = 1.0000
%RSE = 2.7
DL = 0.09229 ug/l
BEC = 4.167 ug/l

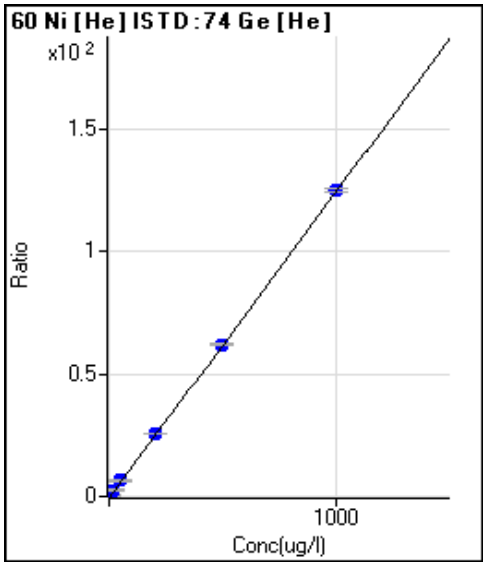
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	44	0.01	P	11.0	
2	☐			761	0.10	P	6.6	
3	☐	0.900	0.955	3,788	0.48	P	3.6	6.1
4	☐	1.800	1.913	7,266	0.96	P	5.5	6.3
5	☐	3.600	3.722	14,667	1.87	P	3.1	3.4
6	☐	20.000	20.649	81,035	10.33	P	1.2	3.2
7	☐	50.000	51.032	199,616	25.51	P	1.6	2.1
8	☐	200.000	199.234	787,076	99.58	P	1.1	-0.4
9	☐	500.000	500.176	1,945,095	249.99	A	1.2	0.0
10	☐			676	0.09	P	5.1	

y = 0.4998 * x + 0.0058
R = 1.0000
%RSE = 4.5
DL = 0.003828 ug/l
BEC = 0.01158 ug/l

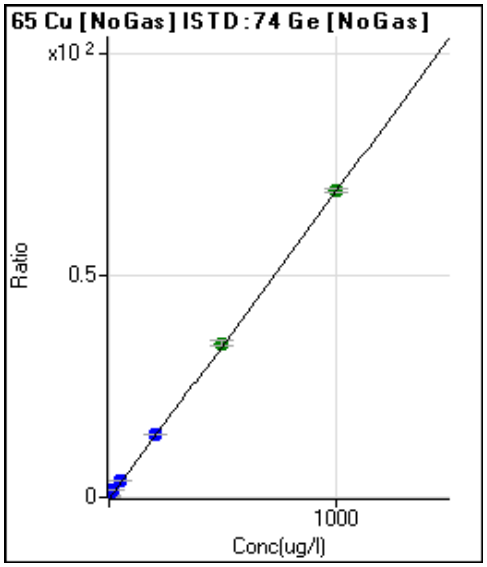
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	139	0.02	P	5.3	
2	☐			230	0.03	P	21.4	
3	☐	0.900	0.936	1,058	0.13	P	9.7	4.0
4	☐	1.800	1.894	1,922	0.25	P	7.0	5.2
5	☐	3.600	3.635	3,709	0.47	P	4.4	1.0
6	☐	20.000	20.923	20,646	2.63	P	1.1	4.6
7	☐	50.000	51.324	50,286	6.43	P	2.4	2.6
8	☐	200.000	204.762	202,227	25.59	P	2.0	2.4
9	☐	500.000	495.419	481,521	61.89	P	1.3	-0.9
10	☐	1000.000	1001.253	936,662	125.06	P	1.1	0.1

y = 0.1249 * x + 0.0181
R = 1.0000
%RSE = 3.6
DL = 0.0229 ug/l
BEC = 0.1448 ug/l

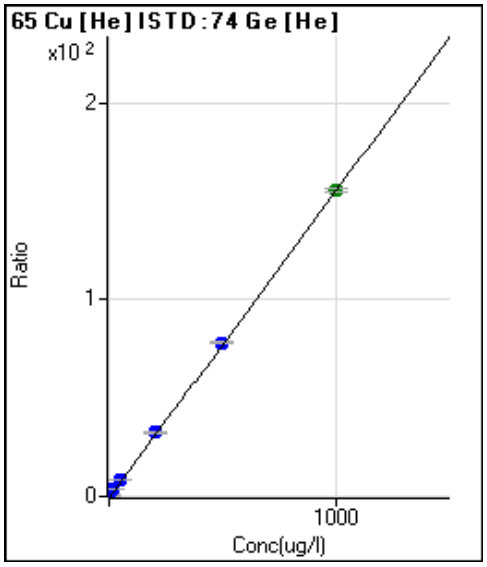
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	257	0.00	P	11.1	
2	☐			884	0.02	P	3.7	
3	☐	0.900	0.979	3,809	0.07	P	2.9	8.7
4	☐	1.800	1.992	7,449	0.14	P	3.4	10.7
5	☐	3.600	3.897	14,258	0.28	P	1.8	8.3
6	☐	20.000	21.593	78,102	1.50	P	0.4	8.0
7	☐	50.000	52.402	189,459	3.64	P	0.8	4.8
8	☐	200.000	206.432	744,428	14.33	P	0.7	3.2
9	☐	500.000	500.030	1,830,000	34.71	A	3.7	0.0
10	☐	1000.000	998.545	3,405,071	69.30	A	0.8	-0.1

y = 0.0694 * x + 0.0049
R = 1.0000
%RSE = 7.7
DL = 0.02373 ug/l
BEC = 0.07103 ug/l

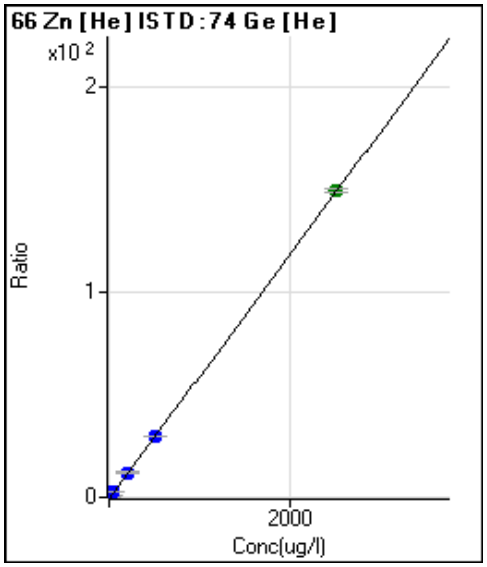
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	71	0.01	P	40.2	
2	☐			278	0.04	P	8.8	
3	☐	0.900	0.983	1,276	0.16	P	7.6	9.2
4	☐	1.800	1.980	2,401	0.32	P	8.0	10.0
5	☐	3.600	3.871	4,816	0.61	P	4.1	7.5
6	☐	20.000	21.567	26,463	3.37	P	0.7	7.8
7	☐	50.000	52.391	63,998	8.18	P	1.3	4.8
8	☐	200.000	208.011	256,431	32.44	P	1.2	4.0
9	☐	500.000	500.929	607,842	78.12	P	0.9	0.2
10	☐	1000.000	997.781	1,165,397	155.59	A	0.6	-0.2

y = 0.1559 * x + 0.0093
R = 1.0000
%RSE = 7.6
DL = 0.07179 ug/l
BEC = 0.05953 ug/l

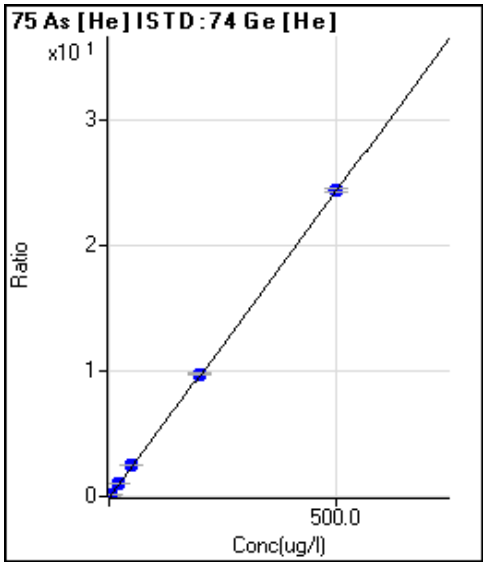
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98	0.01	P	19.8	
2	☐			109	0.01	P	18.0	
3	☐			443	0.06	P	8.2	
4	☐	1.800	1.747	888	0.12	P	7.2	-3.0
5	☐	3.600	3.625	1,809	0.23	P	2.7	0.7
6	☐	20.000	20.532	9,758	1.24	P	0.3	2.7
7	☐	50.000	51.011	24,030	3.07	P	0.5	2.0
8	☐	200.000	202.760	96,159	12.17	P	0.9	1.4
9	☐	500.000	496.876	231,846	29.80	P	0.7	-0.6
10	☐	2500.000	2500.379	1,122,595	149.88	A	1.2	0.0

y = 0.0599 * x + 0.0127
R = 1.0000
%RSE = 2.1
DL = 0.1266 ug/l
BEC = 0.2126 ug/l

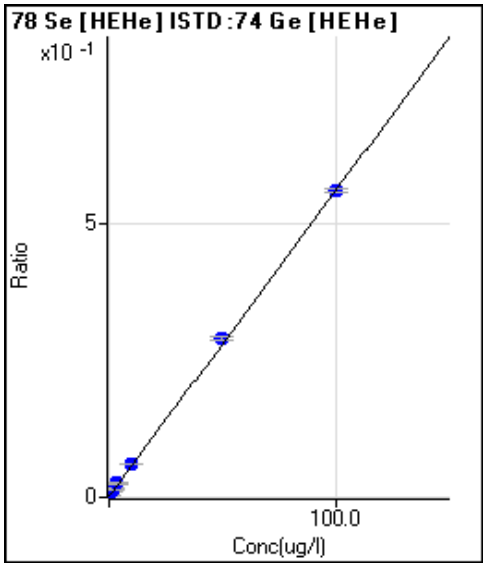
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35	0.00	P	13.5	
2	☐			101	0.01	P	2.7	
3	☐	0.900	0.907	383	0.05	P	5.1	0.8
4	☐	1.800	1.918	743	0.10	P	2.8	6.5
5	☐	3.600	3.780	1,487	0.19	P	2.3	5.0
6	☐	20.000	20.188	7,774	0.99	P	0.6	0.9
7	☐	50.000	50.652	19,397	2.48	P	1.5	1.3
8	☐	200.000	200.027	77,266	9.78	P	1.2	0.0
9	☐	500.000	499.915	190,053	24.43	P	0.8	0.0
10	☐			92	0.01	P	6.4	

y = 0.0488 * x + 0.0045
R = 1.0000
%RSE = 3.8
DL = 0.03754 ug/l
BEC = 0.09237 ug/l

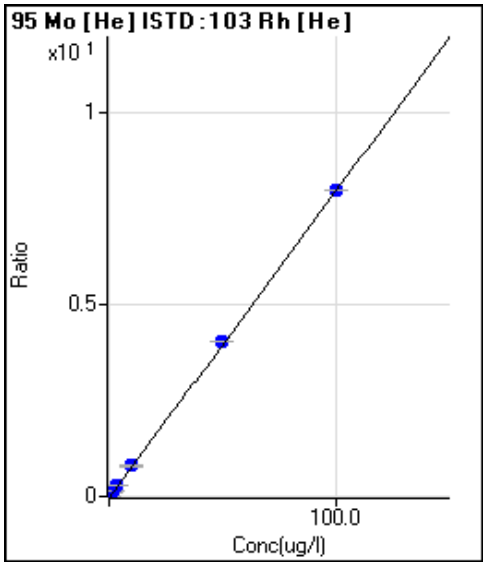
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	37	0.00	P	5.6	
2	☐			46	0.01	P	6.7	
3	☐	0.900	0.905	81	0.01	P	2.2	0.6
4	☐	1.800	1.913	129	0.02	P	3.3	6.3
5	☐	3.600	3.792	221	0.03	P	2.9	5.3
6	☐	10.000	10.118	525	0.06	P	2.7	1.2
7	☐	50.000	51.035	2,499	0.29	P	1.8	2.1
8	☐	100.000	99.462	4,907	0.56	P	1.3	-0.5
9	☐			43	0.00	P	4.8	
10	☐			45	0.01	P	5.7	

y = 0.0056 * x + 0.0043
R = 0.9999
%RSE = 4.3
DL = 0.1313 ug/l
BEC = 0.7777 ug/l

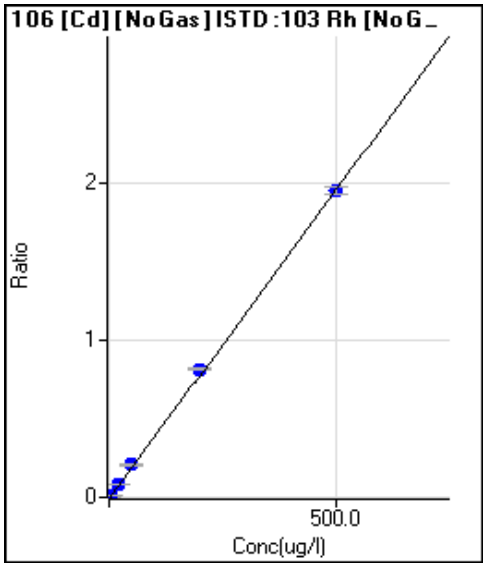
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9	0.00	P	77.9	
2	☐			284	0.02	P	9.4	
3	☐	0.900	0.938	1,358	0.08	P	1.8	4.2
4	☐	1.800	1.853	2,607	0.15	P	7.7	2.9
5	☐	3.600	3.680	5,302	0.29	P	4.0	2.2
6	☐	10.000	9.944	14,430	0.79	P	1.4	-0.6
7	☐	50.000	50.428	71,404	4.03	P	0.5	0.9
8	☐	100.000	99.787	142,690	7.97	P	0.4	-0.2
9	☐			168	0.01	P	5.3	
10	☐			181	0.01	P	9.8	

y = 0.0798 * x + 5.0101E-004
R = 1.0000
%RSE = 2.9
DL = 0.01468 ug/l
BEC = 0.006277 ug/l

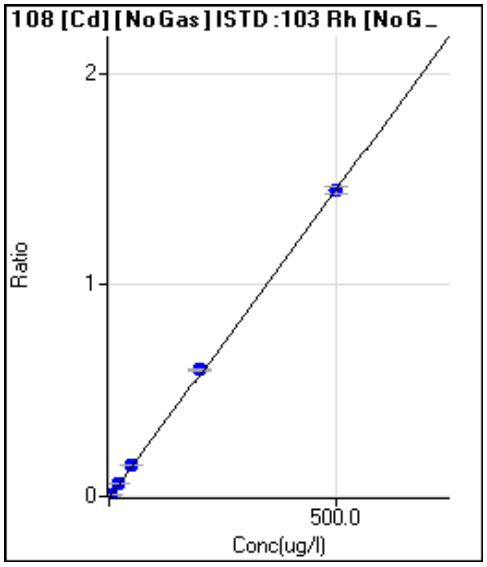
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4	0.00	P	114.	
2	☐	0.180	0.194	42	0.00	P	5.0	8.0
3	☐	0.900	0.917	183	0.00	P	13.0	1.9
4	☐	1.800	1.955	386	0.01	P	5.7	8.6
5	☐	3.600	4.032	787	0.02	P	11.0	12.0
6	☐	20.000	21.082	4,108	0.08	P	2.6	5.4
7	☐	50.000	52.774	10,208	0.21	P	1.7	5.5
8	☐	200.000	207.016	39,814	0.81	P	1.4	3.5
9	☐	500.000	496.869	96,180	1.95	P	2.6	-0.6
10	☐			288	0.01	P	6.5	

y = 0.0039 * x + 8.9114E-005
R = 0.9999
%RSE = 7.7
DL = 0.07769 ug/l
BEC = 0.02266 ug/l

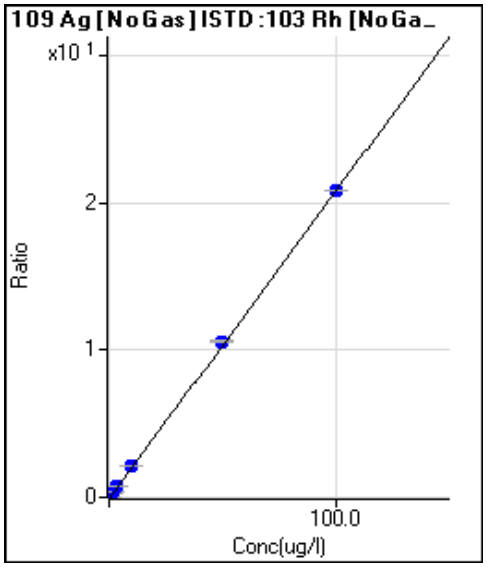
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9	0.00	P	22.2	
2	☐	0.180	0.054	17	0.00	P	20.1	-70.0
3	☐	0.900	0.991	152	0.00	P	4.3	10.1
4	☐	1.800	1.586	238	0.00	P	7.9	-11.9
5	☐	3.600	3.879	567	0.01	P	7.9	7.7
6	☐	20.000	20.401	2,951	0.06	P	0.7	2.0
7	☐	50.000	51.656	7,408	0.15	P	1.1	3.3
8	☐	200.000	205.856	29,332	0.60	P	1.0	2.9
9	☐	500.000	497.475	71,340	1.45	P	2.5	-0.5
10	☐			202	0.00	P	11.1	

y = 0.0029 * x + 1.7948E-004
R = 0.9999
%RSE = 29.5
DL = 0.04104 ug/l
BEC = 0.06162 ug/l

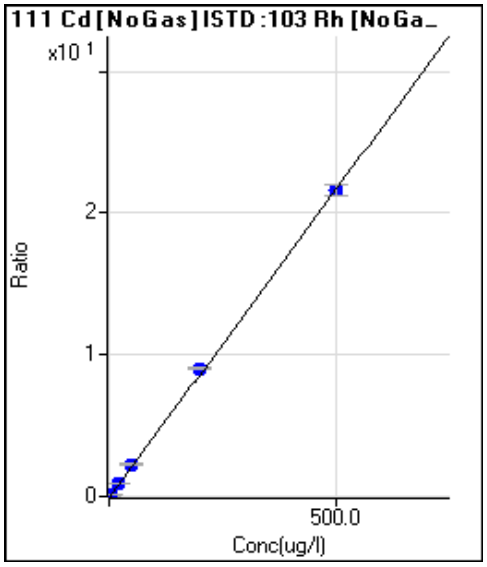
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16	0.00	P	49.2	
2	☐	0.180	0.190	1,980	0.04	P	5.1	5.4
3	☐	0.900	0.935	9,735	0.20	P	2.0	3.9
4	☐	1.800	1.849	19,207	0.39	P	2.0	2.7
5	☐	3.600	3.720	38,474	0.78	P	0.7	3.3
6	☐	10.000	10.071	104,439	2.11	P	1.9	0.7
7	☐	50.000	50.610	521,249	10.60	P	1.1	1.2
8	☐	100.000	99.682	1,021,014	20.88	P	0.5	-0.3
9	☐			98	0.00	P	24.6	
10	☐			119	0.00	P	10.0	

y = 0.2094 * x + 3.1316E-004
R = 1.0000
%RSE = 3.6
DL = 0.002205 ug/l
BEC = 0.001495 ug/l

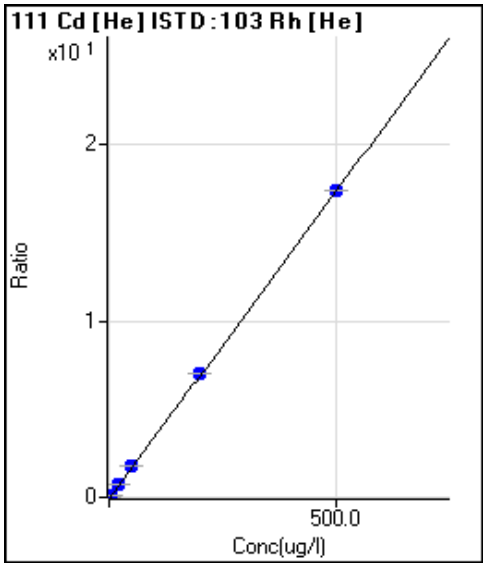
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2	0.00	P	491.	
2	☐	0.180	0.195	421	0.01	P	9.1	8.2
3	☐	0.900	0.937	2,026	0.04	P	2.7	4.1
4	☐	1.800	1.960	4,229	0.09	P	4.5	8.9
5	☐	3.600	3.838	8,247	0.17	P	0.7	6.6
6	☐	20.000	20.678	44,555	0.90	P	1.5	3.4
7	☐	50.000	52.159	111,622	2.27	P	0.9	4.3
8	☐	200.000	207.799	442,255	9.04	P	0.5	3.9
9	☐	500.000	496.635	1,063,805	21.61	P	3.2	-0.7
10	☐			1,656	0.04	P	5.3	

y = 0.0435 * x + 3.2387E-005
R = 0.9998
%RSE = 6.5
DL = 0.01098 ug/l
BEC = 0.0007442 ug/l

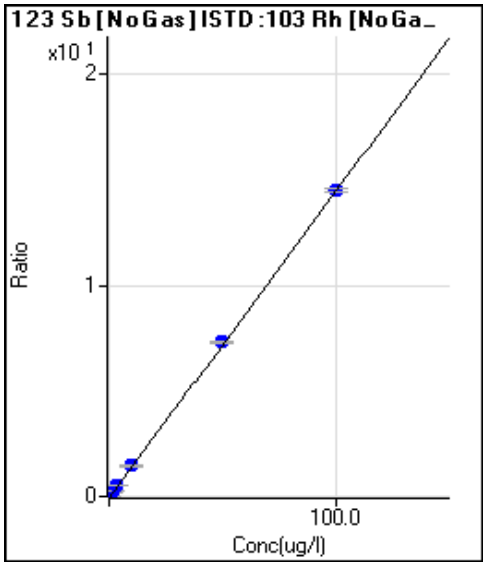
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5	0.00	P	49.4	
2	☐	0.180	0.183	119	0.01	P	15.0	1.6
3	☐	0.900	0.958	607	0.03	P	3.1	6.5
4	☐	1.800	1.887	1,160	0.07	P	9.0	4.8
5	☐	3.600	3.828	2,410	0.13	P	2.1	6.3
6	☐	20.000	20.244	12,842	0.71	P	1.5	1.2
7	☐	50.000	51.407	31,828	1.79	P	0.7	2.8
8	☐	200.000	201.756	126,124	7.04	P	1.1	0.9
9	☐	500.000	499.145	305,872	17.42	P	0.5	-0.2
10	☐			493	0.03	P	4.1	

y = 0.0349 * x + 2.6301E-004
R = 1.0000
%RSE = 4.4
DL = 0.01117 ug/l
BEC = 0.007536 ug/l

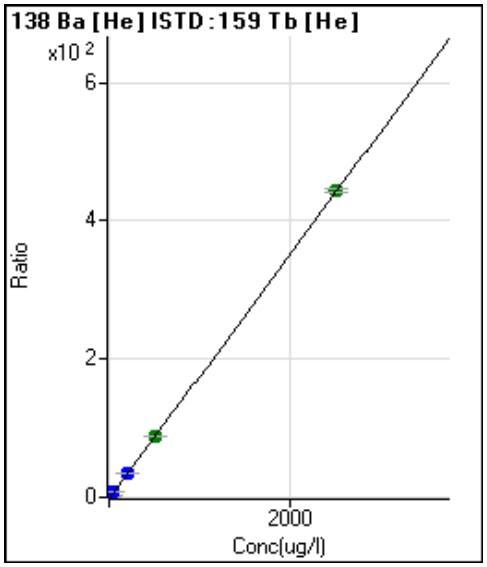
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56	0.00	P	27.4	
2	☐			1,267	0.03	P	7.1	
3	☐	0.900	0.916	6,668	0.13	P	2.5	1.8
4	☐	1.800	1.825	13,209	0.27	P	0.8	1.4
5	☐	3.600	3.693	26,566	0.54	P	1.9	2.6
6	☐	10.000	9.923	71,504	1.44	P	0.9	-0.8
7	☐	50.000	50.295	359,694	7.31	P	0.5	0.6
8	☐	100.000	99.856	710,177	14.52	P	1.2	-0.1
9	☐			975	0.02	P	11.4	
10	☐			6,715	0.15	P	2.6	

y = 0.1454 * x + 0.0011
R = 1.0000
%RSE = 1.8
DL = 0.006335 ug/l
BEC = 0.007709 ug/l

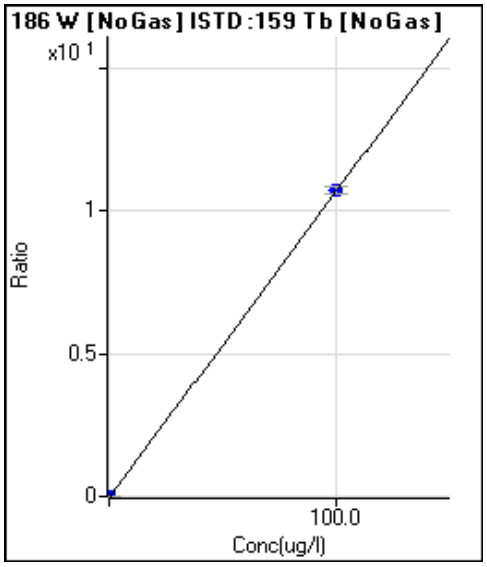
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	93	0.00	P	39.1	
2	☐			934	0.03	P	3.9	
3	☐	0.900	0.913	4,556	0.17	P	4.8	1.4
4	☐	1.800	1.968	9,407	0.35	P	1.8	9.3
5	☐	3.600	3.730	18,435	0.67	P	0.9	3.6
6	☐	20.000	20.173	99,822	3.58	P	0.4	0.9
7	☐	50.000	50.748	251,478	9.01	P	0.3	1.5
8	☐	200.000	201.232	991,637	35.72	P	1.2	0.6
9	☐	500.000	497.121	2,429,791	88.23	A	1.5	-0.6
10	☐	2500.000	2500.460	11,419,986	443.76	A	0.7	0.0

y = 0.1775 * x + 0.0035
R = 1.0000
%RSE = 4.2
DL = 0.02286 ug/l
BEC = 0.01947 ug/l

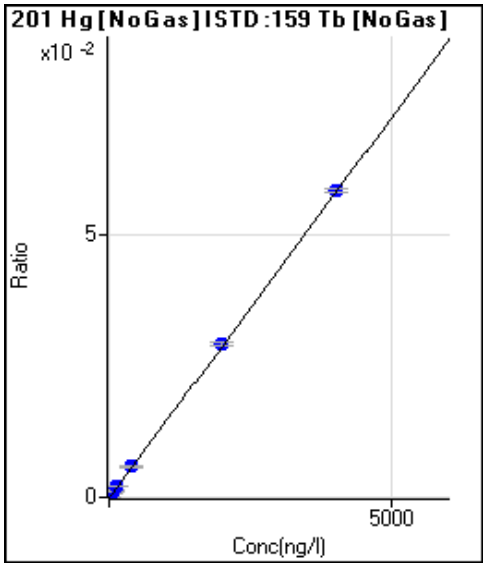
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	269	0.00	P	13.8	
2	☐			257	0.00	P	19.0	
3	☐			214	0.00	P	2.7	
4	☐			216	0.00	P	8.0	
5	☐			184	0.00	P	19.0	
6	☐			208	0.00	P	4.6	
7	☐			251	0.00	P	0.5	
8	☐			293	0.00	P	7.2	
9	☐	100.000	100.000	882,697	10.74	P	3.0	0.0
10	☐			2,767	0.04	P	4.1	

y = 0.1073 * x + 0.0034
R = 1.0000
%RSE =
DL = 0.01301 ug/l
BEC = 0.03152 ug/l

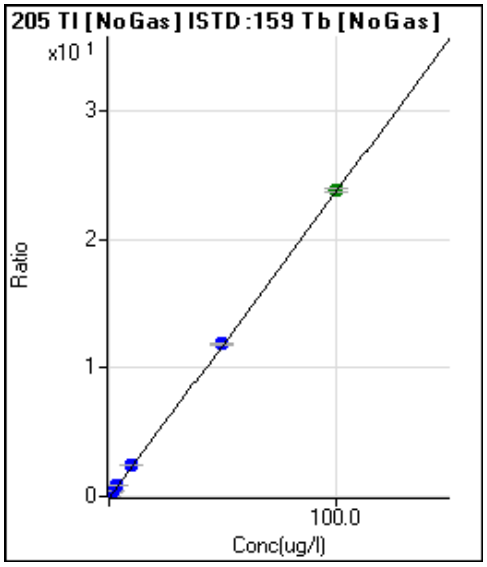
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7	0.00	P	28.8	
2	☐			15	0.00	P	5.2	
3	☐	36.000	38.799	52	0.00	P	5.6	7.8
4	☐	72.000	76.479	97	0.00	P	6.0	6.2
5	☐	144.000	139.784	172	0.00	P	2.9	-2.9
6	☐	400.000	396.310	475	0.01	P	2.5	-0.9
7	☐	2000.000	1992.123	2,390	0.03	P	1.9	-0.4
8	☐	4000.000	4004.353	4,774	0.06	P	0.7	0.1
9	☐			79	0.00	P	6.4	
10	☐			19	0.00	P	10.7	

y = 1.4624E-005 * x + 9.0087E-005
R = 1.0000
%RSE = 5.2
DL = 5.324 ng/l
BEC = 6.16 ng/l

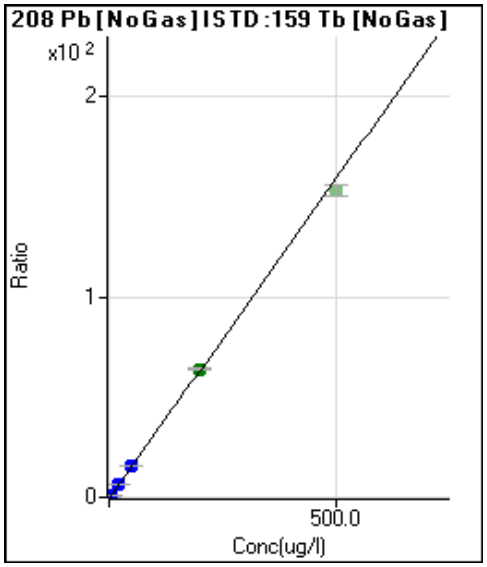
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	42	0.00	P	8.8	
2	☐	0.180	0.177	3,414	0.04	P	3.5	-1.4
3	☐	0.900	0.920	17,480	0.22	P	0.4	2.2
4	☐	1.800	1.833	35,192	0.44	P	1.7	1.8
5	☐	3.600	3.676	70,430	0.88	P	0.4	2.1
6	☐	10.000	10.063	193,539	2.40	P	1.0	0.6
7	☐	50.000	49.785	969,370	11.85	P	1.0	-0.4
8	☐	100.000	100.098	1,939,809	23.83	A	1.3	0.1
9	☐			554	0.01	P	9.8	
10	☐			166	0.00	P	18.7	

y = 0.2381 * x + 5.3080E-004
R = 1.0000
%RSE = 1.8
DL = 0.0005886 ug/l
BEC = 0.00223 ug/l

Weight: <None>
Min Conc: <None>

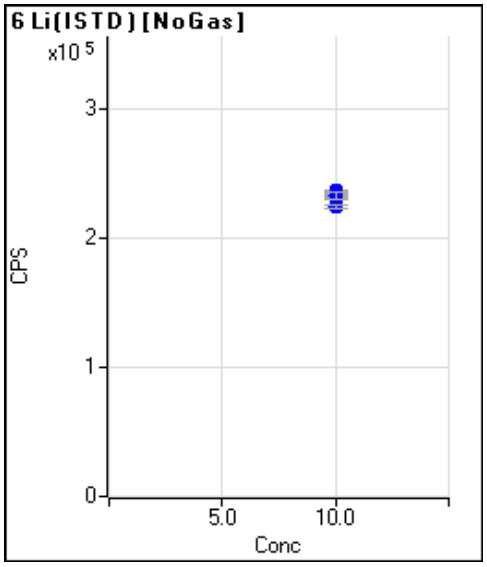


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	211	0.00	P	11.0	
2	☐	0.180	0.179	4,792	0.06	P	1.0	-0.4
3	☐	0.900	0.944	24,277	0.30	P	1.3	4.9
4	☐	1.800	1.865	48,279	0.60	P	0.4	3.6
5	☐	3.600	3.698	95,405	1.19	P	0.5	2.7
6	☐	20.000	20.363	526,601	6.52	P	0.7	1.8
7	☐	50.000	50.029	1,309,615	16.01	P	1.0	0.1
8	☐	200.000	199.954	5,209,128	64.00	A	1.3	0.0
9	☑	500.000		12,605,768	153.34	A	3.3	
10	☐			3,160	0.04	P	3.6	

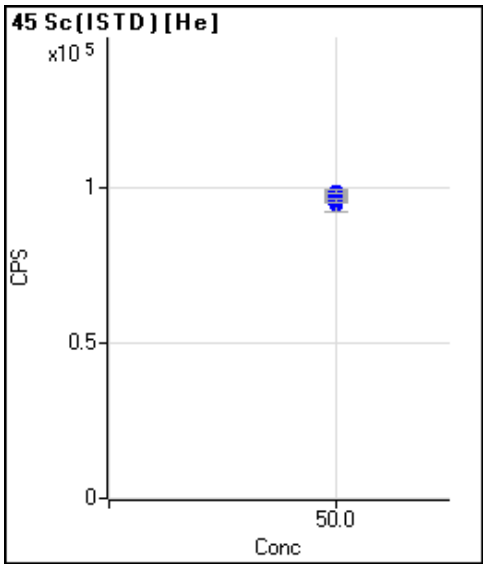
y = 0.3200 * x + 0.0027
R = 1.0000
%RSE = 3.1
DL = 0.002734 ug/l
BEC = 0.008298 ug/l

Weight: <None>
Min Conc: <None>

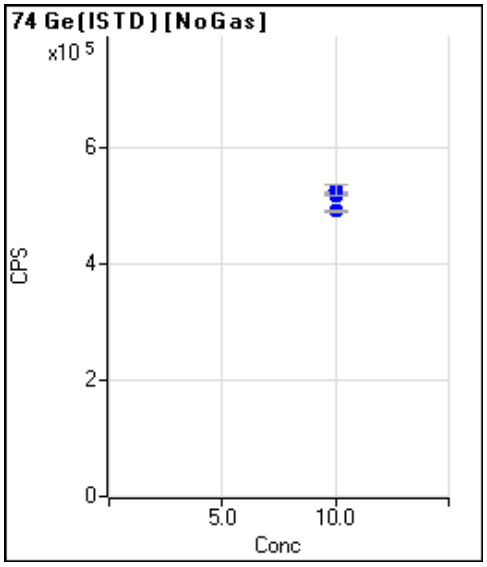
Top point dropped from curve for better curve fit. Pb LDR = 200 ppb this sequence.
JPB 05/14/21



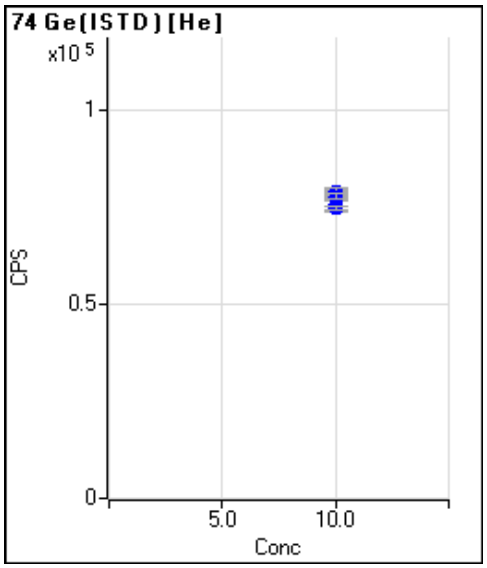
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		237,379		P	0.2	
2	☐	10.000		236,112		P	0.8	
3	☐	10.000		234,628		P	0.4	
4	☐	10.000		232,735		P	0.2	
5	☐	10.000		231,523		P	0.5	
6	☐	10.000		232,878		P	0.3	
7	☐	10.000		230,881		P	0.3	
8	☐	10.000		231,315		P	0.3	
9	☐	10.000		233,359		P	2.3	
10	☐	10.000		224,425		P	1.4	



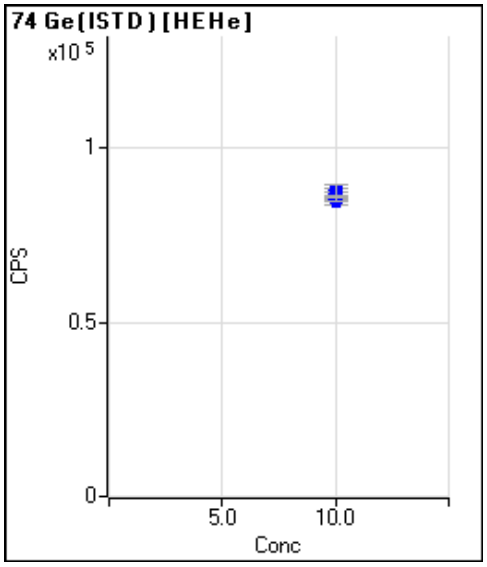
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	50.000		97,258		P	0.7	
2	☐	50.000		97,793		P	2.7	
3	☐	50.000		98,459		P	2.2	
4	☐	50.000		94,806		P	5.4	
5	☐	50.000		97,068		P	1.9	
6	☐	50.000		98,278		P	1.4	
7	☐	50.000		97,022		P	2.0	
8	☐	50.000		97,735		P	2.3	
9	☐	50.000		95,846		P	1.1	
10	☐	50.000		98,915		P	0.8	



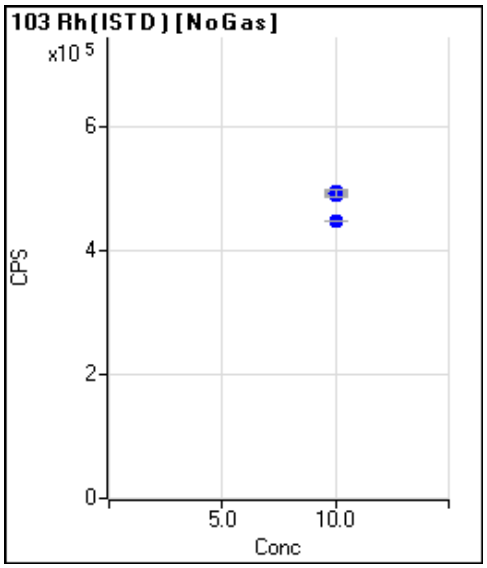
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		520,905		P	0.5	
2	☐	10.000		519,571		P	0.9	
3	☐	10.000		522,994		P	0.4	
4	☐	10.000		520,265		P	0.8	
5	☐	10.000		517,743		P	0.2	
6	☐	10.000		519,482		P	0.3	
7	☐	10.000		520,271		P	0.3	
8	☐	10.000		519,473		P	0.9	
9	☐	10.000		527,682		P	3.1	
10	☐	10.000		491,345		P	0.3	



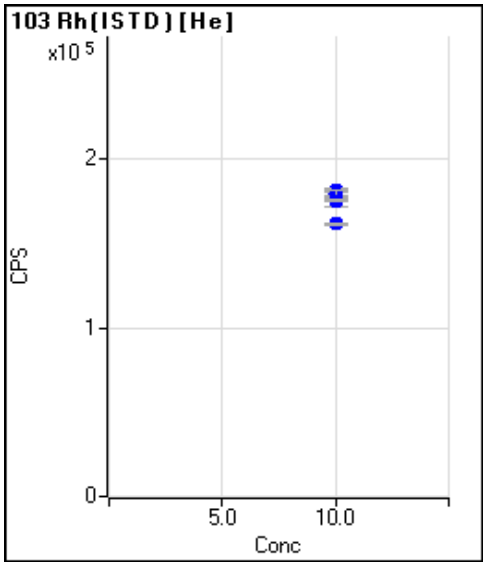
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		76,775		P	0.8	
2	☐	10.000		77,429		P	1.1	
3	☐	10.000		78,431		P	1.1	
4	☐	10.000		75,699		P	5.1	
5	☐	10.000		78,629		P	2.6	
6	☐	10.000		78,475		P	0.5	
7	☐	10.000		78,267		P	2.4	
8	☐	10.000		79,047		P	1.8	
9	☐	10.000		77,817		P	1.6	
10	☐	10.000		74,903		P	1.0	



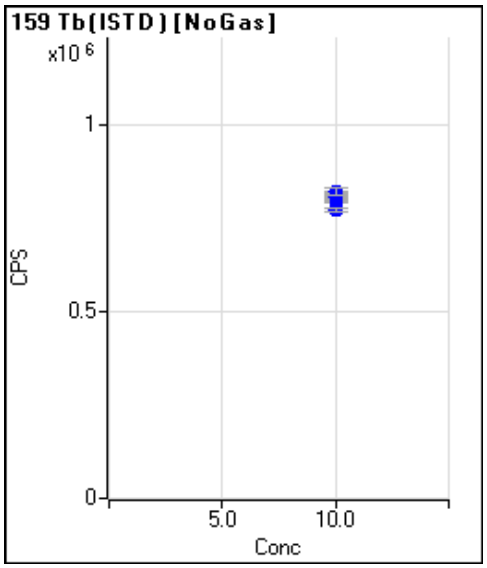
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		84,515		P	1.8	
2	☐	10.000		85,052		P	0.7	
3	☐	10.000		85,900		P	1.3	
4	☐	10.000		85,977		P	2.7	
5	☐	10.000		86,657		P	1.3	
6	☐	10.000		86,422		P	1.7	
7	☐	10.000		86,436		P	0.3	
8	☐	10.000		87,738		P	1.2	
9	☐	10.000		85,436		P	1.3	
10	☐	10.000		87,889		P	3.5	



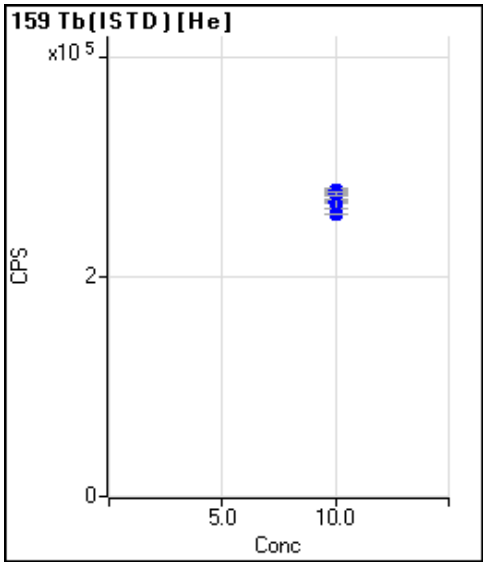
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		495,831		P	0.7	
2	☐	10.000		494,720		P	0.5	
3	☐	10.000		496,283		P	0.4	
4	☐	10.000		495,568		P	0.9	
5	☐	10.000		493,661		P	0.6	
6	☐	10.000		495,154		P	1.0	
7	☐	10.000		491,741		P	0.5	
8	☐	10.000		489,055		P	0.5	
9	☐	10.000		492,481		P	2.6	
10	☐	10.000		449,183		P	0.2	



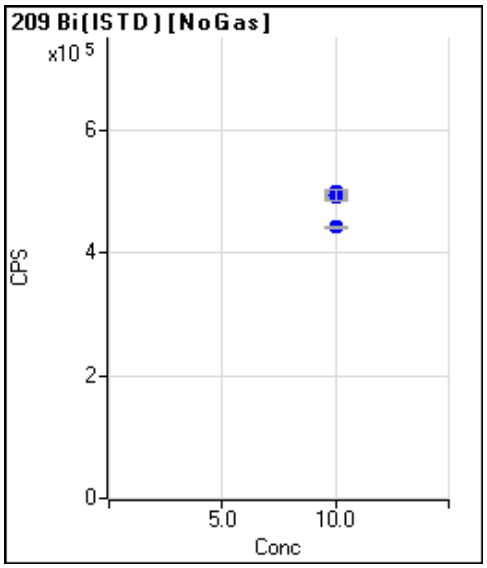
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		177,345		P	0.2	
2	☐	10.000		178,420		P	0.5	
3	☐	10.000		180,097		P	1.5	
4	☐	10.000		176,103		P	5.4	
5	☐	10.000		180,138		P	2.3	
6	☐	10.000		181,706		P	1.1	
7	☐	10.000		177,380		P	1.4	
8	☐	10.000		179,143		P	2.4	
9	☐	10.000		175,578		P	0.8	
10	☐	10.000		161,823		P	0.8	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		795,336		P	0.8	
2	☐	10.000		798,356		P	0.7	
3	☐	10.000		796,258		P	1.0	
4	☐	10.000		805,426		P	0.5	
5	☐	10.000		804,263		P	0.3	
6	☐	10.000		807,724		P	0.9	
7	☐	10.000		817,841		P	1.1	
8	☐	10.000		813,971		P	0.3	
9	☐	10.000		822,617		P	3.0	
10	☐	10.000		773,017		P	1.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		270,640		P	0.7	
2	☐	10.000		269,722		P	1.4	
3	☐	10.000		275,573		P	1.6	
4	☐	10.000		266,769		P	3.5	
5	☐	10.000		277,089		P	1.5	
6	☐	10.000		278,554		P	1.1	
7	☐	10.000		279,128		P	1.5	
8	☐	10.000		277,680		P	2.0	
9	☐	10.000		275,439		P	1.4	
10	☐	10.000		257,342		P	0.6	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	10.000		489,748		P	0.5	
2	☐	10.000		493,241		P	0.7	
3	☐	10.000		495,221		P	1.1	
4	☐	10.000		498,922		P	0.4	
5	☐	10.000		499,544		P	0.4	
6	☐	10.000		498,156		P	0.6	
7	☐	10.000		500,245		P	0.4	
8	☐	10.000		495,533		P	0.5	
9	☐	10.000		494,031		P	3.5	
10	☐	10.000		441,703		P	1.0	

Rinse Blank Report ICPMS6

Sample Name	rinse
File Name	001RINS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b
Acq Time	05/13/2021 22:00:48
Sample Type	Rinse
Total Dilution	1.0000
Comment	rinse - stabilize I.S.
ISTD Ref FileName	—
Sample QC Pass/Fial	Pass
ISTD QC Pass/Fail	Pass
Operator	**ICPMS Analyst**

QC Analyte Table

Name	Mass	Tune Mode	Conc.	Conc. RSD	ISTD
Be	9	No Gas			6
Na	23	He			45
Mg	24	He			45
Al	27	He			45
K	39	He			45
Ca	44	He			45
Ti	47	He			45
V	51	He			74
Cr	52	He			74
Mn	55	He			74
Fe	56	He			74
Co	59	He			74
Ni	60	He			74
Cu	65	He			74
Cu	65	No Gas			74
Zn	66	He			74
As	75	He			74
Se	78	HEHe			74
Mo	95	He			103
Ag	109	No Gas			103
Cd	111	He			103
Cd	111	No Gas			103
Sb	123	No Gas			103
Ba	138	He			159
Tl	205	No Gas			159
Pb	208	No Gas			159

QC ISTD Table

Name	Mass	Tune Mode	ISTD Recovery %	%QC Low	%QC High
Li	6	No Gas		70	120
Ge	74	No Gas		70	120
Rh	103	No Gas		70	120
Tb	159	No Gas		70	120
Bi	209	No Gas		70	120
Sc	45	He		70	120

Rinse Blank Report ICPMS6

Name	Mass	Tune Mode	ISTD Recovery %	%QC Low	%QC High
Ge	74	He		70	120
Rh	103	He		70	120
Tb	159	He		70	120
Ge	74	HEHe		70	120

Rinse Blank Report ICPMS6

Sample Name	rinse
File Name	002RINS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b
Acq Time	05/13/2021 22:05:38
Sample Type	Rinse
Total Dilution	1.0000
Comment	rinse - stabilize I.S.
ISTD Ref FileName	—
Sample QC Pass/Fial	Fail
ISTD QC Pass/Fail	Pass
Operator	**ICPMS Analyst**

QC Analyte Table

Name	Mass	Tune Mode	Conc.	Conc. RSD	ISTD
Be	9	No Gas			6
Na	23	He			45
Mg	24	He			45
Al	27	He			45
K	39	He			45
Ca	44	He			45
Ti	47	He			45
V	51	He			74
Cr	52	He			74
Mn	55	He			74
Fe	56	He			74
Co	59	He			74
Ni	60	He			74
Cu	65	He			74
Cu	65	No Gas			74
Zn	66	He			74
As	75	He			74
Se	78	HEHe			74
Mo	95	He			103
Ag	109	No Gas			103
Cd	111	He			103
Cd	111	No Gas			103
Sb	123	No Gas			103
Ba	138	He			159
Tl	205	No Gas			159
Pb	208	No Gas			159

QC ISTD Table

Name	Mass	Tune Mode	ISTD Recovery %	%QC Low	%QC High
Li	6	No Gas		70	120
Ge	74	No Gas		70	120
Rh	103	No Gas		70	120
Tb	159	No Gas		70	120
Bi	209	No Gas		70	120
Sc	45	He		70	120

Rinse Blank Report ICPMS6

Name	Mass	Tune Mode	ISTD Recovery %	%QC Low	%QC High
Ge	74	He		70	120
Rh	103	He		70	120
Tb	159	He		70	120
Ge	74	HEHe		70	120

Calibration Blank Report ICPMS6

Sample Name	**1E13059-CAL0**	**Sample Type**	CalBlk
File Name	003CALB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:10:29	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	Cal Blank		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	8	24.7
Na	23	45	He	9,694	1.8
Mg	24	45	He	625	11.0
Al	27	45	He	138	15.0
K	39	45	He	39,557	3.1
Ca	44	45	He	195	14.3
Ti	47	45	He	10	88.2
V	51	74	He	894	5.0
Cr	52	74	He	240	7.4
Mn	55	74	He	312	4.4
Fe	56	74	He	9,849	0.3
Co	59	74	He	44	11.5
Ni	60	74	He	139	6.0
Cu	65	74	He	71	39.3
Cu	65	74	No Gas	257	10.6
Zn	66	74	He	98	19.4
As	75	74	He	35	14.2
Se	78	74	HEHe	37	5.1
Mo	95	103	He	9	78.1
[Cd]	106	103	No Gas	4	114.6
[Cd]	108	103	No Gas	9	21.6
Ag	109	103	No Gas	16	49.5
Cd	111	103	He	5	49.5
Cd	111	103	No Gas	2	485.1
Sb	123	103	No Gas	56	27.1
Ba	138	159	He	93	38.6
W	186	159	No Gas	269	13.0
Hg	201	159	No Gas	7	29.0
Tl	205	159	No Gas	42	9.1
Pb	208	159	No Gas	211	10.3

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD
Li	6	No Gas	237,379	0.2
Ge	74	No Gas	520,905	0.5
Rh	103	No Gas	495,831	0.7
Tb	159	No Gas	795,336	0.8
Bi	209	No Gas	489,748	0.5
Sc	45	He	97,258	0.7
Ge	74	He	76,775	0.8

Calibration Blank Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD
Rh	103	He	177,345	0.2
Tb	159	He	270,640	0.7
Ge	74	HEHe	84,515	1.8

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL1**	**Sample Type**	CalStd
File Name	004CALS.d	**Vial #**	2101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:15:34	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E045 JPB 05/12		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	0.192	ug/l	302	19.2	3	0.3000	
Na	23	45	He	5.996	ug/l	12,804	1.1	3	0.2001	
Mg	24	45	He	9.67	ug/l	3,119	1.0	3	0.2001	
Al	27	45	He	8.476	ug/l	1,081	2.5	3	0.2001	
K	39	45	He	4.74	ug/l	41,154	2.5	3	0.2001	
Ca	44	45	He	52.768	ug/l	923	11.1	3	0.2001	
Ti	47	45	He	0.194	ug/l	27	25.0	3	0.3000	RSD Warning
V	51	74	He	0.192	ug/l	1,377	1.3	3	0.3000	
Cr	52	74	He	0.174	ug/l	747	3.1	3	0.3000	
Mn	55	74	He	0.123	ug/l	534	13.4	3	0.3000	
Fe	56	74	He	8.649	ug/l	30,548	0.7	3	0.3000	
Co	59	74	He	0.185	ug/l	761	6.4	3	0.3000	
Ni	60	74	He	0.093	ug/l	230	20.4	3	0.3000	RSD Warning
Cu	65	74	He	0.17	ug/l	278	9.8	3	0.3000	
Cu	65	74	No Gas	0.174	ug/l	884	4.3	3	0.3000	
Zn	66	74	He	0.022	ug/l	109	16.9	3	0.3000	
As	75	74	He	0.175	ug/l	101	3.7	3	2.0001	
Se	78	74	HEHe	0.187	ug/l	46	6.1	3	3.0000	
Mo	95	103	He	0.193	ug/l	284	9.8	3	0.3000	
Ag	109	103	No Gas	0.19	ug/l	1,980	4.7	3	0.3000	
Cd	111	103	He	0.183	ug/l	119	15.3	3	0.5001	
Cd	111	103	No Gas	0.195	ug/l	421	9.6	3	0.3000	
Sb	123	103	No Gas	0.168	ug/l	1,267	6.6	3	0.3000	
Ba	138	159	He	0.176	ug/l	934	5.1	3	0.3000	
W	186	159	No Gas	-0.002	ug/l	257	19.2	3	0.3000	
Hg	201	159	No Gas	6.403	ng/l	15	5.2	3	2.0001	
Tl	205	159	No Gas	0.177	ug/l	3,414	3.1	3	0.3000	
Pb	208	159	No Gas	0.179	ug/l	4,792	0.9	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	236,112	0.8	3	237379.17	99.47	70	120	
Sc	45	He	97,793	2.7	3	97258.1	100.55	70	120	
Ge	74	No Gas	519,571	0.9	3	520904.65	99.74	70	120	
Ge	74	He	77,429	1.1	3	76774.63	100.85	70	120	
Ge	74	HEHe	85,052	0.7	3	84514.92	100.64	70	120	
Rh	103	No Gas	494,720	0.5	3	495830.5	99.78	70	120	
Rh	103	He	178,420	0.5	3	177345.22	100.61	70	120	
Tb	159	No Gas	798,356	0.7	3	795336.23	100.38	70	120	
Tb	159	He	269,722	1.4	3	270640.2	99.66	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	493,241	0.7	3	489748.34	100.71	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL2**	**Sample Type**	CalStd
File Name	005CALS.d	**Vial #**	2102
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:20:38	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E046 JPB 05/12		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	0.915	ug/l	1,406	5.6	3	0.3000	
Na	23	45	He	41.691	ug/l	31,252	0.9	3	0.2001	
Mg	24	45	He	44.995	ug/l	12,296	4.3	3	0.2001	
Al	27	45	He	42.994	ug/l	4,950	1.5	3	0.2001	
K	39	45	He	44.871	ug/l	53,241	2.4	3	0.2001	
Ca	44	45	He	284.343	ug/l	4,135	1.3	3	0.2001	
Ti	47	45	He	0.922	ug/l	90	11.1	3	0.3000	
V	51	74	He	0.937	ug/l	3,266	1.3	3	0.3000	
Cr	52	74	He	0.862	ug/l	2,786	4.3	3	0.3000	
Mn	55	74	He	0.86	ug/l	1,872	0.2	3	0.3000	
Fe	56	74	He	44.892	ug/l	118,451	1.6	3	0.3000	
Co	59	74	He	0.955	ug/l	3,788	3.1	3	0.3000	
Ni	60	74	He	0.936	ug/l	1,058	8.5	3	0.3000	
Cu	65	74	He	0.983	ug/l	1,276	8.5	3	0.3000	
Cu	65	74	No Gas	0.979	ug/l	3,809	2.6	3	0.3000	
Zn	66	74	He	0.731	ug/l	443	7.2	3	0.3000	
As	75	74	He	0.907	ug/l	383	4.0	3	2.0001	
Se	78	74	HEHe	0.905	ug/l	81	1.5	3	3.0000	
Mo	95	103	He	0.938	ug/l	1,358	2.9	3	0.3000	
Ag	109	103	No Gas	0.935	ug/l	9,735	2.2	3	0.3000	
Cd	111	103	He	0.958	ug/l	607	4.7	3	0.5001	
Cd	111	103	No Gas	0.937	ug/l	2,026	2.9	3	0.3000	
Sb	123	103	No Gas	0.916	ug/l	6,668	2.2	3	0.3000	
Ba	138	159	He	0.913	ug/l	4,556	3.3	3	0.3000	
W	186	159	No Gas	-0.006	ug/l	214	1.8	3	0.3000	
Hg	201	159	No Gas	38.799	ng/l	52	4.7	3	2.0001	
Tl	205	159	No Gas	0.92	ug/l	17,480	0.6	3	0.3000	
Pb	208	159	No Gas	0.944	ug/l	24,277	1.1	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	234,628	0.4	3	237379.17	98.84	70	120	
Sc	45	He	98,459	2.2	3	97258.1	101.23	70	120	
Ge	74	No Gas	522,994	0.4	3	520904.65	100.4	70	120	
Ge	74	He	78,431	1.1	3	76774.63	102.16	70	120	
Ge	74	HEHe	85,900	1.3	3	84514.92	101.64	70	120	
Rh	103	No Gas	496,283	0.4	3	495830.5	100.09	70	120	
Rh	103	He	180,097	1.5	3	177345.22	101.55	70	120	
Tb	159	No Gas	796,258	1.0	3	795336.23	100.12	70	120	
Tb	159	He	275,573	1.6	3	270640.2	101.82	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	495,221	1.1	3	489748.34	101.12	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL3**	**Sample Type**	CalStd
File Name	006CALS.d	**Vial #**	2103
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:25:42	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E047 JPB 05/12		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	1.83	ug/l	2,781	4.3	3	0.3000	
Na	23	45	He	88.971	ug/l	53,410	0.5	3	0.2001	
Mg	24	45	He	94.448	ug/l	24,152	2.1	3	0.2001	
Al	27	45	He	94.783	ug/l	10,325	1.7	3	0.2001	
K	39	45	He	93.137	ug/l	64,849	1.3	3	0.2001	
Ca	44	45	He	564.084	ug/l	7,697	0.6	3	0.2001	
Ti	47	45	He	1.636	ug/l	146	11.3	3	0.3000	
V	51	74	He	1.911	ug/l	5,513	4.9	3	0.3000	
Cr	52	74	He	1.834	ug/l	5,439	2.0	3	0.3000	
Mn	55	74	He	1.88	ug/l	3,579	1.4	3	0.3000	
Fe	56	74	He	93.301	ug/l	226,846	1.0	3	0.3000	
Co	59	74	He	1.913	ug/l	7,266	1.4	3	0.3000	
Ni	60	74	He	1.894	ug/l	1,922	1.8	3	0.3000	
Cu	65	74	He	1.98	ug/l	2,401	2.8	3	0.3000	
Cu	65	74	No Gas	1.992	ug/l	7,449	3.1	3	0.3000	
Zn	66	74	He	1.747	ug/l	888	6.4	3	0.3000	
As	75	74	He	1.918	ug/l	743	3.3	3	2.0001	
Se	78	74	HEHe	1.913	ug/l	129	4.8	3	3.0000	
Mo	95	103	He	1.853	ug/l	2,607	4.5	3	0.3000	
Ag	109	103	No Gas	1.849	ug/l	19,207	1.1	3	0.3000	
Cd	111	103	He	1.887	ug/l	1,160	3.6	3	0.5001	
Cd	111	103	No Gas	1.96	ug/l	4,229	5.0	3	0.3000	
Sb	123	103	No Gas	1.825	ug/l	13,209	1.4	3	0.3000	
Ba	138	159	He	1.968	ug/l	9,407	2.2	3	0.3000	
W	186	159	No Gas	-0.007	ug/l	216	8.5	3	0.3000	
Hg	201	159	No Gas	76.479	ng/l	97	6.0	3	2.0001	
Tl	205	159	No Gas	1.833	ug/l	35,192	1.2	3	0.3000	
Pb	208	159	No Gas	1.865	ug/l	48,279	0.8	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	232,735	0.2	3	237379.17	98.04	70	120	
Sc	45	He	94,806	5.4	3	97258.1	97.48	70	120	
Ge	74	No Gas	520,265	0.8	3	520904.65	99.88	70	120	
Ge	74	He	75,699	5.1	3	76774.63	98.6	70	120	
Ge	74	HEHe	85,977	2.7	3	84514.92	101.73	70	120	
Rh	103	No Gas	495,568	0.9	3	495830.5	99.95	70	120	
Rh	103	He	176,103	5.4	3	177345.22	99.3	70	120	
Tb	159	No Gas	805,426	0.5	3	795336.23	101.27	70	120	
Tb	159	He	266,769	3.5	3	270640.2	98.57	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	498,922	0.4	3	489748.34	101.87	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL4**	**Sample Type**	CalStd
File Name	007CALS.d	**Vial #**	2104
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:30:46	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E048 JPB 05/12		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	3.715	ug/l	5,610	3.2	3	0.3000	
Na	23	45	He	175.083	ug/l	98,449	2.0	3	0.2001	
Mg	24	45	He	183.29	ug/l	47,505	1.3	3	0.2001	
Al	27	45	He	184.515	ug/l	20,488	1.0	3	0.2001	
K	39	45	He	176.241	ug/l	90,618	2.2	3	0.2001	
Ca	44	45	He	1106.321	ug/l	15,301	3.9	3	0.2001	
Ti	47	45	He	3.522	ug/l	311	9.6	3	0.3000	
V	51	74	He	3.661	ug/l	10,134	3.8	3	0.3000	
Cr	52	74	He	3.546	ug/l	10,717	2.6	3	0.3000	
Mn	55	74	He	3.463	ug/l	6,589	1.2	3	0.3000	
Fe	56	74	He	179.718	ug/l	445,064	1.0	3	0.3000	
Co	59	74	He	3.722	ug/l	14,667	0.7	3	0.3000	
Ni	60	74	He	3.635	ug/l	3,709	2.3	3	0.3000	
Cu	65	74	He	3.871	ug/l	4,816	2.1	3	0.3000	
Cu	65	74	No Gas	3.897	ug/l	14,258	2.1	3	0.3000	
Zn	66	74	He	3.625	ug/l	1,809	4.5	3	0.3000	
As	75	74	He	3.78	ug/l	1,487	3.7	3	2.0001	
Se	78	74	HEHe	3.792	ug/l	221	4.1	3	3.0000	
Mo	95	103	He	3.68	ug/l	5,302	5.7	3	0.3000	
Ag	109	103	No Gas	3.72	ug/l	38,474	1.1	3	0.3000	
Cd	111	103	He	3.828	ug/l	2,410	0.9	3	0.5001	
Cd	111	103	No Gas	3.838	ug/l	8,247	1.3	3	0.3000	
Sb	123	103	No Gas	3.693	ug/l	26,566	2.3	3	0.3000	
Ba	138	159	He	3.73	ug/l	18,435	1.3	3	0.3000	
W	186	159	No Gas	-0.01	ug/l	184	19.3	3	0.3000	
Hg	201	159	No Gas	139.784	ng/l	172	3.2	3	2.0001	
Tl	205	159	No Gas	3.676	ug/l	70,430	0.7	3	0.3000	
Pb	208	159	No Gas	3.698	ug/l	95,405	0.6	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	231,523	0.5	3	237379.17	97.53	70	120	
Sc	45	He	97,068	1.9	3	97258.1	99.8	70	120	
Ge	74	No Gas	517,743	0.2	3	520904.65	99.39	70	120	
Ge	74	He	78,629	2.6	3	76774.63	102.42	70	120	
Ge	74	HEHe	86,657	1.3	3	84514.92	102.53	70	120	
Rh	103	No Gas	493,661	0.6	3	495830.5	99.56	70	120	
Rh	103	He	180,138	2.3	3	177345.22	101.57	70	120	
Tb	159	No Gas	804,263	0.3	3	795336.23	101.12	70	120	
Tb	159	He	277,089	1.5	3	270640.2	102.38	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	499,544	0.4	3	489748.34	102	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL5**	**Sample Type**	CalStd
File Name	008CALS.d	**Vial #**	2105
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:35:50	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E049 JPB 05/12		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	9.834	ug/l	14,923	1.7	3	0.3000	
Na	23	45	He	396.08	ug/l	213,101	0.7	3	0.2001	
Mg	24	45	He	406.283	ug/l	105,844	1.8	3	0.2001	
Al	27	45	He	402.533	ug/l	45,098	1.8	3	0.2001	
K	39	45	He	400.643	ug/l	157,678	1.4	3	0.2001	
Ca	44	45	He	406.266	ug/l	5,813	2.5	3	0.2001	
Ti	47	45	He	19.633	ug/l	1,708	2.1	3	0.3000	
V	51	74	He	20.163	ug/l	51,574	1.1	3	0.3000	
Cr	52	74	He	19.732	ug/l	58,415	1.1	3	0.3000	
Mn	55	74	He	19.594	ug/l	35,735	0.9	3	0.3000	
Fe	56	74	He	401.17	ug/l	979,396	0.7	3	0.3000	
Co	59	74	He	20.649	ug/l	81,035	1.6	3	0.3000	
Ni	60	74	He	20.923	ug/l	20,646	1.3	3	0.3000	
Cu	65	74	He	21.567	ug/l	26,463	0.6	3	0.3000	
Cu	65	74	No Gas	21.593	ug/l	78,102	0.1	3	0.3000	
Zn	66	74	He	20.532	ug/l	9,758	0.8	3	0.3000	
As	75	74	He	20.188	ug/l	7,774	0.2	3	2.0001	
Se	78	74	HEHe	10.118	ug/l	525	2.6	3	3.0000	
Mo	95	103	He	9.944	ug/l	14,430	1.0	3	0.3000	
Ag	109	103	No Gas	10.071	ug/l	104,439	1.1	3	0.3000	
Cd	111	103	He	20.244	ug/l	12,842	1.4	3	0.5001	
Cd	111	103	No Gas	20.678	ug/l	44,555	0.7	3	0.3000	
Sb	123	103	No Gas	9.923	ug/l	71,504	0.7	3	0.3000	
Ba	138	159	He	20.173	ug/l	99,822	1.4	3	0.3000	
W	186	159	No Gas	-0.008	ug/l	208	4.9	3	0.3000	
Hg	201	159	No Gas	396.31	ng/l	475	1.6	3	2.0001	
Tl	205	159	No Gas	10.063	ug/l	193,539	0.1	3	0.3000	
Pb	208	159	No Gas	20.363	ug/l	526,601	0.3	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	232,878	0.3	3	237379.17	98.1	70	120	
Sc	45	He	98,278	1.4	3	97258.1	101.05	70	120	
Ge	74	No Gas	519,482	0.3	3	520904.65	99.73	70	120	
Ge	74	He	78,475	0.5	3	76774.63	102.21	70	120	
Ge	74	HEHe	86,422	1.7	3	84514.92	102.26	70	120	
Rh	103	No Gas	495,154	1.0	3	495830.5	99.86	70	120	
Rh	103	He	181,706	1.1	3	177345.22	102.46	70	120	
Tb	159	No Gas	807,724	0.9	3	795336.23	101.56	70	120	
Tb	159	He	278,554	1.1	3	270640.2	102.92	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	498,156	0.6	3	489748.34	101.72	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL6**	**Sample Type**	CalStd
File Name	009CALS.d	**Vial #**	2106
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:40:54	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E006		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	50.372	ug/l	75,755	0.7	3	0.3000	
Na	23	45	He	2432.791	ug/l	1,242,547	1.3	3	0.2001	
Mg	24	45	He	2479.936	ug/l	634,629	1.3	3	0.2001	
Al	27	45	He	2482.008	ug/l	273,825	1.6	3	0.2001	
K	39	45	He	2483.63	ug/l	759,759	1.1	3	0.2001	
Ca	44	45	He	15294.041	ug/l	208,936	1.4	3	0.2001	
Ti	47	45	He	50.543	ug/l	4,326	2.4	3	0.3000	
V	51	74	He	50.001	ug/l	126,183	1.6	3	0.3000	
Cr	52	74	He	48.26	ug/l	142,100	1.0	3	0.3000	
Mn	55	74	He	49.125	ug/l	88,855	1.1	3	0.3000	
Fe	56	74	He	2425.387	ug/l	5,852,701	0.2	3	0.3000	
Co	59	74	He	51.032	ug/l	199,616	0.9	3	0.3000	
Ni	60	74	He	51.324	ug/l	50,286	0.3	3	0.3000	
Cu	65	74	He	52.391	ug/l	63,998	1.2	3	0.3000	
Cu	65	74	No Gas	52.402	ug/l	189,459	1.0	3	0.3000	
Zn	66	74	He	51.011	ug/l	24,030	2.5	3	0.3000	
As	75	74	He	50.652	ug/l	19,397	1.0	3	2.0001	
Se	78	74	HEHe	51.035	ug/l	2,499	1.9	3	3.0000	
Mo	95	103	He	50.428	ug/l	71,404	1.0	3	0.3000	
Ag	109	103	No Gas	50.61	ug/l	521,249	1.4	3	0.3000	
Cd	111	103	He	51.407	ug/l	31,828	1.5	3	0.5001	
Cd	111	103	No Gas	52.159	ug/l	111,622	1.1	3	0.3000	
Sb	123	103	No Gas	50.295	ug/l	359,694	0.3	3	0.3000	
Ba	138	159	He	50.748	ug/l	251,478	1.4	3	0.3000	
W	186	159	No Gas	-0.003	ug/l	251	0.8	3	0.3000	
Hg	201	159	No Gas	1992.123	ng/l	2,390	1.0	3	2.0001	
Tl	205	159	No Gas	49.785	ug/l	969,370	0.9	3	0.3000	
Pb	208	159	No Gas	50.029	ug/l	1,309,615	0.2	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	230,881	0.3	3	237379.17	97.26	70	120	
Sc	45	He	97,022	2.0	3	97258.1	99.76	70	120	
Ge	74	No Gas	520,271	0.3	3	520904.65	99.88	70	120	
Ge	74	He	78,267	2.4	3	76774.63	101.94	70	120	
Ge	74	HEHe	86,436	0.3	3	84514.92	102.27	70	120	
Rh	103	No Gas	491,741	0.5	3	495830.5	99.18	70	120	
Rh	103	He	177,380	1.4	3	177345.22	100.02	70	120	
Tb	159	No Gas	817,841	1.1	3	795336.23	102.83	70	120	
Tb	159	He	279,128	1.5	3	270640.2	103.14	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	500,245	0.4	3	489748.34	102.14	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL7**	**Sample Type**	CalStd
File Name	010CALS.d	**Vial #**	2107
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:45:57	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E007		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	99.826	ug/l	150,402	0.2	3	0.3000	
Na	23	45	He	3937.564	ug/l	2,019,621	0.8	3	0.2001	
Mg	24	45	He	3981.486	ug/l	1,025,820	0.6	3	0.2001	
Al	27	45	He	3996.482	ug/l	444,040	1.5	3	0.2001	
K	39	45	He	3996.038	ug/l	1,207,104	1.0	3	0.2001	
Ca	44	45	He	4050.449	ug/l	55,889	2.3	3	0.2001	
Ti	47	45	He	197.264	ug/l	16,984	3.8	3	0.3000	
V	51	74	He	197.706	ug/l	501,215	1.0	3	0.3000	
Cr	52	74	He	192.395	ug/l	571,522	1.6	3	0.3000	
Mn	55	74	He	192.807	ug/l	351,330	1.3	3	0.3000	
Fe	56	74	He	3857.365	ug/l	9,397,570	1.2	3	0.3000	
Co	59	74	He	199.234	ug/l	787,076	1.2	3	0.3000	
Ni	60	74	He	204.762	ug/l	202,227	0.6	3	0.3000	
Cu	65	74	He	208.011	ug/l	256,431	1.1	3	0.3000	
Cu	65	74	No Gas	206.432	ug/l	744,428	0.6	3	0.3000	
Zn	66	74	He	202.76	ug/l	96,159	1.0	3	0.3000	
As	75	74	He	200.027	ug/l	77,266	1.3	3	2.0001	
Se	78	74	HEHe	99.462	ug/l	4,907	0.5	3	3.0000	
Mo	95	103	He	99.787	ug/l	142,690	2.2	3	0.3000	
Ag	109	103	No Gas	99.682	ug/l	1,021,014	0.4	3	0.3000	
Cd	111	103	He	201.756	ug/l	126,124	1.4	3	0.5001	
Cd	111	103	No Gas	207.799	ug/l	442,255	0.5	3	0.3000	
Sb	123	103	No Gas	99.856	ug/l	710,177	0.9	3	0.3000	
Ba	138	159	He	201.232	ug/l	991,637	1.4	3	0.3000	
W	186	159	No Gas	0.002	ug/l	293	7.5	3	0.3000	
Hg	201	159	No Gas	4004.353	ng/l	4,774	0.9	3	2.0001	
Tl	205	159	No Gas	100.098	ug/l	1,939,809	1.1	3	0.3000	
Pb	208	159	No Gas	199.954	ug/l	5,209,128	1.1	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	231,315	0.3	3	237379.17	97.45	70	120	
Sc	45	He	97,735	2.3	3	97258.1	100.49	70	120	
Ge	74	No Gas	519,473	0.9	3	520904.65	99.73	70	120	
Ge	74	He	79,047	1.8	3	76774.63	102.96	70	120	
Ge	74	HEHe	87,738	1.2	3	84514.92	103.81	70	120	
Rh	103	No Gas	489,055	0.5	3	495830.5	98.63	70	120	
Rh	103	He	179,143	2.4	3	177345.22	101.01	70	120	
Tb	159	No Gas	813,971	0.3	3	795336.23	102.34	70	120	
Tb	159	He	277,680	2.0	3	270640.2	102.6	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	495,533	0.5	3	489748.34	101.18	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL8**	**Sample Type**	CalStd
File Name	011CALS.d	**Vial #**	2108
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:50:55	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E009		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	0.036	ug/l	62	8.2	3	0.3000	
Na	23	45	He	9644.929	ug/l	4,838,349	0.5	3	0.2001	
Mg	24	45	He	9950.44	ug/l	2,513,711	1.0	3	0.2001	
Al	27	45	He	9953.449	ug/l	1,084,354	0.5	3	0.2001	
K	39	45	He	9850.018	ug/l	2,861,319	0.8	3	0.2001	
Ca	44	45	He	10122.448	ug/l	136,685	1.3	3	0.2001	
Ti	47	45	He	498.59	ug/l	42,071	1.2	3	0.3000	
V	51	74	He	500.91	ug/l	1,248,755	1.2	3	0.3000	
Cr	52	74	He	486.602	ug/l	1,422,521	0.8	3	0.3000	
Mn	55	74	He	476.737	ug/l	854,715	1.2	3	0.3000	
Fe	56	74	He	9725.2	ug/l	23,309,731	1.0	3	0.3000	
Co	59	74	He	500.176	ug/l	1,945,095	0.5	3	0.3000	
Ni	60	74	He	495.419	ug/l	481,521	0.7	3	0.3000	
Cu	65	74	He	500.929	ug/l	607,842	0.8	3	0.3000	
Cu	65	74	No Gas	500.03	ug/l	1,830,000	1.0	3	0.3000	
Zn	66	74	He	496.876	ug/l	231,846	1.3	3	0.3000	
As	75	74	He	499.915	ug/l	190,053	0.8	3	2.0001	
Se	78	74	HEHe	0.118	ug/l	43	3.9	3	3.0000	
Mo	95	103	He	0.113	ug/l	168	6.1	3	0.3000	
Ag	109	103	No Gas	0.008	ug/l	98	22.2	3	0.3000	RSD Warning
Cd	111	103	He	499.145	ug/l	305,872	1.2	3	0.5001	
Cd	111	103	No Gas	496.635	ug/l	1,063,805	0.5	3	0.3000	
Sb	123	103	No Gas	0.129	ug/l	975	10.1	3	0.3000	
Ba	138	159	He	497.121	ug/l	2,429,791	0.5	3	0.3000	
W	186	159	No Gas	100	ug/l	882,697	0.1	3	0.3000	
Hg	201	159	No Gas	59.704	ng/l	79	5.1	3	2.0001	
Tl	205	159	No Gas	0.026	ug/l	554	11.3	3	0.3000	
Pb	208	159	No Gas	479.107	ug/l	12,605,768	0.3	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	233,359	2.3	3	237379.17	98.31	70	120	
Sc	45	He	95,846	1.1	3	97258.1	98.55	70	120	
Ge	74	No Gas	527,682	3.1	3	520904.65	101.3	70	120	
Ge	74	He	77,817	1.6	3	76774.63	101.36	70	120	
Ge	74	HEHe	85,436	1.3	3	84514.92	101.09	70	120	
Rh	103	No Gas	492,481	2.6	3	495830.5	99.32	70	120	
Rh	103	He	175,578	0.8	3	177345.22	99	70	120	
Tb	159	No Gas	822,617	3.0	3	795336.23	103.43	70	120	
Tb	159	He	275,439	1.4	3	270640.2	101.77	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	494,031	3.5	3	489748.34	100.87	70	120	

Calibration Standard Report ICPMS6

Sample Name	**1E13059-CAL9**	**Sample Type**	CalStd
File Name	012CALS.d	**Vial #**	2109
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 22:55:51	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E010		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Raw Conc.	Units	CPS	CPS RSD	Rep	Int. sec	QC Flag
Be	9	6	No Gas	0.022	ug/l	40	30.0	3	0.3000	RSD Warning
Na	23	45	He	50079.423	ug/l	25,886,239	0.6	3	0.2001	
Mg	24	45	He	50012.326	ug/l	13,036,999	0.5	3	0.2001	
Al	27	45	He	50010.448	ug/l	5,622,562	0.5	3	0.2001	
K	39	45	He	50031.135	ug/l	14,834,795	0.5	3	0.2001	
Ca	44	45	He	49882.434	ug/l	694,349	0.5	3	0.2001	
Ti	47	45	He	2500.493	ug/l	217,718	1.5	3	0.3000	
V	51	74	He	-0.007	ug/l	856	3.7	3	0.3000	
Cr	52	74	He	1008.313	ug/l	2,837,100	0.3	3	0.3000	
Mn	55	74	He	2505.249	ug/l	4,322,113	0.3	3	0.3000	
Fe	56	74	He	50070.087	ug/l	115,485,771	1.2	3	0.3000	
Co	59	74	He	0.169	ug/l	676	6.0	3	0.3000	
Ni	60	74	He	1001.253	ug/l	936,662	0.8	3	0.3000	
Cu	65	74	He	997.781	ug/l	1,165,397	0.5	3	0.3000	
Cu	65	74	No Gas	998.545	ug/l	3,405,071	0.5	3	0.3000	
Zn	66	74	He	2500.379	ug/l	1,122,595	0.4	3	0.3000	
As	75	74	He	0.16	ug/l	92	6.0	3	2.0001	
Se	78	74	HEHe	0.14	ug/l	45	7.1	3	3.0000	
Mo	95	103	He	0.134	ug/l	181	9.3	3	0.3000	
Ag	109	103	No Gas	0.011	ug/l	119	9.8	3	0.3000	
Cd	111	103	He	0.866	ug/l	493	4.3	3	0.5001	
Cd	111	103	No Gas	0.847	ug/l	1,656	5.1	3	0.3000	
Sb	123	103	No Gas	1.02	ug/l	6,715	2.4	3	0.3000	
Ba	138	159	He	2500.46	ug/l	11,419,986	1.3	3	0.3000	
W	186	159	No Gas	0.302	ug/l	2,767	4.9	3	0.3000	
Hg	201	159	No Gas	10.93	ng/l	19	11.7	3	2.0001	
Tl	205	159	No Gas	0.007	ug/l	166	18.3	3	0.3000	
Pb	208	159	No Gas	0.119	ug/l	3,160	3.1	3	0.3000	

QC ISTD Table

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	224,425	1.4	3	237379.17	94.54	70	120	
Sc	45	He	98,915	0.8	3	97258.1	101.7	70	120	
Ge	74	No Gas	491,345	0.3	3	520904.65	94.33	70	120	
Ge	74	He	74,903	1.0	3	76774.63	97.56	70	120	
Ge	74	HEHe	87,889	3.5	3	84514.92	103.99	70	120	
Rh	103	No Gas	449,183	0.2	3	495830.5	90.59	70	120	
Rh	103	He	161,823	0.8	3	177345.22	91.25	70	120	
Tb	159	No Gas	773,017	1.1	3	795336.23	97.19	70	120	
Tb	159	He	257,342	0.6	3	270640.2	95.09	70	120	

Calibration Standard Report ICPMS6

Name	Mass	Tune	CPS	CPS RSD	Rep	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	441,703	1.0	3	489748.34	90.19	70	120	

Initial Calibration Verification (ICV) Report ICPMS6

Sample Name	**1E13059-ICV1**	**Sample Type**	ICV
File Name	013_ICV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 23:00:49	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	ExpValue	% Rec	%QC Low	%QC High	QC Flag
Be	9	6	No Gas	41.692	ug/l	6.3	65,688	40	104.23	89.5	110.5	
Na	23	45	He	8085.768	ug/l	2.2	4,371,507	8000	101.07	89.5	110.5	
Mg	24	45	He	8297.945	ug/l	1.8	2,258,582	8000	103.72	89.5	110.5	
Al	27	45	He	8182.143	ug/l	1.3	960,488	8000	102.28	89.5	110.5	
K	39	45	He	8106.883	ug/l	0.3	2,544,981	8000	101.34	89.5	110.5	
Ca	44	45	He	8076.169	ug/l	0.9	117,542	8000	100.95	89.5	110.5	
Ti	47	45	He	101.349	ug/l	0.5	9,224	100	101.35	89.5	110.5	
V	51	74	He	101.192	ug/l	0.8	262,527	100	101.19	89.5	110.5	
Cr	52	74	He	98.908	ug/l	1.9	300,229	100	98.91	89.5	110.5	
Mn	55	74	He	101.197	ug/l	0.7	188,533	100	101.2	89.5	110.5	
Fe	56	74	He	8119.326	ug/l	1.0	20,195,276	8000	101.49	89.5	110.5	
Co	59	74	He	102.671	ug/l	0.4	414,374	100	102.67	89.5	110.5	
Ni	60	74	He	99.886	ug/l	0.2	100,868	100	99.89	89.5	110.5	
Cu	65	74	He	103.293	ug/l	0.2	130,131	100	103.29	89.5	110.5	
Cu	65	74	No Gas	107.830	ug/l	6.2	390,492	100	107.83	89.5	110.5	
Zn	66	74	He	98.211	ug/l	0.6	47,639	100	98.21	89.5	110.5	
As	75	74	He	100.096	ug/l	0.9	39,520	100	100.1	89.5	110.5	
Se	78	74	HEHe	40.741	ug/l	1.4	2,096	40	101.85	89.5	110.5	
Mo	95	103	He	40.765	ug/l	1.2	57,522	40	101.91	89.5	110.5	
Ag	109	103	No Gas	40.954	ug/l	6.1	415,369	40	102.38	89.5	110.5	
Cd	111	103	He	103.611	ug/l	1.1	63,919	100	103.61	89.5	110.5	
Cd	111	103	No Gas	110.043	ug/l	5.5	231,957	100	110.04	89.5	110.5	
Sb	123	103	No Gas	42.996	ug/l	7.0	302,713	40	107.49	89.5	110.5	
Ba	138	159	He	99.902	ug/l	0.7	481,560	100	99.9	89.5	110.5	
Hg	201	159	No Gas	841.256	ng/l	8.2	984	800	105.16	89.5	110.5	
Tl	205	159	No Gas	41.180	ug/l	5.8	779,076	40	102.95	89.5	110.5	
Pb	208	159	No Gas	104.613	ug/l	6.7	2,659,671	100	104.61	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	242,399	5.1	237379.17	102.11	70	120	
Ge	74	No Gas	522,762	5.9	520904.65	100.36	70	120	
Rh	103	No Gas	485,425	6.0	495830.5	97.9	70	120	
Tb	159	No Gas	796,366	5.7	795336.23	100.13	70	120	
Bi	209	No Gas	479,134	5.1	489748.34	97.83	70	120	
Sc	45	He	103,279	1.9	97258.1	106.19	70	120	
Ge	74	He	80,747	1.5	76774.63	105.17	70	120	
Rh	103	He	176,744	0.9	177345.22	99.66	70	120	
Tb	159	He	271,561	1.2	270640.2	100.34	70	120	

Initial Calibration Verification (ICV) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	90,500	2.0	84514.92	107.08	70	120	

Initial Calibration Blank (ICB) Report ICPMS6

Sample Name	**1E13059-ICB1**	**Sample Type**	ICB
File Name	014_ICB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 23:05:38	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	ICB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.029	ug/l	28.0	56	0.09	
Na	23	45	He	1.136	ug/l	24.2	10,634	45	
Mg	24	45	He	0.113	ug/l	134.6	676	45	
Al	27	45	He	-0.043	ug/l	N/A	138	22.5	
K	39	45	He	2.839	ug/l	123.4	41,800	45	
Ca	44	45	He	-1.530	ug/l	N/A	180	270	
Ti	47	45	He	-0.042	ug/l	N/A	7	1.8	
V	51	74	He	-0.016	ug/l	N/A	869	0.9	
Cr	52	74	He	0.019	ug/l	60.2	300	0.45	
Mn	55	74	He	-0.004	ug/l	N/A	311	0.45	
Fe	56	74	He	0.577	ug/l	37.5	11,406	22.5	
Co	59	74	He	0.013	ug/l	6.8	96	0.45	
Ni	60	74	He	0.023	ug/l	160.1	163	0.9	
Cu	65	74	He	0.026	ug/l	56.8	104	0.9	
Cu	65	74	No Gas	0.028	ug/l	33.5	366	0.9	
Zn	66	74	He	-0.013	ug/l	N/A	93	1.8	
As	75	74	He	0.036	ug/l	25.6	49	0.45	
Se	78	74	HEHe	0.056	ug/l	19.8	42	0.45	
Mo	95	103	He	0.035	ug/l	18.1	58	0.45	
Ag	109	103	No Gas	0.002	ug/l	43.3	39	0.09	
Cd	111	103	He	-0.003	ug/l	N/A	3	0.09	
Cd	111	103	No Gas	0.004	ug/l	109.5	11	0.09	
Sb	123	103	No Gas	0.046	ug/l	10.1	400	0.45	
Ba	138	159	He	0.007	ug/l	9.6	123	0.45	
Hg	201	159	No Gas	7.584	ng/l	42.5	17	36	
Tl	205	159	No Gas	0.004	ug/l	23.4	120	0.09	
Pb	208	159	No Gas	0.008	ug/l	14.4	420	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	250,462	0.8	237379.17	105.51	70	120	
Ge	74	No Gas	529,900	0.8	520904.65	101.73	70	120	
Rh	103	No Gas	510,097	0.7	495830.5	102.88	70	120	
Tb	159	No Gas	820,183	0.7	795336.23	103.12	70	120	
Bi	209	No Gas	499,148	0.4	489748.34	101.92	70	120	
Sc	45	He	100,699	1.2	97258.1	103.54	70	120	
Ge	74	He	78,099	0.5	76774.63	101.73	70	120	
Rh	103	He	177,084	0.8	177345.22	99.85	70	120	
Tb	159	He	264,097	0.3	270640.2	97.58	70	120	

Initial Calibration Blank (ICB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	90,078	0.4	84514.92	106.58	70	120	

Interference Check Solution A (ICS-A) Report ICPMS6

Sample Name	**1E13059-IFA1**	**Sample Type**	ICSA
File Name	015ICSA.d	**Vial #**	2111
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 23:10:28	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E115		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	ExpValue	QC Flag
Be	9	6	No Gas	0.023	ug/l	12.2	41	0.18	
Na	23	45	He	257721.865	ug/l	3.8	127,161,902	250000	
Mg	24	45	He	102514.754	ug/l	3.8	25,515,967	100000	
Al	27	45	He	103367.208	ug/l	3.7	11,096,674	100000	
K	39	45	He	102971.775	ug/l	4.0	29,112,124	100000	
Ca	44	45	He	302636.533	ug/l	4.2	4,021,077	300000	
Ti	47	45	He	2093.339	ug/l	4.1	174,022	2000	
V	51	74	He	0.084	ug/l	23.2	991	0.9	
Cr	52	74	He	1.341	ug/l	1.3	3,697	0.9	
Mn	55	74	He	3.918	ug/l	4.7	6,514	0.9	ICSA Warning
Fe	56	74	He	255261.894	ug/l	3.6	542,892,272	250000	
Co	59	74	He	0.776	ug/l	2.6	2,718	0.18	ICSA Warning
Ni	60	74	He	0.268	ug/l	9.0	357	0.9	
Cu	65	74	He	0.462	ug/l	6.6	562	0.9	
Cu	65	74	No Gas	1.988	ug/l	2.8	6,723	0.9	ICSA Warning
Zn	66	74	He	0.773	ug/l	13.1	408	3.6	
As	75	74	He	0.134	ug/l	8.7	76	0.9	
Se	78	74	HEHe	0.141	ug/l	38.2	42	0.9	
Mo	95	103	He	2257.321	ug/l	4.4	2,535,228	2000	
Cd	111	103	He	0.890	ug/l	6.5	441	0.18	ICSA Warning
Cd	111	103	No Gas	0.283	ug/l	20.0	515	0.18	
Sb	123	103	No Gas	0.148	ug/l	10.4	944	0.9	
Ba	138	159	He	0.526	ug/l	3.0	2,254	0.9	
W	186	159	No Gas	102.434	ug/l	1.2	817,639	100	
Hg	201	159	No Gas	54.042	ng/l	8.3	66	72	
Tl	205	159	No Gas	0.005	ug/l	8.2	120	0.18	
Pb	208	159	No Gas	0.168	ug/l	3.3	4,183	0.18	

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QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	222,418	0.8	237379.17	93.7	70	120	
Ge	74	No Gas	470,542	0.3	520904.65	90.33	70	120	
Rh	103	No Gas	417,700	1.2	495830.5	84.24	70	120	
Tb	159	No Gas	743,503	1.4	795336.23	93.48	70	120	
Bi	209	No Gas	415,298	1.0	489748.34	84.8	70	120	
Sc	45	He	94,530	3.5	97258.1	97.19	70	120	
Ge	74	He	69,118	2.8	76774.63	90.03	70	120	
Rh	103	He	140,836	3.2	177345.22	79.41	70	120	
Tb	159	He	233,052	3.1	270640.2	86.11	70	120	

Interference Check Solution A (ICS-A) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	82,557	0.3	84514.92	97.68	70	120	

Interference Check Solution AB (ICS-AB) Report ICPMS6

Sample Name	**1E13059-IFB1**	**Sample Type**	ICSB
File Name	016ICSB.d	**Vial #**	2112
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/13/2021 23:15:20	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21E116		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	ExpValue	Flag
Be	9	6	No Gas	0.024	ug/l	15.7	41	0.18	
Na	23	45	He	260166.366	ug/l	0.3	123,963,825	250000	
Mg	24	45	He	104652.659	ug/l	0.1	25,153,653	100000	
Al	27	45	He	104734.744	ug/l	0.2	10,857,419	100000	
K	39	45	He	102953.136	ug/l	0.6	28,107,908	100000	
Ca	44	45	He	306929.249	ug/l	0.5	3,938,416	300000	
Ti	47	45	He	2047.924	ug/l	0.1	164,417	2000	
V	51	74	He	213.931	ug/l	1.3	460,004	200	
Cr	52	74	He	201.014	ug/l	1.4	506,453	200	
Mn	55	74	He	209.202	ug/l	1.6	323,307	200	
Fe	56	74	He	258299.143	ug/l	1.1	533,229,219	250000	
Co	59	74	He	200.887	ug/l	1.1	673,185	200	
Ni	60	74	He	193.660	ug/l	1.3	162,268	200	
Cu	65	74	He	191.158	ug/l	1.1	199,908	200	
Cu	65	74	No Gas	192.812	ug/l	0.4	609,830	200	
Zn	66	74	He	94.563	ug/l	0.8	38,089	100	
As	75	74	He	100.095	ug/l	1.2	32,814	100	
Se	78	74	HEHe	101.980	ug/l	1.8	4,667	100	
Mo	95	103	He	2288.049	ug/l	1.4	2,515,022	2000	
Ag	109	103	No Gas	49.708	ug/l	1.8	419,891	50	
Cd	111	103	He	105.786	ug/l	0.6	50,854	100	
Cd	111	103	No Gas	108.338	ug/l	1.3	190,161	100	
Sb	123	103	No Gas	0.153	ug/l	5.4	944	0.9	
Ba	138	159	He	1.715	ug/l	1.4	7,101	100	ICSB Warning
W	186	159	No Gas	103.615	ug/l	0.6	812,684	100	
Hg	201	159	No Gas	2038.422	ng/l	2.0	2,184	2000	
Tl	205	159	No Gas	0.002	ug/l	50.7	67	0.18	
Pb	208	159	No Gas	0.199	ug/l	3.7	4,847	0.18	

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QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	219,111	0.6	237379.17	92.3	70	120	
Ge	74	No Gas	455,583	0.6	520904.65	87.46	70	120	
Rh	103	No Gas	403,393	1.9	495830.5	81.36	70	120	
Tb	159	No Gas	730,539	0.8	795336.23	91.85	70	120	
Bi	209	No Gas	406,191	0.9	489748.34	82.94	70	120	
Sc	45	He	91,205	0.7	97258.1	93.78	70	120	
Ge	74	He	67,054	1.7	76774.63	87.34	70	120	
Rh	103	He	137,728	1.3	177345.22	77.66	70	120	

Interference Check Solution AB (ICS-AB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Tb	159	He	230,726	1.1	270640.2	85.25	70	120	
Ge	74	HEHe	81,412	1.5	84514.92	96.33	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV1**	**Sample Type**	CCV
File Name	027_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 00:08:49	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.315	ug/l	0.8	59,807	40	100.79	89.5	110.5	
Na	23	45	He	8250.514	ug/l	1.6	3,987,319	8000	103.13	89.5	110.5	
Mg	24	45	He	8488.462	ug/l	1.8	2,065,348	8000	106.11	89.5	110.5	
Al	27	45	He	8141.785	ug/l	0.9	854,343	8000	101.77	89.5	110.5	
K	39	45	He	8165.415	ug/l	1.3	2,290,763	8000	102.07	89.5	110.5	
Ca	44	45	He	8085.556	ug/l	1.1	105,184	8000	101.07	89.5	110.5	
Ti	47	45	He	100.854	ug/l	1.2	8,204	100	100.85	89.5	110.5	
V	51	74	He	102.216	ug/l	1.0	240,023	100	102.22	89.5	110.5	
Cr	52	74	He	99.433	ug/l	0.5	273,211	100	99.43	89.5	110.5	
Mn	55	74	He	101.703	ug/l	1.6	171,496	100	101.7	89.5	110.5	
Fe	56	74	He	8380.527	ug/l	0.9	18,867,723	8000	104.76	89.5	110.5	
Co	59	74	He	104.749	ug/l	0.5	382,657	100	104.75	89.5	110.5	
Ni	60	74	He	101.427	ug/l	0.2	92,703	100	101.43	89.5	110.5	
Cu	65	74	He	105.585	ug/l	0.6	120,392	100	105.58	89.5	110.5	
Cu	65	74	No Gas	104.605	ug/l	0.6	370,037	100	104.61	89.5	110.5	
Zn	66	74	He	99.818	ug/l	1.5	43,820	100	99.82	89.5	110.5	
As	75	74	He	100.107	ug/l	1.1	35,773	100	100.11	89.5	110.5	
Se	78	74	HEHe	40.330	ug/l	1.3	1,960	40	100.82	89.5	110.5	
Mo	95	103	He	40.620	ug/l	2.5	53,686	40	101.55	89.5	110.5	
Ag	109	103	No Gas	39.481	ug/l	0.6	393,214	40	98.7	89.5	110.5	
Cd	111	103	He	103.347	ug/l	2.2	59,720	100	103.35	89.5	110.5	
Cd	111	103	No Gas	106.368	ug/l	0.6	220,128	100	106.37	89.5	110.5	
Sb	123	103	No Gas	41.822	ug/l	1.1	289,244	40	104.56	89.5	110.5	
Ba	138	159	He	97.282	ug/l	0.5	447,147	100	97.28	89.5	110.5	
Hg	201	159	No Gas	815.399	ng/l	1.7	961	800	101.92	89.5	110.5	
Tl	205	159	No Gas	39.935	ug/l	1.3	760,942	40	99.84	89.5	110.5	
Pb	208	159	No Gas	103.725	ug/l	2.0	2,656,825	100	103.72	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	227,753	1.0	237379.17	95.94	70	120	
Ge	74	No Gas	509,402	0.7	520904.65	97.79	70	120	
Rh	103	No Gas	475,538	0.8	495830.5	95.91	70	120	
Tb	159	No Gas	800,330	0.7	795336.23	100.63	70	120	
Bi	209	No Gas	486,266	0.6	489748.34	99.29	70	120	
Sc	45	He	92,315	1.4	97258.1	94.92	70	120	
Ge	74	He	73,084	0.2	76774.63	95.19	70	120	
Rh	103	He	165,609	2.3	177345.22	93.38	70	120	
Tb	159	He	258,951	1.0	270640.2	95.68	70	120	
Ge	74	HEHe	85,434	0.2	84514.92	101.09	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB1**	**Sample Type**	CCB
File Name	028_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 00:13:40	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.025	ug/l	18.3	46	0.09	
Na	23	45	He	-0.497	ug/l	N/A	9,025	45	
Mg	24	45	He	0.113	ug/l	23.7	625	45	
Al	27	45	He	-0.006	ug/l	N/A	132	22.5	
K	39	45	He	-6.803	ug/l	N/A	35,921	45	
Ca	44	45	He	-3.023	ug/l	N/A	147	270	
Ti	47	45	He	0.006	ug/l	1160.1	10	1.8	
V	51	74	He	-0.099	ug/l	N/A	608	0.9	
Cr	52	74	He	-0.007	ug/l	N/A	206	0.45	
Mn	55	74	He	0.009	ug/l	80.8	306	0.45	
Fe	56	74	He	1.634	ug/l	15.2	12,788	22.5	
Co	59	74	He	0.018	ug/l	56.3	106	0.45	
Ni	60	74	He	0.042	ug/l	28.0	167	0.9	
Cu	65	74	He	0.013	ug/l	203.1	81	0.9	
Cu	65	74	No Gas	0.014	ug/l	3.2	299	0.9	
Zn	66	74	He	-0.024	ug/l	N/A	81	1.8	
As	75	74	He	-0.002	ug/l	N/A	32	0.45	
Se	78	74	HEHe	0.054	ug/l	172.0	40	0.45	
Mo	95	103	He	0.044	ug/l	14.6	66	0.45	
Ag	109	103	No Gas	0.001	ug/l	117.7	21	0.09	
Cd	111	103	He	-0.001	ug/l	N/A	4	0.09	
Cd	111	103	No Gas	0.007	ug/l	52.7	17	0.09	
Sb	123	103	No Gas	0.034	ug/l	31.1	298	0.45	
Ba	138	159	He	0.003	ug/l	201.3	100	0.45	
Hg	201	159	No Gas	8.139	ng/l	1.1	17	36	
Tl	205	159	No Gas	0.004	ug/l	24.9	119	0.09	
Pb	208	159	No Gas	0.008	ug/l	32.0	402	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	233,863	0.1	237379.17	98.52	70	120	
Ge	74	No Gas	508,924	0.8	520904.65	97.7	70	120	
Rh	103	No Gas	487,927	0.8	495830.5	98.41	70	120	
Tb	159	No Gas	789,098	0.6	795336.23	99.22	70	120	
Bi	209	No Gas	486,140	0.7	489748.34	99.26	70	120	
Sc	45	He	92,977	1.1	97258.1	95.6	70	120	
Ge	74	He	71,627	1.7	76774.63	93.29	70	120	
Rh	103	He	164,841	0.1	177345.22	92.95	70	120	
Tb	159	He	251,601	0.5	270640.2	92.97	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	85,251	1.9	84514.92	100.87	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV2**	**Sample Type**	CCV
File Name	039_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 01:07:03	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.019	ug/l	1.5	54,799	40	100.05	89.5	110.5	
Na	23	45	He	7991.367	ug/l	1.4	3,586,165	8000	99.89	89.5	110.5	
Mg	24	45	He	8337.636	ug/l	0.8	1,883,634	8000	104.22	89.5	110.5	
Al	27	45	He	8064.766	ug/l	0.8	785,739	8000	100.81	89.5	110.5	
K	39	45	He	7970.546	ug/l	1.5	2,077,316	8000	99.63	89.5	110.5	
Ca	44	45	He	8035.291	ug/l	1.5	97,052	8000	100.44	89.5	110.5	
Ti	47	45	He	100.812	ug/l	1.5	7,614	100	100.81	89.5	110.5	
V	51	74	He	99.522	ug/l	1.1	223,877	100	99.52	89.5	110.5	
Cr	52	74	He	97.569	ug/l	0.3	256,830	100	97.57	89.5	110.5	
Mn	55	74	He	99.898	ug/l	1.0	161,364	100	99.9	89.5	110.5	
Fe	56	74	He	8276.253	ug/l	1.4	17,847,441	8000	103.45	89.5	110.5	
Co	59	74	He	103.856	ug/l	1.2	363,416	100	103.86	89.5	110.5	
Ni	60	74	He	100.649	ug/l	0.9	88,122	100	100.65	89.5	110.5	
Cu	65	74	He	104.847	ug/l	1.4	114,515	100	104.85	89.5	110.5	
Cu	65	74	No Gas	103.538	ug/l	0.6	339,772	100	103.54	89.5	110.5	
Zn	66	74	He	99.217	ug/l	1.7	41,728	100	99.22	89.5	110.5	
As	75	74	He	100.777	ug/l	0.8	34,497	100	100.78	89.5	110.5	
Se	78	74	HEHe	40.343	ug/l	0.9	1,858	40	100.86	89.5	110.5	
Mo	95	103	He	40.884	ug/l	1.3	52,740	40	102.21	89.5	110.5	
Ag	109	103	No Gas	39.480	ug/l	0.4	368,915	40	98.7	89.5	110.5	
Cd	111	103	He	103.512	ug/l	0.5	58,383	100	103.51	89.5	110.5	
Cd	111	103	No Gas	107.304	ug/l	0.3	208,342	100	107.3	89.5	110.5	
Sb	123	103	No Gas	41.838	ug/l	0.4	271,492	40	104.6	89.5	110.5	
Ba	138	159	He	96.403	ug/l	1.3	446,358	100	96.4	89.5	110.5	
Hg	201	159	No Gas	820.449	ng/l	1.3	923	800	102.56	89.5	110.5	
Tl	205	159	No Gas	40.301	ug/l	0.1	732,548	40	100.75	89.5	110.5	
Pb	208	159	No Gas	105.961	ug/l	0.9	2,589,176	100	105.96	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	210,224	0.6	237379.17	88.56	70	120	
Ge	74	No Gas	472,557	0.8	520904.65	90.72	70	120	
Rh	103	No Gas	446,156	0.3	495830.5	89.98	70	120	
Tb	159	No Gas	763,443	0.4	795336.23	95.99	70	120	
Bi	209	No Gas	474,145	0.5	489748.34	96.81	70	120	
Sc	45	He	85,711	1.5	97258.1	88.13	70	120	
Ge	74	He	70,017	2.1	76774.63	91.2	70	120	
Rh	103	He	161,597	1.0	177345.22	91.12	70	120	
Tb	159	He	260,837	1.0	270640.2	96.38	70	120	
Ge	74	HEHe	80,957	0.3	84514.92	95.79	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB2**	**Sample Type**	CCB
File Name	040_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 01:11:53	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.026	ug/l	49.2	43	0.09	
Na	23	45	He	-5.051	ug/l	N/A	6,333	45	
Mg	24	45	He	0.439	ug/l	55.3	655	45	
Al	27	45	He	0.560	ug/l	189.4	178	22.5	
K	39	45	He	-10.284	ug/l	N/A	32,494	45	
Ca	44	45	He	-3.852	ug/l	N/A	127	270	
Ti	47	45	He	-0.044	ug/l	N/A	6	1.8	
V	51	74	He	-0.122	ug/l	N/A	538	0.9	
Cr	52	74	He	-0.003	ug/l	N/A	210	0.45	
Mn	55	74	He	-0.013	ug/l	N/A	262	0.45	
Fe	56	74	He	1.335	ug/l	4.0	11,789	22.5	
Co	59	74	He	0.005	ug/l	89.5	57	0.45	
Ni	60	74	He	0.024	ug/l	20.6	147	0.9	
Cu	65	74	He	0.005	ug/l	214.5	70	0.9	
Cu	65	74	No Gas	-0.010	ug/l	N/A	202	0.9	
Zn	66	74	He	-0.007	ug/l	N/A	86	1.8	
As	75	74	He	-0.006	ug/l	N/A	29	0.45	
Se	78	74	HEHe	-0.020	ug/l	N/A	34	0.45	
Mo	95	103	He	0.039	ug/l	40.6	60	0.45	
Ag	109	103	No Gas	0.001	ug/l	141.5	28	0.09	
Cd	111	103	He	0.001	ug/l	369.2	5	0.09	
Cd	111	103	No Gas	0.001	ug/l	353.1	4	0.09	
Sb	123	103	No Gas	0.037	ug/l	24.2	302	0.45	
Ba	138	159	He	-0.001	ug/l	N/A	84	0.45	
Hg	201	159	No Gas	2.892	ng/l	26.9	10	36	
Tl	205	159	No Gas	0.006	ug/l	23.7	142	0.09	
Pb	208	159	No Gas	0.007	ug/l	7.1	360	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	215,816	0.8	237379.17	90.92	70	120	
Ge	74	No Gas	478,531	0.8	520904.65	91.87	70	120	
Rh	103	No Gas	460,597	0.8	495830.5	92.89	70	120	
Tb	159	No Gas	755,423	0.6	795336.23	94.98	70	120	
Bi	209	No Gas	472,757	1.2	489748.34	96.53	70	120	
Sc	45	He	86,433	1.4	97258.1	88.87	70	120	
Ge	74	He	69,596	1.4	76774.63	90.65	70	120	
Rh	103	He	165,831	1.2	177345.22	93.51	70	120	
Tb	159	He	255,401	1.6	270640.2	94.37	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	80,095	2.1	84514.92	94.77	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV3**	**Sample Type**	CCV
File Name	051_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 02:05:22	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.150	ug/l	0.6	51,730	40	100.37	89.5	110.5	
Na	23	45	He	7973.294	ug/l	3.3	3,447,004	8000	99.67	89.5	110.5	
Mg	24	45	He	8301.234	ug/l	3.7	1,806,476	8000	103.77	89.5	110.5	
Al	27	45	He	8037.454	ug/l	3.5	754,303	8000	100.47	89.5	110.5	
K	39	45	He	8005.053	ug/l	3.0	2,009,570	8000	100.06	89.5	110.5	
Ca	44	45	He	8051.411	ug/l	3.0	93,691	8000	100.64	89.5	110.5	
Ti	47	45	He	102.580	ug/l	2.6	7,464	100	102.58	89.5	110.5	
V	51	74	He	98.787	ug/l	2.9	218,872	100	98.79	89.5	110.5	
Cr	52	74	He	96.788	ug/l	2.6	250,919	100	96.79	89.5	110.5	
Mn	55	74	He	98.921	ug/l	2.1	157,401	100	98.92	89.5	110.5	
Fe	56	74	He	8299.606	ug/l	2.0	17,631,312	8000	103.75	89.5	110.5	
Co	59	74	He	103.643	ug/l	2.3	357,233	100	103.64	89.5	110.5	
Ni	60	74	He	100.709	ug/l	2.1	86,854	100	100.71	89.5	110.5	
Cu	65	74	He	106.061	ug/l	2.4	114,102	100	106.06	89.5	110.5	
Cu	65	74	No Gas	103.002	ug/l	1.1	324,357	100	103	89.5	110.5	
Zn	66	74	He	100.281	ug/l	3.2	41,528	100	100.28	89.5	110.5	
As	75	74	He	100.856	ug/l	2.5	34,004	100	100.86	89.5	110.5	
Se	78	74	HEHe	40.569	ug/l	0.4	1,823	40	101.42	89.5	110.5	
Mo	95	103	He	40.998	ug/l	3.5	52,288	40	102.5	89.5	110.5	
Ag	109	103	No Gas	39.765	ug/l	0.3	353,466	40	99.41	89.5	110.5	
Cd	111	103	He	105.286	ug/l	2.4	58,722	100	105.29	89.5	110.5	
Cd	111	103	No Gas	107.486	ug/l	1.0	198,516	100	107.49	89.5	110.5	
Sb	123	103	No Gas	42.447	ug/l	0.7	262,001	40	106.12	89.5	110.5	
Ba	138	159	He	95.499	ug/l	1.8	442,678	100	95.5	89.5	110.5	
Hg	201	159	No Gas	833.641	ng/l	1.0	911	800	104.21	89.5	110.5	
Tl	205	159	No Gas	40.810	ug/l	0.5	720,670	40	102.02	89.5	110.5	
Pb	208	159	No Gas	106.638	ug/l	0.4	2,531,501	100	106.64	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	197,795	0.6	237379.17	83.32	70	120	
Ge	74	No Gas	453,449	0.2	520904.65	87.05	70	120	
Rh	103	No Gas	424,396	0.3	495830.5	85.59	70	120	
Tb	159	No Gas	741,675	0.4	795336.23	93.25	70	120	
Bi	209	No Gas	463,016	0.5	489748.34	94.54	70	120	
Sc	45	He	82,620	3.3	97258.1	84.95	70	120	
Ge	74	He	68,990	3.1	76774.63	89.86	70	120	
Rh	103	He	159,885	3.4	177345.22	90.15	70	120	
Tb	159	He	261,219	2.4	270640.2	96.52	70	120	
Ge	74	HEHe	79,021	0.1	84514.92	93.5	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB3**	**Sample Type**	CCB
File Name	052_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 02:10:11	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.016	ug/l	23.1	28	0.09	
Na	23	45	He	-6.294	ug/l	N/A	5,512	45	
Mg	24	45	He	0.412	ug/l	18.2	620	45	
Al	27	45	He	2.742	ug/l	13.5	375	22.5	
K	39	45	He	-10.979	ug/l	N/A	30,875	45	
Ca	44	45	He	-1.918	ug/l	N/A	143	270	
Ti	47	45	He	-0.009	ug/l	N/A	8	1.8	
V	51	74	He	-0.122	ug/l	N/A	531	0.9	
Cr	52	74	He	-0.011	ug/l	N/A	187	0.45	
Mn	55	74	He	-0.018	ug/l	N/A	251	0.45	
Fe	56	74	He	1.129	ug/l	6.5	11,199	22.5	
Co	59	74	He	0.006	ug/l	47.9	60	0.45	
Ni	60	74	He	0.013	ug/l	172.5	136	0.9	
Cu	65	74	He	0.000	ug/l	N/A	63	0.9	
Cu	65	74	No Gas	-0.011	ug/l	N/A	191	0.9	
Zn	66	74	He	-0.056	ug/l	N/A	64	1.8	
As	75	74	He	-0.001	ug/l	N/A	31	0.45	
Se	78	74	HEHe	0.000	ug/l	N/A	35	0.45	
Mo	95	103	He	0.035	ug/l	58.4	54	0.45	
Ag	109	103	No Gas	0.001	ug/l	51.9	20	0.09	
Cd	111	103	He	-0.002	ug/l	N/A	3	0.09	
Cd	111	103	No Gas	0.002	ug/l	126.2	5	0.09	
Sb	123	103	No Gas	0.041	ug/l	21.4	311	0.45	
Ba	138	159	He	-0.001	ug/l	N/A	83	0.45	
Hg	201	159	No Gas	3.816	ng/l	60.8	11	36	
Tl	205	159	No Gas	0.010	ug/l	10.2	204	0.09	
Pb	208	159	No Gas	0.004	ug/l	34.1	296	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	202,495	0.8	237379.17	85.3	70	120	
Ge	74	No Gas	454,964	1.1	520904.65	87.34	70	120	
Rh	103	No Gas	438,725	0.4	495830.5	88.48	70	120	
Tb	159	No Gas	730,249	0.9	795336.23	91.82	70	120	
Bi	209	No Gas	459,393	1.4	489748.34	93.8	70	120	
Sc	45	He	82,587	1.9	97258.1	84.91	70	120	
Ge	74	He	68,685	1.7	76774.63	89.46	70	120	
Rh	103	He	164,684	0.4	177345.22	92.86	70	120	
Tb	159	He	257,281	1.1	270640.2	95.06	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	81,585	7.6	84514.92	96.53	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV4**	**Sample Type**	CCV
File Name	063_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 03:03:37	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.354	ug/l	0.4	49,852	40	100.88	89.5	110.5	
Na	23	45	He	7973.026	ug/l	1.6	3,356,362	8000	99.66	89.5	110.5	
Mg	24	45	He	8267.721	ug/l	0.8	1,752,216	8000	103.35	89.5	110.5	
Al	27	45	He	7960.725	ug/l	0.8	727,587	8000	99.51	89.5	110.5	
K	39	45	He	7983.556	ug/l	1.4	1,951,573	8000	99.79	89.5	110.5	
Ca	44	45	He	8039.978	ug/l	0.8	91,101	8000	100.5	89.5	110.5	
Ti	47	45	He	102.659	ug/l	1.1	7,273	100	102.66	89.5	110.5	
V	51	74	He	98.227	ug/l	0.3	213,926	100	98.23	89.5	110.5	
Cr	52	74	He	95.940	ug/l	1.1	244,449	100	95.94	89.5	110.5	
Mn	55	74	He	98.156	ug/l	0.6	153,492	100	98.16	89.5	110.5	
Fe	56	74	He	8210.318	ug/l	0.5	17,141,094	8000	102.63	89.5	110.5	
Co	59	74	He	102.752	ug/l	0.6	348,071	100	102.75	89.5	110.5	
Ni	60	74	He	100.047	ug/l	1.3	84,791	100	100.05	89.5	110.5	
Cu	65	74	He	105.886	ug/l	0.6	111,960	100	105.89	89.5	110.5	
Cu	65	74	No Gas	103.194	ug/l	0.3	313,269	100	103.19	89.5	110.5	
Zn	66	74	He	99.943	ug/l	1.8	40,682	100	99.94	89.5	110.5	
As	75	74	He	100.622	ug/l	0.6	33,342	100	100.62	89.5	110.5	
Se	78	74	HEHe	39.975	ug/l	2.0	1,781	40	99.94	89.5	110.5	
Mo	95	103	He	40.021	ug/l	1.6	51,603	40	100.05	89.5	110.5	
Ag	109	103	No Gas	39.944	ug/l	0.4	343,775	40	99.86	89.5	110.5	
Cd	111	103	He	103.794	ug/l	0.4	58,509	100	103.79	89.5	110.5	
Cd	111	103	No Gas	107.806	ug/l	1.0	192,784	100	107.81	89.5	110.5	
Sb	123	103	No Gas	42.521	ug/l	1.1	254,126	40	106.3	89.5	110.5	
Ba	138	159	He	95.096	ug/l	0.4	441,692	100	95.1	89.5	110.5	
Hg	201	159	No Gas	847.452	ng/l	0.3	908	800	105.93	89.5	110.5	
Tl	205	159	No Gas	41.389	ug/l	0.6	717,083	40	103.47	89.5	110.5	
Pb	208	159	No Gas	107.704	ug/l	0.3	2,508,452	100	107.7	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	189,644	0.8	237379.17	79.89	70	120	
Ge	74	No Gas	437,139	0.4	520904.65	83.92	70	120	
Rh	103	No Gas	410,925	0.5	495830.5	82.88	70	120	
Tb	159	No Gas	727,659	0.3	795336.23	91.49	70	120	
Bi	209	No Gas	452,083	0.9	489748.34	92.31	70	120	
Sc	45	He	80,405	1.6	97258.1	82.67	70	120	
Ge	74	He	67,775	1.4	76774.63	88.28	70	120	
Rh	103	He	161,508	0.8	177345.22	91.07	70	120	
Tb	159	He	261,673	1.1	270640.2	96.69	70	120	
Ge	74	HEHe	78,351	1.1	84514.92	92.71	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB4**	**Sample Type**	CCB
File Name	064_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 03:08:28	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.013	ug/l	119.4	23	0.09	
Na	23	45	He	-7.491	ug/l	N/A	4,855	45	
Mg	24	45	He	0.638	ug/l	32.9	650	45	
Al	27	45	He	3.174	ug/l	14.8	403	22.5	
K	39	45	He	-14.072	ug/l	N/A	29,234	45	
Ca	44	45	He	-5.240	ug/l	N/A	102	270	
Ti	47	45	He	0.088	ug/l	60.9	14	1.8	
V	51	74	He	-0.121	ug/l	N/A	521	0.9	
Cr	52	74	He	-0.011	ug/l	N/A	181	0.45	
Mn	55	74	He	-0.018	ug/l	N/A	244	0.45	
Fe	56	74	He	0.697	ug/l	7.1	10,054	22.5	
Co	59	74	He	0.002	ug/l	202.5	46	0.45	
Ni	60	74	He	-0.012	ug/l	N/A	111	0.9	
Cu	65	74	He	0.005	ug/l	206.0	68	0.9	
Cu	65	74	No Gas	-0.005	ug/l	N/A	203	0.9	
Zn	66	74	He	0.226	ug/l	15.1	177	1.8	
As	75	74	He	-0.017	ug/l	N/A	25	0.45	
Se	78	74	HEHe	0.079	ug/l	25.1	37	0.45	
Mo	95	103	He	0.035	ug/l	29.0	53	0.45	
Ag	109	103	No Gas	0.002	ug/l	20.1	30	0.09	
Cd	111	103	He	-0.004	ug/l	N/A	2	0.09	
Cd	111	103	No Gas	0.011	ug/l	17.1	22	0.09	
Sb	123	103	No Gas	0.036	ug/l	19.9	269	0.45	
Ba	138	159	He	0.002	ug/l	345.5	96	0.45	
Hg	201	159	No Gas	3.760	ng/l	30.1	10	36	
Tl	205	159	No Gas	0.003	ug/l	32.4	87	0.09	
Pb	208	159	No Gas	0.003	ug/l	25.1	253	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	194,491	0.3	237379.17	81.93	70	120	
Ge	74	No Gas	441,392	0.5	520904.65	84.74	70	120	
Rh	103	No Gas	424,395	0.5	495830.5	85.59	70	120	
Tb	159	No Gas	711,834	0.9	795336.23	89.5	70	120	
Bi	209	No Gas	453,252	1.2	489748.34	92.55	70	120	
Sc	45	He	80,178	0.9	97258.1	82.44	70	120	
Ge	74	He	67,138	0.9	76774.63	87.45	70	120	
Rh	103	He	163,200	0.6	177345.22	92.02	70	120	
Tb	159	He	255,502	0.8	270640.2	94.41	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	78,135	1.2	84514.92	92.45	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV5**	**Sample Type**	CCV
File Name	075_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 04:02:00	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.559	ug/l	0.7	47,514	40	101.4	89.5	110.5	
Na	23	45	He	7860.711	ug/l	1.9	3,187,697	8000	98.26	89.5	110.5	
Mg	24	45	He	8218.358	ug/l	1.8	1,677,658	8000	102.73	89.5	110.5	
Al	27	45	He	7875.293	ug/l	1.7	693,335	8000	98.44	89.5	110.5	
K	39	45	He	7848.402	ug/l	2.0	1,848,593	8000	98.11	89.5	110.5	
Ca	44	45	He	7946.672	ug/l	2.1	86,728	8000	99.33	89.5	110.5	
Ti	47	45	He	101.715	ug/l	3.0	6,941	100	101.72	89.5	110.5	
V	51	74	He	97.371	ug/l	0.7	206,410	100	97.37	89.5	110.5	
Cr	52	74	He	95.975	ug/l	0.3	238,034	100	95.98	89.5	110.5	
Mn	55	74	He	98.162	ug/l	0.3	149,411	100	98.16	89.5	110.5	
Fe	56	74	He	8191.957	ug/l	0.7	16,646,449	8000	102.4	89.5	110.5	
Co	59	74	He	102.497	ug/l	0.5	337,951	100	102.5	89.5	110.5	
Ni	60	74	He	101.424	ug/l	1.1	83,674	100	101.42	89.5	110.5	
Cu	65	74	He	106.200	ug/l	1.0	109,297	100	106.2	89.5	110.5	
Cu	65	74	No Gas	102.606	ug/l	0.3	296,940	100	102.61	89.5	110.5	
Zn	66	74	He	100.896	ug/l	0.1	39,978	100	100.9	89.5	110.5	
As	75	74	He	100.503	ug/l	1.0	32,418	100	100.5	89.5	110.5	
Se	78	74	HEHe	40.047	ug/l	0.6	1,755	40	100.12	89.5	110.5	
Mo	95	103	He	40.713	ug/l	0.7	51,139	40	101.78	89.5	110.5	
Ag	109	103	No Gas	39.899	ug/l	1.0	328,705	40	99.75	89.5	110.5	
Cd	111	103	He	104.590	ug/l	1.1	57,432	100	104.59	89.5	110.5	
Cd	111	103	No Gas	107.806	ug/l	0.9	184,549	100	107.81	89.5	110.5	
Sb	123	103	No Gas	42.683	ug/l	1.1	244,203	40	106.71	89.5	110.5	
Ba	138	159	He	94.521	ug/l	0.9	437,245	100	94.52	89.5	110.5	
Hg	201	159	No Gas	848.804	ng/l	2.0	877	800	106.1	89.5	110.5	
Tl	205	159	No Gas	41.631	ug/l	0.8	695,749	40	104.08	89.5	110.5	
Pb	208	159	No Gas	108.837	ug/l	0.2	2,445,137	100	108.84	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	179,845	1.0	237379.17	75.76	70	120	
Ge	74	No Gas	416,724	0.3	520904.65	80	70	120	
Rh	103	No Gas	393,374	1.1	495830.5	79.34	70	120	
Tb	159	No Gas	701,906	0.7	795336.23	88.25	70	120	
Bi	209	No Gas	445,677	0.7	489748.34	91	70	120	
Sc	45	He	77,459	2.0	97258.1	79.64	70	120	
Ge	74	He	65,966	1.2	76774.63	85.92	70	120	
Rh	103	He	157,337	1.1	177345.22	88.72	70	120	
Tb	159	He	260,618	1.6	270640.2	96.3	70	120	
Ge	74	HEHe	77,026	0.8	84514.92	91.14	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB5**	**Sample Type**	CCB
File Name	076_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 04:06:49	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.015	ug/l	38.2	24	0.09	
Na	23	45	He	-7.898	ug/l	N/A	4,442	45	
Mg	24	45	He	0.356	ug/l	61.2	560	45	
Al	27	45	He	1.140	ug/l	14.5	207	22.5	
K	39	45	He	-14.961	ug/l	N/A	27,515	45	
Ca	44	45	He	-3.495	ug/l	N/A	115	270	
Ti	47	45	He	0.050	ug/l	154.3	11	1.8	
V	51	74	He	-0.121	ug/l	N/A	503	0.9	
Cr	52	74	He	-0.001	ug/l	N/A	199	0.45	
Mn	55	74	He	-0.030	ug/l	N/A	219	0.45	
Fe	56	74	He	0.540	ug/l	28.6	9,377	22.5	
Co	59	74	He	-0.002	ug/l	N/A	31	0.45	
Ni	60	74	He	-0.017	ug/l	N/A	103	0.9	
Cu	65	74	He	-0.008	ug/l	N/A	52	0.9	
Cu	65	74	No Gas	-0.006	ug/l	N/A	190	0.9	
Zn	66	74	He	-0.038	ug/l	N/A	68	1.8	
As	75	74	He	-0.013	ug/l	N/A	25	0.45	
Se	78	74	HEHe	-0.006	ug/l	N/A	34	0.45	
Mo	95	103	He	0.030	ug/l	23.0	47	0.45	
Ag	109	103	No Gas	0.002	ug/l	64.1	26	0.09	
Cd	111	103	He	-0.003	ug/l	N/A	3	0.09	
Cd	111	103	No Gas	0.003	ug/l	58.0	7	0.09	
Sb	123	103	No Gas	0.034	ug/l	1.8	246	0.45	
Ba	138	159	He	0.003	ug/l	50.0	98	0.45	
Hg	201	159	No Gas	2.426	ng/l	31.9	9	36	
Tl	205	159	No Gas	0.005	ug/l	9.3	126	0.09	
Pb	208	159	No Gas	0.006	ug/l	31.9	308	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	186,422	0.6	237379.17	78.53	70	120	
Ge	74	No Gas	418,844	0.4	520904.65	80.41	70	120	
Rh	103	No Gas	402,456	0.6	495830.5	81.17	70	120	
Tb	159	No Gas	690,269	0.2	795336.23	86.79	70	120	
Bi	209	No Gas	444,412	0.5	489748.34	90.74	70	120	
Sc	45	He	76,052	1.7	97258.1	78.2	70	120	
Ge	74	He	64,712	0.5	76774.63	84.29	70	120	
Rh	103	He	159,415	1.3	177345.22	89.89	70	120	
Tb	159	He	249,999	1.1	270640.2	92.37	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	78,141	2.2	84514.92	92.46	70	120	

Sample Report ICPMS6

Sample Name	**1050469-BLK1**	**Sample Type**	Sample
File Name	080SMPL.d	**Vial #**	3411
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 04:26:15	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	1050469 Water 6020 Total RCRA + CuFeMnVZn		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Units	Raw Conc.	Conc RSD	CPS	CPS RSD	LDR	QC Flag
Be	9	6	No Gas	ug/l	0.006	26.9	12	15.7	100	
Na	23	45	He	ug/l	-6.591	N/A	4,912	1.2	50000	
Mg	24	45	He	ug/l	0.103	339.6	503	11.9	50000	
Al	27	45	He	ug/l	4.399	17.9	485	16.4	50000	
K	39	45	He	ug/l	-21.373	N/A	25,814	2.1	50000	
Ca	44	45	He	ug/l	-0.529	N/A	145	12.4	50000	
Ti	47	45	He	ug/l	0.351	32.9	31	27.0	2500	
V	51	74	He	ug/l	-0.156	N/A	421	8.8	500	
Cr	52	74	He	ug/l	0.361	6.8	1,055	5.7	1000	
Mn	55	74	He	ug/l	0.587	8.7	1,113	8.4	2500	
Fe	56	74	He	ug/l	5.353	5.0	18,529	1.2	50000	
Co	59	74	He	ug/l	0.007	67.9	58	24.0	500	
Ni	60	74	He	ug/l	0.795	3.8	742	4.6	1000	
Cu	65	74	He	ug/l	10.905	1.8	10,809	0.4	1000	
Cu	65	74	No Gas	ug/l	10.668	2.0	29,711	1.2	1000	
Zn	66	74	He	ug/l	6.494	1.6	2,542	3.2	2500	
As	75	74	He	ug/l	-0.029	N/A	20	9.6	500	
Se	78	74	HEHe	ug/l	0.037	170.5	34	6.5	100	
Mo	95	103	He	ug/l	0.107	20.2	142	19.7	100	
Ag	109	103	No Gas	ug/l	0.003	44.4	34	27.9	100	
Cd	111	103	He	ug/l	-0.006	N/A	1	173.2	500	
Cd	111	103	No Gas	ug/l	0.001	1232.8	2	540.5	500	
Sb	123	103	No Gas	ug/l	0.006	41.0	79	17.6	100	
Ba	138	159	He	ug/l	0.016	57.6	157	26.1	2500	
W	186	159	No Gas	ug/l	0.053	1.1	607	1.5	35	
Hg	201	159	No Gas	ng/l	0.461	487.1	7	33.5	4000	
Tl	205	159	No Gas	ug/l	0.005	19.3	117	12.5	100	
Pb	208	159	No Gas	ug/l	0.039	3.5	1,026	3.4	200	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	174,993	1.6	237379.17	73.72	70	120	
Sc	45	He	75,317	2.3	97258.1	77.44	70	120	
Ge	74	No Gas	398,706	1.0	520904.65	76.54	70	120	
Ge	74	He	63,233	1.7	76774.63	82.36	70	120	
Ge	74	HEHe	75,331	1.5	84514.92	89.13	70	120	
Rh	103	No Gas	390,175	1.0	495830.5	78.69	70	120	
Rh	103	He	157,451	1.7	177345.22	88.78	70	120	
Tb	159	No Gas	671,970	1.2	795336.23	84.49	70	120	
Tb	159	He	250,928	1.6	270640.2	92.72	70	120	

Sample Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	435,817	0.6	489748.34	88.99	70	120	

Sample Report ICPMS6

Sample Name	**1050469-BS1**	**Sample Type**	Sample
File Name	081SMPL.d	**Vial #**	3412
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 04:31:06	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	1050469 Water 6020 Total RCRA + CuFeMnVZn		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Units	Raw Conc.	Conc RSD	CPS	CPS RSD	LDR	QC Flag
Be	9	6	No Gas	ug/l	24.404	1.4	28,296	0.9	100	
Na	23	45	He	ug/l	2468.12	1.1	978,730	0.9	50000	
Mg	24	45	He	ug/l	2514.598	1.1	499,659	0.7	50000	
Al	27	45	He	ug/l	2473.019	1.2	211,845	1.0	50000	
K	39	45	He	ug/l	2381.986	1.3	567,046	0.3	50000	
Ca	44	45	He	ug/l	2515.586	2.0	26,810	1.8	50000	
Ti	47	45	He	ug/l	51.179	4.0	3,403	5.4	2500	
V	51	74	He	ug/l	47.824	1.1	100,201	1.0	500	
Cr	52	74	He	ug/l	47.498	0.8	116,088	0.9	1000	
Mn	55	74	He	ug/l	48.69	1.2	73,100	1.0	2500	
Fe	56	74	He	ug/l	2505.579	1.6	5,018,740	1.4	50000	
Co	59	74	He	ug/l	50.78	1.1	164,871	1.1	500	
Ni	60	74	He	ug/l	52.201	1.5	42,457	1.7	1000	
Cu	65	74	He	ug/l	53.54	2.4	54,281	2.3	1000	
Cu	65	74	No Gas	ug/l	51.832	0.9	146,623	0.6	1000	
Zn	66	74	He	ug/l	50.376	0.8	19,694	0.8	2500	
As	75	74	He	ug/l	50.103	0.5	15,925	0.4	500	
Se	78	74	HEHe	ug/l	24.113	0.2	1,061	0.9	100	
Mo	95	103	He	ug/l	24.822	1.0	31,447	0.9	100	
Ag	109	103	No Gas	ug/l	25.086	0.3	205,589	0.3	100	
Cd	111	103	He	ug/l	50.27	0.9	27,843	0.9	500	
Cd	111	103	No Gas	ug/l	52.294	0.9	89,048	0.8	500	
Sb	123	103	No Gas	ug/l	24.916	1.0	141,812	1.0	100	
Ba	138	159	He	ug/l	48.352	0.8	221,555	1.2	2500	
W	186	159	No Gas	ug/l	0.04	15.6	533	8.7	35	
Hg	201	159	No Gas	ng/l	1042.176	1.1	1,061	1.1	4000	
Tl	205	159	No Gas	ug/l	25.301	0.5	417,118	0.8	100	
Pb	208	159	No Gas	ug/l	52.321	0.4	1,159,636	0.7	200	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	177,996	0.5	237379.17	74.98	70	120	
Sc	45	He	75,336	1.4	97258.1	77.46	70	120	
Ge	74	No Gas	407,076	0.4	520904.65	78.15	70	120	
Ge	74	He	64,948	0.4	76774.63	84.6	70	120	
Ge	74	HEHe	76,420	1.1	84514.92	90.42	70	120	
Rh	103	No Gas	391,284	0.0	495830.5	78.91	70	120	
Rh	103	He	158,694	1.7	177345.22	89.48	70	120	
Tb	159	No Gas	692,409	0.3	795336.23	87.06	70	120	
Tb	159	He	258,092	0.9	270640.2	95.36	70	120	

Sample Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	446,102	0.1	489748.34	91.09	70	120	

Sample Report ICPMS6

Sample Name	**A1E0219-01**	**Sample Type**	Sample
File Name	082SMPL.d	**Vial #**	3413
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 04:35:59	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	1050469 Water 6020 Total AsCdCrCuMnVZn		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Units	Raw Conc.	Conc RSD	CPS	CPS RSD	LDR	QC Flag
Be	9	6	No Gas	ug/l	0.013	83.2	20	60.1	100	
Na	23	45	He	ug/l	-6.608	N/A	4,800	2.3	50000	
Mg	24	45	He	ug/l	0.482	40.2	566	5.7	50000	
Al	27	45	He	ug/l	3.857	14.0	428	11.8	50000	
K	39	45	He	ug/l	-21.273	N/A	25,274	3.8	50000	
Ca	44	45	He	ug/l	3.468	52.1	183	8.3	50000	
Ti	47	45	He	ug/l	0.277	28.0	26	19.9	2500	
V	51	74	He	ug/l	-0.103	N/A	527	5.2	500	
Cr	52	74	He	ug/l	0.354	8.8	1,037	6.5	1000	
Mn	55	74	He	ug/l	0.02	92.0	286	8.8	2500	
Fe	56	74	He	ug/l	5.606	0.9	19,007	1.2	50000	
Co	59	74	He	ug/l	0.01	69.2	68	32.0	500	
Ni	60	74	He	ug/l	0.528	5.0	531	4.3	1000	
Cu	65	74	He	ug/l	0.654	6.7	702	5.4	1000	
Cu	65	74	No Gas	ug/l	0.676	2.7	2,037	2.3	1000	
Zn	66	74	He	ug/l	0.803	6.7	384	5.3	2500	
As	75	74	He	ug/l	-0.017	N/A	23	15.6	500	
Se	78	74	HEHe	ug/l	0.018	297.9	33	6.4	100	
Mo	95	103	He	ug/l	0.169	16.1	219	16.3	100	
Ag	109	103	No Gas	ug/l	0.003	15.6	33	10.0	100	
Cd	111	103	He	ug/l	0.001	205.9	5	24.7	500	
Cd	111	103	No Gas	ug/l	0.003	118.8	6	95.5	500	
Sb	123	103	No Gas	ug/l	0.014	49.2	120	31.5	100	
Ba	138	159	He	ug/l	0.02	32.1	178	16.8	2500	
W	186	159	No Gas	ug/l	0.055	9.3	617	6.6	35	
Hg	201	159	No Gas	ng/l	4.825	65.0	11	27.5	4000	
Tl	205	159	No Gas	ug/l	0.016	12.9	296	11.3	100	
Pb	208	159	No Gas	ug/l	0.051	10.3	1,268	7.9	200	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	173,351	1.0	237379.17	73.03	70	120	
Sc	45	He	73,673	2.6	97258.1	75.75	70	120	
Ge	74	No Gas	392,704	0.2	520904.65	75.39	70	120	
Ge	74	He	63,169	1.1	76774.63	82.28	70	120	
Ge	74	HEHe	74,057	0.8	84514.92	87.63	70	120	
Rh	103	No Gas	384,579	0.0	495830.5	77.56	70	120	
Rh	103	He	156,560	1.0	177345.22	88.28	70	120	
Tb	159	No Gas	665,226	1.0	795336.23	83.64	70	120	
Tb	159	He	251,691	0.8	270640.2	93	70	120	

Sample Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	428,439	0.6	489748.34	87.48	70	120	

Sample Report ICPMS6

Sample Name	**A1E0219-02**	**Sample Type**	Sample
File Name	083SMPL.d	**Vial #**	3414
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 04:40:49	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	1050469 Water 6020 Total AsCdCrCuMnVZn		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Units	Raw Conc.	Conc RSD	CPS	CPS RSD	LDR	QC Flag
Be	9	6	No Gas	ug/l	0.011	40.4	18	28.6	100	
Na	23	45	He	ug/l	-3.168	N/A	6,140	1.5	50000	
Mg	24	45	He	ug/l	0.388	64.4	550	8.3	50000	
Al	27	45	He	ug/l	3.114	6.8	366	4.8	50000	
K	39	45	He	ug/l	-13.117	N/A	27,145	2.0	50000	
Ca	44	45	He	ug/l	5.167	43.9	202	11.2	50000	
Ti	47	45	He	ug/l	0.362	63.6	31	48.3	2500	
V	51	74	He	ug/l	-0.106	N/A	519	10.0	500	
Cr	52	74	He	ug/l	0.317	5.9	943	4.6	1000	
Mn	55	74	He	ug/l	0.167	3.6	497	1.8	2500	
Fe	56	74	He	ug/l	10.023	0.4	27,415	0.3	50000	
Co	59	74	He	ug/l	0.011	24.2	71	11.8	500	
Ni	60	74	He	ug/l	0.343	10.0	382	7.1	1000	
Cu	65	74	He	ug/l	0.039	31.5	97	12.4	1000	
Cu	65	74	No Gas	ug/l	0.013	96.3	232	16.6	1000	
Zn	66	74	He	ug/l	0.343	8.3	209	5.1	2500	
As	75	74	He	ug/l	-0.028	N/A	20	1.5	500	
Se	78	74	HEHe	ug/l	0	N/A	32	5.7	100	
Mo	95	103	He	ug/l	0.164	15.5	213	14.1	100	
Ag	109	103	No Gas	ug/l	0.002	129.1	27	69.6	100	
Cd	111	103	He	ug/l	-0.006	N/A	1	173.2	500	
Cd	111	103	No Gas	ug/l	0.004	116.0	8	95.6	500	
Sb	123	103	No Gas	ug/l	0.003	71.0	59	17.3	100	
Ba	138	159	He	ug/l	0.043	4.5	272	1.9	2500	
W	186	159	No Gas	ug/l	0.06	4.5	653	4.9	35	
Hg	201	159	No Gas	ng/l	2.702	35.6	9	12.0	4000	
Tl	205	159	No Gas	ug/l	0.004	11.9	100	5.8	100	
Pb	208	159	No Gas	ug/l	0.015	3.9	494	4.5	200	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	174,406	1.3	237379.17	73.47	70	120	
Sc	45	He	73,869	0.5	97258.1	75.95	70	120	
Ge	74	No Gas	397,566	1.6	520904.65	76.32	70	120	
Ge	74	He	62,751	0.1	76774.63	81.73	70	120	
Ge	74	HEHe	73,984	1.4	84514.92	87.54	70	120	
Rh	103	No Gas	386,052	2.4	495830.5	77.86	70	120	
Rh	103	He	156,734	1.1	177345.22	88.38	70	120	
Tb	159	No Gas	668,229	2.0	795336.23	84.02	70	120	
Tb	159	He	247,415	1.2	270640.2	91.42	70	120	

Sample Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Bi	209	No Gas	431,478	2.2	489748.34	88.1	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV6**	**Sample Type**	CCV
File Name	087_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 05:00:13	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.014	ug/l	0.1	56,011	40	100.04	89.5	110.5	
Na	23	45	He	8081.724	ug/l	0.6	3,715,342	8000	101.02	89.5	110.5	
Mg	24	45	He	8401.056	ug/l	1.2	1,944,062	8000	105.01	89.5	110.5	
Al	27	45	He	8041.977	ug/l	0.7	802,577	8000	100.52	89.5	110.5	
K	39	45	He	8067.730	ug/l	1.1	2,153,073	8000	100.85	89.5	110.5	
Ca	44	45	He	7993.608	ug/l	0.6	98,905	8000	99.92	89.5	110.5	
Ti	47	45	He	98.879	ug/l	2.1	7,649	100	98.88	89.5	110.5	
V	51	74	He	100.637	ug/l	1.1	230,797	100	100.64	89.5	110.5	
Cr	52	74	He	98.345	ug/l	1.1	263,903	100	98.34	89.5	110.5	
Mn	55	74	He	100.159	ug/l	0.8	164,948	100	100.16	89.5	110.5	
Fe	56	74	He	8316.970	ug/l	0.7	18,287,147	8000	103.96	89.5	110.5	
Co	59	74	He	104.310	ug/l	0.8	372,146	100	104.31	89.5	110.5	
Ni	60	74	He	101.529	ug/l	2.0	90,615	100	101.53	89.5	110.5	
Cu	65	74	He	105.380	ug/l	1.2	117,344	100	105.38	89.5	110.5	
Cu	65	74	No Gas	104.488	ug/l	0.3	340,813	100	104.49	89.5	110.5	
Zn	66	74	He	99.932	ug/l	0.7	42,844	100	99.93	89.5	110.5	
As	75	74	He	99.723	ug/l	0.9	34,803	100	99.72	89.5	110.5	
Se	78	74	HEHe	39.748	ug/l	0.4	1,879	40	99.37	89.5	110.5	
Mo	95	103	He	40.353	ug/l	1.2	53,235	40	100.88	89.5	110.5	
Ag	109	103	No Gas	39.699	ug/l	0.3	367,015	40	99.25	89.5	110.5	
Cd	111	103	He	102.439	ug/l	1.1	59,076	100	102.44	89.5	110.5	
Cd	111	103	No Gas	107.654	ug/l	0.6	206,785	100	107.65	89.5	110.5	
Sb	123	103	No Gas	42.531	ug/l	0.7	273,035	40	106.33	89.5	110.5	
Ba	138	159	He	96.183	ug/l	0.4	444,187	100	96.18	89.5	110.5	
Hg	201	159	No Gas	812.615	ng/l	1.6	912	800	101.58	89.5	110.5	
Tl	205	159	No Gas	40.212	ug/l	0.6	729,369	40	100.53	89.5	110.5	
Pb	208	159	No Gas	104.753	ug/l	0.8	2,554,226	100	104.75	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	214,891	1.0	237379.17	90.53	70	120	
Ge	74	No Gas	469,688	0.4	520904.65	90.17	70	120	
Rh	103	No Gas	441,389	0.9	495830.5	89.02	70	120	
Tb	159	No Gas	761,802	0.3	795336.23	95.78	70	120	
Bi	209	No Gas	465,607	0.5	489748.34	95.07	70	120	
Sc	45	He	87,796	1.4	97258.1	90.27	70	120	
Ge	74	He	71,382	1.8	76774.63	92.98	70	120	
Rh	103	He	165,241	1.5	177345.22	93.17	70	120	
Tb	159	He	260,167	1.2	270640.2	96.13	70	120	
Ge	74	HEHe	83,095	0.8	84514.92	98.32	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB6**	**Sample Type**	CCB
File Name	088_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 05:05:03	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.014	ug/l	83.4	26	0.09	
Na	23	45	He	8.263	ug/l	3.8	12,393	45	
Mg	24	45	He	0.353	ug/l	55.4	638	45	
Al	27	45	He	0.573	ug/l	40.6	180	22.5	
K	39	45	He	-11.245	ug/l	N/A	32,368	45	
Ca	44	45	He	-3.994	ug/l	N/A	125	270	
Ti	47	45	He	-0.014	ug/l	N/A	8	1.8	
V	51	74	He	-0.085	ug/l	N/A	626	0.9	
Cr	52	74	He	0.007	ug/l	51.4	237	0.45	
Mn	55	74	He	-0.010	ug/l	N/A	270	0.45	
Fe	56	74	He	0.031	ug/l	280.1	9,067	22.5	
Co	59	74	He	0.002	ug/l	91.6	48	0.45	
Ni	60	74	He	-0.023	ug/l	N/A	107	0.9	
Cu	65	74	He	0.011	ug/l	193.1	77	0.9	
Cu	65	74	No Gas	0.006	ug/l	128.3	246	0.9	
Zn	66	74	He	0.007	ug/l	679.7	92	1.8	
As	75	74	He	-0.003	ug/l	N/A	31	0.45	
Se	78	74	HEHe	0.025	ug/l	490.3	37	0.45	
Mo	95	103	He	0.037	ug/l	39.7	58	0.45	
Ag	109	103	No Gas	0.003	ug/l	40.1	43	0.09	
Cd	111	103	He	-0.006	ug/l	N/A	1	0.09	
Cd	111	103	No Gas	0.006	ug/l	19.2	13	0.09	
Sb	123	103	No Gas	0.037	ug/l	19.8	289	0.45	
Ba	138	159	He	0.000	ug/l	N/A	88	0.45	
Hg	201	159	No Gas	0.693	ng/l	172.0	8	36	
Tl	205	159	No Gas	0.029	ug/l	8.2	552	0.09	
Pb	208	159	No Gas	0.002	ug/l	24.2	246	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	211,910	0.7	237379.17	89.27	70	120	
Ge	74	No Gas	460,848	0.2	520904.65	88.47	70	120	
Rh	103	No Gas	444,063	0.8	495830.5	89.56	70	120	
Tb	159	No Gas	748,180	0.8	795336.23	94.07	70	120	
Bi	209	No Gas	465,265	0.2	489748.34	95	70	120	
Sc	45	He	86,762	0.6	97258.1	89.21	70	120	
Ge	74	He	70,178	1.6	76774.63	91.41	70	120	
Rh	103	He	166,349	0.4	177345.22	93.8	70	120	
Tb	159	He	256,750	0.8	270640.2	94.87	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	81,785	1.4	84514.92	96.77	70	120	

Continuing Calibration Verification (CCV) Report ICPMS6

Sample Name	**1E13059-CCV7**	**Sample Type**	CCV
File Name	092_CCV.d	**Vial #**	1301
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 05:24:29	**Sample QC Pass/Fail**	Fail
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	A21D303 JPB 05/13		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Low	High	Flag
Be	9	6	No Gas	40.228	ug/l	0.7	51,198	40	100.57	89.5	110.5	
Na	23	45	He	8328.859	ug/l	6.7	3,461,900	8000	104.11	89.5	110.5	
Mg	24	45	He	8740.405	ug/l	6.9	1,828,870	8000	109.26	89.5	110.5	
Al	27	45	He	8356.580	ug/l	6.6	754,144	8000	104.46	89.5	110.5	
K	39	45	He	8331.304	ug/l	6.3	2,009,969	8000	104.14	89.5	110.5	
Ca	44	45	He	8449.062	ug/l	6.4	94,538	8000	105.61	89.5	110.5	
Ti	47	45	He	107.253	ug/l	7.4	7,502	100	107.25	89.5	110.5	
V	51	74	He	102.994	ug/l	8.5	218,379	100	102.99	89.5	110.5	
Cr	52	74	He	101.715	ug/l	8.2	252,382	100	101.72	89.5	110.5	
Mn	55	74	He	103.158	ug/l	8.4	157,064	100	103.16	89.5	110.5	
Fe	56	74	He	8650.449	ug/l	8.5	17,584,564	8000	108.13	89.5	110.5	
Co	59	74	He	107.808	ug/l	8.0	355,712	100	107.81	89.5	110.5	
Ni	60	74	He	105.126	ug/l	9.5	86,710	100	105.13	89.5	110.5	
Cu	65	74	He	110.833	ug/l	8.3	114,116	100	110.83	89.5	110.5	> +/- 10%
Cu	65	74	No Gas	103.652	ug/l	0.2	318,649	100	103.65	89.5	110.5	
Zn	66	74	He	104.093	ug/l	8.1	41,269	100	104.09	89.5	110.5	
As	75	74	He	103.524	ug/l	8.2	33,408	100	103.52	89.5	110.5	
Se	78	74	HEHe	40.286	ug/l	2.7	1,821	40	100.72	89.5	110.5	
Mo	95	103	He	42.876	ug/l	8.4	52,680	40	107.19	89.5	110.5	
Ag	109	103	No Gas	39.720	ug/l	0.9	345,643	40	99.3	89.5	110.5	
Cd	111	103	He	109.263	ug/l	8.1	58,704	100	109.26	89.5	110.5	
Cd	111	103	No Gas	107.865	ug/l	0.5	195,033	100	107.86	89.5	110.5	
Sb	123	103	No Gas	42.267	ug/l	0.3	255,409	40	105.67	89.5	110.5	
Ba	138	159	He	100.773	ug/l	8.5	443,894	100	100.77	89.5	110.5	
Hg	201	159	No Gas	824.658	ng/l	0.6	882	800	103.08	89.5	110.5	
Tl	205	159	No Gas	41.377	ug/l	0.2	714,903	40	103.44	89.5	110.5	
Pb	208	159	No Gas	107.524	ug/l	0.7	2,497,438	100	107.52	89.5	110.5	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	195,380	1.0	237379.17	82.31	70	120	
Ge	74	No Gas	442,679	0.7	520904.65	84.98	70	120	
Rh	103	No Gas	415,475	0.7	495830.5	83.79	70	120	
Tb	159	No Gas	725,675	0.3	795336.23	91.24	70	120	
Bi	209	No Gas	452,793	0.2	489748.34	92.45	70	120	
Sc	45	He	79,627	6.8	97258.1	81.87	70	120	
Ge	74	He	66,303	8.4	76774.63	86.36	70	120	
Rh	103	He	154,644	8.6	177345.22	87.2	70	120	
Tb	159	He	249,349	8.5	270640.2	92.13	70	120	
Ge	74	HEHe	79,508	1.2	84514.92	94.08	70	120	

Cu Q-41
JPB 05/14/21

Continuing Calibration Blank (CCB) Report ICPMS6

Sample Name	**1E13059-CCB7**	**Sample Type**	CCB
File Name	093_CCB.d	**Vial #**	1101
Data Path Name	D:\Agilent\ICPMH\1\DATA\1E13059_6020.b		
Acq Time	05/14/2021 05:29:19	**Sample QC Pass/Fail**	Pass
Total Dilution	1.0000	**ISTD QC Pass/Fail**	Pass
Comment	CCB		
ISTD Ref FileName	003CALB.d	**Operator**	ICPMS Analyst

QC Analyte Table

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	Limit	QC Flag
Be	9	6	No Gas	0.028	ug/l	32.5	43	0.09	
Na	23	45	He	3.741	ug/l	40.0	9,327	45	
Mg	24	45	He	0.850	ug/l	32.0	681	45	
Al	27	45	He	1.142	ug/l	9.4	213	22.5	
K	39	45	He	-5.691	ug/l	N/A	30,535	45	
Ca	44	45	He	-1.853	ug/l	N/A	137	270	
Ti	47	45	He	-0.038	ug/l	N/A	6	1.8	
V	51	74	He	-0.044	ug/l	N/A	657	0.9	
Cr	52	74	He	0.001	ug/l	775.8	203	0.45	
Mn	55	74	He	-0.029	ug/l	N/A	218	0.45	
Fe	56	74	He	0.416	ug/l	66.5	9,069	22.5	
Co	59	74	He	0.004	ug/l	210.7	49	0.45	
Ni	60	74	He	-0.028	ug/l	N/A	94	0.9	
Cu	65	74	He	-0.003	ug/l	N/A	58	0.9	
Cu	65	74	No Gas	-0.011	ug/l	N/A	184	0.9	
Zn	66	74	He	-0.035	ug/l	N/A	69	1.8	
As	75	74	He	0.011	ug/l	130.8	32	0.45	
Se	78	74	HEHe	0.007	ug/l	1980.3	34	0.45	
Mo	95	103	He	0.037	ug/l	4.1	53	0.45	
Ag	109	103	No Gas	0.003	ug/l	39.2	38	0.09	
Cd	111	103	He	0.009	ug/l	90.9	9	0.09	
Cd	111	103	No Gas	0.010	ug/l	37.8	20	0.09	
Sb	123	103	No Gas	0.038	ug/l	9.5	282	0.45	
Ba	138	159	He	-0.003	ug/l	N/A	72	0.45	
Hg	201	159	No Gas	3.677	ng/l	92.8	10	36	
Tl	205	159	No Gas	0.051	ug/l	4.2	908	0.09	
Pb	208	159	No Gas	0.004	ug/l	21.3	290	0.09	

QC ISTD Table

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Li	6	No Gas	199,558	0.1	237379.17	84.07	70	120	
Ge	74	No Gas	442,932	0.4	520904.65	85.03	70	120	
Rh	103	No Gas	428,225	0.6	495830.5	86.37	70	120	
Tb	159	No Gas	717,790	0.4	795336.23	90.25	70	120	
Bi	209	No Gas	453,048	1.0	489748.34	92.51	70	120	
Sc	45	He	78,482	7.3	97258.1	80.69	70	120	
Ge	74	He	64,446	7.1	76774.63	83.94	70	120	
Rh	103	He	153,898	6.2	177345.22	86.78	70	120	
Tb	159	He	240,836	6.0	270640.2	88.99	70	120	

Continuing Calibration Blank (CCB) Report ICPMS6

Name	Mass	Tune Mode	CPS	CPS RSD	Ref CPS	% Rec	%QC Low	%QC High	QC Flag
Ge	74	HEHe	78,730	1.8	84514.92	93.15	70	120	

APEX LABORATORIES, LLC
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Metals IFA/IFB Metals Internal Standards Recovery Summary

A21E115 IFA
A21E116 IFB
A1E0219 (I.S Tables)

Analytical Standard Record

Apex Laboratories

A21E252

Description:	ICSA working std	Expires:	07/29/21
Standard Type:	Calibration Standa	Prepared:	05/17/21
Solvent:	3.5%HNO3+0.4%HCL	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	05/19/21 14:13 by jsj

Prepare as needed.

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	100	ug/mL
Calcium	7440-70-2	300	ug/mL
Carbon	7440-44-0	200	ug/mL
Chlorine	7782-50-5	2000	ug/mL
Iron	7439-89-6	250	ug/mL
Magnesium	7439-95-4	100	ug/mL
Molybdenum	7439-98-7	2	ug/mL
Phosphorus	7723-14-0	100	ug/mL
Potassium	7440-09-7	100	ug/mL
Sodium	7440-23-5	250	ug/mL
Sulfur	7704-34-9	100	ug/mL
Titanium	7440-32-6	2	ug/mL
Tungsten	7440-33-7	0.1	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
A20J051	6020A ICS Interferents A	10/02/20	Marshall Pattee	09/16/21	10/05/20 16:50 by jsj	5
A20L201	Conc. HCl - Omnitrace	12/11/20	Nathan R. Potts	12/09/22	02/16/21 13:46 by jsj	0.2
A21C305	Conc. HNO3 - Omnitrace	03/25/21	Michael J. Griffith	03/24/23	04/01/21 17:25 by jsj	1.75
A21D260	1 W 10 ppm	04/19/21	Kevin Taucher	07/29/21	05/03/21 16:37 by jsj	0.5

Reviewed By Date

Analytical Standard Record

Apex Laboratories

A21E253

Description:	ICSA+B working std	Expires:	07/29/21
Standard Type:	Calibration Standa	Prepared:	05/17/21
Solvent:	3.5%HNO3+0.4%HCL	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	05/19/21 14:14 by jsj

Prepare as needed.

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	100	ug/mL
Arsenic	7440-38-2	0.1	ug/mL
Cadmium	7440-43-9	0.1	ug/mL
Calcium	7440-70-2	300	ug/mL
Carbon	7440-44-0	200	ug/mL
Chlorine	7782-50-5	2000	ug/mL
Chromium	7440-47-3	0.2	ug/mL
Cobalt	7440-48-4	0.2	ug/mL
Copper	7440-50-8	0.2	ug/mL
Iron	7439-89-6	250	ug/mL
Magnesium	7439-95-4	100	ug/mL
Manganese	7439-96-5	0.2	ug/mL
Mercury	7439-97-6	0.002	ug/mL
Molybdenum	7439-98-7	2	ug/mL
Nickel	7440-02-0	0.2	ug/mL
Phosphorus	7723-14-0	100	ug/mL
Potassium	7440-09-7	100	ug/mL
Selenium	7782-49-2	0.1	ug/mL
Silver	7440-22-4	0.05	ug/mL
Sodium	7440-23-5	250	ug/mL
Sulfur	7704-34-9	100	ug/mL
Titanium	7440-32-6	2	ug/mL
Tungsten	7440-33-7	0.1	ug/mL
Vanadium	7440-62-2	0.2	ug/mL
Zinc	7440-66-6	0.1	ug/mL

Reviewed By Date

Analytical Standard Record

Apex Laboratories

A21E253

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
A20J050	6020A ICS Analytes B	10/02/20	Marshall Pattee	09/16/21	10/05/20 16:46 by jsj	0.5
A20J051	6020A ICS Interferents A	10/02/20	Marshall Pattee	09/16/21	10/05/20 16:50 by jsj	5
A20L201	Conc. HCl - Omnitrace	12/11/20	Nathan R. Potts	12/09/22	02/16/21 13:46 by jsj	0.2
A21B284	1 Hg Stock 1.00ppm Primary Std	02/16/21	Michael J. Griffith	08/15/21	02/24/21 12:11 by jsj	0.1
A21C305	Conc. HNO3 - Omnitrace	03/25/21	Michael J. Griffith	03/24/23	04/01/21 17:25 by jsj	1.75
A21D260	1 W 10 ppm	04/19/21	Kevin Taucher	07/29/21	05/03/21 16:37 by jsj	0.5

Reviewed By Date

		6 Li (ISTD) [No Gas]		45 Sc (ISTD) [He]		74 Ge (ISTD) [No Gas]		74 Ge (ISTD) [He]		74 Ge (ISTD) [HEHe]		103 Rh (ISTD) [N
Acq. Date-Time	Sample Name	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value
05/13/2021 22:00	rinse		239411.1		97970.98		530665.6		77748.6		84545.8	
05/13/2021 22:05	rinse		237780.4		97328.46		519763.8		77900.9		85299.7	
05/13/2021 22:10	1E13059-CAL0	100	237379.2	100	97258.1	100	520904.6	100	76774.6	100	84514.9	100
05/13/2021 22:15	1E13059-CAL1	99.46600902	236111.6	100.5503398	97793.35	99.74389619	519570.6	100.8527556	77429.3	100.6351699	85051.7	99.77606057
05/13/2021 22:20	1E13059-CAL2	98.84100613	234628	101.2347215	98458.97	100.401051	522993.7	102.1577483	78431.2	101.6392057	85900.3	100.0912852
05/13/2021 22:25	1E13059-CAL3	98.04355198	232735	97.47909257	94806.31	99.87722193	520265.1	98.59843464	75698.6	101.7303967	85977.4	99.94708474
05/13/2021 22:30	1E13059-CAL4	97.5328669	231522.7	99.80498968	97068.44	99.39299639	517742.7	102.415507	78629.1	102.5347084	86657.1	99.56240086
05/13/2021 22:35	1E13059-CAL5	98.10364431	232877.6	101.0484337	98277.79	99.72680221	519481.5	102.214781	78475	102.2563906	86421.9	99.86361939
05/13/2021 22:40	1E13059-CAL6	97.26259746	230881.1	99.75715133	97021.91	99.87839361	520271.2	101.9439146	78267.1	102.2725259	86435.5	99.17517243
05/13/2021 22:45	1E13059-CAL7	97.44552983	231315.4	100.4902762	97734.93	99.72516083	519473	102.9595713	79046.8	103.8137844	87738.1	98.63353236
05/13/2021 22:50	1E13059-CAL8	98.30627231	233358.6	98.54821689	95846.12	101.3010596	527681.9	101.3574753	77816.8	101.0899969	85436.1	99.32447816
05/13/2021 22:55	1E13059-CAL9	94.54267329	224424.6	101.7038958	98915.28	94.32527555	491344.7	97.56272363	74903.4	103.9922854	87889	90.59200473
05/13/2021 23:00	1E13059-ICV1	102.1146843	242399	106.1901922	103278.6	100.3565733	522762.1	105.1734449	80746.5	107.0814008	90499.8	97.90143137
05/13/2021 23:05	1E13059-ICB1	105.5111773	250461.6	103.5377687	100698.9	101.726792	529899.6	101.7256264	78099.5	106.5825461	90078.2	102.8772769
05/13/2021 23:10	1E13059-IFA1	93.69731969	222417.9	97.19469467	94529.71	90.33165149	470541.8	90.0274483	69118.2	97.68366728	82557.3	84.24239937
05/13/2021 23:15	1E13059-IFB1	92.30429096	219111.2	93.77652864	91205.27	87.45989045	455582.6	87.33814424	67053.5	96.32800127	81411.5	81.35707465
05/13/2021 23:20	NR- Wrong vial	96.8229745	229837.6	98.2106169	95517.78	91.7928447	478153.2	91.12929227	69964.2	96.61051944	81650.3	86.439981
05/13/2021 23:25	1050446-BLK1	101.5713159	241109.1	93.71944685	91149.75	95.56432894	497799	91.5523313	70289	98.40299198	83165.2	95.59221145
05/13/2021 23:29	1050446-BS1	100.1676053	237777	94.12139452	91540.68	97.13	505954.7	92.74070993	71201.3	100.1341262	84628.3	96.23984944
05/13/2021 23:34	A1E0079-05	100.3969388	238321.4	109.9017802	106888.4	96.78202653	504142.1	94.1766356	72303.8	100.6701815	85081.3	95.80461804
05/13/2021 23:39	1050446-MS1	100.4890137	238540	110.1694598	107148.7	99.46765945	518131.7	95.21929335	73104.3	100.1542252	84645.3	98.61578369
05/13/2021 23:44	1050446-MSD1	98.57583262	233998.5	106.0452137	103137.6	98.79050737	514604.3	93.51432483	71795.3	100.1908854	84676.2	97.29966524
05/13/2021 23:49	A1E0079-07	96.20115497	228361.5	106.493574	103573.6	97.05459401	505561.9	92.2504612	70825	101.3731738	85675.5	96.04966684
05/13/2021 23:54	A1E0079-14	96.91225782	230049.5	105.3928876	102503.1	97.82759153	509588.5	93.99765721	72166.4	101.2995221	85613.2	97.36519032
05/13/2021 23:59	A1E0079-15	95.11575082	225785	103.8512062	101003.7	96.19755232	501097.5	92.16623633	70760.3	99.48566476	84080.2	95.83915874
05/14/2021 00:03	A1E0079-16	94.53816292	224413.9	98.31901576	95623.21	95.61635254	498070	92.11546435	70721.3	99.69910637	84260.6	96.73576891
05/14/2021 00:08	1E13059-CCV1	95.94485756	227753.1	94.91752701	92314.98	97.79188762	509402.5	95.19304336	73084.1	101.0872203	85433.8	95.9072909
05/14/2021 00:13	1E13059-CCB1	98.5188352	233863.2	95.59834434	92977.13	97.69995781	508923.6	93.29497286	71626.9	100.8705169	85250.6	98.40594787
05/14/2021 00:18	A1E0079-17	96.61507644	229344.1	99.72409496	96989.76	95.24175615	496118.7	92.98081094	71385.7	104.2230021	88084	95.85682204
05/14/2021 00:23	A1E0100-06	95.50425304	226707.2	100.7798665	98016.58	94.49951665	492252.4	91.87234152	70534.7	101.0257874	85381.9	95.12148002
05/14/2021 00:28	A1E0100-07	90.07719577	213824.5	102.7626971	99945.05	88.92500185	463214.5	90.97635547	69846.8	99.72669913	84283.9	88.63377505
05/14/2021 00:33	A1E0100-08	92.1557101	218758.5	101.3194719	98541.39	91.50179783	476637.1	90.50381224	69484	92.67438983	78323.7	91.65575938
05/14/2021 00:37	A1E0100-13	90.6122034	215094.5	96.1207824	93485.25	90.69788614	472449.5	90.47350275	69460.7	96.57560253	81620.8	90.37118599
05/14/2021 00:42	A1E0100-14	88.71388742	210588.3	96.77134347	94117.97	89.05905517	463912.8	89.18342387	68470.2	96.68912884	81716.7	88.88144638
05/14/2021 00:47	A1E0100-19	87.96330905	208806.6	95.09538023	92487.96	88.27239616	459815	88.87968205	68237.1	95.16145375	80425.6	88.50447347
05/14/2021 00:52	A1E0100-20	86.53197873	205408.9	95.45459967	92837.33	88.07553544	458789.6	87.6920198	67325.2	94.53617951	79897.2	88.34278986
05/14/2021 00:57	A1E0100-21	85.5944477	203183.4	91.2502232	88748.23	87.97027369	458241.2	83.06976827	63776.5	95.70434805	80884.5	87.98644967
05/14/2021 01:02	A1E0100-23	85.18143477	202203	96.8021481	94147.93	87.1995645	454226.6	87.79753208	67406.2	95.03149247	80315.8	87.15311987
05/14/2021 01:07	1E13059-CCV2	88.5606319	210224.5	88.12783031	85711.45	90.71855275	472557.2	91.19765252	70016.7	95.79012778	80956.9	89.98148359
05/14/2021 01:11	1E13059-CCB2	90.91602956	215815.7	88.87018493	86433.45	91.86542484	478531.3	90.64944194	69595.8	94.77003961	80094.8	92.89395872
05/14/2021 01:16	A1E0100-24	86.28217163	204815.9	95.41726602	92801.02	88.10126631	458923.6	89.01625493	68341.9	93.95338298	79404.6	87.96154802
05/14/2021 01:21	A1E0100-27	85.81659722	203710.7	94.11809402	91537.47	87.47137368	455642.5	88.20451981	67718.7	93.69502228	79186.3	87.52926924
05/14/2021 01:26	A1E0100-28	84.14901055	199752.2	94.572997	91979.9	85.95641567	447751	86.4440425	66367.1	94.5593904	79916.8	86.20247511
05/14/2021 01:31	A1E0100-29	83.86285654	199073	95.02605267	92420.53	86.40675785	450096.8	86.85971365	66686.2	93.73557528	79220.5	86.84066363
05/14/2021 01:36	A1E0100-30	82.15547138	195020	94.82441051	92224.42	85.45857855	445157.7	86.87596033	66698.7	93.7080614	79197.3	85.62629904
05/14/2021 01:41	Serial Dilution of MS	84.81364062	201329.9	86.93720797	84553.48	86.99750256	453174	88.44182041	67900.9	93.70820338	79197.4	87.6703087
05/14/2021 01:45	1050475-BLK1	81.45957066	193368.1	82.81579975	80545.07	84.39124502	439597.9	86.37711501	66315.7	91.61999213	77432.6	85.95047636
05/14/2021 01:50	1050475-BS1	83.11055098	197287.1	83.34238485	81057.22	85.52680153	445513.1	88.01005019	67569.4	94.48780541	79856.3	86.33600932
05/14/2021 01:55	A1E0100-22	80.36122378	190760.8	92.98907066	90439.4	83.34441683	434144.9	86.72432605	66582.3	91.9840541	77740.2	83.52057877
05/14/2021 02:00	1050475-MS1	80.69505819	191553.3	94.45218787	91862.4	85.47742845	445255.9	86.93384403	66743.1	93.37712179	78917.6	85.09127279
05/14/2021 02:05	1E13059-CCV3	83.32463323	197795.3	84.94970256	82620.47	87.05035357	453449.3	89.85994072	68989.6	93.49962088	79021.1	85.59294692
05/14/2021 02:10	1E13059-CCB3	85.30461042	202495.4	84.9148777	82586.6	87.3410824	454963.8	89.46266974	68684.6	96.53271858	81584.5	88.48284511
05/14/2021 02:15	1050475-MSD1	79.10386688	187776.1	92.43236639	89897.96	83.10546715	432900.2	86.05268059	66066.6	92.973623	78576.6	82.56870039
05/14/2021 02:19	A1E0100-31	79.27915747	188192.2	93.96621635	91389.76	83.21147951	433452.5	87.20748911	66953.2	91.65169462	77459.4	83.22464162
05/14/2021 02:24	A1E0174-03	78.08520405	185358	89.69700896	87237.61	81.62659764	425196.7	86.08051965	66088	91.67946881	77482.8	82.1895231
05/14/2021 02:29	A1E0174-04	76.44118867	181455.5	89.28894354	86840.73	79.57049772	414486.4	85.80266312	65874.7	92.33903285	78040.3	79.99137609
05/14/2021 02:34	A1E0174-05	77.43233013	183808.2	91.68260536	89168.76	81.53622857	424726	85.29206913	65482.7	92.26045106	77973.8	81.94787668
05/14/2021 02:39	A1E0174-06	77.10582296	183033.2	90.09126918	87621.06	81.47572869	424410.9	83.69545236	64256.9	92.88992574	78505.8	82.06729786
05/14/2021 02:44	A1E0174-07	74.92830949	177864.2	93.87840533	91304.35	79.3322257	413245.3	84.56673841	64925.8	91.33651555	77193	79.62009396
05/14/2021 02:49	A1E0180-04	75.60931	179480.8	81.86794725	79623.21	79.93807171	416401.1	79.43901176	60989	89.87872555	75960.9	80.82816137
05/14/2021 02:53	A1E0180-05	75.38494041	178948.1	90.27955169	87804.18	80.79091046	420843.6	85.19626925	65409.1	91.1682415	77050.8	81.09941536
05/14/2021 02:58	A1E0180-06	75.67237086	179630.4	90.54854043	88065.79	79.73570966	415347	84.93923123	65211.8	90.82415629	76760	80.71003162
05/14/2021 03:03	1E13059-CCV4	79.89086096	189644.3	82.67207221	80405.29	83.91918485	437138.9	88.27749096	67774.7	92.7070034	78351.2	82.8760924
05/14/2021 03:08	1E13059-CCB4	81.9327686	194491.3	82.43807971	80177.71	84.73562538	441391.8	87.44879277	67138.5	92.45160864	78135.4	85.59270154
05/14/2021 03:13	A1E0180-09	77.08013129	182972.2	88.6980416	86266.03	80.29668821	418269.2	85.26328792	65460.6	90.68330541	76640.9	80.72771038
05/14/2021 03:18	A1E0180-10	75.7850387	179897.9	88.57245823	86143.89	79.53575368	414305.4	84.69926916	65027.6	91.22629832	77099.8	79.49581359
05/14/2021 03:23	A1E0180-11	75.46434783	179136.6	88.13807796	85721.42	79.30549848	413106	84.09301857	64562.1	90.95071383	76866.9	79.71569115
05/14/2021 03:27	A1E0180-12	75.448181	179098.3	89.51427182	87059.88	79.7231437	415281.6	84.91525196	65193.4	91.55467822	77377.4	80.65648308
05/14/2021 03:32	A1E0180-15	74.77826403	177508	84.70461244	82382.1	78.67826789	409838.8	83.60451521	64187.1	90.68602683	76643.2	79.19536212
05/14/2021 03:37	A1E0180-16	73.41205315	174264.9	86.17213373	83809.38	77.48312657	403613.2	83.2482517	63913.5	90.08654291	76136.6	78.17591159
05/14/2021 03:42	A1E0180-17	72.82740201	172877.1	86.9389559	84555.18	76.78048741	399953.1	82.5113069	63347.8	89.36118378	75523.5	77.58367426
05/14/2021 03:47	A1E0180-18	72.23688965	171475.3	88.05374565	85639.4	77.47281566	403559.5	83.16849445	63852.3	89.486917	75629.8	77.45236191
05/14/2021 03:52	A1E0180-19	72.25320531	171514.1	87.38520151	84989.19	76.5695179	398854.2	83.43859669	64059.7	90.64018482	76604.5	77.3803131
05/14/2021 03:57	A1E0180-22	71.05442558	168668.4	83.34544886	81060.2	75.05478066	390963.8	81.6171053	62661.2	89.16363679	75356.6	76.22518919
05/14/2021 04:02	1E13059-CCV5	75.76288849	179845.3	79.64288836	77459.16	79.99999091	416723.7	85.92189087	65966.2	91.13852683	77025.7	79.33635318
05/14/2021 04:06	1E13059-CCB5	78.53353741	186422.3	78.19648269	76052.41	80.4070283	418843.9	84.28792236	64711.7	92.45783239	78140.7	81.16815726
05/14/2021 04:11	Serial Dilution of MS	77.15125099	183141	80.89139791	78673.44	80.59226886	419808.9	84.93501109	65208.5	90.09254579	76141.6	80.78403204
05/14/2021 04:16	Serial Dilution of MS	75.2943638	178733.1	76.8892154	74780.99	78.56858306	409267.4	81.03125642	62211.5	89.59041353	75717.3	79.0020111
05/14/2021 04:21	Serial Dilution of MS	75.82828035	180000.5	79.72206942	77536.17	78.68903185	409894.8	84.03342858	64516.4	90.04597808	76102.3	79.41812037
05/14/2021 04:26	1050469-BLK1	73.71897	174993.5	77.44083355	75317.48	76.54112435	398706.3	82.36170888	63232.9	89.13325951	75330.9	78.69124698
05/14/2021 04:31	1050469-BS1	74.98382265	177996	77.45960148	75335.74	78.14785475	407075.8	84.59601457	64948.3	90.42191171	76420	78.91486775
05/14/2021 04:35	A1E0219-01	73.02707974	173351.1	75.75013289	73673.14	75.38876885	392703.6	82.27883863	63169.3	87.62605418	74057.1	77.56251515
05/14/2021 04:40	A1E0219-02	73.47152481	174406.1	75.95124725	73868.74	76.32228071	397566.3	81.73353699	62750.6	87.5400102	73984.4	77.85962273
05/14/2021 04:45	A1E0339-01	81.96185287	194560.4	94.00084243	91423.43	82.00976949	427192.7	91.74740876	70438.7	93.63751764	79137.7	76.19544986
05/14/2021 04:50	A1E0418-01	87.70743712	208199.2	90.02468346	87556.3	87.580935	456213.2	90.63177551	69582.2	95.93398798	81078.5	83.48228343
05/14/2021 04:55	1050469-DUP1	85.67233856	203368.3	89.37687452	86926.25	85.02431098	442895.6	89.77557692	68924.9	95.56134765	80763.6	82.40187524
05/14/2021 05:00	1E13059-CCV6	90.52652753	214891.1	90.27084634	87795.71	90.16773793	469687.9	92.97633463	71382.2	98.3205095	83095.5	89.02010532
05/14/2021 05:05	1E13059-CCB6	89.27067455	211910	89.20805568	86762.06	88.47072677	460848.1	91.40836448	70178.4	96.77003764	81785.1	89.55942202
05/14/2021 05:09	1050469-MS1	80.95825876	192178	87.42999983	85032.76	82.64836173	430519.2	87.36752895	67076.1	94.82071311	80137.6	80.41311497
05/14/2021 05:14	A1E0418-02	86.40134384	205098.8	88.93229459	86493.86	87.16168616	454029.3	89.3580041	68604.3	93.89618203	79356.3	86.82898625
05/14/2021 05:19	A1E0418-03	82.06783521	194811.9	82.21065392	79956.52	83.51020469	435008.5	85.08585952	65324.4	92.42338483	78111.5	83.17588033
05/14/2021 05:24	1E13059-CCV7	82.30722438	195380.2	81.87169672	79626.86	84.98266804	442678.7	86.36038205	66302.9	94.07628436	79508.5	83.79381865
05/14/2021 05:29	1E13059-CCB7	84.0670994	199557.8	80.6946945	78482.13	85.03135449	442932.3	83.94230039	64446.4	93.15489672	78729.8	86.3651994

lo Gas]	103 Rh (ISTD) [He]		159 Tb (ISTD) [No Gas]		159 Tb (ISTD) [He]		209 Bi (ISTD) [No Gas]	
CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS
504056.1		177742.8		801627.3		269015.5		489241.8
498151.5		177740.7		794932.8		271105.3		487767.4
495830.5	100	177345.2	100	795336.2	100	270640.2	100	489748.3
494720.1	100.6061812	178420.3	100.3796864	798356	99.66088064	269722.4	100.7130574	493240.5
496283.1	101.5514956	180096.7	100.1159363	796258.3	101.8224725	275572.5	101.1175127	495221.3
495568.1	99.29971801	176103.3	101.2685826	805425.7	98.56969267	266769.2	101.8730661	498921.6
493660.8	101.5749997	180138.4	101.1223882	804263	102.3828611	277089.2	102.0001273	499543.9
495154.3	102.4586829	181705.6	101.5575207	807723.8	102.9240876	278554	101.7168158	498156.4
491740.8	100.0197487	177380.2	102.8295957	817841	103.1361983	279128	102.1432817	500245
489055.1	101.013729	179143	102.3430191	813971.1	102.6009895	277679.5	101.1812046	495533.3
492481.1	99.00362884	175578.2	103.4301438	822617.4	101.7731647	275439.1	100.8745042	494031.2
449182.8	91.24763571	161823.3	97.19374534	773017.1	95.0863558	257341.9	90.18984179	441703.3
485425.2	99.66103213	176744.1	100.1294371	796365.7	100.3401478	271560.8	97.83267054	479133.9
510096.9	99.85297038	177084.5	103.1240238	820182.7	97.58240279	264097.2	101.9191979	499147.6
417699.5	79.41369984	140836.4	93.48284226	743502.9	86.11123691	233051.6	84.79815698	415297.6
403393.2	77.66114629	137728.3	91.85290101	730539.4	85.25193245	230726	82.93882108	406191.5
428595.8	82.50497941	146318.6	94.39771613	750779.2	87.49093461	236785.6	89.65994514	439108.1
473975.3	91.08235356	161530.2	97.91561153	778758.3	91.45691597	247519.2	97.92082602	479565.6
477186.5	92.42904334	163918.5	100.7814226	801551.2	94.76767562	256479.4	100.8423115	493873.5
475028.5	92.60268583	164226.4	103.728605	824991.2	97.50105371	263877.1	99.0397313	485045.4
488967.1	92.55081337	164134.4	105.6990941	840663.2	99.24033952	268584.3	101.5823753	497498
482441.4	92.93425946	164814.5	105.3876987	838186.6	99.55584327	269438.1	102.1102205	500083.1
476243.5	91.56331755	162383.2	103.5508425	823577.4	98.18270286	265721.9	99.96892962	489596.2
482766.3	93.53143747	165873.5	104.2300206	828979.1	98.94931353	267796.6	101.5170363	497178
475199.8	91.81996763	162838.3	103.6797938	824603	98.14891261	265630.4	100.1923736	490690.5
479645.4	93.29143288	165447.9	102.0638294	811750.6	97.29255549	263312.8	101.8597763	498856.6
475537.6	93.38225574	165609	100.6279323	800330.4	95.68075751	258950.6	99.28892799	486265.9
487926.7	92.94937311	164841.3	99.21564116	789097.9	92.96519028	251601.2	99.26315761	486139.7
475287.4	93.81229082	166371.6	101.2131356	804984.7	96.51454469	261207.2	100.5016427	492205.1
471641.3	91.9200925	163015.9	103.0436909	819543.8	97.610743	264173.9	99.7584358	488565.3
439473.3	91.72721821	162673.8	98.19577774	780986.6	97.9788923	265170.3	93.98267754	460278.6
454457.2	90.16015035	159894.7	101.0903787	804008.4	97.76652917	264595.5	97.70767709	478521.7
448087.9	91.49247268	162257.5	99.92738585	794758.7	97.68443247	264373.3	96.95094013	474815.6
440701.3	91.62234555	162487.9	98.33547295	782097.6	99.13287581	268293.4	97.01128677	475111.2
438832.2	91.5511849	162361.7	96.60949181	768370.3	98.59691577	266842.9	96.03077978	470309.1
438030.5	91.069127	161506.7	97.02947436	771710.6	98.90931208	267688.4	95.52341171	467824.3
436263.7	85.8188061	152195.6	97.32790956	774084.1	93.5692284	253236	96.48327613	472525.2
432131.8	89.67816387	159039.9	96.97285386	771260.2	98.67778082	267061.7	94.90509619	464796.1
446155.6	91.11973639	161596.5	95.98992324	763442.6	96.37784906	260837.2	96.81401743	474145
460596.6	93.50749171	165831.1	94.98154887	755422.7	94.36908985	255400.7	96.53069096	472757.5
436140.2	90.88815417	161185.8	97.29162722	773795.6	98.98088805	267882.1	94.60993303	463350.6
433996.8	91.26121938	161847.4	95.67976427	760975.8	98.6513472	266990.2	95.32208314	466838.3
427418.2	90.90632401	161218	96.39770004	766685.8	99.0530318	268077.3	94.89413546	464742.5
430582.5	90.21132173	159985.5	96.81876221	770034.7	98.87074797	267584	95.43747778	467403.5
424561.3	89.78655698	159232.2	96.03253834	763781.6	99.06610943	268112.7	94.34736756	462064.7
434696.1	91.78873853	162782.9	93.85123782	746432.9	96.18130029	260305.3	96.38848799	472061
426168.7	91.32115334	161953.7	90.55813917	720241.7	94.50486544	255768.2	92.48585639	452947.9
428080.3	91.06042646	161491.3	92.05665466	732159.9	96.61987765	261492.2	94.80592144	464310.4
414120.5	89.71960282	159113.4	94.15148651	748820.9	98.7474268	267250.2	93.49389725	457884.8
421908.5	89.81291612	159278.9	95.88489554	762607.3	100.1123768	270944.3	95.19314413	466206.8
424395.9	90.15453419	159884.8	93.25303715	741675.2	96.51904636	261219.3	94.54165919	463016.2
438724.9	92.86057456	164683.8	91.81643802	730249.4	95.06397676	257281.3	93.80185201	459393
409400.8	89.58087904	158867.4	93.33355068	742315.5	99.13260362	268292.7	92.16375627	451370.5
412653.2	90.95205214	161299.1	93.65063545	744837.4	99.55668079	269440.4	93.23581708	456620.9
407520.7	89.87618255	159391.1	92.17926947	733135.1	97.90485796	264969.9	92.49442065	452989.9
396621.6	89.92717161	159481.5	90.07074698	716365.3	97.66270621	264314.5	90.56589275	443545
406322.6	90.62245582	160714.6	93.28917993	741962.6	99.13978782	268312.1	92.91825943	455065.6
406914.7	87.47234748	155128	93.03725545	739959	97.03395385	262612.9	92.98929455	455413.5
394780.7	88.76830382	157426.3	91.93669366	731205.8	99.76823227	270012.9	90.44104632	442933.5
400770.7	84.0474681	149054.2	90.89516476	722922.2	92.14130431	249371.4	91.49551646	448097.8
402115.6	89.25047262	158281.5	92.57059621	736247.5	99.09837244	268200	92.27340578	451907.5
400185	89.67023583	159025.9	91.42433928	727130.9	98.36526505	266216	92.96538635	455296.4
410924.9	91.0700837	161508.4	91.49072881	727658.9	96.68655905	261672.7	92.30926025	452083.1
424394.7	92.0239596	163200.1	89.50101519	711834	94.40635458	255501.6	92.54791003	453251.9
400272.6	89.2829197	158339	90.4984621	719767.1	97.85340835	264830.7	90.73550095	444375.6
394164.5	89.28018868	158334.2	90.89263166	722902	98.34579886	266163.3	89.93078152	440434.5
395254.7	89.89955316	159432.6	90.62920261	720806.9	99.09167228	268181.9	90.5481714	443458.2
399919.4	89.60097356	158903	92.25443223	733732.9	99.46698606	269197.7	92.53551863	453191.2
392674.8	89.47443129	158678.6	89.83528262	714492.6	98.7839045	267349	90.98187579	445582.2
387620	88.47583095	156907.7	89.51446862	711941	98.60745006	266871.4	90.22273555	441864.3
384683.5	87.97387777	156017.5	89.34781834	710615.6	97.53194958	263960.7	89.27780602	437236.6
384032.4	88.62034758	157164	89.61008436	712701.5	98.63240077	266938.9	89.76275305	439611.6
383675.2	88.74239955	157380.4	89.53179462	712078.8	99.09086308	268179.7	90.82869439	444832
377947.7	87.40945132	155016.5	87.80445934	698340.7	97.00261211	262528.1	88.49341336	433395
393373.8	88.71771323	157336.6	88.25279886	701906.5	96.29699633	260618.4	91.00116665	445676.7
402456.5	89.88971172	159415.1	86.78953764	690268.6	92.37322107	249999.1	90.74290203	444411.9
400551.9	89.89604776	159426.3	88.12381316	700880.6	95.5838096	258688.2	91.59337284	448577
391716.1	85.96498239	152454.8	86.97660695	691756.5	92.21967527	249583.5	90.34872952	442481.4
393779.3	89.34821795	158454.8	87.77579473	698112.7	95.59870022	258728.5	91.32438299	447259.6
390175.2	88.78194013	157450.5	84.48874593	671969.6	92.71644059	250928	88.98803747	435817.4
391284	89.48305477	158693.9	87.0586406	692408.9	95.36337426	258091.6	91.08809429	446102.4
384578.6	88.28003769	156560.4	83.64091163	665226.5	92.99844723	251691.2	87.48141605	428438.8
386051.8	88.37818149	156734.5	84.01846474	668229.3	91.41839003	247414.9	88.10188983	431477.5
377800.3	84.93799673	150633.5	83.32406074	662706.4	90.36650024	244568.1	79.17401741	387753.4
413930.6	89.14489512	158094.2	91.49105195	727661.5	94.20721319	254962.6	86.78074326	425007.2
408573.6	87.55608623	155276.5	90.5667963	720310.5	94.24520952	255065.4	87.84671727	430227.8
441388.8	93.1747377	165240.9	95.7836742	761802.3	96.13032609	260167.3	95.07057778	465606.6
444062.9	93.79948341	166348.9	94.07095328	748180.4	94.86767185	256750.1	95.00090866	465265.4
398712.8	87.61874368	155387.7	89.56578821	712349.2	93.99565802	254390	87.20172138	427069
430524.6	91.84137597	162876.3	96.61596455	768421.8	98.38772291	266276.7	96.15082171	470897.1
412411.4	89.14215658	158089.4	90.18190793	717249.4	94.91794524	256886.1	92.4060045	452556.9
415475.3	87.19953871	154644.2	91.24134414	725675.5	92.13311139	249349.2	92.45425172	452793.2
428225	86.77858949	153897.7	90.24990056	717790.2	88.9873457	240835.5	92.50630703	453048.1

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

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection Benchsheet and Analysis Sequence Data (Including Calibration)

Batch 1050438
Sequence 1E13036 (A1E0219-01,02)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050438 (Water)

Prep Method: ASTM D7511-12 (W)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050438-BLK1		QC	05/13/21 08:41	10	10									
	1050438-BS1		QC	05/13/21 08:41	10	10	A21D279		25						
	1050438-BS2		QC	05/13/21 08:41	10	10	A21B053		1000						
	A1E0101-01	D	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Wastewater				
	A1E0143-01	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Outfall 002 Monthly Grab				
	A1E0176-01	D	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Wastewater-Grab				
	1050438-MS1		QC	05/13/21 08:41	9.95	10	A21D216	A1E0176-01	50						
	1050438-MSD1		QC	05/13/21 08:41	9.95	10	A21D216	A1E0176-01	50						
	A1E0176-03	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Source Water				
	A1E0177-01	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Waste Water				
	A1E0177-01RE1	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Waste Water	Added 5/13/2021 by wvo			
	A1E0219-01	D	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					SC-FB-2105030940				
	A1E0219-02	D	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					SC-RB-2105030901				
	A1E0223-02	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Plant#4 Cyanide Grab				
	1050438-MS2		QC	05/13/21 08:41	9.95	10	A21D216	A1E0223-02	50						
	1050438-MSD2		QC	05/13/21 08:41	9.95	10	A21D216	A1E0223-02	50						
	A1E0229-06	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Outfall 001-Composite	composite 4-125 ml bottles to create lab composite			
	A1E0229-06RE1	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Outfall 001-Composite	Added 5/13/2021 by wvo			
	A1E0229-12	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C101-Composite	composite 4-125 ml bottles to create lab composite			
	A1E0229-12RE1	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C101-Composite	Added 5/13/2021 by wvo			
	A1E0229-18	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C102-Composite	composite 4-125 ml bottles to create lab composite			

WVO 5/17/21
Prepared By: Date

das 05/17/2021
Reviewed By: Date

Analyst Review: Date

Printed: 5/17/2021 4:47:18PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050438 (Water)

Prep Method: ASTM D7511-12 (W)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	A1E0229-18RE1	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C102-Composite	Added 5/13/2021 by wvo			
	A1E0229-18RE2	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C102-Composite	Added 5/13/2021 by wvo			
	A1E0229-18RE3	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C102-Composite	Added 5/13/2021 by wvo			
	A1E0229-24	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C103-Composite	composite 4-125 ml bottles to create lab composite			
	A1E0229-24RE1	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C103-Composite	Added 5/13/2021 by wvo			
	A1E0229-24RE2	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C103-Composite	Added 5/13/2021 by wvo			
	A1E0229-24RE3	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					C103-Composite	Added 5/13/2021 by wvo			
	A1E0241-01	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					K2104850-008				
	A1E0339-08	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					RD-051021-385 Composite	Custom: MDL & units ug/L			
	A1E0448-01	D	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Wastewater-Grab				
	A1E0451-01	B	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Quarterly Compliance				
	A1E0451-01RE1	B	Cyanide, Total (ASTM D7511, OIA)	05/13/21 08:41	10	10					Quarterly Compliance	Added 5/13/2021 by wvo			
	A1E0511-01	A	Cyanide, Total (ASTM D7511, OIA)	05/13/21 15:08	10	10					K2105213-009				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20J476	10/29/29	Syringe Filters, 0.45 um PP
A21D004	09/28/21	Total CN-TA2/SAR-working
A21D208	04/11/22	0.1 N NaOH
A21D338	10/20/21	Total CN-TA1 working

Analyte Spike(s)

Std ID	Exp. Date	Description
A21B053	05/09/21	Total CN Challenge Mtx. Stock Solution
A21D216	10/12/21	Cyanide working -1-
A21D279	10/16/21	Cyanide working -2- TOTAL

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

Analyst Review: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050438 (Water)

Prep Method: ASTM D7511-12 (W)

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11

Prepared By: Date

Reviewed By: Date

Analyst Review: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1E13036	Instrument:	OIA FS3000-2
Date:	05/13/21 08:49	Calibration:	A1E1202

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E13036-CAL1	Water	QC	QC				
2	1E13036-CAL2	Water	QC	QC				A21D219
3	1E13036-CAL3	Water	QC	QC				A21D220
4	1E13036-CAL4	Water	QC	QC				A21D221
5	1E13036-CAL5	Water	QC	QC				A21D222
6	1E13036-CAL6	Water	QC	QC				A21D223
7	1E13036-CAL7	Water	QC	QC				A21D218
8	1E13036-ICV1	Water	QC	QC				A21E027
9	1E13036-ICB1	Water	QC	QC				
10	1050438-BS2	Water	QC	QC		1050438		
11	1050438-BLK1	Water	QC	QC		1050438		
12	1050438-BS1	Water	QC	QC		1050438		
13	A1E0339-08	Water	Cyanide, Total (ASTM D7511, OIA)		05/14/21	1050438		
14	A1E0101-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/17/21	1050438		
15	A1E0143-01 *	Water	Cyanide, Total (ASTM D7511, OIA)		05/17/21	1050438		
16	1050438-MS1	Water	QC	QC		1050438		
17	1050438-MSD1	Water	QC	QC		1050438		
18	A1E0176-03	Water	Cyanide, Total (ASTM D7511, OIA)		05/18/21	1050438		
19	1E13036-CCV1	Water	QC	QC				A21D223
20	1E13036-CCB1	Water	QC	QC				
21	A1E0219-01	Water	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/17/21	1050438		
22	A1E0219-02	Water	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	05/17/21	1050438		
23	A1E0223-02	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
24	1050438-MS2	Water	QC	QC		1050438		
25	1050438-MSD2	Water	QC	QC		1050438		
26	A1E0229-06	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
27	A1E0229-12	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
28	A1E0229-18	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
29	A1E0229-24	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
30	A1E0241-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/14/21	1050438		
31	1E13036-CCV2	Water	QC	QC				A21D223
32	1E13036-CCB2	Water	QC	QC				
33	A1E0177-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/18/21	1050438		
34	A1E0448-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/25/21	1050438		
35	A1E0451-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/25/21	1050438		
36	A1E0176-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/18/21	1050438		
37	1E13036-CCV3	Water	QC	QC				A21D223
38	1E13036-CCB3	Water	QC	QC				
39	A1E0229-06RE1	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
40	A1E0229-12RE1	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
41	A1E0229-18RE1	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
42	A1E0229-24RE1	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
43	1E13036-CCV4	Water	QC	QC				A21D223
44	1E13036-CCB4	Water	QC	QC				
45	A1E0177-01RE1	Water	Cyanide, Total (ASTM D7511, OIA)		05/18/21	1050438		
46	A1E0451-01RE1	Water	Cyanide, Total (ASTM D7511, OIA)		05/25/21	1050438		
47	1E13036-CCV5	Water	QC	QC				A21D223
48	1E13036-CCB5	Water	QC	QC				
49	A1E0229-18RE2	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
50	A1E0229-18RE3	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		

A1E0176-01 moved to here. das 05/17/2021

Sequence: **1E13036** Instrument: **OIA FS3000-2**

Date: **05/13/21 08:49** Calibration: **A1E1202**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
51	A1E0229-24RE2	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
52	A1E0229-24RE3	Water	Cyanide, Total (ASTM D7511, OIA)		05/19/21	1050438		
53	1E13036-CCV6	Water	QC	QC				A21D223
54	1E13036-CCB6	Water	QC	QC				
55	A1E0511-01	Water	Cyanide, Total (ASTM D7511, OIA)		05/26/21	1050438		
56	1E13036-CCV7	Water	QC	QC				A21D223
57	1E13036-CCB7	Water	QC	QC				

Reagent	Description:	Expires:
A20J476	Syringe Filters, 0.45 um PP	10/29/2029
A21D004	Total CN-TA2/SAR-working	9/28/2021
A21D208	0.1 N NaOH	4/11/2022
A21D338	Total CN-TA1 working	10/20/2021

Standard	Description:	Expires:
A21D218	CN Cal STD 50ppb	10/12/2021
A21D219	CN Cal STD 1ppb	10/12/2021
A21D220	CN Cal STD 2ppb	10/12/2021
A21D221	CN Cal STD 5ppb	10/12/2021
A21D222	CN Cal STD 10ppb	10/12/2021
A21D223	CN Cal STD 25ppb	10/12/2021
A21E027	CN ICV 25 ppb	5/18/2021

Data Entered By/Date: WO 5/14/21 Comments:

Data Reviewed By/Date: das 05/17/2021

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	WVO
Operator ID	WVO
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\1E13036.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	13-May-21
Time acquired	15:56

	TOTAL CN 50ppb					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1171183	26.972				
Sync 25 ppb	1165721	26.847				
Sync 25 ppb	1197676	27.582				
(Statistics)				1178193	27.134	1.45% ✓
Carryover	37923	0.951				
Read Baseline	18904	0.515	BL			
Cal 0.0 ppb	-6129	-0.058	LO			
Cal 1.0 ppb	28589	0.737				
Cal 2.0 ppb	82460	1.971				
Read Baseline	9952	0.310	BL			
Cal 5.0 ppb	222080	5.170				
Cal 10.0 ppb	445277	10.288				
Read Baseline	-2335	0.029	BL			
Cal 25.0 ppb	1075388	24.767				
Cal 50.0 ppb	2170763	50.043				
Read Baseline	16653	0.464	BL			
1E13036-ICV1	1115248	25.685				
1E13036-ICB1	26484	0.689				
Read Baseline	-505	0.071	BL			
1050438-BS2	113489	2.681				
1050438-BLK1	-32804	-0.669	LO			
1050438-BS1	1111225	25.592				
Read Baseline	14493	0.414	BL			
A1E0339-08@5	1198657	27.605				
A1E0101-01	-15217	-0.266	LO			
A1E0143-01	446263	10.310				
Read Baseline	5987	0.219	BL			

<3%, okay. das 05/17/2021

Result path	C:\FLOW_4\1E13036.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	13-May-21
Time acquired	15:56

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A1E0176-01	28239	0.729				
1050438-MS1	1160163	26.719				
Read Baseline	21483	0.574	BL			
1050438-MSD1	1222772	28.160				
A1E0176-03	35182	0.888				
Read Baseline	8028	0.266	BL			
1E13036-CCV1	1160411	26.724				
1E13036-CCB1	31891	0.813				
Read Baseline	14199	0.407	BL			
A1E0219-01	-6871	-0.075	LO			
A1E0219-02	-24390	-0.476	LO			
A1E0223-02	1825607	42.064				
Read Baseline	23442	0.619	BL			
1050438-MS2	2911686	67.216	HI			
1050438-MSD2	2901910	66.989	HI			
A1E0229-06@20	38240	0.958	FL			
Read Baseline	25899	0.675	BL			
A1E0229-12@20	33467	0.849				
A1E0229-18@20	-108492	-2.401	LO			
Read Baseline	41925	1.042	BL			
A1E0229-24@20	12669	0.372				
Read Baseline	21440	0.573	BL			
A1E0241-01	171834	4.018				
Read Baseline	15570	0.439	BL			
1E13036-CCV2	1089769	25.098				
1E13036-CCB2	40395	1.007				
Read Baseline	-1024	0.059	BL			
A1E0177-01@2	71349	1.716				
A1E0448-01	202114	4.712				
A1E0451-01@2	432228	9.988				
Read Baseline	24888	0.652	BL			
1E13036-CCV3	1098846	25.307				
1E13036-CCB3	72888	1.751				
Read Baseline	14653	0.418	BL			
A1E0229-06RE1	364132	8.426				
Read Baseline	38175	0.956	BL			
A1E0229-12RE1	44303	1.097				

~~NR. E.~~ WD 5/14/21

NR. over diluted

NR. over diluted

NR. over diluted.

NR. over diluted.

~~NR. possible NT.~~ WD 5/14/21

WD 5/14/21

Result path	C:\FLOW_4\1E13036.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	13-May-21
Time acquired	15:56

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	66902	1.614	BL			
A1E0229-18RE1	283070	6.568	— NR. possible MI.			
Read Baseline	-11284	-0.176	BL			
A1E0229-24RE1	33357	0.846	—			
Read Baseline	32381	0.824	BL			
1E13036-CCV4	1161916	26.759				
1E13036-CCB4	46571	1.149				
Read Baseline	-9560	-0.137	BL			
A1E0177-01RE1	202656	4.724				
A1E0451-01RE1	679255	15.659				
Read Baseline	52975	1.295	BL			
1E13036-CCV5	1121081	25.819				
1E13036-CCB5	26283	0.684				
Read Baseline	3730	0.168	BL			
A1E0229-18RE2@5	-72941	-1.587	LO - RE04			
Read Baseline	27167	0.704	BL			
A1E0229-18RE3@2	147936	3.471	— NR. possible MI.			
Read Baseline	-7733	-0.095	BL			
A1E0229-24RE2@5	59971	1.456	— NR. over diluted.			
Read Baseline	-1120	0.057	BL			
A1E0229-24RE3@2	-8549	-0.113	LO - NR. possible MI.			
Read Baseline	-8206	-0.106	BL			
1E13036-CCV6	1180368	27.184				
1E13036-CCB6	23498	0.620				
Read Baseline	4666	0.189	BL			
A1E0511-01	303179	7.029				
Read Baseline	-1306	0.052	BL			
1E13036-CCV7	1166743	26.870				
1E13036-CCB7	20155	0.544				
Read Baseline	1563	0.118	BL			

WRO 5/14/21

Result path	C:\FLOW_4\1E13036.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	13-May-21
Time acquired	15:56

Date	Time	Cup	Name
13-May-21	14:19	0	Read Baseline
13-May-21	14:21	126	A1E0229-18RE1
13-May-21	14:23	0	Read Baseline
13-May-21	14:25	127	A1E0229-24RE1
13-May-21	14:27	0	Read Baseline
13-May-21	14:29	106	1E13036-CCV4
13-May-21	14:31	0	1E13036-CCB4
13-May-21	14:33	0	Read Baseline
13-May-21	14:35	118	A1E0177-01RE1
13-May-21	14:37	131	A1E0451-01RE1
13-May-21	14:39	0	Read Baseline
13-May-21	14:41	106	1E13036-CCV5
13-May-21	14:43	0	1E13036-CCB5
13-May-21	14:45	0	Read Baseline
13-May-21	14:59	126	A1E0229-18RE2@5
13-May-21	15:01	0	Read Baseline
13-May-21	15:03	132	A1E0229-18RE3@2
13-May-21	15:05	0	Read Baseline
13-May-21	15:07	127	A1E0229-24RE2@5
13-May-21	15:09	0	Read Baseline
13-May-21	15:11	133	A1E0229-24RE3@2
13-May-21	15:13	0	Read Baseline
13-May-21	15:15	106	1E13036-CCV6
13-May-21	15:17	0	1E13036-CCB6
13-May-21	15:19	0	Read Baseline
13-May-21	15:33	134	A1E0511-01
13-May-21	15:35	0	Read Baseline
13-May-21	15:37	106	1E13036-CCV7
13-May-21	15:39	0	1E13036-CCB7
13-May-21	15:41	0	Read Baseline

Result path	C:\FLOW_4\1E13036.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	13-May-21
Time acquired	15:56

Date	Time	Cup	Name
13-May-21	12:52	114	A1E0176-01
13-May-21	12:54	115	1050438-MS1
13-May-21	12:56	0	Read Baseline
13-May-21	12:58	116	1050438-MSD1
13-May-21	13:00	117	A1E0176-03
13-May-21	13:02	0	Read Baseline
13-May-21	13:04	106	1E13036-CCV1
13-May-21	13:06	0	1E13036-CCB1
13-May-21	13:08	0	Read Baseline
13-May-21	13:10	119	A1E0219-01
13-May-21	13:12	120	A1E0219-02
13-May-21	13:14	121	A1E0223-02
13-May-21	13:16	0	Read Baseline
13-May-21	13:18	122	1050438-MS2
13-May-21	13:20	123	1050438-MSD2
13-May-21	13:22	124	A1E0229-06@20
13-May-21	13:24	0	Read Baseline
13-May-21	13:26	125	A1E0229-12@20
13-May-21	13:28	126	A1E0229-18@20
13-May-21	13:30	0	Read Baseline
13-May-21	13:32	127	A1E0229-24@20
13-May-21	13:34	0	Read Baseline
13-May-21	13:36	128	A1E0241-01
13-May-21	13:38	0	Read Baseline
13-May-21	13:40	106	1E13036-CCV2
13-May-21	13:42	0	1E13036-CCB2
13-May-21	13:44	0	Read Baseline
13-May-21	13:46	118	A1E0177-01@2
13-May-21	13:48	130	A1E0448-01
13-May-21	13:50	131	A1E0451-01@2
13-May-21	13:52	0	Read Baseline
13-May-21	13:54	106	1E13036-CCV3
13-May-21	13:56	0	1E13036-CCB3
13-May-21	14:11	0	Read Baseline
13-May-21	14:13	124	A1E0229-06RE1
13-May-21	14:15	0	Read Baseline
13-May-21	14:17	125	A1E0229-12RE1

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	WVO
Operator ID	WVO
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\1E13036.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	13-May-21
Time acquired	15:56

Date	Time	Cup	Name
13-May-21	12:00	106	Sync 25 ppb
13-May-21	12:02	106	Sync 25 ppb
13-May-21	12:04	106	Sync 25 ppb (Statistics)
13-May-21	12:06	0	Carryover
13-May-21	12:08	0	Read Baseline
13-May-21	12:10	101	Cal 0.0 ppb
13-May-21	12:12	102	Cal 1.0 ppb
13-May-21	12:14	103	Cal 2.0 ppb
13-May-21	12:16	0	Read Baseline
13-May-21	12:18	104	Cal 5.0 ppb
13-May-21	12:20	105	Cal 10.0 ppb
13-May-21	12:22	0	Read Baseline
13-May-21	12:24	106	Cal 25.0 ppb
13-May-21	12:26	107	Cal 50.0 ppb
13-May-21	12:28	0	Read Baseline
13-May-21	12:30	108	1E13036-ICV1
13-May-21	12:32	0	1E13036-ICB1
13-May-21	12:34	0	Read Baseline
13-May-21	12:36	109	1050438-BS2
13-May-21	12:38	110	1050438-BLK1
13-May-21	12:40	111	1050438-BS1
13-May-21	12:42	0	Read Baseline
13-May-21	12:44	129	A1E0339-08@5
13-May-21	12:46	112	A1E0101-01
13-May-21	12:48	113	A1E0143-01
13-May-21	12:50	0	Read Baseline

TOTAL CN 50ppb:Calibration 1: Peak 6-93

File name: C:\FLOW_4\1E13036.RST
Date: 13-May-21
Operator: WVO

*	Name	Conc	Area
*	Cal 0.0 ppb	0.000000	-6128.665527
*	Cal 1.0 ppb	1.000000	28589.117188
*	Cal 2.0 ppb	2.000000	82459.765625
*	Cal 5.0 ppb	5.000000	222079.640625
*	Cal 10.0 ppb	10.000000	445276.687500
*	Cal 25.0 ppb	25.000000	1075388.375000
*	Cal 50.0 ppb	50.000000	2170763.250000

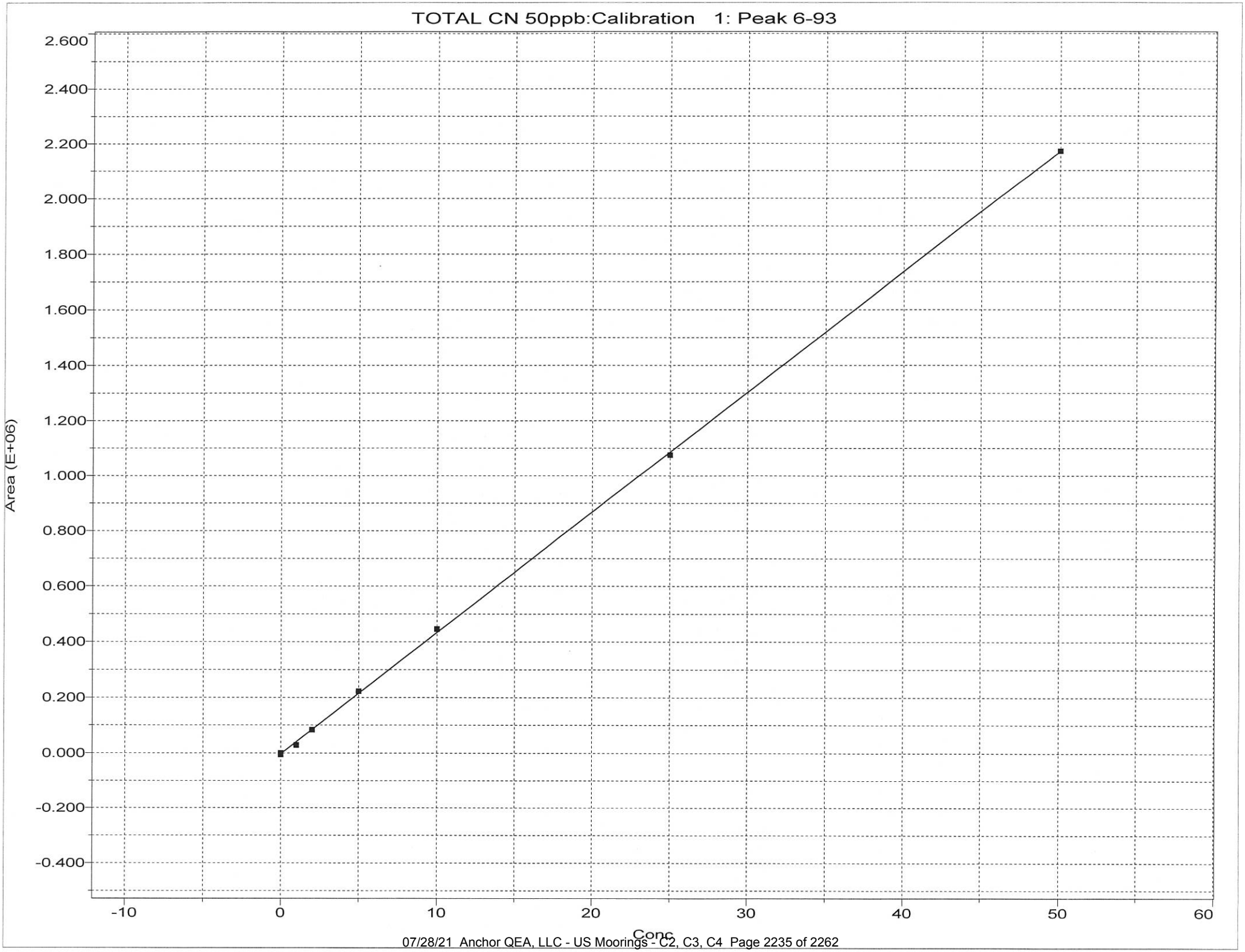
Calib Coef:
x=cyy+by+a

a: (intercept)	8.2374e-02
b:	2.2895e-05
c:	5.5661e-14

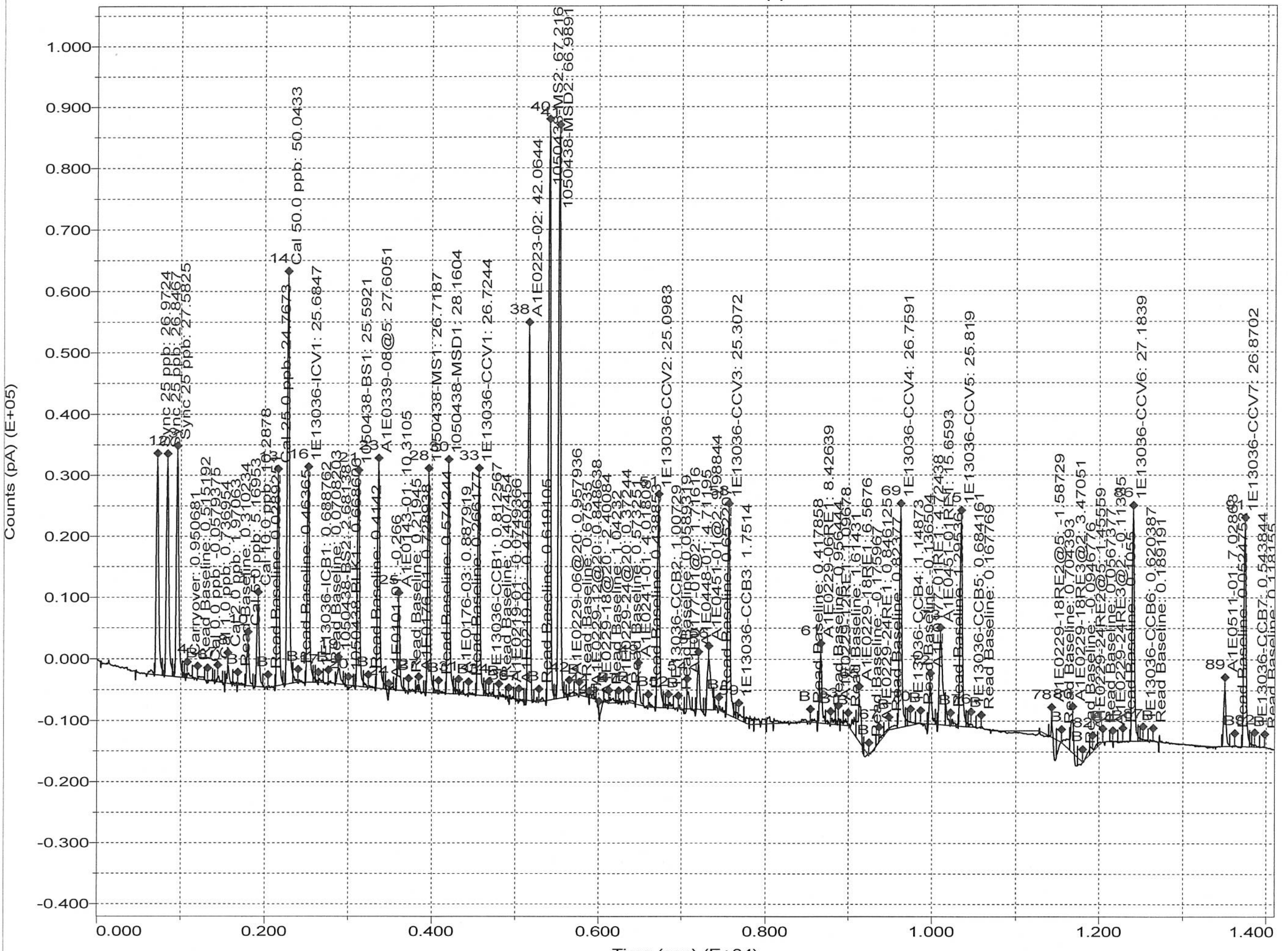
Corr Coef: 0.999943

Carryover: n/a

No Drift Peaks


TOTAL CN 50ppb:Calibration 1: Peak 6-93
Area (E+06)
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-10
0
10
20
30
40
50
60
Conc

Channel 1: TOTAL CN 50ppb



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

Conventional Chemistry Parameters

Total Organic Carbon- Soil (SM 5310 B)
Benchsheet Data (Including Calibration)

Batch 1050548
Sequence 1E17037 (A1E0219-01,02)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050548 (Water)

Prep Method: Method Prep: Aq

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1050548-BLK1		QC	05/17/21 08:43	40	40									
	1050548-BS1		QC	05/17/21 08:43	40	40	A20L373		400						
	1050548-BS2		QC	05/17/21 08:43	40	40	A20L308		4100						
	1050548-BS3		QC	05/17/21 08:43	40	40	A20L308		4100						
	A1E0219-01	F	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					SC-FB-2105030940	Waters			
	1050548-DUP1		QC	05/17/21 08:43	40	40		A1E0219-01							
	1050548-MS1		QC	05/17/21 08:43	40	40.4	A20L373	A1E0219-01	400						
	A1E0219-02	F	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					SC-RB-2105030901	Waters			
	A1E0272-01	F	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					GW-02_0521				
	A1E0272-01RE1	F	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					GW-02_0521	Added 5/18/2021 by jkp			
	A1E0305-01	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					BG				
	A1E0305-01RE1	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					BG	Added 5/18/2021 by jkp			
	A1E0305-02	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					Pond				
	A1E0305-02RE1	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					Pond	Added 5/18/2021 by jkp			
	A1E0305-03	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					SW-1				
	A1E0305-03RE1	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					SW-1	Added 5/18/2021 by jkp			
	A1E0305-04	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					SW-2				
	A1E0305-04RE1	B	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					SW-2	Added 5/18/2021 by jkp			
	A1E0394-01	F	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					GW-03_0521				
	A1E0394-01RE1	F	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					GW-03_0521	Added 5/18/2021 by jkp			
	A1E0452-01	E	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					MW10				

JKP 5/19/21
Prepared By: Date

das 05/19/2021
Reviewed By: Date

Analyst Review: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1050548 (Water)

Prep Method: Method Prep: Aq

#	Lab Number		Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A1E0452-01RE1	E	Total Organic Carbon - H2O (5310C)	05/17/21 08:43	40	40					MW10	Added 5/18/2021 by jkp			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A21D193	10/10/21	5% H3PO4 OI TOC
A21E076	05/27/21	Sodium Persulfate Reagent OI TOC

Analyte Spike(s)

Std ID	Exp. Date	Description
A20L308	12/31/21	1000 ug/ml Inorganic Carbon
A20L373	12/14/21	TOC 1000ppm -2-

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

Analyst Review: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1E17037**	Instrument:	**TOC5**
Date:	**05/17/21 09:01**	Calibration:	**A1A1403**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E17037-CCV1	Water	QC	QC				A20I396
2	1E17037-CCB1	Water	QC	QC				
3	1050548-BS2	Water	QC	QC		1050548		
4	1050548-BLK1	Water	QC	QC		1050548		
5	1050548-BS1	Water	QC	QC		1050548		
6	A1E0219-01	Water	Total Organic Carbon - H2O (5310C)	Anchor QEA, LLC	05/17/21	1050548		
7	1050548-DUP1	Water	QC	QC		1050548		
8	1050548-MS1	Water	QC	QC		1050548		
9	A1E0219-02	Water	Total Organic Carbon - H2O (5310C)	Anchor QEA, LLC	05/17/21	1050548		
10	1E17037-CCV2	Water	QC	QC				A20I396
11	1E17037-CCB2	Water	QC	QC				
12	A1E0272-01	Water	Total Organic Carbon - H2O (5310C)		05/19/21	1050548		
13	A1E0305-01	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
14	A1E0305-02	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
15	A1E0305-03	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
16	A1E0305-04	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
17	A1E0394-01	Water	Total Organic Carbon - H2O (5310C)		05/24/21	1050548		
18	A1E0452-01	Water	Total Organic Carbon - H2O (5310C)		05/25/21	1050548		
19	1050553-BLK1	Water	QC	QC		1050553		
20	1050553-BS1	Water	QC	QC		1050553		
21	A1E0385-02	Water	Dissolved Organic Carbon (5310C)		05/20/21	1050553		
22	1050553-DUP1	Water	QC	QC		1050553		
23	1050553-MS1	Water	QC	QC		1050553		
24	A1E0385-01	Water	Dissolved Organic Carbon (5310C)		05/20/21	1050553		
25	1E17037-CCV3	Water	QC	QC				A20I396
26	1E17037-CCB3	Water	QC	QC				

Reagent	Description:	Expires:
A21D193	5% H3PO4 OI TOC	10/10/2021
A21E076	Sodium Persulfate Reagent OI TOC	5/27/2021

Standard	Description:	Expires:
A20I396	TOC CCV @ 10 mg/L	8/31/2022

Data Entered By/Date: JKP 5-19-21 Comments:

Data Reviewed By/Date: das 05/19/2021

NR after CCV2 And CCB2. Sample table was mislabeled. Verified with sample tray. Made changes and saved as sequence 1E17037B. JKP 5/15/21

Sample Results Summary

Spl #	Vial #	Sample ID	Num Rep	Act Rep	Method	Type	Dil	Cust ID	Mode	Avg. Area (cts)	Avg. Mass (ug)	Avg. Conc (PPM)	Std. Dev	% RSD	Notes
1	1	RINSE	3	4	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	5,377	0.378	0.076	369	6.85	Pass
2	2	1E17037-CCV1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	203,334	51.978	10.395	332	0.16	
3	3	1E17037-CCB1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	4,057	1.037	0.207	97	2.40	
4	4	1050548-BS2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	12,628	2.232	0.446	449	3.56	Pass
5	5	1050548-BLK1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	4,473	0.147	0.029	218	4.87	Pass
6	6	1050548-BS1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	199,570	50.019	10.004	2,314	1.16	Pass
7	7	A1E0219-01	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	8,753	1.241	0.248	234	2.67	Pass
8	8	1050548-DUP1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	9,025	1.311	0.262	460	5.10	Pass
9	9	105054--MS1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	211,382	53.038	10.608	2,465	1.17	Pass
10	10	A1E0219-02	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	8,350	1.138	0.228	58	0.69	Pass
11	11	~~A1E0272-01~~ 1E17037-CCV2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	202,574	50.787	10.158	1,056	0.52	Pass
12	12	~~A1E0305-01~~ 1E17037-CCB2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	4,585	0.176	0.035	140	3.05	Pass
13	13	~~A1E0305-02~~ A1E0272-01@5	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	95,532	23.424	4.685	431	0.45	Pass
14	14	~~1E17037-CCV2~~ A1E0305-01	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	85,354	21.819	4.363	1,431	1.68	
15	15	~~1E17037-CCB2~~ A1E0350-02	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	624,854	159.730	31.946	3,761	0.60	
16	16	A1E0305-03	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	82,679	20.139	4.028	1,083	1.31	Pass
17	17	A1E0305-04 JKP 5/18/21	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	103,447	25.447	5.090	524	0.51	Pass
18	18	A1E0394-01	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	93,716	22.960	4.592	527	0.56	Pass
19	19	A1E0452-01	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	24,997	5.393	1.079	1,022	4.09	Pass
20	20	1050553-BLK1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	5,784	1.479	0.296	539	9.31	
21	21	1050553-BS1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	203,379	51.989	10.398	1,178	0.58	
22	22	A1E0385-02	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	41,966	9.731	1.946	831	1.98	Pass
23	23	1050553-DUP1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	42,671	9.911	1.983	305	0.72	Pass
24	24	1050553-MS1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	241,363	60.702	12.141	1,897	0.79	Pass
25	25	A1E0385-01	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	254,068	63.950	12.790	5,690	2.24	Pass
26	26	1E17037-CCV3	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	202,248	51.700	10.340	1,438	0.71	

27	27	1E17037-CCB3	3	4	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	5,006	1.280	0.256	262	5.24

Method Summary

Method Details

Method Name:	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM
Date Created:	09/12/2017
Time Created:	12:22
Created By:	toc

Analysis Mode: NPOC Only

Sparging Mode:	Internal
Pre-Acid Volume (mL):	1.000
Sparge Time (mm:ss):	02:00

Volumes

Sample Volume (mL):	5.000
Acid Volume (mL):	1.000
Persulfate Volume(mL):	2.000

Other

SysPressure: 21.00

Pre-Processing

Sample Dilution:	Disabled
Dilution Mode:	Automatic
Dilution Factor:	1 : 1

Times

	React	Detect
TIC	01:30	03:00
TOC	02:30	03:30

Temp

	React	Detect
TIC	70	70
TOC	98	98

Outlier Removal Criteria

Enabled:	No
Additional Replicates:	0
Max. % RSD.	3.00

Rinses

Rinse Volume (mL):	15.000
Rinses Per Sample:	1
Rinses Per Replicate:	0

Max. Std. Dev. 100 Use Modified Oxidant: No

Calibration Summary

Calibration Generation

Generation Mode:	Manual
# of Stds:	5
Dilution Factor:	10 : 1
Dilution Volume (mL):	1.000
Add Zero as Std #1:	No

Calibration Mode

Primary Mode:	TOC
User for ALL Modes:	Enabled

Calibration Pass/Fail Criteria

Parameter	Enabled	Low	High	Failure
R² (ugC/K-cts)	Yes	0.2500	0.3800	Continue
	Yes	0.998	1.000	Continue
Offset (area) (cts)	No	-	-	-
Offset (mass) (ugC)	No	-	-	-
QC Blank(cts)	No	-	-	-

Checks, QC's and Actions

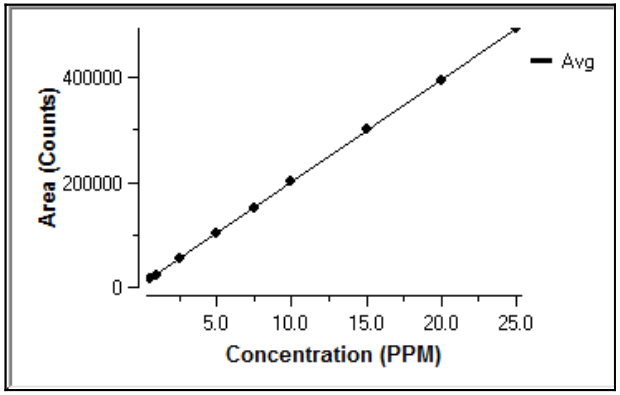
Type	Target (PPM)	Tolerance (+/- %)	1st Failure	2nd Failure
CK Std	n/a	10.00	Re-run	Continue
QC #1	10.000	10.00	Re-run	Continue
QC #2	0.000	100.00	Re-run	Continue
QC #3	0.000	100.00	Re-run	Continue
QC #4	0.000	100.00	Re-run	Continue
SST	0.000	100.00	Abort	Continue

Calibration Details

Calibration Mode:	TOC
Date Calibrated:	01/14/2021
Time Calibrated:	7:29 pm
Calibrated By:	toc
RF (ugC/k-cts):	0.2556
R2:	0.9998
R:	0.9999
QC Blank(cts):	0
Offset (cts):	5172
Offset (ugC):	-1.322
Reagent Blank (cts):	3,898
Units of Measure:	PPM->mg/L C

Calibration Settings

Stock Conc. For Dilutions: (PPM)	1,000.000
# of Reagent Blanks:	3
EFC Enabled:	No
Total Flowrate w/EFC:	50 ml/min
Check Standards:	Subtract RW
Samples:	Substract RB
Regression type:	Unweighted Linear



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

Conventional Chemistry Parameters

Total Organic Carbon- Soil (SM 5310 B)
Benchsheet Data (Including Calibration)

Sequence 1E18047 (QC Only)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1E18047 Instrument: TOC5

Date: **05/18/21 10:27** Calibration: **A1A1403**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1E18047-CCV1	Water	QC	QC				A20I396
2	1E18047-CCB1	Water	QC	QC				
3	1050548-BS3	Water	QC	QC		1050548		
4	A1E0272-01RE1	Water	Total Organic Carbon - H2O (5310C)		05/19/21	1050548		
5	A1E0305-01RE1	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
6	A1E0305-02RE1	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
7	A1E0305-03RE1	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
8	A1E0305-04RE1	Water	Total Organic Carbon - H2O (5310C)		05/20/21	1050548		
9	A1E0394-01RE1	Water	Total Organic Carbon - H2O (5310C)		05/24/21	1050548		
10	A1E0452-01RE1	Water	Total Organic Carbon - H2O (5310C)		05/25/21	1050548		
11	1E18047-CCV2	Water	QC	QC				A20I396
12	1E18047-CCB2	Water	QC	QC				
13	1050553-BLK2	Water	QC	QC		1050553		
14	1050553-BS2	Water	QC	QC		1050553		
15	A1E0385-01RE1	Water	Dissolved Organic Carbon (5310C)		05/20/21	1050553		
16	1050553-DUP2	Water	QC	QC		1050553		
17	1050553-MS2	Water	QC	QC		1050553		
18	A1E0385-02RE1	Water	Dissolved Organic Carbon (5310C)		05/20/21	1050553		
19	1E18047-CCV3	Water	QC	QC				A20I396
20	1E18047-CCB3	Water	QC	QC				

Reagent	Description:	Expires:
A21D193	5% H3PO4 OI TOC	10/10/2021
A21E076	Sodium Persulfate Reagent OI TOC	5/27/2021

Standard	Description:	Expires:
A20I396	TOC CCV @ 10 mg/L	8/31/2022

Data Entered By/Date: JKP 5/19/21

Data Reviewed By/Date: das 05/19/2021

Comments: Corrected ID of A1E0385-02 to A1E0385-02RE1. Corrected export file but could not correct raw data due to software limitations. das 05/20/2021

Sample Results Summary

Spl #	Vial #	Sample ID	Num Rep	Act Rep	Method	Type	Dil	Cust ID	Mode	Avg. Area (cts)	Avg. Mass (ug)	Avg. Conc (PPM)	Std. Dev	% RSD	Notes
1	1	RINSE	3	4	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	4,993	0.280	0.056	169	3.39	Pass
2	2	1E18047-CCV1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	198,238	50.675	10.135	1,748	0.88	
3	3	1E18047-CCB1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	4,154	1.062	0.212	291	6.99	
4	4	1050548-BS3	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	12,547	2.211	0.442	1,038	8.28	Pass
5	5	A1E0272-01RE1@2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	234,028	58.827	11.766	3,945	1.69	Pass
6	6	A1E0305-01RE1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	87,113	21.272	4.255	860	0.99	Pass
7	7	A1E0305-02RE1@2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	302,324	76.286	15.257	4,633	1.53	Pass
8	8	A1E0305-03RE1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	81,959	19.954	3.991	527	0.64	Pass
9	9	A1E0305-04RE1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	100,550	24.707	4.941	1,244	1.24	Pass
10	10	A1E0394-01RE1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	415,127	105.121	21.024	2,799	0.67	Pass
11	11	A1E0452-01RE1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	25,316	5.475	1.095	964	3.81	Pass
12	12	1E18047-CCV2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	199,550	51.010	10.202	2,417	1.21	
13	13	1E18047-CCB2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	4,687	1.198	0.240	408	8.70	
14	14	1050553-BLK2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	25,702	5.574	1.115	699	2.72	Pass
15	15	1050553-BS2	3	4	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	5,245	0.344	0.069	360	6.87	Pass
16	16	A1E0385-01RE1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	252,212	63.476	12.695	3,403	1.35	Pass
17	17	1050553-DUP2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	257,330	64.784	12.957	864	0.34	Pass
18	18	1050553-MS2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	446,797	114.213	22.843	3,919	0.88	
19	19	A1E0385-02RE1 *	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	44,495	11.374	2.275	1,542	3.47	
20	20	1E18047-CCV3	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	200,666	51.296	10.259	1,205	0.60	
21	21	1E18047-CCB3	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	4,747	1.213	0.243	353	7.44	

* das 05/20/2021

Method Summary

Method Details

Method Name:	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM
Date Created:	09/12/2017
Time Created:	12:22
Created By:	toc

Analysis Mode: NPOC Only

Sparging Mode:	Internal
Pre-Acid Volume (mL):	1.000
Sparge Time (mm:ss):	02:00

Volumes

Sample Volume (mL):	5.000
Acid Volume (mL):	1.000
Persulfate Volume(mL):	2.000

Other

SysPressure:	21.00

Pre-Processing

Sample Dilution:	Disabled
Dilution Mode:	Automatic
Dilution Factor:	1 : 1

Times

	React	Detect
TIC	01:30	03:00
TOC	02:30	03:30

Temp

	React	Detect
TIC	70	70
TOC	98	98

Outlier Removal Criteria

Enabled:	No
Additional Replicates:	0
Max. % RSD.	3.00

Rinses

Rinse Volume (mL):	15.000
Rinses Per Sample:	1
Rinses Per Replicate:	0

Max. Std. Dev. 100 Use Modified Oxidant: No

Calibration Summary

Calibration Generation

Generation Mode:	Manual
# of Stds:	5
Dilution Factor:	10 : 1
Dilution Volume (mL):	1.000
Add Zero as Std #1:	No

Calibration Mode

Primary Mode:	TOC
User for ALL Modes:	Enabled

Calibration Pass/Fail Criteria

Parameter	Enabled	Low	High	Failure
R² (ugC/K-cts)	Yes	0.2500	0.3800	Continue
	Yes	0.998	1.000	Continue
Offset (area) (cts)	No	-	-	-
Offset (mass) (ugC)	No	-	-	-
QC Blank(cts)	No	-	-	-

Checks, QC's and Actions

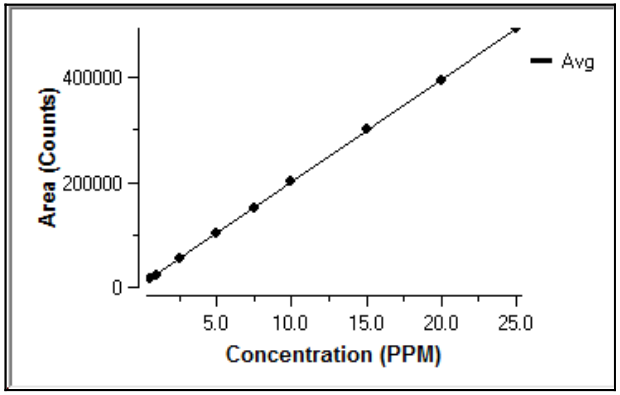
Type	Target (PPM)	Tolerance (+/- %)	1st Failure	2nd Failure
CK Std	n/a	10.00	Re-run	Continue
QC #1	10.000	10.00	Re-run	Continue
QC #2	0.000	100.00	Re-run	Continue
QC #3	0.000	100.00	Re-run	Continue
QC #4	0.000	100.00	Re-run	Continue
SST	0.000	100.00	Abort	Continue

Calibration Details

Calibration Mode:	TOC
Date Calibrated:	01/14/2021
Time Calibrated:	7:29 pm
Calibrated By:	toc
RF (ugC/k-cts):	0.2556
R2:	0.9998
R:	0.9999
QC Blank(cts):	0
Offset (cts):	5172
Offset (ugC):	-1.322
Reagent Blank (cts):	3,898
Units of Measure:	PPM->mg/L C

Calibration Settings

Stock Conc. For Dilutions: (PPM)	1,000.000
# of Reagent Blanks:	3
EFC Enabled:	No
Total Flowrate w/EFC:	50 ml/min
Check Standards:	Subtract RW
Samples:	Substract RB
Regression type:	Unweighted Linear



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

Conventional Chemistry Parameters

Total Organic Carbon- Soil (SM 5310 B)
Calibration Data

Sequence 1A14047 (Cal ID A1A1403) TOC5

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

JAN 19 2021

Sequence: 1A14047 ~ Instrument: TOC5

Date: 01/14/21 10:39 Calibration: A1A1403 ~

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A14047-IBL1	Water	QC	QC				
2	1A14047-IBL2	Water	QC	QC				
3	1A14047-IBL3	Water	QC	QC				
4	1A14047-CAL1	Water	QC	QC				A21A165 ~
5	1A14047-CAL2	Water	QC	QC				A21A166 ~
6	1A14047-CAL3	Water	QC	QC				A21A168 ~
7	1A14047-CAL4	Water	QC	QC				A21A169 ~
8	1A14047-CAL5	Water	QC	QC				A21A170 ~
9	1A14047-CAL6	Water	QC	QC				A21A171 ~
10	1A14047-CAL7	Water	QC	QC				A21A172 ~
11	1A14047-CAL8	Water	QC	QC				A21A173 ~
12	1A14047-CAL9	Water	QC	QC				A21A174 ~
13	1A14047-CALA	Water	QC	QC				A21A175 ~
14	1A14047-IBL4	Water	QC	QC				
15	1A14047-ICV1	Water	QC	QC				A21A176 ~
16	1A14047-ICB1	Water	QC	QC				

Comments:

Data Entered By/Date: NMK 01/15/21

Data Reviewed By/Date: CMM 1/15/2021

Sample ID	Area(cts)	Conc (PPM as mg/L C)	REQUANT	%Recovery
TOC-RW	5460	0		
TOC-Std#1-0.200 PPM	9255	0.2	0.47	237
TOC-Std#2-0.500 PPM	14799	0.5	0.76	151
TOC-Std#3-1.000 PPM	23482	1	1.20	120
TOC-Std#4-2.500 PPM	53815	2.5	2.75	110
TOC-Std#5-5.000 PPM	103454	5	5.29	106
TOC-Std#6-7.500 PPM	152082	7.5	7.78	104
TOC-Std#7-10.000 PPM	200693	10	10.26	103
TOC-Std#8-15.000 PPM	300767	15	15.38	103
TOC-Std#9-20.000 PPM	395144	20	20.20	101
TOC-Std#10-25.000 PPM	493773	25	25.24	101

ok ±30% @ MRL
am 11/5/2021

CALIBRATION SEQUENCE: 1A14047

Sample Results Summary

Spl #	Vial #	Sample ID	Num Rep	Act Rep	Method	Type	Dil	Cust ID	Mode	Avg. Area (cts)	Avg. Mass (ug)	Avg. Conc (PPM)	Std. Dev	% RSD	Notes
1	1	1A14047-IBL1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	7,141	1.521	0.304	621	8.69	Pass
2	2	1A14047-IBL2	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	6,063	1.216	0.243	553	9.12	Pass
3	3	1A14047-IBL3	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	5,431	1.037	0.207	401	7.39	Pass
5	4	TOC-RW	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	5,460	0.000	0.000	342	6.26	
6	5	TOC-Std#1-0.200 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	9,255	1.000	0.200	281	3.04	
7	6	TOC-Std#2-0.500 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	14,799	2.500	0.500	624	4.22	
8	7	TOC-Std#3-1.000 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	23,482	5.000	1.000	100	0.43	
9	8	TOC-Std#4-2.500 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	53,815	12.500	2.500	339	0.63	
10	9	TOC-Std#5-5.000 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	103,454	25.000	5.000	460	0.44	
11	10	TOC-Std#6-7.500 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	152,082	37.500	7.500	3,219	2.12	
12	11	TOC-Std#7-10.000 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	200,693	50.000	10.000	993	0.49	
13	12	TOC-Std#8-15.000 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	300,767	75.000	15.000	434	0.14	
14	13	TOC-Std#9-20.000 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	395,144	100.000	20.000	3,837	0.97	
15	14	TOC-Std#10-25.000 PPM	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Std	1 : 1	00000000	TOC	493,773	125.000	25.000	6,454	1.31	
16	15	1A14047-IBL4	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	Sample	1 : 1	00000000	TOC	8,193	1.098	0.219	196	2.39	Pass
17	16	1A14047-ICV1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #1	1 : 1	00000000	TOC	199,112	50.898	10.180	1,756	0.88	
18	17	1A14047-ICB1	3	3	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM	QC #2	1 : 1	00000000	TOC	9,709	2.482	0.496	35	0.36	

Sample Results

Spl #: 1 Sample ID : 1A14047-IBL1 Type : Sample Date: 01/14/2021 Status: Pass
Vial #: 1 Method : NPOC-Sep 12, 2017 - Sep 12, Dilution 1 : 1 Customer ID: 00000000

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	11:57 am	-	-	-	7,852	1.722	0.345
2	01/14/2021	12:06 pm	-	-	-	6,860	1.441	0.288
3	01/14/2021	12:14 pm	-	-	-	6,710	1.399	0.280
		Avg.	-	-	-	7,141	1.521	0.304
		Std.Dev.						
		% RSD.				8.69		

Spl #: 2 Sample ID : 1A14047-IBL2 Type : Sample Date: 01/14/2021 Status: Pass
Vial #: 2 Method : NPOC-Sep 12, 2017 - Sep 12, Dilution 1 : 1 Customer ID: 00000000

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	12:27 pm	-	-	-	6,673	1.388	0.278
2	01/14/2021	12:36 pm	-	-	-	5,922	1.176	0.235
3	01/14/2021	12:45 pm	-	-	-	5,594	1.083	0.217
		Avg.	-	-	-	6,063	1.216	0.243
		Std.Dev.						
		% RSD.				9.12		

Spl #: 3 Sample ID : 1A14047-IBL3 Type : Sample Date: 01/14/2021 Status: Pass
Vial #: 3 Method : NPOC-Sep 12, 2017 - Sep 12, Dilution 1 : 1 Customer ID: 00000000

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	12:58 pm	-	-	-	5,895	1.168	0.234
2	01/14/2021	1:06 pm	-	-	-	5,216	0.976	0.195
3	01/14/2021	1:15 pm	-	-	-	5,184	0.967	0.193
		Avg.	-	-	-	5,431	1.037	0.207
		Std.Dev.						
		% RSD.				7.39		

Spl #:	5	**Sample ID :**	TOC-RW	**Type :**	Std	**Date:**	01/14/2021	**Status:**
Vial #:	4	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	2:04 pm	-	-	-	5,811	0.000	0.000
2	01/14/2021	2:13 pm	-	-	-	5,441	0.000	0.000
3	01/14/2021	2:21 pm	-	-	-	5,128	0.000	0.000
		Avg.	-	-	-	5,460	0.000	0.000
		Std.Dev.						
		% RSD.				6.26		

Comments: Initial Cal.

Spl #:	6	**Sample ID :**	TOC-Std#1-0.200 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**
Vial #:	5	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	2:34 pm	-	-	-	9,541	1.000	0.200
2	01/14/2021	2:44 pm	-	-	-	9,245	1.000	0.200
3	01/14/2021	2:53 pm	-	-	-	8,979	1.000	0.200
		Avg.	-	-	-	9,255	1.000	0.200
		Std.Dev.						
		% RSD.				3.04		

Comments: Initial Cal.

Spl #:	7	**Sample ID :**	TOC-Std#2-0.500 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**
Vial #:	6	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	3:06 pm	-	-	-	15,518	2.500	0.500
2	01/14/2021	3:15 pm	-	-	-	14,490	2.500	0.500
3	01/14/2021	3:24 pm	-	-	-	14,389	2.500	0.500
		Avg.	-	-	-	14,799	2.500	0.500
		Std.Dev.						
		% RSD.				4.22		

Comments: Initial Cal.

Spl #:	8	**Sample ID :**	TOC-Std#3-1.000 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**
Vial #:	7	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	3:37 pm	-	-	-	23,487	5.000	1.000
2	01/14/2021	3:46 pm	-	-	-	23,579	5.000	1.000
3	01/14/2021	3:55 pm	-	-	-	23,380	5.000	1.000
		Avg.	-	-	-	23,482	5.000	1.000
		Std.Dev.						
		% RSD.				0.43		

Comments: Initial Cal.

Spl #:	9	**Sample ID :**	TOC-Std#4-2.500 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**
Vial #:	8	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	4:08 pm	-	-	-	54,194	12.500	2.500
2	01/14/2021	4:17 pm	-	-	-	53,541	12.500	2.500
3	01/14/2021	4:26 pm	-	-	-	53,709	12.500	2.500
		Avg.	-	-	-	53,815	12.500	2.500
		Std.Dev.						
		% RSD.				0.63		

Comments: Initial Cal.

Spl #:	10	**Sample ID :**	TOC-Std#5-5.000 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**
Vial #:	9	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	4:39 pm	-	-	-	103,341	25.000	5.000
2	01/14/2021	4:48 pm	-	-	-	103,960	25.000	5.000
3	01/14/2021	4:57 pm	-	-	-	103,060	25.000	5.000
		Avg.	-	-	-	103,454	25.000	5.000
		Std.Dev.						
		% RSD.				0.44		

Comments: Initial Cal.

Spl #: 11 Sample ID : TOC-Std#6-7.500 PPM Type : Std Date: 01/14/2021 Status:
Vial #: 10 Method : NPOC-Sep 12, 2017 - Sep 12, Dilution 1 : 1 Customer ID: 00000000

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	5:10 pm	-	-	-	154,980	37.500	7.500
2	01/14/2021	5:19 pm	-	-	-	152,648	37.500	7.500
3	01/14/2021	5:27 pm	-	-	-	148,618	37.500	7.500
		Avg.	-	-	-	152,082	37.500	7.500
		Std.Dev.						
		% RSD.				2.12		

Comments: Initial Cal.

Spl #: 12 Sample ID : TOC-Std#7-10.000 PPM Type : Std Date: 01/14/2021 Status:
Vial #: 11 Method : NPOC-Sep 12, 2017 - Sep 12, Dilution 1 : 1 Customer ID: 00000000

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	5:40 pm	-	-	-	201,697	50.000	10.000
2	01/14/2021	5:49 pm	-	-	-	199,711	50.000	10.000
3	01/14/2021	5:58 pm	-	-	-	200,670	50.000	10.000
		Avg.	-	-	-	200,693	50.000	10.000
		Std.Dev.						
		% RSD.				0.49		

Comments: Initial Cal.

Spl #: 13 Sample ID : TOC-Std#8-15.000 PPM Type : Std Date: 01/14/2021 Status:
Vial #: 12 Method : NPOC-Sep 12, 2017 - Sep 12, Dilution 1 : 1 Customer ID: 00000000

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	6:11 pm	-	-	-	301,260	75.000	15.000
2	01/14/2021	6:20 pm	-	-	-	300,444	75.000	15.000
3	01/14/2021	6:28 pm	-	-	-	300,596	75.000	15.000
		Avg.	-	-	-	300,767	75.000	15.000
		Std.Dev.						
		% RSD.				0.14		

Comments: Initial Cal.

Spl #:	14	**Sample ID :**	TOC-Std#9-20.000 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**	
Vial #:	13	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000		

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	6:41 pm	-	-	-	390,944	100.000	20.000
2	01/14/2021	6:50 pm	-	-	-	398,466	100.000	20.000
3	01/14/2021	6:59 pm	-	-	-	396,024	100.000	20.000
		Avg.	-	-	-	395,144	100.000	20.000
		Std.Dev.						
		% RSD.				0.97		

Comments: Initial Cal.

Spl #:	15	**Sample ID :**	TOC-Std#10-25.000 PPM	**Type :**	Std	**Date:**	01/14/2021	**Status:**	
Vial #:	14	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000		

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	7:12 pm	-	-	-	500,888	125.000	25.000
2	01/14/2021	7:20 pm	-	-	-	492,134	125.000	25.000
3	01/14/2021	7:29 pm	-	-	-	488,296	125.000	25.000
		Avg.	-	-	-	493,773	125.000	25.000
		Std.Dev.						
		% RSD.				1.31		

Comments: Initial Cal.

Spl #:	16	**Sample ID :**	1A14047-IBL4	**Type :**	Sample	**Date:**	01/14/2021	**Status:**	Pass
Vial #:	15	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000		

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	7:42 pm	-	-	-	8,286	1.122	0.224
2	01/14/2021	7:50 pm	-	-	-	7,968	1.040	0.208
3	01/14/2021	7:59 pm	-	-	-	8,326	1.132	0.226
		Avg.	-	-	-	8,193	1.098	0.219
		Std.Dev.						
		% RSD.				2.39		

Comments: blank after cal

Spl #:	17	**Sample ID :**	1A14047-ICV1	**Type :**	QC #1	**Date:**	01/14/2021	**Status:**
Vial #:	16	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	8:12 pm	-	-	-	199,850	51.087	10.217
2	01/14/2021	8:21 pm	-	-	-	197,107	50.386	10.077
3	01/14/2021	8:29 pm	-	-	-	200,379	51.222	10.245
		Avg.	-	-	-	199,112	50.898	10.180 ✓
		Std.Dev.						
		% RSD.				0.88		

Spl #:	18	**Sample ID :**	1A14047-ICB1	**Type :**	QC #2	**Date:**	01/14/2021	**Status:**
Vial #:	17	**Method :**	NPOC-Sep 12, 2017 - Sep 12,	**Dilution**	1 : 1	**Customer ID:**	00000000	

Rep #	Date	Time	TIC Area (cts)	TIC Mass (ugC)	TIC Conc (PPM)	TOC Area (cts)	TOC Mass (ugC)	TOC Conc (PPM)
1	01/14/2021	8:42 pm	-	-	-	9,673	2.473	0.495
2	01/14/2021	8:51 pm	-	-	-	9,709	2.482	0.496
3	01/14/2021	9:00 pm	-	-	-	9,744	2.491	0.498
		Avg.	-	-	-	9,709	2.482	0.496 ✓
		Std.Dev.						
		% RSD.				0.36		

Method Summary

Method Details

Method Name:	NPOC-Sep 12, 2017 - Sep 12, 2017; 11-22-58 AM
Date Created:	09/12/2017
Time Created:	12:22
Created By:	toc
Analysis Mode:	NPOC Only
Sparging Mode:	Internal
Pre-Acid Volume (mL):	1.000
Sparge Time (mm:ss):	02:00

Volumes

Sample Volume (mL):	5.000
Acid Volume (mL):	1.000
Persulfate Volume(mL):	2.000

Other

SysPressure:	21.00

Pre-Processing

Sample Dilution:	Disabled
Dilution Mode:	Automatic
Dilution Factor:	1 : 1

Times

	React	Detect
TIC	01:30	03:00
TOC	02:30	03:30

Temp

	React	Detect
TIC	70	70
TOC	98	98

Outlier Removal Criteria

Enabled:	No
Additional Replicates:	0
Max. % RSD.	3.00

Rinses

Rinse Volume (mL):	15.000
Rinses Per Sample:	1
Rinses Per Replicate:	0

Max. Std. Dev. 100 Use Modified Oxidant: No

Calibration Summary

Calibration Generation

Generation Mode:	Manual
# of Stds:	5
Dilution Factor:	10 : 1
Dilution Volume (mL):	1.000
Add Zero as Std #1:	No

Calibration Mode

Primary Mode:	TOC
User for ALL Modes:	Enabled

Calibration Pass/Fail Criteria

Parameter	Enabled	Low	High	Failure
R² (ugC/K-cts)	Yes	0.2500	0.3800	Continue
	Yes	0.998	1.000	Continue
Offset (area) (cts)	No	-	-	-
Offset (mass) (ugC)	No	-	-	-
QC Blank(cts)	No	-	-	-

Checks, QC's and Actions

Type	Target (PPM)	Tolerance (+/- %)	1st Failure	2nd Failure
CK Std	n/a	10.00	Re-run	Continue
QC #1	10.000	10.00	Re-run	Continue
QC #2	0.000	100.00	Re-run	Continue
QC #3	0.000	100.00	Re-run	Continue
QC #4	0.000	100.00	Re-run	Continue
SST	0.000	100.00	Abort	Continue

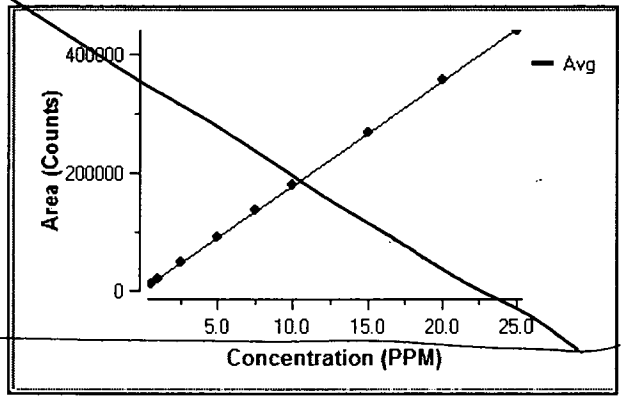
Calibration Details

Calibration Mode:	TOC
Date Calibrated:	09/23/2020
Time Calibrated:	10:18 pm
Calibrated By:	toc
RF (ugC/k-cts):	0.2832
R2:	0.9997
R:	0.9998
QC Blank(cts):	0
Offset (cts):	3229
Offset (ugC):	-0.915
Reagent Blank (cts):	1,770
Units of Measure:	PPM->mg/L C

Calibration Settings

Stock Conc. For Dilutions: (PPM)	1,000.000
# of Reagent Blanks:	3
EFC Enabled:	No
Total Flowrate w/EFC:	50 ml/min
Check Standards:	Subtract RW
Samples:	Substract RB
Regression type:	Unweighted Linear

old curve. Not used. cmm 1/15/2021

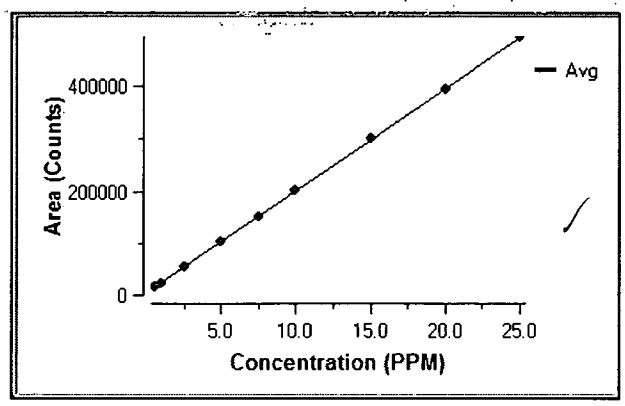


Calibration Details

Calibration Mode:	TOC
Date Calibrated:	01/14/2021
Time Calibrated:	7:29 pm
Calibrated By:	toc
RF (ugC/k-cts):	0.2556
R2:	0.9998
R:	0.9999
QC Blank(cts):	0
Offset (cts):	5172
Offset (ugC):	-1.322
Reagent Blank (cts):	3,898
Units of Measure:	PPM->mg/L C

Calibration Settings

Stock Conc. For Dilutions: (PPM)	1,000.000
# of Reagent Blanks:	3
EFC Enabled:	No
Total Flowrate w/EFC:	50 ml/min
Check Standards:	Subtract RW
Samples:	Substract RB
Regression type:	Unweighted Linear


Avg
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200000
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Area (Counts)
5.0
10.0
15.0
20.0
25.0
Concentration (PPM)