



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

**Level IV Data Package for
Anchor QEA, LLC
Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores
Apex Laboratories Work Order #:
A0D0763**

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

Table of Contents
A0D0776
(page 1 of 3)

Analytical Case Narrative
Analytical Report
Sample Receipt Documentation
(Work orders, Chain of Custody & Cooler Receipt Forms)
CLP-Like Forms
Raw Data

Selected Volatile Organic Compounds by EPA 5035A/8260C
Benchsheet & Analysis Sequence Data

Batch 0050060
Sequence 0E02003 (A0D0776-04)

Batch 0050086
Sequence 0E04039 (A0D0776-05,06,07,08,09)

Calibration Data

Sequence 0D15055 (Cal ID A0D1705) VOA-GCMS6
Sequence 0E01047 (Cal ID A0E0201) VOA-GCMS1

Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Batch 0051047
Sequence 0F04025 (A0D0776-01,02,03)
Sequence 0F02062 (QC Only)

Batch 0060009
Sequence 0F03030 (A0D0776-06)

Batch 0060229
Sequence 0F05046 (A0D0776-05RE2,07RE1)

Calibration Data

Sequence 0C26028 (Cal ID A0C2703) DUALECD6R
Sequence 0F02027 (Cal ID A0F0206) DUALECD2F

Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 0050980
Batch 0060013
Sequence 0F01066 (A0D0776-01RE1,02RE1,03RE1)

Table of Contents
A0D0776
(page 2 of 3)

Sequence 0F07020 (A0D0776-05RE1,06RE1,07RE1)
Sequence 0F02064 (QC Only)

Calibration Data

Sequence 0D10031 (Cal ID A0D1308) DualECD3
Sequence 0F06006 (Cal ID A0F0805) DualECD3

Semivolatile Organic Compounds (PAHs) by EPA 8270D

Benchsheet & Analysis Sequence Data

Batch 0050799
Sequence 0E21037 (A0D0776-01)
Sequence 0E21063 (A0D0776-02,05,08,09)
Sequence 0E22048 (A0D0776-03,06RE1)

Calibration Data

Sequence 0D07056 (Cal ID A0D0804) SV-GCMS14

Total Metals by EPA 6020A (ICPMS)

Benchsheet Data and Analysis (Including Calibration)

Batch 0050734
Sequence 0E20039

Metals IFA/IFB Metals Internal Standards Recovery Summary

A20E205 IFA
A20E206 IFB
A0D0776 (I.S Tables)

Conventional Chemistry Parameters

Benchsheet & Analysis Sequence Data

Total Organic Carbon- Soil (5310 B)

Batch 0050727
Sequence 0E21067 (A0D0776-01,02,03,05,06,07,08,09)

Calibration Data

Sequence 0A08052 (Cal ID A0A0805) TOC6

Table of Contents
A0D0776
(page 3 of 3)

Total Solids by SM2540G
Benchsheet Data

Batch 0050536 (A0D0776-01,02,03,05,06,07,08,09)

Balance Checksheets

Extractions May 2020

Extractions June 2020

Metals May 2020

Sample Receiving May 2020

Wet Chem May 2020

Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC

Date: 06/24/2020

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Apex Work Order Number: A0D0763

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

Analytical Report



Wednesday, May 27, 2020

Ryan Barth
Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

RE: A0D0763 - Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores - [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 A0D0763, which was received by the laboratory on 4/29/2020 at 3:15:00PM.

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	5.0 degC	Cooler #2	3.3 degC
Cooler #3	5.8 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.



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.



Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-061SC-A-03-04-200428	A0D0763-01	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-A-04-05-200428	A0D0763-02	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-A-05-06-200428	A0D0763-03	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-A-06-07-200428	A0D0763-04	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-A-07-08-200428	A0D0763-05	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-A-08-09-200428	A0D0763-06	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-A-09-9.9-200428	A0D0763-07	SE	04/28/20 13:57	04/29/20 15:15
PDI-061SC-B-00-02-200428	A0D0763-08	SE	04/28/20 13:40	04/29/20 15:15
PDI-061SC-B-02-04-200428	A0D0763-09	SE	04/28/20 13:40	04/29/20 15:15
PDI-061SC-B-04-06-200428	A0D0763-10	SE	04/28/20 13:40	04/29/20 15:15
PDI-061SC-B-06-08-200428	A0D0763-11	SE	04/28/20 13:40	04/29/20 15:15
PDI-061SC-B-08-9.9-200428	A0D0763-12	SE	04/28/20 13:40	04/29/20 15:15

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-00-02-200428 (A0D0763-08)				Matrix: SE		Batch: 0050065		
Benzene	17.0	8.78	17.6	ug/kg dry	50	05/03/20 18:07	5035A/8260C	J
Toluene	ND	43.9	87.8	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
Ethylbenzene	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
m,p-Xylene	ND	43.9	87.8	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
o-Xylene	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
Chlorobenzene	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
1,1-Dichloroethene	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
cis-1,2-Dichloroethene	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
Tetrachloroethene (PCE)	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
Trichloroethene (TCE)	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
Vinyl chloride	ND	22.0	43.9	ug/kg dry	50	05/03/20 18:07	5035A/8260C	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>05/03/20 18:07</i>	<i>5035A/8260C</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>05/03/20 18:07</i>	<i>5035A/8260C</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>100 %</i>		<i>79-120 %</i>	<i>1</i>	<i>05/03/20 18:07</i>	<i>5035A/8260C</i>	
PDI-061SC-B-02-04-200428 (A0D0763-09)				Matrix: SE		Batch: 0050065		
Benzene	ND	8.58	17.2	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
Toluene	ND	42.9	85.8	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
Ethylbenzene	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
m,p-Xylene	ND	42.9	85.8	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
o-Xylene	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
Chlorobenzene	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
1,1-Dichloroethene	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
cis-1,2-Dichloroethene	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
Tetrachloroethene (PCE)	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
Trichloroethene (TCE)	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
Vinyl chloride	ND	21.5	42.9	ug/kg dry	50	05/03/20 18:34	5035A/8260C	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>05/03/20 18:34</i>	<i>5035A/8260C</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>05/03/20 18:34</i>	<i>5035A/8260C</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>05/03/20 18:34</i>	<i>5035A/8260C</i>	
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE		Batch: 0050065		
Benzene	ND	8.58	17.2	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
Toluene	ND	42.9	85.8	ug/kg dry	50	05/03/20 19:01	5035A/8260C	

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE		Batch: 0050065		
Ethylbenzene	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
m,p-Xylene	ND	42.9	85.8	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
o-Xylene	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
Chlorobenzene	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
1,1-Dichloroethene	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
cis-1,2-Dichloroethene	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
Tetrachloroethene (PCE)	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
Trichloroethene (TCE)	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
Vinyl chloride	ND	21.5	42.9	ug/kg dry	50	05/03/20 19:01	5035A/8260C	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>05/03/20 19:01</i>	<i>5035A/8260C</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>05/03/20 19:01</i>	<i>5035A/8260C</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>05/03/20 19:01</i>	<i>5035A/8260C</i>	
PDI-061SC-B-06-08-200428 (A0D0763-11)				Matrix: SE		Batch: 0050065		
Benzene	10.9	10.6	21.2	ug/kg dry	50	05/03/20 19:29	5035A/8260C	J
Toluene	ND	52.9	106	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
Ethylbenzene	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
m,p-Xylene	ND	52.9	106	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
o-Xylene	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
Chlorobenzene	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
1,1-Dichloroethene	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
cis-1,2-Dichloroethene	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
Tetrachloroethene (PCE)	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
Trichloroethene (TCE)	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
Vinyl chloride	ND	26.5	52.9	ug/kg dry	50	05/03/20 19:29	5035A/8260C	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>05/03/20 19:29</i>	<i>5035A/8260C</i>	
<i>Toluene-d8 (Surr)</i>		<i>98 %</i>		<i>80-120 %</i>	<i>1</i>	<i>05/03/20 19:29</i>	<i>5035A/8260C</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>05/03/20 19:29</i>	<i>5035A/8260C</i>	
PDI-061SC-B-08-9.9-200428 (A0D0763-12)				Matrix: SE		Batch: 0050065		
Benzene	ND	8.15	16.3	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
Toluene	ND	40.7	81.5	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
Ethylbenzene	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
m,p-Xylene	ND	40.7	81.5	ug/kg dry	50	05/03/20 19:56	5035A/8260C	

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



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260C

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-08-9.9-200428 (A0D0763-12)				Matrix: SE		Batch: 0050065		
o-Xylene	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
Chlorobenzene	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
1,1-Dichloroethene	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
cis-1,2-Dichloroethene	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
Tetrachloroethene (PCE)	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
Trichloroethene (TCE)	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
Vinyl chloride	ND	20.4	40.7	ug/kg dry	50	05/03/20 19:56	5035A/8260C	
<i>Surrogate: 1,4-Difluorobenzene (Surr)</i>		<i>Recovery: 98 %</i>		<i>Limits: 80-120 %</i>	<i>1</i>	<i>05/03/20 19:56</i>	<i>5035A/8260C</i>	
<i>Toluene-d8 (Surr)</i>		<i>99 %</i>		<i>80-120 %</i>	<i>1</i>	<i>05/03/20 19:56</i>	<i>5035A/8260C</i>	
<i>4-Bromofluorobenzene (Surr)</i>		<i>99 %</i>		<i>79-120 %</i>	<i>1</i>	<i>05/03/20 19:56</i>	<i>5035A/8260C</i>	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-03-04-200428 (A0D0763-01RE1)			Matrix: SE		Batch: 0050414		C-07	
Aroclor 1016	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1221	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1232	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1242	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1248	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1254	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1260	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1262	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
Aroclor 1268	ND	1.02	2.03	ug/kg dry	1	05/18/20 14:55	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 14:55</i>	<i>EPA 8082A</i>
PDI-061SC-A-04-05-200428 (A0D0763-02RE1)			Matrix: SE		Batch: 0050414		C-07	
Aroclor 1016	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1221	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1232	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1242	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1248	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1254	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1260	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1262	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
Aroclor 1268	ND	1.01	2.01	ug/kg dry	1	05/18/20 15:30	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 15:30</i>	<i>EPA 8082A</i>
PDI-061SC-A-05-06-200428 (A0D0763-03RE1)			Matrix: SE		Batch: 0050414		C-07	
Aroclor 1016	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1221	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1232	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1242	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1248	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1254	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1260	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1262	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	
Aroclor 1268	ND	0.963	1.91	ug/kg dry	1	05/18/20 16:06	EPA 8082A	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-05-06-200428 (A0D0763-03RE1)				Matrix: SE		Batch: 0050414		C-07
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 70 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 16:06</i>	<i>EPA 8082A</i>
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1016	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1221	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1232	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1242	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1248	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1254	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1260	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1262	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
Aroclor 1268	ND	0.929	1.84	ug/kg dry	1	05/18/20 17:17	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 17:17</i>	<i>EPA 8082A</i>
PDI-061SC-A-07-08-200428 (A0D0763-05RE1)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1016	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1221	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1232	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1242	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1248	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1254	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1260	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1262	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
Aroclor 1268	ND	0.909	1.80	ug/kg dry	1	05/18/20 17:52	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 74 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 17:52</i>	<i>EPA 8082A</i>
PDI-061SC-A-08-09-200428 (A0D0763-06)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1016	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1221	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1232	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1242	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1248	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1254	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1260	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-08-09-200428 (A0D0763-06)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1262	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
Aroclor 1268	ND	0.976	1.94	ug/kg dry	1	05/14/20 10:01	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 52 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/14/20 10:01</i>	<i>EPA 8082A</i>
PDI-061SC-A-09-9.9-200428 (A0D0763-07)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1016	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1221	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1232	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1242	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1248	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1254	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1260	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1262	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
Aroclor 1268	ND	0.906	1.80	ug/kg dry	1	05/18/20 18:28	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 18:28</i>	<i>EPA 8082A</i>
PDI-061SC-B-00-02-200428 (A0D0763-08)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1016	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
Aroclor 1221	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
Aroclor 1232	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
Aroclor 1242	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
Aroclor 1248	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
Aroclor 1254	3.36	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	P-10
Aroclor 1260	1.23	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	J
Aroclor 1262	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
Aroclor 1268	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:03	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 69 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 19:03</i>	<i>EPA 8082A</i>
PDI-061SC-B-02-04-200428 (A0D0763-09)				Matrix: SE		Batch: 0050414		C-07
Aroclor 1016	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1221	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1232	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1242	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-02-04-200428 (A0D0763-09)			Matrix: SE		Batch: 0050414		C-07	
Aroclor 1248	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1254	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1260	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1262	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
Aroclor 1268	ND	1.01	2.01	ug/kg dry	1	05/18/20 19:38	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/18/20 19:38</i>	<i>EPA 8082A</i>
PDI-061SC-B-04-06-200428 (A0D0763-10)			Matrix: SE		Batch: 0050441		C-07	
Aroclor 1016	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1221	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1232	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1242	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1248	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1254	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1260	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1262	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
Aroclor 1268	ND	0.959	1.90	ug/kg dry	1	05/13/20 10:21	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 42 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/13/20 10:21</i>	<i>EPA 8082A A-01</i>
PDI-061SC-B-06-08-200428 (A0D0763-11RE1)			Matrix: SE		Batch: 0050714		C-07	
Aroclor 1016	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1221	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1232	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1242	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1248	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1254	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1260	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1262	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
Aroclor 1268	ND	0.951	1.89	ug/kg dry	1	05/20/20 16:29	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 60 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>05/20/20 16:29</i>	<i>EPA 8082A</i>

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-03-04-200428 (A0D0763-01RE1)			Matrix: SE		Batch: 0050393		C-05	
2,4'-DDD	ND	1.49	2.99	ug/kg dry	1	05/12/20 15:43	EPA 8081B	
2,4'-DDE	ND	1.49	2.99	ug/kg dry	1	05/12/20 15:43	EPA 8081B	
2,4'-DDT	ND	1.49	2.99	ug/kg dry	1	05/12/20 15:43	EPA 8081B	
4,4'-DDD	ND	1.49	2.99	ug/kg dry	1	05/12/20 15:43	EPA 8081B	
4,4'-DDE	ND	1.49	2.99	ug/kg dry	1	05/12/20 15:43	EPA 8081B	
4,4'-DDT	ND	1.49	2.99	ug/kg dry	1	05/12/20 15:43	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 47 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/12/20 15:43</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>80 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/12/20 15:43</i>	<i>EPA 8081B</i>
PDI-061SC-A-04-05-200428 (A0D0763-02RE1)			Matrix: SE		Batch: 0050393		C-05	
2,4'-DDD	ND	1.44	2.89	ug/kg dry	1	05/12/20 16:00	EPA 8081B	
2,4'-DDE	ND	1.44	2.89	ug/kg dry	1	05/12/20 16:00	EPA 8081B	
2,4'-DDT	ND	1.44	2.89	ug/kg dry	1	05/12/20 16:00	EPA 8081B	
4,4'-DDD	ND	1.44	2.89	ug/kg dry	1	05/12/20 16:00	EPA 8081B	
4,4'-DDE	ND	1.44	2.89	ug/kg dry	1	05/12/20 16:00	EPA 8081B	
4,4'-DDT	ND	1.44	2.89	ug/kg dry	1	05/12/20 16:00	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 62 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/12/20 16:00</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>83 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/12/20 16:00</i>	<i>EPA 8081B</i>
PDI-061SC-A-05-06-200428 (A0D0763-03RE1)			Matrix: SE		Batch: 0050393		C-05	
2,4'-DDD	ND	1.36	2.72	ug/kg dry	1	05/12/20 16:17	EPA 8081B	
2,4'-DDE	ND	1.36	2.72	ug/kg dry	1	05/12/20 16:17	EPA 8081B	
2,4'-DDT	ND	1.36	2.72	ug/kg dry	1	05/12/20 16:17	EPA 8081B	
4,4'-DDD	ND	1.36	2.72	ug/kg dry	1	05/12/20 16:17	EPA 8081B	
4,4'-DDE	ND	1.36	2.72	ug/kg dry	1	05/12/20 16:17	EPA 8081B	
4,4'-DDT	ND	1.36	2.72	ug/kg dry	1	05/12/20 16:17	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/12/20 16:17</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>85 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/12/20 16:17</i>	<i>EPA 8081B</i>
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)			Matrix: SE		Batch: 0050393		C-05	
2,4'-DDD	ND	1.36	2.72	ug/kg dry	1	05/13/20 13:03	EPA 8081B	
2,4'-DDE	ND	1.36	2.72	ug/kg dry	1	05/13/20 13:03	EPA 8081B	
2,4'-DDT	ND	1.36	2.72	ug/kg dry	1	05/13/20 13:03	EPA 8081B	
4,4'-DDD	ND	1.36	2.72	ug/kg dry	1	05/13/20 13:03	EPA 8081B	

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



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**

Project Number: [none]
Project Manager: Ryan Barth

Report ID:
A0D0763 - 05 27 20 1450

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)				Matrix: SE		Batch: 0050393		C-05
4,4'-DDE	ND	1.36	2.72	ug/kg dry	1	05/13/20 13:03	EPA 8081B	
4,4'-DDT	ND	1.36	2.72	ug/kg dry	1	05/13/20 13:03	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 43 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/13/20 13:03</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>94 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/13/20 13:03</i>	<i>EPA 8081B</i>
PDI-061SC-A-07-08-200428 (A0D0763-05RE1)				Matrix: SE		Batch: 0050393		C-05
2,4'-DDD	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:20	EPA 8081B	
2,4'-DDE	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:20	EPA 8081B	
2,4'-DDT	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:20	EPA 8081B	
4,4'-DDD	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:20	EPA 8081B	
4,4'-DDE	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:20	EPA 8081B	
4,4'-DDT	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:20	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/13/20 13:20</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>95 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/13/20 13:20</i>	<i>EPA 8081B</i>
PDI-061SC-A-08-09-200428 (A0D0763-06RE1)				Matrix: SE		Batch: 0050393		C-05
2,4'-DDD	ND	1.42	2.84	ug/kg dry	1	05/13/20 13:37	EPA 8081B	
2,4'-DDE	ND	1.42	2.84	ug/kg dry	1	05/13/20 13:37	EPA 8081B	
2,4'-DDT	ND	1.42	2.84	ug/kg dry	1	05/13/20 13:37	EPA 8081B	
4,4'-DDD	ND	1.42	2.84	ug/kg dry	1	05/13/20 13:37	EPA 8081B	
4,4'-DDE	ND	1.42	2.84	ug/kg dry	1	05/13/20 13:37	EPA 8081B	
4,4'-DDT	ND	1.42	2.84	ug/kg dry	1	05/13/20 13:37	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/13/20 13:37</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>92 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/13/20 13:37</i>	<i>EPA 8081B</i>
PDI-061SC-A-09-9.9-200428 (A0D0763-07RE1)				Matrix: SE		Batch: 0050393		C-05
2,4'-DDD	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:55	EPA 8081B	
2,4'-DDE	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:55	EPA 8081B	
2,4'-DDT	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:55	EPA 8081B	
4,4'-DDD	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:55	EPA 8081B	
4,4'-DDE	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:55	EPA 8081B	
4,4'-DDT	ND	1.30	2.61	ug/kg dry	1	05/13/20 13:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 41 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/13/20 13:55</i>	<i>EPA 8081B S-06</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>101 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/13/20 13:55</i>	<i>EPA 8081B</i>

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



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-00-02-200428 (A0D0763-08RE1)				Matrix: SE		Batch: 0050393		C-05, R-04
2,4'-DDD	ND	2.98	5.96	ug/kg dry	2	05/13/20 15:55	EPA 8081B	
2,4'-DDE	ND	2.98	5.96	ug/kg dry	2	05/13/20 15:55	EPA 8081B	
2,4'-DDT	ND	2.98	5.96	ug/kg dry	2	05/13/20 15:55	EPA 8081B	
4,4'-DDD	ND	5.96	5.96	ug/kg dry	2	05/13/20 15:55	EPA 8081B	
4,4'-DDE	ND	2.98	5.96	ug/kg dry	2	05/13/20 15:55	EPA 8081B	
4,4'-DDT	ND	2.98	5.96	ug/kg dry	2	05/13/20 15:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>	2	05/13/20 15:55	EPA 8081B	
<i>Decachlorobiphenyl (Surr)</i>		<i>115 %</i>		<i>55-130 %</i>	2	05/13/20 15:55	EPA 8081B	

PDI-061SC-B-02-04-200428 (A0D0763-09RE1)				Matrix: SE		Batch: 0050393		C-05
2,4'-DDD	ND	1.49	2.98	ug/kg dry	1	05/13/20 14:12	EPA 8081B	
2,4'-DDE	ND	1.49	2.98	ug/kg dry	1	05/13/20 14:12	EPA 8081B	
2,4'-DDT	ND	1.49	2.98	ug/kg dry	1	05/13/20 14:12	EPA 8081B	
4,4'-DDD	ND	1.49	2.98	ug/kg dry	1	05/13/20 14:12	EPA 8081B	
4,4'-DDE	ND	1.49	2.98	ug/kg dry	1	05/13/20 14:12	EPA 8081B	
4,4'-DDT	ND	1.49	2.98	ug/kg dry	1	05/13/20 14:12	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 55 %</i>		<i>Limits: 42-129 %</i>	1	05/13/20 14:12	EPA 8081B	
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>	1	05/13/20 14:12	EPA 8081B	

PDI-061SC-B-04-06-200428 (A0D0763-10RE1)				Matrix: SE		Batch: 0050393		C-05
2,4'-DDD	ND	1.36	2.73	ug/kg dry	1	05/13/20 14:29	EPA 8081B	
2,4'-DDE	ND	1.36	2.73	ug/kg dry	1	05/13/20 14:29	EPA 8081B	
2,4'-DDT	ND	1.36	2.73	ug/kg dry	1	05/13/20 14:29	EPA 8081B	
4,4'-DDD	ND	1.36	2.73	ug/kg dry	1	05/13/20 14:29	EPA 8081B	
4,4'-DDE	ND	1.36	2.73	ug/kg dry	1	05/13/20 14:29	EPA 8081B	
4,4'-DDT	ND	1.36	2.73	ug/kg dry	1	05/13/20 14:29	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 47 %</i>		<i>Limits: 42-129 %</i>	1	05/13/20 14:29	EPA 8081B	
<i>Decachlorobiphenyl (Surr)</i>		<i>93 %</i>		<i>55-130 %</i>	1	05/13/20 14:29	EPA 8081B	

PDI-061SC-B-06-08-200428 (A0D0763-11RE1)				Matrix: SE		Batch: 0050393		C-05
2,4'-DDD	ND	1.41	2.82	ug/kg dry	1	05/13/20 14:46	EPA 8081B	
2,4'-DDE	ND	1.41	2.82	ug/kg dry	1	05/13/20 14:46	EPA 8081B	
2,4'-DDT	ND	1.41	2.82	ug/kg dry	1	05/13/20 14:46	EPA 8081B	

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
 EPA ID: OR01039

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-06-08-200428 (A0D0763-11RE1)				Matrix: SE		Batch: 0050393		C-05
4,4'-DDD	ND	1.41	2.82	ug/kg dry	1	05/13/20 14:46	EPA 8081B	
4,4'-DDE	ND	1.41	2.82	ug/kg dry	1	05/13/20 14:46	EPA 8081B	
4,4'-DDT	ND	1.41	2.82	ug/kg dry	1	05/13/20 14:46	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/13/20 14:46</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>102 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/13/20 14:46</i>	<i>EPA 8081B</i>

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-03-04-200428 (A0D0763-01RE1)				Matrix: SE		Batch: 0050335		
Acenaphthene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Acenaphthylene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Anthracene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Benz(a)anthracene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Benzo(a)pyrene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Benzo(b)fluoranthene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Benzo(k)fluoranthene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Benzo(g,h,i)perylene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Chrysene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Dibenz(a,h)anthracene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Fluoranthene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Fluorene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
2-Methylnaphthalene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Naphthalene	30.9	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Phenanthrene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
Pyrene	ND	7.41	14.8	ug/kg dry	4	05/11/20 11:14	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>05/11/20 11:14</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>95 %</i>		<i>54-127 %</i>		<i>4</i>	<i>05/11/20 11:14</i>	<i>EPA 8270D</i>

PDI-061SC-A-04-05-200428 (A0D0763-02RE1)				Matrix: SE		Batch: 0050335		
Acenaphthene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Acenaphthylene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Anthracene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Benz(a)anthracene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Benzo(a)pyrene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Benzo(b)fluoranthene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Benzo(k)fluoranthene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Chrysene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Fluoranthene	2.60	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	J
Fluorene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-04-05-200428 (A0D0763-02RE1)				Matrix: SE		Batch: 0050335		
Indeno(1,2,3-cd)pyrene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
2-Methylnaphthalene	ND	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Naphthalene	6.95	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Phenanthrene	4.85	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	
Pyrene	2.91	1.84	3.67	ug/kg dry	1	05/11/20 23:47	EPA 8270D	J
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>05/11/20 23:47</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>84 %</i>		<i>54-127 %</i>		<i>1</i>	<i>05/11/20 23:47</i>	<i>EPA 8270D</i>

PDI-061SC-A-05-06-200428 (A0D0763-03RE1)				Matrix: SE		Batch: 0050335		
Acenaphthene	183	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Acenaphthylene	9.37	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	J
Anthracene	41.9	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Benz(a)anthracene	16.6	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	J
Benzo(a)pyrene	31.8	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Benzo(b)fluoranthene	24.7	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Benzo(k)fluoranthene	ND	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Benzo(g,h,i)perylene	24.2	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Chrysene	21.8	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Dibenz(a,h)anthracene	ND	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Fluoranthene	96.2	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Fluorene	66.9	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Indeno(1,2,3-cd)pyrene	20.8	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
2-Methylnaphthalene	33.7	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Naphthalene	229	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Phenanthrene	276	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
Pyrene	128	8.81	17.6	ug/kg dry	5	05/11/20 21:11	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 44-120 %</i>		<i>5</i>	<i>05/11/20 21:11</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>88 %</i>		<i>54-127 %</i>		<i>5</i>	<i>05/11/20 21:11</i>	<i>EPA 8270D</i>

PDI-061SC-A-06-07-200428 (A0D0763-04RE1)				Matrix: SE		Batch: 0050335		
Acenaphthene	35.4	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Acenaphthylene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Anthracene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)				Matrix: SE		Batch: 0050335		
Benz(a)anthracene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Benzo(a)pyrene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Benzo(b)fluoranthene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Benzo(k)fluoranthene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Benzo(g,h,i)perylene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Chrysene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Dibenz(a,h)anthracene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Fluoranthene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Fluorene	7.90	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	J
Indeno(1,2,3-cd)pyrene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
2-Methylnaphthalene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Naphthalene	60.0	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Phenanthrene	17.0	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
Pyrene	ND	6.56	13.1	ug/kg dry	4	05/11/20 21:43	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>05/11/20 21:43</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>89 %</i>		<i>54-127 %</i>		<i>4</i>	<i>05/11/20 21:43</i>	<i>EPA 8270D</i>

PDI-061SC-A-07-08-200428 (A0D0763-05RE1)				Matrix: SE		Batch: 0050335		
Acenaphthene	38.5	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Acenaphthylene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Anthracene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Benz(a)anthracene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Benzo(a)pyrene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Benzo(b)fluoranthene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Benzo(k)fluoranthene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Benzo(g,h,i)perylene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Chrysene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Dibenz(a,h)anthracene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Fluoranthene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Fluorene	11.4	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	J
Indeno(1,2,3-cd)pyrene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
2-Methylnaphthalene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Naphthalene	8.72	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	J

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-07-08-200428 (A0D0763-05RE1)				Matrix: SE		Batch: 0050335		
Phenanthrene	24.2	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
Pyrene	ND	6.43	12.9	ug/kg dry	4	05/11/20 22:14	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 73 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>05/11/20 22:14</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>86 %</i>		<i>54-127 %</i>		<i>4</i>	<i>05/11/20 22:14</i>	<i>EPA 8270D</i>

PDI-061SC-A-08-09-200428 (A0D0763-06RE1)				Matrix: SE		Batch: 0050335		
Acenaphthene	49.7	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Acenaphthylene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Anthracene	10.3	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	J
Benz(a)anthracene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Benzo(a)pyrene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Benzo(b)fluoranthene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Benzo(k)fluoranthene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Benzo(g,h,i)perylene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Chrysene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Dibenz(a,h)anthracene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Fluoranthene	18.5	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Fluorene	15.6	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
2-Methylnaphthalene	14.4	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Naphthalene	144	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Phenanthrene	52.6	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
Pyrene	21.7	6.93	13.9	ug/kg dry	4	05/11/20 22:45	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 75 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>05/11/20 22:45</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>83 %</i>		<i>54-127 %</i>		<i>4</i>	<i>05/11/20 22:45</i>	<i>EPA 8270D</i>

PDI-061SC-A-09-9.9-200428 (A0D0763-07)				Matrix: SE		Batch: 0050335		
Acenaphthene	7.65	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	
Acenaphthylene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	
Anthracene	3.96	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	
Benz(a)anthracene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	
Benzo(a)pyrene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	
Benzo(b)fluoranthene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	
Benzo(k)fluoranthene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-061SC-A-09-9.9-200428 (A0D0763-07)				Matrix: SE		Batch: 0050335			
Benzo(g,h,i)perylene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
Chrysene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
Dibenz(a,h)anthracene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
Fluoranthene	4.59	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
Fluorene	2.75	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	J	
Indeno(1,2,3-cd)pyrene	ND	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
2-Methylnaphthalene	2.63	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D	J	
Naphthalene	14.1	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
Phenanthrene	25.6	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
Pyrene	4.58	1.64	3.28	ug/kg dry	1	05/10/20 15:44	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>05/10/20 15:44</i>	<i>EPA 8270D</i>	
<i>p-Terphenyl-d14 (Surr)</i>		<i>98 %</i>		<i>54-127 %</i>		<i>1</i>	<i>05/10/20 15:44</i>	<i>EPA 8270D</i>	

PDI-061SC-B-00-02-200428 (A0D0763-08)				Matrix: SE		Batch: 0050335			
Acenaphthene	2110	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D	J	
Acenaphthylene	ND	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Anthracene	1970	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D	J	
Benz(a)anthracene	3630	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D	J	
Benzo(a)pyrene	6230	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Benzo(b)fluoranthene	4910	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Benzo(k)fluoranthene	ND	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Benzo(g,h,i)perylene	5360	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Chrysene	4530	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Dibenz(a,h)anthracene	ND	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Fluoranthene	9430	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Fluorene	ND	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Indeno(1,2,3-cd)pyrene	4460	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
2-Methylnaphthalene	ND	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Naphthalene	ND	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Phenanthrene	8260	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
Pyrene	13200	1850	3690	ug/kg dry	1000	05/09/20 15:38	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>		<i>1000</i>	<i>05/09/20 15:38</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>130 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>05/09/20 15:38</i>	<i>EPA 8270D</i>	<i>S-05</i>

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	--	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-02-04-200428 (A0D0763-09RE1)				Matrix: SE		Batch: 0050335		R-04
Acenaphthene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Acenaphthylene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Anthracene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Benz(a)anthracene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Benzo(a)pyrene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Benzo(b)fluoranthene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Benzo(k)fluoranthene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Benzo(g,h,i)perylene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Chrysene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Dibenz(a,h)anthracene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Fluoranthene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Fluorene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
2-Methylnaphthalene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Naphthalene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
Phenanthrene	12.5	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	J
Pyrene	ND	8.95	17.9	ug/kg dry	5	05/12/20 03:23	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 44-120 %</i>	5	05/12/20 03:23	EPA 8270D	
<i>p-Terphenyl-d14 (Surr)</i>		<i>97 %</i>		<i>54-127 %</i>	5	05/12/20 03:23	EPA 8270D	

PDI-061SC-B-04-06-200428 (A0D0763-10RE1)				Matrix: SE		Batch: 0050335		R-04
Acenaphthene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Acenaphthylene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Anthracene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Benz(a)anthracene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Benzo(a)pyrene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Benzo(b)fluoranthene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Benzo(k)fluoranthene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Benzo(g,h,i)perylene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Chrysene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Dibenz(a,h)anthracene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Fluoranthene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Fluorene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-04-06-200428 (A0D0763-10RE1)			Matrix: SE		Batch: 0050335		R-04	
Indeno(1,2,3-cd)pyrene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
2-Methylnaphthalene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Naphthalene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
Phenanthrene	11.6	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	J
Pyrene	ND	7.14	14.3	ug/kg dry	4	05/12/20 03:54	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>05/12/20 03:54</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>54-127 %</i>		<i>4</i>	<i>05/12/20 03:54</i>	<i>EPA 8270D</i>

PDI-061SC-B-06-08-200428 (A0D0763-11RE1)			Matrix: SE		Batch: 0050335			
Acenaphthene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Acenaphthylene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Anthracene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Benz(a)anthracene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Benzo(a)pyrene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Benzo(b)fluoranthene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Benzo(k)fluoranthene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Benzo(g,h,i)perylene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Chrysene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Dibenz(a,h)anthracene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Fluoranthene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Fluorene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
2-Methylnaphthalene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Naphthalene	2.43	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	J
Phenanthrene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
Pyrene	ND	1.77	3.53	ug/kg dry	1	05/12/20 00:18	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 44-120 %</i>		<i>1</i>	<i>05/12/20 00:18</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>93 %</i>		<i>54-127 %</i>		<i>1</i>	<i>05/12/20 00:18</i>	<i>EPA 8270D</i>

PDI-061SC-B-08-9.9-200428 (A0D0763-12)			Matrix: SE		Batch: 0050335		R-04	
Acenaphthene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Acenaphthylene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Anthracene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Benz(a)anthracene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	

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



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-08-9.9-200428 (A0D0763-12)				Matrix: SE		Batch: 0050335		R-04
Benzo(a)pyrene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Benzo(b)fluoranthene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Benzo(k)fluoranthene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Benzo(g,h,i)perylene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Chrysene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Dibenz(a,h)anthracene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Fluoranthene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Fluorene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Indeno(1,2,3-cd)pyrene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
2-Methylnaphthalene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Naphthalene	7.97	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	J
Phenanthrene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
Pyrene	ND	7.30	14.6	ug/kg dry	4	05/08/20 21:11	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 44-120 %</i>		<i>4</i>	<i>05/08/20 21:11</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>94 %</i>		<i>54-127 %</i>		<i>4</i>	<i>05/08/20 21:11</i>	<i>EPA 8270D</i>

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020A (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-00-02-200428 (A0D0763-08)				Matrix: SE				
Batch: 0050271								
Arsenic	2.74	0.388	0.776	mg/kg dry	5	05/08/20 17:37	EPA 6020A	
PDI-061SC-B-02-04-200428 (A0D0763-09)				Matrix: SE				
Batch: 0050271								
Arsenic	3.84	0.382	0.764	mg/kg dry	5	05/08/20 17:42	EPA 6020A	
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE				
Batch: 0050271								
Arsenic	3.73	0.358	0.717	mg/kg dry	5	05/08/20 17:47	EPA 6020A	
PDI-061SC-B-06-08-200428 (A0D0763-11)				Matrix: SE				
Batch: 0050271								
Arsenic	3.19	0.350	0.700	mg/kg dry	5	05/08/20 17:52	EPA 6020A	
PDI-061SC-B-08-9.9-200428 (A0D0763-12RE1)				Matrix: SE				
Batch: 0050448								
Arsenic	3.29	0.362	0.723	mg/kg dry	5	05/14/20 16:59	EPA 6020A	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-03-04-200428 (A0D0763-01)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	1.2	0.020	0.020	% by Weight	1	05/15/20 00:41	SM 5310 B MOD	B-02
PDI-061SC-A-04-05-200428 (A0D0763-02)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	1.4	0.020	0.020	% by Weight	1	05/15/20 00:52	SM 5310 B MOD	B-02
PDI-061SC-A-05-06-200428 (A0D0763-03)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	0.83	0.020	0.020	% by Weight	1	05/15/20 01:03	SM 5310 B MOD	B-02
PDI-061SC-A-06-07-200428 (A0D0763-04)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	0.44	0.020	0.020	% by Weight	1	05/15/20 01:14	SM 5310 B MOD	B-02
PDI-061SC-A-07-08-200428 (A0D0763-05)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	0.45	0.020	0.020	% by Weight	1	05/15/20 01:25	SM 5310 B MOD	B-02
PDI-061SC-A-08-09-200428 (A0D0763-06)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	0.88	0.020	0.020	% by Weight	1	05/15/20 01:36	SM 5310 B MOD	B-02
PDI-061SC-A-09-9.9-200428 (A0D0763-07RE1)				Matrix: SE				
Batch: 0050604								
Total Organic Carbon	0.075	0.020	0.020	% by Weight	1	05/15/20 16:04	SM 5310 B MOD	
PDI-061SC-B-00-02-200428 (A0D0763-08)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	1.3	0.020	0.020	% by Weight	1	05/15/20 02:41	SM 5310 B MOD	B-02
PDI-061SC-B-02-04-200428 (A0D0763-09)				Matrix: SE				
Batch: 0050463								
Total Organic Carbon	1.1	0.020	0.020	% by Weight	1	05/15/20 02:52	SM 5310 B MOD	B-02
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE				
Batch: 0050463								

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.



Apex Laboratories, LLC

6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 EPA ID: OR01039

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE					
Total Organic Carbon	0.87	0.020	0.020	% by Weight	1	05/15/20 03:03	SM 5310 B MOD	B-02	
PDI-061SC-B-06-08-200428 (A0D0763-11)				Matrix: SE					
Batch: 0050463									
Total Organic Carbon	0.49	0.020	0.020	% by Weight	1	05/15/20 03:13	SM 5310 B MOD	B-02	
PDI-061SC-B-08-9.9-200428 (A0D0763-12)				Matrix: SE					
Batch: 0050463									
Total Organic Carbon	0.61	0.020	0.020	% by Weight	1	05/15/20 03:24	SM 5310 B MOD	B-02	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-A-03-04-200428 (A0D0763-01)				Matrix: SE				
Batch: 0050462								
Total Solids	65.1	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-A-04-05-200428 (A0D0763-02)				Matrix: SE				
Batch: 0050462								
Total Solids	66.2	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-A-05-06-200428 (A0D0763-03)				Matrix: SE				
Batch: 0050462								
Total Solids	68.9	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-A-06-07-200428 (A0D0763-04)				Matrix: SE				
Batch: 0050462								
Total Solids	72.1	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-A-07-08-200428 (A0D0763-05)				Matrix: SE				
Batch: 0050462								
Total Solids	72.8	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-A-08-09-200428 (A0D0763-06)				Matrix: SE				
Batch: 0050462								
Total Solids	68.2	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-A-09-9.9-200428 (A0D0763-07)				Matrix: SE				
Batch: 0050462								
Total Solids	72.7	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-B-00-02-200428 (A0D0763-08)				Matrix: SE				
Batch: 0050462								
Total Solids	65.8	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-B-02-04-200428 (A0D0763-09)				Matrix: SE				
Batch: 0050462								
Total Solids	65.0	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE				
Batch: 0050462								

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.



Apex Laboratories, LLC

6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 EPA ID: OR01039

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-061SC-B-04-06-200428 (A0D0763-10)				Matrix: SE				
Total Solids	69.1	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-B-06-08-200428 (A0D0763-11)				Matrix: SE				
Batch: 0050462								
Total Solids	69.6	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	
PDI-061SC-B-08-9.9-200428 (A0D0763-12)				Matrix: SE				
Batch: 0050462								
Total Solids	67.5	1.00	1.00	% by Weight	1	05/15/20 14:30	SM 2540 G	

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050065 - EPA 5035A												
Soil												
Blank (0050065-BLK1)												
Prepared: 05/03/20 09:00 Analyzed: 05/03/20 14:57												
<u>5035A/8260C</u>												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 97 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr) 100 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr) 101 % 79-120 % "</i>												

LCS (0050065-BS1)												
Prepared: 05/03/20 09:00 Analyzed: 05/03/20 14:03												
<u>5035A/8260C</u>												
Benzene	1000	5.00	10.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Toluene	992	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Ethylbenzene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
m,p-Xylene	2090	25.0	50.0	ug/kg wet	50	2000	---	105	80-120%	---	---	
o-Xylene	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Chlorobenzene	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,1-Dichloroethene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
cis-1,2-Dichloroethene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Tetrachloroethene (PCE)	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Trichloroethene (TCE)	1000	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Vinyl chloride	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
<i>Surr: 1,4-Difluorobenzene (Surr) Recovery: 98 % Limits: 80-120 % Dilution: 1x</i>												
<i>Toluene-d8 (Surr) 98 % 80-120 % "</i>												
<i>4-Bromofluorobenzene (Surr) 101 % 79-120 % "</i>												

Matrix Spike (0050065-MS1) Prepared: 04/29/20 12:55 Analyzed: 05/03/20 23:32

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.



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**

Project Number: [none]
Project Manager: Ryan Barth

Report ID:
A0D0763 - 05 27 20 1450

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260C

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050065 - EPA 5035A												
Soil												
Matrix Spike (0050065-MS1)												
Prepared: 04/29/20 12:55 Analyzed: 05/03/20 23:32												
QC Source Sample: Non-SDG (A0D0764-09)												
5035A/8260C												
Benzene	2050	9.82	19.6	ug/kg dry	50	1960	ND	104	77-121%	---	---	
Toluene	1970	49.1	98.2	ug/kg dry	50	1960	ND	100	77-121%	---	---	
Ethylbenzene	2090	24.5	49.1	ug/kg dry	50	1960	ND	106	76-122%	---	---	
m,p-Xylene	4180	49.1	98.2	ug/kg dry	50	3920	ND	107	77-124%	---	---	
o-Xylene	2140	24.5	49.1	ug/kg dry	50	1960	ND	109	77-123%	---	---	
Chlorobenzene	2020	24.5	49.1	ug/kg dry	50	1960	ND	103	79-120%	---	---	
1,1-Dichloroethene	2140	24.5	49.1	ug/kg dry	50	1960	ND	109	70-131%	---	---	
cis-1,2-Dichloroethene	2070	24.5	49.1	ug/kg dry	50	1960	ND	106	77-123%	---	---	
Tetrachloroethene (PCE)	2040	24.5	49.1	ug/kg dry	50	1960	ND	104	73-128%	---	---	
Trichloroethene (TCE)	2000	24.5	49.1	ug/kg dry	50	1960	ND	102	77-123%	---	---	
Vinyl chloride	2430	24.5	49.1	ug/kg dry	50	1960	ND	124	56-135%	---	---	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 98 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 97 % 80-120 % "												
4-Bromofluorobenzene (Surr) 97 % 79-120 % "												

Matrix Spike Dup (0050065-MSD1)												
Prepared: 04/29/20 12:55 Analyzed: 05/03/20 23:59												
QC Source Sample: Non-SDG (A0D0764-09)												
Benzene	1980	9.82	19.6	ug/kg dry	50	1960	ND	101	77-121%	3	30%	
Toluene	1930	49.1	98.2	ug/kg dry	50	1960	ND	99	77-121%	2	30%	
Ethylbenzene	2060	24.5	49.1	ug/kg dry	50	1960	ND	105	76-122%	1	30%	
m,p-Xylene	4190	49.1	98.2	ug/kg dry	50	3920	ND	107	77-124%	0.1	30%	
o-Xylene	2110	24.5	49.1	ug/kg dry	50	1960	ND	107	77-123%	1	30%	
Chlorobenzene	2000	24.5	49.1	ug/kg dry	50	1960	ND	102	79-120%	0.9	30%	
1,1-Dichloroethene	2080	24.5	49.1	ug/kg dry	50	1960	ND	106	70-131%	3	30%	
cis-1,2-Dichloroethene	2030	24.5	49.1	ug/kg dry	50	1960	ND	104	77-123%	2	30%	
Tetrachloroethene (PCE)	2040	24.5	49.1	ug/kg dry	50	1960	ND	104	73-128%	0.2	30%	
Trichloroethene (TCE)	1960	24.5	49.1	ug/kg dry	50	1960	ND	100	77-123%	2	30%	
Vinyl chloride	2370	24.5	49.1	ug/kg dry	50	1960	ND	121	56-135%	3	30%	
Surr: 1,4-Difluorobenzene (Surr) Recovery: 97 % Limits: 80-120 % Dilution: 1x												
Toluene-d8 (Surr) 98 % 80-120 % "												
4-Bromofluorobenzene (Surr) 97 % 79-120 % "												

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



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050414 - EPA 3546												
Sediment												
Blank (0050414-BLK1) Prepared: 05/12/20 07:29 Analyzed: 05/14/20 09:26 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 77 % Limits: 43-120 % Dilution: 1x</i>												
LCS (0050414-BS1) Prepared: 05/12/20 07:29 Analyzed: 05/14/20 09:44 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	57.1	0.670	1.33	ug/kg wet	1	83.3	---	68	47-134%	---	---	
Aroclor 1260	65.7	0.670	1.33	ug/kg wet	1	83.3	---	79	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 76 % Limits: 43-120 % Dilution: 1x</i>												
Duplicate (0050414-DUP1) Prepared: 05/12/20 07:29 Analyzed: 05/14/20 10:36 C-07												
<u>QC Source Sample: PDI-061SC-A-08-09-200428 (A0D0763-06)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	0.975	1.93	ug/kg dry	1	---	ND	---	---	---	30%	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 58 % Limits: 43-120 % Dilution: 1x</i>												
Matrix Spike (0050414-MS1) Prepared: 05/12/20 07:29 Analyzed: 05/14/20 11:47 C-07												

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.



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**

Project Number: [none]
Project Manager: Ryan Barth

Report ID:
A0D0763 - 05 27 20 1450

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 0050414 - EPA 3546						Sediment						
Matrix Spike (0050414-MS1)						Prepared: 05/12/20 07:29 Analyzed: 05/14/20 11:47						C-07
QC Source Sample: Non-SDG (A0E0004-13RE1)												
EPA 8082A												
Aroclor 1016	117	2.40	4.77	ug/kg dry	1	119	ND	98	47-134%	---	---	
Aroclor 1260	93.9	2.40	4.77	ug/kg dry	1	119	17.1	64	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 66 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0050414-MSD1)						Prepared: 05/12/20 07:31 Analyzed: 05/14/20 12:22						C-07
QC Source Sample: Non-SDG (A0E0004-13RE1)												
Aroclor 1016	119	2.40	4.76	ug/kg dry	1	119	ND	99	47-134%	2	30%	
Aroclor 1260	92.0	2.40	4.76	ug/kg dry	1	119	17.1	63	53-140%	2	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050441 - EPA 3546												
Sediment												
Blank (0050441-BLK1) Prepared: 05/12/20 12:53 Analyzed: 05/13/20 07:59 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 82 %		Limits: 43-120 %		Dilution: 1x						
LCS (0050441-BS1) Prepared: 05/12/20 12:53 Analyzed: 05/13/20 08:17 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	57.0	0.670	1.33	ug/kg wet	1	83.3	---	68	47-134%	---	---	
Aroclor 1260	69.7	0.670	1.33	ug/kg wet	1	83.3	---	84	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)		Recovery: 81 %		Limits: 43-120 %		Dilution: 1x						
Duplicate (0050441-DUP1) Prepared: 05/12/20 12:53 Analyzed: 05/13/20 10:56 C-07												
<u>QC Source Sample: PDI-061SC-B-04-06-200428 (A0D0763-10)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	1.92	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	0.966	1.92	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)		Recovery: 60 %		Limits: 43-120 %		Dilution: 1x						
Matrix Spike (0050441-MS1) Prepared: 05/12/20 12:53 Analyzed: 05/13/20 10:56 C-07												

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050441 - EPA 3546						Sediment						
Matrix Spike (0050441-MS1)						Prepared: 05/12/20 12:53 Analyzed: 05/13/20 10:56						C-07
QC Source Sample: Non-SDG (A0E0004-16)												
EPA 8082A												
Aroclor 1016	78.2	1.06	2.10	ug/kg dry	1	131	ND	60	47-134%	---	---	
Aroclor 1260	73.0	1.06	2.10	ug/kg dry	1	131	13.4	45	53-140%	---	---	Q-01
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 42 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>					S-03	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050714 - EPA 3546												
Sediment												
Blank (0050714-BLK1) Prepared: 05/20/20 07:06 Analyzed: 05/20/20 15:54 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	0.648	1.29	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 81 % Limits: 43-120 % Dilution: 1x</i>												
LCS (0050714-BS1) Prepared: 05/20/20 07:06 Analyzed: 05/20/20 16:12 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	60.2	0.670	1.33	ug/kg wet	1	83.3	---	72	47-134%	---	---	
Aroclor 1260	68.2	0.670	1.33	ug/kg wet	1	83.3	---	82	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 91 % Limits: 43-120 % Dilution: 1x</i>												
Duplicate (0050714-DUP1) Prepared: 05/20/20 07:06 Analyzed: 05/20/20 17:05 C-07												
<u>QC Source Sample: PDI-061SC-B-06-08-200428 (A0D0763-11RE1)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	0.952	1.89	ug/kg dry	1	---	ND	---	---	---	30%	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 60 % Limits: 43-120 % Dilution: 1x</i>												
Matrix Spike (0050714-MS1) Prepared: 05/20/20 07:06 Analyzed: 05/20/20 18:15 C-07												
<u>QC Source Sample: Non-SDG (A0E0281-02)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	94.9	1.08	2.14	ug/kg dry	1	134	ND	71	47-134%	---	---	
Aroclor 1260	108	1.08	2.14	ug/kg dry	1	134	ND	80	53-140%	---	---	

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050714 - EPA 3546						Sediment						
Matrix Spike (0050714-MS1)						Prepared: 05/20/20 07:06 Analyzed: 05/20/20 18:15						C-07
QC Source Sample: Non-SDG (A0E0281-02)												
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 43 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (0050714-MSD1)						Prepared: 05/20/20 07:06 Analyzed: 05/20/20 18:50						C-07
QC Source Sample: Non-SDG (A0E0281-02)												
Aroclor 1016	93.6	1.09	2.17	ug/kg dry	1	136	ND	69	47-134%	1	30%	
Aroclor 1260	107	1.09	2.17	ug/kg dry	1	136	ND	79	53-140%	0.9	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 44 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050393 - EPA 3546												
Sediment												
Blank (0050393-BLK1) Prepared: 05/11/20 09:47 Analyzed: 05/12/20 15:08 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 80 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		98 %		55-130 %		"						
LCS (0050393-BS1) Prepared: 05/11/20 09:47 Analyzed: 05/12/20 15:25 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	52.6	1.00	2.00	ug/kg wet	1	50.0	---	105	50-150%	---	---	
2,4'-DDE	47.5	1.00	2.00	ug/kg wet	1	50.0	---	95	50-150%	---	---	
2,4'-DDT	61.4	1.00	2.00	ug/kg wet	1	50.0	---	123	50-150%	---	---	
4,4'-DDD	52.8	1.00	2.00	ug/kg wet	1	50.0	---	106	50-150%	---	---	
4,4'-DDE	48.7	1.00	2.00	ug/kg wet	1	50.0	---	97	50-150%	---	---	
4,4'-DDT	61.1	1.00	2.00	ug/kg wet	1	50.0	---	122	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 81 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		100 %		55-130 %		"						
Duplicate (0050393-DUP1) Prepared: 05/11/20 09:47 Analyzed: 05/12/20 18:27 C-05, R-04												
<u>QC Source Sample: Non-SDG (A0D0758-15RE1)</u>												
2,4'-DDD	ND	60.2	60.2	ug/kg dry	10	---	ND	---	---	---	30%	R-02
2,4'-DDE	ND	27.3	54.7	ug/kg dry	10	---	ND	---	---	---	30%	
2,4'-DDT	ND	54.7	54.7	ug/kg dry	10	---	ND	---	---	---	30%	
4,4'-DDD	ND	27.3	54.7	ug/kg dry	10	---	ND	---	---	---	30%	
4,4'-DDE	ND	54.7	54.7	ug/kg dry	10	---	ND	---	---	---	30%	
4,4'-DDT	ND	93.0	93.0	ug/kg dry	10	---	ND	---	---	---	30%	R-02
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 93 %		Limits: 42-129 %		Dilution: 10x						
Decachlorobiphenyl (Surr)		134 %		55-130 %		"						
Matrix Spike (0050393-MS1) Prepared: 05/11/20 09:47 Analyzed: 05/13/20 18:26 C-05												

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



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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 0050393 - EPA 3546												
Sediment												
Matrix Spike (0050393-MS1) Prepared: 05/11/20 09:47 Analyzed: 05/13/20 18:26 C-05												
<u>QC Source Sample: Non-SDG (A0E0004-13RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	154	56.8	56.8	ug/kg dry	10	71.0	ND	217	50-150%	---	---	Q-02
2,4'-DDE	95.2	28.4	56.8	ug/kg dry	10	71.0	ND	134	50-150%	---	---	
2,4'-DDT	185	28.4	85.2	ug/kg dry	10	71.0	ND	142	50-150%	---	---	R-02
4,4'-DDD	248	28.4	56.8	ug/kg dry	10	71.0	132	162	50-150%	---	---	Q-02
4,4'-DDE	103	28.4	56.8	ug/kg dry	10	71.0	ND	144	50-150%	---	---	
4,4'-DDT	572	273	273	ug/kg dry	10	71.0	ND	420	50-150%	---	---	Q-02, R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 126 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 10x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>270 %</i>		<i>55-130 %</i>		<i>"</i>						S-04

Matrix Spike Dup (0050393-MSD1) Prepared: 05/11/20 09:47 Analyzed: 05/13/20 19:04 C-05												
<u>QC Source Sample: Non-SDG (A0E0004-13RE1)</u>												
2,4'-DDD	140	56.6	56.6	ug/kg dry	10	70.7	ND	197	50-150%	10	30%	Q-02
2,4'-DDE	103	28.3	56.6	ug/kg dry	10	70.7	ND	146	50-150%	8	30%	
2,4'-DDT	204	84.9	84.9	ug/kg dry	10	70.7	ND	288	50-150%	10	30%	R-02, Q-02
4,4'-DDD	214	28.3	56.6	ug/kg dry	10	70.7	132	115	50-150%	15	30%	
4,4'-DDE	111	28.3	56.6	ug/kg dry	10	70.7	ND	157	50-150%	8	30%	Q-02
4,4'-DDT	391	272	272	ug/kg dry	10	70.7	ND	166	50-150%	38	30%	Q-01, Q-02, R-02
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 115 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 10x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>223 %</i>		<i>55-130 %</i>		<i>"</i>						S-04

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050335 - EPA 3546												
Sediment												
Blank (0050335-BLK1)												
Prepared: 05/08/20 12:08 Analyzed: 05/08/20 19:00												
<u>EPA 8270D</u>												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>116 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (0050335-BS1)												
Prepared: 05/08/20 12:08 Analyzed: 05/08/20 19:33												
<u>EPA 8270D</u>												
Acenaphthene	19.4	1.25	2.50	ug/kg wet	1	20.0	---	97	40-123%	---	---	
Acenaphthylene	20.8	1.25	2.50	ug/kg wet	1	20.0	---	104	32-132%	---	---	
Anthracene	21.0	1.25	2.50	ug/kg wet	1	20.0	---	105	47-123%	---	---	
Benz(a)anthracene	20.3	1.25	2.50	ug/kg wet	1	20.0	---	101	49-126%	---	---	
Benzo(a)pyrene	21.7	1.25	2.50	ug/kg wet	1	20.0	---	109	45-129%	---	---	
Benzo(b)fluoranthene	21.5	1.25	2.50	ug/kg wet	1	20.0	---	107	45-132%	---	---	
Benzo(k)fluoranthene	21.6	1.25	2.50	ug/kg wet	1	20.0	---	108	47-132%	---	---	
Benzo(g,h,i)perylene	19.3	1.25	2.50	ug/kg wet	1	20.0	---	96	43-134%	---	---	
Chrysene	19.7	1.25	2.50	ug/kg wet	1	20.0	---	99	50-124%	---	---	
Dibenz(a,h)anthracene	19.8	1.25	2.50	ug/kg wet	1	20.0	---	99	45-134%	---	---	
Fluoranthene	20.7	1.25	2.50	ug/kg wet	1	20.0	---	104	50-127%	---	---	

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



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050335 - EPA 3546												
Sediment												
LCS (0050335-BS1)												
Prepared: 05/08/20 12:08 Analyzed: 05/08/20 19:33												
Fluorene	21.5	1.25	2.50	ug/kg wet	1	20.0	---	107	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	20.2	1.25	2.50	ug/kg wet	1	20.0	---	101	45-133%	---	---	
2-Methylnaphthalene	21.1	1.25	2.50	ug/kg wet	1	20.0	---	106	38-122%	---	---	
Naphthalene	19.9	1.25	2.50	ug/kg wet	1	20.0	---	100	35-123%	---	---	
Phenanthrene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	50-121%	---	---	
Pyrene	22.7	1.25	2.50	ug/kg wet	1	20.0	---	114	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>115 %</i>		<i>54-127 %</i>		<i>"</i>						

Duplicate (0050335-DUP2)												
Prepared: 05/08/20 12:08 Analyzed: 05/11/20 11:46												
QC Source Sample: PDI-061SC-A-03-04-200428 (A0D0763-01RE1)												
EPA 8270D												
Acenaphthene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Acenaphthylene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Anthracene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Chrysene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Fluoranthene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Fluorene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Naphthalene	27.2	7.42	14.8	ug/kg dry	4	---	30.9	---	---	13	30%	
Phenanthrene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
Pyrene	ND	7.42	14.8	ug/kg dry	4	---	ND	---	---	---	30%	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 77 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 4x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>91 %</i>		<i>54-127 %</i>		<i>"</i>						

Matrix Spike (0050335-MS1)												
Prepared: 05/08/20 12:08 Analyzed: 05/08/20 21:43												

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050335 - EPA 3546												
Sediment												
Matrix Spike (0050335-MS1) Prepared: 05/08/20 12:08 Analyzed: 05/08/20 21:43												
QC Source Sample: PDI-061SC-B-08-9.9-200428 (A0D0763-12)												
EPA 8270D												
Acenaphthene	25.9	7.31	14.6	ug/kg dry	4	29.2	ND	89	40-123%	---	---	
Acenaphthylene	26.9	7.31	14.6	ug/kg dry	4	29.2	ND	92	32-132%	---	---	
Anthracene	28.5	7.31	14.6	ug/kg dry	4	29.2	ND	97	47-123%	---	---	
Benz(a)anthracene	27.5	7.31	14.6	ug/kg dry	4	29.2	ND	94	49-126%	---	---	
Benzo(a)pyrene	31.6	7.31	14.6	ug/kg dry	4	29.2	ND	108	45-129%	---	---	
Benzo(b)fluoranthene	29.1	7.31	14.6	ug/kg dry	4	29.2	ND	100	45-132%	---	---	
Benzo(k)fluoranthene	27.3	7.31	14.6	ug/kg dry	4	29.2	ND	93	47-132%	---	---	
Benzo(g,h,i)perylene	24.9	7.31	14.6	ug/kg dry	4	29.2	ND	85	43-134%	---	---	
Chrysene	26.7	7.31	14.6	ug/kg dry	4	29.2	ND	91	50-124%	---	---	
Dibenz(a,h)anthracene	25.0	7.31	14.6	ug/kg dry	4	29.2	ND	86	45-134%	---	---	
Fluoranthene	28.9	7.31	14.6	ug/kg dry	4	29.2	ND	99	50-127%	---	---	
Fluorene	28.9	7.31	14.6	ug/kg dry	4	29.2	ND	99	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	26.7	7.31	14.6	ug/kg dry	4	29.2	ND	91	45-133%	---	---	
2-Methylnaphthalene	28.0	7.31	14.6	ug/kg dry	4	29.2	ND	96	38-122%	---	---	
Naphthalene	27.2	7.31	14.6	ug/kg dry	4	29.2	7.97	66	35-123%	---	---	
Phenanthrene	27.1	7.31	14.6	ug/kg dry	4	29.2	ND	93	50-121%	---	---	
Pyrene	29.6	7.31	14.6	ug/kg dry	4	29.2	ND	101	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 44-120 %</i>		<i>Dilution: 4x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>100 %</i>		<i>54-127 %</i>		<i>"</i>						

Matrix Spike (0050335-MS2) Prepared: 05/08/20 14:13 Analyzed: 05/08/20 22:45												
QC Source Sample: Non-SDG (A0D0677-30RE1)												
EPA 8270D												
Acenaphthene	31.7	1.18	2.37	ug/kg wet	1	19.0	287	-1340	40-123%	---	---	Q-01
Acenaphthylene	20.2	1.18	2.37	ug/kg wet	1	19.0	28.0	-41	32-132%	---	---	Q-01
Anthracene	24.1	1.18	2.37	ug/kg wet	1	19.0	70.1	-242	47-123%	---	---	Q-01
Benz(a)anthracene	24.1	1.18	2.37	ug/kg wet	1	19.0	34.5	-55	49-126%	---	---	Q-01
Benzo(a)pyrene	27.4	1.18	2.37	ug/kg wet	1	19.0	57.2	-157	45-129%	---	---	Q-01
Benzo(b)fluoranthene	26.1	1.18	2.37	ug/kg wet	1	19.0	49.7	-124	45-132%	---	---	Q-01
Benzo(k)fluoranthene	20.8	1.18	2.37	ug/kg wet	1	19.0	14.7	32	47-132%	---	---	Q-01
Benzo(g,h,i)perylene	22.0	1.18	2.37	ug/kg wet	1	19.0	40.5	-98	43-134%	---	---	Q-01
Chrysene	28.9	1.18	2.37	ug/kg wet	1	19.0	42.1	-70	50-124%	---	---	Q-01

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050335 - EPA 3546												
Sediment												
Matrix Spike (0050335-MS2) Prepared: 05/08/20 14:13 Analyzed: 05/08/20 22:45												
QC Source Sample: Non-SDG (A0D0677-30RE1)												
Dibenz(a,h)anthracene	17.1	1.18	2.37	ug/kg wet	1	19.0	3.79	70	45-134%	---	---	
Fluoranthene	32.8	1.18	2.37	ug/kg wet	1	19.0	129	-508	50-127%	---	---	Q-01
Fluorene	25.2	1.18	2.37	ug/kg wet	1	19.0	154	-677	43-125%	---	---	Q-01
Indeno(1,2,3-cd)pyrene	22.2	1.18	2.37	ug/kg wet	1	19.0	35.6	-71	45-133%	---	---	Q-01
2-Methylnaphthalene	18.2	1.18	2.37	ug/kg wet	1	19.0	92.7	-393	38-122%	---	---	Q-01
Naphthalene	22.6	1.18	2.37	ug/kg wet	1	19.0	310	-1520	35-123%	---	---	Q-01
Phenanthrene	30.8	1.18	2.37	ug/kg wet	1	19.0	307	-1460	50-121%	---	---	Q-01
Pyrene	86.9	1.18	2.37	ug/kg wet	1	19.0	178	-482	47-127%	---	---	Q-01
Surr: 2-Fluorobiphenyl (Surr) Recovery: 86 % Limits: 44-120 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 103 % 54-127 % "												

Matrix Spike Dup (0050335-MSD2) Prepared: 05/08/20 14:16 Analyzed: 05/08/20 23:15												
QC Source Sample: Non-SDG (A0D0677-30RE1)												
Acenaphthene	53.5	1.18	2.36	ug/kg wet	1	18.9	287	-1240	40-123%	51	30%	Q-01
Acenaphthylene	25.0	1.18	2.36	ug/kg wet	1	18.9	28.0	-16	32-132%	21	30%	Q-01
Anthracene	28.7	1.18	2.36	ug/kg wet	1	18.9	70.1	-220	47-123%	17	30%	Q-01
Benz(a)anthracene	36.8	1.18	2.36	ug/kg wet	1	18.9	34.5	12	49-126%	42	30%	Q-01
Benzo(a)pyrene	44.9	1.18	2.36	ug/kg wet	1	18.9	57.2	-65	45-129%	49	30%	Q-01
Benzo(b)fluoranthene	37.9	1.18	2.36	ug/kg wet	1	18.9	49.7	-62	45-132%	37	30%	Q-01
Benzo(k)fluoranthene	26.2	1.18	2.36	ug/kg wet	1	18.9	14.7	61	47-132%	23	30%	
Benzo(g,h,i)perylene	33.6	1.18	2.36	ug/kg wet	1	18.9	40.5	-37	43-134%	42	30%	Q-01
Chrysene	41.7	1.18	2.36	ug/kg wet	1	18.9	42.1	-2	50-124%	36	30%	Q-01
Dibenz(a,h)anthracene	18.0	1.18	2.36	ug/kg wet	1	18.9	3.79	76	45-134%	5	30%	
Fluoranthene	54.9	1.18	2.36	ug/kg wet	1	18.9	129	-393	50-127%	50	30%	Q-01
Fluorene	27.7	1.18	2.36	ug/kg wet	1	18.9	154	-668	43-125%	10	30%	Q-01
Indeno(1,2,3-cd)pyrene	32.1	1.18	2.36	ug/kg wet	1	18.9	35.6	-19	45-133%	36	30%	Q-01
2-Methylnaphthalene	19.5	1.18	2.36	ug/kg wet	1	18.9	92.7	-388	38-122%	7	30%	Q-01
Naphthalene	22.7	1.18	2.36	ug/kg wet	1	18.9	310	-1530	35-123%	0.4	30%	Q-01
Phenanthrene	36.3	1.18	2.36	ug/kg wet	1	18.9	307	-1430	50-121%	16	30%	Q-01
Pyrene	141	1.18	2.36	ug/kg wet	1	18.9	178	-197	47-127%	47	30%	Q-01
Surr: 2-Fluorobiphenyl (Surr) Recovery: 88 % Limits: 44-120 % Dilution: 1x												
p-Terphenyl-d14 (Surr) 94 % 54-127 % "												

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020A (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050271 - EPA 3051A												
Sediment												
Blank (0050271-BLK1) Prepared: 05/07/20 11:12 Analyzed: 05/08/20 15:37												
<u>EPA 6020A</u>												
Arsenic	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
LCS (0050271-BS1) Prepared: 05/07/20 11:12 Analyzed: 05/08/20 15:42												
<u>EPA 6020A</u>												
Arsenic	24.1	0.250	0.500	mg/kg wet	5	25.0	---	97	80-120%	---	---	
Duplicate (0050271-DUP1) Prepared: 05/07/20 11:12 Analyzed: 05/08/20 16:17												
<u>QC Source Sample: Non-SDG (A0D0701-12)</u>												
Arsenic	3.38	0.291	0.583	mg/kg dry	5	---	3.38	---	---	0.07	40%	
Matrix Spike (0050271-MS1) Prepared: 05/07/20 11:12 Analyzed: 05/08/20 16:23												
<u>QC Source Sample: Non-SDG (A0D0701-12)</u>												
<u>EPA 6020A</u>												
Arsenic	30.3	0.293	0.586	mg/kg dry	5	29.3	3.38	92	75-125%	---	---	

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020A (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050448 - EPA 3051A						Sediment						
Blank (0050448-BLK2)						Prepared: 05/12/20 13:36 Analyzed: 05/14/20 16:48						
<u>EPA 6020A</u>												
Arsenic	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	Q-16
LCS (0050448-BS2)						Prepared: 05/12/20 13:36 Analyzed: 05/14/20 16:53						
<u>EPA 6020A</u>												
Arsenic	23.8	0.250	0.500	mg/kg wet	5	25.0	---	95	80-120%	---	---	Q-16
Matrix Spike (0050448-MS2)						Prepared: 05/12/20 13:36 Analyzed: 05/14/20 11:56						
<u>QC Source Sample: Non-SDG (A0E0004-13RE1)</u>												
<u>EPA 6020A</u>												
Arsenic	38.0	0.364	0.727	mg/kg dry	5	36.4	4.64	92	75-125%	---	---	Q-16
Matrix Spike Dup (0050448-MSD2)						Prepared: 05/12/20 13:36 Analyzed: 05/14/20 12:01						
<u>QC Source Sample: Non-SDG (A0E0004-13RE1)</u>												
Arsenic	37.7	0.364	0.727	mg/kg dry	5	36.4	4.64	91	75-125%	0.8	40%	Q-16

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050463 - PSEP-5310B TOC						Soil						
Blank (0050463-BLK1)			Prepared: 05/12/20 17:29 Analyzed: 05/14/20 23:15									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% by Weight	1	---	---	---	---	---	---	B-02
LCS (0050463-BS1)			Prepared: 05/12/20 17:29 Analyzed: 05/14/20 23:25									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	10000			mg/kg	1	10000	---	101	90-110%	---	---	B-02
Duplicate (0050463-DUP1)			Prepared: 05/12/20 17:29 Analyzed: 05/15/20 00:31									
<u>QC Source Sample: Non-SDG (A0D0758-19)</u>												
Total Organic Carbon	1.8	0.020	0.020	% by Weight	1	---	1.8	---	---	0.4	20%	B-02
Duplicate (0050463-DUP2)			Prepared: 05/12/20 17:29 Analyzed: 05/15/20 01:57									
<u>QC Source Sample: PDI-061SC-A-09-9.9-200428 (A0D0763-07)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.071	0.020	0.020	% by Weight	1	---	0.072	---	---	0.3	20%	B-02
Duplicate (0050463-DUP3)			Prepared: 05/12/20 17:29 Analyzed: 05/15/20 02:08									
<u>QC Source Sample: PDI-061SC-A-09-9.9-200428 (A0D0763-07)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.079	0.020	0.020	% by Weight	1	---	0.072	---	---	10	20%	B-02

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050604 - PSEP-5310B TOC						Soil						
Blank (0050604-BLK1)			Prepared: 05/15/20 14:16 Analyzed: 05/15/20 15:42									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	ND	0.020	0.020	% by Weight	1	---	---	---	---	---	---	
LCS (0050604-BS1)			Prepared: 05/15/20 14:16 Analyzed: 05/15/20 15:53									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	10000			mg/kg	1	10000	---	100	90-110%	---	---	
Duplicate (0050604-DUP1)			Prepared: 05/15/20 14:16 Analyzed: 05/15/20 16:14									
<u>QC Source Sample: PDI-061SC-A-09-9.9-200428 (A0D0763-07RE1)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.068	0.020	0.020	% by Weight	1	---	0.075	---	---	10	20%	
Duplicate (0050604-DUP2)			Prepared: 05/15/20 14:16 Analyzed: 05/15/20 16:25									
<u>QC Source Sample: PDI-061SC-A-09-9.9-200428 (A0D0763-07RE1)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.074	0.020	0.020	% by Weight	1	---	0.075	---	---	2	20%	

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.



Apex Laboratories, LLC

6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 EPA ID: OR01039

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0050462 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0050462-DUP1)			Prepared: 05/12/20 17:21 Analyzed: 05/15/20 14:30									
<u>QC Source Sample: PDI-061SC-A-09-9.9-200428 (A0D0763-07)</u>												
<u>SM 2540 G</u>												
Total Solids	72.9	1.00	1.00	% by Weight	1	---	72.7	---	---	0.2	10%	
Duplicate (0050462-DUP2)			Prepared: 05/12/20 17:21 Analyzed: 05/15/20 14:30									
<u>QC Source Sample: Non-SDG (A0D0764-01)</u>												
Total Solids	61.5	1.00	1.00	% by Weight	1	---	60.7	---	---	1	10%	

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

SAMPLE PREPARATION INFORMATION

Selected Volatile Organic Compounds by EPA 5035A/8260C

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050065</u>							
A0D0763-08	SE	5035A/8260C	04/28/20 13:40	04/28/20 13:40	6.15g/5mL	5g/5mL	0.81
A0D0763-09	SE	5035A/8260C	04/28/20 13:40	04/28/20 13:40	6.52g/5mL	5g/5mL	0.77
A0D0763-10	SE	5035A/8260C	04/28/20 13:40	04/28/20 13:40	5.7g/5mL	5g/5mL	0.88
A0D0763-11	SE	5035A/8260C	04/28/20 13:40	04/28/20 13:40	4.27g/5mL	5g/5mL	1.17
A0D0763-12	SE	5035A/8260C	04/28/20 13:40	04/28/20 13:40	6.45g/5mL	5g/5mL	0.78

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050414</u>							
A0D0763-01RE1	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:29	30.11g/2mL	30g/2mL	1.00
A0D0763-02RE1	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:29	30.01g/2mL	30g/2mL	1.00
A0D0763-03RE1	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:29	30.28g/2mL	30g/2mL	0.99
A0D0763-04RE1	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:29	30.03g/2mL	30g/2mL	1.00
A0D0763-05RE1	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:29	30.38g/2mL	30g/2mL	0.99
A0D0763-06	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:31	30.23g/2mL	30g/2mL	0.99
A0D0763-07	SE	EPA 8082A	04/28/20 13:57	05/12/20 07:31	30.5g/2mL	30g/2mL	0.98
A0D0763-08	SE	EPA 8082A	04/28/20 13:40	05/12/20 07:31	30.12g/2mL	30g/2mL	1.00
A0D0763-09	SE	EPA 8082A	04/28/20 13:40	05/12/20 07:31	30.48g/2mL	30g/2mL	0.98
<u>Batch: 0050441</u>							
A0D0763-10	SE	EPA 8082A	04/28/20 13:40	05/12/20 12:53	30.33g/2mL	30g/2mL	0.99
<u>Batch: 0050714</u>							
A0D0763-11RE1	SE	EPA 8082A	04/28/20 13:40	05/20/20 07:06	30.36g/2mL	30g/2mL	0.99

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050393</u>							
A0D0763-01RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.28g/10mL	10g/5mL	1.95
A0D0763-02RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.46g/10mL	10g/5mL	1.91
A0D0763-03RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.66g/10mL	10g/5mL	1.88
A0D0763-04RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.2g/10mL	10g/5mL	1.96
A0D0763-05RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.55g/10mL	10g/5mL	1.90

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0D0763-06RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.35g/10mL	10g/5mL	1.93
A0D0763-07RE1	SE	EPA 8081B	04/28/20 13:57	05/11/20 09:47	10.55g/10mL	10g/5mL	1.90
A0D0763-08RE1	SE	EPA 8081B	04/28/20 13:40	05/11/20 09:47	10.21g/10mL	10g/5mL	1.96
A0D0763-09RE1	SE	EPA 8081B	04/28/20 13:40	05/11/20 09:47	10.32g/10mL	10g/5mL	1.94
A0D0763-10RE1	SE	EPA 8081B	04/28/20 13:40	05/11/20 09:47	10.62g/10mL	10g/5mL	1.88
A0D0763-11RE1	SE	EPA 8081B	04/28/20 13:40	05/11/20 09:47	10.18g/10mL	10g/5mL	1.96

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D (Scan)

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050335</u>							
A0D0763-01RE1	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.36g/5mL	10g/5mL	0.97
A0D0763-02RE1	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.28g/5mL	10g/5mL	0.97
A0D0763-03RE1	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.29g/5mL	10g/5mL	0.97
A0D0763-04RE1	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.57g/5mL	10g/5mL	0.95
A0D0763-05RE1	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.68g/5mL	10g/5mL	0.94
A0D0763-06RE1	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.58g/5mL	10g/5mL	0.95
A0D0763-07	SE	EPA 8270D	04/28/20 13:57	05/08/20 12:08	10.49g/5mL	10g/5mL	0.95
A0D0763-08	SE	EPA 8270D	04/28/20 13:40	05/08/20 12:08	10.29g/5mL	10g/5mL	0.97
A0D0763-09RE1	SE	EPA 8270D	04/28/20 13:40	05/08/20 12:08	10.74g/5mL	10g/5mL	0.93
A0D0763-10RE1	SE	EPA 8270D	04/28/20 13:40	05/08/20 12:08	10.14g/5mL	10g/5mL	0.99
A0D0763-11RE1	SE	EPA 8270D	04/28/20 13:40	05/08/20 12:08	10.16g/5mL	10g/5mL	0.98
A0D0763-12	SE	EPA 8270D	04/28/20 13:40	05/08/20 12:08	10.15g/5mL	10g/5mL	0.99

Total Metals by EPA 6020A (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050271</u>							
A0D0763-08	SE	EPA 6020A	04/28/20 13:40	05/07/20 11:12	0.49g/50mL	0.5g/50mL	1.02
A0D0763-09	SE	EPA 6020A	04/28/20 13:40	05/07/20 11:12	0.503g/50mL	0.5g/50mL	0.99
A0D0763-10	SE	EPA 6020A	04/28/20 13:40	05/07/20 11:12	0.505g/50mL	0.5g/50mL	0.99
A0D0763-11	SE	EPA 6020A	04/28/20 13:40	05/07/20 11:12	0.513g/50mL	0.5g/50mL	0.98
<u>Batch: 0050448</u>							
A0D0763-12RE1	SE	EPA 6020A	04/28/20 13:40	05/12/20 13:36	0.512g/50mL	0.5g/50mL	0.98

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

SAMPLE PREPARATION INFORMATION

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050463</u>							
A0D0763-01	SE	SM 5310 B MOD	04/28/20 13:57	05/12/20 17:29			NA
A0D0763-02	SE	SM 5310 B MOD	04/28/20 13:57	05/12/20 17:29			NA
A0D0763-03	SE	SM 5310 B MOD	04/28/20 13:57	05/12/20 17:29			NA
A0D0763-04	SE	SM 5310 B MOD	04/28/20 13:57	05/12/20 17:29			NA
A0D0763-05	SE	SM 5310 B MOD	04/28/20 13:57	05/12/20 17:29			NA
A0D0763-06	SE	SM 5310 B MOD	04/28/20 13:57	05/12/20 17:29			NA
A0D0763-08	SE	SM 5310 B MOD	04/28/20 13:40	05/12/20 17:29			NA
A0D0763-09	SE	SM 5310 B MOD	04/28/20 13:40	05/12/20 17:29			NA
A0D0763-10	SE	SM 5310 B MOD	04/28/20 13:40	05/12/20 17:29			NA
A0D0763-11	SE	SM 5310 B MOD	04/28/20 13:40	05/12/20 17:29			NA
A0D0763-12	SE	SM 5310 B MOD	04/28/20 13:40	05/12/20 17:29			NA
<u>Batch: 0050604</u>							
A0D0763-07RE1	SE	SM 5310 B MOD	04/28/20 13:57	05/15/20 14:16			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0050462</u>							
A0D0763-01	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-02	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-03	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-04	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-05	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-06	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-07	SE	SM 2540 G	04/28/20 13:57	05/12/20 17:21			NA
A0D0763-08	SE	SM 2540 G	04/28/20 13:40	05/12/20 17:21			NA
A0D0763-09	SE	SM 2540 G	04/28/20 13:40	05/12/20 17:21			NA
A0D0763-10	SE	SM 2540 G	04/28/20 13:40	05/12/20 17:21			NA
A0D0763-11	SE	SM 2540 G	04/28/20 13:40	05/12/20 17:21			NA
A0D0763-12	SE	SM 2540 G	04/28/20 13:40	05/12/20 17:21			NA

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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

QUALIFIER DEFINITIONS

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

Apex Laboratories

- A-01** Duplicate extraction has passing surrogate.
- 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-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- 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.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- P-10** Result estimated due to the presence of multiple PCB Aroclors and/or matrix interference.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-02** Spike recovery is outside of established control limits due to matrix interference.
- Q-16** Reanalysis of an original Batch QC sample.
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- R-04** Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
- S-03** Reextraction and analysis, or analysis of laboratory duplicate, confirms surrogate failure due to sample matrix effect.
- S-04** Surrogate recovery is outside of established control limits due to a sample matrix effect.
- S-05** Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
- S-06** Surrogate recovery is outside of established control limits.

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.



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Project Number: [none]

Project Manager: Ryan Barth

Report ID:

A0D0763 - 05 27 20 1450

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 1/2 the Reporting Limit (RL).
-For Blank hits falling between 1/2 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.



Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

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

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.



Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

LABORATORY ACCREDITATION INFORMATION

TNI 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
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

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 provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA 1201 3rd Avenue, Suite 2000, Seattle, WA 98101

POC: * Delaney Peterson (360-715-2707) 1805 Cornwell Avenue, Bellingham, WA 98225 **Client:** NW Natural

Project: Gasco PDI **Lab:** Apex

COC ID: APEX-20200428-144702 **Sample Custodian:** CO

A0D0763

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab GC*	Test Request	Method	TAT**	Preservative
001	PDI-061SC-A-03-04-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM5310B SW6081B SW6270D SW6082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
002	PDI-061SC-A-04-05-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM5310B SW6081B SW6270D SW6082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
003	PDI-061SC-A-05-06-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM5310B SW6081B SW6270D SW6082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C
004	PDI-061SC-A-06-07-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM5310B SW6081B SW6270D SW6082A SM2540G	30 30 30 30 30	4°C 4°C 4°C 4°C 4°C

Comment:

Received By	Relinquished By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: Lucas Henry	Print Name: Charles Hoffman
Company: AQ	Company: Apex
Date/Time: 4/29/2020/15:00	Date/Time: 4/29/20 18:15

Date Printed: 4/28/2020

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

Page 1 of 4

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.

[Signature]



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0D0763
APEX-20200428-144702

COC ID: APEX-20200428-144702
Sample Custodian: CO
Lab: Apex

POC: **Delaney Peterson (360-715-2707)** Project: **Gasco PDI**
1605 Cornwall Avenue, Bellingham, WA 98225 Client: **NW Natural**

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Lab # Containers	Lab QC	Test Request	Method	TAT**	Preservative
005	PDI-0615C-A-07-08-200428	N	SE	04/28/2020	13:57	1		TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM6310B SW8081B SW8270D SW8082A SM2540G	30	4°C
006	PDI-0615C-A-08-09-200428	N	SE	04/28/2020	13:57	1		TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM6310B SW8081B SW8270D SW8082A SM2540G	30	4°C
007	PDI-0615C-A-09-9-200428	N	SE	04/28/2020	13:57	1		TOC LR Pesticides PAH PCB Aroclors Total solids (APEX)	SM6310B SW8081B SW8270D SW8082A SM2540G	30	4°C
008	PDI-0615C-B-00-02-200428	N	SE	04/28/2020	13:40	3		TOC LR Pesticides Arsenic PAH PCB Aroclors	SM6310B SW8081B SW6020A SW8270D SW8082A	30	4°C

Received By: *[Signature]*
Print Name: **WILLIS HENRY**
Company: **ARQ**
Date/Time: **4/29/2020 15:00**

Relinquished By: *[Signature]*
Print Name: **Charles Huffer**
Company: **Apex**
Date/Time: **4/29/20 1515**

Date Printed: 4/28/2020

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

Page 2 of 4

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.

[Signature]



Anchor QEA, LLC

6720 SW Macadam Ave. Suite 125
Portland, OR 97219

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Project Number: [none]
Project Manager: Ryan Barth

Report ID:

A0D0763 - 05 27 20 1450

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA
 1201 8th Avenue, Suite 2000, Seattle, WA 98101
 POC: Delaney Peterson (360-715-2707)
 1605 Cornwell Avenue, Bellingham, WA 98225
 Project: Gasco PDI
 Client: NW Natural

COC ID: A0D0763
 APEX-20200428-144702
 Sample Custodian: CO
 Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC	Test Request	Method	TAT**	Preservative
008	PDI-061SC-B-02-04-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	Total Solids (APEX) VOCs (QAPP 3/4b)	SM2540G SW8260C	30	4°C MeOH
009	PDI-061SC-B-02-04-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC LR Pesticides Arsenic PAH PCB Aroclors Total Solids (APEX) VOCs (QAPP 3/4b)	SM6310B SW8081B SM6020A SW8270D SW8082A SM2540G SW8260C	30	4°C 4°C 4°C 4°C 4°C 4°C MeOH
010	PDI-061SC-B-04-06-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC LR Pesticides Arsenic PAH PCB Aroclors Total Solids (APEX) VOCs (QAPP 3/4b)	SM6310B SW8081B SM6020A SW8270D SW8082A SM2540G SW8260C	30	4°C 4°C 4°C 4°C 4°C 4°C MeOH
011	PDI-061SC-B-06-08-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC LR Pesticides Arsenic PAH	SM6310B SW8081B SM6020A SW8270D	30	4°C 4°C 4°C 4°C

Received By: [Signature] Signature
 Print Name: Lois Henry Print Name
 Company: Apex Company
 Date/Time: 4/29/20 15:00 Date/Time

Retrieved By: [Signature] Signature
 Print Name: Channing Helms Print Name
 Company: Apex Company
 Date/Time: 4/29/20 15:15 Date/Time

Retrieved By: [Signature] Signature
 Print Name: [Signature] Print Name
 Company: [Signature] Company
 Date/Time: [Signature] Date/Time

Date Printed: 4/28/2020

Page 3 of 4

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

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.



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

Project: **Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores**
Project Number: [none]
Project Manager: **Ryan Barth**

Report ID:
A0D0763 - 05 27 20 1450

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Anchor QEA
1201 3rd Avenue, Suite 2000, Seattle, WA 98101

POC: Delaney Peterson (360-715-2707) Project: Gasco PDI Lab: Apex
1605 Cornwell Avenue, Bellingham, WA 98225 Client: NW Natural

COC ID: APEX-20200428-144702
Sample Custodian: CO
Lab: Apex

A0D0763

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab QC #	Test Request	Method	TAT**	Preservative
011	PDI-061SC-B-08-08-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	PCB Aroclors Total solids (APEX) VOCs (QAPP 3/4b)	SW8082A SM2540G SW8260C	30 30 30	4°C 4°C MeOH
012	PDI-061SC-B-08-09-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC Arsenic PAH Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SW6020A SW8270D SM2540G SW8260C	30 30 30 30 30	4°C 4°C 4°C 4°C MeOH

Comment:

Requested By	Signature	Print Name	Company	Date/Time	Relinquished By	Signature	Print Name	Company	Date/Time	Requested By	Signature	Print Name	Company	Date/Time
	<i>[Signature]</i>	Lucas Henry	Apex	4/29/2020 15:00		<i>[Signature]</i>	Charles Hoffman	Apex	4/28/20 15:15					

Date Printed: 4/28/2020

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

Page 4 of 4

Apex Laboratories

[Signature]

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.

Anchor QEA, LLC 6720 SW Macadam Ave. Suite 125 Portland, OR 97219	Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Project Number: [none] Project Manager: Ryan Barth	Report ID: A0D0763 - 05 27 20 1450
--	---	--

APEX LABS COOLER RECEIPT FORM

Client: Anchor **Element WO#:** A0D0763

Project/Project #: Gasco POE

Delivery Info:
 Date/time received: 4/29/20 @ 1515 By: CFH
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 4/29/20 @ 1609 By: CFH
 Chain of Custody included? Yes No Custody seals? Yes No
 Signed/dated by client? Yes No
 Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>5.0</u>	<u>3.3</u>	<u>5.8</u>				
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>	<u>Real</u>				
Condition:	<u>Good</u>	<u>Good</u>	<u>Good</u>				

Cooler out of temp? (Y/N) Possible reason why: _____
 If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA NA
 Out of temperature samples form initiated? Yes/No/NA NA

Samples Inspection: Date/time inspected: 4/30/20 @ 1134 By: ST
 All samples intact? Yes No Comments: _____

 Bottle labels/COCs agree? Yes No Comments: _____


 COC/container discrepancies form initiated? Yes No NA
 Containers/volumes received appropriate for analysis? Yes No Comments: _____

 Do VOA vials have visible headspace? Yes No NA
 Comments: _____
 Water samples: pH checked: Yes No NA pH appropriate? Yes No NA
 Comments: _____

Additional information:

Labeled by: [Signature] Witness: [Signature] Cooler Inspected by: CFH See Project Contact Form: Y

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.

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

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

<p>Report To: Anchor QEA, LLC Ryan Barth 6720 SW Macadam Ave. Suite 125 Portland, OR 97219 Phone: (503) 670-1108 Fax: na</p>	<p>Invoice To: Anchor QEA, LLC Seattle Accounts Payable 1201 3rd Avenue, Suite 2600 Seattle, WA 98101 Phone : (206) 287-9130 Fax: (206) 287-9131</p>
---	---

Date Due:	05/13/20 17:00 (10 day TAT)	Date Received:	04/29/20 15:15
Received By:	Charles F. Hoffman	Date Logged In:	04/30/20 11:07
Logged In By:	Susan L. Treat		

Cooler #1 received at 5.0°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								
Cooler #2 received at 3.3°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								
Cooler #3 received at 5.8°C									
Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A0D0763-01 PDI-061SC-A-03-04-200428 [Sediment] Sampled 04/28/20				
13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	05/12/20 17:00	10	08/05/20 13:57	
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	Batch QC Failure. Not Analyzed. +1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

A0D0763-02 PDI-061SC-A-04-05-200428 [Sediment] Sampled 04/28/20

13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	Batch QC Failure. Not Analyzed. +1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763-03 PDI-061SC-A-05-06-200428 [Sediment] Sampled 04/28/20

13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	Batch QC Failure. Not Analyzed. +1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

A0D0763-04 PDI-061SC-A-06-07-200428 [Sediment] Sampled 04/28/20

13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	Batch QC Failure. Not Analyzed. +1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763-05 PDI-061SC-A-07-08-200428 [Sediment] Sampled 04/28/20

13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	Batch QC Failure. Not Analyzed. +1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

A0D0763-06 PDI-061SC-A-08-09-200428 [Sediment] Sampled 04/28/20

13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763-07 PDI-061SC-A-09-9.9-200428 [Sediment] Sampled 04/28/20

13:57 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:57	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:57	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:57	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:57	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:57	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:57	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:57	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:57	

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
Analysis	Due	TAT	Expires	Comments
A0D0763-08 PDI-061SC-B-00-02-200428 [Sediment] Sampled 04/28/20				
13:40 (GMT-08:00) Pacific Time (US & Canada) 4 Containers				
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:40	Use Results from TS.. Make NR once completed.
Metals				
As (Arsenic) - 6020 - Total	05/12/20 17:00	10	10/25/20 13:40	
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:40	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:40	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:40	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:40	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:40	
Volatiles				
8260C BTEX+Halo6	05/12/20 17:00	10	04/30/20 13:40	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:40	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:40	

A0D0763-09 PDI-061SC-B-02-04-200428 [Sediment] Sampled 04/28/20				
13:40 (GMT-08:00) Pacific Time (US & Canada) 4 Containers				
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:40	Use Results from TS.. Make NR once completed.
Metals				
As (Arsenic) - 6020 - Total	05/12/20 17:00	10	10/25/20 13:40	
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:40	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:40	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:40	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:40	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:40	
Volatiles				
8260C BTEX+Halo6	05/12/20 17:00	10	04/30/20 13:40	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:40	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:40	

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
Analysis	Due	TAT	Expires	Comments
A0D0763-10 PDI-061SC-B-04-06-200428 [Sediment] Sampled 04/28/20				
13:40 (GMT-08:00) Pacific Time (US & Canada) 4 Containers				
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:40	Use Results from TS.. Make NR once completed.
Metals				
As (Arsenic) - 6020 - Total	05/12/20 17:00	10	10/25/20 13:40	
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:40	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:40	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:40	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:40	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:40	
Volatiles				
8260C BTEX+Halo6	05/12/20 17:00	10	04/30/20 13:40	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:40	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:40	

A0D0763-11 PDI-061SC-B-06-08-200428 [Sediment] Sampled 04/28/20				
13:40 (GMT-08:00) Pacific Time (US & Canada) 4 Containers				
Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:40	Use Results from TS.. Make NR once completed.
Metals				
As (Arsenic) - 6020 - Total	05/12/20 17:00	10	10/25/20 13:40	
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:40	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:40	Subsampled from A to B container
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	05/12/20 17:00	10	05/12/20 13:40	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	05/12/20 17:00	10	04/28/21 13:40	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:40	
Volatiles				
8260C BTEX+Halo6	05/12/20 17:00	10	04/30/20 13:40	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:40	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:40	

A0D0763

Apex Laboratories

Client: Anchor QEA, LLC	Project Manager: Darwin Thomas
Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

**A0D0763-12 PDI-061SC-B-08-9.9-200428 [Sediment] Sampled 04/28/20
13:40 (GMT-08:00) Pacific Time (US & Canada) 4 Containers**

Dry Weight				
Dry Weight	05/04/20 17:00	3	10/25/20 13:40	Use Results from TS.. Make NR once completed.
Metals				
As (Arsenic) - 6020 - Total	05/12/20 17:00	10	10/25/20 13:40	
Sample Control				
Archive Samples - Frozen	05/12/20 17:00	10	04/29/20 13:40	
Sample Subsampling	04/30/20 17:00	1	08/05/20 13:40	Subsampled from A to B container
Semivols (Scan)				
8270D LL PAH Only (Scan)	05/12/20 17:00	10	05/12/20 13:40	
Volatiles				
8260C BTEX+Halo6	05/12/20 17:00	10	04/30/20 13:40	
Wet Chem				
Solids, Total (SM 2540 G,B)	05/12/20 17:00	10	10/25/20 13:40	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	05/12/20 17:00	10	05/26/20 13:40	

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A000763

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20200428-144702
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-061SC-A-03-04-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
002	PDI-061SC-A-04-05-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
003	PDI-061SC-A-05-06-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
004	PDI-061SC-A-06-07-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: Lucas Henry	Print Name: Charles Hoffmann	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Apex	Company:	Company:	Company:	Company:
Date/Time: 4/29/2020/1500	Date/Time: 4/29/20 1313	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A000763

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20200428-144702
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
005	PDI-061SC-A-07-08-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
006	PDI-061SC-A-08-09-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
007	PDI-061SC-A-09-9-9-200428	N	SE	04/28/2020	13:57	1	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
008	PDI-061SC-B-00-02-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								LR Pesticides	SW8081B	30	4°C
								Arsenic	SW6020A	30	4°C
								PAH	SW8270D	30	4°C
								PCB Aroclors	SW8082A	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: Lucas Henry	Print Name: Charles Hoffman	Print Name:	Print Name:	Print Name:	Print Name:
Company: A02	Company: Apex	Company:	Company:	Company:	Company:
Date/Time: 4/29/2020 1500	Date/Time: 4/29/20 1515	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A000763

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20200428-144702
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
008	PDI-061SC-B-00-02-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	Total solids (APEX) VOCs (QAPP 3/4b)	SM2540G SW8260C	30 30	4°C MeOH
009	PDI-061SC-B-02-04-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC LR Pesticides Arsenic PAH PCB Aroclors Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SW8081B SW6020A SW8270D SW8082A SM2540G SW8260C	30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C MeOH
010	PDI-061SC-B-04-06-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC LR Pesticides Arsenic PAH PCB Aroclors Total solids (APEX) VOCs (QAPP 3/4b)	SM5310B SW8081B SW6020A SW8270D SW8082A SM2540G SW8260C	30 30 30 30 30 30 30	4°C 4°C 4°C 4°C 4°C 4°C MeOH
011	PDI-061SC-B-06-08-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC LR Pesticides Arsenic PAH	SM5310B SW8081B SW6020A SW8270D	30 30 30 30	4°C 4°C 4°C 4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: Lucas Henry	Print Name: Charles Hoffman	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Apex	Company:	Company:	Company:	Company:
Date/Time: 4/28/2020 1500	Date/Time: 4/29/20 1515	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A000763

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX-20200428-144702
Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
011	PDI-061SC-B-06-08-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP 3/4b)	SW8260C	30	MeOH
012	PDI-061SC-B-08-9-9-200428	N	SE	04/28/2020	13:40	3	<input type="checkbox"/>	TOC	SM5310B	30	4°C
								Arsenic	SW6020A	30	4°C
								PAH	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP 3/4b)	SW8260C	30	MeOH

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature <i>[Signature]</i>	Signature <i>[Signature]</i>	Signature	Signature	Signature	Signature
Print Name Lucas Henry	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company Aq	Company Apex	Company	Company	Company	Company
Date/Time 4/29/2020/1500	Date/Time 4/29/20 1515	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 4/28/2020

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

APEX LABS COOLER RECEIPT FORM

Client: Anchor Element WO#: A0 D0763

Project/Project #: Gasco POI

Delivery Info:

Date/time received: 4/29/20 @ 1515 By: CFH

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

Cooler Inspection Date/time inspected: 4/29/20 @ 1609 By: CFH

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>5.0</u>	<u>3.3</u>	<u>5.8</u>				
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>	<u>Real</u>				
Condition:	<u>Good</u>	<u>Good</u>	<u>Good</u>				

Cooler out of temp? (Y/N) Possible reason why: _____
If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA
Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 4/30/20 @ 1134 By: SO

All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: _____

COC/container discrepancies form initiated? Yes No NA

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

Do VOA vials have visible headspace? Yes No NA

Comments: _____

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

Comments: _____

Additional information: _____

Labeled by: [Signature] Witness: [Signature] Cooler Inspected by: CFH See Project Contact Form: Y

CLP-Like Forms

Apex Laboratories

SDG: Gasco PreRD_DG 2019
CLASS: GCMS
METHOD: 5035A/8260C

ANALYSES DATA PACKAGE COVER PAGE

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>
<u>PDI-061SC-B-08-9-9-200428</u>	<u>A0D0763-12</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

6/12/2020 12:04PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Batch Matrix: Soil

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

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

ORGANIC ANALYSIS DATA SHEET

5035A/8260C

PDI-061SC-B-00-02-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-08</u>	File ID: <u>VF20050312.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>04/28/20 13:40</u>	Analyzed: <u>05/03/20 18:07</u>
Solids: <u>65.77</u>	Preparation: <u>EPA 5035A</u>	Initial/Final: <u>6.15 g / 5 mL</u>
Batch: <u>0050065</u>	Sequence: <u>0E03020</u>	Calibration: <u>A0D1705</u> Instrument: <u>VOA-GCMS6</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	17.0	J
108-88-3	Toluene	50	43.9	U
100-41-4	Ethylbenzene	50	22.0	U
179601-23-1	m,p-Xylene	50	43.9	U
95-47-6	o-Xylene	50	22.0	U
108-90-7	Chlorobenzene	50	22.0	U
75-35-4	1,1-Dichloroethene	50	22.0	U
156-59-2	cis-1,2-Dichloroethene	50	22.0	U
127-18-4	Tetrachloroethene (PCE)	50	22.0	U
79-01-6	Trichloroethene (TCE)	50	22.0	U
75-01-4	Vinyl chloride	50	22.0	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	48.9	98	80 - 120	
Toluene-d8 (Surr)	50.0	48.9	98	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.8	100	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	142923	6.021	144387	6.021	
Chlorobenzene-d5 (ISTD)	374428	9.738	374164	9.744	
1,4-Dichlorobenzene-d4 (ISTD)	178290	11.696	175819	11.696	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260C

PDI-061SC-B-02-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-09</u>	File ID: <u>VF20050313.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>04/28/20 13:40</u>	Analyzed: <u>05/03/20 18:34</u>
Solids: <u>65.04</u>	Preparation: <u>EPA 5035A</u>	Initial/Final: <u>6.52 g / 5 mL</u>
Batch: <u>0050065</u>	Sequence: <u>0E03020</u>	Calibration: <u>A0D1705</u>
		Instrument: <u>VOA-GCMS6</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	8.58	U
108-88-3	Toluene	50	42.9	U
100-41-4	Ethylbenzene	50	21.5	U
179601-23-1	m,p-Xylene	50	42.9	U
95-47-6	o-Xylene	50	21.5	U
108-90-7	Chlorobenzene	50	21.5	U
75-35-4	1,1-Dichloroethene	50	21.5	U
156-59-2	cis-1,2-Dichloroethene	50	21.5	U
127-18-4	Tetrachloroethene (PCE)	50	21.5	U
79-01-6	Trichloroethene (TCE)	50	21.5	U
75-01-4	Vinyl chloride	50	21.5	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	48.7	97	80 - 120	
Toluene-d8 (Surr)	50.0	49.1	98	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.6	99	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	139249	6.016	144387	6.021	
Chlorobenzene-d5 (ISTD)	365510	9.739	374164	9.744	
1,4-Dichlorobenzene-d4 (ISTD)	173626	11.698	175819	11.696	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260C

PDI-061SC-B-04-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-10</u>	File ID: <u>VF20050314.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>04/28/20 13:40</u>	Analyzed: <u>05/03/20 19:01</u>
Solids: <u>69.09</u>	Preparation: <u>EPA 5035A</u>	Initial/Final: <u>5.7 g / 5 mL</u>
Batch: <u>0050065</u>	Sequence: <u>0E03020</u>	Calibration: <u>A0D1705</u>
		Instrument: <u>VOA-GCMS6</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	8.58	U
108-88-3	Toluene	50	42.9	U
100-41-4	Ethylbenzene	50	21.5	U
179601-23-1	m,p-Xylene	50	42.9	U
95-47-6	o-Xylene	50	21.5	U
108-90-7	Chlorobenzene	50	21.5	U
75-35-4	1,1-Dichloroethene	50	21.5	U
156-59-2	cis-1,2-Dichloroethene	50	21.5	U
127-18-4	Tetrachloroethene (PCE)	50	21.5	U
79-01-6	Trichloroethene (TCE)	50	21.5	U
75-01-4	Vinyl chloride	50	21.5	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	49.3	99	80 - 120	
Toluene-d8 (Surr)	50.0	49.3	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.5	99	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	134596	6.021	144387	6.021	
Chlorobenzene-d5 (ISTD)	352813	9.738	374164	9.744	
1,4-Dichlorobenzene-d4 (ISTD)	171564	11.697	175819	11.696	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260C

PDI-061SC-B-06-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-11</u>	File ID: <u>VF20050315.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>04/28/20 13:40</u>	Analyzed: <u>05/03/20 19:29</u>
Solids: <u>69.64</u>	Preparation: <u>EPA 5035A</u>	Initial/Final: <u>4.27 g / 5 mL</u>
Batch: <u>0050065</u>	Sequence: <u>0E03020</u>	Calibration: <u>A0D1705</u>
		Instrument: <u>VOA-GCMS6</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	10.9	J
108-88-3	Toluene	50	52.9	U
100-41-4	Ethylbenzene	50	26.5	U
179601-23-1	m,p-Xylene	50	52.9	U
95-47-6	o-Xylene	50	26.5	U
108-90-7	Chlorobenzene	50	26.5	U
75-35-4	1,1-Dichloroethene	50	26.5	U
156-59-2	cis-1,2-Dichloroethene	50	26.5	U
127-18-4	Tetrachloroethene (PCE)	50	26.5	U
79-01-6	Trichloroethene (TCE)	50	26.5	U
75-01-4	Vinyl chloride	50	26.5	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	49.0	98	80 - 120	
Toluene-d8 (Surr)	50.0	49.2	98	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.3	99	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	134123	6.017	144387	6.021	
Chlorobenzene-d5 (ISTD)	353835	9.74	374164	9.744	
1,4-Dichlorobenzene-d4 (ISTD)	170690	11.699	175819	11.696	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260C

PDI-061SC-B-08-9.9-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-12</u>	File ID: <u>VF20050316.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>04/28/20 13:40</u>	Analyzed: <u>05/03/20 19:56</u>
Solids: <u>67.52</u>	Preparation: <u>EPA 5035A</u>	Initial/Final: <u>6.45 g / 5 mL</u>
Batch: <u>0050065</u>	Sequence: <u>0E03020</u>	Calibration: <u>A0D1705</u>
		Instrument: <u>VOA-GCMS6</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	8.15	U
108-88-3	Toluene	50	40.7	U
100-41-4	Ethylbenzene	50	20.4	U
179601-23-1	m,p-Xylene	50	40.7	U
95-47-6	o-Xylene	50	20.4	U
108-90-7	Chlorobenzene	50	20.4	U
75-35-4	1,1-Dichloroethene	50	20.4	U
156-59-2	cis-1,2-Dichloroethene	50	20.4	U
127-18-4	Tetrachloroethene (PCE)	50	20.4	U
79-01-6	Trichloroethene (TCE)	50	20.4	U
75-01-4	Vinyl chloride	50	20.4	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	49.1	98	80 - 120	
Toluene-d8 (Surr)	50.0	49.3	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.5	99	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	130594	6.02	144387	6.021	
Chlorobenzene-d5 (ISTD)	341559	9.743	374164	9.744	
1,4-Dichlorobenzene-d4 (ISTD)	161567	11.695	175819	11.696	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0050065 Batch Matrix: Soil

Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050065-BLK1	VF20050305.D	05/03/20 09:00	
LCS	0050065-BS1	VF20050303.D	05/03/20 09:00	
PDI-061SC-B-00-02-200428	A0D0763-08	VF20050312.D	04/28/20 13:40	
PDI-061SC-B-02-04-200428	A0D0763-09	VF20050313.D	04/28/20 13:40	
PDI-061SC-B-04-06-200428	A0D0763-10	VF20050314.D	04/28/20 13:40	
PDI-061SC-B-06-08-200428	A0D0763-11	VF20050315.D	04/28/20 13:40	
PDI-061SC-B-08-9.9-200428	A0D0763-12	VF20050316.D	04/28/20 13:40	

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

5035A/8260C

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Matrix: <u>Soil</u>	Laboratory ID: <u>0050065-BLK1</u>
Prepared: <u>05/03/20 09:00</u>	Preparation: <u>EPA 5035A</u>
Analyzed: <u>05/03/20 14:57</u>	Instrument: <u>VOA-GCMS6</u>
Batch: <u>0050065</u>	Sequence: <u>0E03020</u>
	File ID: <u>VF20050305.D</u>
	Initial/Final: <u>7.5 g / 5 mL</u>
	Calibration: <u>A0D1705</u>

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

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	48.7	97	80 - 120	
Toluene-d8 (Surr)	50.0	49.8	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.6	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	149223	6.022	144387	6.021	
Chlorobenzene-d5 (ISTD)	384329	9.739	374164	9.744	
1,4-Dichlorobenzene-d4 (ISTD)	175699	11.698	175819	11.696	

LCS / LCS DUPLICATE RECOVERY

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Soil

Batch: 0050065

Laboratory ID: 0050065-BS1

Preparation: EPA 5035A

Initial/Final: 5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Benzene	1000	1000	100	80 - 120
Toluene	1000	992	99	80 - 120
Ethylbenzene	1000	1040	104	80 - 120
m,p-Xylene	2000	2090	105	80 - 120
o-Xylene	1000	1070	107	80 - 120
Chlorobenzene	1000	1010	101	80 - 120
1,1-Dichloroethene	1000	1050	105	80 - 120
cis-1,2-Dichloroethene	1000	1030	103	80 - 120
Tetrachloroethene (PCE)	1000	1050	105	80 - 120
Trichloroethene (TCE)	1000	1000	100	80 - 120
Vinyl chloride	1000	1110	111	80 - 120

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

5035A/8260C

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0D15055</u>	Instrument: <u>VOA-GCMS6</u>
Matrix: <u>Soil</u>	Calibration: <u>A0D1705</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0D15055-TUN1	VF20041503.D	04/15/20 19:54
Initial Cal Blank	0D15055-ICB1	VF20041504.D	04/15/20 20:21
Cal Standard	0D15055-CAL1	VF20041505.D	04/15/20 20:48
Cal Standard	0D15055-CAL2	VF20041506.D	04/15/20 21:15
Cal Standard	0D15055-CAL3	VF20041507.D	04/15/20 21:42
Cal Standard	0D15055-CAL4	VF20041508.D	04/15/20 22:09
Cal Standard	0D15055-CAL5	VF20041509.D	04/15/20 22:36
Cal Standard	0D15055-CAL6	VF20041510.D	04/15/20 23:03
Cal Standard	0D15055-CAL7	VF20041511.D	04/15/20 23:30
Cal Standard	0D15055-CAL8	VF20041512.D	04/15/20 23:57
Cal Standard	0D15055-CAL9	VF20041513.D	04/16/20 00:25
Cal Standard	0D15055-CALA	VF20041515.D	04/16/20 01:19
Cal Standard	0D15055-CALB	VF20041517.D	04/16/20 02:13
Initial Cal Check	0D15055-ICV1	VF20041520.D	04/16/20 03:34

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

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E03020

Instrument: VOA-GCMS6

Matrix: Soil

Calibration: A0D1705

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E03020-TUN1	VF20050302.D	05/03/20 13:36
Calibration Check	0E03020-CCV1	VF20050303.D	05/03/20 14:03
Blank	0050065-BLK1	VF20050305.D	05/03/20 14:57
PDI-061SC-B-00-02-200428	A0D0763-08	VF20050312.D	05/03/20 18:07
PDI-061SC-B-02-04-200428	A0D0763-09	VF20050313.D	05/03/20 18:34
PDI-061SC-B-04-06-200428	A0D0763-10	VF20050314.D	05/03/20 19:01
PDI-061SC-B-06-08-200428	A0D0763-11	VF20050315.D	05/03/20 19:29
PDI-061SC-B-08-9.9-200428	A0D0763-12	VF20050316.D	05/03/20 19:56

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

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Lab File ID: VF20041503.D

Injection Date: 04/15/20

Instrument ID: VOA-GCMS6

Injection Time: 19:54

Sequence: 0D15055

Lab Sample ID: 0D15055-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	128.01	PASS
m/z 96	5 - 9% of m/z 95	6.95	PASS
m/z 173	Less than 2% of m/z 174	0.47	PASS
m/z 174	50 - 200% of m/z 95	78.12	PASS
m/z 175	5 - 9% of m/z 174	7.03	PASS
m/z 176	95 - 105% of m/z 174	96.07	PASS
m/z 177	5 - 10% of m/z 176	6.46	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: VF20050302.D

Injection Date: 05/03/20

Instrument ID: VOA-GCMS6

Injection Time: 13:36

Sequence: 0E03020

Lab Sample ID: 0E03020-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	119.62	PASS
m/z 96	5 - 9% of m/z 95	7.18	PASS
m/z 173	Less than 2% of m/z 174	0.41	PASS
m/z 174	50 - 200% of m/z 95	83.60	PASS
m/z 175	5 - 9% of m/z 174	7.12	PASS
m/z 176	95 - 105% of m/z 174	95.14	PASS
m/z 177	5 - 10% of m/z 176	6.64	PASS

INITIAL CALIBRATION DATA (Summary)

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D1705

Date: 04/17/20 16:10

Instrument: VOA-GCMS6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Benzene	4.983415	Ave	5.489383	5.928545	5.767012E-02			20	
Toluene	1.932563	Ave	7.96159	8.148637	3.168907E-02			20	
Ethylbenzene	1.88359	Ave	5.002599	9.784909	2.568956E-02			20	
m,p-Xylene	1.392114	Ave	8.570101	9.921091	1.230445E-02			20	
o-Xylene	1.369533	Ave	8.572709	10.30473	1.994162E-02			20	
Chlorobenzene	1.13703	Ave	7.326626	9.757909	0.0227085			20	
1,1-Dichloroethene	1.725421	Ave	9.943342	3.073182	0.1996924			20	
cis-1,2-Dichloroethene	1.674163	Ave	5.291941	5.066273	8.072652E-02			20	
Tetrachloroethene (PCE)	0.3858481	Ave	6.316381	8.5973	3.394118E-02			20	
Trichloroethene (TCE)	1.161771	Ave	5.924917	6.548727	5.175581E-02			20	
Vinyl chloride	1.535262	Ave	5.944871	1.900818	0.4006296			20	
1,4-Difluorobenzene (Surr)	3.099187	Ave	0.6078083	6.583818	3.012962E-02			20	
Toluene-d8 (Surr)	1.419083	Ave	3.468459	8.089455	1.743988E-02			20	
4-Bromofluorobenzene (Surr)	0.7911196	Ave	2.510525	10.81627	1.729477E-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

5035A/8260C

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Calibration: A0D1705

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te
 Instrument: VOA-GCMS6
 Calibration Date: 04/17/20 16:10

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	5.626879	0.2	5.250377	0.4	4.863985	1	4.770885	2	4.955867	5	4.57612
Toluene	0.1	2.307944	0.2	2.040267	0.4	1.985826	1	1.847395	2	1.925852	5	1.721941
Ethylbenzene	0.1	2.038359	0.2	1.844881	0.4	1.870495	1	1.741758	2	1.874914	5	1.7167
m,p-Xylene	0.2	1.598037	0.4	1.335009	0.8	1.299742	2	1.244614	4	1.320337	10	1.229743
o-Xylene	0.1	1.583061	0.2	1.296865	0.4	1.292657	1	1.225923	2	1.286643	5	1.21368
Xylenes, total	0.3	1.593045	0.6	1.322294	1.2	1.29738	3	1.238384	6	1.309106	15	1.224389
Chlorobenzene	0.1	1.34343	0.2	1.182436	0.4	1.194251	1	1.093418	2	1.113399	5	1.017752
1,1-Dichloroethene	0.1	2.185748	0.2	1.542874	0.4	1.669241	1	1.738462	2	1.676424	5	1.521484
cis-1,2-Dichloroethene	0.1	1.799789	0.2	1.791995	0.4	1.539143	1	1.59464	2	1.66722	5	1.537351
Tetrachloroethene (PCE)	0.1	θ	0.2	0.3479585	0.4	0.3700053	1	0.370981	2	0.400965	5	0.3541976
Trichloroethene (TCE)	0.1	1.105062	0.2	1.082314	0.4	1.174029	1	1.133628	2	1.132282	5	1.072922
Vinyl chloride	0.1	1.612903	0.2	1.450762	0.4	1.595798	1	1.522512	2	1.530287	5	1.333512
1,4-Difluorobenzene (Surr)	50	3.10455	50	3.102303	50	3.065292	50	3.097286	50	3.094058	50	3.099972
Toluene-d8 (Surr)	50	1.38154	50	1.405413	50	1.399316	50	1.423629	50	1.469035	50	1.440997
4-Bromofluorobenzene (Surr)	50	0.8107928	50	0.8063834	50	0.8047891	50	0.8169073	50	0.7981892	50	0.8022369

INITIAL CALIBRATION DATA (Continued)

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D1705

Instrument: VOA-GCMS6

Matrix:

Calibration Date: 04/17/20 16:10

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	4.916836	20	4.985353	50	4.853267	100	4.924545	200	5.093453		
Toluene	10	1.883442	20	1.99315	50	1.883464	100	1.802957	200	1.865951		
Ethylbenzene	10	1.883939	20	1.933242	50	1.916479	100	1.911127	200	1.987598		
m,p-Xylene	20	1.383261	40	1.449451	100	1.445825	200	1.460315	400	1.546922		
o-Xylene	10	1.367061	20	1.417476	50	1.433006	100	1.451772	200	1.496716		
Xylenes, total	30	1.377861	60	1.438792	150	1.441552	300	1.457467	600	1.530187		
Chlorobenzene	10	1.094581	20	1.114636	50	1.099523	100	1.106207	200	1.147699		
1,1-Dichloroethene	10	1.734954	20	1.742945	50	1.692487	100	1.733798	200	1.741217		
cis-1,2-Dichloroethene	10	1.667281	20	1.701599	50	1.676131	100	1.705474	200	1.735168		
Tetrachloroethene (PCE)	10	0.3954669	20	0.4202271	50	0.4010334	100	0.3852927	200	0.4123535		
Trichloroethene (TCE)	10	1.180715	20	1.166387	50	1.191955	100	1.228935	200	1.311249		
Vinyl chloride	10	1.504156	20	1.506876	50	1.54444	100	1.65686	200	1.629781		
1,4-Difluorobenzene (Surr)	50	3.083744	50	3.091827	50	3.092734	50	3.121276	50	3.138014		
Toluene-d8 (Surr)	50	1.445881	50	1.504254	50	1.446453	50	1.351293	50	1.342099		
4-Bromofluorobenzene (Surr)	50	0.7907892	50	0.7619409	50	0.77886	50	0.7675037	50	0.7639232		

SECOND-SOURCE CALIBRATION VERIFICATION

5035A/8260C

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: VOA-GCMS6 Calibration: A0D1705
Lab File ID: VF20041520.D
Sequence: 0D15055 Inject Date: 04/16/20
Lab Sample ID: 0D15055-ICV1 Inject Time: 03:34

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Benzene	20.0	19.5	-2.4	70 - 130
Toluene	20.0	18.9	-5.3	70 - 130
Ethylbenzene	20.0	19.8	-0.8	70 - 130
Xylenes, total	60.0	60.2	0.3	70 - 130
Chlorobenzene	20.0	19.5	-2.5	70 - 130
1,1-Dichloroethene	20.0	19.4	-3.0	70 - 130
cis-1,2-Dichloroethene	20.0	20.0	0.0	70 - 130
Tetrachloroethene (PCE)	20.0	19.9	-0.3	70 - 130
Trichloroethene (TCE)	20.0	19.5	-2.7	70 - 130
Vinyl chloride	20.0	20.5	2.6	70 - 130

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260C

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D15055</u>	Instrument: <u>VOA-GCMS6</u>
Matrix: <u>Soil</u>	Calibration: <u>A0D1705</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D15055-ICV1)			Lab File ID: VF20041520.D		Analyzed: 04/16/20 03:34			
1,4-Difluorobenzene (Surr)	50.0	100	70 - 130	6.579	6.583818	-0.0048	+/-1.0	
Toluene-d8 (Surr)	50.0	99	70 - 130	8.088	8.089455	-0.0015	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	100	70 - 130	10.819	10.81627	0.0027	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260C

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E03020</u>	Instrument: <u>VOA-GCMS6</u>
Matrix: <u>Soil</u>	Calibration: <u>A0D1705</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (0050065-BS1) Lab File ID: VF20050303.D Analyzed: 05/03/20 14:03								
1,4-Difluorobenzene (Surr)	50.0	98	80 - 120	6.586	6.583818	0.0022	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.089	8.089455	-0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.814	10.81627	-0.0023	+/-1.0	
Blank (0050065-BLK1) Lab File ID: VF20050305.D Analyzed: 05/03/20 14:57								
1,4-Difluorobenzene (Surr)	50.0	97	80 - 120	6.581	6.583818	-0.0028	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.084	8.089455	-0.0055	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.816	10.81627	-0.0003	+/-1.0	
PDI-061SC-B-00-02-200428 (A0D0763-08) Lab File ID: VF20050312.D Analyzed: 05/03/20 18:07								
1,4-Difluorobenzene (Surr)	50.0	98	80 - 120	6.58	6.583818	-0.0038	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.089	8.089455	-0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	100	79 - 120	10.814	10.81627	-0.0023	+/-1.0	
PDI-061SC-B-02-04-200428 (A0D0763-09) Lab File ID: VF20050313.D Analyzed: 05/03/20 18:34								
1,4-Difluorobenzene (Surr)	50.0	97	80 - 120	6.581	6.583818	-0.0028	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.084	8.089455	-0.0055	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	79 - 120	10.815	10.81627	-0.0013	+/-1.0	
PDI-061SC-B-04-06-200428 (A0D0763-10) Lab File ID: VF20050314.D Analyzed: 05/03/20 19:01								
1,4-Difluorobenzene (Surr)	50.0	99	80 - 120	6.581	6.583818	-0.0028	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.084	8.089455	-0.0055	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	79 - 120	10.815	10.81627	-0.0013	+/-1.0	
PDI-061SC-B-06-08-200428 (A0D0763-11) Lab File ID: VF20050315.D Analyzed: 05/03/20 19:29								
1,4-Difluorobenzene (Surr)	50.0	98	80 - 120	6.582	6.583818	-0.0018	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.085	8.089455	-0.0045	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	79 - 120	10.816	10.81627	-0.0003	+/-1.0	
PDI-061SC-B-08-9.9-200428 (A0D0763-12) Lab File ID: VF20050316.D Analyzed: 05/03/20 19:56								
1,4-Difluorobenzene (Surr)	50.0	98	80 - 120	6.579	6.583818	-0.0048	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.088	8.089455	-0.0015	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	79 - 120	10.813	10.81627	-0.0033	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260C

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0E03020
 Matrix: Soil

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: VOA-GCMS6
 Calibration: A0D1705

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (0050065-BS1) Lab File ID: VF20050303.D Analyzed: 05/03/20 14:03									
Pentafluorobenzene (ISTD)	144387	6.021	144387	6.021	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	374164	9.744	374164	9.744	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	175819	11.696	175819	11.696	100	50 - 200	0.0000	+/-0.50	
Calibration Check (0E03020-CCV1) Lab File ID: VF20050303.D Analyzed: 05/03/20 14:03									
Pentafluorobenzene (ISTD)	144387	6.021	112647	6.02	128	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	374164	9.744	272793	9.743	137	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	175819	11.696	127733	11.702	138	50 - 200	-0.0060	+/-0.50	
Blank (0050065-BLK1) Lab File ID: VF20050305.D Analyzed: 05/03/20 14:57									
Pentafluorobenzene (ISTD)	149223	6.022	144387	6.021	103	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	384329	9.739	374164	9.744	103	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	175699	11.698	175819	11.696	100	50 - 200	0.0020	+/-0.50	
PDI-061SC-B-00-02-200428 (A0D0763-08) Lab File ID: VF20050312.D Analyzed: 05/03/20 18:07									
Pentafluorobenzene (ISTD)	142923	6.021	144387	6.021	99	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	374428	9.738	374164	9.744	100	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	178290	11.696	175819	11.696	101	50 - 200	0.0000	+/-0.50	
PDI-061SC-B-02-04-200428 (A0D0763-09) Lab File ID: VF20050313.D Analyzed: 05/03/20 18:34									
Pentafluorobenzene (ISTD)	139249	6.016	144387	6.021	96	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5 (ISTD)	365510	9.739	374164	9.744	98	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	173626	11.698	175819	11.696	99	50 - 200	0.0020	+/-0.50	
PDI-061SC-B-04-06-200428 (A0D0763-10) Lab File ID: VF20050314.D Analyzed: 05/03/20 19:01									
Pentafluorobenzene (ISTD)	134596	6.021	144387	6.021	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	352813	9.738	374164	9.744	94	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	171564	11.697	175819	11.696	98	50 - 200	0.0010	+/-0.50	
PDI-061SC-B-06-08-200428 (A0D0763-11) Lab File ID: VF20050315.D Analyzed: 05/03/20 19:29									
Pentafluorobenzene (ISTD)	134123	6.017	144387	6.021	93	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5 (ISTD)	353835	9.74	374164	9.744	95	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	170690	11.699	175819	11.696	97	50 - 200	0.0030	+/-0.50	
PDI-061SC-B-08-9.9-200428 (A0D0763-12) Lab File ID: VF20050316.D Analyzed: 05/03/20 19:56									
Pentafluorobenzene (ISTD)	130594	6.02	144387	6.021	90	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	341559	9.743	374164	9.744	91	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	161567	11.695	175819	11.696	92	50 - 200	-0.0010	+/-0.50	
Matrix Spike (0050065-MS1) Lab File ID: VF20050324.D Analyzed: 05/03/20 23:32									
Pentafluorobenzene (ISTD)	136407	6.019	144387	6.021	94	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5 (ISTD)	358810	9.742	374164	9.744	96	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	177650	11.695	175819	11.696	101	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0E03020

Instrument: VOA-GCMS6

Matrix: Soil

Calibration: A0D1705

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (0050065-MSD1)			Lab File ID: VF20050325.D			Analyzed: 05/03/20 23:59			
Pentafluorobenzene (ISTD)	137977	6.02	144387	6.021	96	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	359243	9.743	374164	9.744	96	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	178125	11.696	175819	11.696	101	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY

5035A/8260C

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	04/28/20 13:40	0.00	2.00	05/03/20 18:07	5.19	14.00	
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	04/28/20 13:40	0.00	2.00	05/03/20 18:34	5.20	14.00	
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	04/28/20 13:40	0.00	2.00	05/03/20 19:01	5.22	14.00	
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	04/28/20 13:40	0.00	2.00	05/03/20 19:29	5.24	14.00	
PDI-061SC-B-08-9.9-200428	04/28/20 13:40	04/29/20 15:15	04/28/20 13:40	0.00	2.00	05/03/20 19:56	5.26	14.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-A-03-04-200428</u>	<u>A0D0763-01</u>	<u>SE</u>
<u>PDI-061SC-A-04-05-200428</u>	<u>A0D0763-02</u>	<u>SE</u>
<u>PDI-061SC-A-05-06-200428</u>	<u>A0D0763-03</u>	<u>SE</u>
<u>PDI-061SC-A-06-07-200428</u>	<u>A0D0763-04</u>	<u>SE</u>
<u>PDI-061SC-A-07-08-200428</u>	<u>A0D0763-05</u>	<u>SE</u>
<u>PDI-061SC-A-08-09-200428</u>	<u>A0D0763-06</u>	<u>SE</u>
<u>PDI-061SC-A-09-9.9-200428</u>	<u>A0D0763-07</u>	<u>SE</u>
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

6/12/2020 12:04PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b, DOC-CAP

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Aroclor 1016	0.670	1.33	ug/kg
Aroclor 1221	0.670	1.33	ug/kg
Aroclor 1232	0.670	1.33	ug/kg
Aroclor 1242	0.670	1.33	ug/kg
Aroclor 1248	0.670	1.33	ug/kg
Aroclor 1254	0.670	1.33	ug/kg
Aroclor 1260	0.670	1.33	ug/kg
Aroclor 1262	0.670	1.33	ug/kg
Aroclor 1268	0.670	1.33	ug/kg

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

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-03-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-01RE1</u>	File ID: <u>ECD6R012.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:29</u>	Analyzed: <u>05/18/20 14:55</u>
Solids: <u>65.13</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.11 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u>
		Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.02	U
11104-28-2	Aroclor 1221	1	1.02	U
11141-16-5	Aroclor 1232	1	1.02	U
53469-21-9	Aroclor 1242	1	1.02	U
12672-29-6	Aroclor 1248	1	1.02	U
11097-69-1	Aroclor 1254	1	1.02	U
11096-82-5	Aroclor 1260	1	1.02	U
37324-23-5	Aroclor 1262	1	1.02	U
11100-14-4	Aroclor 1268	1	1.02	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	25.5	18.6	73	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-04-05-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-02RE1</u>	File ID: <u>ECD6R014.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:29</u>	Analyzed: <u>05/18/20 15:30</u>
Solids: <u>.66.23</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.01 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u>
		Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.01	U
11104-28-2	Aroclor 1221	1	1.01	U
11141-16-5	Aroclor 1232	1	1.01	U
53469-21-9	Aroclor 1242	1	1.01	U
12672-29-6	Aroclor 1248	1	1.01	U
11097-69-1	Aroclor 1254	1	1.01	U
11096-82-5	Aroclor 1260	1	1.01	U
37324-23-5	Aroclor 1262	1	1.01	U
11100-14-4	Aroclor 1268	1	1.01	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	25.2	17.7	71	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-05-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-03RE1</u>	File ID: <u>ECD6R016.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:29</u>	Analyzed: <u>05/18/20 16:06</u>
Solids: <u>68.94</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.28 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u> Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.963	U
11104-28-2	Aroclor 1221	1	0.963	U
11141-16-5	Aroclor 1232	1	0.963	U
53469-21-9	Aroclor 1242	1	0.963	U
12672-29-6	Aroclor 1248	1	0.963	U
11097-69-1	Aroclor 1254	1	0.963	U
11096-82-5	Aroclor 1260	1	0.963	U
37324-23-5	Aroclor 1262	1	0.963	U
11100-14-4	Aroclor 1268	1	0.963	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	24.0	16.8	70	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-06-07-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-04RE1</u>	File ID: <u>ECD6R020.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:29</u>	Analyzed: <u>05/18/20 17:17</u>
Solids: <u>72.09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.03 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u>
		Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.929	U
11104-28-2	Aroclor 1221	1	0.929	U
11141-16-5	Aroclor 1232	1	0.929	U
53469-21-9	Aroclor 1242	1	0.929	U
12672-29-6	Aroclor 1248	1	0.929	U
11097-69-1	Aroclor 1254	1	0.929	U
11096-82-5	Aroclor 1260	1	0.929	U
37324-23-5	Aroclor 1262	1	0.929	U
11100-14-4	Aroclor 1268	1	0.929	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	23.1	18.6	80	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-07-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-05RE1</u>	File ID: <u>ECD6R022.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:29</u>	Analyzed: <u>05/18/20 17:52</u>
Solids: <u>72.77</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.38 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u> Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.909	U
11104-28-2	Aroclor 1221	1	0.909	U
11141-16-5	Aroclor 1232	1	0.909	U
53469-21-9	Aroclor 1242	1	0.909	U
12672-29-6	Aroclor 1248	1	0.909	U
11097-69-1	Aroclor 1254	1	0.909	U
11096-82-5	Aroclor 1260	1	0.909	U
37324-23-5	Aroclor 1262	1	0.909	U
11100-14-4	Aroclor 1268	1	0.909	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	22.6	16.7	74	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-08-09-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-06</u>	File ID: <u>ECD2F006.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:31</u>	Analyzed: <u>05/14/20 10:01</u>
Solids: <u>68.15</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.23 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E14026</u>	Calibration: <u>A0D2707</u>
		Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.976	U
11104-28-2	Aroclor 1221	1	0.976	U
11141-16-5	Aroclor 1232	1	0.976	U
53469-21-9	Aroclor 1242	1	0.976	U
12672-29-6	Aroclor 1248	1	0.976	U
11097-69-1	Aroclor 1254	1	0.976	U
11096-82-5	Aroclor 1260	1	0.976	U
37324-23-5	Aroclor 1262	1	0.976	U
11100-14-4	Aroclor 1268	1	0.976	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	24.3	12.7	52	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-A-09-9.9-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-07</u>	File ID: <u>ECD6R024.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/12/20 07:31</u>	Analyzed: <u>05/18/20 18:28</u>
Solids: <u>72.73</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.5 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u> Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.906	U
11104-28-2	Aroclor 1221	1	0.906	U
11141-16-5	Aroclor 1232	1	0.906	U
53469-21-9	Aroclor 1242	1	0.906	U
12672-29-6	Aroclor 1248	1	0.906	U
11097-69-1	Aroclor 1254	1	0.906	U
11096-82-5	Aroclor 1260	1	0.906	U
37324-23-5	Aroclor 1262	1	0.906	U
11100-14-4	Aroclor 1268	1	0.906	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	22.5	17.1	76	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-B-00-02-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-08</u>	File ID: <u>ECD6R026.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/12/20 07:31</u>	Analyzed: <u>05/18/20 19:03</u>
Solids: <u>65.77</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.12 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u>
		Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.01	U
11104-28-2	Aroclor 1221	1	1.01	U
11141-16-5	Aroclor 1232	1	1.01	U
53469-21-9	Aroclor 1242	1	1.01	U
12672-29-6	Aroclor 1248	1	1.01	U
11097-69-1	Aroclor 1254	1	3.36	
11096-82-5	Aroclor 1260	1	1.23	J
37324-23-5	Aroclor 1262	1	1.01	U
11100-14-4	Aroclor 1268	1	1.01	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	25.2	17.5	69	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-B-02-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-09</u>	File ID: <u>ECD6R028.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/12/20 07:31</u>	Analyzed: <u>05/18/20 19:38</u>
Solids: <u>65.04</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.48 g / 2 mL</u>
Batch: <u>0050414</u>	Sequence: <u>0E18037</u>	Calibration: <u>A0C2703</u> Instrument: <u>DUALECD6R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.01	U
11104-28-2	Aroclor 1221	1	1.01	U
11141-16-5	Aroclor 1232	1	1.01	U
53469-21-9	Aroclor 1242	1	1.01	U
12672-29-6	Aroclor 1248	1	1.01	U
11097-69-1	Aroclor 1254	1	1.01	U
11096-82-5	Aroclor 1260	1	1.01	U
37324-23-5	Aroclor 1262	1	1.01	U
11100-14-4	Aroclor 1268	1	1.01	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	25.2	17.3	68	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-B-04-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-10</u>	File ID: <u>ECD2R012.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/12/20 12:53</u>	Analyzed: <u>05/13/20 10:21</u>
Solids: <u>69.09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.33 g / 2 mL</u>
Batch: <u>0050441</u>	Sequence: <u>0E13026</u>	Calibration: <u>A0D2706</u>
		Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.959	U
11104-28-2	Aroclor 1221	1	0.959	U
11141-16-5	Aroclor 1232	1	0.959	U
53469-21-9	Aroclor 1242	1	0.959	U
12672-29-6	Aroclor 1248	1	0.959	U
11097-69-1	Aroclor 1254	1	0.959	U
11096-82-5	Aroclor 1260	1	0.959	U
37324-23-5	Aroclor 1262	1	0.959	U
11100-14-4	Aroclor 1268	1	0.959	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	23.9	9.97	42	43 - 120	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-061SC-B-06-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-11RE1</u>	File ID: <u>ECD2F006.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/20/20 07:06</u>	Analyzed: <u>05/20/20 16:29</u>
Solids: <u>69.64</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.36 g / 2 mL</u>
Batch: <u>0050714</u>	Sequence: <u>0E20061</u>	Calibration: <u>A0D2707</u>
		Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.951	U
11104-28-2	Aroclor 1221	1	0.951	U
11141-16-5	Aroclor 1232	1	0.951	U
53469-21-9	Aroclor 1242	1	0.951	U
12672-29-6	Aroclor 1248	1	0.951	U
11097-69-1	Aroclor 1254	1	0.951	U
11096-82-5	Aroclor 1260	1	0.951	U
37324-23-5	Aroclor 1262	1	0.951	U
11100-14-4	Aroclor 1268	1	0.951	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	23.6	14.1	60	43 - 120	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc

Batch: 0050414

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050414-BLK1	ECD2F004.D	05/12/20 07:29	
LCS	0050414-BS1	ECD2F005.D	05/12/20 07:29	
PDI-061SC-A-08-09-200428 (Dup)	0050414-DUP1	ECD2F008.D	05/12/20 07:29	
PDI-061SC-A-03-04-200428	A0D0763-01RE1	ECD6R012.D	05/12/20 07:29	
PDI-061SC-A-04-05-200428	A0D0763-02RE1	ECD6R014.D	05/12/20 07:29	
PDI-061SC-A-05-06-200428	A0D0763-03RE1	ECD6R016.D	05/12/20 07:29	
PDI-061SC-A-06-07-200428	A0D0763-04RE1	ECD6R020.D	05/12/20 07:29	
PDI-061SC-A-07-08-200428	A0D0763-05RE1	ECD6R022.D	05/12/20 07:29	
PDI-061SC-A-08-09-200428	A0D0763-06	ECD2F006.D	05/12/20 07:31	
PDI-061SC-A-09-9.9-200428	A0D0763-07	ECD6R024.D	05/12/20 07:31	
PDI-061SC-B-00-02-200428	A0D0763-08	ECD6R026.D	05/12/20 07:31	
PDI-061SC-B-02-04-200428	A0D0763-09	ECD6R028.D	05/12/20 07:31	

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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0050441

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050441-BLK1	ECD2F004.D	05/12/20 12:53	
LCS	0050441-BS1	ECD2F005.D	05/12/20 12:53	
PDI-061SC-B-04-06-200428 (Dup)	0050441-DUP1	ECD2R014.D	05/12/20 12:53	
PDI-061SC-B-04-06-200428	A0D0763-10	ECD2R012.D	05/12/20 12:53	

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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0050714

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050714-BLK1	ECD2F004.D	05/20/20 07:06	
LCS	0050714-BS1	ECD2F005.D	05/20/20 07:06	
PDI-061SC-B-06-08-200428 (Dup)	0050714-DUP1	ECD2F008.D	05/20/20 07:06	
PDI-061SC-B-06-08-200428	A0D0763-11RE1	ECD2F006.D	05/20/20 07:06	

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: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050414-BLK1</u>	File ID: <u>ECD2F004.D</u>
Prepared: <u>05/12/20 07:29</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>
Analyzed: <u>05/14/20 09:26</u>	Instrument: <u>DUALECD2F</u>	
Batch: <u>0050414</u>	Sequence: <u>0E14026</u>	Calibration: <u>A0D2707</u>

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	0.648	U
11104-28-2	Aroclor 1221	0.648	U
11141-16-5	Aroclor 1232	0.648	U
53469-21-9	Aroclor 1242	0.648	U
12672-29-6	Aroclor 1248	0.648	U
11097-69-1	Aroclor 1254	0.648	U
11096-82-5	Aroclor 1260	0.648	U
37324-23-5	Aroclor 1262	0.648	U
11100-14-4	Aroclor 1268	0.648	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.1	12.5	77	43 - 120	

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050441-BLK1</u>	File ID: <u>ECD2F004.D</u>
Prepared: <u>05/12/20 12:53</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>
Analyzed: <u>05/13/20 07:59</u>	Instrument: <u>DUALECD2F</u>	
Batch: <u>0050441</u>	Sequence: <u>0E13025</u>	Calibration: <u>A0D2707</u>

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	0.648	U
11104-28-2	Aroclor 1221	0.648	U
11141-16-5	Aroclor 1232	0.648	U
53469-21-9	Aroclor 1242	0.648	U
12672-29-6	Aroclor 1248	0.648	U
11097-69-1	Aroclor 1254	0.648	U
11096-82-5	Aroclor 1260	0.648	U
37324-23-5	Aroclor 1262	0.648	U
11100-14-4	Aroclor 1268	0.648	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.1	13.2	82	43 - 120	

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>		
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050714-BLK1</u>	File ID: <u>ECD2F004.D</u>	
Prepared: <u>05/20/20 07:06</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>	
Analyzed: <u>05/20/20 15:54</u>	Instrument: <u>DUALECD2F</u>		
Batch: <u>0050714</u>	Sequence: <u>0E20061</u>	Calibration: <u>A0D2707</u>	

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	0.648	U
11104-28-2	Aroclor 1221	0.648	U
11141-16-5	Aroclor 1232	0.648	U
53469-21-9	Aroclor 1242	0.648	U
12672-29-6	Aroclor 1248	0.648	U
11097-69-1	Aroclor 1254	0.648	U
11096-82-5	Aroclor 1260	0.648	U
37324-23-5	Aroclor 1262	0.648	U
11100-14-4	Aroclor 1268	0.648	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	16.1	13.0	81	43 - 120	

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050414

Laboratory ID: 0050414-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	83.3	57.1	68	47 - 134
Aroclor 1260	83.3	65.7	79	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050441

Laboratory ID: 0050441-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	83.3	57.0	68	47 - 134
Aroclor 1260	83.3	69.7	84	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050714

Laboratory ID: 0050714-BS1

Preparation: EPA 3546

Initial/Final: 30 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Aroclor 1016	83.3	60.2	72	47 - 134
Aroclor 1260	83.3	68.2	82	53 - 140

* = Values outside of QC limits

DUPLICATES

PDI-061SC-A-08-09-200428

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0050414-DUP1

Batch: 0050414

Lab Source ID: A0D0763-06

Preparation: EPA 3546

Initial/Final: 30.26 g / 2 mL

Source Sample Name: PDI-061SC-A-08-09-200428

% Solids: 68.15

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Aroclor 1016	30	0.00		ND				EPA 8082A
Aroclor 1221	30	0.00		ND				EPA 8082A
Aroclor 1232	30	0.00		ND				EPA 8082A
Aroclor 1242	30	0.00		ND				EPA 8082A
Aroclor 1248	30	0.00		ND				EPA 8082A
Aroclor 1254	30	0.00		ND				EPA 8082A
Aroclor 1260	30	0.00		ND				EPA 8082A
Aroclor 1262	30	0.00		ND				EPA 8082A
Aroclor 1268	30	0.00		ND				EPA 8082A

* Values outside of QC limits

DUPLICATES

PDI-061SC-B-04-06-200428

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0050441-DUP1

Batch: 0050441

Lab Source ID: A0D0763-10

Preparation: EPA 3546

Initial/Final: 30.12 g / 2 mL

Source Sample Name: PDI-061SC-B-04-06-200428

% Solids: 69.09

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Aroclor 1016	30	0.00		ND				EPA 8082A
Aroclor 1221	30	0.00		ND				EPA 8082A
Aroclor 1232	30	0.00		ND				EPA 8082A
Aroclor 1242	30	0.00		ND				EPA 8082A
Aroclor 1248	30	0.00		ND				EPA 8082A
Aroclor 1254	30	0.00		ND				EPA 8082A
Aroclor 1260	30	0.00		ND				EPA 8082A
Aroclor 1262	30	0.00		ND				EPA 8082A
Aroclor 1268	30	0.00		ND				EPA 8082A

* Values outside of QC limits

DUPLICATES

PDI-061SC-B-06-08-200428

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0050714-DUP1

Batch: 0050714

Lab Source ID: A0D0763-11RE1

Preparation: EPA 3546

Initial/Final: 30.33 g / 2 mL

Source Sample Name: PDI-061SC-B-06-08-200428

% Solids: 69.64

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Aroclor 1016	30	0.00		ND				EPA 8082A
Aroclor 1221	30	0.00		ND				EPA 8082A
Aroclor 1232	30	0.00		ND				EPA 8082A
Aroclor 1242	30	0.00		ND				EPA 8082A
Aroclor 1248	30	0.00		ND				EPA 8082A
Aroclor 1254	30	0.00		ND				EPA 8082A
Aroclor 1260	30	0.00		ND				EPA 8082A
Aroclor 1262	30	0.00		ND				EPA 8082A
Aroclor 1268	30	0.00		ND				EPA 8082A

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0C26028

Instrument: DUALECD6R

Matrix: Water

Calibration: A0C2703

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0C26028-ICB1	ECD6R005.D	03/26/20 08:13
Cal Standard	0C26028-CAL1	ECD6R006.D	03/26/20 08:31
Cal Standard	0C26028-CAL2	ECD6R007.D	03/26/20 08:49
Cal Standard	0C26028-CAL3	ECD6R008.D	03/26/20 09:06
Cal Standard	0C26028-CAL4	ECD6R009.D	03/26/20 09:24
Cal Standard	0C26028-CAL5	ECD6R010.D	03/26/20 09:42
Cal Standard	0C26028-CAL6	ECD6R011.D	03/26/20 09:59
Cal Standard	0C26028-CAL7	ECD6R012.D	03/26/20 10:17
Initial Cal Check	0C26028-ICV1	ECD6R014.D	03/26/20 15:53
Cal Standard	0C26028-CAL8	ECD6R015.D	03/26/20 16:11
Cal Standard	0C26028-CAL9	ECD6R016.D	03/26/20 16:29
Cal Standard	0C26028-CALA	ECD6R017.D	03/26/20 16:46
Cal Standard	0C26028-CALB	ECD6R018.D	03/26/20 17:04
Cal Standard	0C26028-CALC	ECD6R019.D	03/26/20 17:22
Cal Standard	0C26028-CALD	ECD6R020.D	03/26/20 17:39
Cal Standard	0C26028-CALE	ECD6R021.D	03/26/20 17:57
Initial Cal Check	0C26028-ICV2	ECD6R022.D	03/26/20 18:15
Initial Cal Check	0C26028-ICV3	ECD6R023.D	03/26/20 18:33
Initial Cal Check	0C26028-ICV4	ECD6R024.D	03/26/20 18:50
Initial Cal Check	0C26028-ICV5	ECD6R025.D	03/26/20 19:08

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: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0D26012

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0D2707

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D26012-ICB1	ECD2F004.D	04/26/20 18:27
Cal Standard	0D26012-CAL1	ECD2F005.D	04/26/20 18:45
Cal Standard	0D26012-CAL2	ECD2F006.D	04/26/20 19:03
Cal Standard	0D26012-CAL3	ECD2F007.D	04/26/20 19:20
Cal Standard	0D26012-CAL4	ECD2F008.D	04/26/20 19:38
Cal Standard	0D26012-CAL5	ECD2F009.D	04/26/20 19:55
Cal Standard	0D26012-CAL6	ECD2F010.D	04/26/20 20:13
Cal Standard	0D26012-CAL7	ECD2F011.D	04/26/20 20:30
Initial Cal Check	0D26012-ICV1	ECD2F013.D	04/26/20 21:06
Cal Standard	0D26012-CAL8	ECD2F014.D	04/26/20 21:23
Cal Standard	0D26012-CAL9	ECD2F015.D	04/26/20 21:41
Cal Standard	0D26012-CALA	ECD2F016.D	04/26/20 21:58
Cal Standard	0D26012-CALB	ECD2F017.D	04/26/20 22:16
Cal Standard	0D26012-CALC	ECD2F018.D	04/26/20 22:33
Cal Standard	0D26012-CALD	ECD2F019.D	04/26/20 22:51
Cal Standard	0D26012-CALE	ECD2F020.D	04/26/20 23:08
Initial Cal Check	0D26012-ICV2	ECD2F021.D	04/26/20 23:26
Initial Cal Check	0D26012-ICV3	ECD2F022.D	04/26/20 23:43
Initial Cal Check	0D26012-ICV4	ECD2F023.D	04/27/20 00:01
Initial Cal Check	0D26012-ICV5	ECD2F024.D	04/27/20 00:18

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: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0D26013

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0D2706

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D26013-ICB1	ECD2R005.D	04/26/20 18:45
Cal Standard	0D26013-CAL1	ECD2R006.D	04/26/20 19:03
Cal Standard	0D26013-CAL2	ECD2R007.D	04/26/20 19:20
Cal Standard	0D26013-CAL3	ECD2R008.D	04/26/20 19:38
Cal Standard	0D26013-CAL4	ECD2R009.D	04/26/20 19:55
Cal Standard	0D26013-CAL5	ECD2R010.D	04/26/20 20:13
Cal Standard	0D26013-CAL6	ECD2R011.D	04/26/20 20:30
Cal Standard	0D26013-CAL7	ECD2R012.D	04/26/20 20:48
Initial Cal Check	0D26013-ICV1	ECD2R014.D	04/26/20 21:23
Cal Standard	0D26013-CAL8	ECD2R015.D	04/26/20 21:41
Cal Standard	0D26013-CAL9	ECD2R016.D	04/26/20 21:58
Cal Standard	0D26013-CALA	ECD2R017.D	04/26/20 22:16
Cal Standard	0D26013-CALB	ECD2R018.D	04/26/20 22:33
Cal Standard	0D26013-CALC	ECD2R019.D	04/26/20 22:51
Cal Standard	0D26013-CALD	ECD2R020.D	04/26/20 23:08
Cal Standard	0D26013-CALE	ECD2R021.D	04/26/20 23:26
Initial Cal Check	0D26013-ICV2	ECD2R022.D	04/26/20 23:43
Initial Cal Check	0D26013-ICV3	ECD2R023.D	04/27/20 00:01
Initial Cal Check	0D26013-ICV4	ECD2R024.D	04/27/20 00:18
Initial Cal Check	0D26013-ICV5	ECD2R025.D	04/27/20 00:36

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: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0E13025

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0D2707

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E13025-CCV1	ECD2F002.D	05/13/20 07:24
Calibration Blank	0E13025-CCB1	ECD2F003.D	05/13/20 07:42
Blank	0050441-BLK1	ECD2F004.D	05/13/20 07:59
LCS	0050441-BS1	ECD2F005.D	05/13/20 08:17
Calibration Check	0E13025-CCV2	ECD2F016.D	05/13/20 11:31
Calibration Blank	0E13025-CCB2	ECD2F017.D	05/13/20 11:49

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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E13026

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0D2706

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E13026-CCV1	ECD2R002.D	05/13/20 07:24
Calibration Blank	0E13026-CCB1	ECD2R003.D	05/13/20 07:42
PDI-061SC-B-04-06-200428	A0D0763-10	ECD2R012.D	05/13/20 10:21
PDI-061SC-B-04-06-200428 (Dup)	0050441-DUP1	ECD2R014.D	05/13/20 10:56
Calibration Check	0E13026-CCV2	ECD2R016.D	05/13/20 11:31
Calibration Blank	0E13026-CCB2	ECD2R017.D	05/13/20 11:49

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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0E14026

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A0D2707

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E14026-CCV1	ECD2F002.D	05/14/20 08:12
Calibration Blank	0E14026-CCB1	ECD2F003.D	05/14/20 08:29
Blank	0050414-BLK1	ECD2F004.D	05/14/20 09:26
LCS	0050414-BS1	ECD2F005.D	05/14/20 09:44
PDI-061SC-A-08-09-200428	A0D0763-06	ECD2F006.D	05/14/20 10:01
PDI-061SC-A-08-09-200428 (Dup)	0050414-DUP1	ECD2F008.D	05/14/20 10:36
Calibration Check	0E14026-CCV2	ECD2F016.D	05/14/20 12:58
Calibration Blank	0E14026-CCB2	ECD2F017.D	05/14/20 13:15

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: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E18037</u>	Instrument: <u>DUALECD6R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0C2703</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E18037-CCV1	ECD6R003.D	05/18/20 09:03
Calibration Blank	0E18037-CCB1	ECD6R004.D	05/18/20 09:21
PDI-061SC-A-03-04-200428	A0D0763-01RE1	ECD6R012.D	05/18/20 14:55
PDI-061SC-A-04-05-200428	A0D0763-02RE1	ECD6R014.D	05/18/20 15:30
PDI-061SC-A-05-06-200428	A0D0763-03RE1	ECD6R016.D	05/18/20 16:06
Calibration Check	0E18037-CCV2	ECD6R018.D	05/18/20 16:41
Calibration Blank	0E18037-CCB2	ECD6R019.D	05/18/20 16:59
PDI-061SC-A-06-07-200428	A0D0763-04RE1	ECD6R020.D	05/18/20 17:17
PDI-061SC-A-07-08-200428	A0D0763-05RE1	ECD6R022.D	05/18/20 17:52
PDI-061SC-A-09-9.9-200428	A0D0763-07	ECD6R024.D	05/18/20 18:28
PDI-061SC-B-00-02-200428	A0D0763-08	ECD6R026.D	05/18/20 19:03
PDI-061SC-B-02-04-200428	A0D0763-09	ECD6R028.D	05/18/20 19:38
Calibration Check	0E18037-CCV3	ECD6R030.D	05/18/20 20:14
Calibration Blank	0E18037-CCB3	ECD6R031.D	05/18/20 20:31

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: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E19027</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0E2004</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0E19027-ICB1	ECD2R004.D	05/19/20 08:17
Cal Standard	0E19027-CAL1	ECD2R005.D	05/19/20 08:34
Cal Standard	0E19027-CAL2	ECD2R006.D	05/19/20 08:52
Cal Standard	0E19027-CAL3	ECD2R007.D	05/19/20 09:09
Cal Standard	0E19027-CAL4	ECD2R008.D	05/19/20 09:27
Cal Standard	0E19027-CAL5	ECD2R009.D	05/19/20 09:45
Cal Standard	0E19027-CAL6	ECD2R010.D	05/19/20 10:02
Cal Standard	0E19027-CAL7	ECD2R011.D	05/19/20 10:20
Initial Cal Check	0E19027-ICV1	ECD2R013.D	05/19/20 10:55
Cal Standard	0E19027-CAL8	ECD2R014.D	05/19/20 11:13
Cal Standard	0E19027-CAL9	ECD2R015.D	05/19/20 11:30
Cal Standard	0E19027-CALA	ECD2R016.D	05/19/20 11:48
Cal Standard	0E19027-CALB	ECD2R017.D	05/19/20 12:06
Cal Standard	0E19027-CALC	ECD2R018.D	05/19/20 12:23
Cal Standard	0E19027-CALD	ECD2R019.D	05/19/20 12:41
Cal Standard	0E19027-CALE	ECD2R020.D	05/19/20 12:59
Initial Cal Check	0E19027-ICV2	ECD2R021.D	05/19/20 13:16
Initial Cal Check	0E19027-ICV3	ECD2R022.D	05/19/20 13:34
Initial Cal Check	0E19027-ICV4	ECD2R023.D	05/19/20 13:51
Initial Cal Check	0E19027-ICV5	ECD2R024.D	05/19/20 14:09

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: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E20061</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2707</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E20061-CCV1	ECD2F002.D	05/20/20 14:40
Calibration Blank	0E20061-CCB1	ECD2F003.D	05/20/20 14:57
Blank	0050714-BLK1	ECD2F004.D	05/20/20 15:54
LCS	0050714-BS1	ECD2F005.D	05/20/20 16:12
PDI-061SC-B-06-08-200428	A0D0763-11RE1	ECD2F006.D	05/20/20 16:29
PDI-061SC-B-06-08-200428 (Dup)	0050714-DUP1	ECD2F008.D	05/20/20 17:05
Calibration Check	0E20061-CCV2	ECD2F016.D	05/20/20 19:26
Calibration Blank	0E20061-CCB2	ECD2F017.D	05/20/20 19:43
Calibration Check	0E20061-CCV3	ECD2F028.D	05/20/20 22:57
Calibration Blank	0E20061-CCB3	ECD2F029.D	05/20/20 23:14

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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0C2703

Date: 03/27/20 12:16

Instrument: DUALECD6R

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 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	78054.57	Ave	5.784923	11.36529	1.808985E-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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0C2703

Instrument: DUALECD6R

Calibration Date: 03/27/20 12:16

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	6496.7	50	5616.82	100	5452.67	200	5368.965	500	4824.496	1000	4684.538
1016 (2)	20	9211.95	50	8510.44	100	8754.17	200	8377.82	500	8369.758	1000	8134.966
1016 (3)	20	4473.1	50	4132.4	100	4036.04	200	4056.87	500	3721.538	1000	3715.053
1016 (4)	20	5523.7	50	4813.16	100	4624.28	200	4318.625	500	4108.388	1000	3926.225
1016 (5)	20	5786.85	50	5201.76	100	4890.98	200	4796.85	500	4416.858	1000	4353.008
1016 (6)	20	5592.2	50	5009.74	100	4846.55	200	4715.56	500	4464.718	1000	4291.383
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	10532.8	50	9522.36	100	9303.09	200	9023.39	500	8866.274	1000	8800.369
1260 (2)	20	12201.1	50	11374.78	100	10819.04	200	10693.68	500	10697.41	1000	10586.27
1260 (3)	20	11795.2	50	11231.82	100	11239.73	200	10865.42	500	10986.02	1000	10792.98
1260 (4)	20	16288.65	50	15467.22	100	15170.57	200	15797.78	500	15671.99	1000	15918.29
1260 (5)	20	10340.9	50	9483.38	100	9187.74	200	9171.245	500	8797.718	1000	8918.793
1260 (6)	20	4219.25	50	3842.58	100	3660.25	200	3571.86	500	3349.668	1000	3405.025
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	77398.7	25	73802.36	50	77245.8	100	78164.17	250	72398.32	500	81720.55

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0C2703

Instrument: DUALECD6R

Matrix:

Calibration Date: 03/27/20 12:16

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	4462.945										
1016 (2)	1500	8062.827										
1016 (3)	1500	3733.251										
1016 (4)	1500	3866.288										
1016 (5)	1500	4281.548										
1016 (6)	1500	4192.008										
Aroclor 1016	1500	ϕ										
1254 (1)											500	7594.684
1254 (2)											500	11035.24
1254 (3)											500	12177.66
1254 (4)											500	8303.614
1254 (5)											500	8979.726
1254 (6)											500	2544.492
Aroclor 1254											500	ϕ
1260 (1)	1500	8727.453										
1260 (2)	1500	10525.61										
1260 (3)	1500	10755.25										
1260 (4)	1500	15978.64										
1260 (5)	1500	9020.36										
1260 (6)	1500	3354.959										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	85652.12			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0C2703

Instrument: DUALECD6R

Matrix:

Calibration Date: 03/27/20 12:16

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	8447.632										
1262 (2)	500	11472.01										
1262 (3)	500	8780.394										
1262 (4)	500	17807.44										
1262 (5)	500	10706.49										
1262 (6)	500	4783.976										
Aroclor 1262	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D2706

Date: 04/27/20 14:58

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 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	178938.9	Ave	9.510464	10.83643	0.0176902			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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D2706

Instrument: DUALECD2R

Calibration Date: 04/27/20 14:58

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	13684.65	50	12526.72	100	11797.29	200	11241.03	500	10654.99	1000	9966.342
1016 (2)	20	21821	50	21362.56	100	20810.97	200	20452.77	500	19397.59	1000	19092.37
1016 (3)	20	11026.85	50	10271.18	100	9500.64	200	9492.98	500	9056.076	1000	8572.321
1016 (4)	20	11008.15	50	9963.72	100	9235.27	200	9004.125	500	8357.63	1000	7862.715
1016 (5)	20	12020.8	50	10914.02	100	10352.97	200	9804.685	500	9405.512	1000	9071.307
1016 (6)	20	11473.1	50	10680.08	100	9770.86	200	9966.585	500	9456.222	1000	9123.133
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	20692.4	50	20037.56	100	18522.49	200	19316.78	500	18232.72	1000	18299.8
1260 (2)	20	24578.75	50	23802.46	100	22733.91	200	23412.88	500	22913.72	1000	22109.72
1260 (3)	20	24155.7	50	24298.68	100	23574.11	200	23332.29	500	22490.38	1000	22907.92
1260 (4)	20	35112.85	50	36978.48	100	35314.07	200	35460.68	500	35765.64	1000	36733.54
1260 (5)	20	20408.6	50	20989.6	100	20082.98	200	20173.07	500	20744.18	1000	19700.83
1260 (6)	20	8000.1	50	8104.06	100	8076.4	200	8111.745	500	7761.034	1000	7744.401
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	169481.1	25	169703	50	168052.1	100	171368.8	250	167167.8	500	198308.5

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D2706

Instrument: DUALECD2R

Matrix:

Calibration Date: 04/27/20 14:58

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	10227.66										
1016 (2)	1500	19850.44										
1016 (3)	1500	9019.32										
1016 (4)	1500	8195.047										
1016 (5)	1500	9164.986										
1016 (6)	1500	9281.693										
Aroclor 1016	1500	ϕ										
1254 (1)											500	16065.27
1254 (2)											500	25591.18
1254 (3)											500	27446.8
1254 (4)											500	20069.84
1254 (5)											500	19427.02
1254 (6)											500	5635.124
Aroclor 1254											500	ϕ
1260 (1)	1500	18791.74										
1260 (2)	1500	23241.13										
1260 (3)	1500	23715.99										
1260 (4)	1500	39774.86										
1260 (5)	1500	22272.58										
1260 (6)	1500	8118.993										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	208491.2			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D2706

Instrument: DUALECD2R

Matrix:

Calibration Date: 04/27/20 14:58

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	18133.95										
1262 (2)	500	24882.96										
1262 (3)	500	19793.61										
1262 (4)	500	40442										
1262 (5)	500	24036.32										
1262 (6)	500	10622.52										
Aroclor 1262	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D2707

Date: 04/27/20 15:51

Instrument: DUALECD2F

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 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	178176.5	Ave	3.216375	9.616572	1.425606E-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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D2707

Instrument: DUALECD2F

Calibration Date: 04/27/20 15:51

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	8034.35	50	7255.8	100	6603.59	200	6262.61	500	6014.552	1000	5732.342
1016 (2)	20	14648.85	50	13568.44	100	12946.31	200	12938.31	500	12358.11	1000	11802.82
1016 (3)	20	8485.7	50	7672.66	100	7148.84	200	7128.085	500	6599.542	1000	6246.643
1016 (4)	20	7188.1	50	6436.52	100	6066.4	200	5581.3	500	5507.146	1000	5057.141
1016 (5)	20	8448.4	50	7614.38	100	7286.67	200	6672.78	500	6632.606	1000	6232.395
1016 (6)	20	6103.45	50	5307.72	100	4870.54	200	4466.48	500	4489.428	1000	4196.029
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	15840.05	50	13833.42	100	13399.18	200	12957.43	500	12275.01	1000	11955.45
1260 (2)	20	19280.25	50	17409.4	100	16833	200	16471.89	500	15771.25	1000	15224.31
1260 (3)	20	13966.5	50	13034.1	100	12573.64	200	12320.5	500	11882	1000	11857.28
1260 (4)	20	29405	50	27316.48	100	27503.94	200	28455.63	500	26965.62	1000	28554.39
1260 (5)	20	20835.4	50	19350.56	100	19124.95	200	18714.88	500	18142.12	1000	17689.38
1260 (6)	20	8931.65	50	8477.72	100	7947.38	200	7670.66	500	7806.946	1000	7635.524
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	176375.7	25	180017	50	180873.3	100	180756.4	250	166889.3	500	185115.9

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D2707

Instrument: DUALECD2F

Matrix:

Calibration Date: 04/27/20 15:51

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	5870.76										
1016 (2)	1500	12419.15										
1016 (3)	1500	6643.539										
1016 (4)	1500	5239.086										
1016 (5)	1500	6380.213										
1016 (6)	1500	4337.272										
Aroclor 1016	1500	ϕ										
1254 (1)											500	10157.58
1254 (2)											500	12331.89
1254 (3)											500	18042.27
1254 (4)											500	12937.53
1254 (5)											500	12872.93
1254 (6)											500	4247.146
Aroclor 1254											500	ϕ
1260 (1)	1500	12575.91										
1260 (2)	1500	16302.34										
1260 (3)	1500	11835.95										
1260 (4)	1500	28833.28										
1260 (5)	1500	18703.22										
1260 (6)	1500	7742.207										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	177208.1			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D2707

Instrument: DUALECD2F

Matrix:

Calibration Date: 04/27/20 15:51

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	12733.87										
1262 (2)	500	17566.77										
1262 (3)	500	15180.13										
1262 (4)	500	31545.16										
1262 (5)	500	19396.5										
1262 (6)	500	10802.38										
Aroclor 1262	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0E2004

Date: 05/20/20 11:35

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 1262		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	171464.9	Ave	8.378646	10.69129	1.654371E-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 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0E2004

Instrument: DUALECD2R

Calibration Date: 05/20/20 11:35

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
1016 (1)	20	10645.2	50	9394.28	100	9011.67	200	9036.68	500	8149.592	1000	7575.181
1016 (2)	20	18038.05	50	15589.24	100	16396.14	200	16526.39	500	15587.85	1000	15231.29
1016 (3)	20	9305.2	50	8401.56	100	7677.58	200	7786.2	500	7615.758	1000	7288.961
1016 (4)	20	8931.75	50	7745.28	100	7252.06	200	7103.185	500	6682.554	1000	6315.529
1016 (5)	20	9893.95	50	8498.04	100	8514.25	200	8166.205	500	7712.81	1000	7318.587
1016 (6)	20	10216.1	50	8647.12	100	8465.2	200	8240.475	500	7843.56	1000	7486.577
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	18198.75	50	15978.22	100	15691.72	200	15894.18	500	15655.46	1000	14759.2
1260 (2)	20	22178.65	50	19840.7	100	19450.06	200	20330.7	500	19058.51	1000	18332.72
1260 (3)	20	21586.45	50	19771.84	100	19857.54	200	20582.16	500	20095.28	1000	19579.57
1260 (4)	20	33265.9	50	30248.12	100	30320.24	200	31448.18	500	31440.88	1000	32187.1
1260 (5)	20	19962.4	50	18023.16	100	18291.22	200	18181.84	500	17938.24	1000	18191.67
1260 (6)	20	7927.65	50	7066.56	100	7098.06	200	7274.83	500	7109.542	1000	6901.908
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	170873.8	25	159123.5	50	164715.4	100	167107.1	250	156229.7	500	188119.3

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0E2004

Instrument: DUALECD2R

Matrix:

Calibration Date: 05/20/20 11:35

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
1016 (1)	1500	7816.227										
1016 (2)	1500	15557.49										
1016 (3)	1500	7204.34										
1016 (4)	1500	6374.264										
1016 (5)	1500	7395.573										
1016 (6)	1500	7558.227										
Aroclor 1016	1500	ϕ										
1254 (1)											500	12885.04
1254 (2)											500	20446.82
1254 (3)											500	22751.06
1254 (4)											500	16607.93
1254 (5)											500	16806.93
1254 (6)											500	5049.496
Aroclor 1254											500	ϕ
1260 (1)	1500	15411.89										
1260 (2)	1500	19032.97										
1260 (3)	1500	20538.42										
1260 (4)	1500	34134.11										
1260 (5)	1500	18873.85										
1260 (6)	1500	7087.54										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	194085.2			200	ϕ	200	ϕ	200	ϕ	200	ϕ

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: AOE2004

Instrument: DUALECD2R

Matrix:

Calibration Date: 05/20/20 11:35

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	14745.34										
1262 (2)	500	19921.57										
1262 (3)	500	15587.13										
1262 (4)	500	35496.68										
1262 (5)	500	21252.28										
1262 (6)	500	9651.79										
Aroclor 1262	500	0										
Decachlorobiphenyl (Surr)	200	0	200	0								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD6R Calibration: A0C2703
Lab File ID: ECD6R014.D
Sequence: 0C26028 Inject Date: 03/26/20
Lab Sample ID: 0C26028-ICV1 Inject Time: 15:53

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	0.00		70 - 130
Aroclor 1260	500	0.00		70 - 130
Decachlorobiphenyl (Surr)	200	202	0.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD6R Calibration: A0C2703
Lab File ID: ECD6R022.D
Sequence: 0C26028 Inject Date: 03/26/20
Lab Sample ID: 0C26028-ICV2 Inject Time: 18:15

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	0.00		70 - 130
Aroclor 1254	500	0.00		70 - 130
Decachlorobiphenyl (Surr)	80.0	80.5	0.7	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD6R Calibration: A0C2703
Lab File ID: ECD6R023.D
Sequence: 0C26028 Inject Date: 03/26/20
Lab Sample ID: 0C26028-ICV3 Inject Time: 18:33

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	0.00		70 - 130
Aroclor 1262	500	0.00		70 - 130
Decachlorobiphenyl (Surr)	80.0	84.5	5.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD6R Calibration: A0C2703
Lab File ID: ECD6R024.D
Sequence: 0C26028 Inject Date: 03/26/20
Lab Sample ID: 0C26028-ICV4 Inject Time: 18:50

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	0.00		70 - 130
Aroclor 1268	500	0.00		70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>DUALECD6R</u>	Calibration: <u>A0C2703</u>
Lab File ID: <u>ECD6R025.D</u>	
Sequence: <u>0C26028</u>	Inject Date: <u>03/26/20</u>
Lab Sample ID: <u>0C26028-ICV5</u>	Inject Time: <u>19:08</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	0.00		70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0D2707
Lab File ID: ECD2F013.D
Sequence: 0D26012 Inject Date: 04/26/20
Lab Sample ID: 0D26012-ICV1 Inject Time: 21:06

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	454	-9.1	70 - 130
Aroclor 1260	500	463	-7.3	70 - 130
Decachlorobiphenyl (Surr)	200	198	-0.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0D2707
Lab File ID: ECD2F021.D
Sequence: 0D26012 Inject Date: 04/26/20
Lab Sample ID: 0D26012-ICV2 Inject Time: 23:26

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	965	-3.5	70 - 130
Aroclor 1254	500	504	0.9	70 - 130
Decachlorobiphenyl (Surr)	80.0	82.0	2.4	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0D2707
Lab File ID: ECD2F022.D
Sequence: 0D26012 Inject Date: 04/26/20
Lab Sample ID: 0D26012-ICV3 Inject Time: 23:43

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	515	3.0	70 - 130
Aroclor 1262	500	473	-5.5	70 - 130
Decachlorobiphenyl (Surr)	80.0	78.0	-2.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0D2707
Lab File ID: ECD2F023.D
Sequence: 0D26012 Inject Date: 04/27/20
Lab Sample ID: 0D26012-ICV4 Inject Time: 00:01

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	494	-1.3	70 - 130
Aroclor 1268	500	485	-2.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2F Calibration: A0D2707
Lab File ID: ECD2F024.D
Sequence: 0D26012 Inject Date: 04/27/20
Lab Sample ID: 0D26012-ICV5 Inject Time: 00:18

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	513	2.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0D2706
Lab File ID: ECD2R014.D
Sequence: 0D26013 Inject Date: 04/26/20
Lab Sample ID: 0D26013-ICV1 Inject Time: 21:23

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	464	-7.1	70 - 130
Aroclor 1260	500	481	-3.8	70 - 130
Decachlorobiphenyl (Surr)	200	201	0.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0D2706
Lab File ID: ECD2R022.D
Sequence: 0D26013 Inject Date: 04/26/20
Lab Sample ID: 0D26013-ICV2 Inject Time: 23:43

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	956	-4.4	70 - 130
Aroclor 1254	500	496	-0.8	70 - 130
Decachlorobiphenyl (Surr)	80.0	80.8	1.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0D2706
Lab File ID: ECD2R023.D
Sequence: 0D26013 Inject Date: 04/27/20
Lab Sample ID: 0D26013-ICV3 Inject Time: 00:01

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	520	4.0	70 - 130
Aroclor 1262	500	499	-0.2	70 - 130
Decachlorobiphenyl (Surr)	80.0	76.8	-4.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0D2706
Lab File ID: ECD2R024.D
Sequence: 0D26013 Inject Date: 04/27/20
Lab Sample ID: 0D26013-ICV4 Inject Time: 00:18

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	528	5.6	70 - 130
Aroclor 1268	500	499	-0.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0D2706</u>
Lab File ID: <u>ECD2R025.D</u>	
Sequence: <u>0D26013</u>	Inject Date: <u>04/27/20</u>
Lab Sample ID: <u>0D26013-ICV5</u>	Inject Time: <u>00:36</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	520	3.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0E2004
Lab File ID: ECD2R013.D
Sequence: 0E19027 Inject Date: 05/19/20
Lab Sample ID: 0E19027-ICV1 Inject Time: 10:55

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	474	-5.1	70 - 130
Aroclor 1260	500	493	-1.4	70 - 130
Decachlorobiphenyl (Surr)	200	194	-2.9	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0E2004
Lab File ID: ECD2R021.D
Sequence: 0E19027 Inject Date: 05/19/20
Lab Sample ID: 0E19027-ICV2 Inject Time: 13:16

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	953	-4.7	70 - 130
Aroclor 1254	500	496	-0.8	70 - 130
Decachlorobiphenyl (Surr)	80.0	78.6	-1.8	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0E2004
Lab File ID: ECD2R022.D
Sequence: 0E19027 Inject Date: 05/19/20
Lab Sample ID: 0E19027-ICV3 Inject Time: 13:34

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	507	1.3	70 - 130
Aroclor 1262	500	503	0.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	79.9	-0.1	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0E2004
Lab File ID: ECD2R023.D
Sequence: 0E19027 Inject Date: 05/19/20
Lab Sample ID: 0E19027-ICV4 Inject Time: 13:51

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	555	10.9	70 - 130
Aroclor 1268	500	523	4.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD2R Calibration: A0E2004
Lab File ID: ECD2R024.D
Sequence: 0E19027 Inject Date: 05/19/20
Lab Sample ID: 0E19027-ICV5 Inject Time: 14:09

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	517	3.4	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E13025</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13025-CCV1</u>	Injection Time: <u>07:24</u>

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	456				-8.9	20
Aroclor 1260	Ave	500	484				-3.1	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F016.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E13025</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13025-CCV2</u>	Injection Time: <u>11:31</u>

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	466				-6.7	20
Aroclor 1260	Ave	500	486				-2.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0D2706</u>
Lab File ID: <u>ECD2R002.D</u>	Calibration Date: <u>04/27/20 14:58</u>
Sequence: <u>0E13026</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13026-CCV1</u>	Injection Time: <u>07:24</u>

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	443				-11.3	20
Aroclor 1260	Ave	500	481				-3.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2R</u>	Calibration: <u>A0D2706</u>
Lab File ID: <u>ECD2R016.D</u>	Calibration Date: <u>04/27/20 14:58</u>
Sequence: <u>0E13026</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13026-CCV2</u>	Injection Time: <u>11:31</u>

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	460				-8.1	20
Aroclor 1260	Ave	500	494				-1.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E14026</u>	Injection Date: <u>05/14/20</u>
Lab Sample ID: <u>0E14026-CCV1</u>	Injection Time: <u>08:12</u>

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	452				-9.6	20
Aroclor 1260	Ave	500	461				-7.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F016.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E14026</u>	Injection Date: <u>05/14/20</u>
Lab Sample ID: <u>0E14026-CCV2</u>	Injection Time: <u>12:58</u>

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	457				-8.5	20
Aroclor 1260	Ave	500	404				-19.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD6R</u>	Calibration: <u>A0C2703</u>
Lab File ID: <u>ECD6R003.D</u>	Calibration Date: <u>03/27/20 12:16</u>
Sequence: <u>0E18037</u>	Injection Date: <u>05/18/20</u>
Lab Sample ID: <u>0E18037-CCV1</u>	Injection Time: <u>09:03</u>

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	538				7.6	20
Aroclor 1260	Ave	500	543				8.6	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD6R</u>	Calibration: <u>A0C2703</u>
Lab File ID: <u>ECD6R018.D</u>	Calibration Date: <u>03/27/20 12:16</u>
Sequence: <u>0E18037</u>	Injection Date: <u>05/18/20</u>
Lab Sample ID: <u>0E18037-CCV2</u>	Injection Time: <u>16:41</u>

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	522				4.3	20
Aroclor 1260	Ave	500	554				10.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD6R</u>	Calibration: <u>A0C2703</u>
Lab File ID: <u>ECD6R030.D</u>	Calibration Date: <u>03/27/20 12:16</u>
Sequence: <u>0E18037</u>	Injection Date: <u>05/18/20</u>
Lab Sample ID: <u>0E18037-CCV3</u>	Injection Time: <u>20:14</u>

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	537				7.4	20
Aroclor 1260	Ave	500	574				14.9	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E20061</u>	Injection Date: <u>05/20/20</u>
Lab Sample ID: <u>0E20061-CCV1</u>	Injection Time: <u>14:40</u>

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	451				-9.8	20
Aroclor 1260	Ave	500	440				-12.0	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F016.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E20061</u>	Injection Date: <u>05/20/20</u>
Lab Sample ID: <u>0E20061-CCV2</u>	Injection Time: <u>19:26</u>

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	457				-8.6	20
Aroclor 1260	Ave	500	433				-13.4	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD2F</u>	Calibration: <u>A0D2707</u>
Lab File ID: <u>ECD2F028.D</u>	Calibration Date: <u>04/27/20 15:51</u>
Sequence: <u>0E20061</u>	Injection Date: <u>05/20/20</u>
Lab Sample ID: <u>0E20061-CCV3</u>	Injection Time: <u>22:57</u>

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	477				-4.6	20
Aroclor 1260	Ave	500	486				-2.8	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0C26028</u>	Instrument: <u>DUALECD6R</u>
Matrix: <u>Water</u>	Calibration: <u>A0C2703</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0C26028-ICV1)			Lab File ID: ECD6R014.D		Analyzed: 03/26/20 15:53			
Decachlorobiphenyl (Surr)	200	101	70 - 130	11.373	11.36529	0.0077	+/-1.0	
Initial Cal Check (0C26028-ICV2)			Lab File ID: ECD6R022.D		Analyzed: 03/26/20 18:15			
Decachlorobiphenyl (Surr)	80.0	101	70 - 130	11.366	11.36529	0.0007	+/-1.0	
Initial Cal Check (0C26028-ICV3)			Lab File ID: ECD6R023.D		Analyzed: 03/26/20 18:33			
Decachlorobiphenyl (Surr)	80.0	106	70 - 130	11.362	11.36529	-0.0033	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D26012</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2707</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D26012-ICV1)			Lab File ID: ECD2F013.D		Analyzed: 04/26/20 21:06			
Decachlorobiphenyl (Surr)	200	99	70 - 130	9.617	9.616572	0.0004	+/-1.0	
Initial Cal Check (0D26012-ICV2)			Lab File ID: ECD2F021.D		Analyzed: 04/26/20 23:26			
Decachlorobiphenyl (Surr)	80.0	102	70 - 130	9.617	9.616572	0.0004	+/-1.0	
Initial Cal Check (0D26012-ICV3)			Lab File ID: ECD2F022.D		Analyzed: 04/26/20 23:43			
Decachlorobiphenyl (Surr)	80.0	97	70 - 130	9.615	9.616572	-0.0016	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D26013</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2706</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D26013-ICV1)			Lab File ID: ECD2R014.D		Analyzed: 04/26/20 21:23			
Decachlorobiphenyl (Surr)	200	100	70 - 130	10.835	10.83643	-0.0014	+/-1.0	
Initial Cal Check (0D26013-ICV2)			Lab File ID: ECD2R022.D		Analyzed: 04/26/20 23:43			
Decachlorobiphenyl (Surr)	80.0	101	70 - 130	10.833	10.83643	-0.0034	+/-1.0	
Initial Cal Check (0D26013-ICV3)			Lab File ID: ECD2R023.D		Analyzed: 04/27/20 00:01			
Decachlorobiphenyl (Surr)	80.0	96	70 - 130	10.835	10.83643	-0.0014	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E13025</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2707</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E13025-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 05/13/20 07:24			
Decachlorobiphenyl (Surr)	250	94	80 - 120	9.68	9.616572	0.0634	+/-1.0	
Calibration Blank (0E13025-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 05/13/20 07:42			
Decachlorobiphenyl (Surr)	100	89	43 - 120	9.679	9.616572	0.0624	+/-1.0	
Blank (0050441-BLK1)			Lab File ID: ECD2F004.D		Analyzed: 05/13/20 07:59			
Decachlorobiphenyl (Surr)	16.1	82	43 - 120	9.681	9.616572	0.0644	+/-1.0	
LCS (0050441-BS1)			Lab File ID: ECD2F005.D		Analyzed: 05/13/20 08:17			
Decachlorobiphenyl (Surr)	16.7	81	43 - 120	9.679	9.616572	0.0624	+/-1.0	
Calibration Check (0E13025-CCV2)			Lab File ID: ECD2F016.D		Analyzed: 05/13/20 11:31			
Decachlorobiphenyl (Surr)	250	94	80 - 120	9.687	9.616572	0.0704	+/-1.0	
Calibration Blank (0E13025-CCB2)			Lab File ID: ECD2F017.D		Analyzed: 05/13/20 11:49			
Decachlorobiphenyl (Surr)	100	92	43 - 120	9.687	9.616572	0.0704	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E13026</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2706</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E13026-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 05/13/20 07:24			
Decachlorobiphenyl (Surr)	250	100	80 - 120	10.826	10.83643	-0.0104	+/-1.0	
Calibration Blank (0E13026-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 05/13/20 07:42			
Decachlorobiphenyl (Surr)	100	89	43 - 120	10.823	10.83643	-0.0134	+/-1.0	
PDI-061SC-B-04-06-200428 (A0D0763-10)			Lab File ID: ECD2R012.D		Analyzed: 05/13/20 10:21			
Decachlorobiphenyl (Surr)	23.9	42	43 - 120	10.823	10.83643	-0.0134	+/-1.0	*
Duplicate (0050441-DUP1)			Lab File ID: ECD2R014.D		Analyzed: 05/13/20 10:56			
Decachlorobiphenyl (Surr)	24.0	60	43 - 120	10.823	10.83643	-0.0134	+/-1.0	
Calibration Check (0E13026-CCV2)			Lab File ID: ECD2R016.D		Analyzed: 05/13/20 11:31			
Decachlorobiphenyl (Surr)	250	105	80 - 120	10.824	10.83643	-0.0124	+/-1.0	
Calibration Blank (0E13026-CCB2)			Lab File ID: ECD2R017.D		Analyzed: 05/13/20 11:49			
Decachlorobiphenyl (Surr)	100	94	43 - 120	10.824	10.83643	-0.0124	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E14026</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2707</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E14026-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 05/14/20 08:12			
Decachlorobiphenyl (Surr)	250	93	80 - 120	9.584	9.616572	-0.0326	+/-1.0	
Calibration Blank (0E14026-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 05/14/20 08:29			
Decachlorobiphenyl (Surr)	100	86	43 - 120	9.582	9.616572	-0.0346	+/-1.0	
Blank (0050414-BLK1)			Lab File ID: ECD2F004.D		Analyzed: 05/14/20 09:26			
Decachlorobiphenyl (Surr)	16.1	77	43 - 120	9.591	9.616572	-0.0256	+/-1.0	
LCS (0050414-BS1)			Lab File ID: ECD2F005.D		Analyzed: 05/14/20 09:44			
Decachlorobiphenyl (Surr)	16.7	76	43 - 120	9.583	9.616572	-0.0336	+/-1.0	
PDI-061SC-A-08-09-200428 (A0D0763-06)			Lab File ID: ECD2F006.D		Analyzed: 05/14/20 10:01			
Decachlorobiphenyl (Surr)	24.3	52	43 - 120	9.582	9.616572	-0.0346	+/-1.0	
Duplicate (0050414-DUP1)			Lab File ID: ECD2F008.D		Analyzed: 05/14/20 10:36			
Decachlorobiphenyl (Surr)	24.2	58	43 - 120	9.581	9.616572	-0.0356	+/-1.0	
Calibration Check (0E14026-CCV2)			Lab File ID: ECD2F016.D		Analyzed: 05/14/20 12:58			
Decachlorobiphenyl (Surr)	250	81	80 - 120	9.582	9.616572	-0.0346	+/-1.0	
Calibration Blank (0E14026-CCB2)			Lab File ID: ECD2F017.D		Analyzed: 05/14/20 13:15			
Decachlorobiphenyl (Surr)	100	79	43 - 120	9.581	9.616572	-0.0356	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E18037</u>	Instrument: <u>DUALECD6R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0C2703</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E18037-CCV1)			Lab File ID: ECD6R003.D		Analyzed: 05/18/20 09:03			
Decachlorobiphenyl (Surr)	250	105	80 - 120	11.327	11.36529	-0.0383	+/-1.0	
Calibration Blank (0E18037-CCB1)			Lab File ID: ECD6R004.D		Analyzed: 05/18/20 09:21			
Decachlorobiphenyl (Surr)	100	99	43 - 120	11.328	11.36529	-0.0373	+/-1.0	
PDI-061SC-A-03-04-200428 (A0D0763-01RE1)			Lab File ID: ECD6R012.D		Analyzed: 05/18/20 14:55			
Decachlorobiphenyl (Surr)	25.5	73	43 - 120	11.325	11.36529	-0.0403	+/-1.0	
PDI-061SC-A-04-05-200428 (A0D0763-02RE1)			Lab File ID: ECD6R014.D		Analyzed: 05/18/20 15:30			
Decachlorobiphenyl (Surr)	25.2	71	43 - 120	11.324	11.36529	-0.0413	+/-1.0	
PDI-061SC-A-05-06-200428 (A0D0763-03RE1)			Lab File ID: ECD6R016.D		Analyzed: 05/18/20 16:06			
Decachlorobiphenyl (Surr)	24.0	70	43 - 120	11.326	11.36529	-0.0393	+/-1.0	
Calibration Check (0E18037-CCV2)			Lab File ID: ECD6R018.D		Analyzed: 05/18/20 16:41			
Decachlorobiphenyl (Surr)	250	107	80 - 120	11.326	11.36529	-0.0393	+/-1.0	
Calibration Blank (0E18037-CCB2)			Lab File ID: ECD6R019.D		Analyzed: 05/18/20 16:59			
Decachlorobiphenyl (Surr)	100	106	43 - 120	11.327	11.36529	-0.0383	+/-1.0	
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)			Lab File ID: ECD6R020.D		Analyzed: 05/18/20 17:17			
Decachlorobiphenyl (Surr)	23.1	80	43 - 120	11.327	11.36529	-0.0383	+/-1.0	
PDI-061SC-A-07-08-200428 (A0D0763-05RE1)			Lab File ID: ECD6R022.D		Analyzed: 05/18/20 17:52			
Decachlorobiphenyl (Surr)	22.6	74	43 - 120	11.327	11.36529	-0.0383	+/-1.0	
PDI-061SC-A-09-9-9-200428 (A0D0763-07)			Lab File ID: ECD6R024.D		Analyzed: 05/18/20 18:28			
Decachlorobiphenyl (Surr)	22.5	76	43 - 120	11.326	11.36529	-0.0393	+/-1.0	
PDI-061SC-B-00-02-200428 (A0D0763-08)			Lab File ID: ECD6R026.D		Analyzed: 05/18/20 19:03			
Decachlorobiphenyl (Surr)	25.2	69	43 - 120	11.325	11.36529	-0.0403	+/-1.0	
PDI-061SC-B-02-04-200428 (A0D0763-09)			Lab File ID: ECD6R028.D		Analyzed: 05/18/20 19:38			
Decachlorobiphenyl (Surr)	25.2	68	43 - 120	11.326	11.36529	-0.0393	+/-1.0	
Calibration Check (0E18037-CCV3)			Lab File ID: ECD6R030.D		Analyzed: 05/18/20 20:14			
Decachlorobiphenyl (Surr)	250	114	80 - 120	11.326	11.36529	-0.0393	+/-1.0	
Calibration Blank (0E18037-CCB3)			Lab File ID: ECD6R031.D		Analyzed: 05/18/20 20:31			
Decachlorobiphenyl (Surr)	100	110	43 - 120	11.324	11.36529	-0.0413	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E19027</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0E2004</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0E19027-ICV1)			Lab File ID: ECD2R013.D		Analyzed: 05/19/20 10:55			
Decachlorobiphenyl (Surr)	200	97	70 - 130	10.691	10.69129	-0.0003	+/-1.0	
Initial Cal Check (0E19027-ICV2)			Lab File ID: ECD2R021.D		Analyzed: 05/19/20 13:16			
Decachlorobiphenyl (Surr)	80.0	98	70 - 130	10.689	10.69129	-0.0023	+/-1.0	
Initial Cal Check (0E19027-ICV3)			Lab File ID: ECD2R022.D		Analyzed: 05/19/20 13:34			
Decachlorobiphenyl (Surr)	80.0	100	70 - 130	10.689	10.69129	-0.0023	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E20061</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D2707</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E20061-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 05/20/20 14:40			
Decachlorobiphenyl (Surr)	250	86	80 - 120	9.536	9.616572	-0.0806	+/-1.0	
Calibration Blank (0E20061-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 05/20/20 14:57			
Decachlorobiphenyl (Surr)	100	89	43 - 120	9.535	9.616572	-0.0816	+/-1.0	
Blank (0050714-BLK1)			Lab File ID: ECD2F004.D		Analyzed: 05/20/20 15:54			
Decachlorobiphenyl (Surr)	16.1	81	43 - 120	9.543	9.616572	-0.0736	+/-1.0	
LCS (0050714-BS1)			Lab File ID: ECD2F005.D		Analyzed: 05/20/20 16:12			
Decachlorobiphenyl (Surr)	16.7	91	43 - 120	9.536	9.616572	-0.0806	+/-1.0	
PDI-061SC-B-06-08-200428 (A0D0763-11RE1)			Lab File ID: ECD2F006.D		Analyzed: 05/20/20 16:29			
Decachlorobiphenyl (Surr)	23.6	60	43 - 120	9.534	9.616572	-0.0826	+/-1.0	
Duplicate (0050714-DUP1)			Lab File ID: ECD2F008.D		Analyzed: 05/20/20 17:05			
Decachlorobiphenyl (Surr)	23.7	60	43 - 120	9.533	9.616572	-0.0836	+/-1.0	
Calibration Check (0E20061-CCV2)			Lab File ID: ECD2F016.D		Analyzed: 05/20/20 19:26			
Decachlorobiphenyl (Surr)	250	88	80 - 120	9.534	9.616572	-0.0826	+/-1.0	
Calibration Blank (0E20061-CCB2)			Lab File ID: ECD2F017.D		Analyzed: 05/20/20 19:43			
Decachlorobiphenyl (Surr)	100	86	43 - 120	9.533	9.616572	-0.0836	+/-1.0	
Calibration Check (0E20061-CCV3)			Lab File ID: ECD2F028.D		Analyzed: 05/20/20 22:57			
Decachlorobiphenyl (Surr)	250	97	80 - 120	9.532	9.616572	-0.0846	+/-1.0	
Calibration Blank (0E20061-CCB3)			Lab File ID: ECD2F029.D		Analyzed: 05/20/20 23:14			
Decachlorobiphenyl (Surr)	100	100	43 - 120	9.533	9.616572	-0.0836	+/-1.0	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-A-03-04-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:29	13.73	365.00	05/18/20 14:55	6.31	40.00	
PDI-061SC-A-04-05-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:29	13.73	365.00	05/18/20 15:30	6.33	40.00	
PDI-061SC-A-05-06-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:29	13.73	365.00	05/18/20 16:06	6.36	40.00	
PDI-061SC-A-06-07-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:29	13.73	365.00	05/18/20 17:17	6.41	40.00	
PDI-061SC-A-07-08-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:29	13.73	365.00	05/18/20 17:52	6.43	40.00	
PDI-061SC-A-08-09-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:31	13.73	365.00	05/14/20 10:01	2.10	40.00	
PDI-061SC-A-09-9.9-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 07:31	13.73	365.00	05/18/20 18:28	6.46	40.00	
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 07:31	13.74	365.00	05/18/20 19:03	6.48	40.00	
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 07:31	13.74	365.00	05/18/20 19:38	6.50	40.00	
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 12:53	13.97	365.00	05/13/20 10:21	0.89	40.00	
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	05/20/20 07:06	21.73	365.00	05/20/20 16:29	0.39	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-A-03-04-200428</u>	<u>A0D0763-01</u>	<u>SE</u>
<u>PDI-061SC-A-04-05-200428</u>	<u>A0D0763-02</u>	<u>SE</u>
<u>PDI-061SC-A-05-06-200428</u>	<u>A0D0763-03</u>	<u>SE</u>
<u>PDI-061SC-A-06-07-200428</u>	<u>A0D0763-04</u>	<u>SE</u>
<u>PDI-061SC-A-07-08-200428</u>	<u>A0D0763-05</u>	<u>SE</u>
<u>PDI-061SC-A-08-09-200428</u>	<u>A0D0763-06</u>	<u>SE</u>
<u>PDI-061SC-A-09-9.9-200428</u>	<u>A0D0763-07</u>	<u>SE</u>
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

6/12/2020 12:05PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
2,4'-DDD	0.500	1.00	ug/kg
2,4'-DDD [2C]	0.500	1.00	ug/kg
2,4'-DDE [2C]	0.500	1.00	ug/kg
2,4'-DDT [2C]	0.500	1.00	ug/kg
4,4'-DDD [2C]	0.500	1.00	ug/kg
4,4'-DDE [2C]	0.500	1.00	ug/kg
4,4'-DDT [2C]	0.500	1.00	ug/kg

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

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-03-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-01RE1</u>	File ID: <u>ECD3-05122009.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/12/20 15:43</u>
Solids: <u>65.13</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.28 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E12047</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.49	U
3424-82-6	2,4'-DDE [2C]	1	1.49	U
789-02-6	2,4'-DDT [2C]	1	1.49	U
72-54-8	4,4'-DDD [2C]	1	1.49	U
72-55-9	4,4'-DDE [2C]	1	1.49	U
50-29-3	4,4'-DDT [2C]	1	1.49	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	74.7	35.4	47	42 - 129	
Decachlorobiphenyl (Surr) [2C]	74.7	59.5	80	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-04-05-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-02RE1</u>	File ID: <u>ECD3-05122010.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/12/20 16:00</u>
Solids: <u>.66.23</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.46 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E12047</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.44	U
3424-82-6	2,4'-DDE [2C]	1	1.44	U
789-02-6	2,4'-DDT [2C]	1	1.44	U
72-54-8	4,4'-DDD [2C]	1	1.44	U
72-55-9	4,4'-DDE [2C]	1	1.44	U
50-29-3	4,4'-DDT [2C]	1	1.44	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	72.2	44.6	62	42 - 129	
Decachlorobiphenyl (Surr) [2C]	72.2	59.6	83	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-05-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-03RE1</u>	File ID: <u>ECD3-05122011.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/12/20 16:17</u>
Solids: <u>68.94</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.66 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E12047</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.36	U
3424-82-6	2,4'-DDE [2C]	1	1.36	U
789-02-6	2,4'-DDT [2C]	1	1.36	U
72-54-8	4,4'-DDD [2C]	1	1.36	U
72-55-9	4,4'-DDE [2C]	1	1.36	U
50-29-3	4,4'-DDT [2C]	1	1.36	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	68.0	41.8	61	42 - 129	
Decachlorobiphenyl (Surr) [2C]	68.0	57.6	85	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-06-07-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-04RE1</u>	File ID: <u>ECD3-05132007.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 13:03</u>
Solids: <u>72.09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.2 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.36	U
3424-82-6	2,4'-DDE [2C]	1	1.36	U
789-02-6	2,4'-DDT [2C]	1	1.36	U
72-54-8	4,4'-DDD [2C]	1	1.36	U
72-55-9	4,4'-DDE [2C]	1	1.36	U
50-29-3	4,4'-DDT [2C]	1	1.36	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	68.0	29.5	43	42 - 129	
Decachlorobiphenyl (Surr) [2C]	68.0	63.6	94	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-07-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-05RE1</u>	File ID: <u>ECD3-05132008.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 13:20</u>
Solids: <u>72.77</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.55 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.30	U
3424-82-6	2,4'-DDE [2C]	1	1.30	U
789-02-6	2,4'-DDT [2C]	1	1.30	U
72-54-8	4,4'-DDD [2C]	1	1.30	U
72-55-9	4,4'-DDE [2C]	1	1.30	U
50-29-3	4,4'-DDT [2C]	1	1.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.1	35.8	55	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.1	61.9	95	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-08-09-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-06RE1</u>	File ID: <u>ECD3-05132009.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 13:37</u>
Solids: <u>68.15</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.35 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.42	U
3424-82-6	2,4'-DDE [2C]	1	1.42	U
789-02-6	2,4'-DDT [2C]	1	1.42	U
72-54-8	4,4'-DDD [2C]	1	1.42	U
72-55-9	4,4'-DDE [2C]	1	1.42	U
50-29-3	4,4'-DDT [2C]	1	1.42	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	70.9	38.8	55	42 - 129	
Decachlorobiphenyl (Surr) [2C]	70.9	65.1	92	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-A-09-9.9-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-07RE1</u>	File ID: <u>ECD3-05132010.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 13:55</u>
Solids: <u>72.73</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.55 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.30	U
3424-82-6	2,4'-DDE [2C]	1	1.30	U
789-02-6	2,4'-DDT [2C]	1	1.30	U
72-54-8	4,4'-DDD [2C]	1	1.30	U
72-55-9	4,4'-DDE [2C]	1	1.30	U
50-29-3	4,4'-DDT [2C]	1	1.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.2	26.9	41	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	65.2	66.0	101	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-B-00-02-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-08RE1</u>	File ID: <u>ECD3-05132017.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 15:55</u>
Solids: <u>65.77</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.21 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	2	2.98	U
3424-82-6	2,4'-DDE [2C]	2	2.98	U
789-02-6	2,4'-DDT [2C]	2	2.98	U
72-54-8	4,4'-DDD [2C]	2	5.96	U
72-55-9	4,4'-DDE [2C]	2	2.98	U
50-29-3	4,4'-DDT [2C]	2	2.98	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	74.5	53.0	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	74.5	85.9	115	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-B-02-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-09RE1</u>	File ID: <u>ECD3-05132011.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 14:12</u>
Solids: <u>65.04</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.32 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.49	U
3424-82-6	2,4'-DDE [2C]	1	1.49	U
789-02-6	2,4'-DDT [2C]	1	1.49	U
72-54-8	4,4'-DDD [2C]	1	1.49	U
72-55-9	4,4'-DDE [2C]	1	1.49	U
50-29-3	4,4'-DDT [2C]	1	1.49	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	74.5	40.7	55	42 - 129	
Decachlorobiphenyl (Surr) [2C]	74.5	76.6	103	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-B-04-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-10RE1</u>	File ID: <u>ECD3-05132012.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 14:29</u>
Solids: <u>.69.09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.62 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.36	U
3424-82-6	2,4'-DDE [2C]	1	1.36	U
789-02-6	2,4'-DDT [2C]	1	1.36	U
72-54-8	4,4'-DDD [2C]	1	1.36	U
72-55-9	4,4'-DDE [2C]	1	1.36	U
50-29-3	4,4'-DDT [2C]	1	1.36	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	68.1	32.1	47	42 - 129	
Decachlorobiphenyl (Surr) [2C]	68.1	63.1	93	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-061SC-B-06-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-11RE1</u>	File ID: <u>ECD3-05132013.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/11/20 09:47</u>	Analyzed: <u>05/13/20 14:46</u>
Solids: <u>69.64</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.18 g / 10 mL</u>
Batch: <u>0050393</u>	Sequence: <u>0E13040</u>	Calibration: <u>A0D1308</u>
		Instrument: <u>DUALECD3</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	1.41	U
3424-82-6	2,4'-DDE [2C]	1	1.41	U
789-02-6	2,4'-DDT [2C]	1	1.41	U
72-54-8	4,4'-DDD [2C]	1	1.41	U
72-55-9	4,4'-DDE [2C]	1	1.41	U
50-29-3	4,4'-DDT [2C]	1	1.41	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	70.5	42.8	61	42 - 129	
Decachlorobiphenyl (Surr) [2C]	70.5	72.1	102	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc

Batch: 0050393

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050393-BLK1	ECD3-05122007.D	05/11/20 09:47	
LCS	0050393-BS1	ECD3-05122008.D	05/11/20 09:47	
PDI-061SC-A-03-04-200428	A0D0763-01RE1	ECD3-05122009.D	05/11/20 09:47	
PDI-061SC-A-04-05-200428	A0D0763-02RE1	ECD3-05122010.D	05/11/20 09:47	
PDI-061SC-A-05-06-200428	A0D0763-03RE1	ECD3-05122011.D	05/11/20 09:47	
PDI-061SC-A-06-07-200428	A0D0763-04RE1	ECD3-05132007.D	05/11/20 09:47	
PDI-061SC-A-07-08-200428	A0D0763-05RE1	ECD3-05132008.D	05/11/20 09:47	
PDI-061SC-A-08-09-200428	A0D0763-06RE1	ECD3-05132009.D	05/11/20 09:47	
PDI-061SC-A-09-9.9-200428	A0D0763-07RE1	ECD3-05132010.D	05/11/20 09:47	
PDI-061SC-B-00-02-200428	A0D0763-08RE1	ECD3-05132017.D	05/11/20 09:47	
PDI-061SC-B-02-04-200428	A0D0763-09RE1	ECD3-05132011.D	05/11/20 09:47	
PDI-061SC-B-04-06-200428	A0D0763-10RE1	ECD3-05132012.D	05/11/20 09:47	
PDI-061SC-B-06-08-200428	A0D0763-11RE1	ECD3-05132013.D	05/11/20 09:47	

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: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050393-BLK1</u>	File ID: <u>ECD3-05122007.D</u>
Prepared: <u>05/11/20 09:47</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>05/12/20 15:08</u>	Instrument: <u>DUALECD3</u>	
Batch: <u>0050393</u>	Sequence: <u>0E12047</u>	Calibration: <u>A0D1308</u>

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
53-19-0	2,4'-DDD [2C]	0.909	U
3424-82-6	2,4'-DDE [2C]	0.909	U
789-02-6	2,4'-DDT [2C]	0.909	U
72-54-8	4,4'-DDD [2C]	0.909	U
72-55-9	4,4'-DDE [2C]	0.909	U
50-29-3	4,4'-DDT [2C]	0.909	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	36.2	80	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	44.5	98	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050393

Laboratory ID: 0050393-BS1

Preparation: EPA 3546

Initial/Final: 10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	52.6	105	50 - 150
2,4'-DDE [2C]	50.0	47.5	95	50 - 150
2,4'-DDT [2C]	50.0	61.4	123	50 - 150
4,4'-DDD [2C]	50.0	52.8	106	50 - 150
4,4'-DDE [2C]	50.0	48.7	97	50 - 150
4,4'-DDT [2C]	50.0	61.1	122	50 - 150

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0D10031

Instrument: DUALECD3

Matrix: Sediment

Calibration: A0D1308

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0D10031-ICB1	ECD3-04102004.D	04/10/20 12:05
Cal Standard	0D10031-CAL1	ECD3-04102005.D	04/10/20 12:22
Cal Standard	0D10031-CAL2	ECD3-04102006.D	04/10/20 12:39
Cal Standard	0D10031-CAL3	ECD3-04102007.D	04/10/20 12:56
Cal Standard	0D10031-CAL4	ECD3-04102008.D	04/10/20 13:14
Cal Standard	0D10031-CAL5	ECD3-04102009.D	04/10/20 13:31
Cal Standard	0D10031-CAL6	ECD3-04102010.D	04/10/20 13:48
Cal Standard	0D10031-CAL7	ECD3-04102011.D	04/10/20 14:05
Cal Standard	0D10031-CAL8	ECD3-04102012.D	04/10/20 14:22
Cal Standard	0D10031-CAL9	ECD3-04102013.D	04/10/20 14:40
Initial Cal Check	0D10031-ICV1	ECD3-04102015.D	04/10/20 15:14
Cal Standard	0D10031-CALA	ECD3-04102016.D	04/10/20 15:31
Cal Standard	0D10031-CALB	ECD3-04102017.D	04/10/20 15:48
Cal Standard	0D10031-CALC	ECD3-04102018.D	04/10/20 16:06
Cal Standard	0D10031-CALD	ECD3-04102019.D	04/10/20 16:23
Cal Standard	0D10031-CALE	ECD3-04102020.D	04/10/20 16:40
Cal Standard	0D10031-CALF	ECD3-04102021.D	04/10/20 16:57
Cal Standard	0D10031-CALG	ECD3-04102022.D	04/10/20 17:14
Cal Standard	0D10031-CALH	ECD3-04102023.D	04/10/20 17:31
Cal Standard	0D10031-CALI	ECD3-04102024.D	04/10/20 17:49
Initial Cal Check	0D10031-ICV2	ECD3-04102026.D	04/10/20 18:23

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: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E12047

Instrument: DUALECD3

Matrix: Sediment

Calibration: A0D1308

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E12047-CCV1	ECD3-05122004.D	05/12/20 13:54
Calibration Check	0E12047-CCV2	ECD3-05122005.D	05/12/20 14:11
Calibration Blank	0E12047-CCB1	ECD3-05122006.D	05/12/20 14:29
Blank	0050393-BLK1	ECD3-05122007.D	05/12/20 15:08
LCS	0050393-BS1	ECD3-05122008.D	05/12/20 15:25
PDI-061SC-A-03-04-200428	A0D0763-01RE1	ECD3-05122009.D	05/12/20 15:43
PDI-061SC-A-04-05-200428	A0D0763-02RE1	ECD3-05122010.D	05/12/20 16:00
PDI-061SC-A-05-06-200428	A0D0763-03RE1	ECD3-05122011.D	05/12/20 16:17
Calibration Check	0E12047-CCV3	ECD3-05122022.D	05/12/20 19:43
Calibration Check	0E12047-CCV4	ECD3-05122023.D	05/12/20 20:00
Calibration Blank	0E12047-CCB2	ECD3-05122024.D	05/12/20 20:17

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: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E13040

Instrument: DUALECD3

Matrix: Sediment

Calibration: A0D1308

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E13040-CCV1	ECD3-05132004.D	05/13/20 12:11
Calibration Check	0E13040-CCV2	ECD3-05132005.D	05/13/20 12:29
Calibration Blank	0E13040-CCB1	ECD3-05132006.D	05/13/20 12:46
PDI-061SC-A-06-07-200428	A0D0763-04RE1	ECD3-05132007.D	05/13/20 13:03
PDI-061SC-A-07-08-200428	A0D0763-05RE1	ECD3-05132008.D	05/13/20 13:20
PDI-061SC-A-08-09-200428	A0D0763-06RE1	ECD3-05132009.D	05/13/20 13:37
PDI-061SC-A-09-9.9-200428	A0D0763-07RE1	ECD3-05132010.D	05/13/20 13:55
PDI-061SC-B-02-04-200428	A0D0763-09RE1	ECD3-05132011.D	05/13/20 14:12
PDI-061SC-B-04-06-200428	A0D0763-10RE1	ECD3-05132012.D	05/13/20 14:29
PDI-061SC-B-06-08-200428	A0D0763-11RE1	ECD3-05132013.D	05/13/20 14:46
Calibration Check	0E13040-CCV3	ECD3-05132014.D	05/13/20 15:03
Calibration Check	0E13040-CCV4	ECD3-05132015.D	05/13/20 15:21
Calibration Blank	0E13040-CCB2	ECD3-05132016.D	05/13/20 15:38
PDI-061SC-B-00-02-200428	A0D0763-08RE1	ECD3-05132017.D	05/13/20 15:55
Calibration Check	0E13040-CCV5	ECD3-05132029.D	05/13/20 19:41
Calibration Check	0E13040-CCV6	ECD3-05132030.D	05/13/20 19:58
Calibration Blank	0E13040-CCB3	ECD3-05132031.D	05/13/20 20:15

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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D1308

Date: 04/13/20 15:25

Instrument: DUALECD3

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	89307.32	XXX	13.78791	7.898111	1.598432E-02				
2,4'-DDE	98516.12	XXX	11.22848	7.521	2.351506E-02				
2,4'-DDT [2C]	53639.74	Ave	10.41106	8.817222	1.558586E-02			20	
4,4'-DDD	121405	Ave	6.232612	8.200222	1.283599E-02			20	
4,4'-DDE	144252.5	Ave	6.206514	7.773333	6.988753E-03			20	
4,4'-DDT	91546.28	XXX	19.93372	8.398889	7.56836E-03				
2,4,5,6-TCMX (Surr)	148107.1	Ave	6.310794	5.562111	2.006371E-02			20	
Decachlorobiphenyl (Surr) [2C]	73249.08	XXX	16.63165	10.67878	7.634335E-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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D1308

Instrument: DUALECD3

Calibration Date: 04/13/20 15:25

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	135350	1	118335	2	114551	5	116080.6	10	114385.8	25	122264.2
4,4'-DDD [2C]	0.5	117444	1	101471	2	92223.5	5	93297.8	10	88969.2	25	88490.04
4,4'-DDE	0.5	153276	1	132356	2	132289.5	5	142562.8	10	138247.6	25	147017
4,4'-DDE [2C]	0.5	128668	1	115967	2	115455	5	116955.6	10	113728.8	25	115097.3
4,4'-DDT	0.5	74814	1	73450	2	72721	5	80515	10	87548.3	25	98250.52
4,4'-DDT [2C]	0.5	49558	1	49721	2	44665	5	52033	10	57869.4	25	59859.88
2,4,5,6-TCMX (Surr)	0.5	171498	1	150599	2	147314.5	5	145504.8	10	144995.5	25	144829.2
2,4,5,6-TCMX (Surr) [2C]	0.5	146014	1	127191	2	121084.5	5	120362.4	10	116465.1	25	111743.8
Decachlorobiphenyl (Surr)	0.5	157490	1	135418	2	124797	5	117403.2	10	113052.7	25	109084.3
Decachlorobiphenyl (Surr) [2C]	0.5	100898	1	81619	2	76587.5	5	72873.2	10	70173.7	25	66379.4

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D1308

Instrument: DUALECD3

Matrix:

Calibration Date: 04/13/20 15:25

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	113088	1	106028	2	93679
2,4'-DDD [2C]							0.5	101166	1	93331	2	79054
2,4'-DDE							0.5	119766	1	114378	2	98851.5
2,4'-DDE [2C]							0.5	109508	1	102014	2	87910.5
2,4'-DDT							0.5	83314	1	77977	2	66988.5
2,4'-DDT [2C]							0.5	64868	1	56936	2	48302
4,4'-DDD	50	116278.3	100	124287.9	200	131111.9						
4,4'-DDD [2C]	50	88654.62	100	91583.53	200	87163.65						
4,4'-DDE	50	143019.7	100	152928.6	200	156575						
4,4'-DDE [2C]	50	108553	100	113676.3	200	108264.3						
4,4'-DDT	50	101815.7	100	111186.7	200	123615.3						
4,4'-DDT [2C]	50	63783.72	100	70159.04	200	75293.8						
2,4,5,6-TCMX (Surr)	50	138171.2	100	145089.6	200	144961.7						
2,4,5,6-TCMX (Surr) [2C]	50	107016.2	100	109426.7	200	102072.5						
Decachlorobiphenyl (Surr)	50	103451.8	100	109675.1	200	112153.1						
Decachlorobiphenyl (Surr) [2C]	50	63540.54	100	64967.05	200	62203.3						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D1308

Instrument: DUALECD3

Matrix:

Calibration Date: 04/13/20 15:25

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	80488.4	10	80976	25	84049.12	50	80039.06	100	82008.34	200	83410
2,4'-DDD [2C]	5	68430.8	10	66550.3	25	65943.16	50	64103.9	100	63894.5	200	63526.25
2,4'-DDE	5	89799.2	10	88908.7	25	94809.64	50	90378.34	100	94201.36	200	95552.3
2,4'-DDE [2C]	5	79088.8	10	77610.5	25	77530.4	50	73197.7	100	73192.58	200	71315.7
2,4'-DDT	5	68792.2	10	66539.8	25	75635.36	50	76121.52	100	79068.36	200	83078.35
2,4'-DDT [2C]	5	48078.6	10	47215.9	25	53266.96	50	52898.36	100	54268.18	200	56923.65

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u>	
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0D1308</u>	
Lab File ID: <u>ECD3-04102015.D</u>		
Sequence: <u>0D10031</u>	Inject Date: <u>04/10/20</u>	
Lab Sample ID: <u>0D10031-ICV1</u>	Inject Time: <u>15:14</u>	

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	51.3	2.6	70 - 130
4,4'-DDD [2C]	50.0	47.0	-6.0	70 - 130
4,4'-DDE	50.0	52.1	4.2	70 - 130
4,4'-DDE [2C]	50.0	47.8	-4.4	70 - 130
4,4'-DDT	50.0	52.9	5.9	70 - 130
4,4'-DDT [2C]	50.0	54.0	8.0	70 - 130
2,4,5,6-TCMX (Surr)	50.0	48.3	-3.4	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	51.1	2.2	70 - 130
Decachlorobiphenyl (Surr)	50.0	50.0	0.01	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	49.8	-0.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory: Apex Laboratories SDG: Gasco PreRD DG 2019
Client: Anchor QEA, LLC Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
Instrument ID: DUALECD3 Calibration: A0D1308
Lab File ID: ECD3-04102026.D
Sequence: 0D10031 Inject Date: 04/10/20
Lab Sample ID: 0D10031-ICV2 Inject Time: 18:23

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	50.3	0.5	70 - 130
2,4'-DDD [2C]	50.0	49.4	-1.3	70 - 130
2,4'-DDE	50.0	51.5	2.9	70 - 130
2,4'-DDE [2C]	50.0	51.6	3.3	70 - 130
2,4'-DDT	50.0	59.0	17.9	70 - 130
2,4'-DDT [2C]	50.0	58.0	16.0	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD3

Calibration: A0D1308

Lab File ID: ECD3-05122004.D

Calibration Date: 04/13/20 15:25

Sequence: 0E12047

Injection Date: 05/12/20

Lab Sample ID: 0E12047-CCV1

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	
4,4'-DDD	Ave	50.0	49.5		121405	120073.8	-1.1	20
4,4'-DDD [2C]	Ave	50.0	47.8		94366.37	90201.46	-4.4	20
4,4'-DDE	Ave	50.0	51.5		144252.5	148679.2	3.1	20
4,4'-DDE [2C]	Ave	50.0	48.2		115151.7	110990.4	-3.6	20
4,4'-DDT	XXX	50.0	51.0	2.0				20
4,4'-DDT [2C]	XXX	50.0	48.9	-2.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0D1308</u>
Lab File ID: <u>ECD3-05122005.D</u>	Calibration Date: <u>04/13/20 15:25</u>
Sequence: <u>0E12047</u>	Injection Date: <u>05/12/20</u>
Lab Sample ID: <u>0E12047-CCV2</u>	Injection Time: <u>14:11</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	49.9	-0.2				20
2,4'-DDD [2C]	XXX	50.0	48.3	-3.4				20
2,4'-DDE	XXX	50.0	50.9	1.7				20
2,4'-DDE [2C]	XXX	50.0	47.5	-5.0				20
2,4'-DDT	Ave	50.0	48.5		75279.45	73014.1	-3.0	20
2,4'-DDT [2C]	Ave	50.0	43.5		53639.74	46646.6	-13.0	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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD3

Calibration: A0D1308

Lab File ID: ECD3-05122022.D

Calibration Date: 04/13/20 15:25

Sequence: 0E12047

Injection Date: 05/12/20

Lab Sample ID: 0E12047-CCV3

Injection Time: 19:43

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	93.2		121405	113203.9	-6.8	20
4,4'-DDD [2C]	Ave	100	90.7		94366.37	85598.04	-9.3	20
4,4'-DDE	Ave	100	98.4		144252.5	141985.8	-1.6	20
4,4'-DDE [2C]	Ave	100	94.0		115151.7	108253	-6.0	20
4,4'-DDT	XXX	100	104	4.0				20
4,4'-DDT [2C]	XXX	100	102	2.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0D1308</u>
Lab File ID: <u>ECD3-05122023.D</u>	Calibration Date: <u>04/13/20 15:25</u>
Sequence: <u>0E12047</u>	Injection Date: <u>05/12/20</u>
Lab Sample ID: <u>0E12047-CCV4</u>	Injection Time: <u>20:00</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	103	3.0				20
2,4'-DDD [2C]	XXX	100	104	3.7				20
2,4'-DDE	XXX	100	101	1.4				20
2,4'-DDE [2C]	XXX	100	101	0.9				20
2,4'-DDT	Ave	100	116		75279.45	87226.81	15.9	20
2,4'-DDT [2C]	Ave	100	107		53639.74	57429	7.1	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0D1308</u>
Lab File ID: <u>ECD3-05132004.D</u>	Calibration Date: <u>04/13/20 15:25</u>
Sequence: <u>0E13040</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13040-CCV1</u>	Injection Time: <u>12:11</u>

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	49.6		121405	120492.1	-0.8	20
4,4'-DDD [2C]	Ave	50.0	47.8		94366.37	90151.5	-4.5	20
4,4'-DDE	Ave	50.0	50.6		144252.5	146078.3	1.3	20
4,4'-DDE [2C]	Ave	50.0	49.7		115151.7	114562.9	-0.5	20
4,4'-DDT	XXX	50.0	53.0	6.0				20
4,4'-DDT [2C]	XXX	50.0	51.7	3.5				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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD3

Calibration: A0D1308

Lab File ID: ECD3-05132005.D

Calibration Date: 04/13/20 15:25

Sequence: 0E13040

Injection Date: 05/13/20

Lab Sample ID: 0E13040-CCV2

Injection Time: 12:29

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	49.4	-1.1				20
2,4'-DDD [2C]	XXX	50.0	50.0	0.03				20
2,4'-DDE	XXX	50.0	48.6	-2.8				20
2,4'-DDE [2C]	XXX	50.0	50.6	1.3				20
2,4'-DDT	Ave	50.0	53.6		75279.45	80758.82	7.3	20
2,4'-DDT [2C]	Ave	50.0	48.6		53639.74	52127.68	-2.8	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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD3

Calibration: A0D1308

Lab File ID: ECD3-05132014.D

Calibration Date: 04/13/20 15:25

Sequence: 0E13040

Injection Date: 05/13/20

Lab Sample ID: 0E13040-CCV3

Injection Time: 15:03

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	106		121405	128497	5.8	20
4,4'-DDD [2C]	Ave	100	106		94366.37	100360.3	6.4	20
4,4'-DDE	Ave	100	104		144252.5	149475.2	3.6	20
4,4'-DDE [2C]	Ave	100	103		115151.7	119102.7	3.4	20
4,4'-DDT	XXX	100	115	14.6				20
4,4'-DDT [2C]	XXX	100	117	17.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0D1308</u>
Lab File ID: <u>ECD3-05132015.D</u>	Calibration Date: <u>04/13/20 15:25</u>
Sequence: <u>0E13040</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13040-CCV4</u>	Injection Time: <u>15:21</u>

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	97.6	-2.4				20
2,4'-DDD [2C]	XXX	100	106	5.9				20
2,4'-DDE	XXX	100	100	0.005				20
2,4'-DDE [2C]	XXX	100	100	0.4				20
2,4'-DDT	Ave	100	118		75279.45	88631.34	17.7	20
2,4'-DDT [2C]	Ave	100	116		53639.74	61966.02	15.5	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Instrument ID: <u>DUALECD3</u>	Calibration: <u>A0D1308</u>
Lab File ID: <u>ECD3-05132029.D</u>	Calibration Date: <u>04/13/20 15:25</u>
Sequence: <u>0E13040</u>	Injection Date: <u>05/13/20</u>
Lab Sample ID: <u>0E13040-CCV5</u>	Injection Time: <u>19:41</u>

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		121405	113286.5	-6.7	20
4,4'-DDD [2C]	Ave	50.0	51.0		94366.37	96241.16	2.0	20
4,4'-DDE	Ave	50.0	46.8		144252.5	134888	-6.5	20
4,4'-DDE [2C]	Ave	50.0	48.8		115151.7	112399.1	-2.4	20
4,4'-DDT	XXX	50.0	56.5	13.0				20
4,4'-DDT [2C]	XXX	50.0	60.5	21.0 *				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: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: DUALECD3

Calibration: A0D1308

Lab File ID: ECD3-05132030.D

Calibration Date: 04/13/20 15:25

Sequence: 0E13040

Injection Date: 05/13/20

Lab Sample ID: 0E13040-CCV6

Injection Time: 19:58

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	49.7	-0.6				20
2,4'-DDD [2C]	XXX	50.0	51.9	3.8				20
2,4'-DDE	XXX	50.0	48.1	-3.9				20
2,4'-DDE [2C]	XXX	50.0	49.7	-0.6				20
2,4'-DDT	Ave	50.0	59.3		75279.45	89269.16	18.6	20
2,4'-DDT [2C]	Ave	50.0	58.0		53639.74	62220.92	16.0	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: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0D10031</u>	Instrument: <u>DUALECD3</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D1308</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D10031-ICV1)			Lab File ID: ECD3-04102015.D		Analyzed: 04/10/20 15:14			
2,4,5,6-TCMX (Surr)	50.0	97	70 - 130	5.562	5.562111	-0.0001	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	70 - 130	6.062	6.061333	0.0007	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	70 - 130	9.807	9.807	0.0000	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	70 - 130	10.679	10.67878	0.0002	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E12047</u>	Instrument: <u>DUALECD3</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D1308</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E12047-CCV1) Lab File ID: ECD3-05122004.D Analyzed: 05/12/20 13:54								
2,4,5,6-TCMX (Surr)	50.0	99	80 - 120	5.377	5.562111	-0.1851	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	91	80 - 120	5.894	6.061333	-0.1673	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	80 - 120	9.614	9.807	-0.1930	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	105	80 - 120	10.476	10.67878	-0.2028	+/-1.0	
Calibration Blank (0E12047-CCB1) Lab File ID: ECD3-05122006.D Analyzed: 05/12/20 14:29								
2,4,5,6-TCMX (Surr) [2C]	100	86	42 - 129	5.896	6.061333	-0.1653	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	103	55 - 130	10.478	10.67878	-0.2008	+/-1.0	
Blank (0050393-BLK1) Lab File ID: ECD3-05122007.D Analyzed: 05/12/20 15:08								
2,4,5,6-TCMX (Surr) [2C]	45.5	80	42 - 129	5.895	6.061333	-0.1663	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	98	55 - 130	10.477	10.67878	-0.2018	+/-1.0	
LCS (0050393-BS1) Lab File ID: ECD3-05122008.D Analyzed: 05/12/20 15:25								
2,4,5,6-TCMX (Surr) [2C]	50.0	81	42 - 129	5.897	6.061333	-0.1643	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	55 - 130	10.477	10.67878	-0.2018	+/-1.0	
PDI-061SC-A-03-04-200428 (A0D0763-01RE1) Lab File ID: ECD3-05122009.D Analyzed: 05/12/20 15:43								
2,4,5,6-TCMX (Surr) [2C]	74.7	47	42 - 129	5.896	6.061333	-0.1653	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	74.7	80	55 - 130	10.478	10.67878	-0.2008	+/-1.0	
PDI-061SC-A-04-05-200428 (A0D0763-02RE1) Lab File ID: ECD3-05122010.D Analyzed: 05/12/20 16:00								
2,4,5,6-TCMX (Surr) [2C]	72.2	62	42 - 129	5.896	6.061333	-0.1653	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	72.2	83	55 - 130	10.477	10.67878	-0.2018	+/-1.0	
PDI-061SC-A-05-06-200428 (A0D0763-03RE1) Lab File ID: ECD3-05122011.D Analyzed: 05/12/20 16:17								
2,4,5,6-TCMX (Surr) [2C]	68.0	61	42 - 129	5.896	6.061333	-0.1653	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	68.0	85	55 - 130	10.477	10.67878	-0.2018	+/-1.0	
Calibration Check (0E12047-CCV3) Lab File ID: ECD3-05122022.D Analyzed: 05/12/20 19:43								
2,4,5,6-TCMX (Surr)	100	98	80 - 120	5.377	5.562111	-0.1851	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	88	80 - 120	5.895	6.061333	-0.1663	+/-1.0	
Decachlorobiphenyl (Surr)	100	103	80 - 120	9.612	9.807	-0.1950	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	114	80 - 120	10.474	10.67878	-0.2048	+/-1.0	
Calibration Blank (0E12047-CCB2) Lab File ID: ECD3-05122024.D Analyzed: 05/12/20 20:17								
2,4,5,6-TCMX (Surr) [2C]	100	85	42 - 129	5.895	6.061333	-0.1663	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	106	55 - 130	10.475	10.67878	-0.2038	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E13040</u>	Instrument: <u>DUALECD3</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D1308</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E13040-CCV1) Lab File ID: ECD3-05132004.D Analyzed: 05/13/20 12:11								
2,4,5,6-TCMX (Surr)	50.0	98	80 - 120	5.375	5.562111	-0.1871	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	95	80 - 120	5.892	6.061333	-0.1693	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	107	80 - 120	9.61	9.807	-0.1970	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	112	80 - 120	10.471	10.67878	-0.2078	+/-1.0	
Calibration Blank (0E13040-CCB1) Lab File ID: ECD3-05132006.D Analyzed: 05/13/20 12:46								
2,4,5,6-TCMX (Surr) [2C]	100	85	42 - 129	5.893	6.061333	-0.1683	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	105	55 - 130	10.472	10.67878	-0.2068	+/-1.0	
PDI-061SC-A-06-07-200428 (A0D0763-04RE1) Lab File ID: ECD3-05132007.D Analyzed: 05/13/20 13:03								
2,4,5,6-TCMX (Surr) [2C]	68.0	43	42 - 129	5.892	6.061333	-0.1693	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	68.0	94	55 - 130	10.47	10.67878	-0.2088	+/-1.0	
PDI-061SC-A-07-08-200428 (A0D0763-05RE1) Lab File ID: ECD3-05132008.D Analyzed: 05/13/20 13:20								
2,4,5,6-TCMX (Surr) [2C]	65.1	55	42 - 129	5.893	6.061333	-0.1683	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.1	95	55 - 130	10.471	10.67878	-0.2078	+/-1.0	
PDI-061SC-A-08-09-200428 (A0D0763-06RE1) Lab File ID: ECD3-05132009.D Analyzed: 05/13/20 13:37								
2,4,5,6-TCMX (Surr) [2C]	70.9	55	42 - 129	5.892	6.061333	-0.1693	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	70.9	92	55 - 130	10.47	10.67878	-0.2088	+/-1.0	
PDI-061SC-A-09-9-200428 (A0D0763-07RE1) Lab File ID: ECD3-05132010.D Analyzed: 05/13/20 13:55								
2,4,5,6-TCMX (Surr) [2C]	65.2	41	42 - 129	5.893	6.061333	-0.1683	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	65.2	101	55 - 130	10.471	10.67878	-0.2078	+/-1.0	
PDI-061SC-B-02-04-200428 (A0D0763-09RE1) Lab File ID: ECD3-05132011.D Analyzed: 05/13/20 14:12								
2,4,5,6-TCMX (Surr) [2C]	74.5	55	42 - 129	5.893	6.061333	-0.1683	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	74.5	103	55 - 130	10.47	10.67878	-0.2088	+/-1.0	
PDI-061SC-B-04-06-200428 (A0D0763-10RE1) Lab File ID: ECD3-05132012.D Analyzed: 05/13/20 14:29								
2,4,5,6-TCMX (Surr) [2C]	68.1	47	42 - 129	5.893	6.061333	-0.1683	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	68.1	93	55 - 130	10.471	10.67878	-0.2078	+/-1.0	
PDI-061SC-B-06-08-200428 (A0D0763-11RE1) Lab File ID: ECD3-05132013.D Analyzed: 05/13/20 14:46								
2,4,5,6-TCMX (Surr) [2C]	70.5	61	42 - 129	5.893	6.061333	-0.1683	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	70.5	102	55 - 130	10.471	10.67878	-0.2078	+/-1.0	
Calibration Check (0E13040-CCV3) Lab File ID: ECD3-05132014.D Analyzed: 05/13/20 15:03								
2,4,5,6-TCMX (Surr)	100	99	80 - 120	5.376	5.562111	-0.1861	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	98	80 - 120	5.894	6.061333	-0.1673	+/-1.0	
Decachlorobiphenyl (Surr)	100	106	80 - 120	9.61	9.807	-0.1970	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	118	80 - 120	10.472	10.67878	-0.2068	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0E13040
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD3
 Calibration: A0D1308

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Blank (0E13040-CCB2)			Lab File ID: ECD3-05132016.D Analyzed: 05/13/20 15:38					
2,4,5,6-TCMX (Surr) [2C]	100	87	42 - 129	5.894	6.061333	-0.1673	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	108	55 - 130	10.473	10.67878	-0.2058	+/-1.0	
PDI-061SC-B-00-02-200428 (A0D0763-08RE1)			Lab File ID: ECD3-05132017.D Analyzed: 05/13/20 15:55					
2,4,5,6-TCMX (Surr) [2C]	74.5	71	42 - 129	5.893	6.061333	-0.1683	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	74.5	115	55 - 130	10.472	10.67878	-0.2068	+/-1.0	
Calibration Check (0E13040-CCV5)			Lab File ID: ECD3-05132029.D Analyzed: 05/13/20 19:41					
2,4,5,6-TCMX (Surr)	50.0	94	80 - 120	5.372	5.562111	-0.1901	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	86	80 - 120	5.891	6.061333	-0.1703	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	109	80 - 120	9.606	9.807	-0.2010	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	118	80 - 120	10.468	10.67878	-0.2108	+/-1.0	
Calibration Blank (0E13040-CCB3)			Lab File ID: ECD3-05132031.D Analyzed: 05/13/20 20:15					
2,4,5,6-TCMX (Surr) [2C]	100	90	42 - 129	5.89	6.061333	-0.1713	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	114	55 - 130	10.468	10.67878	-0.2108	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-A-03-04-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/12/20 15:43	1.25	40.00	
PDI-061SC-A-04-05-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/12/20 16:00	1.26	40.00	
PDI-061SC-A-05-06-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/12/20 16:17	1.27	40.00	
PDI-061SC-A-06-07-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/13/20 13:03	2.14	40.00	
PDI-061SC-A-07-08-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/13/20 13:20	2.15	40.00	
PDI-061SC-A-08-09-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/13/20 13:37	2.16	40.00	
PDI-061SC-A-09-9.9-200428	04/28/20 13:57	04/29/20 15:15	05/11/20 09:47	12.83	14.00	05/13/20 13:55	2.17	40.00	
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	05/11/20 09:47	12.84	14.00	05/13/20 15:55	2.26	40.00	
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	05/11/20 09:47	12.84	14.00	05/13/20 14:12	2.18	40.00	
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	05/11/20 09:47	12.84	14.00	05/13/20 14:29	2.20	40.00	
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	05/11/20 09:47	12.84	14.00	05/13/20 14:46	2.21	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GCMS

METHOD: EPA 8270D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-A-03-04-200428</u>	<u>A0D0763-01</u>	<u>SE</u>
<u>PDI-061SC-A-04-05-200428</u>	<u>A0D0763-02</u>	<u>SE</u>
<u>PDI-061SC-A-05-06-200428</u>	<u>A0D0763-03</u>	<u>SE</u>
<u>PDI-061SC-A-06-07-200428</u>	<u>A0D0763-04</u>	<u>SE</u>
<u>PDI-061SC-A-07-08-200428</u>	<u>A0D0763-05</u>	<u>SE</u>
<u>PDI-061SC-A-08-09-200428</u>	<u>A0D0763-06</u>	<u>SE</u>
<u>PDI-061SC-A-09-9.9-200428</u>	<u>A0D0763-07</u>	<u>SE</u>
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>
<u>PDI-061SC-B-08-9.9-200428</u>	<u>A0D0763-12</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

David G. Jack

Forms Created:

6/12/2020 12:05PM

Title:

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Acenaphthene	1.25	2.50	ug/kg
Acenaphthylene	1.25	2.50	ug/kg
Anthracene	1.25	2.50	ug/kg
Benz(a)anthracene	1.25	2.50	ug/kg
Benzo(a)pyrene	1.25	2.50	ug/kg
Benzo(b)fluoranthene	1.25	2.50	ug/kg
Benzo(k)fluoranthene	1.25	2.50	ug/kg
Benzo(g,h,i)perylene	1.25	2.50	ug/kg
Chrysene	1.25	2.50	ug/kg
Dibenz(a,h)anthracene	1.25	2.50	ug/kg
Fluoranthene	1.25	2.50	ug/kg
Fluorene	1.25	2.50	ug/kg
Indeno(1,2,3-cd)pyrene	1.25	2.50	ug/kg
2-Methylnaphthalene	1.25	2.50	ug/kg
Naphthalene	1.25	2.50	ug/kg
Phenanthrene	1.25	2.50	ug/kg
Pyrene	1.25	2.50	ug/kg

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

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-03-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-01RE1</u>	File ID: <u>N05112006.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/11/20 11:14</u>
Solids: <u>65.13</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.36 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11029</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	7.41	U
208-96-8	Acenaphthylene	4	7.41	U
120-12-7	Anthracene	4	7.41	U
56-55-3	Benz(a)anthracene	4	7.41	U
50-32-8	Benzo(a)pyrene	4	7.41	U
205-99-2	Benzo(b)fluoranthene	4	7.41	U
207-08-9	Benzo(k)fluoranthene	4	7.41	U
191-24-2	Benzo(g,h,i)perylene	4	7.41	U
218-01-9	Chrysene	4	7.41	U
53-70-3	Dibenz(a,h)anthracene	4	7.41	U
206-44-0	Fluoranthene	4	7.41	U
86-73-7	Fluorene	4	7.41	U
193-39-5	Indeno(1,2,3-cd)pyrene	4	7.41	U
91-57-6	2-Methylnaphthalene	4	7.41	U
91-20-3	Naphthalene	4	30.9	D
85-01-8	Phenanthrene	4	7.41	U
129-00-0	Pyrene	4	7.41	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	74.1	59.6	80	44 - 120	
p-Terphenyl-d14 (Surr)	74.1	70.4	95	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	236915	7.895	244851	7.895	
Acenaphthene-d10 (ISTD)	138362	9.649	140147	9.649	
Phenanthrene-d10 (ISTD)	240916	11.159	248119	11.159	
Chrysene-d12 (ISTD)	209370	14.953	212901	14.953	
Perylene-d12 (ISTD)	208970	18.433	210930	18.433	
Dibenz(a,h)anthracene-d14 (ISTD)	188367	20.823	199863	20.823	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-04-05-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-02RE1</u>	File ID: <u>N05112029.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/11/20 23:47</u>
Solids: <u>.66.23</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.28 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.84	U
208-96-8	Acenaphthylene	1	1.84	U
120-12-7	Anthracene	1	1.84	U
56-55-3	Benz(a)anthracene	1	1.84	U
50-32-8	Benzo(a)pyrene	1	1.84	U
205-99-2	Benzo(b)fluoranthene	1	1.84	U
207-08-9	Benzo(k)fluoranthene	1	1.84	U
191-24-2	Benzo(g,h,i)perylene	1	1.84	U
218-01-9	Chrysene	1	1.84	U
53-70-3	Dibenz(a,h)anthracene	1	1.84	U
206-44-0	Fluoranthene	1	2.60	J
86-73-7	Fluorene	1	1.84	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.84	U
91-57-6	2-Methylnaphthalene	1	1.84	U
91-20-3	Naphthalene	1	6.95	
85-01-8	Phenanthrene	1	4.85	
129-00-0	Pyrene	1	2.91	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	73.4	52.6	72	44 - 120	
p-Terphenyl-d14 (Surr)	73.4	61.7	84	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	261885	7.906	217663	7.895	
Acenaphthene-d10 (ISTD)	172325	9.661	138626	9.655	
Phenanthrene-d10 (ISTD)	329233	11.17	230279	11.165	
Chrysene-d12 (ISTD)	315960	14.982	186770	14.965	
Perylene-d12 (ISTD)	298892	18.474	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	255491	20.863	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-05-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-03RE1</u>	File ID: <u>N05112024.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/11/20 21:11</u>
Solids: <u>68.94</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.29 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	5	183	D
208-96-8	Acenaphthylene	5	9.37	JD
120-12-7	Anthracene	5	41.9	D
56-55-3	Benz(a)anthracene	5	16.6	JD
50-32-8	Benzo(a)pyrene	5	31.8	D
205-99-2	Benzo(b)fluoranthene	5	24.7	D
207-08-9	Benzo(k)fluoranthene	5	8.81	U
191-24-2	Benzo(g,h,i)perylene	5	24.2	D
218-01-9	Chrysene	5	21.8	D
53-70-3	Dibenz(a,h)anthracene	5	8.81	U
206-44-0	Fluoranthene	5	96.2	D
86-73-7	Fluorene	5	66.9	D
193-39-5	Indeno(1,2,3-cd)pyrene	5	20.8	D
91-57-6	2-Methylnaphthalene	5	33.7	D
91-20-3	Naphthalene	5	229	D
85-01-8	Phenanthrene	5	276	D
129-00-0	Pyrene	5	128	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	70.5	53.4	76	44 - 120	
p-Terphenyl-d14 (Surr)	70.5	62.1	88	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	239507	7.895	217663	7.895	
Acenaphthene-d10 (ISTD)	153930	9.649	138626	9.655	
Phenanthrene-d10 (ISTD)	268824	11.159	230279	11.165	
Chrysene-d12 (ISTD)	218192	14.959	186770	14.965	
Perylene-d12 (ISTD)	209041	18.445	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	175530	20.829	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-06-07-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-04RE1</u>	File ID: <u>N05112025.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/11/20 21:43</u>
Solids: <u>72.09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.57 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	35.4	D
208-96-8	Acenaphthylene	4	6.56	U
120-12-7	Anthracene	4	6.56	U
56-55-3	Benz(a)anthracene	4	6.56	U
50-32-8	Benzo(a)pyrene	4	6.56	U
205-99-2	Benzo(b)fluoranthene	4	6.56	U
207-08-9	Benzo(k)fluoranthene	4	6.56	U
191-24-2	Benzo(g,h,i)perylene	4	6.56	U
218-01-9	Chrysene	4	6.56	U
53-70-3	Dibenz(a,h)anthracene	4	6.56	U
206-44-0	Fluoranthene	4	6.56	U
86-73-7	Fluorene	4	7.90	JD
193-39-5	Indeno(1,2,3-cd)pyrene	4	6.56	U
91-57-6	2-Methylnaphthalene	4	6.56	U
91-20-3	Naphthalene	4	60.0	D
85-01-8	Phenanthrene	4	17.0	D
129-00-0	Pyrene	4	6.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	65.6	48.9	75	44 - 120	
p-Terphenyl-d14 (Surr)	65.6	58.6	89	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	241010	7.895	217663	7.895	
Acenaphthene-d10 (ISTD)	149854	9.655	138626	9.655	
Phenanthrene-d10 (ISTD)	257907	11.165	230279	11.165	
Chrysene-d12 (ISTD)	209060	14.959	186770	14.965	
Perylene-d12 (ISTD)	199596	18.445	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	167399	20.834	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-07-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-05RE1</u>	File ID: <u>N05112026.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/11/20 22:14</u>
Solids: <u>72.77</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.68 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	38.5	D
208-96-8	Acenaphthylene	4	6.43	U
120-12-7	Anthracene	4	6.43	U
56-55-3	Benz(a)anthracene	4	6.43	U
50-32-8	Benzo(a)pyrene	4	6.43	U
205-99-2	Benzo(b)fluoranthene	4	6.43	U
207-08-9	Benzo(k)fluoranthene	4	6.43	U
191-24-2	Benzo(g,h,i)perylene	4	6.43	U
218-01-9	Chrysene	4	6.43	U
53-70-3	Dibenz(a,h)anthracene	4	6.43	U
206-44-0	Fluoranthene	4	6.43	U
86-73-7	Fluorene	4	11.4	JD
193-39-5	Indeno(1,2,3-cd)pyrene	4	6.43	U
91-57-6	2-Methylnaphthalene	4	6.43	U
91-20-3	Naphthalene	4	8.72	JD
85-01-8	Phenanthrene	4	24.2	D
129-00-0	Pyrene	4	6.43	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	64.3	47.1	73	44 - 120	
p-Terphenyl-d14 (Surr)	64.3	55.2	86	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	250384	7.901	217663	7.895	
Acenaphthene-d10 (ISTD)	156553	9.661	138626	9.655	
Phenanthrene-d10 (ISTD)	281679	11.17	230279	11.165	
Chrysene-d12 (ISTD)	250720	14.971	186770	14.965	
Perylene-d12 (ISTD)	245460	18.456	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	212041	20.84	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-08-09-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-06RE1</u>	File ID: <u>N05112027.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/11/20 22:45</u>
Solids: <u>68.15</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.58 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	49.7	D
208-96-8	Acenaphthylene	4	6.93	U
120-12-7	Anthracene	4	10.3	JD
56-55-3	Benz(a)anthracene	4	6.93	U
50-32-8	Benzo(a)pyrene	4	6.93	U
205-99-2	Benzo(b)fluoranthene	4	6.93	U
207-08-9	Benzo(k)fluoranthene	4	6.93	U
191-24-2	Benzo(g,h,i)perylene	4	6.93	U
218-01-9	Chrysene	4	6.93	U
53-70-3	Dibenz(a,h)anthracene	4	6.93	U
206-44-0	Fluoranthene	4	18.5	D
86-73-7	Fluorene	4	15.6	D
193-39-5	Indeno(1,2,3-cd)pyrene	4	6.93	U
91-57-6	2-Methylnaphthalene	4	14.4	D
91-20-3	Naphthalene	4	144	D
85-01-8	Phenanthrene	4	52.6	D
129-00-0	Pyrene	4	21.7	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	69.3	51.7	75	44 - 120	
p-Terphenyl-d14 (Surr)	69.3	57.9	83	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	251880	7.907	217663	7.895	
Acenaphthene-d10 (ISTD)	161411	9.661	138626	9.655	
Phenanthrene-d10 (ISTD)	302120	11.171	230279	11.165	
Chrysene-d12 (ISTD)	288862	14.977	186770	14.965	
Perylene-d12 (ISTD)	284190	18.462	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	250064	20.852	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-A-09-9.9-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-07</u>	File ID: <u>N05082106.D</u>
Sampled: <u>04/28/20 13:57</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/10/20 15:44</u>
Solids: <u>72.73</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.49 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E08049</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	7.65	
208-96-8	Acenaphthylene	1	1.64	U
120-12-7	Anthracene	1	3.96	
56-55-3	Benz(a)anthracene	1	1.64	U
50-32-8	Benzo(a)pyrene	1	1.64	U
205-99-2	Benzo(b)fluoranthene	1	1.64	U
207-08-9	Benzo(k)fluoranthene	1	1.64	U
191-24-2	Benzo(g,h,i)perylene	1	1.64	U
218-01-9	Chrysene	1	1.64	U
53-70-3	Dibenz(a,h)anthracene	1	1.64	U
206-44-0	Fluoranthene	1	4.59	
86-73-7	Fluorene	1	2.75	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.64	U
91-57-6	2-Methylnaphthalene	1	2.63	J
91-20-3	Naphthalene	1	14.1	
85-01-8	Phenanthrene	1	25.6	
129-00-0	Pyrene	1	4.58	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	65.5	53.8	82	44 - 120	
p-Terphenyl-d14 (Surr)	65.5	63.9	98	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	275762	7.895	251447	7.889	
Acenaphthene-d10 (ISTD)	168934	9.649	140655	9.644	
Phenanthrene-d10 (ISTD)	303562	11.159	252533	11.153	
Chrysene-d12 (ISTD)	266485	14.953	192775	14.942	
Perylene-d12 (ISTD)	258901	18.439	185567	18.427	
Dibenz(a,h)anthracene-d14 (ISTD)	226654	20.823	166901	20.811	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-B-00-02-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-08</u>	File ID: <u>N05082059.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/09/20 15:38</u>
Solids: <u>65.77</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.29 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E08047</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	2110	JD
208-96-8	Acenaphthylene	1000	1850	U
120-12-7	Anthracene	1000	1970	JD
56-55-3	Benz(a)anthracene	1000	3630	JD
50-32-8	Benzo(a)pyrene	1000	6230	D
205-99-2	Benzo(b)fluoranthene	1000	4910	D
207-08-9	Benzo(k)fluoranthene	1000	1850	U
191-24-2	Benzo(g,h,i)perylene	1000	5360	D
218-01-9	Chrysene	1000	4530	D
53-70-3	Dibenz(a,h)anthracene	1000	1850	U
206-44-0	Fluoranthene	1000	9430	D
86-73-7	Fluorene	1000	1850	U
193-39-5	Indeno(1,2,3-cd)pyrene	1000	4460	D
91-57-6	2-Methylnaphthalene	1000	1850	U
91-20-3	Naphthalene	1000	1850	U
85-01-8	Phenanthrene	1000	8260	D
129-00-0	Pyrene	1000	13200	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	73.9	59.1	80	44 - 120	D
p-Terphenyl-d14 (Surr)	73.9	96.0	130	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	257167	7.889	276805	7.889	
Acenaphthene-d10 (ISTD)	144287	9.649	160497	9.649	
Phenanthrene-d10 (ISTD)	248089	11.159	314776	11.159	
Chrysene-d12 (ISTD)	194919	14.948	270381	14.947	
Perylene-d12 (ISTD)	199976	18.427	253882	18.433	
Dibenz(a,h)anthracene-d14 (ISTD)	163990	20.817	214918	20.817	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-B-02-04-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-09RE1</u>	File ID: <u>N05112036.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/12/20 03:23</u>
Solids: <u>65.04</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.74 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	5	8.95	U
208-96-8	Acenaphthylene	5	8.95	U
120-12-7	Anthracene	5	8.95	U
56-55-3	Benz(a)anthracene	5	8.95	U
50-32-8	Benzo(a)pyrene	5	8.95	U
205-99-2	Benzo(b)fluoranthene	5	8.95	U
207-08-9	Benzo(k)fluoranthene	5	8.95	U
191-24-2	Benzo(g,h,i)perylene	5	8.95	U
218-01-9	Chrysene	5	8.95	U
53-70-3	Dibenz(a,h)anthracene	5	8.95	U
206-44-0	Fluoranthene	5	8.95	U
86-73-7	Fluorene	5	8.95	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	8.95	U
91-57-6	2-Methylnaphthalene	5	8.95	U
91-20-3	Naphthalene	5	8.95	U
85-01-8	Phenanthrene	5	12.5	JD
129-00-0	Pyrene	5	8.95	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	71.6	59.7	83	44 - 120	
p-Terphenyl-d14 (Surr)	71.6	69.5	97	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	243128	7.907	217663	7.895	
Acenaphthene-d10 (ISTD)	150630	9.667	138626	9.655	
Phenanthrene-d10 (ISTD)	278938	11.176	230279	11.165	
Chrysene-d12 (ISTD)	260426	14.994	186770	14.965	
Perylene-d12 (ISTD)	234635	18.491	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	200529	20.893	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-B-04-06-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-10RE1</u>	File ID: <u>N05112037.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/12/20 03:54</u>
Solids: <u>69.09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.14 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	7.14	U
208-96-8	Acenaphthylene	4	7.14	U
120-12-7	Anthracene	4	7.14	U
56-55-3	Benz(a)anthracene	4	7.14	U
50-32-8	Benzo(a)pyrene	4	7.14	U
205-99-2	Benzo(b)fluoranthene	4	7.14	U
207-08-9	Benzo(k)fluoranthene	4	7.14	U
191-24-2	Benzo(g,h,i)perylene	4	7.14	U
218-01-9	Chrysene	4	7.14	U
53-70-3	Dibenz(a,h)anthracene	4	7.14	U
206-44-0	Fluoranthene	4	7.14	U
86-73-7	Fluorene	4	7.14	U
193-39-5	Indeno(1,2,3-cd)pyrene	4	7.14	U
91-57-6	2-Methylnaphthalene	4	7.14	U
91-20-3	Naphthalene	4	7.14	U
85-01-8	Phenanthrene	4	11.6	JD
129-00-0	Pyrene	4	7.14	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	71.4	57.2	80	44 - 120	
p-Terphenyl-d14 (Surr)	71.4	66.1	93	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	213818	7.906	217663	7.895	
Acenaphthene-d10 (ISTD)	126570	9.667	138626	9.655	
Phenanthrene-d10 (ISTD)	235808	11.176	230279	11.165	
Chrysene-d12 (ISTD)	220764	14.994	186770	14.965	
Perylene-d12 (ISTD)	199201	18.497	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	171742	20.898	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-B-06-08-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-11RE1</u>	File ID: <u>N05112030.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/12/20 00:18</u>
Solids: <u>69.64</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.16 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E11050</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.77	U
208-96-8	Acenaphthylene	1	1.77	U
120-12-7	Anthracene	1	1.77	U
56-55-3	Benz(a)anthracene	1	1.77	U
50-32-8	Benzo(a)pyrene	1	1.77	U
205-99-2	Benzo(b)fluoranthene	1	1.77	U
207-08-9	Benzo(k)fluoranthene	1	1.77	U
191-24-2	Benzo(g,h,i)perylene	1	1.77	U
218-01-9	Chrysene	1	1.77	U
53-70-3	Dibenz(a,h)anthracene	1	1.77	U
206-44-0	Fluoranthene	1	1.77	U
86-73-7	Fluorene	1	1.77	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.77	U
91-57-6	2-Methylnaphthalene	1	1.77	U
91-20-3	Naphthalene	1	2.43	J
85-01-8	Phenanthrene	1	1.77	U
129-00-0	Pyrene	1	1.77	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	70.7	56.6	80	44 - 120	
p-Terphenyl-d14 (Surr)	70.7	65.6	93	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	271658	7.906	217663	7.895	
Acenaphthene-d10 (ISTD)	167181	9.661	138626	9.655	
Phenanthrene-d10 (ISTD)	324363	11.17	230279	11.165	
Chrysene-d12 (ISTD)	310257	14.994	186770	14.965	
Perylene-d12 (ISTD)	287446	18.491	180072	18.45	
Dibenz(a,h)anthracene-d14 (ISTD)	247786	20.904	161427	20.84	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D

PDI-061SC-B-08-9.9-200428

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>	
Matrix: <u>SE</u>	Laboratory ID: <u>A0D0763-12</u>	File ID: <u>N05082023.D</u>
Sampled: <u>04/28/20 13:40</u>	Prepared: <u>05/08/20 12:08</u>	Analyzed: <u>05/08/20 21:11</u>
Solids: <u>67.52</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.15 g / 5 mL</u>
Batch: <u>0050335</u>	Sequence: <u>0E08046</u>	Calibration: <u>A0D0804</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	7.30	U
208-96-8	Acenaphthylene	4	7.30	U
120-12-7	Anthracene	4	7.30	U
56-55-3	Benz(a)anthracene	4	7.30	U
50-32-8	Benzo(a)pyrene	4	7.30	U
205-99-2	Benzo(b)fluoranthene	4	7.30	U
207-08-9	Benzo(k)fluoranthene	4	7.30	U
191-24-2	Benzo(g,h,i)perylene	4	7.30	U
218-01-9	Chrysene	4	7.30	U
53-70-3	Dibenz(a,h)anthracene	4	7.30	U
206-44-0	Fluoranthene	4	7.30	U
86-73-7	Fluorene	4	7.30	U
193-39-5	Indeno(1,2,3-cd)pyrene	4	7.30	U
91-57-6	2-Methylnaphthalene	4	7.30	U
91-20-3	Naphthalene	4	7.97	JD
85-01-8	Phenanthrene	4	7.30	U
129-00-0	Pyrene	4	7.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	73.0	62.4	86	44 - 120	
p-Terphenyl-d14 (Surr)	73.0	68.7	94	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	263164	7.889	279808	7.889	
Acenaphthene-d10 (ISTD)	152596	9.649	157451	9.649	
Phenanthrene-d10 (ISTD)	290614	11.159	280523	11.159	
Chrysene-d12 (ISTD)	283130	14.953	210190	14.948	
Perylene-d12 (ISTD)	276234	18.439	191734	18.427	
Dibenz(a,h)anthracene-d14 (ISTD)	243389	20.829	166702	20.817	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc

Batch: 0050335

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050335-BLK1	N05082019.D	05/08/20 12:08	
LCS	0050335-BS1	N05082020.D	05/08/20 12:08	
PDI-061SC-A-03-04-200428 (Dup)	0050335-DUP2	N05112007.D	05/08/20 12:08	
PDI-061SC-B-08-9.9-200428 (MS)	0050335-MS1	N05082024.D	05/08/20 12:08	
PDI-061SC-A-03-04-200428	A0D0763-01RE1	N05112006.D	05/08/20 12:08	
PDI-061SC-A-04-05-200428	A0D0763-02RE1	N05112029.D	05/08/20 12:08	
PDI-061SC-A-05-06-200428	A0D0763-03RE1	N05112024.D	05/08/20 12:08	
PDI-061SC-A-06-07-200428	A0D0763-04RE1	N05112025.D	05/08/20 12:08	
PDI-061SC-A-07-08-200428	A0D0763-05RE1	N05112026.D	05/08/20 12:08	
PDI-061SC-A-08-09-200428	A0D0763-06RE1	N05112027.D	05/08/20 12:08	
PDI-061SC-A-09-9.9-200428	A0D0763-07	N05082106.D	05/08/20 12:08	
PDI-061SC-B-00-02-200428	A0D0763-08	N05082059.D	05/08/20 12:08	
PDI-061SC-B-02-04-200428	A0D0763-09RE1	N05112036.D	05/08/20 12:08	
PDI-061SC-B-04-06-200428	A0D0763-10RE1	N05112037.D	05/08/20 12:08	
PDI-061SC-B-06-08-200428	A0D0763-11RE1	N05112030.D	05/08/20 12:08	
PDI-061SC-B-08-9.9-200428	A0D0763-12	N05082023.D	05/08/20 12:08	

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 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050335-BLK1</u>	File ID: <u>N05082019.D</u>
Prepared: <u>05/08/20 12:08</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>11 g / 5 mL</u>
Analyzed: <u>05/08/20 19:00</u>	Instrument: <u>SV-GCMS14</u>	
Batch: <u>0050335</u>	Sequence: <u>0E08046</u>	Calibration: <u>A0D0804</u>

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
83-32-9	Acenaphthene	1.14	U
208-96-8	Acenaphthylene	1.14	U
120-12-7	Anthracene	1.14	U
56-55-3	Benz(a)anthracene	1.14	U
50-32-8	Benzo(a)pyrene	1.14	U
205-99-2	Benzo(b)fluoranthene	1.14	U
207-08-9	Benzo(k)fluoranthene	1.14	U
191-24-2	Benzo(g,h,i)perylene	1.14	U
218-01-9	Chrysene	1.14	U
53-70-3	Dibenz(a,h)anthracene	1.14	U
206-44-0	Fluoranthene	1.14	U
86-73-7	Fluorene	1.14	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.14	U
91-57-6	2-Methylnaphthalene	1.14	U
91-20-3	Naphthalene	1.14	U
85-01-8	Phenanthrene	1.14	U
129-00-0	Pyrene	1.14	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	40.1	88	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	52.7	116	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	252398	7.889	279808	7.889	
Acenaphthene-d10 (ISTD)	143115	9.644	157451	9.649	
Phenanthrene-d10 (ISTD)	247726	11.159	280523	11.159	
Chrysene-d12 (ISTD)	179660	14.948	210190	14.948	
Perylene-d12 (ISTD)	159538	18.427	191734	18.427	
Dibenz(a,h)anthracene-d14 (ISTD)	131982	20.817	166702	20.817	

LCS / LCS DUPLICATE RECOVERY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050335

Laboratory ID: 0050335-BS1

Preparation: EPA 3546

Initial/Final: 10 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	20.0	19.4	97	40 - 123
Acenaphthylene	20.0	20.8	104	32 - 132
Anthracene	20.0	21.0	105	47 - 123
Benz(a)anthracene	20.0	20.3	101	49 - 126
Benzo(a)pyrene	20.0	21.7	109	45 - 129
Benzo(b)fluoranthene	20.0	21.5	107	45 - 132
Benzo(k)fluoranthene	20.0	21.6	108	47 - 132
Benzo(g,h,i)perylene	20.0	19.3	96	43 - 134
Chrysene	20.0	19.7	99	50 - 124
Dibenz(a,h)anthracene	20.0	19.8	99	45 - 134
Fluoranthene	20.0	20.7	104	50 - 127
Fluorene	20.0	21.5	107	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	20.2	101	45 - 133
2-Methylnaphthalene	20.0	21.1	106	38 - 122
Naphthalene	20.0	19.9	100	35 - 123
Phenanthrene	20.0	18.8	94	50 - 121
Pyrene	20.0	22.7	114	47 - 127

* = Values outside of QC limits

DUPLICATES

PDI-061SC-A-03-04-200428

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0050335-DUP2

Batch: 0050335

Lab Source ID: A0D0763-01RE1

Preparation: EPA 3546

Initial/Final: 10.35 g / 5 mL

Source Sample Name: PDI-061SC-A-03-04-200428

% Solids: 65.13

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	2.90		ND				EPA 8270D
Acenaphthylene	30	0.00		ND				EPA 8270D
Anthracene	30	0.00		ND				EPA 8270D
Benz(a)anthracene	30	0.00		ND				EPA 8270D
Benzo(a)pyrene	30	1.33		ND				EPA 8270D
Benzo(b)fluoranthene	30	0.00		ND				EPA 8270D
Benzo(k)fluoranthene	30	0.00		ND				EPA 8270D
Benzo(g,h,i)perylene	30	0.00		ND				EPA 8270D
Chrysene	30	0.00		ND				EPA 8270D
Dibenz(a,h)anthracene	30	0.00		ND				EPA 8270D
Fluoranthene	30	1.69		ND				EPA 8270D
Fluorene	30	1.24		ND				EPA 8270D
Indeno(1,2,3-cd)pyrene	30	0.00		ND				EPA 8270D
2-Methylnaphthalene	30	1.51		ND				EPA 8270D
Naphthalene	30	30.9		27.2		13		EPA 8270D
Phenanthrene	30	3.32		ND				EPA 8270D
Pyrene	30	2.02		ND				EPA 8270D

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

PDI-061SC-B-08-9.9-200428

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Matrix: Sediment

Batch: 0050335

Laboratory ID: 0050335-MS1

Preparation: EPA 3546

Initial/Final: 10.13 g / 5 mL

Source Sample Name: PDI-061SC-B-08-9.9-200428

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	29.2	ND	25.9	89	40 - 123
Acenaphthylene	29.2	ND	26.9	92	32 - 132
Anthracene	29.2	ND	28.5	97	47 - 123
Benz(a)anthracene	29.2	ND	27.5	94	49 - 126
Benzo(a)pyrene	29.2	ND	31.6	108	45 - 129
Benzo(b)fluoranthene	29.2	ND	29.1	100	45 - 132
Benzo(k)fluoranthene	29.2	ND	27.3	93	47 - 132
Benzo(g,h,i)perylene	29.2	ND	24.9	85	43 - 134
Chrysene	29.2	ND	26.7	91	50 - 124
Dibenz(a,h)anthracene	29.2	ND	25.0	86	45 - 134
Fluoranthene	29.2	ND	28.9	99	50 - 127
Fluorene	29.2	ND	28.9	99	43 - 125
Indeno(1,2,3-cd)pyrene	29.2	ND	26.7	91	45 - 133
2-Methylnaphthalene	29.2	ND	28.0	96	38 - 122
Naphthalene	29.2	7.97	27.2	66	35 - 123
Phenanthrene	29.2	ND	27.1	93	50 - 121
Pyrene	29.2	ND	29.6	101	47 - 127

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0D07056

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0D07056-TUN1	N04072011.D	04/07/20 16:40
Initial Cal Blank	0D07056-ICB1	N04072012.D	04/07/20 17:07
Cal Standard	0D07056-CAL1	N04072013.D	04/07/20 17:38
Cal Standard	0D07056-CAL2	N04072014.D	04/07/20 18:10
Cal Standard	0D07056-CAL3	N04072015.D	04/07/20 18:42
Cal Standard	0D07056-CAL4	N04072016.D	04/07/20 19:28
Cal Standard	0D07056-CAL5	N04072017.D	04/07/20 20:00
Cal Standard	0D07056-CAL6	N04072018.D	04/07/20 20:32
Cal Standard	0D07056-CAL7	N04072019.D	04/07/20 21:04
Cal Standard	0D07056-CAL8	N04072020.D	04/07/20 21:36
Cal Standard	0D07056-CAL9	N04072021.D	04/07/20 22:08
Cal Standard	0D07056-CALA	N04072022.D	04/07/20 22:40
Initial Cal Check	0D07056-ICV1	N04072024.D	04/07/20 23:44

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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E08046

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E08046-TUN1	N05082016.D	05/08/20 17:13
Calibration Check	0E08046-CCV1	N05082017.D	05/08/20 17:42
Calibration Blank	0E08046-CCB1	N05082018.D	05/08/20 18:26
Blank	0050335-BLK1	N05082019.D	05/08/20 19:00
LCS	0050335-BS1	N05082020.D	05/08/20 19:33
PDI-061SC-B-08-9.9-200428	A0D0763-12	N05082023.D	05/08/20 21:11
PDI-061SC-B-08-9.9-200428 (MS)	0050335-MS1	N05082024.D	05/08/20 21:43

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.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>Gasco PreRD_DG 2019</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence:	<u>0E08047</u>	Instrument:	<u>SV-GCMS14</u>
Matrix:	<u>Sediment</u>	Calibration:	<u>A0D0804</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E08047-TUN1	N05082041.D	05/09/20 06:27
Calibration Check	0E08047-CCV1	N05082042.D	05/09/20 06:54
Calibration Blank	0E08047-CCB1	N05082043.D	05/09/20 07:24
PDI-061SC-B-00-02-200428	A0D0763-08	N05082059.D	05/09/20 15:38

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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0E08049

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E08049-TUN1	N05082094.D	05/10/20 09:39
Calibration Check	0E08049-CCV1	N05082095.D	05/10/20 10:05
Calibration Blank	0E08049-CCB1	N05082096.D	05/10/20 10:36
PDI-061SC-A-09-9.9-200428	A0D0763-07	N05082106.D	05/10/20 15:44

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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E11029

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E11029-TUN2	N05112003.D	05/11/20 09:42
Calibration Check	0E11029-CCV1	N05112004.D	05/11/20 10:09
Calibration Blank	0E11029-CCB1	N05112005.D	05/11/20 10:42
PDI-061SC-A-03-04-200428	A0D0763-01RE1	N05112006.D	05/11/20 11:14
PDI-061SC-A-03-04-200428 (Dup)	0050335-DUP2	N05112007.D	05/11/20 11:46

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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E11050

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0E11050-TUN2	N05112014.D	05/11/20 15:39
Calibration Check	0E11050-CCV1	N05112015.D	05/11/20 16:06
Calibration Blank	0E11050-CCB1	N05112016.D	05/11/20 16:39
PDI-061SC-A-05-06-200428	A0D0763-03RE1	N05112024.D	05/11/20 21:11
PDI-061SC-A-06-07-200428	A0D0763-04RE1	N05112025.D	05/11/20 21:43
PDI-061SC-A-07-08-200428	A0D0763-05RE1	N05112026.D	05/11/20 22:14
PDI-061SC-A-08-09-200428	A0D0763-06RE1	N05112027.D	05/11/20 22:45
PDI-061SC-A-04-05-200428	A0D0763-02RE1	N05112029.D	05/11/20 23:47
PDI-061SC-B-06-08-200428	A0D0763-11RE1	N05112030.D	05/12/20 00:18
PDI-061SC-B-02-04-200428	A0D0763-09RE1	N05112036.D	05/12/20 03:23
PDI-061SC-B-04-06-200428	A0D0763-10RE1	N05112037.D	05/12/20 03:54

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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: N04072011.D

Injection Date: 04/07/20

Instrument ID: SV-GCMS14

Injection Time: 16:40

Sequence: 0D07056

Lab Sample ID: 0D07056-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.67	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.51	PASS
m/z 197	Less than 2% of m/z 198	0.55	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.87	PASS
m/z 365	1 - 100% of m/z 198	4.27	PASS
m/z 441	Less than 150% of m/z 443	77.32	PASS
m/z 442	0.1 - 200% of m/z 198	130.54	PASS
m/z 443	15 - 24% of m/z 442	19.90	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Lab File ID: N05082016.D

Injection Date: 05/08/20

Instrument ID: SV-GCMS14

Injection Time: 17:13

Sequence: 0E08046

Lab Sample ID: 0E08046-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.93	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.51	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.80	PASS
m/z 365	1 - 100% of m/z 198	4.77	PASS
m/z 441	Less than 150% of m/z 443	77.33	PASS
m/z 442	0.1 - 200% of m/z 198	174.74	PASS
m/z 443	15 - 24% of m/z 442	19.56	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: N05082041.D

Injection Date: 05/09/20

Instrument ID: SV-GCMS14

Injection Time: 06:27

Sequence: 0E08047

Lab Sample ID: 0E08047-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.95	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.54	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.75	PASS
m/z 365	1 - 100% of m/z 198	4.76	PASS
m/z 441	Less than 150% of m/z 443	77.97	PASS
m/z 442	0.1 - 200% of m/z 198	179.78	PASS
m/z 443	15 - 24% of m/z 442	19.36	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: N05082094.D

Injection Date: 05/10/20

Instrument ID: SV-GCMS14

Injection Time: 09:39

Sequence: 0E08049

Lab Sample ID: 0E08049-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.77	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.49	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.76	PASS
m/z 365	1 - 100% of m/z 198	4.47	PASS
m/z 441	Less than 150% of m/z 443	76.99	PASS
m/z 442	0.1 - 200% of m/z 198	161.32	PASS
m/z 443	15 - 24% of m/z 442	19.41	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Lab File ID: N05112003.D

Injection Date: 05/11/20

Instrument ID: SV-GCMS14

Injection Time: 09:42

Sequence: 0E11029

Lab Sample ID: 0E11029-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.93	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.52	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.79	PASS
m/z 365	1 - 100% of m/z 198	4.70	PASS
m/z 441	Less than 150% of m/z 443	77.67	PASS
m/z 442	0.1 - 200% of m/z 198	175.55	PASS
m/z 443	15 - 24% of m/z 442	19.34	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Lab File ID: N05112014.D

Injection Date: 05/11/20

Instrument ID: SV-GCMS14

Injection Time: 15:39

Sequence: 0E11050

Lab Sample ID: 0E11050-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.82	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.54	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.81	PASS
m/z 365	1 - 100% of m/z 198	4.63	PASS
m/z 441	Less than 150% of m/z 443	77.80	PASS
m/z 442	0.1 - 200% of m/z 198	171.03	PASS
m/z 443	15 - 24% of m/z 442	19.39	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0D0804

Date: 04/08/20 10:34

Instrument: SV-GCMS14

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.367868	Ave	3.000799	9.696	1.796568E-02			20	
Acenaphthylene	1.864683	Ave	7.055857	9.518	3.200379E-02			20	
Anthracene	0.9426797	Ave	5.693387	11.2418	2.145989E-02			20	
Benz(a)anthracene	1.037035	Ave	7.880205	14.9276	3.321642E-02			20	
Benzo(a)pyrene	0.8181488	XXX	18.30975	18.2733	0.0541615				
Benzo(b)fluoranthene	1.033776	Ave	7.029041	17.5072	3.803325E-02			20	
Benzo(k)fluoranthene	1.030571	Ave	8.101667	17.573	5.166942E-02			20	
Benzo(g,h,i)perylene	1.165254	Ave	12.77436	21.3304	5.532415E-02			20	
Chrysene	1.066565	Ave	3.809076	15.0088	3.806531E-02			20	
Dibenz(a,h)anthracene	1.095365	Ave	6.404011	20.8618	3.878894E-02			20	
Fluoranthene	1.134427	Ave	6.429081	12.46	1.643526E-02			20	
Fluorene	1.315227	Ave	3.539518	10.216	2.468543E-02			20	
Indeno(1,2,3-cd)pyrene	1.086276	Ave	6.33341	20.7966	4.284379E-02			20	
2-Methylnaphthalene	0.7313287	Ave	4.601883	8.612	1.869654E-02			20	
Naphthalene	1.08918	Ave	5.059362	7.9246	2.266539E-02			20	
Phenanthrene	1.151046	Ave	5.449355	11.1904	3.034487E-02			20	
Pyrene	1.297049	Ave	5.357284	12.7512	2.164713E-02			20	
2-Fluorobiphenyl (Surr)	1.548187	Ave	3.813926	8.973	2.165729E-02			20	
p-Terphenyl-d14 (Surr)	0.9662238	Ave	3.01504	12.9576	1.045169E-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 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D0804

Instrument: SV-GCMS14

Calibration Date: 04/08/20 10:34

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
Acenaphthene	1	1.392981	2	1.401163	5	1.423281	10	1.398985	20	1.383199	50	1.371966
Acenaphthylene	1	1.647526	2	1.721671	5	1.75393	10	1.785334	20	1.855293	50	1.929361
Anthracene	1	0.9673167	2	0.8478943	5	0.8794569	10	0.9069728	20	0.973033	50	0.9519075
Benz(a)anthracene	1	1.227169	2	1.102612	5	0.9789287	10	0.9766066	20	0.9639771	50	0.9916509
Benzo(a)pyrene	1	0.6121478	2	0.6357193	5	0.6599396	10	0.7509002	20	0.7784889	50	0.8797828
Benzo(b)fluoranthene	1	1.035048	2	0.9591165	5	0.9490622	10	0.9907528	20	1.00024	50	0.9982454
Benzo(k)fluoranthene	1	0.978485	2	0.9062718	5	0.9110777	10	1.001783	20	1.018161	50	1.032891
Benzo(b+k)fluoranthene(s)	2	1.006766	4	1.004525	10	1.019857	20	1.074332	40	1.091367	100	1.072333
Benzo(g,h,i)perylene	1	0.9646682	2	0.9675185	5	1.05158	10	1.080887	20	1.165723	50	1.189328
Chrysene	1	1.104808	2	1.160223	5	1.081351	10	1.04108	20	1.07212	50	1.056937
Dibenz(a,h)anthracene	1	1.031261	2	0.9767061	5	1.093428	10	1.046585	20	1.083822	50	1.093796
Fluoranthene	1	1.028441	2	1.051523	5	1.086274	10	1.116826	20	1.098095	50	1.145195
Fluorene	1	1.408347	2	1.266542	5	1.261454	10	1.296428	20	1.346312	50	1.288125
Indeno(1,2,3-cd)pyrene	1	1.02815	2	1.006036	5	1.029843	10	1.053719	20	1.083622	50	1.07055
1-Methylnaphthalene	1	0.7224138	2	0.710285	5	0.7034837	10	0.7080097	20	0.7466831	50	0.7333436
2-Methylnaphthalene	1	0.6825082	2	0.6996163	5	0.713529	10	0.7036183	20	0.7341421	50	0.736935
Naphthalene	1	1.189761	2	1.14893	5	1.132527	10	1.103493	20	1.101812	50	1.060371
Phenanthrene	1	1.275149	2	1.192652	5	1.218825	10	1.159445	20	1.151735	50	1.133385
Pyrene	1	1.297026	2	1.266643	5	1.186004	10	1.29014	20	1.434048	50	1.239804
Carbazole	1	0.7677409	2	0.7410394	5	0.8064844	10	0.8287495	20	0.8289322	50	0.8573341
Dibenzofuran	1	1.583388	2	1.611761	5	1.65507	10	1.699478	20	1.715996	50	1.649865
2-Fluorobiphenyl (Surr)	1	1.452442	2	1.545742	5	1.669823	10	1.604526	20	1.567368	50	1.544944
p-Terphenyl-d14 (Surr)	1	0.9944604	2	0.9185764	5	0.9416842	10	0.9843256	20	1.019771	50	0.965637

INITIAL CALIBRATION DATA (Continued)

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0D0804

Instrument: SV-GCMS14

Matrix:

Calibration Date: 04/08/20 10:34

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
Acenaphthene	100	1.351988	200	1.336444	400	1.332166	600	1.286508				
Acenaphthylene	100	1.947951	200	1.990471	400	2.036944	600	1.978354				
Anthracene	100	0.96925	200	0.9980842	400	1.017185	600	0.915697				
Benz(a)anthracene	100	0.975921	200	1.027038	400	1.066469	600	1.059977				
Benzo(a)pyrene	100	0.9163841	200	0.9736837	400	0.9996673	600	0.9747747				
Benzo(b)fluoranthene	100	1.018458	200	1.085782	400	1.137665	600	1.163387				
Benzo(k)fluoranthene	100	1.089058	200	1.12059	400	1.138559	600	1.108832				
Benzo(b+k)fluoranthene(s)	200	1.103482	400	1.146313	800	1.179465	1200	1.17217				
Benzo(g,h,i)perylene	100	1.22438	200	1.272407	400	1.334467	600	1.401586				
Chrysene	100	1.033546	200	1.048368	400	1.037786	600	1.029432				
Dibenz(a,h)anthracene	100	1.096948	200	1.128297	400	1.200371	600	1.202437				
Fluoranthene	100	1.158201	200	1.224466	400	1.25754	600	1.177714				
Fluorene	100	1.300488	200	1.324758	400	1.367178	600	1.292641				
Indeno(1,2,3-cd)pyrene	100	1.071319	200	1.123916	400	1.168081	600	1.227521				
1-Methylnaphthalene	100	0.7085991	200	0.7361777	400	0.7628629	600	0.729539				
2-Methylnaphthalene	100	0.7225839	200	0.7660617	400	0.7871301	600	0.7671624				
Naphthalene	100	1.02942	200	1.04828	400	1.048821	600	1.02838				
Phenanthrene	100	1.083727	200	1.116584	400	1.089235	600	1.089727				
Pyrene	100	1.244536	200	1.322556	400	1.336945	600	1.352787				
Carbazole	100	0.8602247	200	0.872182	400	0.8554395	600	0.7202373				
Dibenzofuran	100	1.658052	200	1.65795	400	1.694863	600	1.629906				
2-Fluorobiphenyl (Surr)	100	1.53277	200	1.524237	400	1.547009	600	1.493007				
p-Terphenyl-d14 (Surr)	100	0.9400054	200	0.9709509	400	0.9682824	600	0.9585442				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP</u>
Instrument ID: <u>SV-GCMS14</u>	Calibration: <u>A0D0804</u>
Lab File ID: <u>N04072024.D</u>	
Sequence: <u>0D07056</u>	Inject Date: <u>04/07/20</u>
Lab Sample ID: <u>0D07056-ICV1</u>	Inject Time: <u>23:44</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Acenaphthene	50.0	50.2	0.4	70 - 130
Acenaphthylene	50.0	50.5	0.9	70 - 130
Anthracene	50.0	49.6	-0.9	70 - 130
Benz(a)anthracene	50.0	46.7	-6.7	70 - 130
Benzo(a)pyrene	50.0	49.6	-0.8	70 - 130
Benzo(b)fluoranthene	50.0	46.6	-6.8	70 - 130
Benzo(k)fluoranthene	50.0	49.5	-1.1	70 - 130
Benzo(g,h,i)perylene	50.0	52.0	4.0	70 - 130
Chrysene	50.0	51.0	2.1	70 - 130
Dibenz(a,h)anthracene	50.0	48.6	-2.9	70 - 130
Fluoranthene	50.0	48.6	-2.7	70 - 130
Fluorene	50.0	51.3	2.7	70 - 130
Indeno(1,2,3-cd)pyrene	50.0	47.8	-4.5	70 - 130
1-Methylnaphthalene	50.0	49.7	-0.5	70 - 130
2-Methylnaphthalene	50.0	49.2	-1.6	70 - 130
Naphthalene	50.0	46.5	-7.0	70 - 130
Phenanthrene	50.0	49.3	-1.4	70 - 130
Pyrene	50.0	56.5	13.0	70 - 130
2-Fluorobiphenyl (Surr)	50.0	51.2	2.4	70 - 130
p-Terphenyl-d14 (Surr)	50.0	51.7	3.5	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N05082017.D

Calibration Date: 04/08/20 10:34

Sequence: 0E08046

Injection Date: 05/08/20

Lab Sample ID: 0E08046-CCV1

Injection Time: 17:42

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	48.8		1.367868	1.336086	-2.3	20
Acenaphthylene	Ave	50.0	51.0		1.864683	1.903424	2.1	20
Anthracene	Ave	50.0	53.3		0.9426797	1.004866	6.6	20
Benz(a)anthracene	Ave	50.0	50.7		1.037035	1.051544	1.4	20
Benzo(a)pyrene	XXX	50.0	56.0	11.9				20
Benzo(b)fluoranthene	Ave	50.0	53.8		1.033776	1.112593	7.6	20
Benzo(k)fluoranthene	Ave	50.0	50.9		1.030571	1.049485	1.8	20
Benzo(g,h,i)perylene	Ave	50.0	49.5		1.165254	1.154203	-0.9	20
Chrysene	Ave	50.0	47.5		1.066565	1.013179	-5.0	20
Dibenz(a,h)anthracene	Ave	50.0	51.7		1.095365	1.133532	3.5	20
Fluoranthene	Ave	50.0	48.0		1.134427	1.08826	-4.1	20
Fluorene	Ave	50.0	52.6		1.315227	1.382932	5.1	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	50.7		1.086276	1.100899	1.3	20
2-Methylnaphthalene	Ave	50.0	52.0		0.7313287	0.7602141	3.9	20
Naphthalene	Ave	50.0	47.4		1.08918	1.033216	-5.1	20
Phenanthrene	Ave	50.0	45.9		1.151046	1.056969	-8.2	20
Pyrene	Ave	50.0	57.4		1.297049	1.48773	14.7	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N05082042.D

Calibration Date: 04/08/20 10:34

Sequence: 0E08047

Injection Date: 05/09/20

Lab Sample ID: 0E08047-CCV1

Injection Time: 06:54

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	48.9		1.367868	1.338879	-2.1	20
Acenaphthylene	Ave	50.0	51.7		1.864683	1.929207	3.5	20
Anthracene	Ave	50.0	53.8		0.9426797	1.015033	7.7	20
Benz(a)anthracene	Ave	50.0	50.0		1.037035	1.037625	0.06	20
Benzo(a)pyrene	XXX	50.0	56.1	12.2				20
Benzo(b)fluoranthene	Ave	50.0	53.2		1.033776	1.100259	6.4	20
Benzo(k)fluoranthene	Ave	50.0	53.3		1.030571	1.098408	6.6	20
Benzo(g,h,i)perylene	Ave	50.0	50.9		1.165254	1.185922	1.8	20
Chrysene	Ave	50.0	47.5		1.066565	1.014176	-4.9	20
Dibenz(a,h)anthracene	Ave	50.0	51.4		1.095365	1.126011	2.8	20
Fluoranthene	Ave	50.0	50.2		1.134427	1.13834	0.3	20
Fluorene	Ave	50.0	53.9		1.315227	1.418481	7.9	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	50.8		1.086276	1.104263	1.7	20
2-Methylnaphthalene	Ave	50.0	53.2		0.7313287	0.7776305	6.3	20
Naphthalene	Ave	50.0	48.1		1.08918	1.047503	-3.8	20
Phenanthrene	Ave	50.0	46.2		1.151046	1.063734	-7.6	20
Pyrene	Ave	50.0	51.9		1.297049	1.346655	3.8	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N05082095.D

Calibration Date: 04/08/20 10:34

Sequence: 0E08049

Injection Date: 05/10/20

Lab Sample ID: 0E08049-CCV1

Injection Time: 10:05

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	45.9		1.367868	1.255128	-8.2	20
Acenaphthylene	Ave	50.0	54.2		1.864683	2.021059	8.4	20
Anthracene	Ave	50.0	49.9		0.9426797	0.9414532	-0.1	20
Benz(a)anthracene	Ave	50.0	47.9		1.037035	0.9936662	-4.2	20
Benzo(a)pyrene	XXX	50.0	54.5	8.9				20
Benzo(b)fluoranthene	Ave	50.0	50.5		1.033776	1.044733	1.1	20
Benzo(k)fluoranthene	Ave	50.0	51.2		1.030571	1.054207	2.3	20
Benzo(g,h,i)perylene	Ave	50.0	48.7		1.165254	1.134517	-2.6	20
Chrysene	Ave	50.0	46.6		1.066565	0.9943821	-6.8	20
Dibenz(a,h)anthracene	Ave	50.0	47.6		1.095365	1.04281	-4.8	20
Fluoranthene	Ave	50.0	46.9		1.134427	1.063124	-6.3	20
Fluorene	Ave	50.0	48.1		1.315227	1.264299	-3.9	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	48.6		1.086276	1.055488	-2.8	20
2-Methylnaphthalene	Ave	50.0	48.0		0.7313287	0.7023031	-4.0	20
Naphthalene	Ave	50.0	47.0		1.08918	1.02377	-6.0	20
Phenanthrene	Ave	50.0	45.7		1.151046	1.051451	-8.7	20
Pyrene	Ave	50.0	56.2		1.297049	1.456901	12.3	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N05112004.D

Calibration Date: 04/08/20 10:34

Sequence: 0E11029

Injection Date: 05/11/20

Lab Sample ID: 0E11029-CCV1

Injection Time: 10:09

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	48.9		1.367868	1.337667	-2.2	20
Acenaphthylene	Ave	50.0	52.9		1.864683	1.971573	5.7	20
Anthracene	Ave	50.0	53.2		0.9426797	1.002269	6.3	20
Benz(a)anthracene	Ave	50.0	50.4		1.037035	1.045378	0.8	20
Benzo(a)pyrene	XXX	50.0	57.2	14.3				20
Benzo(b)fluoranthene	Ave	50.0	51.4		1.033776	1.061859	2.7	20
Benzo(k)fluoranthene	Ave	50.0	53.1		1.030571	1.09423	6.2	20
Benzo(g,h,i)perylene	Ave	50.0	47.8		1.165254	1.114053	-4.4	20
Chrysene	Ave	50.0	48.2		1.066565	1.029295	-3.5	20
Dibenz(a,h)anthracene	Ave	50.0	51.2		1.095365	1.122839	2.5	20
Fluoranthene	Ave	50.0	49.0		1.134427	1.11112	-2.1	20
Fluorene	Ave	50.0	51.8		1.315227	1.362141	3.6	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	49.5		1.086276	1.075457	-1.0	20
2-Methylnaphthalene	Ave	50.0	50.2		0.7313287	0.7344548	0.4	20
Naphthalene	Ave	50.0	48.2		1.08918	1.04921	-3.7	20
Phenanthrene	Ave	50.0	46.8		1.151046	1.077781	-6.4	20
Pyrene	Ave	50.0	52.2		1.297049	1.353512	4.4	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Instrument ID: SV-GCMS14

Calibration: A0D0804

Lab File ID: N05112015.D

Calibration Date: 04/08/20 10:34

Sequence: 0E11050

Injection Date: 05/11/20

Lab Sample ID: 0E11050-CCV1

Injection Time: 16:06

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	50.0	49.2		1.367868	1.345909	-1.6	20
Acenaphthylene	Ave	50.0	50.6		1.864683	1.885678	1.1	20
Anthracene	Ave	50.0	53.0		0.9426797	0.9994224	6.0	20
Benz(a)anthracene	Ave	50.0	51.6		1.037035	1.069122	3.1	20
Benzo(a)pyrene	XXX	50.0	57.7	15.3				20
Benzo(b)fluoranthene	Ave	50.0	53.3		1.033776	1.101793	6.6	20
Benzo(k)fluoranthene	Ave	50.0	52.7		1.030571	1.085988	5.4	20
Benzo(g,h,i)perylene	Ave	50.0	48.8		1.165254	1.13639	-2.5	20
Chrysene	Ave	50.0	47.7		1.066565	1.018022	-4.6	20
Dibenz(a,h)anthracene	Ave	50.0	51.4		1.095365	1.126057	2.8	20
Fluoranthene	Ave	50.0	49.5		1.134427	1.122317	-1.1	20
Fluorene	Ave	50.0	51.6		1.315227	1.357408	3.2	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	50.7		1.086276	1.101414	1.4	20
2-Methylnaphthalene	Ave	50.0	55.1		0.7313287	0.8062004	10.2	20
Naphthalene	Ave	50.0	47.4		1.08918	1.032918	-5.2	20
Phenanthrene	Ave	50.0	46.9		1.151046	1.078848	-6.3	20
Pyrene	Ave	50.0	54.9		1.297049	1.423623	9.8	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0D07056</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0D07056-ICV1)			Lab File ID: N04072024.D		Analyzed: 04/07/20 23:44			
2-Fluorobiphenyl (Surr)	50.0	102	70 - 130	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	103	70 - 130	12.954	12.9576	-0.0036	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E08046</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E08046-CCV1)			Lab File ID: N05082017.D		Analyzed: 05/08/20 17:42			
2-Fluorobiphenyl (Surr)	50.0	105	80 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	114	80 - 120	12.948	12.9576	-0.0096	+/-1.0	
Calibration Blank (0E08046-CCB1)			Lab File ID: N05082018.D		Analyzed: 05/08/20 18:26			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.973	-8.9730	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.954	12.9576	-0.0036	+/-1.0	
Blank (0050335-BLK1)			Lab File ID: N05082019.D		Analyzed: 05/08/20 19:00			
2-Fluorobiphenyl (Surr)	45.5	88	44 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	116	54 - 127	12.948	12.9576	-0.0096	+/-1.0	
LCS (0050335-BS1)			Lab File ID: N05082020.D		Analyzed: 05/08/20 19:33			
2-Fluorobiphenyl (Surr)	50.0	97	44 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	115	54 - 127	12.948	12.9576	-0.0096	+/-1.0	
PDI-061SC-B-08-9.9-200428 (A0D0763-12)			Lab File ID: N05082023.D		Analyzed: 05/08/20 21:11			
2-Fluorobiphenyl (Surr)	73.0	86	44 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	73.0	94	54 - 127	12.948	12.9576	-0.0096	+/-1.0	
Matrix Spike (0050335-MS1)			Lab File ID: N05082024.D		Analyzed: 05/08/20 21:43			
2-Fluorobiphenyl (Surr)	73.1	84	44 - 120	8.962	8.973	-0.0110	+/-1.0	
p-Terphenyl-d14 (Surr)	73.1	100	54 - 127	12.948	12.9576	-0.0096	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E08047</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E08047-CCV1)			Lab File ID: N05082042.D		Analyzed: 05/09/20 06:54			
2-Fluorobiphenyl (Surr)	50.0	105	80 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	108	80 - 120	12.948	12.9576	-0.0096	+/-1.0	
Calibration Blank (0E08047-CCB1)			Lab File ID: N05082043.D		Analyzed: 05/09/20 07:24			
2-Fluorobiphenyl (Surr)			44 - 120	8.961	8.973	-0.0120	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.948	12.9576	-0.0096	+/-1.0	
PDI-061SC-B-00-02-200428 (A0D0763-08)			Lab File ID: N05082059.D		Analyzed: 05/09/20 15:38			
2-Fluorobiphenyl (Surr)	73.9	80	44 - 120	8.961	8.973	-0.0120	+/-1.0	
p-Terphenyl-d14 (Surr)	73.9	130	54 - 127	12.948	12.9576	-0.0096	+/-1.0	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E08049</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E08049-CCV1)			Lab File ID: N05082095.D		Analyzed: 05/10/20 10:05			
2-Fluorobiphenyl (Surr)	50.0	103	80 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	106	80 - 120	12.943	12.9576	-0.0146	+/-1.0	
Calibration Blank (0E08049-CCB1)			Lab File ID: N05082096.D		Analyzed: 05/10/20 10:36			
2-Fluorobiphenyl (Surr)			44 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.948	12.9576	-0.0096	+/-1.0	
PDI-061SC-A-09-9.9-200428 (A0D0763-07)			Lab File ID: N05082106.D		Analyzed: 05/10/20 15:44			
2-Fluorobiphenyl (Surr)	65.5	82	44 - 120	8.961	8.973	-0.0120	+/-1.0	
p-Terphenyl-d14 (Surr)	65.5	98	54 - 127	12.948	12.9576	-0.0096	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E11029</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0D0804</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E11029-CCV1)			Lab File ID: N05112004.D		Analyzed: 05/11/20 10:09			
2-Fluorobiphenyl (Surr)	50.0	100	80 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	107	80 - 120	12.948	12.9576	-0.0096	+/-1.0	
Calibration Blank (0E11029-CCB1)			Lab File ID: N05112005.D		Analyzed: 05/11/20 10:42			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.973	-8.9730	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.954	12.9576	-0.0036	+/-1.0	
PDI-061SC-A-03-04-200428 (A0D0763-01RE1)			Lab File ID: N05112006.D		Analyzed: 05/11/20 11:14			
2-Fluorobiphenyl (Surr)	74.1	80	44 - 120	8.956	8.973	-0.0170	+/-1.0	
p-Terphenyl-d14 (Surr)	74.1	95	54 - 127	12.948	12.9576	-0.0096	+/-1.0	
Duplicate (0050335-DUP2)			Lab File ID: N05112007.D		Analyzed: 05/11/20 11:46			
2-Fluorobiphenyl (Surr)	74.2	77	44 - 120	8.961	8.973	-0.0120	+/-1.0	
p-Terphenyl-d14 (Surr)	74.2	91	54 - 127	12.954	12.9576	-0.0036	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E11050

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0E11050-CCV1)			Lab File ID: N05112015.D		Analyzed: 05/11/20 16:06			
2-Fluorobiphenyl (Surr)	50.0	100	80 - 120	8.961	8.973	-0.0120	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	110	80 - 120	12.954	12.9576	-0.0036	+/-1.0	
Calibration Blank (0E11050-CCB1)			Lab File ID: N05112016.D		Analyzed: 05/11/20 16:39			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.973	-8.9730	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.954	12.9576	-0.0036	+/-1.0	
PDI-061SC-A-05-06-200428 (A0D0763-03RE1)			Lab File ID: N05112024.D		Analyzed: 05/11/20 21:11			
2-Fluorobiphenyl (Surr)	70.5	76	44 - 120	8.962	8.973	-0.0110	+/-1.0	
p-Terphenyl-d14 (Surr)	70.5	88	54 - 127	12.948	12.9576	-0.0096	+/-1.0	
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)			Lab File ID: N05112025.D		Analyzed: 05/11/20 21:43			
2-Fluorobiphenyl (Surr)	65.6	75	44 - 120	8.961	8.973	-0.0120	+/-1.0	
p-Terphenyl-d14 (Surr)	65.6	89	54 - 127	12.954	12.9576	-0.0036	+/-1.0	
PDI-061SC-A-07-08-200428 (A0D0763-05RE1)			Lab File ID: N05112026.D		Analyzed: 05/11/20 22:14			
2-Fluorobiphenyl (Surr)	64.3	73	44 - 120	8.967	8.973	-0.0060	+/-1.0	
p-Terphenyl-d14 (Surr)	64.3	86	54 - 127	12.96	12.9576	0.0024	+/-1.0	
PDI-061SC-A-08-09-200428 (A0D0763-06RE1)			Lab File ID: N05112027.D		Analyzed: 05/11/20 22:45			
2-Fluorobiphenyl (Surr)	69.3	75	44 - 120	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	69.3	83	54 - 127	12.966	12.9576	0.0084	+/-1.0	
PDI-061SC-A-04-05-200428 (A0D0763-02RE1)			Lab File ID: N05112029.D		Analyzed: 05/11/20 23:47			
2-Fluorobiphenyl (Surr)	73.4	72	44 - 120	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	73.4	84	54 - 127	12.966	12.9576	0.0084	+/-1.0	
PDI-061SC-B-06-08-200428 (A0D0763-11RE1)			Lab File ID: N05112030.D		Analyzed: 05/12/20 00:18			
2-Fluorobiphenyl (Surr)	70.7	80	44 - 120	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	70.7	93	54 - 127	12.972	12.9576	0.0144	+/-1.0	
PDI-061SC-B-02-04-200428 (A0D0763-09RE1)			Lab File ID: N05112036.D		Analyzed: 05/12/20 03:23			
2-Fluorobiphenyl (Surr)	71.6	83	44 - 120	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	71.6	97	54 - 127	12.972	12.9576	0.0144	+/-1.0	
PDI-061SC-B-04-06-200428 (A0D0763-10RE1)			Lab File ID: N05112037.D		Analyzed: 05/12/20 03:54			
2-Fluorobiphenyl (Surr)	71.4	80	44 - 120	8.973	8.973	0.0000	+/-1.0	
p-Terphenyl-d14 (Surr)	71.4	93	54 - 127	12.972	12.9576	0.0144	+/-1.0	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E08046

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0E08046-CCV1)			Lab File ID: N05082017.D			Analyzed: 05/08/20 17:42			
Naphthalene-d8 (ISTD)	279808	7.889	265079	7.906	106	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10 (ISTD)	157451	9.649	146492	9.661	107	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10 (ISTD)	280523	11.159	242013	11.165	116	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	210190	14.948	238949	14.947	88	50 - 200	0.0010	+/-0.50	
Perylene-d12 (ISTD)	191734	18.427	233103	18.41	82	50 - 200	0.0170	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	166702	20.817	190743	20.794	87	50 - 200	0.0230	+/-0.50	
Calibration Blank (0E08046-CCB1)			Lab File ID: N05082018.D			Analyzed: 05/08/20 18:26			
Naphthalene-d8 (ISTD)	253430	7.889	279808	7.889	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	143650	9.649	157451	9.649	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	244806	11.159	280523	11.159	87	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	157133	14.953	210190	14.948	75	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	138777	18.433	191734	18.427	72	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	117572	20.823	166702	20.817	71	50 - 200	0.0060	+/-0.50	
Blank (0050335-BLK1)			Lab File ID: N05082019.D			Analyzed: 05/08/20 19:00			
Naphthalene-d8 (ISTD)	252398	7.889	279808	7.889	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	143115	9.644	157451	9.649	91	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	247726	11.159	280523	11.159	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	179660	14.948	210190	14.948	85	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	159538	18.427	191734	18.427	83	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	131982	20.817	166702	20.817	79	50 - 200	0.0000	+/-0.50	
LCS (0050335-BS1)			Lab File ID: N05082020.D			Analyzed: 05/08/20 19:33			
Naphthalene-d8 (ISTD)	233482	7.889	279808	7.889	83	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	136295	9.649	157451	9.649	87	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	248818	11.159	280523	11.159	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	200924	14.947	210190	14.948	96	50 - 200	-0.0010	+/-0.50	
Perylene-d12 (ISTD)	180929	18.427	191734	18.427	94	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	156479	20.817	166702	20.817	94	50 - 200	0.0000	+/-0.50	
PDI-061SC-B-08-9.9-200428 (A0D0763-12)			Lab File ID: N05082023.D			Analyzed: 05/08/20 21:11			
Naphthalene-d8 (ISTD)	263164	7.889	279808	7.889	94	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	152596	9.649	157451	9.649	97	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	290614	11.159	280523	11.159	104	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	283130	14.953	210190	14.948	135	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	276234	18.439	191734	18.427	144	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	243389	20.829	166702	20.817	146	50 - 200	0.0120	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0E08046
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: SV-GCMS14
 Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (0050335-MS1)			Lab File ID: N05082024.D			Analyzed: 05/08/20 21:43			
Naphthalene-d8 (ISTD)	243465	7.895	279808	7.889	87	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	147446	9.649	157451	9.649	94	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	271023	11.159	280523	11.159	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	239767	14.953	210190	14.948	114	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	222010	18.439	191734	18.427	116	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	187164	20.834	166702	20.817	112	50 - 200	0.0170	+/-0.50	
Matrix Spike (0050335-MS2)			Lab File ID: N05082026.D			Analyzed: 05/08/20 22:45			
Naphthalene-d8 (ISTD)	253108	7.889	279808	7.889	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	155633	9.649	157451	9.649	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	297490	11.159	280523	11.159	106	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	264923	14.953	210190	14.948	126	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	237748	18.439	191734	18.427	124	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	192379	20.823	166702	20.817	115	50 - 200	0.0060	+/-0.50	
Matrix Spike Dup (0050335-MSD2)			Lab File ID: N05082027.D			Analyzed: 05/08/20 23:15			
Naphthalene-d8 (ISTD)	252024	7.889	279808	7.889	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	158470	9.649	157451	9.649	101	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	310212	11.159	280523	11.159	111	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	305500	14.953	210190	14.948	145	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	290944	18.433	191734	18.427	152	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	254339	20.823	166702	20.817	153	50 - 200	0.0060	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E08047

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0E08047-CCV1)			Lab File ID: N05082042.D			Analyzed: 05/09/20 06:54			
Naphthalene-d8 (ISTD)	276805	7.889	265079	7.906	104	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10 (ISTD)	160497	9.649	146492	9.661	110	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10 (ISTD)	314776	11.159	242013	11.165	130	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	270381	14.947	238949	14.947	113	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	253882	18.433	233103	18.41	109	50 - 200	0.0230	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	214918	20.817	190743	20.794	113	50 - 200	0.0230	+/-0.50	
Calibration Blank (0E08047-CCB1)			Lab File ID: N05082043.D			Analyzed: 05/09/20 07:24			
Naphthalene-d8 (ISTD)	256633	7.889	276805	7.889	93	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	143583	9.649	160497	9.649	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	262408	11.159	314776	11.159	83	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	198973	14.947	270381	14.947	74	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	183496	18.433	253882	18.433	72	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	153776	20.817	214918	20.817	72	50 - 200	0.0000	+/-0.50	
PDI-061SC-B-00-02-200428 (A0D0763-08)			Lab File ID: N05082059.D			Analyzed: 05/09/20 15:38			
Naphthalene-d8 (ISTD)	257167	7.889	276805	7.889	93	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	144287	9.649	160497	9.649	90	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	248089	11.159	314776	11.159	79	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	194919	14.948	270381	14.947	72	50 - 200	0.0010	+/-0.50	
Perylene-d12 (ISTD)	199976	18.427	253882	18.433	79	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	163990	20.817	214918	20.817	76	50 - 200	0.0000	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E08049

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0E08049-CCV1)			Lab File ID: N05082095.D			Analyzed: 05/10/20 10:05			
Naphthalene-d8 (ISTD)	251447	7.889	265079	7.906	95	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10 (ISTD)	140655	9.644	146492	9.661	96	50 - 200	-0.0170	+/-0.50	
Phenanthrene-d10 (ISTD)	252533	11.153	242013	11.165	104	50 - 200	-0.0120	+/-0.50	
Chrysene-d12 (ISTD)	192775	14.942	238949	14.947	81	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	185567	18.427	233103	18.41	80	50 - 200	0.0170	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	166901	20.811	190743	20.794	88	50 - 200	0.0170	+/-0.50	
Calibration Blank (0E08049-CCB1)			Lab File ID: N05082096.D			Analyzed: 05/10/20 10:36			
Naphthalene-d8 (ISTD)	231936	7.895	251447	7.889	92	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	121616	9.643	140655	9.644	86	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	189511	11.153	252533	11.153	75	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	147626	14.947	192775	14.942	77	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	146325	18.427	185567	18.427	79	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	130788	20.817	166901	20.811	78	50 - 200	0.0060	+/-0.50	
PDI-061SC-A-09-9-9-200428 (A0D0763-07)			Lab File ID: N05082106.D			Analyzed: 05/10/20 15:44			
Naphthalene-d8 (ISTD)	275762	7.895	251447	7.889	110	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	168934	9.649	140655	9.644	120	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	303562	11.159	252533	11.153	120	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	266485	14.953	192775	14.942	138	50 - 200	0.0110	+/-0.50	
Perylene-d12 (ISTD)	258901	18.439	185567	18.427	140	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	226654	20.823	166901	20.811	136	50 - 200	0.0120	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>Gasco PreRD_DG 2019</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence:	<u>0E11029</u>	Instrument:	<u>SV-GCMS14</u>
Matrix:	<u>Sediment</u>	Calibration:	<u>A0D0804</u>

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0E11029-CCV1)			Lab File ID: N05112004.D			Analyzed: 05/11/20 10:09			
Naphthalene-d8 (ISTD)	244851	7.895	265079	7.906	92	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10 (ISTD)	140147	9.649	146492	9.661	96	50 - 200	-0.0120	+/-0.50	
Phenanthrene-d10 (ISTD)	248119	11.159	242013	11.165	103	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	212901	14.953	238949	14.947	89	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	210930	18.433	233103	18.41	90	50 - 200	0.0230	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	199863	20.823	190743	20.794	105	50 - 200	0.0290	+/-0.50	
Calibration Blank (0E11029-CCB1)			Lab File ID: N05112005.D			Analyzed: 05/11/20 10:42			
Naphthalene-d8 (ISTD)	240034	7.895	244851	7.895	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	133990	9.649	140147	9.649	96	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	214524	11.159	248119	11.159	86	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	196435	14.953	212901	14.953	92	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	199329	18.439	210930	18.433	95	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	191395	20.823	199863	20.823	96	50 - 200	0.0000	+/-0.50	
PDI-061SC-A-03-04-200428 (A0D0763-01RE1)			Lab File ID: N05112006.D			Analyzed: 05/11/20 11:14			
Naphthalene-d8 (ISTD)	236915	7.895	244851	7.895	97	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	138362	9.649	140147	9.649	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	240916	11.159	248119	11.159	97	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	209370	14.953	212901	14.953	98	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	208970	18.433	210930	18.433	99	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	188367	20.823	199863	20.823	94	50 - 200	0.0000	+/-0.50	
Duplicate (0050335-DUP2)			Lab File ID: N05112007.D			Analyzed: 05/11/20 11:46			
Naphthalene-d8 (ISTD)	239138	7.895	244851	7.895	98	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	147457	9.649	140147	9.649	105	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	265201	11.159	248119	11.159	107	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	264433	14.959	212901	14.953	124	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	268650	18.445	210930	18.433	127	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	242178	20.829	199863	20.823	121	50 - 200	0.0060	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E11050

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0E11050-CCV1)			Lab File ID: N05112015.D			Analyzed: 05/11/20 16:06			
Naphthalene-d8 (ISTD)	217663	7.895	265079	7.906	82	50 - 200	-0.0110	+/-0.50	
Acenaphthene-d10 (ISTD)	138626	9.655	146492	9.661	95	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	230279	11.165	242013	11.165	95	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	186770	14.965	238949	14.947	78	50 - 200	0.0180	+/-0.50	
Perylene-d12 (ISTD)	180072	18.45	233103	18.41	77	50 - 200	0.0400	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	161427	20.84	190743	20.794	85	50 - 200	0.0460	+/-0.50	
Calibration Blank (0E11050-CCB1)			Lab File ID: N05112016.D			Analyzed: 05/11/20 16:39			
Naphthalene-d8 (ISTD)	215732	7.895	217663	7.895	99	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	131402	9.655	138626	9.655	95	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	208877	11.165	230279	11.165	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	172756	14.965	186770	14.965	92	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	168430	18.451	180072	18.45	94	50 - 200	0.0010	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	152168	20.84	161427	20.84	94	50 - 200	0.0000	+/-0.50	
PDI-061SC-A-05-06-200428 (A0D0763-03RE1)			Lab File ID: N05112024.D			Analyzed: 05/11/20 21:11			
Naphthalene-d8 (ISTD)	239507	7.895	217663	7.895	110	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	153930	9.649	138626	9.655	111	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	268824	11.159	230279	11.165	117	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	218192	14.959	186770	14.965	117	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	209041	18.445	180072	18.45	116	50 - 200	-0.0050	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	175530	20.829	161427	20.84	109	50 - 200	-0.0110	+/-0.50	
PDI-061SC-A-06-07-200428 (A0D0763-04RE1)			Lab File ID: N05112025.D			Analyzed: 05/11/20 21:43			
Naphthalene-d8 (ISTD)	241010	7.895	217663	7.895	111	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	149854	9.655	138626	9.655	108	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	257907	11.165	230279	11.165	112	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	209060	14.959	186770	14.965	112	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	199596	18.445	180072	18.45	111	50 - 200	-0.0050	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	167399	20.834	161427	20.84	104	50 - 200	-0.0060	+/-0.50	
PDI-061SC-A-07-08-200428 (A0D0763-05RE1)			Lab File ID: N05112026.D			Analyzed: 05/11/20 22:14			
Naphthalene-d8 (ISTD)	250384	7.901	217663	7.895	115	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	156553	9.661	138626	9.655	113	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	281679	11.17	230279	11.165	122	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	250720	14.971	186770	14.965	134	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	245460	18.456	180072	18.45	136	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	212041	20.84	161427	20.84	131	50 - 200	0.0000	+/-0.50	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D**

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0E11050

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A0D0804

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-061SC-A-08-09-200428 (A0D0763-06RE1)			Lab File ID: N05112027.D			Analyzed: 05/11/20 22:45			
Naphthalene-d8 (ISTD)	251880	7.907	217663	7.895	116	50 - 200	0.0120	+/-0.50	
Acenaphthene-d10 (ISTD)	161411	9.661	138626	9.655	116	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	302120	11.171	230279	11.165	131	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	288862	14.977	186770	14.965	155	50 - 200	0.0120	+/-0.50	
Perylene-d12 (ISTD)	284190	18.462	180072	18.45	158	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	250064	20.852	161427	20.84	155	50 - 200	0.0120	+/-0.50	
PDI-061SC-A-04-05-200428 (A0D0763-02RE1)			Lab File ID: N05112029.D			Analyzed: 05/11/20 23:47			
Naphthalene-d8 (ISTD)	261885	7.906	217663	7.895	120	50 - 200	0.0110	+/-0.50	
Acenaphthene-d10 (ISTD)	172325	9.661	138626	9.655	124	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	329233	11.17	230279	11.165	143	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	315960	14.982	186770	14.965	169	50 - 200	0.0170	+/-0.50	
Perylene-d12 (ISTD)	298892	18.474	180072	18.45	166	50 - 200	0.0240	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	255491	20.863	161427	20.84	158	50 - 200	0.0230	+/-0.50	
PDI-061SC-B-06-08-200428 (A0D0763-11RE1)			Lab File ID: N05112030.D			Analyzed: 05/12/20 00:18			
Naphthalene-d8 (ISTD)	271658	7.906	217663	7.895	125	50 - 200	0.0110	+/-0.50	
Acenaphthene-d10 (ISTD)	167181	9.661	138626	9.655	121	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	324363	11.17	230279	11.165	141	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	310257	14.994	186770	14.965	166	50 - 200	0.0290	+/-0.50	
Perylene-d12 (ISTD)	287446	18.491	180072	18.45	160	50 - 200	0.0410	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	247786	20.904	161427	20.84	153	50 - 200	0.0640	+/-0.50	
PDI-061SC-B-02-04-200428 (A0D0763-09RE1)			Lab File ID: N05112036.D			Analyzed: 05/12/20 03:23			
Naphthalene-d8 (ISTD)	243128	7.907	217663	7.895	112	50 - 200	0.0120	+/-0.50	
Acenaphthene-d10 (ISTD)	150630	9.667	138626	9.655	109	50 - 200	0.0120	+/-0.50	
Phenanthrene-d10 (ISTD)	278938	11.176	230279	11.165	121	50 - 200	0.0110	+/-0.50	
Chrysene-d12 (ISTD)	260426	14.994	186770	14.965	139	50 - 200	0.0290	+/-0.50	
Perylene-d12 (ISTD)	234635	18.491	180072	18.45	130	50 - 200	0.0410	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	200529	20.893	161427	20.84	124	50 - 200	0.0530	+/-0.50	
PDI-061SC-B-04-06-200428 (A0D0763-10RE1)			Lab File ID: N05112037.D			Analyzed: 05/12/20 03:54			
Naphthalene-d8 (ISTD)	213818	7.906	217663	7.895	98	50 - 200	0.0110	+/-0.50	
Acenaphthene-d10 (ISTD)	126570	9.667	138626	9.655	91	50 - 200	0.0120	+/-0.50	
Phenanthrene-d10 (ISTD)	235808	11.176	230279	11.165	102	50 - 200	0.0110	+/-0.50	
Chrysene-d12 (ISTD)	220764	14.994	186770	14.965	118	50 - 200	0.0290	+/-0.50	
Perylene-d12 (ISTD)	199201	18.497	180072	18.45	111	50 - 200	0.0470	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	171742	20.898	161427	20.84	106	50 - 200	0.0580	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270D

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-A-03-04-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/11/20 11:14	2.96	40.00	
PDI-061SC-A-04-05-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/11/20 23:47	3.49	40.00	
PDI-061SC-A-05-06-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/11/20 21:11	3.38	40.00	
PDI-061SC-A-06-07-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/11/20 21:43	3.40	40.00	
PDI-061SC-A-07-08-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/11/20 22:14	3.42	40.00	
PDI-061SC-A-08-09-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/11/20 22:45	3.44	40.00	
PDI-061SC-A-09-9.9-200428	04/28/20 13:57	04/29/20 15:15	05/08/20 12:08	9.92	14.00	05/10/20 15:44	2.15	40.00	
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	05/08/20 12:08	9.94	14.00	05/09/20 15:38	1.15	40.00	
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	05/08/20 12:08	9.94	14.00	05/12/20 03:23	3.64	40.00	
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	05/08/20 12:08	9.94	14.00	05/12/20 03:54	3.66	40.00	
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	05/08/20 12:08	9.94	14.00	05/12/20 00:18	3.51	40.00	
PDI-061SC-B-08-9.9-200428	04/28/20 13:40	04/29/20 15:15	05/08/20 12:08	9.94	14.00	05/08/20 21:11	0.38	40.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: METALS

METHOD: EPA 6020A

ANALYSES DATA PACKAGE COVER PAGE

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>
<u>PDI-061SC-B-08-9-9-200428</u>	<u>A0D0763-12</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: _____



Name: _____

David G. Jack

Forms Created: _____

6/12/2020 12:05PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b, DOC-CAP

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Arsenic	0.250	0.500	mg/kg

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

INORGANIC ANALYSIS DATA SHEET

EPA 6020A

PDI-061SC-B-00-02-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-08

File ID: 0E08027-099

Sampled: 04/28/20 13:40

Prepared: 05/07/20 11:12

Analyzed: 05/08/20 17:37

Solids: 65.77

Preparation: EPA 3051A

Initial/Final: 0.49 g / 50 mL

Batch: 0050271

Sequence: 0E08027

Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	2.74	5		EPA 6020A

INORGANIC ANALYSIS DATA SHEET

EPA 6020A

PDI-061SC-B-02-04-200428

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Matrix: SE

Sampled: 04/28/20 13:40

Solids: 65.04

Batch: 0050271

Laboratory ID: A0D0763-09

Prepared: 05/07/20 11:12

Preparation: EPA 3051A

Sequence: 0E08027

SDG: Gasco PreRD_DG 2019

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

File ID: 0E08027-100

Analyzed: 05/08/20 17:42

Initial/Final: 0.503 g / 50 mL

Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.84	5		EPA 6020A

INORGANIC ANALYSIS DATA SHEET

EPA 6020A

PDI-061SC-B-04-06-200428

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Matrix: SE

Sampled: 04/28/20 13:40

Solids: 69.09

Batch: 0050271

Laboratory ID: A0D0763-10

Prepared: 05/07/20 11:12

Preparation: EPA 3051A

Sequence: 0E08027

SDG: Gasco PreRD_DG 2019

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

File ID: 0E08027-101

Analyzed: 05/08/20 17:47

Initial/Final: 0.505 g / 50 mL

Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.73	5		EPA 6020A

INORGANIC ANALYSIS DATA SHEET

EPA 6020A

PDI-061SC-B-06-08-200428

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Matrix: SE

Sampled: 04/28/20 13:40

Solids: 69.64

Batch: 0050271

Laboratory ID: A0D0763-11

Prepared: 05/07/20 11:12

Preparation: EPA 3051A

Sequence: 0E08027

SDG: Gasco PreRD_DG 2019

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

File ID: 0E08027-102

Analyzed: 05/08/20 17:52

Initial/Final: 0.513 g / 50 mL

Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.19	5		EPA 6020A

INORGANIC ANALYSIS DATA SHEET

EPA 6020A

PDI-061SC-B-08-9.9-200428

Laboratory: Apex Laboratories

Client: Anchor QEA, LLC

Matrix: SE

Sampled: 04/28/20 13:40

Solids: 67.52

Batch: 0050448

Laboratory ID: A0D0763-12RE1

Prepared: 05/12/20 13:36

Preparation: EPA 3051A

Sequence: 0E14035

SDG: Gasco PreRD_DG 2019

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

File ID: 0E14035-085

Analyzed: 05/14/20 16:59

Initial/Final: 0.512 g / 50 mL

Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.29	5		EPA 6020A

PREPARATION BATCH SUMMARY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0050271

Batch Matrix: Sediment

Preparation: EPA 3051A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050271-BLK1	0E08027-075	05/07/20 11:12	
LCS	0050271-BS1	0E08027-076	05/07/20 11:12	
PDI-061SC-B-00-02-200428	A0D0763-08	0E08027-099	05/07/20 11:12	
PDI-061SC-B-02-04-200428	A0D0763-09	0E08027-100	05/07/20 11:12	
PDI-061SC-B-04-06-200428	A0D0763-10	0E08027-101	05/07/20 11:12	
PDI-061SC-B-06-08-200428	A0D0763-11	0E08027-102	05/07/20 11:12	

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 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0050448

Batch Matrix: Sediment

Preparation: EPA 3051A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050448-BLK2	0E14035-083	05/12/20 13:36	
LCS	0050448-BS2	0E14035-084	05/12/20 13:36	
PDI-061SC-B-08-9.9-200428	A0D0763-12RE1	0E14035-085	05/12/20 13:36	

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 6020A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050271-BLK1</u>	File ID: <u>0E08027-075</u>
Prepared: <u>05/07/20 11:12</u>	Preparation: <u>EPA 3051A</u>	Initial/Final: <u>0.52 g / 50 mL</u>
Analyzed: <u>05/08/20 15:37</u>	Instrument: <u>ICPMS5</u>	
Batch: <u>0050271</u>	Sequence: <u>0E08027</u>	Calibration: <u>UNASSIGNED</u>

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7440-38-2	Arsenic	0.240	U

METHOD BLANK DATA SHEET
EPA 6020A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>	
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>	
Matrix: <u>Sediment</u>	Laboratory ID: <u>0050448-BLK2</u>	File ID: <u>0E14035-083</u>
Prepared: <u>05/12/20 13:36</u>	Preparation: <u>EPA 3051A</u>	Initial/Final: <u>0.52 g / 50 mL</u>
Analyzed: <u>05/14/20 16:48</u>	Instrument: <u>ICPMS5</u>	
Batch: <u>0050448</u>	Sequence: <u>0E14035</u>	Calibration: <u>UNASSIGNED</u>

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7440-38-2	Arsenic	0.240	U

LCS / LCS DUPLICATE RECOVERY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050271

Laboratory ID: 0050271-BS1

Preparation: EPA 3051A

Initial/Final: 0.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Arsenic	25.0	24.1	97	80 - 120

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Sediment

Batch: 0050448

Laboratory ID: 0050448-BS2

Preparation: EPA 3051A

Initial/Final: 0.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. (* = Out)	QC LIMITS REC.
Arsenic	25.0	23.8	95	80 - 120

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E08027

Instrument: ICPMS5

Matrix: Sediment

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	0E08027-ICV1	0E08027-018	05/08/20 10:45
Initial Cal Blank	0E08027-ICB1	0E08027-019	05/08/20 10:51
Instrument RL Check	0E08027-CRL1	0E08027-020	05/08/20 10:56
Instrument RL Check	0E08027-CRL2	0E08027-021	05/08/20 11:01
Instrument RL Check	0E08027-CRL3	0E08027-022	05/08/20 11:06
Instrument RL Check	0E08027-CRL4	0E08027-023	05/08/20 11:11
Calibration Check	0E08027-CCV1	0E08027-036	05/08/20 12:19
Calibration Blank	0E08027-CCB1	0E08027-037	05/08/20 12:24
Instrument RL Check	0E08027-CRL5	0E08027-038	05/08/20 12:29
Instrument RL Check	0E08027-CRL6	0E08027-039	05/08/20 12:34
Instrument RL Check	0E08027-CRL7	0E08027-040	05/08/20 12:39
Instrument RL Check	0E08027-CRL8	0E08027-041	05/08/20 12:44
Calibration Check	0E08027-CCV2	0E08027-052	05/08/20 13:40
Calibration Check	0E08027-CCV3	0E08027-053	05/08/20 13:46
Calibration Blank	0E08027-CCB2	0E08027-054	05/08/20 13:51
Instrument RL Check	0E08027-CRL9	0E08027-055	05/08/20 13:56
Instrument RL Check	0E08027-CRLA	0E08027-056	05/08/20 14:01
Instrument RL Check	0E08027-CRLB	0E08027-057	05/08/20 14:06
Instrument RL Check	0E08027-CRLC	0E08027-058	05/08/20 14:12
Calibration Check	0E08027-CCV4	0E08027-069	05/08/20 15:07
Calibration Blank	0E08027-CCB3	0E08027-070	05/08/20 15:12
Blank	0050271-BLK1	0E08027-075	05/08/20 15:37
LCS	0050271-BS1	0E08027-076	05/08/20 15:42
Calibration Check	0E08027-CCV5	0E08027-081	05/08/20 16:07
Calibration Blank	0E08027-CCB4	0E08027-082	05/08/20 16:12
Calibration Check	0E08027-CCV6	0E08027-093	05/08/20 17:07
Calibration Blank	0E08027-CCB5	0E08027-094	05/08/20 17:12
PDI-061SC-B-00-02-200428	A0D0763-08	0E08027-099	05/08/20 17:37
PDI-061SC-B-02-04-200428	A0D0763-09	0E08027-100	05/08/20 17:42
PDI-061SC-B-04-06-200428	A0D0763-10	0E08027-101	05/08/20 17:47
PDI-061SC-B-06-08-200428	A0D0763-11	0E08027-102	05/08/20 17:52
Calibration Check	0E08027-CCV7	0E08027-105	05/08/20 18:07
Calibration Blank	0E08027-CCB6	0E08027-106	05/08/20 18:12

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020A

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Sequence: <u>0E08027</u>	Instrument: <u>ICPMS5</u>
Matrix: <u>Sediment</u>	Calibration: <u>UNASSIGNED</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E08027-CCV8	0E08027-117	05/08/20 19:08
Calibration Blank	0E08027-CCB7	0E08027-118	05/08/20 19:13
Calibration Check	0E08027-CCV9	0E08027-129	05/08/20 20:09
Calibration Blank	0E08027-CCB8	0E08027-130	05/08/20 20:14
Calibration Check	0E08027-CCVA	0E08027-141	05/08/20 21:10
Calibration Blank	0E08027-CCB9	0E08027-142	05/08/20 21:15
Calibration Check	0E08027-CCVB	0E08027-151	05/08/20 22:01
Calibration Blank	0E08027-CCBA	0E08027-152	05/08/20 22:06
Instrument RL Check	0E08027-CRLD	0E08027-153	05/08/20 22:11
Instrument RL Check	0E08027-CRLE	0E08027-154	05/08/20 22:16
Instrument RL Check	0E08027-CRLF	0E08027-155	05/08/20 22:21
Instrument RL Check	0E08027-CRLG	0E08027-156	05/08/20 22:26

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.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E14035

Instrument: ICPMS5

Matrix: Sediment

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Check	0E14035-ICV1	0E14035-018	05/14/20 11:03
Initial Cal Blank	0E14035-ICB1	0E14035-019	05/14/20 11:08
Instrument RL Check	0E14035-CRL1	0E14035-020	05/14/20 11:13
Instrument RL Check	0E14035-CRL2	0E14035-021	05/14/20 11:18
Instrument RL Check	0E14035-CRL3	0E14035-022	05/14/20 11:23
Instrument RL Check	0E14035-CRL4	0E14035-023	05/14/20 11:28
Calibration Check	0E14035-CCV1	0E14035-036	05/14/20 12:37
Calibration Blank	0E14035-CCB1	0E14035-037	05/14/20 12:42
Calibration Check	0E14035-CCV2	0E14035-048	05/14/20 13:45
Calibration Check	0E14035-CCV3	0E14035-049	05/14/20 13:50
Calibration Blank	0E14035-CCB2	0E14035-050	05/14/20 13:55
Instrument RL Check	0E14035-CRL5	0E14035-051	05/14/20 14:00
Instrument RL Check	0E14035-CRL6	0E14035-052	05/14/20 14:05
Instrument RL Check	0E14035-CRL7	0E14035-053	05/14/20 14:10
Instrument RL Check	0E14035-CRL8	0E14035-054	05/14/20 14:15
Calibration Check	0E14035-CCV4	0E14035-065	05/14/20 15:17
Calibration Check	0E14035-CCV5	0E14035-066	05/14/20 15:22
Calibration Blank	0E14035-CCB3	0E14035-067	05/14/20 15:27
Calibration Check	0E14035-CCV6	0E14035-078	05/14/20 16:23
Calibration Check	0E14035-CCV7	0E14035-079	05/14/20 16:28
Calibration Blank	0E14035-CCB4	0E14035-080	05/14/20 16:33
Blank	0050448-BLK2	0E14035-083	05/14/20 16:48
LCS	0050448-BS2	0E14035-084	05/14/20 16:53
PDI-061SC-B-08-9.9-200428	A0D0763-12RE1	0E14035-085	05/14/20 16:59
Calibration Check	0E14035-CCV8	0E14035-091	05/14/20 17:29
Calibration Blank	0E14035-CCB5	0E14035-092	05/14/20 17:34
Calibration Check	0E14035-CCV9	0E14035-097	05/14/20 17:59
Calibration Blank	0E14035-CCB6	0E14035-098	05/14/20 18:05
Instrument RL Check	0E14035-CRL9	0E14035-099	05/14/20 18:10
Instrument RL Check	0E14035-CRLA	0E14035-100	05/14/20 18:15
Instrument RL Check	0E14035-CRLB	0E14035-101	05/14/20 18:20
Instrument RL Check	0E14035-CRLC	0E14035-102	05/14/20 18:25
Calibration Check	0E14035-CCVA	0E14035-113	05/14/20 19:21

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Sequence: 0E14035

Instrument: ICPMS5

Matrix: Sediment

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	0E14035-CCB7	0E14035-114	05/14/20 19:26
Calibration Check	0E14035-CCVB	0E14035-125	05/14/20 20:22
Calibration Blank	0E14035-CCB8	0E14035-126	05/14/20 20:27
Calibration Check	0E14035-CCVC	0E14035-128	05/14/20 20:37
Calibration Blank	0E14035-CCB9	0E14035-129	05/14/20 20:42
Instrument RL Check	0E14035-CRLD	0E14035-130	05/14/20 20:47
Instrument RL Check	0E14035-CRLE	0E14035-131	05/14/20 20:52
Instrument RL Check	0E14035-CRLF	0E14035-132	05/14/20 20:58
Instrument RL Check	0E14035-CRLG	0E14035-133	05/14/20 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.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: ICPMS5

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: 0E08027

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0E08027-ICV1	Arsenic	100	96.1	96	ug/L	EPA 6020A
0E08027-CCV1	Arsenic	100	95.7	96	ug/L	EPA 6020A
0E08027-CCV2	Arsenic	100	97.1	97	ug/L	EPA 6020A
0E08027-CCV3	Arsenic	100	97.1	97	ug/L	EPA 6020A
0E08027-CCV4	Arsenic	100	97.6	98	ug/L	EPA 6020A
0E08027-CCV5	Arsenic	100	97.3	97	ug/L	EPA 6020A
0E08027-CCV6	Arsenic	100	96.7	97	ug/L	EPA 6020A
0E08027-CCV7	Arsenic	100	97.1	97	ug/L	EPA 6020A
0E08027-CCV8	Arsenic	100	96.0	96	ug/L	EPA 6020A
0E08027-CCV9	Arsenic	100	97.5	98	ug/L	EPA 6020A
0E08027-CCVA	Arsenic	100	94.9	95	ug/L	EPA 6020A
0E08027-CCVB	Arsenic	100	96.5	96	ug/L	EPA 6020A

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: ICPMS5

Calibration: UNASSIGNED

Control Limit: +/- 10.00%

Sequence: 0E14035

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0E14035-ICV1	Arsenic	100	96.0	96	ug/L	EPA 6020A
0E14035-CCV1	Arsenic	100	96.5	96	ug/L	EPA 6020A
0E14035-CCV2	Arsenic	100	97.4	97	ug/L	EPA 6020A
0E14035-CCV3	Arsenic	100	95.2	95	ug/L	EPA 6020A
0E14035-CCV4	Arsenic	100	95.3	95	ug/L	EPA 6020A
0E14035-CCV5	Arsenic	100	95.2	95	ug/L	EPA 6020A
0E14035-CCV6	Arsenic	100	96.6	97	ug/L	EPA 6020A
0E14035-CCV7	Arsenic	100	96.3	96	ug/L	EPA 6020A
0E14035-CCV8	Arsenic	100	97.1	97	ug/L	EPA 6020A
0E14035-CCV9	Arsenic	100	97.3	97	ug/L	EPA 6020A
0E14035-CCVA	Arsenic	100	97.2	97	ug/L	EPA 6020A
0E14035-CCVB	Arsenic	100	97.6	98	ug/L	EPA 6020A
0E14035-CCVC	Arsenic	100	96.8	97	ug/L	EPA 6020A

* Values outside of OC limits

INSTRUMENT BLANKS

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: ICPMS5

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Sequence: 0E08027

Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0E08027-ICB1	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB1	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB2	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB3	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB4	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB5	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB6	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB7	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB8	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCB9	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E08027-CCBA	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A

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

INSTRUMENT BLANKS

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: ICPMS5

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Sequence: 0E14035

Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0E14035-ICB1	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB1	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB2	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB3	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB4	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB5	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB6	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB7	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB8	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A
0E14035-CCB9	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020A

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

CRDL STANDARD

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: ICPMS5

Calibration: UNASSIGNED

Sequence: 0E08027

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
0E08027-CRL1	Arsenic	0.180	0.182	101	ug/L	70 - 130
0E08027-CRL2	Arsenic	0.900	0.861	96	ug/L	70 - 130
0E08027-CRL3	Arsenic	1.80	1.73	96	ug/L	70 - 130
0E08027-CRL4	Arsenic	3.60	3.51	98	ug/L	70 - 130
0E08027-CRL5	Arsenic	0.180	0.192	107	ug/L	70 - 130
0E08027-CRL6	Arsenic	0.900	0.879	98	ug/L	70 - 130
0E08027-CRL7	Arsenic	1.80	1.74	97	ug/L	70 - 130
0E08027-CRL8	Arsenic	3.60	3.41	95	ug/L	70 - 130
0E08027-CRL9	Arsenic	0.180	0.162	90	ug/L	70 - 130
0E08027-CRLA	Arsenic	0.900	0.856	95	ug/L	70 - 130
0E08027-CRLB	Arsenic	1.80	1.75	97	ug/L	70 - 130
0E08027-CRLC	Arsenic	3.60	3.40	95	ug/L	70 - 130
0E08027-CRLD	Arsenic	0.180	0.188	105	ug/L	70 - 130
0E08027-CRLE	Arsenic	0.900	0.898	100	ug/L	70 - 130
0E08027-CRLF	Arsenic	1.80	1.68	93	ug/L	70 - 130
0E08027-CRLG	Arsenic	3.60	3.47	96	ug/L	70 - 130

* Values outside of QC limits

CRDL STANDARD

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: ICPMS5

Calibration: UNASSIGNED

Sequence: 0E14035

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limits
0E14035-CRL1	Arsenic	0.180	0.173	96	ug/L	70 - 130
0E14035-CRL2	Arsenic	0.900	0.883	98	ug/L	70 - 130
0E14035-CRL3	Arsenic	1.80	1.77	98	ug/L	70 - 130
0E14035-CRL4	Arsenic	3.60	3.59	100	ug/L	70 - 130
0E14035-CRL5	Arsenic	0.180	0.179	100	ug/L	70 - 130
0E14035-CRL6	Arsenic	0.900	0.947	105	ug/L	70 - 130
0E14035-CRL7	Arsenic	1.80	1.82	101	ug/L	70 - 130
0E14035-CRL8	Arsenic	3.60	3.51	97	ug/L	70 - 130
0E14035-CRL9	Arsenic	0.180	0.192	107	ug/L	70 - 130
0E14035-CRLA	Arsenic	0.900	0.877	97	ug/L	70 - 130
0E14035-CRLB	Arsenic	1.80	1.79	100	ug/L	70 - 130
0E14035-CRLC	Arsenic	3.60	3.54	98	ug/L	70 - 130
0E14035-CRLD	Arsenic	0.180	0.187	104	ug/L	70 - 130
0E14035-CRLE	Arsenic	0.900	0.923	103	ug/L	70 - 130
0E14035-CRLF	Arsenic	1.80	1.72	96	ug/L	70 - 130
0E14035-CRLG	Arsenic	3.60	3.58	99	ug/L	70 - 130

* Values outside of QC limits

HOLDING TIME SUMMARY

EPA 6020A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	05/07/20 11:12	8.90	180.00	05/08/20 17:37	10.17	180.00	
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	05/07/20 11:12	8.90	180.00	05/08/20 17:42	10.17	180.00	
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	05/07/20 11:12	8.90	180.00	05/08/20 17:47	10.17	180.00	
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	05/07/20 11:12	8.90	180.00	05/08/20 17:52	10.18	180.00	
PDI-061SC-B-08-9.9-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 13:36	14.00	180.00	05/14/20 16:59	16.14	180.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 5310 B MOD

ANALYSES DATA PACKAGE COVER PAGE

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-A-03-04-200428</u>	<u>A0D0763-01</u>	<u>SE</u>
<u>PDI-061SC-A-04-05-200428</u>	<u>A0D0763-02</u>	<u>SE</u>
<u>PDI-061SC-A-05-06-200428</u>	<u>A0D0763-03</u>	<u>SE</u>
<u>PDI-061SC-A-06-07-200428</u>	<u>A0D0763-04</u>	<u>SE</u>
<u>PDI-061SC-A-07-08-200428</u>	<u>A0D0763-05</u>	<u>SE</u>
<u>PDI-061SC-A-08-09-200428</u>	<u>A0D0763-06</u>	<u>SE</u>
<u>PDI-061SC-A-09-9-9-200428</u>	<u>A0D0763-07</u>	<u>SE</u>
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>
<u>PDI-061SC-B-08-9-9-200428</u>	<u>A0D0763-12</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

David G. Jack

Forms Created:

6/12/2020 12:05PM

Title:

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b, DOC-CAP

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Organic Carbon	0.020	0.020	% by Weight

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

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-03-04-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-01

File ID: 0E14055.txt-042

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 00:41

Solids: 65.13

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.2	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-04-05-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-02

File ID: 0E14055.txt-043

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 00:52

Solids: 66.23

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.4	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-05-06-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-03

File ID: 0E14055.txt-044

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 01:03

Solids: 68.94

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.83	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-06-07-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-04

File ID: 0E14055.txt-045

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 01:14

Solids: 72.09

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.44	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-07-08-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-05

File ID: 0E14055.txt-046

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 01:25

Solids: 72.77

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.45	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-08-09-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Matrix: SE

Laboratory ID: A0D0763-06

Cores File ID: 0E14055.txt-047

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 01:36

Solids: 68.15

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.88	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-A-09-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Matrix: SE

Laboratory ID: A0D0763-07RE1

Cores

File ID: 0e15040.txt-007

Sampled: 04/28/20 13:57

Prepared: 05/15/20 14:16

Analyzed: 05/15/20 16:04

Solids: 72.73

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050604

Sequence: 0E15040

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.075	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-061SC-B-00-02-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-08

File ID: 0E14055.txt-053

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 02:41

Solids: 65.77

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.3	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET

SM 5310 B MOD

PDI-061SC-B-02-04-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-09

File ID: 0E14055.txt-054

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 02:52

Solids: 65.04

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.1	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-B-04-06-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-10

File ID: 0E14055.txt-055

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 03:03

Solids: 69.09

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.87	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-B-06-08-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-11

File ID: 0E14055.txt-056

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 03:13

Solids: 69.64

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.49	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-061SC-B-08-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-12

File ID: 0E14055.txt-057

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:29

Analyzed: 05/15/20 03:24

Solids: 67.52

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 0050463

Sequence: 0E14055

Calibration: A0A0805

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.61	1		SM 5310 B MOD

PREPARATION BATCH SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cc

Batch: 0050463 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050463-BLK1	0E14055.txt-034	05/12/20 17:29	
LCS	0050463-BS1	0E14055.txt-035	05/12/20 17:29	
PDI-061SC-A-09-9.9-200428 (Dup)	0050463-DUP2	0E14055.txt-049	05/12/20 17:29	
PDI-061SC-A-09-9.9-200428 (Dup)	0050463-DUP3	0E14055.txt-050	05/12/20 17:29	
PDI-061SC-A-03-04-200428	A0D0763-01	0E14055.txt-042	05/12/20 17:29	
PDI-061SC-A-04-05-200428	A0D0763-02	0E14055.txt-043	05/12/20 17:29	
PDI-061SC-A-05-06-200428	A0D0763-03	0E14055.txt-044	05/12/20 17:29	
PDI-061SC-A-06-07-200428	A0D0763-04	0E14055.txt-045	05/12/20 17:29	
PDI-061SC-A-07-08-200428	A0D0763-05	0E14055.txt-046	05/12/20 17:29	
PDI-061SC-A-08-09-200428	A0D0763-06	0E14055.txt-047	05/12/20 17:29	
PDI-061SC-B-00-02-200428	A0D0763-08	0E14055.txt-053	05/12/20 17:29	
PDI-061SC-B-02-04-200428	A0D0763-09	0E14055.txt-054	05/12/20 17:29	
PDI-061SC-B-04-06-200428	A0D0763-10	0E14055.txt-055	05/12/20 17:29	
PDI-061SC-B-06-08-200428	A0D0763-11	0E14055.txt-056	05/12/20 17:29	
PDI-061SC-B-08-9.9-200428	A0D0763-12	0E14055.txt-057	05/12/20 17:29	

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.

PREPARATION BATCH SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Batch: 0050604 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0050604-BLK1	0e15040.txt-005	05/15/20 14:16	
LCS	0050604-BS1	0e15040.txt-006	05/15/20 14:16	
PDI-061SC-A-09-9.9-200428 (Dup)	0050604-DUP1	0e15040.txt-008	05/15/20 14:16	
PDI-061SC-A-09-9.9-200428 (Dup)	0050604-DUP2	0e15040.txt-009	05/15/20 14:16	
PDI-061SC-A-09-9.9-200428	A0D0763-07RE1	0e15040.txt-007	05/15/20 14:16	

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 B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>		
Matrix: <u>Soil</u>	Laboratory ID: <u>0050463-BLK1</u>	File ID: <u>0E14055.txt-034</u>	
Prepared: <u>05/12/20 17:29</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>	
Analyzed: <u>05/14/20 23:15</u>	Instrument: <u>TOC6</u>		
Batch: <u>0050463</u>	Sequence: <u>0E14055</u>	Calibration: <u>A0A0805</u>	

CAS NO.	COMPOUND	CONC. (% by Weight)	Q
TOC	Total Organic Carbon	0.020	U

METHOD BLANK DATA SHEET
SM 5310 B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>		
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>		
Matrix: <u>Soil</u>	Laboratory ID: <u>0050604-BLK1</u>	File ID: <u>0e15040.txt-005</u>	
Prepared: <u>05/15/20 14:16</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>	
Analyzed: <u>05/15/20 15:42</u>	Instrument: <u>TOC6</u>		
Batch: <u>0050604</u>	Sequence: <u>0E15040</u>	Calibration: <u>A0A0805</u>	

CAS NO.	COMPOUND	CONC. (% by Weight)	Q
TOC	Total Organic Carbon	0.020	U

LCS / LCS DUPLICATE RECOVERY
SM 5310 B MOD

Laboratory:	<u>Apex Laboratories</u>	SDG:	<u>Gasco PreRD_DG 2019</u>
Client:	<u>Anchor QEA, LLC</u>	Project:	<u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co</u>
Matrix:	<u>Soil</u>		
Batch:	<u>0050463</u>	Laboratory ID:	<u>0050463-BS1</u>
Preparation:	<u>PSEP-5310B TOC</u>	Initial/Final:	<u>0.2 N/A / 0.2 N/A</u>

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC. (* = Out)	QC LIMITS REC.
Total Organic Carbon	10000	10000	101	90 - 110

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Matrix: Soil

Batch: 0050604

Laboratory ID: 0050604-BS1

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC. (* = Out)	QC LIMITS REC.
Total Organic Carbon	10000	10000	100	90 - 110

* = Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-061SC-A-09-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Soil

Laboratory ID: 0050463-DUP2

Batch: 0050463

Lab Source ID: A0D0763-07

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Source Sample Name: PDI-061SC-A-09-9.9-200428

% Solids: 72.73

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.072		0.071		0.3		SM 5310 B MOD

* Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-061SC-A-09-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP

Matrix: Soil

Laboratory ID: 0050463-DUP3

Batch: 0050463

Lab Source ID: A0D0763-07

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Source Sample Name: PDI-061SC-A-09-9.9-200428

% Solids: 72.73

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.072		0.079		10		SM 5310 B MOD

* Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-061SC-A-09-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Soil

Laboratory ID: 0050604-DUP1

Batch: 0050604

Lab Source ID: A0D0763-07RE1

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Source Sample Name: PDI-061SC-A-09-9.9-200428

% Solids: 72.73

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.075		0.068		10		SM 5310 B MOD

* Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-061SC-A-09-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP

Matrix: Soil

Laboratory ID: 0050604-DUP2

Batch: 0050604

Lab Source ID: A0D0763-07RE1

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Source Sample Name: PDI-061SC-A-09-9.9-200428

% Solids: 72.73

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.075		0.074		2		SM 5310 B MOD

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0A08052

Instrument: TOC6

Matrix: Soil

Calibration: A0A0805

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0A08052-CAL2	0A08052.txt-005	01/08/20 18:59
Cal Standard	0A08052-CAL3	0A08052.txt-006	01/08/20 19:09
Cal Standard	0A08052-CAL4	0A08052.txt-007	01/08/20 19:20
Cal Standard	0A08052-CAL5	0A08052.txt-008	01/08/20 19:31
Cal Standard	0A08052-CAL6	0A08052.txt-009	01/08/20 19:42
Cal Standard	0A08052-CAL7	0A08052.txt-010	01/08/20 19:53
Cal Standard	0A08052-CAL8	0A08052.txt-011	01/08/20 20:03
Cal Standard	0A08052-CAL9	0A08052.txt-012	01/08/20 20:14
Initial Cal Check	0A08052-ICV1	0A08052.txt-014	01/08/20 20:36
Initial Cal Blank	0A08052-ICB1	0A08052.txt-015	01/08/20 20:47

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 B MOD

Laboratory: <u>Apex Laboratories</u>	SDG: <u>Gasco PreRD_DG 2019</u>
Client: <u>Anchor QEA, LLC</u>	Project: <u>Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C</u>
Sequence: <u>0E14055</u>	Instrument: <u>TOC6</u>
Matrix: <u>Soil</u>	Calibration: <u>A0A0805</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E14055-CCV1	0E14055.txt-003	05/14/20 17:40
Calibration Blank	0E14055-CCB1	0E14055.txt-004	05/14/20 17:51
Calibration Check	0E14055-CCV2	0E14055.txt-015	05/14/20 19:49
Calibration Blank	0E14055-CCB2	0E14055.txt-016	05/14/20 20:00
Calibration Check	0E14055-CCV3	0E14055.txt-027	05/14/20 21:59
Calibration Blank	0E14055-CCB3	0E14055.txt-028	05/14/20 22:10
Blank	0050463-BLK1	0E14055.txt-034	05/14/20 23:15
LCS	0050463-BS1	0E14055.txt-035	05/14/20 23:25
Calibration Check	0E14055-CCV4	0E14055.txt-039	05/15/20 00:09
Calibration Blank	0E14055-CCB4	0E14055.txt-040	05/15/20 00:20
PDI-061SC-A-03-04-200428	A0D0763-01	0E14055.txt-042	05/15/20 00:41
PDI-061SC-A-04-05-200428	A0D0763-02	0E14055.txt-043	05/15/20 00:52
PDI-061SC-A-05-06-200428	A0D0763-03	0E14055.txt-044	05/15/20 01:03
PDI-061SC-A-06-07-200428	A0D0763-04	0E14055.txt-045	05/15/20 01:14
PDI-061SC-A-07-08-200428	A0D0763-05	0E14055.txt-046	05/15/20 01:25
PDI-061SC-A-08-09-200428	A0D0763-06	0E14055.txt-047	05/15/20 01:36
PDI-061SC-A-09-9.9-200428 (Dup)	0050463-DUP2	0E14055.txt-049	05/15/20 01:57
PDI-061SC-A-09-9.9-200428 (Dup)	0050463-DUP3	0E14055.txt-050	05/15/20 02:08
Calibration Check	0E14055-CCV5	0E14055.txt-051	05/15/20 02:19
Calibration Blank	0E14055-CCB5	0E14055.txt-052	05/15/20 02:30
PDI-061SC-B-00-02-200428	A0D0763-08	0E14055.txt-053	05/15/20 02:41
PDI-061SC-B-02-04-200428	A0D0763-09	0E14055.txt-054	05/15/20 02:52
PDI-061SC-B-04-06-200428	A0D0763-10	0E14055.txt-055	05/15/20 03:03
PDI-061SC-B-06-08-200428	A0D0763-11	0E14055.txt-056	05/15/20 03:13
PDI-061SC-B-08-9.9-200428	A0D0763-12	0E14055.txt-057	05/15/20 03:24
Calibration Check	0E14055-CCV6	0E14055.txt-058	05/15/20 03:35
Calibration Blank	0E14055-CCB6	0E14055.txt-059	05/15/20 03:46

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 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Sequence: 0E15040

Instrument: TOC6

Matrix: Soil

Calibration: A0A0805

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0E15040-CCV1	0e15040.txt-003	05/15/20 15:21
Calibration Blank	0E15040-CCB1	0e15040.txt-004	05/15/20 15:31
Blank	0050604-BLK1	0e15040.txt-005	05/15/20 15:42
LCS	0050604-BS1	0e15040.txt-006	05/15/20 15:53
PDI-061SC-A-09-9.9-200428	A0D0763-07RE1	0e15040.txt-007	05/15/20 16:04
PDI-061SC-A-09-9.9-200428 (Dup)	0050604-DUP1	0e15040.txt-008	05/15/20 16:14
PDI-061SC-A-09-9.9-200428 (Dup)	0050604-DUP2	0e15040.txt-009	05/15/20 16:25
Calibration Check	0E15040-CCV2	0e15040.txt-011	05/15/20 16:47
Calibration Blank	0E15040-CCB2	0e15040.txt-012	05/15/20 16:58

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 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing

Calibration: A0A0805

Date: 01/08/20 16:30

Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	107.0509	Lin	3.685489			0.99994			

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 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te

Calibration: A0A0805

Instrument: TOC6

Calibration Date: 01/08/20 16:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	200	114.6217	500	110.0738	1000	108.4645	2500	105.6496	5000	103.2242	12500	102.6331

INITIAL CALIBRATION DATA (Continued)

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Te

Calibration: AOA0805

Instrument: TOC6

Matrix:

Calibration Date: 01/08/20 16:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	25000	106.7626	50000	104.9773								

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: TOC6

Calibration: A0A0805

Control Limit: +/- 10.00%

Sequence: 0A08052

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0A08052-ICV1	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: TOC6

Calibration: A0A0805

Control Limit: +/- 10.00%

Sequence: 0E14055

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0E14055-CCV1	Total Organic Carbon	10000	9900	99	mg/kg	SM 5310 B MOD
0E14055-CCV2	Total Organic Carbon	10000	9800	98	mg/kg	SM 5310 B MOD
0E14055-CCV3	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD
0E14055-CCV4	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD
0E14055-CCV5	Total Organic Carbon	10000	9900	99	mg/kg	SM 5310 B MOD
0E14055-CCV6	Total Organic Carbon	10000	10000	100	mg/kg	SM 5310 B MOD

* Values outside of OC limits

INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Co

Instrument ID: TOC6

Calibration: A0A0805

Control Limit: +/- 10.00%

Sequence: 0E15040

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0E15040-CCV1	Total Organic Carbon	10000	9900	99	mg/kg	SM 5310 B MOD
0E15040-CCV2	Total Organic Carbon	10000	9700	97	mg/kg	SM 5310 B MOD

* Values outside of OC limits

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Instrument ID: TOC6

Calibration: A0A0805

Sequence: 0A08052

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0A08052-ICB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Sequence: 0E14055

Calibration: A0A0805

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0E14055-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0E14055-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0E14055-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0E14055-CCB4	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0E14055-CCB5	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0E14055-CCB6	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

INSTRUMENT BLANKS
SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Instrument ID: TOC6

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Sequence: 0E15040

Calibration: A0A0805

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0E15040-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
0E15040-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD

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

HOLDING TIME SUMMARY

SM 5310 B MOD

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-A-03-04-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:29	14.15	28.00	05/15/20 00:41	16.45	28.00	
PDI-061SC-A-04-05-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:29	14.15	28.00	05/15/20 00:52	16.46	28.00	
PDI-061SC-A-05-06-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:29	14.15	28.00	05/15/20 01:03	16.46	28.00	
PDI-061SC-A-06-07-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:29	14.15	28.00	05/15/20 01:14	16.47	28.00	
PDI-061SC-A-07-08-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:29	14.15	28.00	05/15/20 01:25	16.48	28.00	
PDI-061SC-A-08-09-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:29	14.15	28.00	05/15/20 01:36	16.49	28.00	
PDI-061SC-A-09-9.9-200428	04/28/20 13:57	04/29/20 15:15	05/15/20 14:16	17.01	28.00	05/15/20 16:04	17.09	28.00	
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:29	14.16	28.00	05/15/20 02:41	16.54	28.00	
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:29	14.16	28.00	05/15/20 02:52	16.55	28.00	
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:29	14.16	28.00	05/15/20 03:03	16.56	28.00	
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:29	14.16	28.00	05/15/20 03:13	16.57	28.00	
PDI-061SC-B-08-9.9-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:29	14.16	28.00	05/15/20 03:24	16.57	28.00	

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing C

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-061SC-A-03-04-200428</u>	<u>A0D0763-01</u>	<u>SE</u>
<u>PDI-061SC-A-04-05-200428</u>	<u>A0D0763-02</u>	<u>SE</u>
<u>PDI-061SC-A-05-06-200428</u>	<u>A0D0763-03</u>	<u>SE</u>
<u>PDI-061SC-A-06-07-200428</u>	<u>A0D0763-04</u>	<u>SE</u>
<u>PDI-061SC-A-07-08-200428</u>	<u>A0D0763-05</u>	<u>SE</u>
<u>PDI-061SC-A-08-09-200428</u>	<u>A0D0763-06</u>	<u>SE</u>
<u>PDI-061SC-A-09-9.9-200428</u>	<u>A0D0763-07</u>	<u>SE</u>
<u>PDI-061SC-B-00-02-200428</u>	<u>A0D0763-08</u>	<u>SE</u>
<u>PDI-061SC-B-02-04-200428</u>	<u>A0D0763-09</u>	<u>SE</u>
<u>PDI-061SC-B-04-06-200428</u>	<u>A0D0763-10</u>	<u>SE</u>
<u>PDI-061SC-B-06-08-200428</u>	<u>A0D0763-11</u>	<u>SE</u>
<u>PDI-061SC-B-08-9.9-200428</u>	<u>A0D0763-12</u>	<u>SE</u>

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 authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

David G. Jack

Forms Created:

6/12/2020 12:05PM

Title:

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b, DOC-CAP

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Total Solids	1.00	1.00	% by Weight

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

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-03-04-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-01

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 65.13

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	65.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-04-05-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-02

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 66.23

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	66.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-05-06-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-03

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 68.94

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	68.9	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-06-07-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-04

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 72.09

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	72.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-07-08-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-05

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 72.77

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	72.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-08-09-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-06

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 68.15

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	68.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-A-09-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-07

Sampled: 04/28/20 13:57

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 72.73

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	72.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-B-00-02-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-08

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 65.77

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	65.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-B-02-04-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-09

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 65.04

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	65.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-B-04-06-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-10

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 69.09

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	69.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-B-06-08-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-11

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 69.64

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	69.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-061SC-B-08-9.9-200428

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores

Matrix: SE

Laboratory ID: A0D0763-12

Sampled: 04/28/20 13:40

Prepared: 05/12/20 17:21

Analyzed: 05/15/20 14:30

Solids: 67.52

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0050462

Calibration:

Instrument: Wet Chem Balance 1

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	67.5	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cc

Batch: 0050462

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-061SC-A-09-9.9-200428 (Dup)	0050462-DUP1		05/12/20 17:21	
PDI-061SC-A-03-04-200428	A0D0763-01		05/12/20 17:21	
PDI-061SC-A-04-05-200428	A0D0763-02		05/12/20 17:21	
PDI-061SC-A-05-06-200428	A0D0763-03		05/12/20 17:21	
PDI-061SC-A-06-07-200428	A0D0763-04		05/12/20 17:21	
PDI-061SC-A-07-08-200428	A0D0763-05		05/12/20 17:21	
PDI-061SC-A-08-09-200428	A0D0763-06		05/12/20 17:21	
PDI-061SC-A-09-9.9-200428	A0D0763-07		05/12/20 17:21	
PDI-061SC-B-00-02-200428	A0D0763-08		05/12/20 17:21	
PDI-061SC-B-02-04-200428	A0D0763-09		05/12/20 17:21	
PDI-061SC-B-04-06-200428	A0D0763-10		05/12/20 17:21	
PDI-061SC-B-06-08-200428	A0D0763-11		05/12/20 17:21	
PDI-061SC-B-08-9.9-200428	A0D0763-12		05/12/20 17:21	

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.

DUPLICATES

PDI-061SC-A-09-9.9-200428

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP

Matrix: Sediment

Laboratory ID: 0050462-DUP1

Batch: 0050462

Lab Source ID: A0D0763-07

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Source Sample Name: PDI-061SC-A-09-9.9-200428

% Solids: 72.73

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	72.7		72.9		0.2		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C

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
PDI-061SC-A-03-04-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-A-04-05-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-A-05-06-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-A-06-07-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-A-07-08-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-A-08-09-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-A-09-9.9-200428	04/28/20 13:57	04/29/20 15:15	05/12/20 17:21	14.14	180.00	05/15/20 14:30	2.88		
PDI-061SC-B-00-02-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:21	14.15	180.00	05/15/20 14:30	2.88		
PDI-061SC-B-02-04-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:21	14.15	180.00	05/15/20 14:30	2.88		
PDI-061SC-B-04-06-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:21	14.15	180.00	05/15/20 14:30	2.88		
PDI-061SC-B-06-08-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:21	14.15	180.00	05/15/20 14:30	2.88		
PDI-061SC-B-08-9.9-200428	04/28/20 13:40	04/29/20 15:15	05/12/20 17:21	14.15	180.00	05/15/20 14:30	2.88		

Raw Data

**Selected Volatile Organic Compounds by EPA 5035A/8260C
Benchsheet & Analysis Sequence Data**

Batch 0050065
Sequence 0E03020 (A0D0763-08,09,10,11,12)

PREPARATION BENCH SHEET

Apex Laboratories



BATCH #: 0050065 (Soil)

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
0050065-BLK1		QC	05/03/20 09:00	7.5	5							
0050065-BS1		QC	05/03/20 09:00	5	5	A20D338		250				
0050065-BS2		QC	05/03/20 09:00	5	5	A20D403		250				
A0D0758-07REI	C	8260C BTEX+Halo6	(Date Sampled)	5.08	5					PDI-054SC-B-07-11.1-200428	FP 50X (RR3) BTEX+HALO6	
A0D0758-16	C	8260C BTEX+Halo6	(Date Sampled)	5.44	5					PDI-060SC-B-02-04-200428	FP	
A0D0758-17	C	8260C BTEX+Halo6	(Date Sampled)	4.87	5					PDI-060SC-B-04-06-200428	FP	
A0D0758-18	C	8260C BTEX+Halo6	(Date Sampled)	5.32	5					PDI-060SC-B-06-08-200428	FP	
A0D0758-19	C	8260C BTEX+Halo6	(Date Sampled)	6.25	5					PDI-060SC-B-08-10.9-200428	FP	
A0D0763-08	C	8260C BTEX+Halo6	(Date Sampled)	6.15	5					PDI-061SC-B-00-02-200428	FP	
A0D0763-09	C	8260C BTEX+Halo6	(Date Sampled)	6.52	5					PDI-061SC-B-02-04-200428	FP	
A0D0763-10	C	8260C BTEX+Halo6	(Date Sampled)	5.7	5					PDI-061SC-B-04-06-200428	FP	
A0D0763-11	C	8260C BTEX+Halo6	(Date Sampled)	4.27	5					PDI-061SC-B-06-08-200428	FP	
A0D0763-12	C	8260C BTEX+Halo6	(Date Sampled)	6.45	5					PDI-061SC-B-08-9.9-200428	FP	
A0D0764-08	C	8260C BTEX+Halo6	(Date Sampled)	8.25	5					PDI-065SC-B-00-02-200429	FP	
A0D0764-09	E	8260C BTEX+Halo6	(Date Sampled)	5.48	5					PDI-065SC-B-02-05-200429	FP	
0050065-MS1		QC	04/29/20 12:55	5.48	5	A20D338	A0D0764-09	347			DW = 64.5% @50X	
0050065-MSD1		QC	04/29/20 12:55	5.48	5	A20D338	A0D0764-09	347			DW = 64.5% @50X	
A0D0764-10	C	8260C BTEX+Halo6	(Date Sampled)	5.73	5					PDI-065SC-B-05-07-200429	FP	
A0D0764-11	C	8260C BTEX+Halo6	(Date Sampled)	5.58	5					PDI-065SC-B-07-10-200429	FP	
A0D0764-12	C	8260C BTEX+Halo6	(Date Sampled)	5.83	5					PDI-065SC-B-10-12.1-200429	FP	
A0D0764-13	C	8260C BTEX+Halo6	(Date Sampled)	4.72	5					PDI-1065SC-B-00-02-200429	FP	

*pH <2 verified NA

Prepared By: JB Date: 5/19/20

Reviewed By: IMA Date: 5/19/20

PREPARATION BENCH SHEET

Apex Laboratories



BATCH #: 0050065 (Soil)

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
------------	-------	----------	----------	-------------	------------	----------	-----------	----------	----------	-------------------	---------------------	-----

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A18J327	11/30/23	Balance s/n 593312	A20D338	10/05/20	8260 Cal. Std. B VOC+OXY Spike (20-40ug/ml)			
A19J076	10/04/20	Methanol - Fisher (P/T) #191722	A20D403	09/13/20	Prim NWTPH-Gx Spike (500 ug/mL)			

SOIL MS6

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Volatile Soils Matrix Spike Volume Calculation (Validated 5/3/2013)

Enter the Spike Amount value into the Bench Sheet to ensure correct MS/MSD recoveries.

Batch: OO50065

Matrix Spike

Sample Weight g	Final Volume mL	Dilution	Dry Weight %
5.480	5	50	64.5

Final Spike Level ug/kg	Spike Amount ul
1964.97	347

Assumptions:

Spiking Solution = 20ug/mL

Spike Amount into 50mL = 50ul

Dilution = 1mL of MeOH to 50mL of water

Initial Spike Concentration = 20ug/L

A0D0764-09

BS 5/19/20

Worksheet

5035 Field Prep Worksheet (Validated 7/11/16)

Sample ID	Container	Container Weight (g)	Tare Weight (g)	Net Sample Weight (g)	Formula Check
A0D0758-16	C	38.73	33.29	5.44	
17	C	38.38	33.51	4.87	
18	C	38.69	33.37	5.32	
19	C	39.68	33.43	6.25	
A0D0763-08	C	39.66	33.51	6.15	
9	C	40.15	33.63	6.52	
10	C	38.41	32.71	5.7	
11	C	37.94	33.67	4.27	
12	C	40.14	33.69	6.45	
A0D0764-8	C	41.16	32.91	8.25	
9	E	39.24	33.76	5.48	
10	C	39.29	33.56	5.73	
11	C	39.34	33.76	5.58	
12	C	39.36	33.53	5.83	
13	C	38.79	34.07	4.72	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	

IMA
5/5/20

A0D0758

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0D0758-16 PDI-060SC-B-02-04-200428 Sampled: 04/28/20 10:15

C Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 38.73 Tare Weight (g) 33.29 Volume MeOH (mL) 5 10 15 Other Notes:

D Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 38.79 Tare Weight (g) 33.62 Volume MeOH (mL) 5 10 15 Other Notes:

BTEX + HALO6 Due: TAT:

A0D0758-17 PDI-060SC-B-04-06-200428 Sampled: 04/28/20 10:15

C Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 38.38 Tare Weight (g) 33.51 Volume MeOH (mL) 5 10 15 Other Notes:

D Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 39.09 Tare Weight (g) 33.63 Volume MeOH (mL) 5 10 15 Other Notes:

Due: TAT:

A0D0758-18 PDI-060SC-B-06-08-200428 Sampled: 04/28/20 10:15

C Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 38.67 Tare Weight (g) 33.37 Volume MeOH (mL) 5 10 15 Other Notes:

D Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 38.52 Tare Weight (g) 33.41 Volume MeOH (mL) 5 10 15 Other Notes:

Due: TAT:

A0D0758-19 PDI-060SC-B-08-10.9-200428 Sampled: 04/28/20 10:15

C Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 39.68 Tare Weight (g) 33.43 Volume MeOH (mL) 5 10 15 Other Notes:

D Sediment 40 mL VOA - 5035 (MeOH) Container Weight (g) 39.52 Tare Weight (g) 32.97 Volume MeOH (mL) 5 10 15 Other Notes:

Due: TAT:

Weighed by: 80 @ 4/30/20 1034

Methanol Reagent ID: A19J076~

Balance ID: A18J327~

A0D0763

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0D0763-08 **PDI-061SC-B-00-02-200428** **Sampled: 04/28/20 13:40**

C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.66	Tare Weight (g) 33.51	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.51	Tare Weight (g) 33.46	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

BTEX + HALO6 Due: TAT:

A0D0763-09 **PDI-061SC-B-02-04-200428** **Sampled: 04/28/20 13:40**

C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 40.15	Tare Weight (g) 33.63	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 38.85	Tare Weight (g) 33.37	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

Due: TAT:

A0D0763-10 **PDI-061SC-B-04-06-200428** **Sampled: 04/28/20 13:40**

C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 38.41	Tare Weight (g) 32.71	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.12	Tare Weight (g) 33.65	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

Due: TAT:

A0D0763-11 **PDI-061SC-B-06-08-200428** **Sampled: 04/28/20 13:40**

C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 37.94	Tare Weight (g) 33.67	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 40.61	Tare Weight (g) 33.11	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

Due: TAT:

A0D0763-12 **PDI-061SC-B-08-8.9-200428** **Sampled: 04/28/20 13:40**

C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 40.14	Tare Weight (g) 33.69	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.61	Tare Weight (g) 33.58	Volume MeOH (mL) 5 10 15 Other	Notes:
----------------------	-------------------------------	-------------------------------	--------------------------	-----------------------------------	--------

Due: TAT:

Weighed by: (80) @ 4/2-4/30/20 1140 (80) 4/28/20

Methanol Reagent ID: A19J076~ Balance ID: A18J327~

A0D0764

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0D0764-08		PDI-065SC-B-00-02-200429			Sampled: 04/29/20 12:55
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 41.16	Tare Weight (g) 32.91	Volume MeOH (mL) (5) 10 15 Other	Notes:
D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 37.99	Tare Weight (g) 33.21	Volume MeOH (mL) (5) 10 15 Other	Notes:

BTEX + HALOG Due: TAT:

A0D0764-09		PDI-065SC-B-02-05-200429			Sampled: 04/29/20 12:55
E Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.24	Tare Weight (g) 33.76	Volume MeOH (mL) (5) 10 15 Other	Notes: MS/MSD
F Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 38.40	Tare Weight (g) 33.51	Volume MeOH (mL) (5) 10 15 Other	Notes:
G Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.40	Tare Weight (g) 33.77	Volume MeOH (mL) (5) 10 15 Other	Notes:
H Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 38.66	Tare Weight (g) 33.33	Volume MeOH (mL) (5) 10 15 Other	Notes:
I Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.29	Tare Weight (g) 33.46	Volume MeOH (mL) (5) 10 15 Other	Notes:
J Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.13	Tare Weight (g) 33.77	Volume MeOH (mL) (5) 10 15 Other	Notes:

Due: TAT:

A0D0764-10		PDI-065SC-B-05-07-200429			Sampled: 04/29/20 12:55
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.29	Tare Weight (g) 33.56	Volume MeOH (mL) (5) 10 15 Other	Notes:
D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.12	Tare Weight (g) 33.62	Volume MeOH (mL) (5) 10 15 Other	Notes:

Due: TAT:

A0D0764-11		PDI-065SC-B-07-10-200429			Sampled: 04/29/20 12:55
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.34	Tare Weight (g) 33.76	Volume MeOH (mL) (5) 10 15 Other	Notes:
D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.28	Tare Weight (g) 33.50	Volume MeOH (mL) (5) 10 15 Other	Notes:

Due: TAT:

Weighed by: [Signature] @ 4/30/20 1303

Methanol Reagent ID: A19J076~

Balance ID: A18J327~

A0D0764

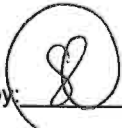
5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0D0764-12		PDI-065SC-B-10-12.1-200429			Sampled: 04/29/20 12:55
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.36	Tare Weight (g) 33.53	Volume MeOH (mL) 5 10 15 Other	Notes:
D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 39.18	Tare Weight (g) 33.29	Volume MeOH (mL) 5 10 15 Other	Notes:
BTEX + HALOG		Due:	TAT:		

A0D0764-13		PDI-1065SC-B-00-02-200429			Sampled: 04/29/20 12:55
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 38.79	Tare Weight (g) 34.07	Volume MeOH (mL) 5 10 15 Other	Notes:
D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g) 37.87	Tare Weight (g) 33.54	Volume MeOH (mL) 5 10 15 Other	Notes:
		Due:	TAT:		

Weighed by:



@ 4/30/20 1303

Methanol Reagent ID: A19J076~

Balance ID: A18J327~



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E03020**

Instrument: **VOA-GCMS6**

Date: **05/03/20 12:46**

Calibration: **A0D1705**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E03020-IBL1	Soil	QC	QC			A19L229	
2	0E03020-TUN1	Soil	QC	QC			A19L229	
3	0E03020-CCV1	Soil	QC	QC			A19L229	
4	0050065-BS1	Soil	QC	QC		0050065	A19L229	
5	0E03020-CCV2	Soil	QC	QC			A19L229	
6	0050065-BS2	Soil	QC	QC		0050065	A19L229	
7	0050065-BLK1	Soil	QC	QC		0050065	A19L229	
8	A0D0758-07RE1	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
9	0E03020-IBL2	Soil	QC	QC			A19L229	
10	A0D0758-16	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
11	A0D0758-17	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
12	A0D0758-18	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
13	A0D0758-19	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
14	A0D0763-08	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
15	A0D0763-09	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
16	A0D0763-10	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
17	A0D0763-11	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
18	A0D0763-12	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
19	A0D0764-08	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
20	A0D0764-13	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
21	0E03020-IBL3	Soil	QC	QC			A19L229	
22	A0D0764-10	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
23	A0D0764-11	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
24	A0D0764-12	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
25	A0D0764-09	Soil	8260C BTEX+Halo6	Anchor QEA, LLC	05/12/20	0050065	A19L229	
26	0050065-MS1	Soil	QC	QC		0050065	A19L229	
27	0050065-MSD1	Soil	QC	QC		0050065	A19L229	
28	0E03020-IBL4	Soil	QC	QC			A19L229	

IMA
5/5/20

Data Entered By: _____

Comments:

Data Reviewed By: MKZ 5/19/2020

5/5/2020 4:05:03PM

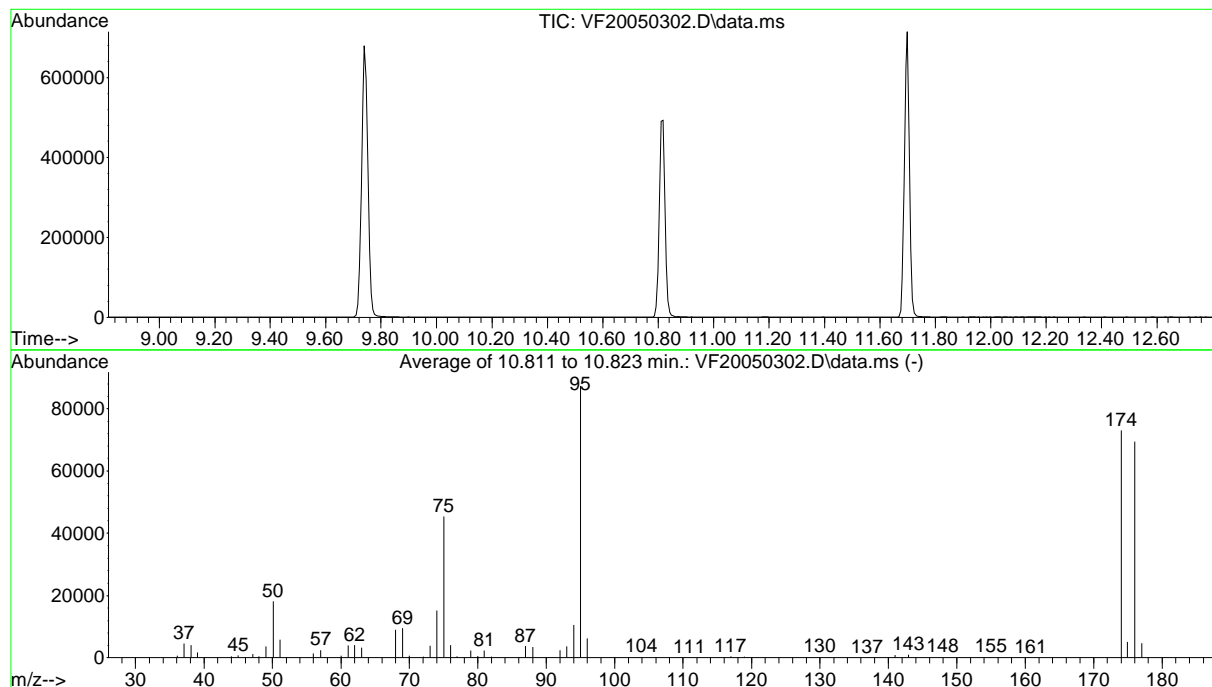
BFB

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050302.D
Acq On : 3 May 2020 1:36 pm
Operator : IMA
Sample : 0E03020-TUN1
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

IMA
5/5/20

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\VF200415S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Apr 16 13:10:17 2020



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1524

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	119.6	87325	PASS
96	95	5	9	7.2	6274	PASS
173	174	0.00	2	0.4	296	PASS
174	95	50	200	83.6	73005	PASS
175	174	5	9	7.1	5199	PASS
176	174	95	105	95.1	69458	PASS
177	176	5	10	6.6	4610	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050302.D
 Acq On : 3 May 2020 1:36 pm
 Operator : IMA
 Sample : 0E03020-TUN1
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:42:51 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

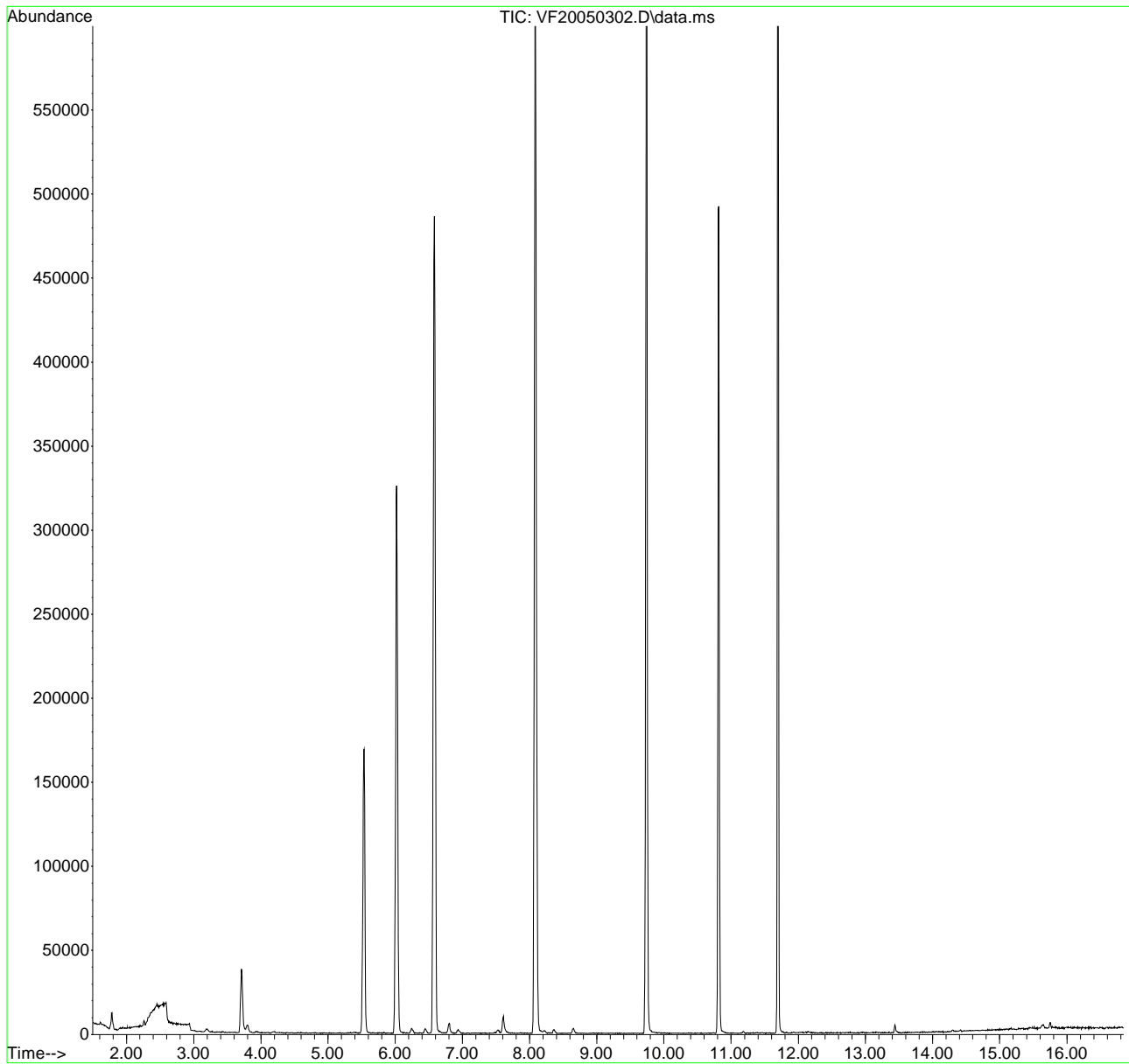
Internal Standards							
1) Pentafluorobenzene (I)	6.017	99	135845	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.740	117	335666	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	144328	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	112905	49.09	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.583	114	413848	49.15	ug/L	0.00	
45) Toluene-d8 (S)	8.086	98	496937	52.16	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	115474	50.57	ug/L	0.00	
Target Compounds							
							Qvalue
3) Chloromethane	1.807	50	576	0.14	ug/L		77
5) Bromomethane	2.258	96	1775	0.68	ug/L		95
6) Chloroethane	2.379	64	170	0.26	ug/L #		1
8) Ethanol	3.201	45	2462	39.21	ug/L #		76
12) Iodomethane	3.225	142	159	2.72	ug/L #		47
13) Methylene Chloride	3.712	84	17912	5.92	ug/L		84
14) Acetone	3.803	43	4946	3.02	ug/L		94
18) tert-Butanol (TBA)	4.186	59	857	1.56	ug/L #		53
28) Tetrahydrofuran	5.524	42	347	0.17	ug/L #		70
36) iso-Butyl Alcohol	6.242	43	1441	6.63	ug/L		97
39) tert-Amyl ethyl ether ...	6.808	59	1066	0.12	ug/L #		63
84) Naphthalene	13.439	128	3703	0.51	ug/L		97

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050302.D
Acq On : 3 May 2020 1:36 pm
Operator : IMA
Sample : 0E03020-TUN1
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:42:51 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050303.D
 Acq On : 3 May 2020 2:03 pm
 Operator : IMA
 Sample : 0050065-BS1
 Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

BTEX+HALO6 sequence

IMA
5/5/20

Quant Time: May 04 09:43:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 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 (I)	50.000	50.000	0.0	128	0.00
2	Dichlorodifluoromethane	20.000	22.025	-10.1	146	0.00
3 P	Chloromethane	20.000	16.654	16.7	111	0.00
4 C	Vinyl Chloride	20.000	22.205	-11.0	145	0.00
5	Bromomethane	20.000	23.348	-16.7	154	0.00
6	Chloroethane	20.000	22.747	-13.7	152	0.00
7	Trichlorofluoromethane	20.000	23.266	-16.3	141	0.00
8	Ethanol	1250.000	976.486	21.9#	98	0.00
9 C	1,1-Dichloroethene	20.000	20.914	-4.6	133	0.01
10	Carbon Disulfide	20.000	20.046	-0.2	127	0.01
11	Freon 113	20.000	22.401	-12.0	135	0.01
12	Iodomethane	20.000	16.173	19.1	123	0.00
13	Methylene Chloride	20.000	20.398	-2.0	127	0.00
14	Acetone	40.000	38.012	5.0	114	0.00
15	t-1,2-Dichloroethene	20.000	20.834	-4.2	131	0.00
16	n-Hexane	20.000	23.664	-18.3	146	0.01
17	Methyl-tert-butyl-ether	20.000	20.276	-1.4	132	0.00
18	tert-Butanol (TBA)	1250.000	1310.596	-4.8	121	-0.02
19	Diisopropyl ether (DIPE)	5.000	4.990	0.2	126	0.00
20 P	1,1-Dichloroethane	20.000	20.839	-4.2	130	0.00
21	Acrylonitrile	20.000	21.907	-9.5	127	0.00
22	Ethyl-tert-butyl ether (ETB)	5.000	4.946	1.1	127	0.00
23	c-1,2-Dichloroethene	20.000	20.604	-3.0	130	0.00
24	2,2-Dichloropropane	20.000	26.986	-34.9#	171	0.00
25	Bromochloromethane	20.000	20.771	-3.9	128	0.00
26 C	Chloroform	20.000	20.983	-4.9	134	0.00
27	Carbon Tetrachloride	20.000	32.432	-62.2#	206	0.00
28	Tetrahydrofuran	20.000	19.947	0.3	128	0.00
29	1,1,1-Trichloroethane	20.000	24.706	-23.5#	153	0.00
30 S	Dibromofluoromethane (S)	50.000	51.550	-3.1	129	0.00
31	1,1-Dichloropropene	20.000	21.138	-5.7	131	0.00
32	2-Butanone (MEK)	40.000	43.310	-8.3	134	0.00
33	Benzene	20.000	20.012	-0.1	128	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050303.D
 Acq On : 3 May 2020 2:03 pm
 Operator : IMA
 Sample : 0050065-BS1
 Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:43:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 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)
34	tert-Amyl methyl ether (TAM	5.000	4.838	3.2	124	0.00
35	1,2-Dichloroethane (EDC)	20.000	20.485	-2.4	131	0.00
36	iso-Butyl Alcohol	500.000	511.091	-2.2	138	0.00
37 S	1,4-Difluorobenzene (S)	50.000	48.852	2.3	126	0.00
38	Trichloroethene (TCE)	20.000	20.022	-0.1	128	0.00
39	tert-Amyl ethyl ether (TAAE	5.000	4.727	5.5	130	0.00
40	Dibromomethane	20.000	21.430	-7.1	132	0.00
41 C	1,2-Dichloropropane	20.000	20.486	-2.4	130	0.00
42	Bromodichloromethane	20.000	28.124	-40.6#	177	0.00
43	Chlorobenzene-d5 (I)	50.000	50.000	0.0	137	0.00
44	c-1,3-Dichloropropene	20.000	25.791	-29.0#	158	0.00
45 S	Toluene-d8 (S)	50.000	49.018	2.0	127	0.00
46 C	Toluene	20.000	19.839	0.8	132	0.00
47	Tetrachloroethene (PCE)	20.000	21.032	-5.2	132	0.00
48	4-Methyl-2-Pentanone (MIBK)	40.000	47.160	-17.9	153	0.00
49	t-1,3-Dichloropropene	20.000	23.974	-19.9	163	0.00
50	1,1,2-Trichloroethane	20.000	21.824	-9.1	143	0.00
51	Dibromochloromethane	20.000	32.199	-61.0#	235	0.00
52	1,3-Dichloropropane	20.000	21.009	-5.0	139	0.00
53	1,2-Dibromoethane (EDB)	20.000	23.322	-16.6	145	0.00
54	2-Hexanone	40.000	48.231	-20.6#	141	0.00
55 P	Chlorobenzene	20.000	20.255	-1.3	142	0.00
56 C	Ethylbenzene	20.000	20.792	-4.0	139	0.00
57	1,1,1,2-Tetrachloroethane	20.000	28.005	-40.0#	219	0.00
58	m,p-Xylenes (2)	40.000	41.822	-4.6	138	0.00
59	o-Xylene	20.000	21.328	-6.6	141	0.00
60	Styrene	20.000	20.645	-3.2	142	0.00
61 P	Bromoform	20.000	36.960	-84.8#	299	0.00
62	Isopropylbenzene	20.000	22.206	-11.0	143	0.00
63 I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	138	0.00
64 S	4-Bromofluorobenzene (S)	50.000	50.333	-0.7	144	0.00

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050303.D
 Acq On : 3 May 2020 2:03 pm
 Operator : IMA
 Sample : 0050065-BS1
 Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:43:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 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)
65	Bromobenzene	20.000	21.342	-6.7	149	0.00
66	n-Propylbenzene	20.000	21.254	-6.3	143	0.00
67 P	1,1,2,2-Tetrachloroethane	20.000	26.696	-33.5#	173	0.00
68	2-Chlorotoluene	20.000	21.580	-7.9	148	0.00
69	1,3,5-Trimethylbenzene	20.000	21.310	-6.5	142	0.00
70	1,2,3-Trichloropropane	20.000	24.712	-23.6#	159	0.00
71	t-1,4-Dichloro-2-butene	20.000	29.629	-48.1#	249	0.00
72	4-Chlorotoluene	20.000	21.067	-5.3	145	0.00
73	tert-Butylbenzene	20.000	21.340	-6.7	145	0.00
74	1,2,4-Trimethylbenzene	20.000	22.110	-10.5	145	0.00
75	sec-Butylbenzene	20.000	21.973	-9.9	147	0.00
76	4-Isopropyltoluene	20.000	22.382	-11.9	147	0.00
77	1,3-Dichlorobenzene	20.000	21.368	-6.8	145	0.00
78	1,4-Dichlorobenzene	20.000	20.471	-2.4	143	0.00
79	n-Butylbenzene	20.000	22.388	-11.9	148	0.00
80	1,2-Dichlorobenzene	20.000	20.989	-4.9	143	0.00
81	1,2-Dibromo-3-Chloropropane	20.000	24.533	-22.7#	182	0.00
82	Hexachlorobutadiene	20.000	24.529	-22.6#	154	0.00
83	1,2,4-Trichlorobenzene	20.000	23.120	-15.6	140	0.00
84	Naphthalene	20.000	20.712	-3.6	131	0.00
85	1,2,3-Trichlorobenzene	20.000	21.714	-8.6	132	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050303.D
 Acq On : 3 May 2020 2:03 pm
 Operator : IMA
 Sample : 0050065-BS1
 Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:43:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	144387	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.744	117	374164	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.696	152	175819	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	126011	51.55	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	437212	48.85	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	520545	49.02	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	140019	50.33	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.604	85	62023	22.03	ug/L		96
3) Chloromethane	1.817	50	70855	16.65	ug/L		98
4) Vinyl Chloride	1.902	62	98446	22.21	ug/L		96
5) Bromomethane	2.261	96	64372	23.35	ug/L		99
6) Chloroethane	2.389	64	15882	22.75	ug/L		79
7) Trichlorofluoromethane	2.516	101	15856	23.27	ug/L		96
8) Ethanol	3.192	45	65165	976.49	ug/L		89
9) 1,1-Dichloroethene	3.082	61	104203	20.91	ug/L		78
10) Carbon Disulfide	3.094	76	134646	20.05	ug/L		98
11) Freon 113	3.131	101	57300	22.40	ug/L		81
12) Iodomethane	3.234	142	17553	16.17	ug/L		94
13) Methylene Chloride	3.715	84	65617	20.40	ug/L		84
14) Acetone	3.794	43	66264	38.01	ug/L		97
15) t-1,2-Dichloroethene	3.879	61	100205	20.83	ug/L		94
16) n-Hexane	3.958	86	12823	23.66	ug/L	#	80
17) Methyl-tert-butyl-ether	4.013	73	235986	20.28	ug/L		97
18) tert-Butanol (TBA)	4.171	59	763698	1310.60	ug/L	#	91
19) Diisopropyl ether (DIPE)	4.408	45	61925	4.99	ug/L		95
20) 1,1-Dichloroethane	4.512	63	129841	20.84	ug/L		98
21) Acrylonitrile	4.579	53	42086	21.91	ug/L		99
22) Ethyl-tert-butyl ether...	4.773	59	55985	4.95	ug/L		93
23) c-1,2-Dichloroethene	5.065	61	99609	20.60	ug/L		90
24) 2,2-Dichloropropane	5.169	77	98426	26.99	ug/L		98
25) Bromochloromethane	5.266	49	65669	20.77	ug/L		83
26) Chloroform	5.351	83	115075	20.98	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050303.D
 Acq On : 3 May 2020 2:03 pm
 Operator : IMA
 Sample : 0050065-BS1
 Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:43:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Carbon Tetrachloride	5.479	117	61620	32.43	ug/L	98
28) Tetrahydrofuran	5.516	42	44305	19.95	ug/L	93
29) 1,1,1-Trichloroethane	5.546	97	96581	24.71	ug/L	94
31) 1,1-Dichloropropene	5.674	75	93413	21.14	ug/L	96
32) 2-Butanone (MEK)	5.668	43	119396	43.31	ug/L	97
33) Benzene	5.929	78	287992	20.01	ug/L	97
34) tert-Amyl methyl ether...	6.063	73	51408	4.84	ug/L	97
35) 1,2-Dichloroethane (EDC)	6.148	62	104435	20.49	ug/L	99
36) iso-Butyl Alcohol	6.209	43	118028	511.09	ug/L	95
38) Trichloroethene (TCE)	6.550	130	67172	20.02	ug/L	92
39) tert-Amyl ethyl ether ...	6.805	59	43894	4.73	ug/L	88
40) Dibromomethane	7.000	93	41412	21.43	ug/L	86
41) 1,2-Dichloropropane	7.103	63	75578	20.49	ug/L	96
42) Bromodichloromethane	7.183	83	70732	28.12	ug/L	99
44) c-1,3-Dichloropropene	7.882	75	104102	25.79	ug/L	87
46) Toluene	8.144	91	286916	19.84	ug/L	99
47) Tetrachloroethene (PCE)	8.594	166	60728	21.03	ug/L	92
48) 4-Methyl-2-Pentanone (...)	8.594	43	231913	47.16	ug/L	93
49) t-1,3-Dichloropropene	8.636	75	100175	23.97	ug/L	96
50) 1,1,2-Trichloroethane	8.813	97	64856	21.82	ug/L	90
51) Dibromochloromethane	9.001	129	43451	32.20	ug/L	95
52) 1,3-Dichloropropane	9.099	76	122649	21.01	ug/L	89
53) 1,2-Dibromoethane (EDB)	9.245	107	64538	23.32	ug/L	99
54) 2-Hexanone	9.476	43	150645	48.23	ug/L	93
55) Chlorobenzene	9.756	112	172348	20.26	ug/L	95
56) Ethylbenzene	9.780	91	293072	20.79	ug/L	96
57) 1,1,1,2-Tetrachloroethane	9.817	131	49914	28.01	ug/L	97
58) m,p-Xylenes (2)	9.920	91	435688	41.82	ug/L	96
59) o-Xylene	10.303	91	218585	21.33	ug/L	97
60) Styrene	10.352	104	158830	20.64	ug/L	92
61) Bromoform	10.376	173	26965	36.96	ug/L	99
62) Isopropylbenzene	10.571	105	250883	22.21	ug/L	97
65) Bromobenzene	10.900	156	64826	21.34	ug/L #	85
66) n-Propylbenzene	10.918	91	283400	21.25	ug/L	96
67) 1,1,2,2-Tetrachloroethane	10.985	83	83681	26.70	ug/L	97
68) 2-Chlorotoluene	11.046	126	57189	21.58	ug/L #	74
69) 1,3,5-Trimethylbenzene	11.076	105	194003	21.31	ug/L	97

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050303.D
 Acq On : 3 May 2020 2:03 pm
 Operator : IMA
 Sample : 0050065-BS1
 Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:43:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

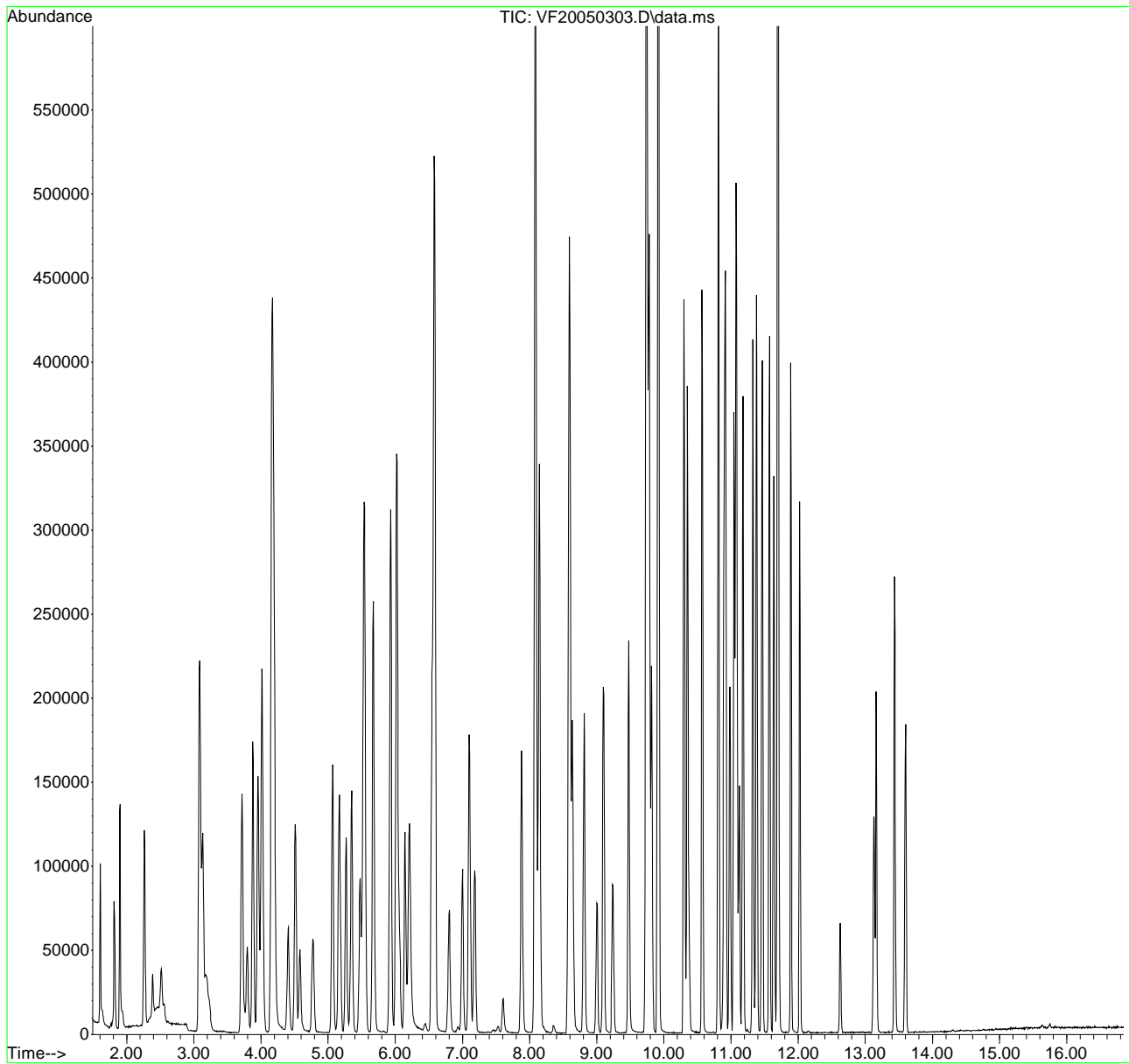
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichloropropane	11.088	110	30715	24.71	ug/L #	69
71) t-1,4-Dichloro-2-butene	11.125	88	10554	29.63	ug/L #	89
72) 4-Chlorotoluene	11.179	91	176173	21.07	ug/L	96
73) tert-Butylbenzene	11.325	91	107570	21.34	ug/L	90
74) 1,2,4-Trimethylbenzene	11.380	105	196983	22.11	ug/L	98
75) sec-Butylbenzene	11.465	105	226903	21.97	ug/L	97
76) 4-Isopropyltoluene	11.575	119	187281	22.38	ug/L	97
77) 1,3-Dichlorobenzene	11.642	146	104747	21.37	ug/L	99
78) 1,4-Dichlorobenzene	11.709	146	107708	20.47	ug/L	97
79) n-Butylbenzene	11.891	91	165711	22.39	ug/L	94
80) 1,2-Dichlorobenzene	12.025	146	98965	20.99	ug/L	97
81) 1,2-Dibromo-3-Chloropr...	12.627	157	12200	24.53	ug/L #	52
82) Hexachlorobutadiene	13.132	223	14246	24.53	ug/L	92
83) 1,2,4-Trichlorobenzene	13.163	180	54575	23.12	ug/L	96
84) Naphthalene	13.436	128	184723	20.71	ug/L	99
85) 1,2,3-Trichlorobenzene	13.601	180	50302	21.71	ug/L	98

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050303.D
Acq On : 3 May 2020 2:03 pm
Operator : IMA
Sample : 0050065-BS1
Misc : 50X 5g/5mLx1000uL/50mL VOCO+MeOH A20D338
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:43:47 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050304.D
 Acq On : 3 May 2020 2:30 pm
 Operator : IMA
 Sample : 0050065-BS2
 Misc : 50X 5g/5mLx1000uL/50mL GX+MeOH A20D403
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

IMA
5/5/20

Quant Time: May 04 09:44:30 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 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	116	0.00
2 S	1,4-Difluorobenzene (Sur)	50.000	46.270	7.5	116	0.00
3 S	4-Bromofluorobenzene (Sur)	50.000	50.594	-1.2	120	0.00
4 S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	113	0.00
5 H	NWTPH-Gx	500.000	476.432	4.7	117	0.00
6 H	TPHg (C5-C9)	500.000	467.490	6.5	114	0.00
7 H	TPHg (C6-C10)	500.000	490.315	1.9	117	0.00
8 H	CA-LUFT (C5-C12)	500.000	463.719	7.3	115	0.00
9	Benzene (NR)	-1.000	0.000	0.0	117	0.00
10 S	Toluene-d8 (NR)	-1.000	0.000	0.0	115	0.00
11 C	Toluene (NR)	-1.000	0.000	0.0	112	0.00
12 S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	122	0.00
13	Naphthalene (NR)	-1.000	0.000	0.0	171	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050304.D
 Acq On : 3 May 2020 2:30 pm
 Operator : IMA
 Sample : 0050065-BS2
 Misc : 50X 5g/5mLx1000uL/50mL GX+MeOH A20D403
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:44:30 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

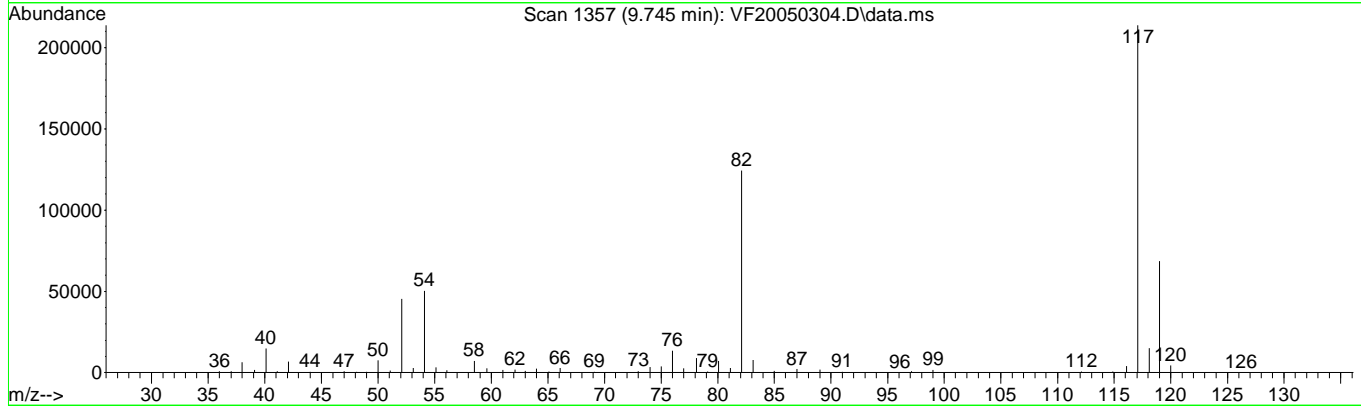
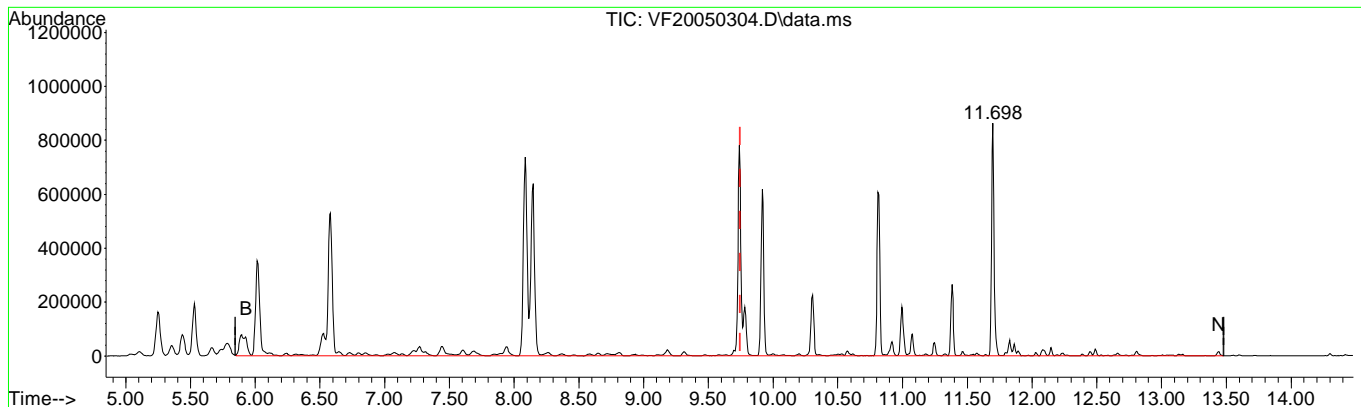
Internal Standards						
1) Pentafluorobenzene (IS)	6.022	168	262469	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.582	TIC	1096386	46.27	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.810	TIC	873376	50.59	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.739	TIC	1218488	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.084	TIC	1495179	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	1176396	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	5435569m	476.43	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	7172447m	467.49	ug/L	
7) TPHg (C6-C10)	9.745	TIC	6473718m	490.31	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	8431754m	463.72	ug/L	

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050304.D
 Acq On : 3 May 2020 2:30 pm
 Operator : IMA
 Sample : 0050065-BS2
 Misc : 50X 5g/5mLx1000uL/50mL GX+MeOH A20D403
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

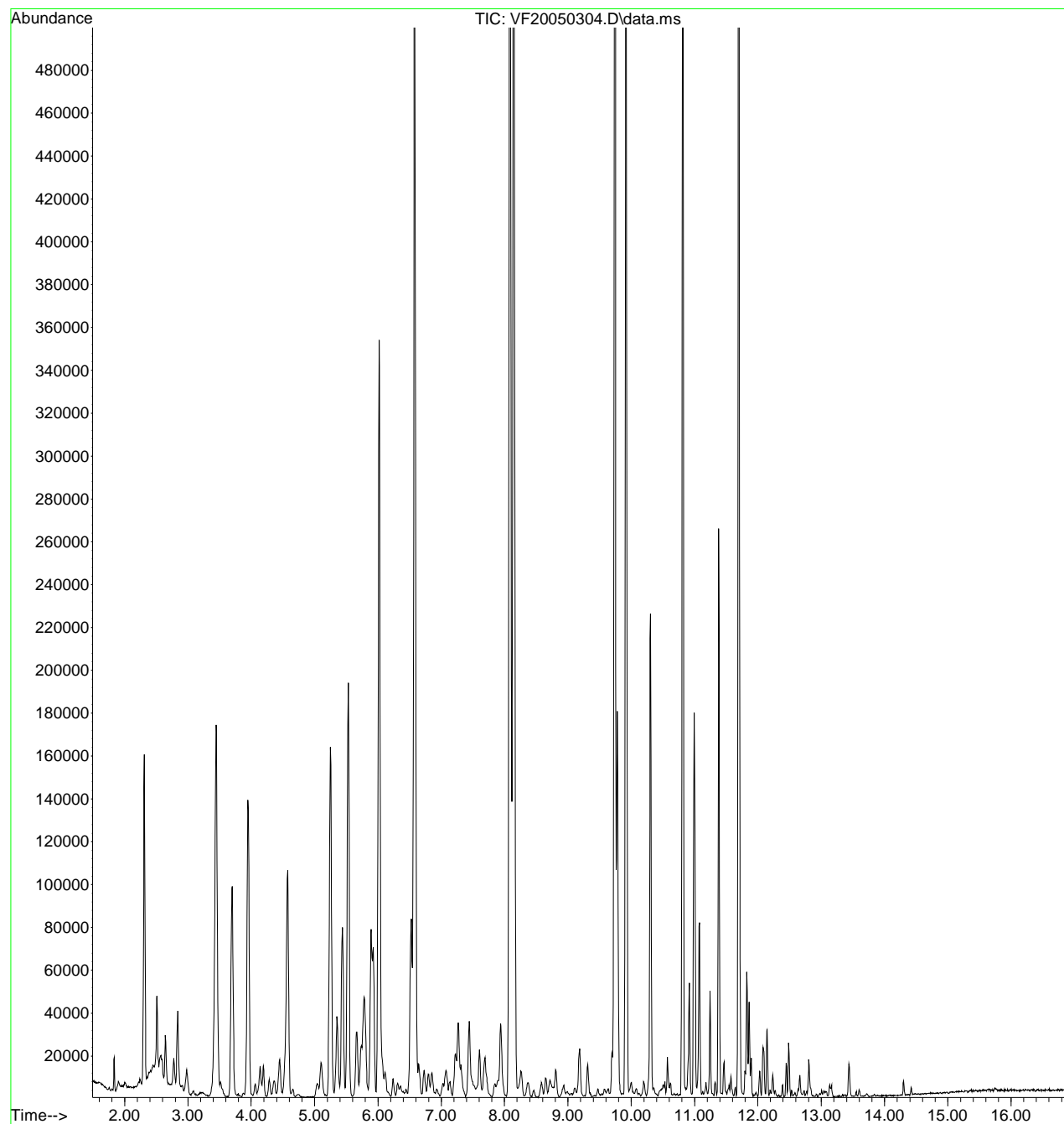
Quant Time: May 04 09:44:30 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration



TIC: VF20050304.D\data.ms

(5) NWTPH-Gx (H)		
9.745min (0.000)	476.43 ug/L	
response	5435569	
Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

File :C:\msdchem\1\DATA\2020-05\0E03020\VF20050304.D
Operator : IMA
Acquired : 3 May 2020 2:30 pm using AcqMethod VF1906RUN.M
Instrument : VOA-GCMS6
Sample Name: 0050065-BS2
Misc Info : 50X 5g/5mLx1000uL/50mL GX+MeOH A20D403
Vial Number: 4



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050305.D
 Acq On : 3 May 2020 2:57 pm
 Operator : IMA
 Sample : 0050065-BLK1
 Misc : 50X 7.5g/5mLx1000uL/50mL DI+MeOH
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

IMA
5/5/20

Quant Time: May 04 09:45:25 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Pentafluorobenzene (IS)	6.022	168	263298	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.581	TIC	1079480	45.41	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.809	TIC	867117	50.07	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.739	TIC	1218339	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.084	TIC	1477716	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	1092024	0.00	ug/L	0.00	
Target Compounds							
							Qvalue
5) NWTPH-Gx	9.745	TIC	123045m	27.72	ug/L		
6) TPHg (C5-C9)	9.745	TIC	546766m	20.54	ug/L		
7) TPHg (C6-C10)	9.745	TIC	515801m	21.12	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	547736m	22.77	ug/L		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050305.D
 Acq On : 3 May 2020 2:57 pm
 Operator : IMA
 Sample : 0050065-BLK1
 Misc : 50X 7.5g/5mLx1000uL/50mL DI+MeOH
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

IMA
5/5/20

Quant Time: May 04 09:46:33 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

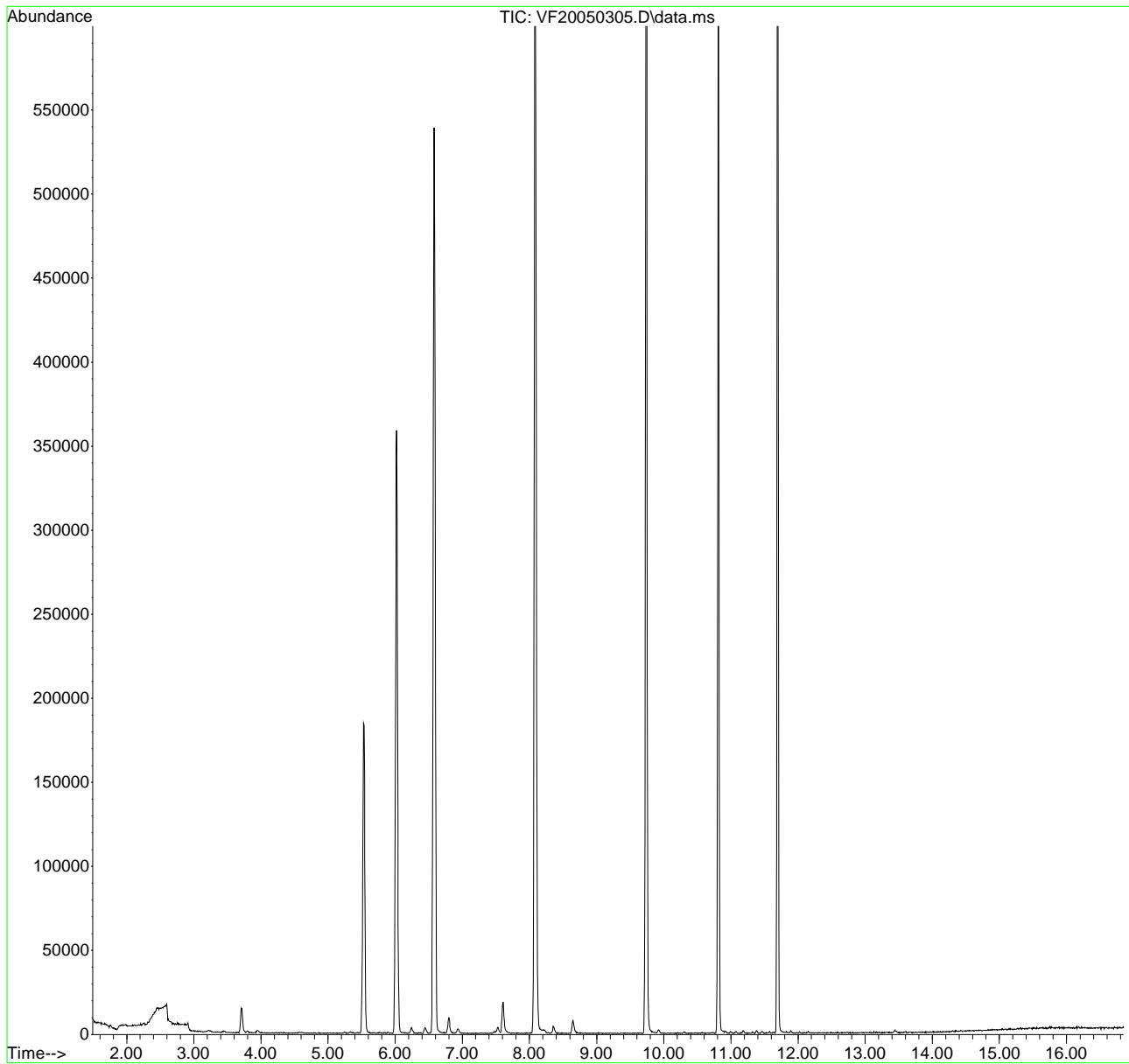
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	149223	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	384329	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	175699	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	123497	48.88	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.581	114	450155	48.67	ug/L	0.00	
45) Toluene-d8 (S)	8.084	98	542749	49.76	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	140576	50.57	ug/L	0.00	
Target Compounds							
							Qvalue
5) Bromomethane	2.250	96	985	0.35	ug/L		90
6) Chloroethane	2.439	64	130	0.18	ug/L #		1
8) Ethanol	3.187	45	384	5.57	ug/L #		29
12) Iodomethane	3.223	142	201	2.74	ug/L #		47
13) Methylene Chloride	3.716	84	6928	2.08	ug/L		85
14) Acetone	3.801	43	1362	0.76	ug/L		89
36) iso-Butyl Alcohol	6.241	43	1452	6.08	ug/L		97
39) tert-Amyl ethyl ether ...	6.800	59	1791	0.19	ug/L #		72
58) m,p-Xylenes (2)	9.921	91	1439	0.13	ug/L		89
74) 1,2,4-Trimethylbenzene	11.387	105	960	0.11	ug/L		86
79) n-Butylbenzene	11.892	91	759	0.10	ug/L		91
84) Naphthalene	13.444	128	1531	0.17	ug/L		90

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050305.D
Acq On : 3 May 2020 2:57 pm
Operator : IMA
Sample : 0050065-BLK1
Misc : 50X 7.5g/5mLx1000uL/50mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:46:33 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050312.D
 Acq On : 3 May 2020 6:07 pm
 Operator : IMA
 Sample : A0D0763-08
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

IMA
5/5/20

Quant Time: May 04 09:50:11 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

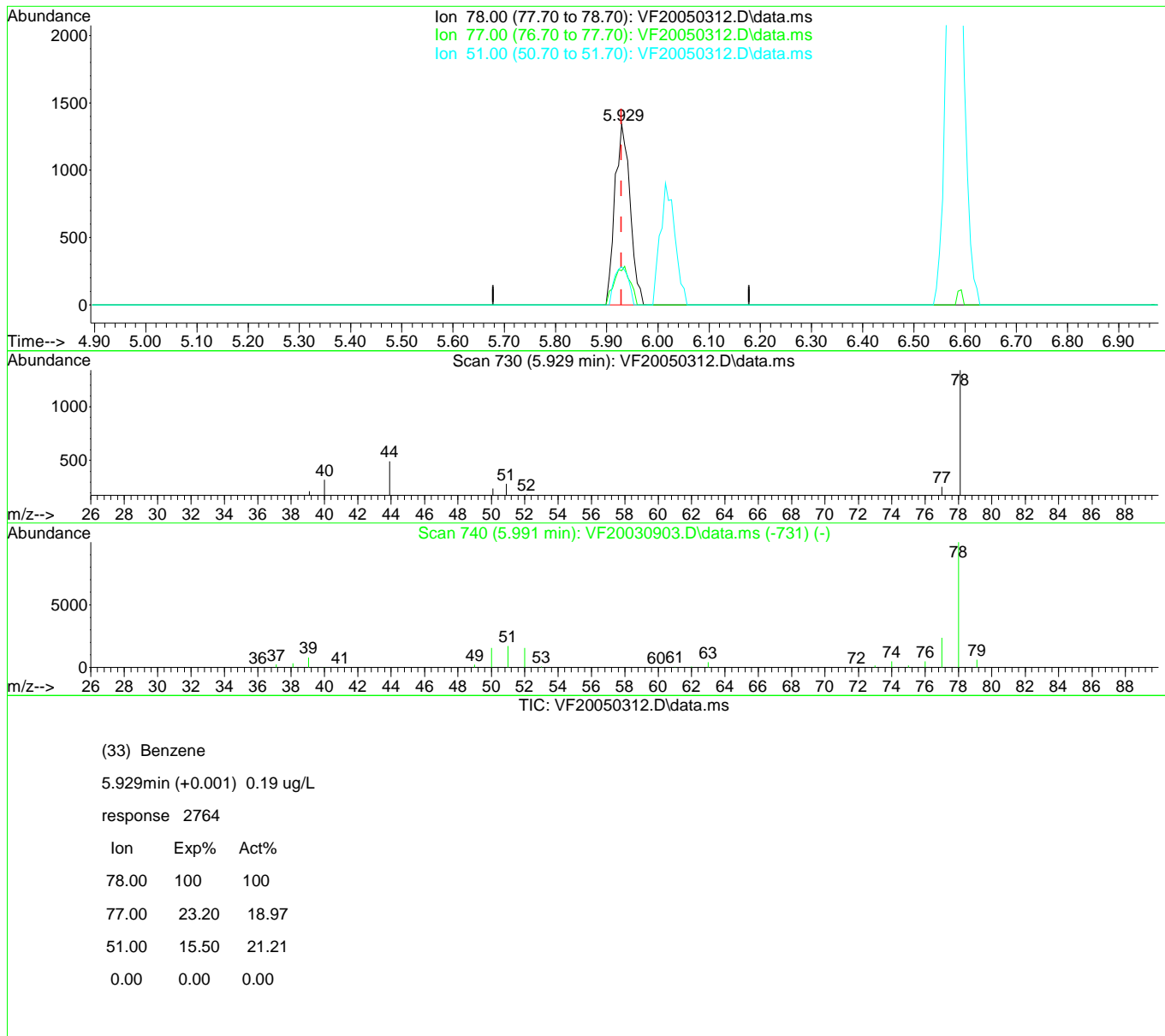
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	142923	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.738	117	374428	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.696	152	178290	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.528	111	117232	48.45	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.580	114	432829	48.86	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	519372	48.87	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	140582	49.83	ug/L	0.00	
Target Compounds							
							Qvalue
5) Bromomethane	2.255	96	952	0.35	ug/L		97
8) Ethanol	3.167	45	352	5.33	ug/L #		29
13) Methylene Chloride	3.715	84	4779	1.50	ug/L		81
14) Acetone	3.794	43	12413	7.19	ug/L		92
18) tert-Butanol (TBA)	4.171	59	7269	12.60	ug/L #		99
28) Tetrahydrofuran	5.540	42	302	0.14	ug/L #		26
32) 2-Butanone (MEK)	5.674	43	752	0.28	ug/L		54
33) Benzene	5.929	78	2764	0.19	ug/L		89
36) iso-Butyl Alcohol	6.240	43	801	3.50	ug/L		79
39) tert-Amyl ethyl ether ...	6.805	59	746	0.08	ug/L #		56
58) m,p-Xylenes (2)	9.920	91	1041	0.10	ug/L		79
62) Isopropylbenzene	10.577	105	1568	0.14	ug/L		93
74) 1,2,4-Trimethylbenzene	11.386	105	1381	0.15	ug/L		94
84) Naphthalene	13.442	128	7800	0.86	ug/L		97

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050312.D
 Acq On : 3 May 2020 6:07 pm
 Operator : IMA
 Sample : A0D0763-08
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

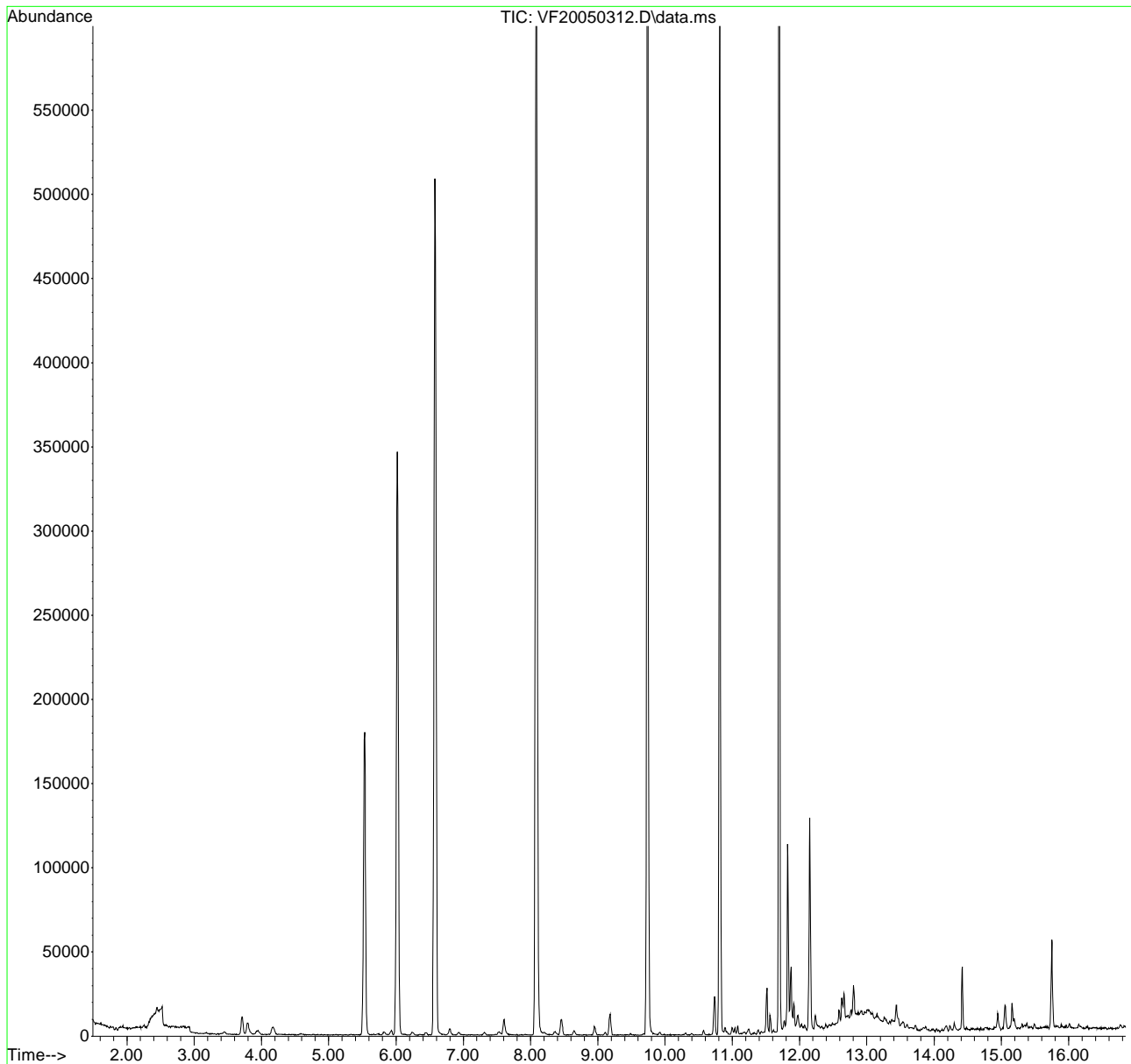
Quant Time: May 04 09:50:11 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050312.D
Acq On : 3 May 2020 6:07 pm
Operator : IMA
Sample : A0D0763-08
Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:50:11 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050313.D
 Acq On : 3 May 2020 6:34 pm
 Operator : IMA
 Sample : A0D0763-09
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

IMA
 5/5/20

Quant Time: May 04 09:50:42 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

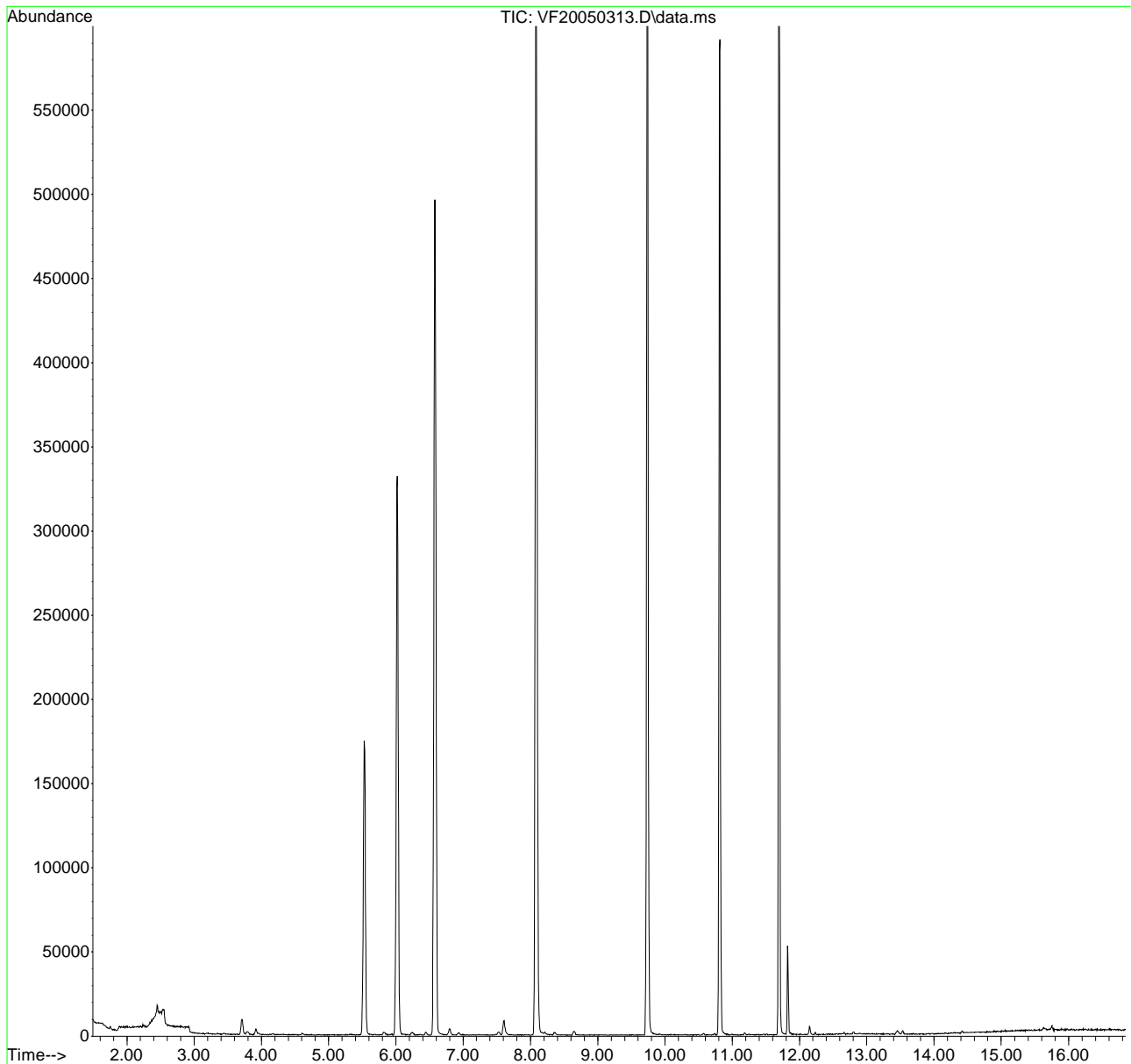
Internal Standards							
1) Pentafluorobenzene (I)	6.016	99	139249	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	365510	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	173626	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	115074	48.81	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.581	114	420576	48.73	ug/L	0.00	
45) Toluene-d8 (S)	8.084	98	509044	49.07	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	136180	49.57	ug/L	0.00	
Target Compounds							
							Qvalue
5) Bromomethane	2.244	96	861	0.32	ug/L		72
8) Ethanol	3.211	45	495	7.69	ug/L	#	29
13) Methylene Chloride	3.716	84	4241	1.37	ug/L		91
14) Acetone	3.789	43	2665	1.59	ug/L		94
18) tert-Butanol (TBA)	4.154	59	314	0.56	ug/L	#	76
32) 2-Butanone (MEK)	5.681	43	479	0.18	ug/L		54
36) iso-Butyl Alcohol	6.241	43	654	2.94	ug/L		90
39) tert-Amyl ethyl ether ...	6.794	59	731	0.08	ug/L	#	72
84) Naphthalene	13.444	128	1339	0.15	ug/L		80

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050313.D
Acq On : 3 May 2020 6:34 pm
Operator : IMA
Sample : A0D0763-09
Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:50:42 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050314.D
 Acq On : 3 May 2020 7:01 pm
 Operator : IMA
 Sample : A0D0763-10
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

IMA
5/5/20

Quant Time: May 04 09:51:13 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

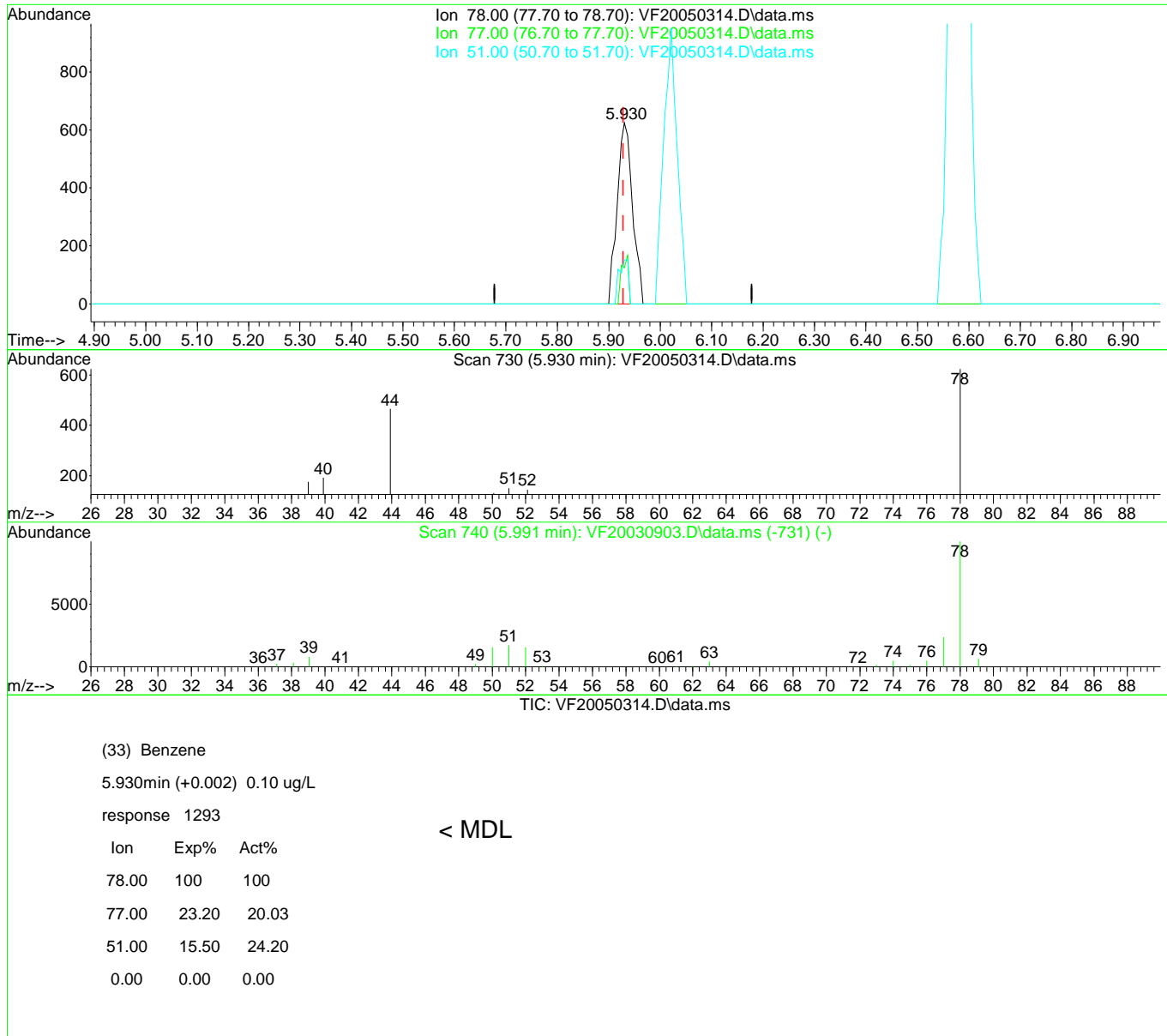
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	134596	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.738	117	352813	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.697	152	171564	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.535	111	113608	49.86	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.581	114	411600	49.34	ug/L	0.00	
45) Toluene-d8 (S)	8.084	98	493959	49.33	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	134427	49.52	ug/L	0.00	
Target Compounds							
							Qvalue
5) Bromomethane	2.250	96	873	0.34	ug/L		98
8) Ethanol	3.162	45	569	9.15	ug/L	#	29
13) Methylene Chloride	3.710	84	4816	1.61	ug/L		93
14) Acetone	3.789	43	8369	5.15	ug/L		95
18) tert-Butanol (TBA)	4.172	59	4274	7.87	ug/L	#	91
28) Tetrahydrofuran	5.523	42	370	0.18	ug/L	#	31
32) 2-Butanone (MEK)	5.681	43	1116	0.43	ug/L		54
33) Benzene	5.930	78	1293	0.10	ug/L		88
36) iso-Butyl Alcohol	6.247	43	684	3.18	ug/L		77
56) Ethylbenzene	9.787	91	2635	0.20	ug/L		92
58) m,p-Xylenes (2)	9.927	91	879	0.09	ug/L		83
74) 1,2,4-Trimethylbenzene	11.387	105	781	0.09	ug/L		88
84) Naphthalene	13.443	128	1757	0.20	ug/L		96

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050314.D
Acq On : 3 May 2020 7:01 pm
Operator : IMA
Sample : A0D0763-10
Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

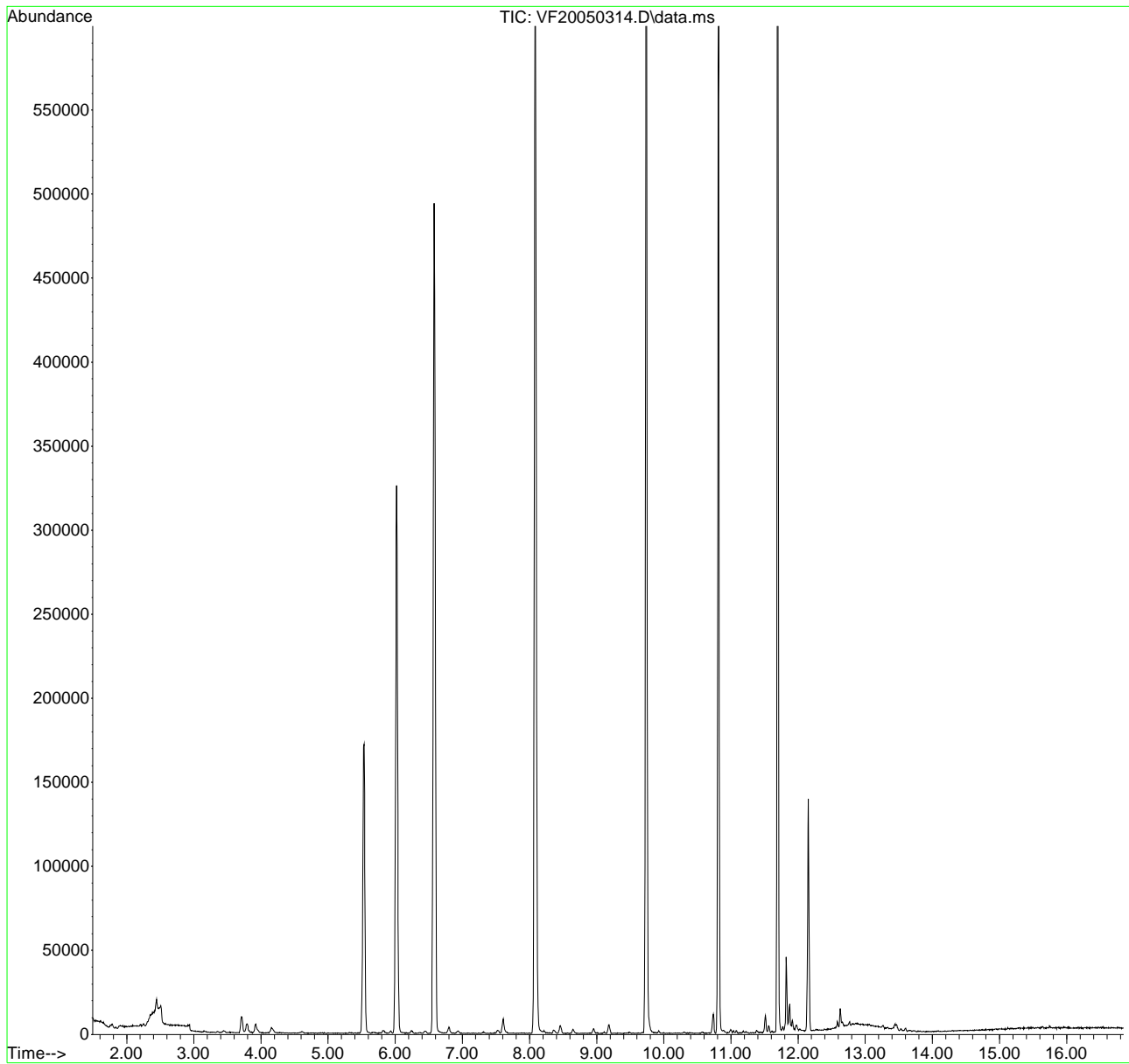
Quant Time: May 04 09:51:13 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050314.D
Acq On : 3 May 2020 7:01 pm
Operator : IMA
Sample : A0D0763-10
Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:51:13 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050315.D
 Acq On : 3 May 2020 7:29 pm
 Operator : IMA
 Sample : A0D0763-11
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:51:44 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

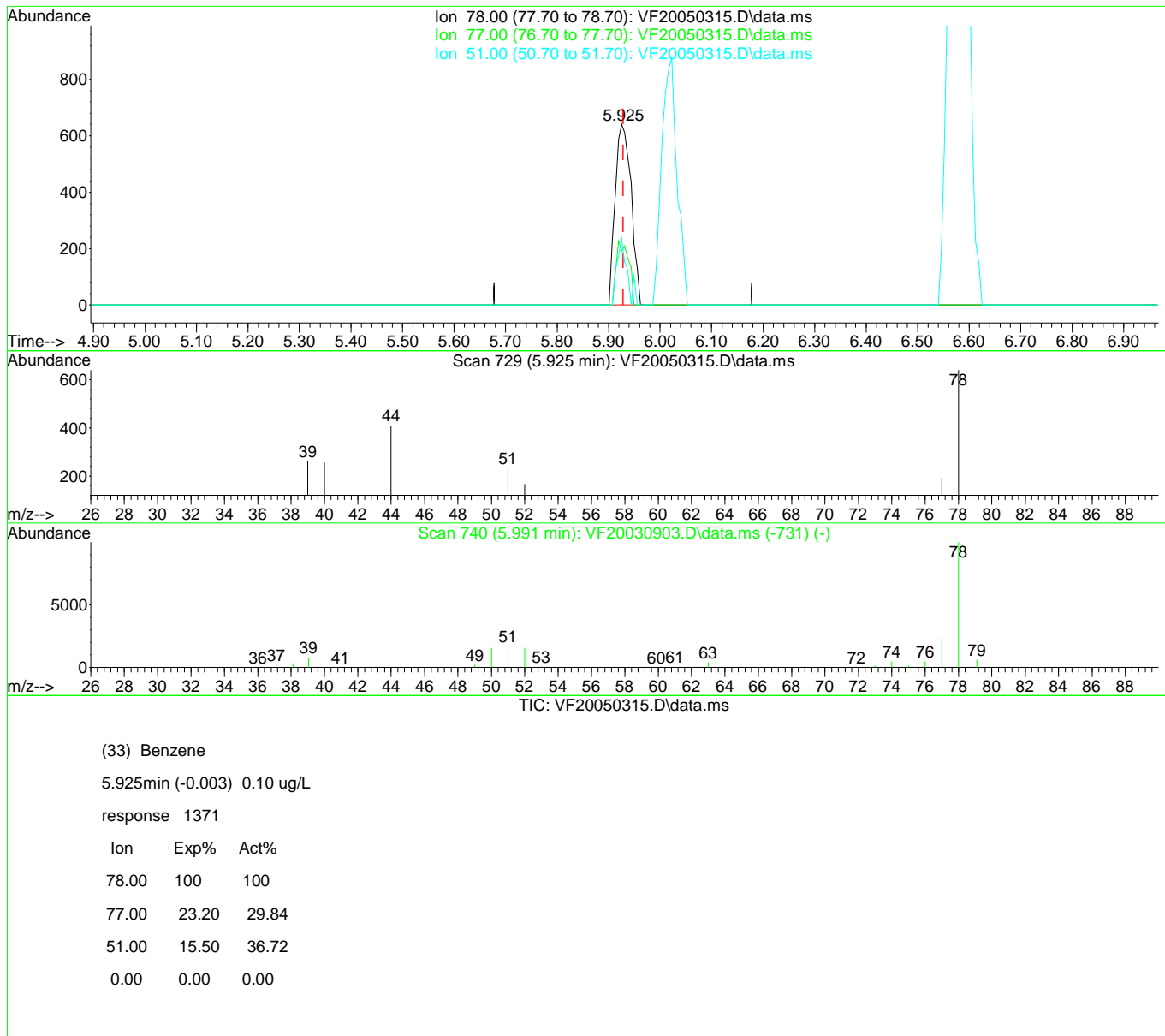
Internal Standards							
1) Pentafluorobenzene (I)	6.017	99	134123	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.740	117	353835	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	170690	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.530	111	112364	49.49	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	407072	48.97	ug/L	0.00	
45) Toluene-d8 (S)	8.085	98	493903	49.18	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	133181	49.31	ug/L	0.00	
Target Compounds							
							Qvalue
5) Bromomethane	2.245	96	778	0.30	ug/L		88
8) Ethanol	3.157	45	642	10.36	ug/L		95
13) Methylene Chloride	3.705	84	3919	1.31	ug/L		82
14) Acetone	3.784	43	3439	2.12	ug/L		83
18) tert-Butanol (TBA)	4.155	59	684	1.26	ug/L #		80
28) Tetrahydrofuran	5.524	42	218	0.11	ug/L #		51
32) 2-Butanone (MEK)	5.670	43	792	0.31	ug/L		54
33) Benzene	5.925	78	1371	0.10	ug/L		72
36) iso-Butyl Alcohol	6.242	43	792	3.69	ug/L		78
39) tert-Amyl ethyl ether ...	6.801	59	815	0.09	ug/L #		69
56) Ethylbenzene	9.788	91	2550	0.19	ug/L		91
74) 1,2,4-Trimethylbenzene	11.382	105	1234	0.14	ug/L		90
75) sec-Butylbenzene	11.382	105	1234	0.12	ug/L		70
79) n-Butylbenzene	11.826	91	3610	0.50	ug/L #		40

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050315.D
 Acq On : 3 May 2020 7:29 pm
 Operator : IMA
 Sample : A0D0763-11
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

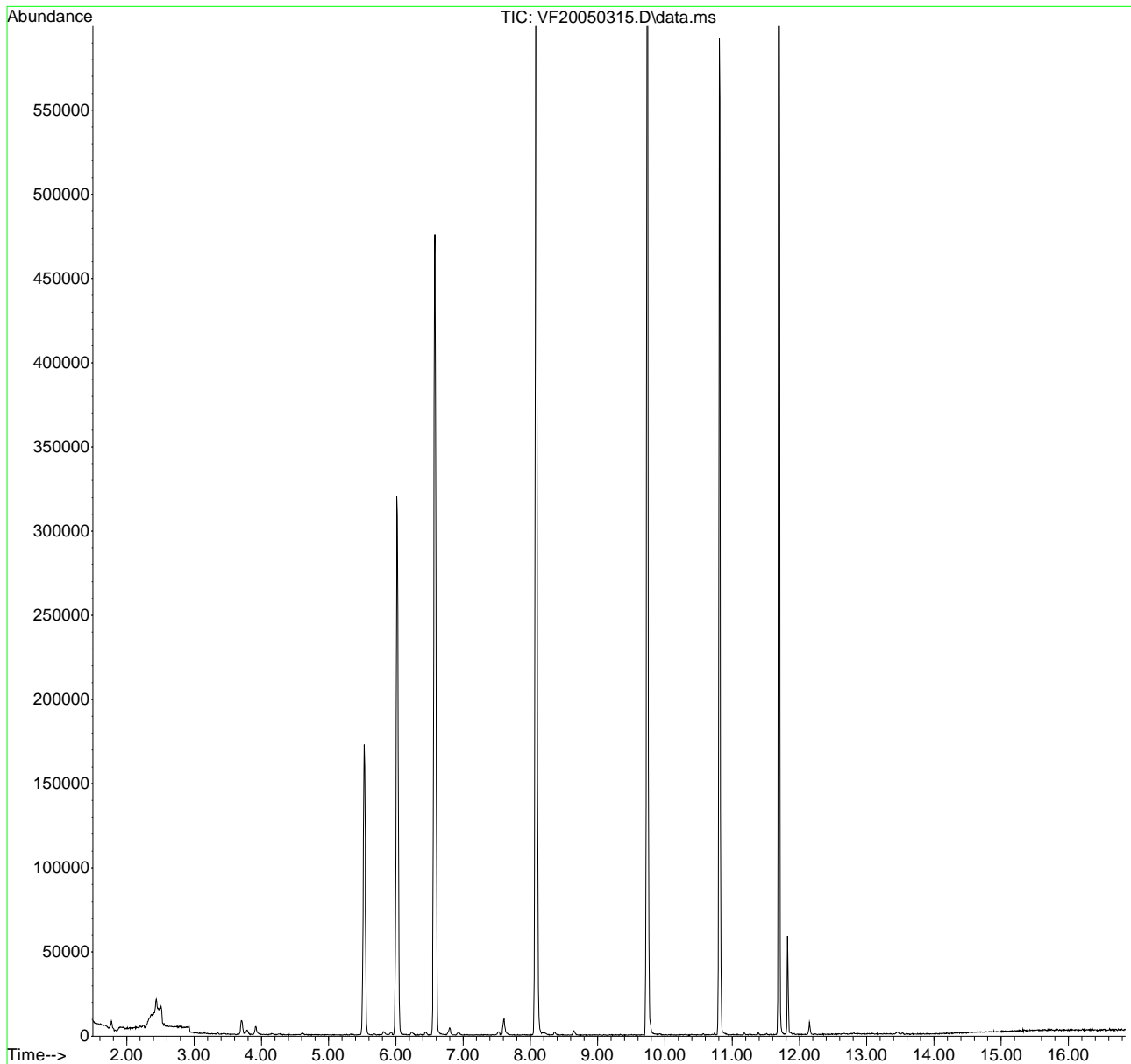
Quant Time: May 04 09:51:44 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050315.D
Acq On : 3 May 2020 7:29 pm
Operator : IMA
Sample : A0D0763-11
Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:51:44 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
 Data File : VF20050316.D
 Acq On : 3 May 2020 7:56 pm
 Operator : IMA
 Sample : A0D0763-12
 Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
 ALS Vial : 16 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:52:15 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

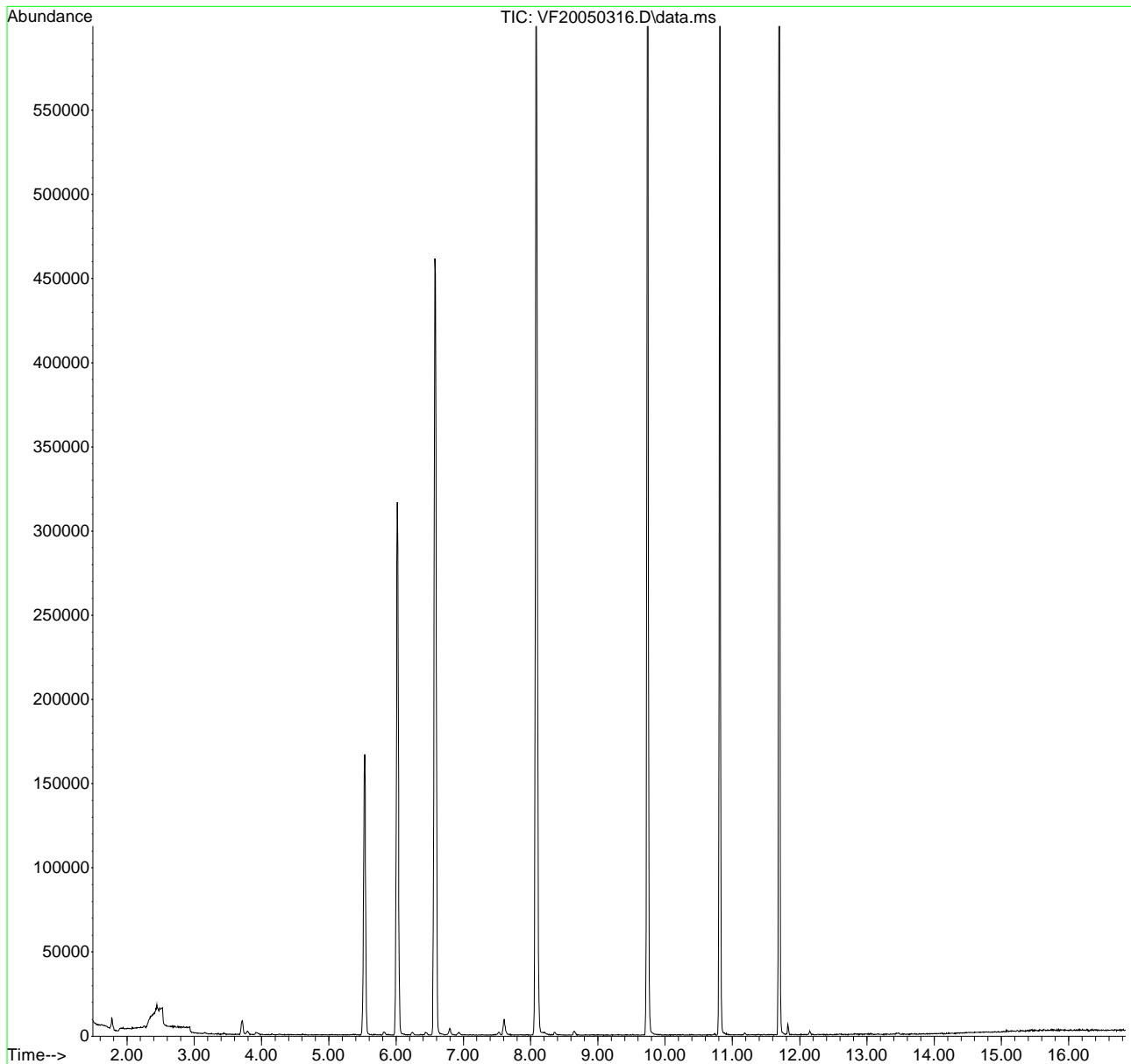
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	130594	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	341559	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.695	152	161567	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	107392	48.57	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.579	114	397363	49.09	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	477602	49.27	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.813	174	126649	49.54	ug/L	0.00	
Target Compounds							
							Qvalue
5) Bromomethane	2.254	96	976	0.39	ug/L		84
8) Ethanol	3.154	45	728	12.06	ug/L		92
13) Methylene Chloride	3.714	84	3910	1.34	ug/L		97
14) Acetone	3.799	43	2208	1.40	ug/L		90
18) tert-Butanol (TBA)	4.158	59	212	0.40	ug/L #		38
28) Tetrahydrofuran	5.521	42	323	0.16	ug/L #		67
32) 2-Butanone (MEK)	5.679	43	388	0.16	ug/L		54
36) iso-Butyl Alcohol	6.245	43	611	2.93	ug/L		87
39) tert-Amyl ethyl ether ...	6.804	59	738	0.09	ug/L #		68

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-05\0E03020\
Data File : VF20050316.D
Acq On : 3 May 2020 7:56 pm
Operator : IMA
Sample : A0D0763-12
Misc : 50X 5g/5mLx1000uL/50mL BTEX+HALO6
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: May 04 09:52:15 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



**Selected Volatile Organic Compounds by EPA 5035A/8260C
Calibration Data**

Sequence 0D15055 (Cal ID A0D1705) VOA-GCMS6



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D15055

Instrument: VOA-GCMS6

Date: 04/15/20 18:35

Calibration: A0D1705

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D15055-IBL1	Soil	QC	QC			A19L229	
2	0D15055-IBL2	Soil	QC	QC			A19L229	
3	0D15055-TUN1	Soil	QC	QC			A19L229	
4	0D15055-ICB1	Soil	QC	QC			A19L229	
5	0D15055-CAL1	Soil	QC	QC			A19L229	A20D151
6	0D15055-CAL2	Soil	QC	QC			A19L229	A20D152
7	0D15055-CAL3	Soil	QC	QC			A19L229	A20D153
8	0D15055-CAL4	Soil	QC	QC			A19L229	A20D154
9	0D15055-CAL5	Soil	QC	QC			A19L229	A20D155
10	0D15055-CAL6	Soil	QC	QC			A19L229	A20D156
11	0D15055-CAL7	Soil	QC	QC			A19L229	A20D157
12	0D15055-CAL8	Soil	QC	QC			A19L229	A20D158
13	0D15055-CAL9	Soil	QC	QC			A19L229	A20D159
14	0D15055-IBL3	Soil	QC	QC			A19L229	
15	0D15055-CALA	Soil	QC	QC			A19L229	A20D160
16	0D15055-IBL4	Soil	QC	QC			A19L229	
17	0D15055-CALB	Soil	QC	QC			A19L229	A20D161
18	0D15055-IBL5	Soil	QC	QC			A19L229	
19	0D15055-IBL6	Soil	QC	QC			A19L229	
20	0D15055-ICV1	Soil	QC	QC			A19L229	A20D127
21	0D15055-IBL7	Soil	QC	QC			A19L229	
22	0D15055-IBL8	Soil	QC	QC			A19L229	
23	0D15055-IBL9	Soil	QC	QC			A19L229	
24	0D15055-TUN2	Soil	QC	QC			A19L229	
25	0D15055-IBLA	Soil	QC	QC			A19L229	
26	0D15055-ICB2	Soil	QC	QC			A19L229	
27	0D15055-CALC	Soil	QC	QC			A19L229	A20B402
28	0D15055-CALD	Soil	QC	QC			A19L229	A20B403
29	0D15055-CALE	Soil	QC	QC			A19L229	A20B404
30	0D15055-CALF	Soil	QC	QC			A19L229	A20B405
31	0D15055-CALG	Soil	QC	QC			A19L229	A20B406
32	0D15055-CALH	Soil	QC	QC			A19L229	A20B407
33	0D15055-CALI	Soil	QC	QC			A19L229	A20B408
34	0D15055-CALJ	Soil	QC	QC			A19L229	A20B409
35	0D15055-IBLB	Soil	QC	QC			A19L229	
36	0D15055-ICV2	Soil	QC	QC			A19L229	A20A357
37	0D15055-IBLC	Soil	QC	QC			A19L229	

Data Entered By:

4/17/20

Data Reviewed By:

MVA 4/21/20

Comments:

TMOL MAL for 1112 tCA to 0.5/1ppb on col

EOS for Chloroethane, Cl₃FC, Carbon tet,

& Bromoform (ICV High)

Calibration Status Report VOA-GCMS6

Method Path : C:\msdchem\1\METHODS\
 Method File : VF200415S.M
 Title : EPA 8260: Volatile Organic Compounds
 Last Update : Thu Apr 16 13:10:17 2020
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	0	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041505.D
2	2	0	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041506.D
3	3	0	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041507.D
4	4	1	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041508.D
5	5	2	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041509.D
6	6	5	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041510.D
7	7	10	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041511.D
8	8	20	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041512.D
9	9	50	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041513.D
10	10	100	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041515.D
11	11	200	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041517.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 16 12:54 2020	Apr 16 12:39 2020	15 Apr 2020 8:48 pm
2	2	Apr 16 12:54 2020	Apr 16 12:41 2020	15 Apr 2020 9:15 pm
3	3	Apr 16 12:54 2020	Apr 16 12:42 2020	15 Apr 2020 9:42 pm
4	4	Apr 16 12:54 2020	Apr 16 12:44 2020	15 Apr 2020 10:09 pm
5	5	Apr 16 12:54 2020	Apr 16 12:32 2020	15 Apr 2020 10:36 pm
6	6	Apr 16 12:54 2020	Apr 16 12:32 2020	15 Apr 2020 11:03 pm
7	7	Apr 16 12:54 2020	Apr 16 12:32 2020	15 Apr 2020 11:30 pm
8	8	Apr 16 12:54 2020	Apr 16 12:32 2020	15 Apr 2020 11:57 pm
9	9	Apr 16 12:54 2020	Apr 16 12:32 2020	16 Apr 2020 12:25 am
10	10	Apr 16 12:54 2020	Apr 16 12:32 2020	16 Apr 2020 1:19 am
11	11	Apr 16 12:54 2020	Apr 16 12:53 2020	16 Apr 2020 2:13 am

VF200415S.M Fri Apr 17 13:20:59 2020

A001705

↑ MDL MRL for 1112 tCA to 0.5/1.0 ppb oncol (FNT)
 EOS for ^{4/17/20} ~~Bromomethane~~, Chloroethane, Cl₃FC
 Carbon tetra chloride, & Bromoform

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D15055

Analysis Included
8260D Oxygenates
QC - 624x/8260x All Cpds for Studies

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0D15055-TUN1	MS Tune	Soil		A19L229	4/15/2020 7:54:00PM
0D15055-ICB1	Initial Cal Blank	Soil		A19L229	4/15/2020 8:21:00PM
0D15055-CAL1	Cal Standard	Soil	A20D151	"	4/15/2020 8:48:00PM
0D15055-CAL2	Cal Standard	Soil	A20D152	"	4/15/2020 9:15:00PM
0D15055-CAL3	Cal Standard	Soil	A20D153	"	4/15/2020 9:42:00PM
0D15055-CAL4	Cal Standard	Soil	A20D154	"	4/15/2020 10:09:00PM
0D15055-CAL5	Cal Standard	Soil	A20D155	"	4/15/2020 10:36:00PM
0D15055-CAL6	Cal Standard	Soil	A20D156	"	4/15/2020 11:03:00PM
0D15055-CAL7	Cal Standard	Soil	A20D157	"	4/15/2020 11:30:00PM
0D15055-CAL8	Cal Standard	Soil	A20D158	"	4/15/2020 11:57:00PM
0D15055-CAL9	Cal Standard	Soil	A20D159	"	4/16/2020 12:25:00AM
0D15055-CALA	Cal Standard	Soil	A20D160	"	4/16/2020 1:19:00AM
0D15055-CALB	Cal Standard	Soil	A20D161	"	4/16/2020 2:13:00AM
0D15055-ICV1	Initial Cal Check	Soil	A20D127	"	4/16/2020 3:34:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0D1705 Instrument: VOA-GCMS6

8260D Oxygenates Sequence: 0D15055 Matrix: Soil

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D15055-CAL1					
0D15055-CAL2					
0D15055-CAL3					
0D15055-CAL4					
0D15055-CAL5					
0D15055-CAL6					
0D15055-CAL7					
0D15055-CAL8					
0D15055-CAL9					
0D15055-CALA					
0D15055-CALB					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D15055

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 quadratic 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 option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D1705** Instrument: **VOA-GCMS6**

QC - 624x/8260x All Cpds for Sequence: **0D15055** Matrix: Soil

0D15055-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
Chloroethane	10	20.0	29.66	148	E-05
Trichlorofluoromethane	2	20.0	26.80	134	E-05
Carbon tetrachloride	1	20.0	26.42	132	E-05
Bromoform	2	20.0	28.19	141	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.

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041520.D
 Acq On : 16 Apr 2020 3:34 am
 Operator : tb
 Sample : 0D15055-ICV1
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:38:00 2020
 Quant Method: C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Handwritten: 4/17/20

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	Pentafluorobenzene (I)	50.000	50.000	0.0	120	0.00
2	Dichlorodifluoromethane	20.000	20.440	-2.2	127	-0.01
3 P	Chloromethane	20.000	17.346	13.3	108	0.00
4 C	Vinyl Chloride	20.000	20.515	-2.6	125	-0.02
5	Bromomethane	20.000	20.753	-3.8	127	-0.01
6	Chloroethane	20.000	29.660	-48.3#	185	0.00
7	Trichlorofluoromethane	20.000	26.804	-34.0#	151	0.01
8	Ethanol	1250.000	1278.972	-2.3	120	0.07
9 C	1,1-Dichloroethene	20.000	19.399	3.0	115	0.00
10	Carbon Disulfide	20.000	19.568	2.2	116	0.00
11	Freon 113	20.000	20.639	-3.2	116	0.00
12	Iodomethane	20.000	16.666	16.7	119	0.00
13	Methylene Chloride	20.000	19.867	0.7	116	0.00
14	Acetone	40.000	33.416	16.5	94	0.00
15	t-1,2-Dichloroethene	20.000	19.712	1.4	116	0.00
16	n-Hexane	20.000	20.255	-1.3	116	0.00
17	Methyl-tert-butyl-ether	20.000	19.110	4.5	116	-0.01
18	tert-Butanol (TBA)	1250.000	1152.361	7.8	99	0.00
19	Diisopropyl ether (DIPE)	5.000	4.859	2.8	115	0.00
20 P	1,1-Dichloroethane	20.000	19.922	0.4	116	0.00
21	Acrylonitrile	20.000	18.809	6.0	102	0.00
22	Ethyl-tert-butyl ether (ETB)	5.000	4.913	1.7	118	0.00
23	c-1,2-Dichloroethene	20.000	20.000	0.0	118	0.00
24	2,2-Dichloropropane	20.000	19.401	3.0	115	0.00
25	Bromochloromethane	20.000	19.464	2.7	112	0.00
26 C	Chloroform	20.000	20.072	-0.4	120	0.00
27	Carbon Tetrachloride	20.000	26.416	-32.1#	153	0.00
28	Tetrahydrofuran	20.000	16.741	16.3	101	0.00
29	1,1,1-Trichloroethane	20.000	22.377	-11.9	129	0.00
30 S	Dibromofluoromethane (S)	50.000	51.876	-3.8	121	0.00
31	1,1-Dichloropropene	20.000	20.278	-1.4	117	0.00
32	2-Butanone (MEK)	40.000	35.806	10.5	103	0.00
33	Benzene	20.000	19.527	2.4	117	0.00
34	tert-Amyl methyl ether (TAM)	5.000	4.778	4.4	114	0.00
35	1,2-Dichloroethane (EDC)	20.000	19.313	3.4	115	0.00
36	iso-Butyl Alcohol	500.000	436.669	12.7	110	0.02
37 S	1,4-Difluorobenzene (S)	50.000	49.841	0.3	120	0.00
38	Trichloroethene (TCE)	20.000	19.451	2.7	116	0.00
39	tert-Amyl ethyl ether (TAE)	5.000	4.633	7.3	119	0.00
40	Dibromomethane	20.000	20.433	-2.2	118	0.00
41 C	1,2-Dichloropropane	20.000	19.650	1.8	116	0.00
42	Bromodichloromethane	20.000	24.498	-22.5	142	0.00
43	Chlorobenzene-d5 (I)	50.000	50.000	0.0	132	0.00
44	c-1,3-Dichloropropene	20.000	22.419	-12.1	131	0.00
45 S	Toluene-d8 (S)	50.000	49.324	1.4	123	0.00
46 C	Toluene	20.000	18.935	5.3	121	0.00
47	Tetrachloroethene (PCE)	20.000	19.943	0.3	121	0.00
48	4-Methyl-2-Pentanone (MIBK)	40.000	41.315	-3.3	129	0.00
49	t-1,3-Dichloropropene	20.000	20.159	-0.8	131	0.00
50	1,1,2-Trichloroethane	20.000	20.173	-0.9	127	0.00

Handwritten: EOS

Handwritten: EOS

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041520.D
 Acq On : 16 Apr 2020 3:34 am
 Operator : tb
 Sample : 0D15055-ICV1
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:38:00 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 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)
51	Dibromochloromethane	20.000	25.664	-28.3	173	0.00
52	1,3-Dichloropropane	20.000	19.428	2.9	124	0.00
53	1,2-Dibromoethane (EDB)	20.000	21.524	-7.6	129	0.00
54	2-Hexanone	40.000	41.747	-4.4	118	0.00
55 P	Chlorobenzene	20.000	19.502	2.5	131	0.00
56 C	Ethylbenzene	20.000	19.842	0.8	128	0.00
57	1,1,1,2-Tetrachloroethane	20.000	22.693	-13.5	168	0.00
58	m,p-Xylenes (2)	40.000	39.800	0.5	126	0.00
59	o-Xylene	20.000	20.353	-1.8	130	0.00
60	Styrene	20.000	19.998	0.0	133	0.00
61 P	Bromoform	20.000	28.190	-41.0#	203	0.00
62	Isopropylbenzene	20.000	21.114	-5.6	131	0.00
63 I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	134	0.00
64 S	4-Bromofluorobenzene (S)	50.000	49.973	0.1	139	0.00
65	Bromobenzene	20.000	20.016	-0.1	136	0.00
66	n-Propylbenzene	20.000	20.104	-0.5	131	0.00
67 P	1,1,2,2-Tetrachloroethane	20.000	23.798	-19.0	150	0.00
68	2-Chlorotoluene	20.000	19.906	0.5	132	0.00
69	1,3,5-Trimethylbenzene	20.000	20.171	-0.9	131	0.00
70	1,2,3-Trichloropropane	20.000	21.897	-9.5	137	0.00
71	t-1,4-Dichloro-2-butene	20.000	20.942	-4.7	163	0.00
72	4-Chlorotoluene	20.000	19.971	0.1	134	0.00
73	tert-Butylbenzene	20.000	20.338	-1.7	135	0.00
74	1,2,4-Trimethylbenzene	20.000	20.885	-4.4	133	0.00
75	sec-Butylbenzene	20.000	20.611	-3.1	134	0.00
76	4-Isopropyltoluene	20.000	20.997	-5.0	134	0.00
77	1,3-Dichlorobenzene	20.000	20.231	-1.2	133	0.00
78	1,4-Dichlorobenzene	20.000	19.553	2.2	133	0.00
79	n-Butylbenzene	20.000	20.816	-4.1	134	0.00
80	1,2-Dichlorobenzene	20.000	19.792	1.0	131	0.00
81	1,2-Dibromo-3-Chloropropane	20.000	20.013	-0.1	142	0.00
82	Hexachlorobutadiene	20.000	23.917	-19.6	146	0.00
83	1,2,4-Trichlorobenzene	20.000	22.453	-12.3	132	0.00
84	Naphthalene	20.000	19.590	2.1	120	0.00
85	1,2,3-Trichlorobenzene	20.000	21.263	-6.3	126	0.00

-EOS

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

Compound List Report VOA-GCMS6

Method Path : C:\msdchem\1\METHODS\
 Method File : VF200415S.M
 Title : EPA 8260: Volatile Organic Compounds
 Last Update : Thu Apr 16 13:10:17 2020
 Response Via : Initial Calibration

Total Cpnds : 85

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (I)	99	6.020	1.000	A	2	A R
2		Dichlorodifluoromethane	85	1.602	0.266	A	2	A R
3	P	Chloromethane	50	1.810	0.301	A	2	A R
4	C	Vinyl Chloride	62	1.907	0.317	A	2	A R
5		Bromomethane	96	2.260	0.375	A	2	A R
6		Chloroethane	64	2.382	0.396	A	2	A R
7		Trichlorofluoromethane	101	2.509	0.417	A	2	A R
8		Ethanol	45	3.191	0.530	A	1	A R
9	C	1,1-Dichloroethene	61	3.069	0.510	A	2	A R
10		Carbon Disulfide	76	3.081	0.512	A	2	A R
11		Freon 113	101	3.118	0.518	A	2	A R
12		Iodomethane	142	3.227	0.536	A ^{1/2}	2	A R
13		Methylene Chloride	84	3.713	0.617	A	2	A R
14		Acetone	43	3.799	0.631	A	1	A R
15		t-1,2-Dichloroethene	61	3.872	0.643	A	2	A R
16		n-Hexane	86	3.945	0.655	A	3	A R
17		Methyl-tert-butyl-ether	73	4.018	0.668	A	3	A R
18		tert-Butanol (TBA)	59	4.188	0.696	A	1	A B
19		Diisopropyl ether (DIPE)	45	4.407	0.732	A	2	A R
20	P	1,1-Dichloroethane	63	4.511	0.749	A	2	A R
21		Acrylonitrile	53	4.578	0.760	A	2	A R
22		Ethyl-tert-butyl ether (ETBE)	59	4.772	0.793	A	2	A R
23		c-1,2-Dichloroethene	61	5.064	0.841	A	2	A R
24		2,2-Dichloropropane	77	5.168	0.859	A	2	A R
25		Bromochloromethane	49	5.265	0.875	A	2	A R
26	C	Chloroform	83	5.350	0.889	A	2	A R
27		Carbon Tetrachloride	117	5.472	0.909	A ^{1/2}	2	A R
28		Tetrahydrofuran	42	5.521	0.917	A	2	A R
29		1,1,1-Trichloroethane	97	5.545	0.921	A	2	A R
30	S	Dibromofluoromethane (S)	111	5.533	0.919	A	2	A R
31		1,1-Dichloropropene	75	5.673	0.942	A	2	A R
32		2-Butanone (MEK)	43	5.673	0.942	A	2	A R
33		Benzene	78	5.928	0.985	A	2	A R
34		tert-Amyl methyl ether (TAME)	73	6.062	1.007	A	2	A R
35		1,2-Dichloroethane (EDC)	62	6.147	1.021	A	2	A R
36		iso-Butyl Alcohol	43	6.214	1.032	A	2	A R
37	S	1,4-Difluorobenzene (S)	114	6.585	1.094	A	2	A R
38		Trichloroethene (TCE)	130	6.549	1.088	A	2	A R
39		tert-Amyl ethyl ether (TAEF)	59	6.804	1.130	A	2	A R
40		Dibromomethane	93	6.999	1.163	A	2	A R
41	C	1,2-Dichloropropane	63	7.102	1.180	A	2	A R
42		Bromodichloromethane	83	7.181	1.193	A ^{1/2}	2	A R
43	I	Chlorobenzene-d5 (I)	117	9.743	1.000	A	2	A R
44		c-1,3-Dichloropropene	75	7.881	0.809	A ^{1/2}	2	A R
45	S	Toluene-d8 (S)	98	8.088	0.830	A	2	A R
46	C	Toluene	91	8.149	0.836	A	2	A R
47		Tetrachloroethene (PCE)	166	8.599	0.883	A	2	A R
48		4-Methyl-2-Pentanone (MIBK)	43	8.599	0.883	A	2	A R
49		t-1,3-Dichloropropene	75	8.641	0.887	A ^{1/2}	2	A R
50		1,1,2-Trichloroethane	97	8.818	0.905	A	2	A R
51		Dibromochloromethane	129	9.006	0.924	A ^{1/2}	2	A R
52		1,3-Dichloropropane	76	9.104	0.934	A	2	A R
53		1,2-Dibromoethane (EDB)	107	9.244	0.949	A	2	A R
54		2-Hexanone	43	9.481	0.970	A	2	A R
55	P	Chlorobenzene	112	9.761	1.002	A	2	A R

56	C	Ethylbenzene	91	9.785	1.004	A	2	A	R
57		1,1,1,2-Tetrachloroethane	131	9.821	1.008	Q^1/a	2	A	R
58		m,p-Xylenes (2)	91	9.919	1.018	A	2	A	R
59		o-Xylene	91	10.302	1.057	A	2	A	R
60		Styrene	104	10.351	1.062	Q^1/a	2	A	R
61	P	Bromoform	173	10.381	1.066	Q^1/a^2	2	A	R
62		Isopropylbenzene	105	10.576	1.086	A	2	A	R
63	I	1,4-Dichlorobenzene-d4 (I)	152	11.702	1.000	A	2	A	R
64	S	4-Bromofluorobenzene (S)	174	10.819	0.925	A	2	A	R
65		Bromobenzene	156	10.899	0.931	A	2	A	R
66		n-Propylbenzene	91	10.917	0.933	A	2	A	R
67	P	1,1,2,2-Tetrachloroethane	83	10.984	0.939	A	2	A	R
68		2-Chlorotoluene	126	11.051	0.944	A	2	A	R
69		1,3,5-Trimethylbenzene	105	11.075	0.946	A	2	A	R
70		1,2,3-Trichloropropane	110	11.093	0.948	A	2	A	R
71		t-1,4-Dichloro-2-butene	88	11.123	0.951	Q^1/a	3	A	R
72		4-Chlorotoluene	91	11.184	0.956	A	2	A	R
73		tert-Butylbenzene	91	11.330	0.968	A	2	A	R
74		1,2,4-Trimethylbenzene	105	11.385	0.973	A	2	A	R
75		sec-Butylbenzene	105	11.464	0.980	A	2	A	R
76		4-Isopropyltoluene	119	11.574	0.989	A	2	A	R
77		1,3-Dichlorobenzene	146	11.641	0.995	A	2	A	R
78		1,4-Dichlorobenzene	146	11.714	1.001	A	2	A	R
79		n-Butylbenzene	91	11.896	1.017	A	2	A	R
80		1,2-Dichlorobenzene	146	12.030	1.028	A	2	A	R
81		1,2-Dibromo-3-Chloropropane	157	12.632	1.080	Q^1/a	2	A	R
82		Hexachlorobutadiene	223	13.131	1.122	A	3	A	R
83		1,2,4-Trichlorobenzene	180	13.168	1.125	A	2	A	R
84		Naphthalene	128	13.441	1.149	A	2	A	R
85		1,2,3-Trichlorobenzene	180	13.606	1.163	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

F200415S.M Fri Apr 17 13:21:24 2020

Method Path : C:\msdchem\1\METHODS\

Method File : VF200415S.M

Title : EPA 8260: Volatile Organic Compounds

42)	Bromodichlorom...	0.408	0.615	0.635	0.735	0.690	0.795	0.885	1.029	1.211	1.399	0.840	35.53	
43)	Chlorobenzene-d5 (I)	-----ISTD-----												
44)	c-1,3-Dichloro...	0.421	0.428	0.431	0.464	0.454	0.539	0.605	0.635	0.647	0.707	0.533	20.17	
45) S	Toluene-d8 (S)	1.382	1.405	1.399	1.424	1.469	1.441	1.446	1.504	1.446	1.351	1.342	1.419	3.47
46) C	Toluene	2.308	2.040	1.986	1.847	1.926	1.722	1.883	1.993	1.883	1.803	1.866	1.933	7.96
47)	Tetrachloroeth...	0.348	0.370	0.371	0.401	0.354	0.395	0.420	0.401	0.385	0.412	0.386	6.32	
48)	4-Methyl-2-Pen...	0.672	0.745	0.648	0.575	0.589	0.557	0.632	0.694	0.686	0.704	0.727	0.657	9.53
49)	t-1,3-Dichloro...	0.381	0.352	0.375	0.414	0.408	0.482	0.563	0.604	0.627	0.697	0.490	25.15	
50)	1,1,2-Trichlor...	0.436	0.366	0.381	0.371	0.382	0.369	0.400	0.416	0.410	0.406	0.432	0.397	6.33
51)	Dibromochlorom...	0.077	0.104	0.129	0.132	0.148	0.170	0.218	0.279	0.350	0.179	49.50		
52)	1,3-Dichloropr...	0.882	0.758	0.756	0.749	0.775	0.728	0.780	0.807	0.784	0.758	0.804	0.780	5.29
53)	1,2-Dibromoeth...	0.303	0.309	0.337	0.323	0.376	0.407	0.416	0.414	0.443	0.370	14.27		
54)	2-Hexanone	0.416	0.395	0.330	0.353	0.373	0.371	0.432	0.489	0.491	0.463	0.478	0.417	13.73
55) P	Chlorobenzene	1.343	1.182	1.194	1.093	1.113	1.018	1.095	1.115	1.100	1.106	1.148	1.137	7.33
56) C	Ethylbenzene	2.038	1.845	1.870	1.742	1.875	1.717	1.884	1.933	1.916	1.911	1.988	1.884	5.00
57)	1,1,1,2-Tetrac...	0.079	0.124	0.135	0.144	0.153	0.179	0.209	0.258	0.315	0.364	0.196	46.17	
58)	m,p-Xylenes (2)	1.598	1.335	1.300	1.245	1.320	1.230	1.383	1.449	1.446	1.460	1.547	1.392	8.57
59)	o-Xylene	1.583	1.297	1.293	1.226	1.287	1.214	1.367	1.417	1.433	1.452	1.497	1.370	8.57
60)	Styrene	0.864	0.728	0.787	0.743	0.797	0.797	0.932	1.025	1.070	1.136	1.177	0.914	17.83
61) P	Bromoform	0.049	0.051	0.060	0.070	0.083	0.109	0.173	0.222	0.102	62.08			
62)	Isopropylbenzene	1.567	1.416	1.416	1.329	1.431	1.359	1.538	1.613	1.608	1.650	1.683	1.510	8.20
63) I	1,4-Dichlorobenzen...	-----ISTD-----												
64) S	4-Bromofluorob...	0.811	0.806	0.805	0.817	0.798	0.802	0.791	0.762	0.779	0.768	0.764	0.791	2.51
65)	Bromobenzene	0.966	0.728	0.918	0.860	0.844	0.815	0.870	0.851	0.863	0.868	0.919	0.864	7.12
66)	n-Propylbenzene	4.079	3.543	3.435	3.641	3.774	3.511	3.930	3.880	3.965	3.832	4.121	3.792	6.13
67) P	1,1,2,2-Tetrac...	0.917	0.986	0.858	0.796	0.840	0.771	0.828	0.949	0.916	0.981	0.963	0.891	8.53
68)	2-Chlorotoluene	0.773	0.760	0.666	0.733	0.758	0.702	0.771	0.758	0.775	0.770	0.826	0.754	5.56
69)	1,3,5-Trimethy...	2.681	2.367	2.419	2.454	2.522	2.385	2.645	2.672	2.747	2.686	2.902	2.589	6.62
70)	1,2,3-Trichlor...	0.299	0.315	0.349	0.365	0.334	0.361	0.378	0.371	0.378	0.386	0.353	8.23	
71)	t-1,4-Dichloro...	0.048	0.055	0.066	0.083	0.109	0.132	0.149	0.092	42.61				
72)	4-Chlorotoluene	2.553	2.394	2.283	2.279	2.378	2.188	2.371	2.377	2.414	2.391	2.531	2.378	4.43
73)	tert-Butylbenzene	1.467	1.352	1.463	1.355	1.400	1.325	1.471	1.448	1.474	1.465	1.548	1.434	4.68
74)	1,2,4-Trimethy...	2.740	2.233	2.169	2.293	2.484	2.392	2.633	2.663	2.738	2.682	2.845	2.534	9.12
75)	sec-Butylbenzene	2.995	2.773	2.649	2.821	2.910	2.723	3.065	3.027	3.087	3.035	3.220	2.937	5.99
76)	4-Isopropyltol...	2.337	2.082	2.204	2.181	2.344	2.182	2.504	2.500	2.580	2.540	2.721	2.380	8.55
77)	1,3-Dichlorobe...	1.542	1.271	1.425	1.318	1.379	1.292	1.409	1.418	1.403	1.418	1.460	1.394	5.56
78)	1,4-Dichlorobe...	1.797	1.558	1.508	1.442	1.482	1.377	1.461	1.473	1.437	1.445	1.478	1.496	7.33
79)	n-Butylbenzene	2.279	1.909	2.075	1.921	2.034	1.926	2.152	2.187	2.210	2.165	2.298	2.105	6.74
80)	1,2-Dichlorobe...	1.460	1.392	1.333	1.334	1.332	1.212	1.342	1.358	1.337	1.316	1.333	1.341	4.40
81)	1,2-Dibromo-3-...	0.082	0.073	0.081	0.100	0.131	0.167	0.181	0.174	0.171	0.225	0.130	42.84	
82)	Hexachlorobuta...	0.121	0.168	0.168	0.156	0.177	0.181	0.174	0.171	0.170	0.165	10.95		
83)	1,2,4-Trichlor...	0.557	0.508	0.600	0.665	0.693	0.646	0.712	0.764	0.769	0.723	0.747	0.671	12.85
84)	Naphthalene	2.081	2.077	2.466	2.766	2.920	2.598	2.846	2.536	13.69				
85)	1,2,3-Trichlor...	0.505	0.569	0.629	0.684	0.631	0.708	0.746	0.743	0.666	0.707	0.659	11.70	

(#) = Out of Range

Method Path : C:\msdchem\1\METHODS\
 Method File : VF200415S.M
 Title : EPA 8260: Volatile Organic Compounds
 Last Update : Thu Apr 16 13:10:17 2020
 Response Via : Initial Calibration

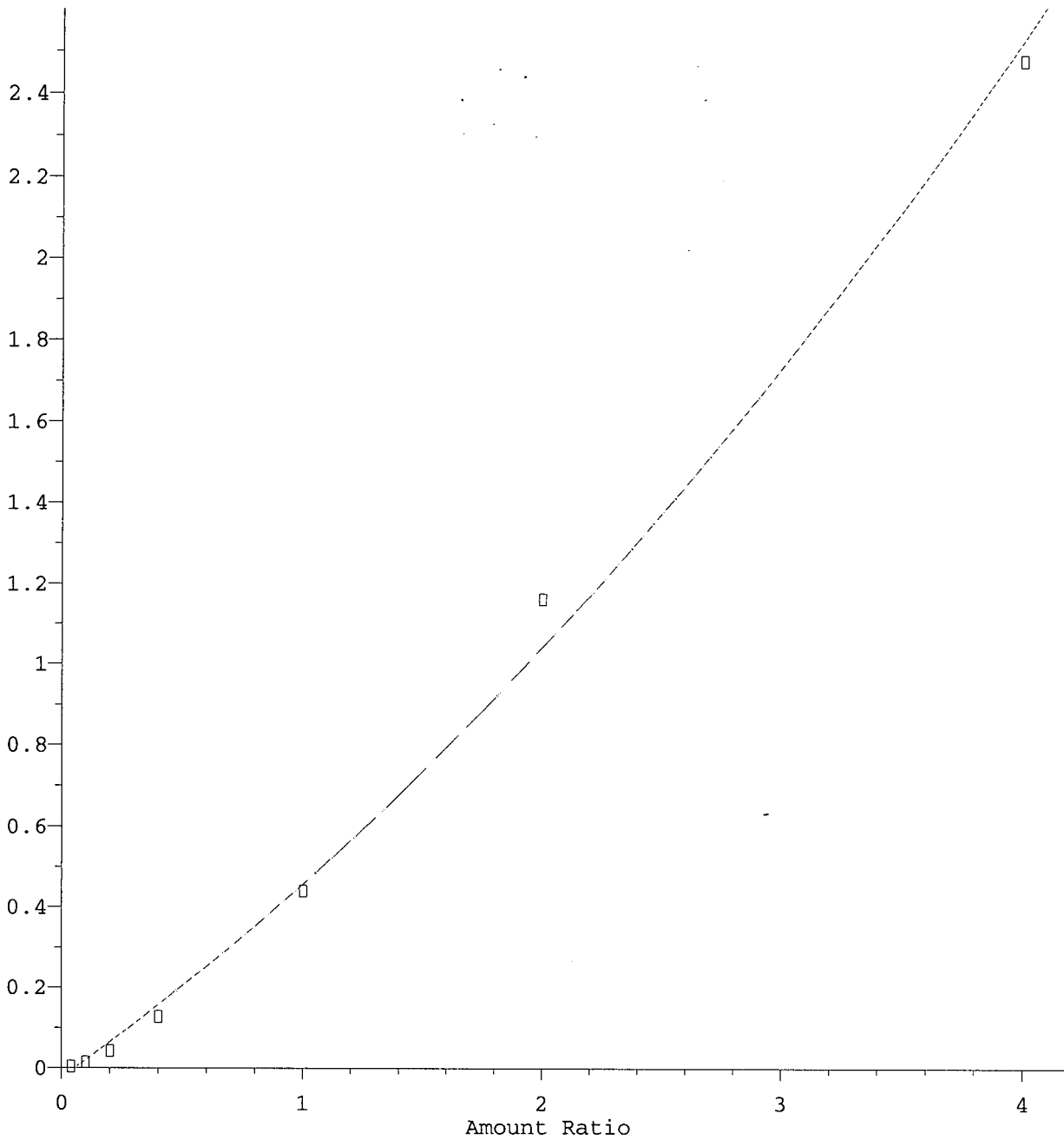
Calibration Files

1 =VF20041505.D 2 =VF20041506.D 3 =VF20041507.D 4 =VF20041508.D 5 =VF20041509.D 6 =VF20041510.D
 7 =VF20041511.D 8 =VF20041512.D 9 =VF20041513.D 10 =VF20041515.D 11 =VF20041517.D

Compound	1	2	3	4	5	6	7	8	9	10	11	Avg	%RSD
1) I Pentafluorobenzene...	-----ISTD-----												
2) Dichlorodifluo...			0.911	0.931	0.798	0.947	0.942	1.082	1.101	1.089	0.975	10.94	
3) P Chloromethane	1.820	1.802	1.660	1.461	1.433	1.260	1.396	1.422	1.450	1.257	1.244	1.473	13.90
4) C Vinyl Chloride	1.613	1.451	1.596	1.523	1.530	1.334	1.504	1.507	1.544	1.657	1.630	1.535	5.94
5) Bromomethane						1.070	1.086	0.930	0.859	0.930	0.853	0.955	10.58
6) Chloroethane			0.275	0.291	0.209	0.225	0.232	0.218				0.242	13.73
7) Trichlorofluor...			0.197	0.295	0.207	0.234	0.250	0.234				0.236	14.80
8) Ethanol			0.027	0.023	0.021	0.022	0.024	0.023				0.023	9.18
9) C 1,1-Dichloroet...	2.186	1.543	1.669	1.738	1.676	1.521	1.735	1.743	1.692	1.734	1.741	1.725	9.94
10) Carbon Disulfide	2.933	2.426	2.132	1.934	2.124	1.925	2.220	2.352	2.421	2.505	2.612	2.326	12.95
11) Freon 113		0.710	0.972	0.879	0.934	0.772	0.911	0.939	0.901	0.907	0.933	0.886	9.22
12) Iodomethane				0.100	0.146	0.212	0.318	0.440	0.581	0.619	0.345		60.05
13) Methylene Chlo...					1.257	1.218	1.142	1.050	1.020	0.998	1.114		9.70
14) Acetone					0.652	0.657	0.643	0.630	0.469	0.570	0.604		12.13
15) t-1,2-Dichloro...	1.905	1.595	1.693	1.598	1.607	1.508	1.664	1.693	1.661	1.675	1.722	1.666	6.01
16) n-Hexane			0.173	0.197	0.196	0.162	0.186	0.195	0.193	0.186	0.200	0.188	6.71
17) Methyl-tert-bu...	4.818	4.246	4.018	3.769	3.847	3.641	3.875	3.969	3.974	3.970	4.207	4.030	7.79
18) tert-Butanol (...)		0.216	0.197	0.186	0.193	0.187	0.203	0.225	0.225	0.185		0.202	8.15
19) Diisopropyl et...		4.530	4.595	4.128	4.373	3.961	4.285	4.347	4.226	4.234		4.298	4.53
20) P 1,1-Dichloroet...	2.389	2.127	2.174	2.030	2.147	2.027	2.162	2.224	2.145	2.173	2.136	2.158	4.48
21) Acrylonitrile			0.574	0.598	0.642	0.645	0.692	0.735	0.735	0.638	0.728	0.665	9.05
22) Ethyl-tert-but...			3.999	3.989	4.078	3.762	3.927	3.919	3.820	3.864		3.920	2.63
23) c-1,2-Dichloro...	1.800	1.792	1.539	1.595	1.667	1.537	1.667	1.702	1.676	1.705	1.735	1.674	5.29
24) 2,2-Dichloropr...		1.329	1.271	1.178	1.185	1.118	1.236	1.275	1.309	1.351	1.379	1.263	6.62
25) Bromochloromet...		1.045	1.093	1.107	1.135	1.062	1.116	1.139	1.098	1.067	1.087	1.095	2.81
26) C Chloroform	2.104	1.918	1.906	1.753	1.848	1.718	1.879	1.903	1.907	1.947	2.007	1.899	5.62
27) Carbon Tetrach...			0.369	0.448	0.514	0.487	0.606	0.662	0.743	0.910	1.070	0.646	35.48
28) Tetrahydrofuran				0.932	0.789	0.727	0.771	0.766	0.774	0.636	0.759	0.769	10.61
29) 1,1,1-Trichlor...			1.215	1.174	1.172	1.142	1.309	1.400	1.467	1.600	1.704	1.354	15.00
30) S Dibromofluorom...	0.816	0.808	0.807	0.809	0.810	0.828	0.829	0.866	0.885	0.915	0.938	0.846	5.57
31) 1,1-Dichloropr...		1.560	1.485	1.441	1.488	1.352	1.547	1.580	1.563	1.610	1.677	1.530	6.00
32) 2-Butanone (MEK)			1.041	0.895	0.958	0.861	0.950	0.990	0.992	0.871	1.034	0.955	7.01
33) Benzene	5.627	5.250	4.864	4.771	4.956	4.576	4.917	4.985	4.853	4.925	5.093	4.983	5.49
34) tert-Amyl meth...			3.945	3.912	3.685	3.401	3.592	3.693	3.583	3.626		3.680	4.84
35) 1,2-Dichloroet...	1.974	1.842	1.802	1.685	1.721	1.647	1.748	1.769	1.728	1.713	1.789	1.765	5.02
36) iso-Butyl Alcohol							0.065	0.076	0.088	0.077	0.094	0.080	14.25
37) S 1,4-Difluorobe...	3.105	3.102	3.065	3.097	3.094	3.100	3.084	3.092	3.093	3.121	3.138	3.099	0.61
38) Trichloroethen...	1.105	1.082	1.174	1.134	1.132	1.073	1.181	1.166	1.192	1.229	1.311	1.162	5.92
39) tert-Amyl ethy...					4.134	3.172	3.093	3.004	2.904	2.985		3.215	14.29
40) Dibromomethane		0.584	0.636	0.637	0.629	0.628	0.680	0.695	0.706	0.723	0.773	0.669	8.42
41) C 1,2-Dichloropr...	1.329	1.250	1.306	1.178	1.281	1.190	1.276	1.292	1.284	1.306	1.363	1.278	4.30

Iodomethane

Response Ratio



$R = 5.24e-002 A^2 + 4.28e-001 A - 2.22e-002$
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a)

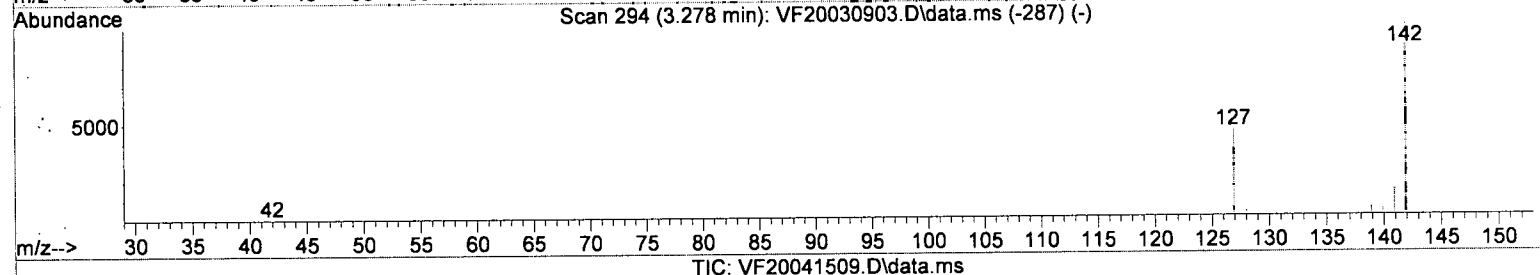
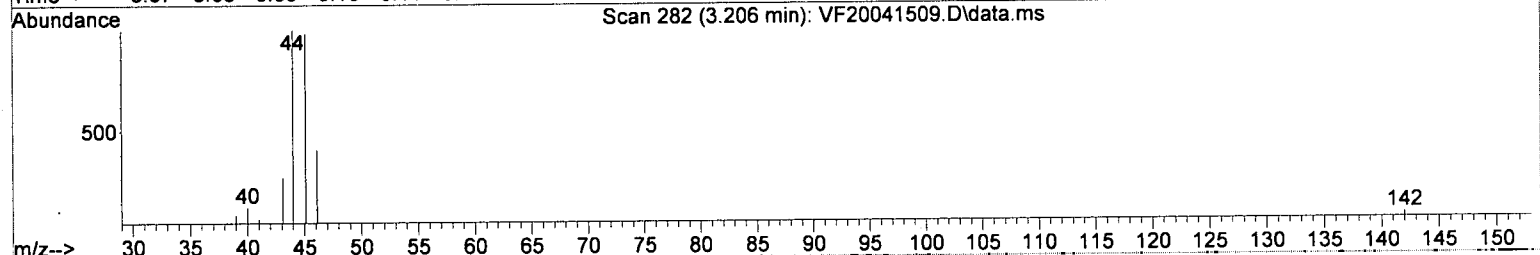
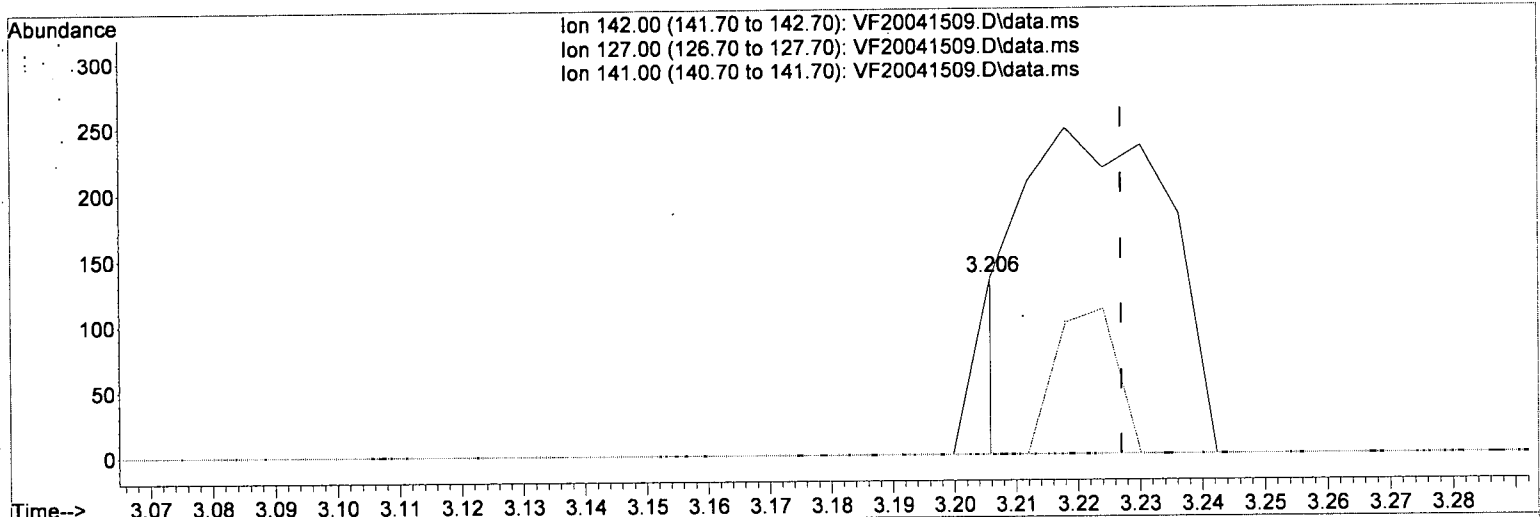
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 2.63

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



(12) Iodomethane

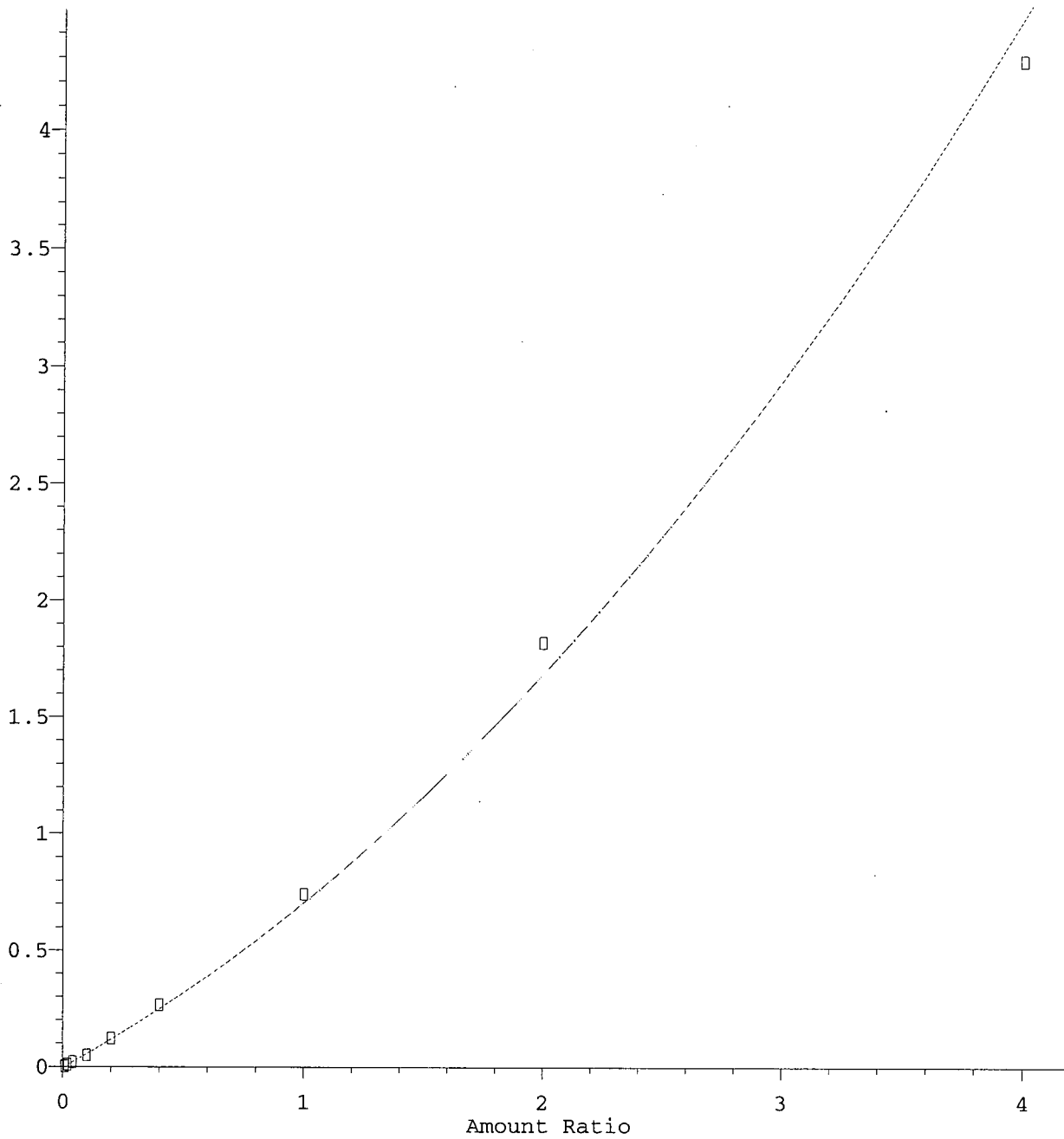
3.206min (-0.021) 2.63 ug/L m

response 49

Ion	Exp%	Act%
142.00	100	100
127.00	35.00	0.00#
141.00	15.00	0.00#
0.00	0.00	0.00

Carbon Tetrachloride

Response Ratio



$R = 1.36e-001 A^2 + 5.73e-001 A - 1.82e-003$
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)

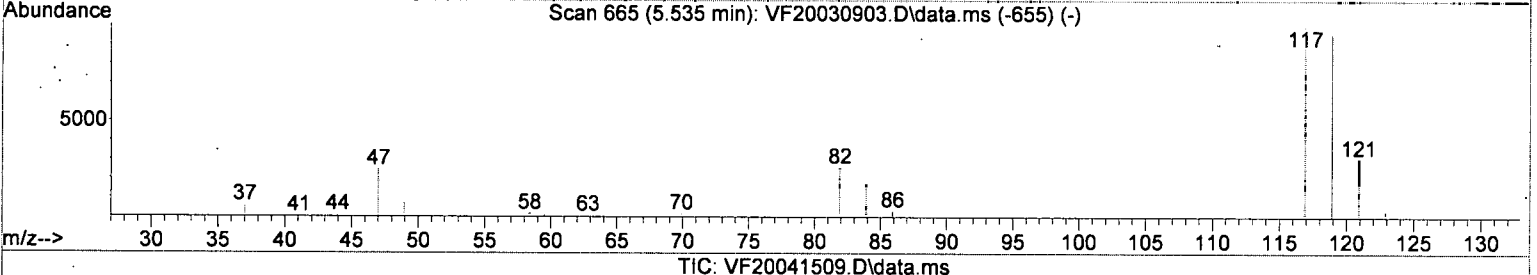
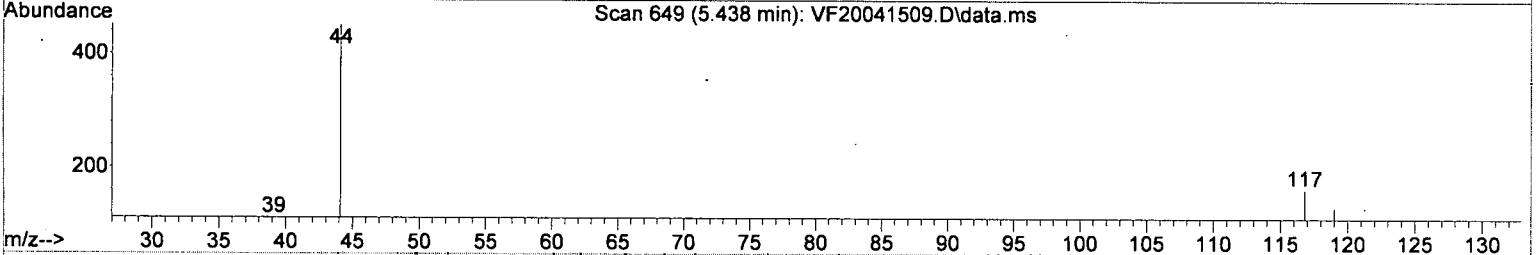
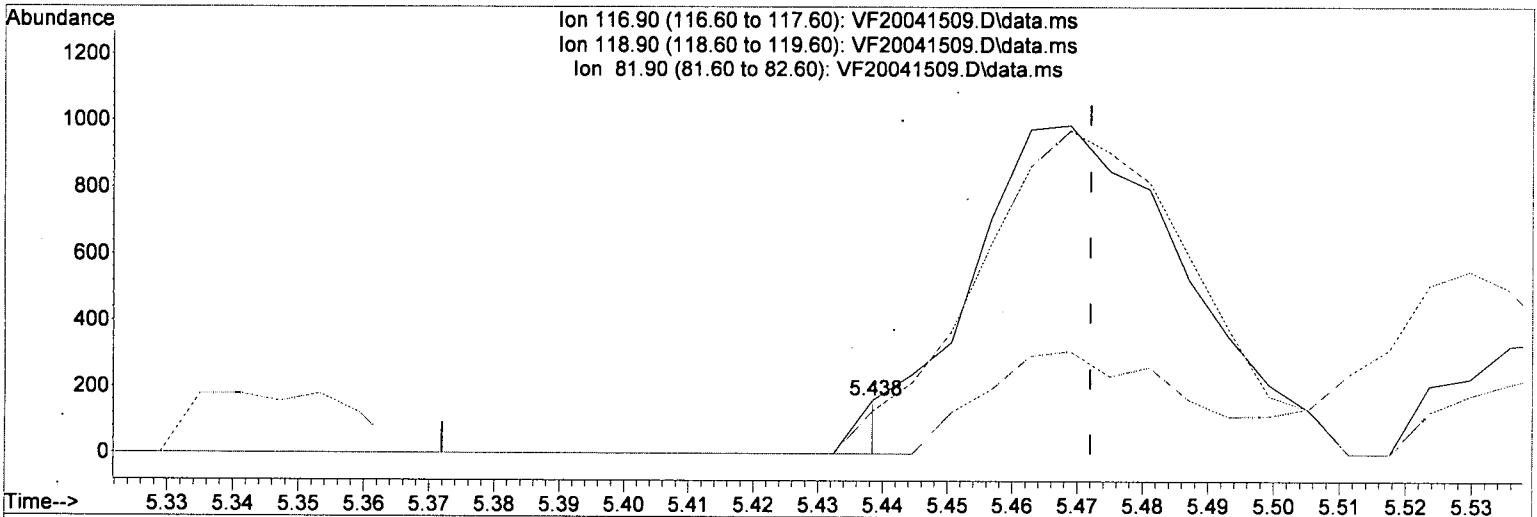
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



TIC: VF20041509.D\data.ms

(27) Carbon Tetrachloride

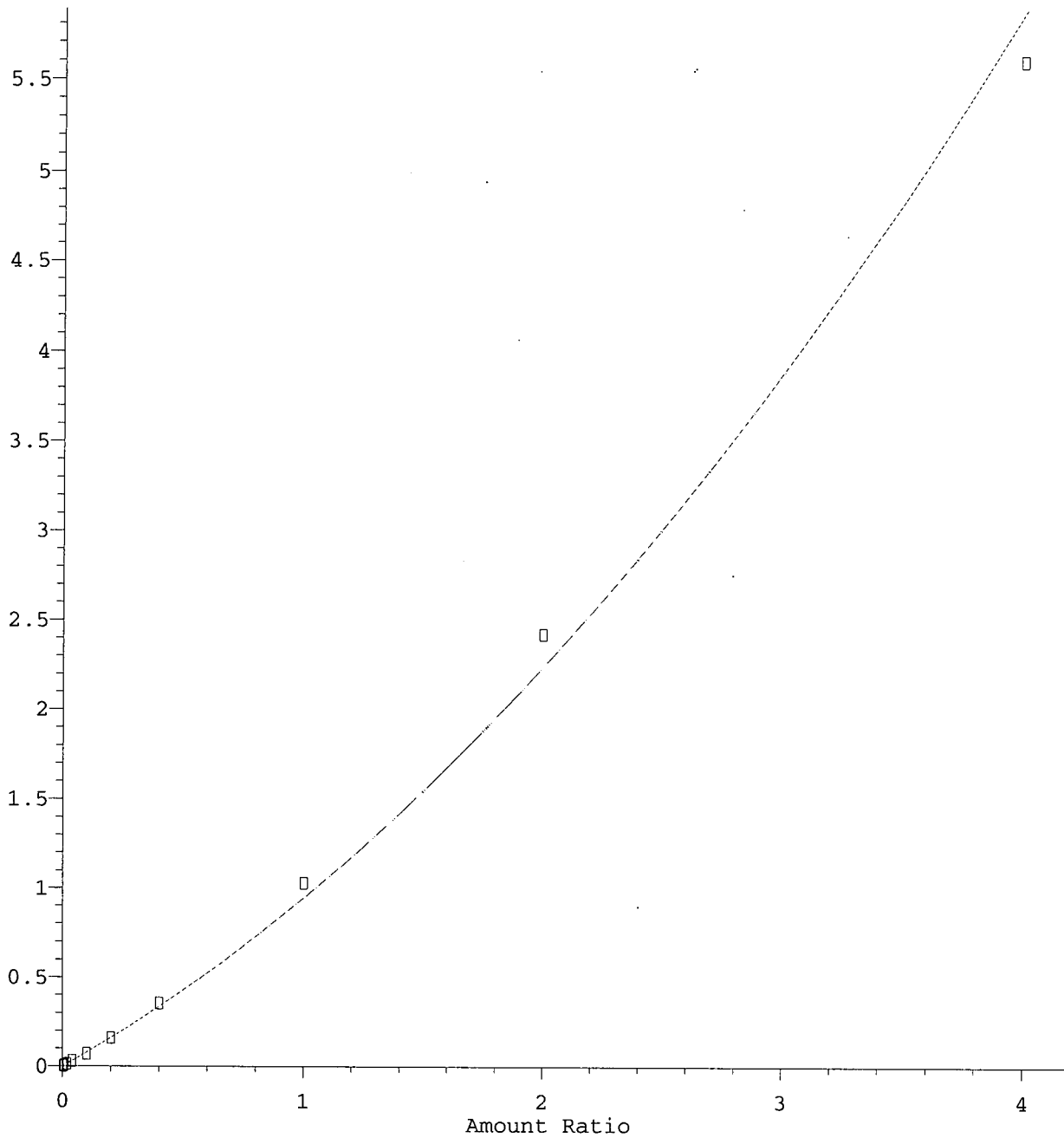
5.438min (-0.034) 0.20 ug/L m

response 59

Ion	Exp%	Act%
116.90	100	100
118.90	93.00	80.25
81.90	23.10	0.00
0.00	0.00	0.00

Bromodichloromethane

Response Ratio



$R = 1.72e-001 A^2 + 7.77e-001 A - 1.50e-003$
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)

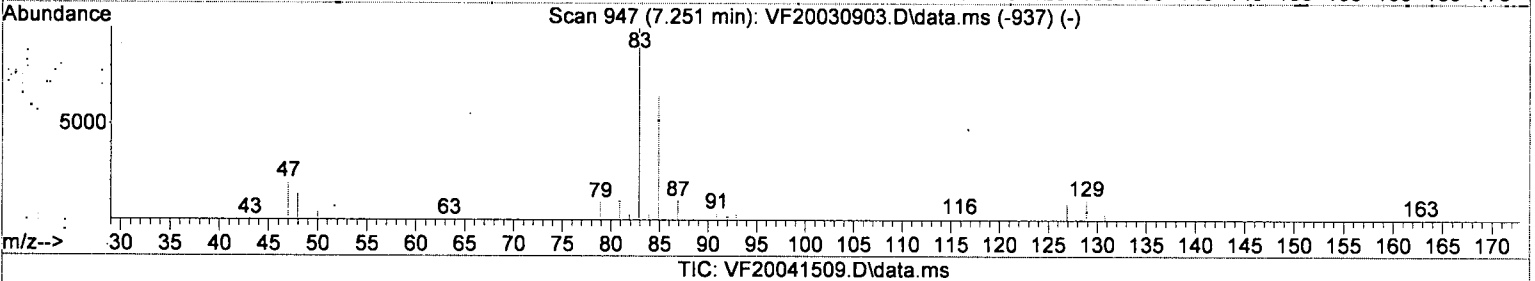
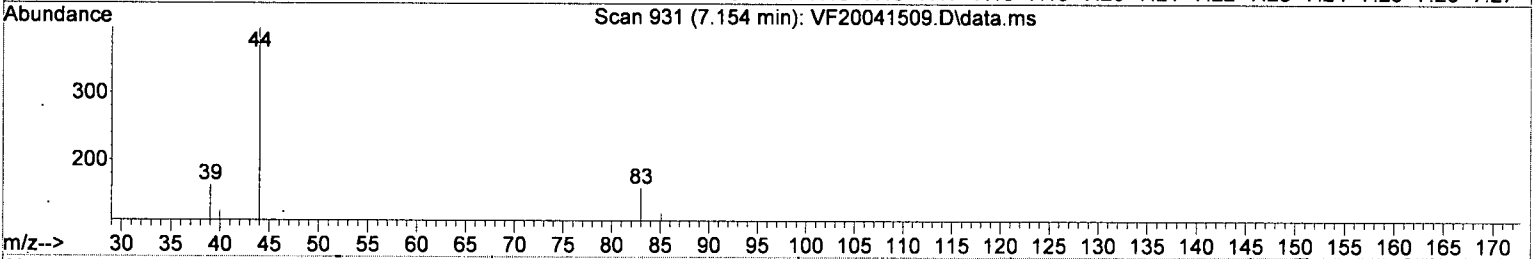
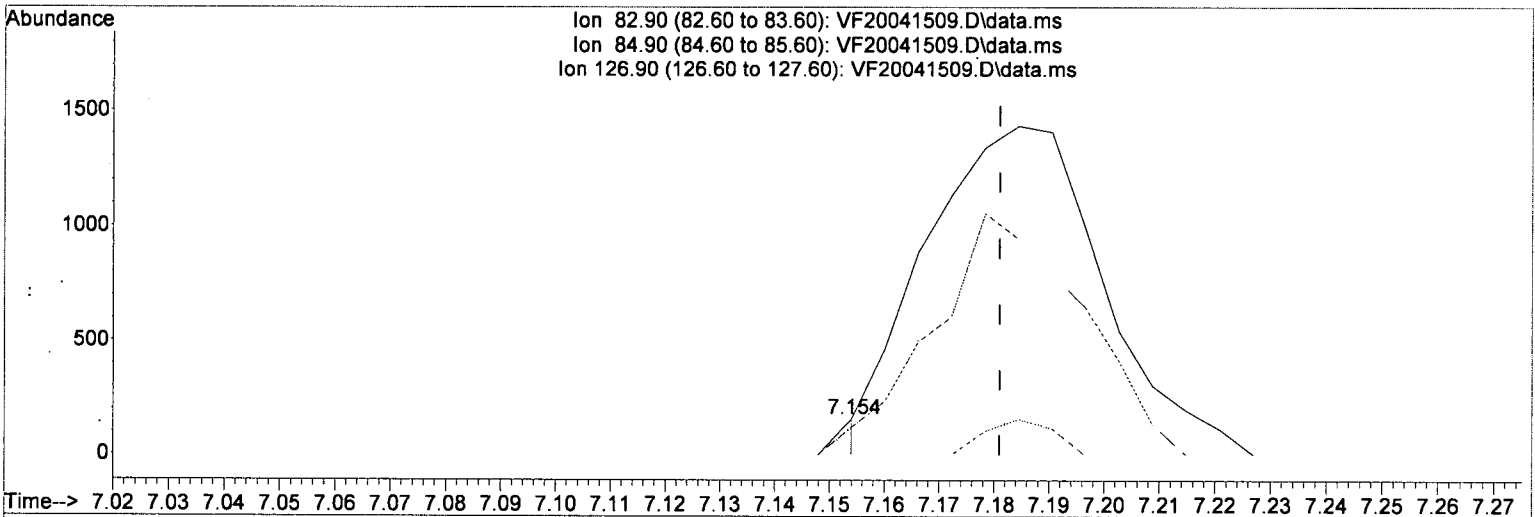
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.13

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



(42) Bromodichloromethane

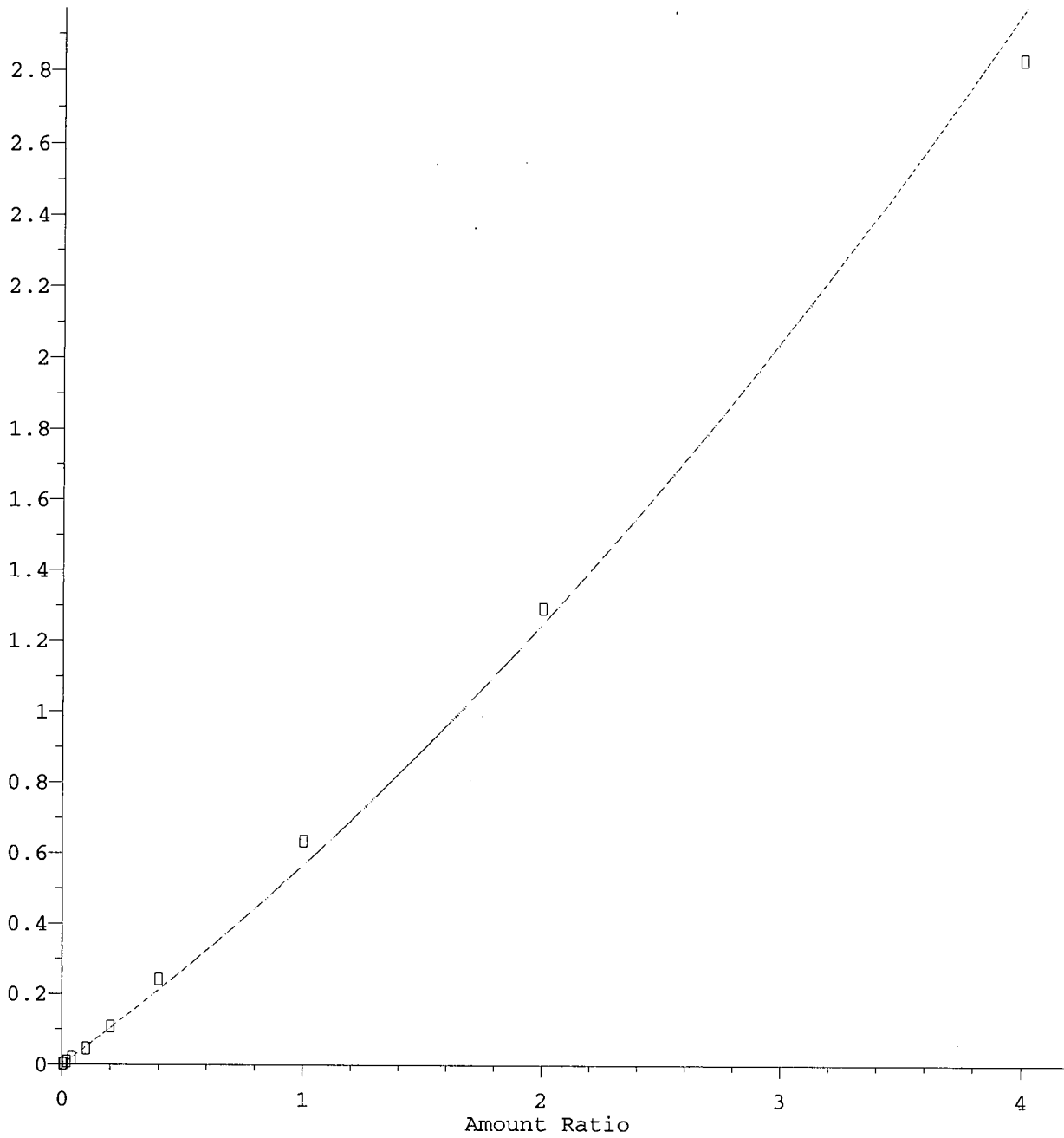
7.154min (-0.027) 0.13 ug/L m

response 58

Ion	Exp%	Act%
82.90	100	100
84.90	63.00	76.73
126.90	9.30	0.00
0.00	0.00	0.00

c-1,3-Dichloropropene

Response Ratio



$R = 5.76e-002 A^2 + 5.11e-001 A - 4.71e-004$
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w($1/a^2$)

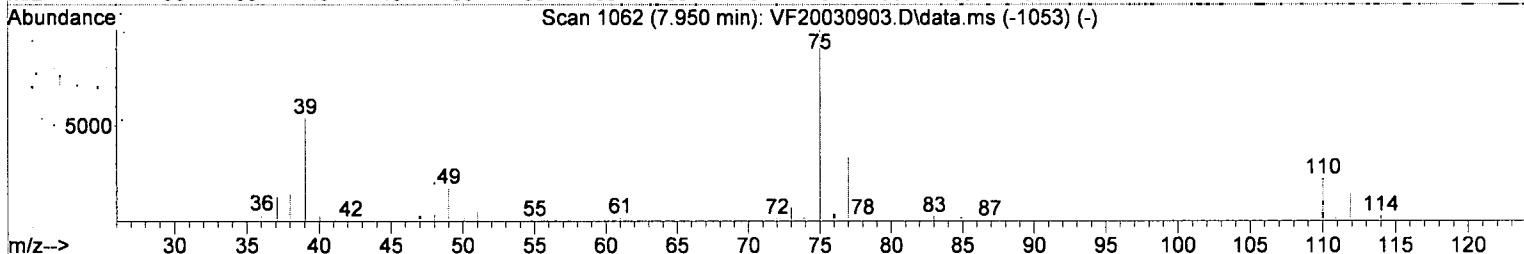
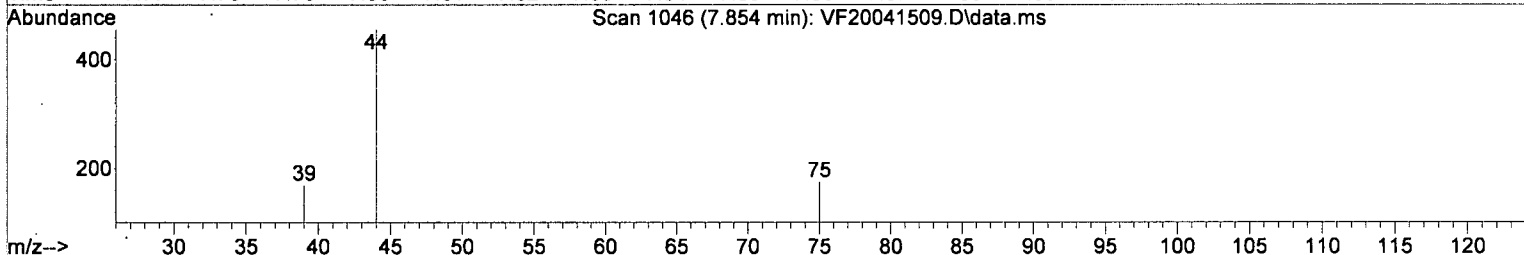
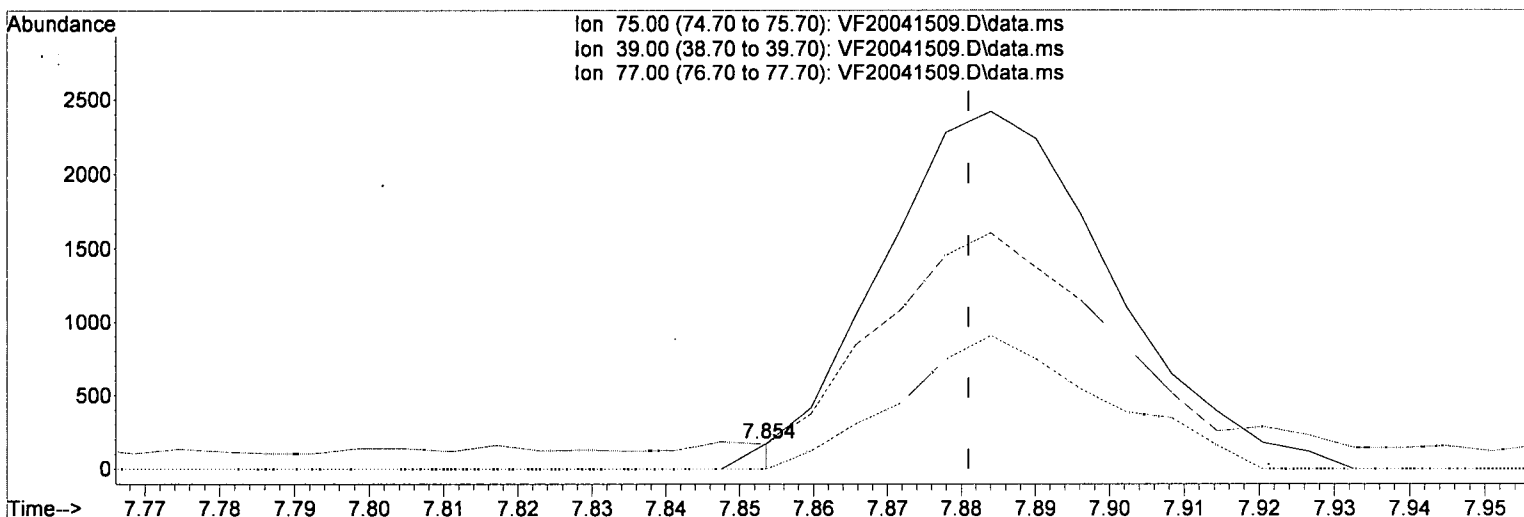
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.07

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



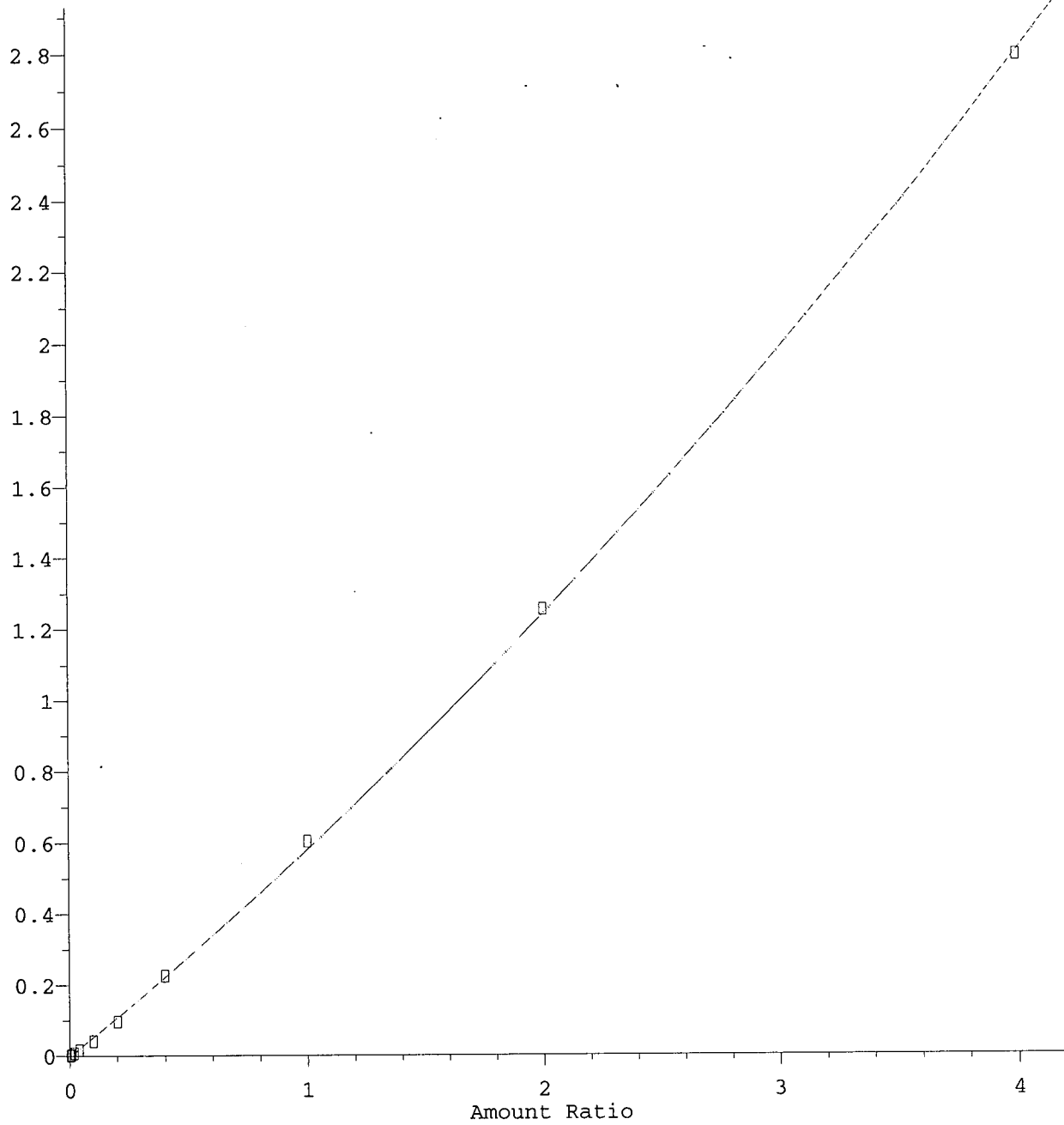
TIC: VF20041509.D\data.ms

(44) c-1,3-Dichloropropene
 7.854min (-0.027) 0.07 ug/L m
 response 64

Ion	Exp%	Act%
75.00	100	100
39.00	46.20	96.57#
77.00	33.30	0.00#
0.00	0.00	0.00

t-1,3-Dichloropropene

Response Ratio



$R = 3.94e-002 A^2 + 5.43e-001 A - 1.78e-003$
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

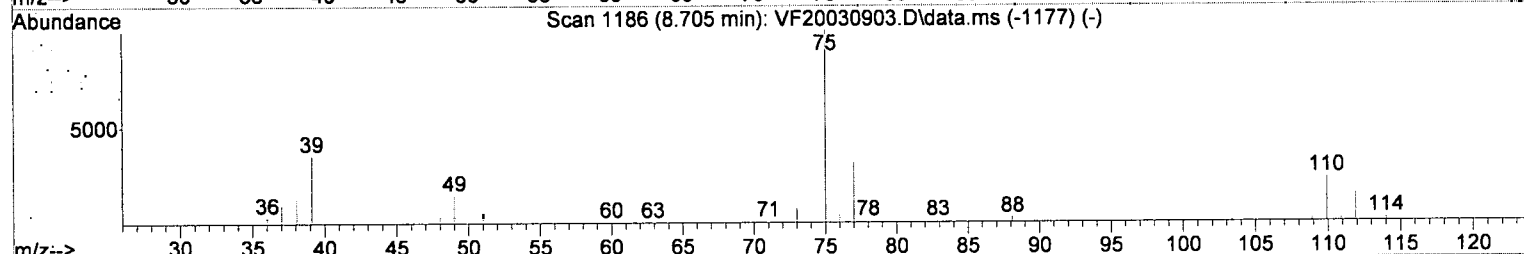
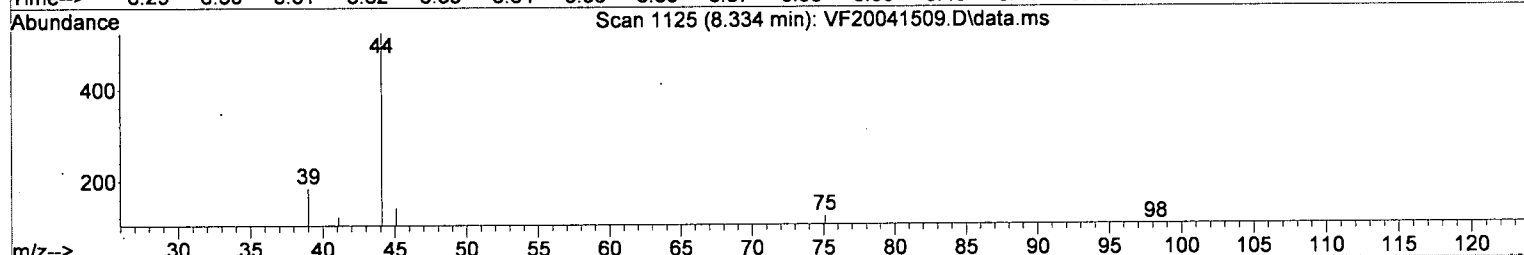
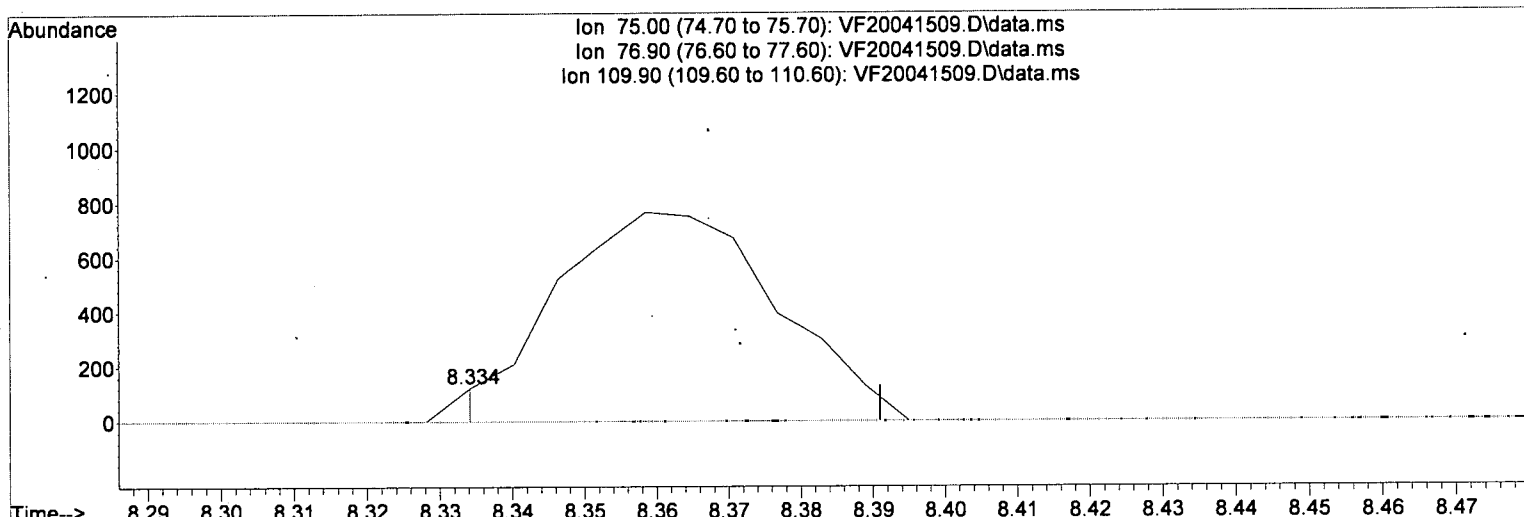
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.18

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



TIC: VF20041509.D\data.ms

(49) t-1,3-Dichloropropene

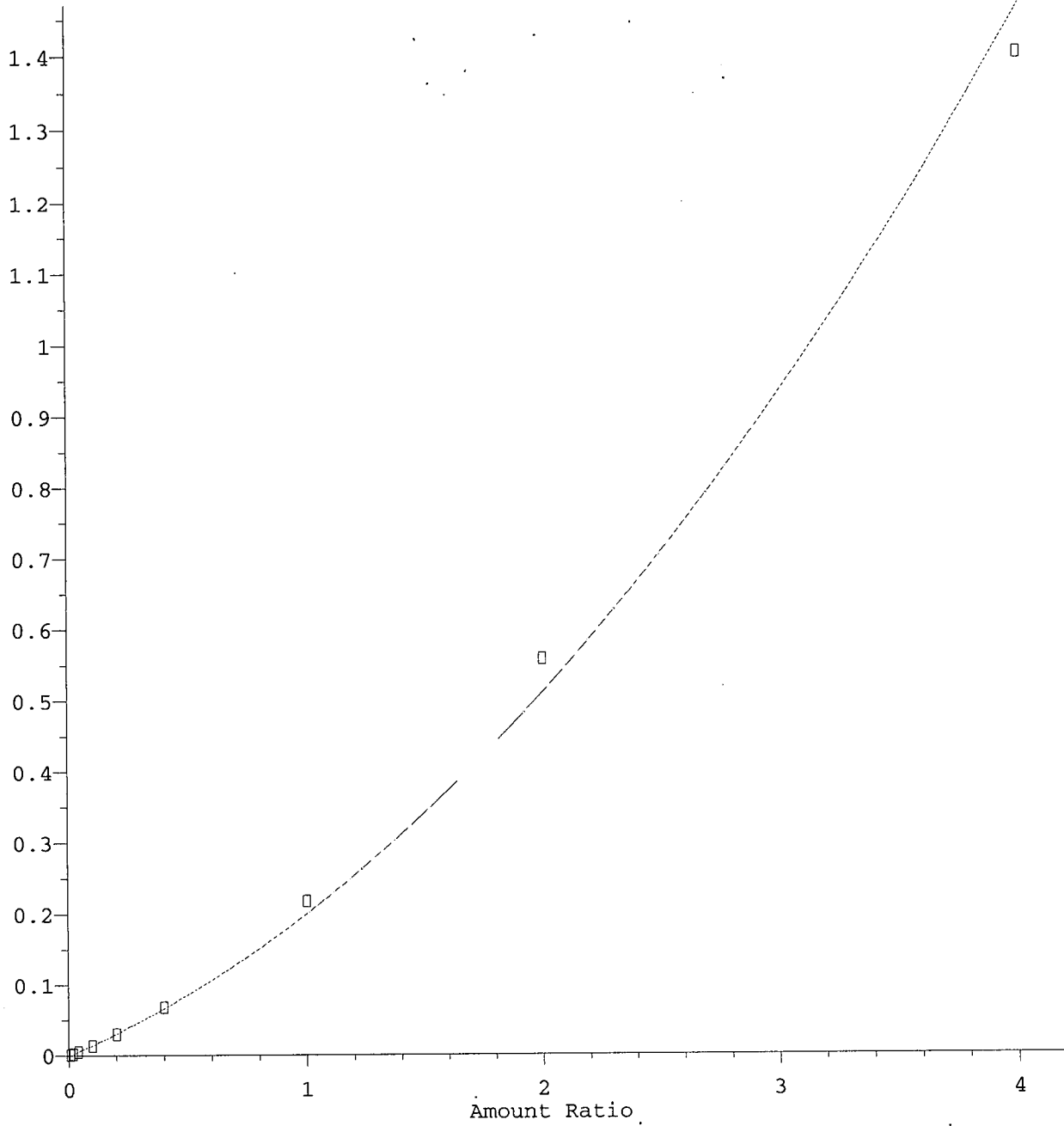
8.334min (-0.307) 0.18 ug/L m

response 45

Ion	Exp%	Act%
75.00	100	100
76.90	29.50	0.00
109.90	26.40	0.00
0.00	0.00	0.00

Dibromochloromethane

Response Ratio



$R = 5.50e-002 A^2 + 1.46e-001 A - 6.06e-004$
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w($1/a^2$)

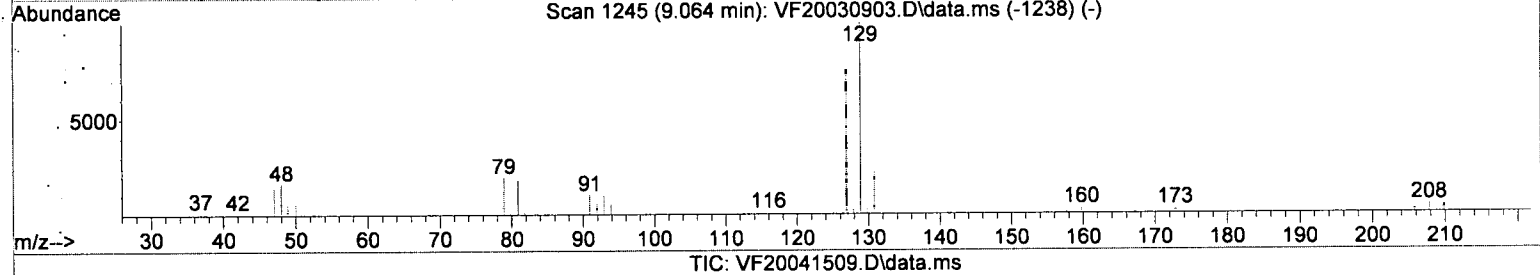
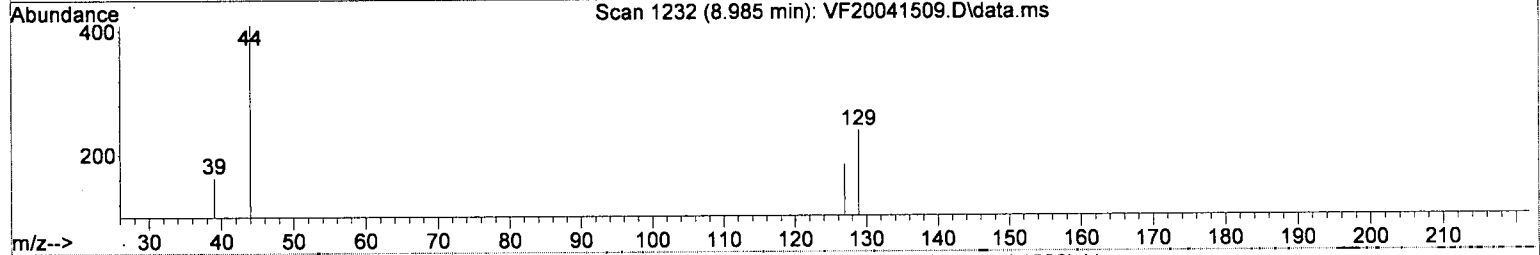
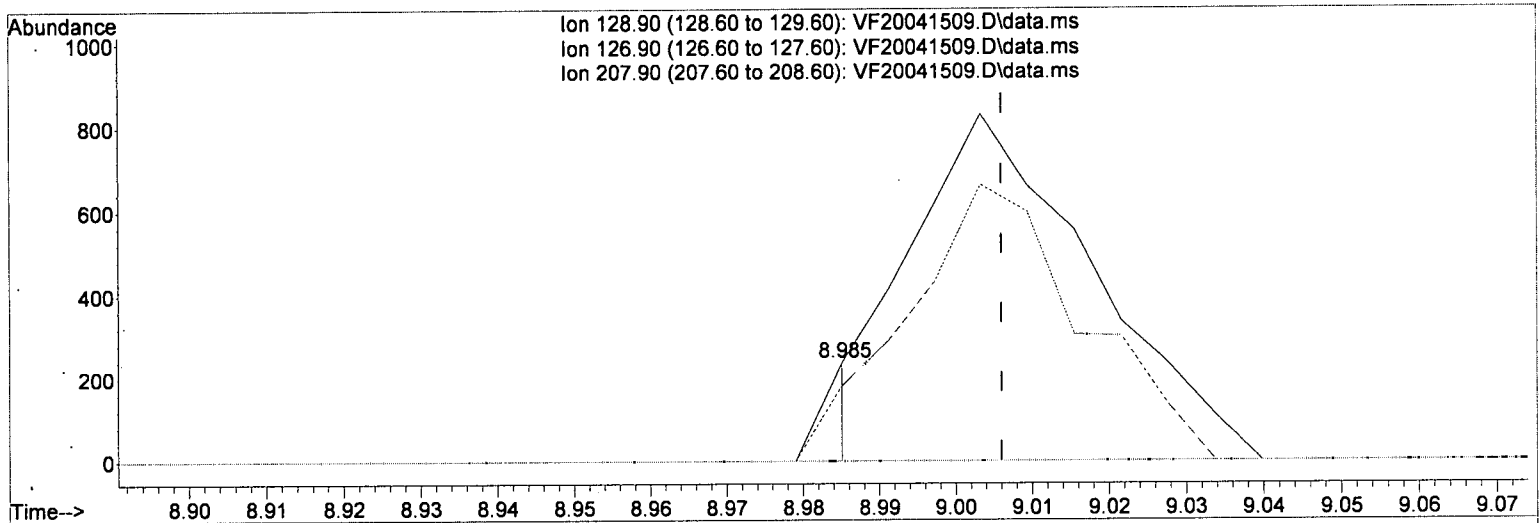
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.31

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



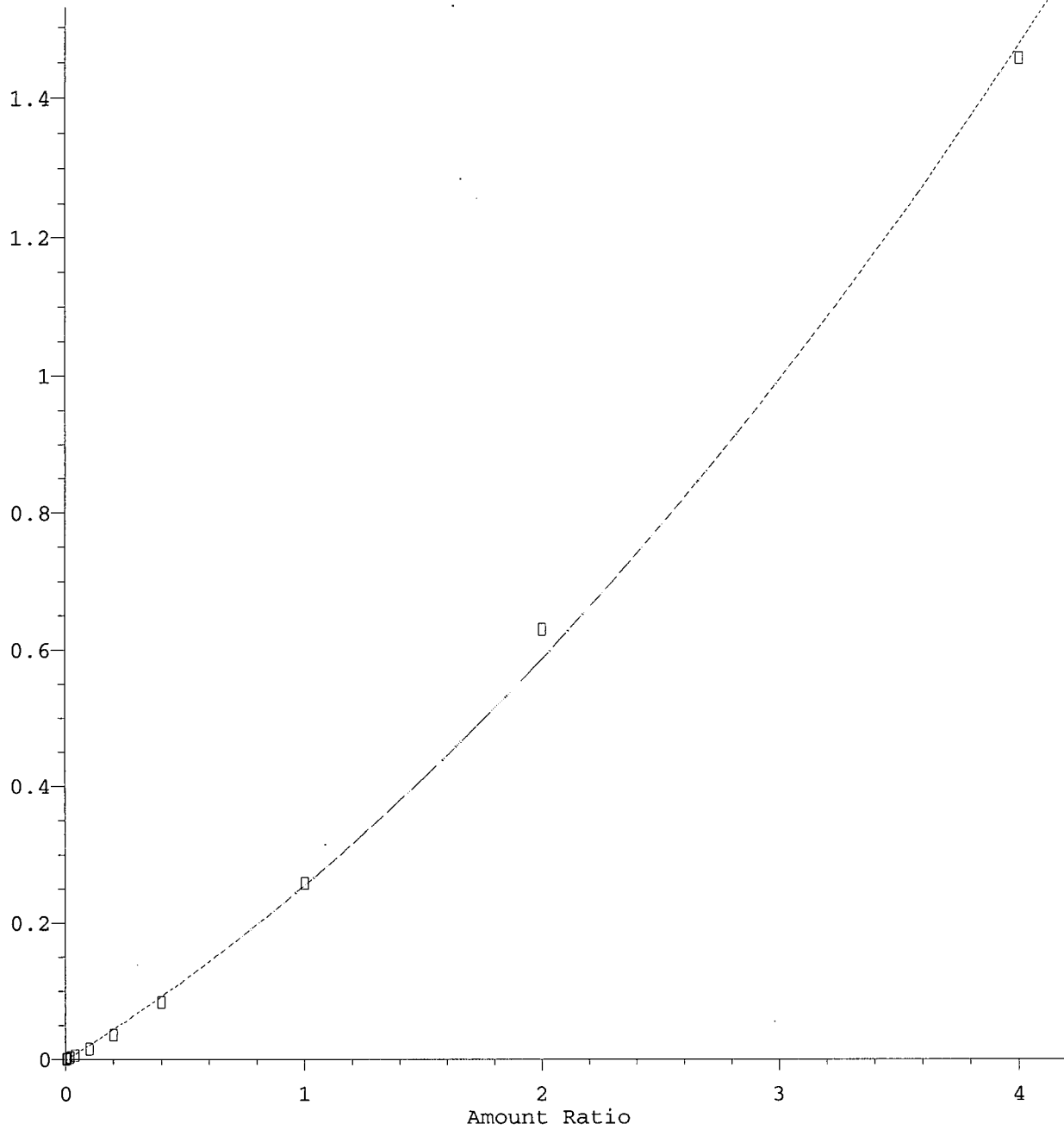
TIC: VF20041509.D\data.ms

(51) Dibromochloromethane
 8.985min (-0.021) 0.31 ug/L m
 response 87

Ion	Exp%	Act%
128.90	100	100
126.90	81.20	76.79
207.90	7.40	0.00
0.00	0.00	0.00

1,1,1,2-Tetrachloroethane

Response Ratio



$R = 3.75e-002 A^2 + 2.19e-001 A - 1.11e-003$
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)

Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

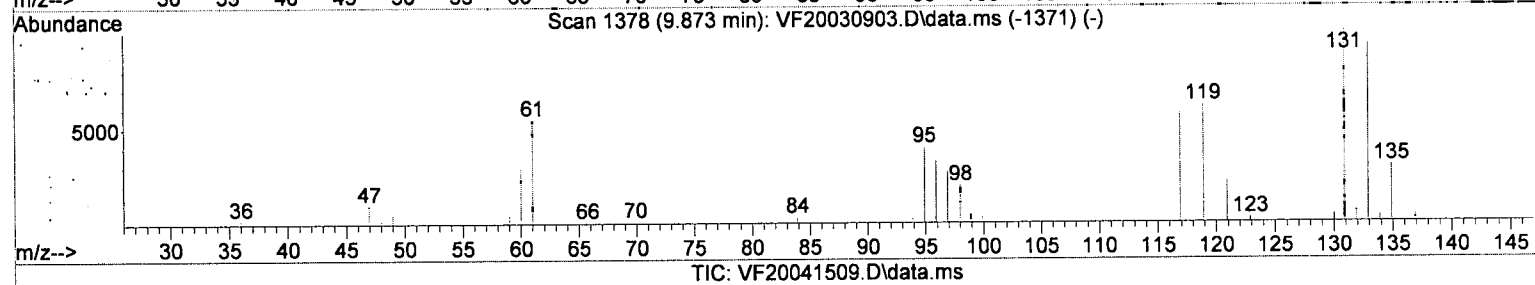
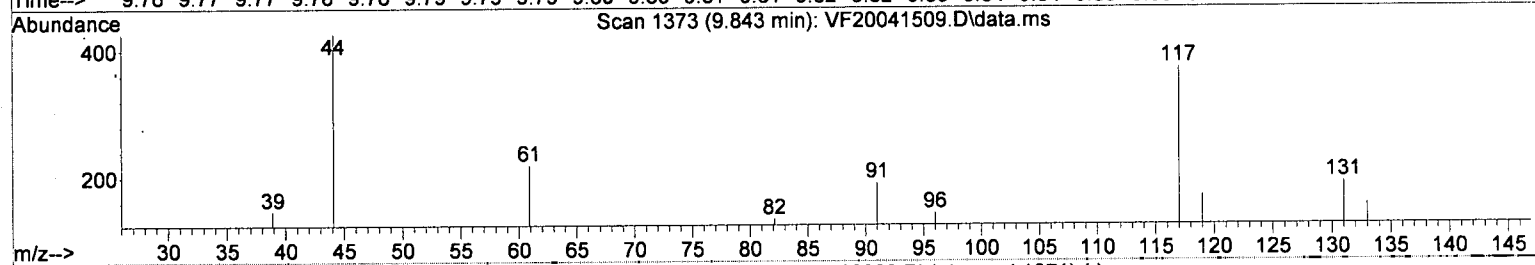
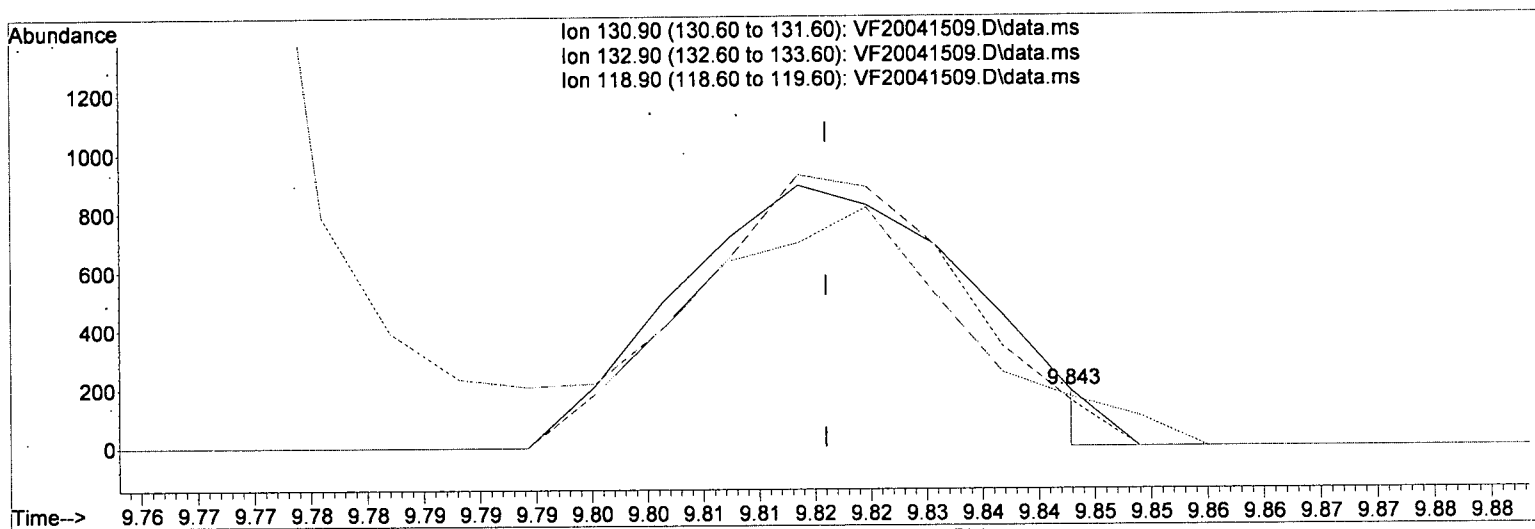
Int = 0.25

*7 MDL MRL to
05/1/2006*

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



(57) 1,1,1,2-Tetrachloroethane

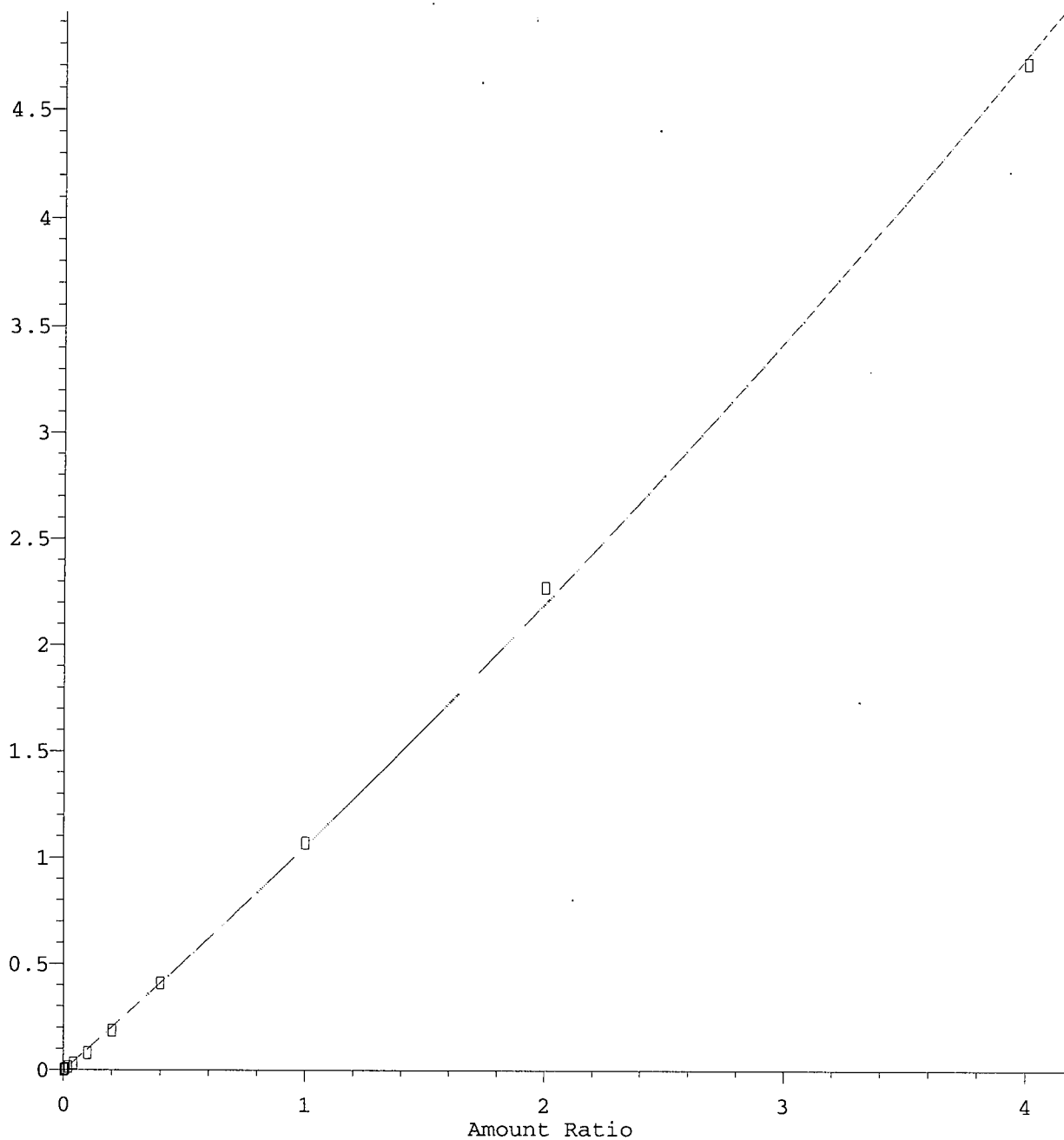
9.843min (+0.022) 0.25 ug/L m

response 0

Ion	Exp%	Act%
130.90	100	0.00
132.90	95.60	0.00#
118.90	62.00	0.00#
0.00	0.00	0.00

Styrene

Response Ratio



$R = 4.33e-002 A^2 + 1.01e+000 A - 1.48e-003$
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

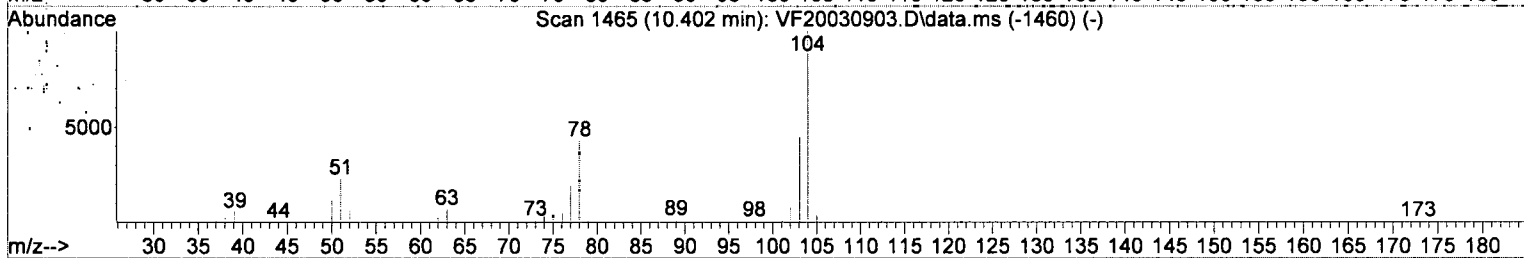
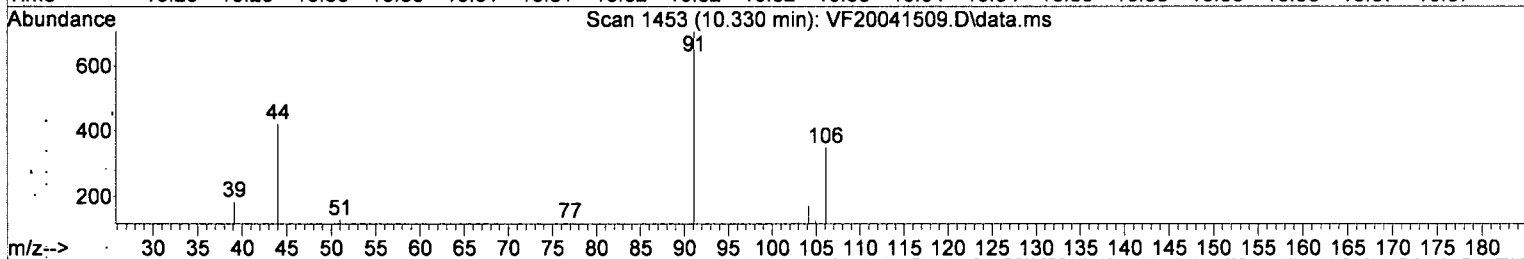
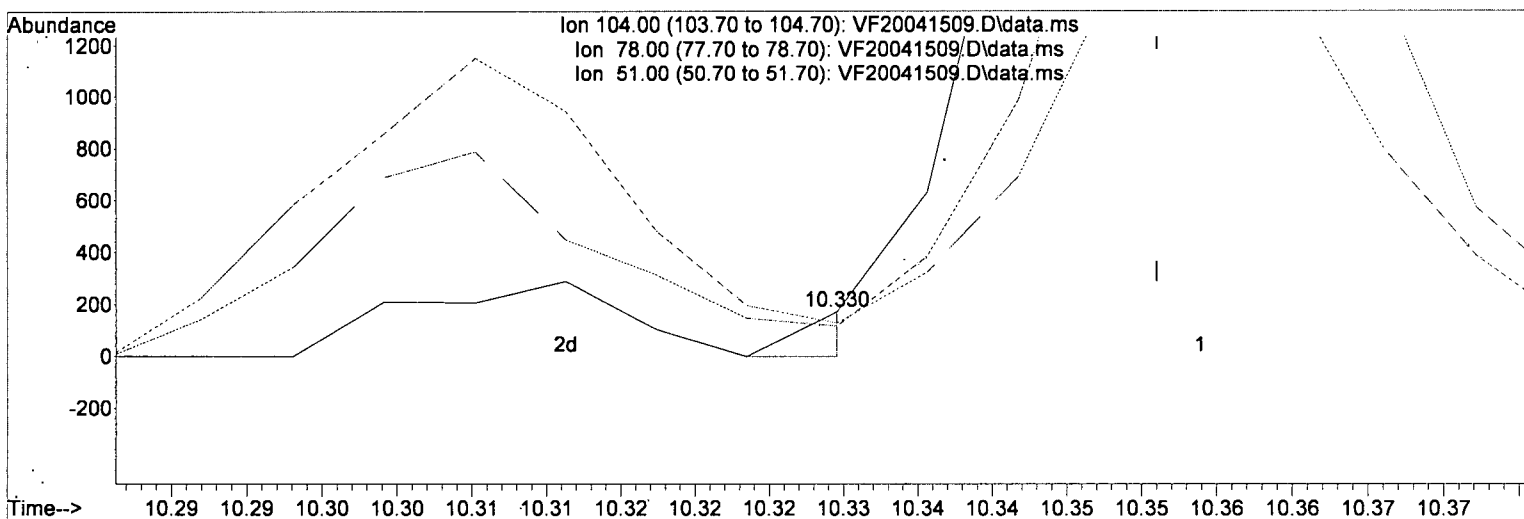
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.08

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:02 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



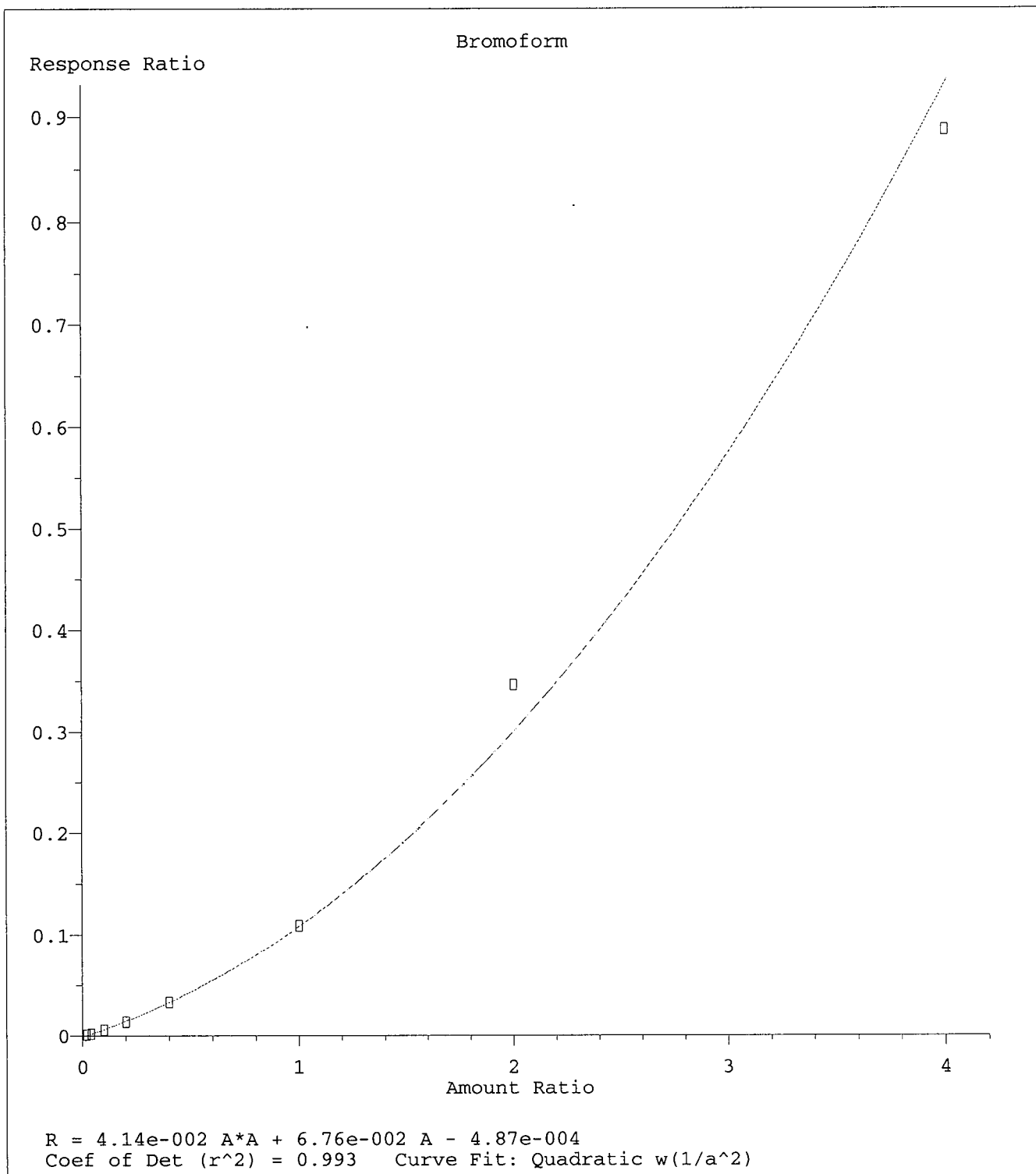
TIC: VF20041509.D\data.ms

(60) Styrene

10.330min (-0.021) 0.08 ug/L m

response 63

Ion	Exp%	Act%
104.00	100	100
78.00	40.60	68.21
51.00	21.90	75.14#
0.00	0.00	0.00



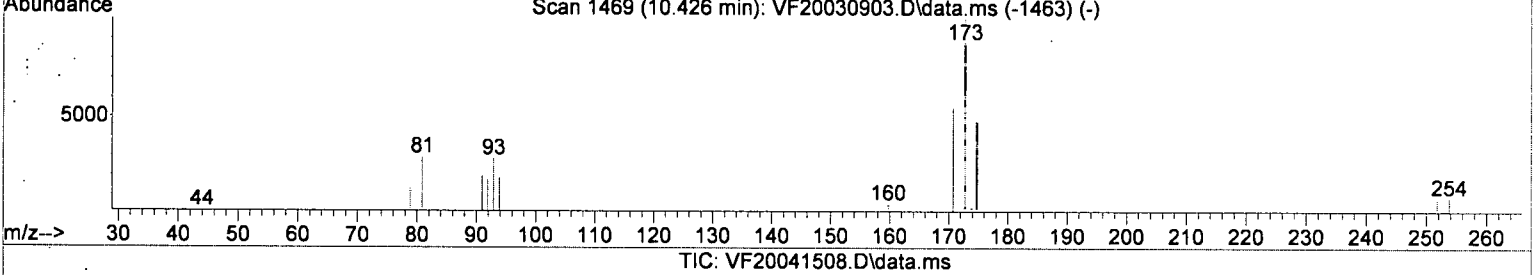
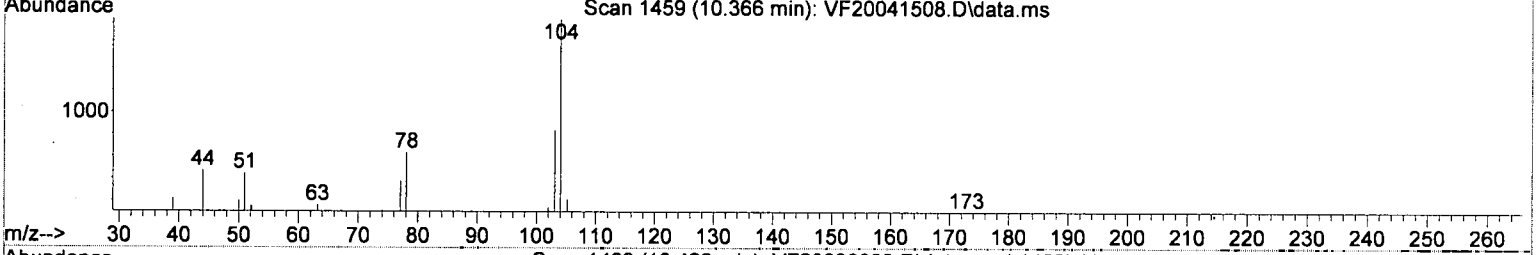
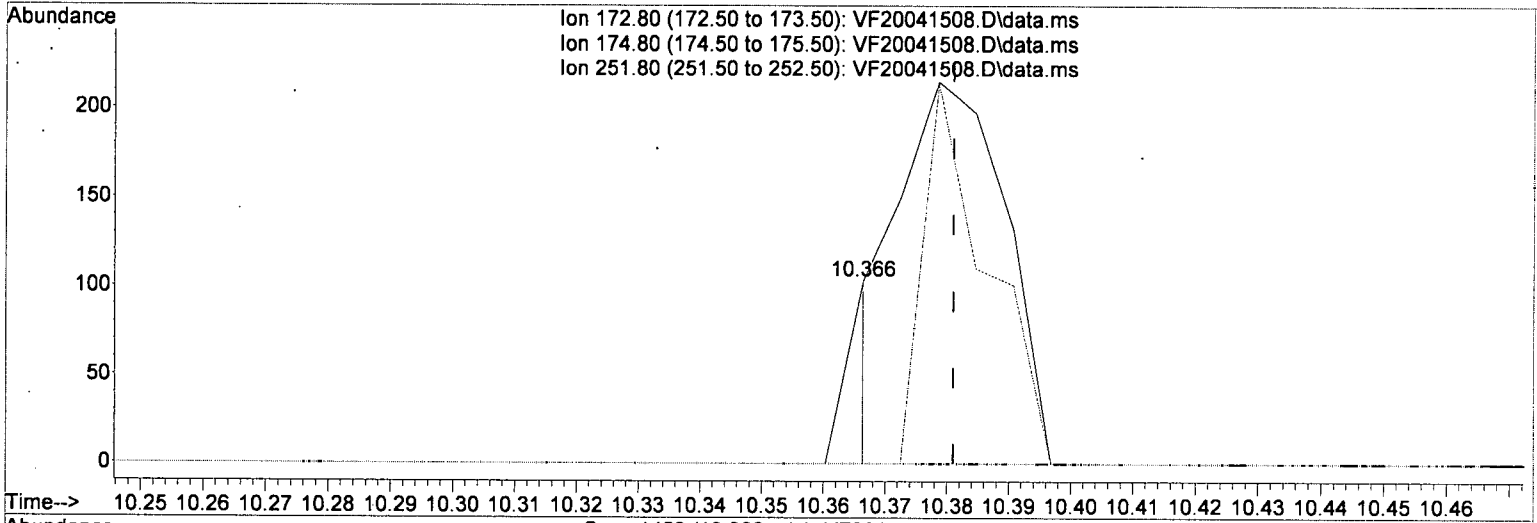
Method Name: C:\msdchem\1\METHODS\VF200415S.M
 Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 0.45

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X 1ppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:00 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



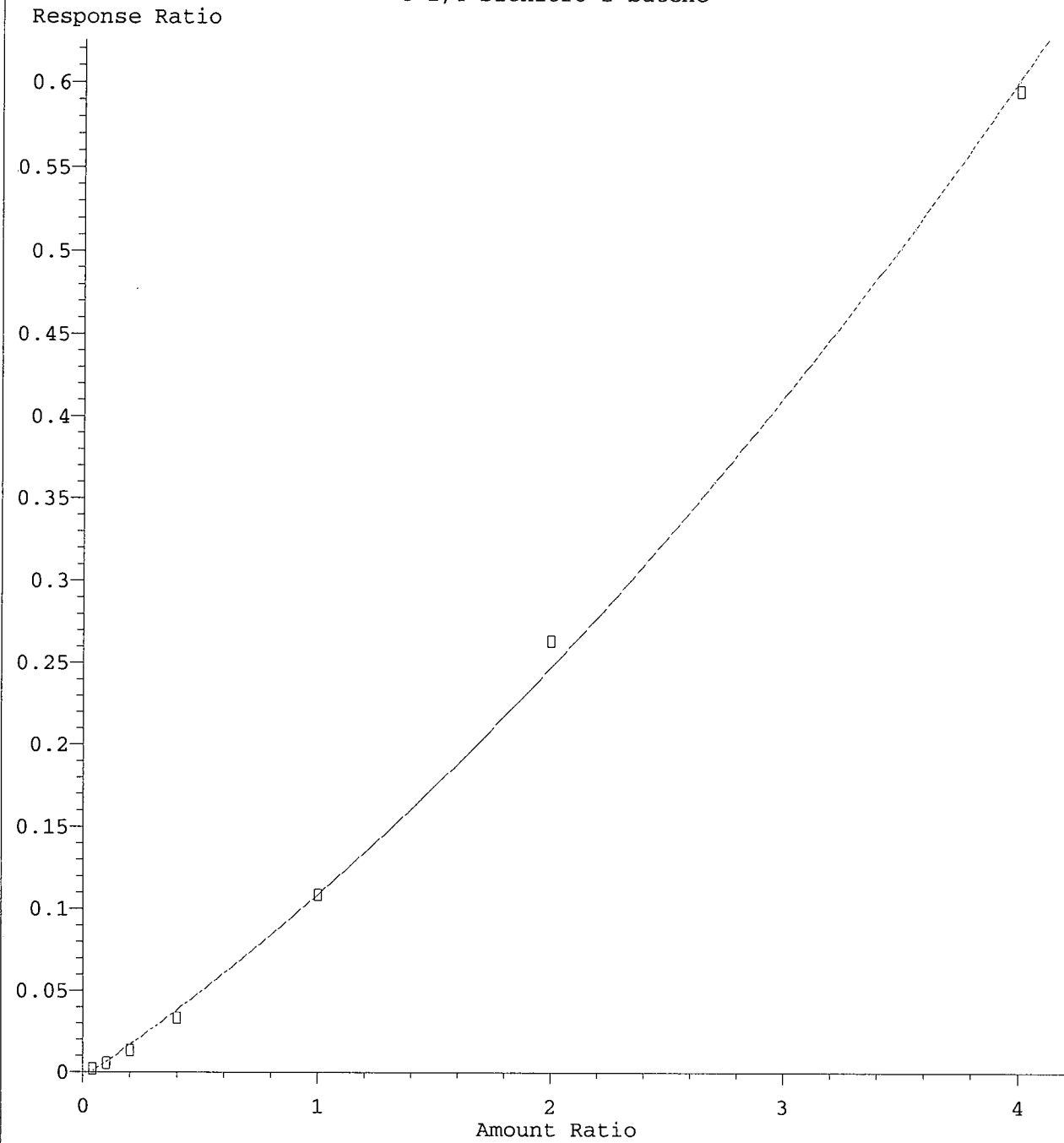
(61) Bromoform (P)

10.366min (-0.015) 0.45 ug/L m

response 38

Ion	Exp%	Act%
172.80	100	100
174.80	49.10	0.00#
251.80	12.50	0.00
0.00	0.00	0.00

t-1,4-Dichloro-2-butene



$R = 1.30e-002 A^2 + 9.95e-002 A - 3.52e-003$
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)

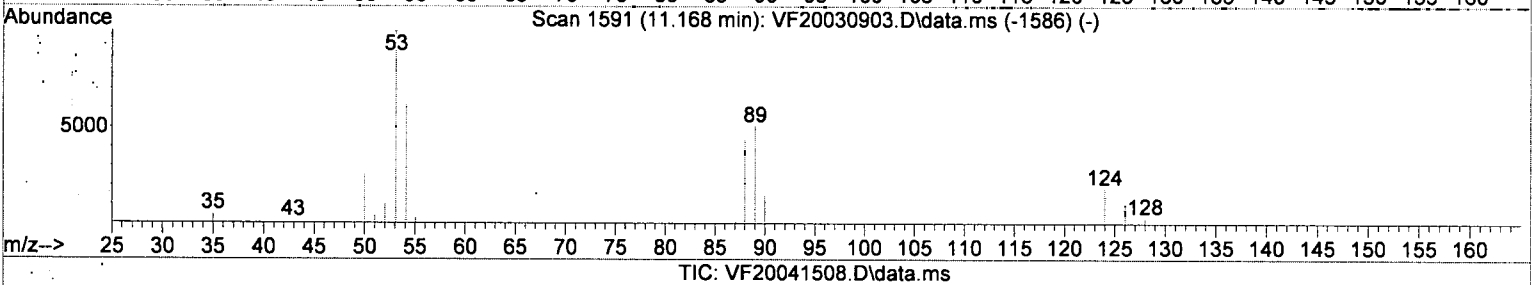
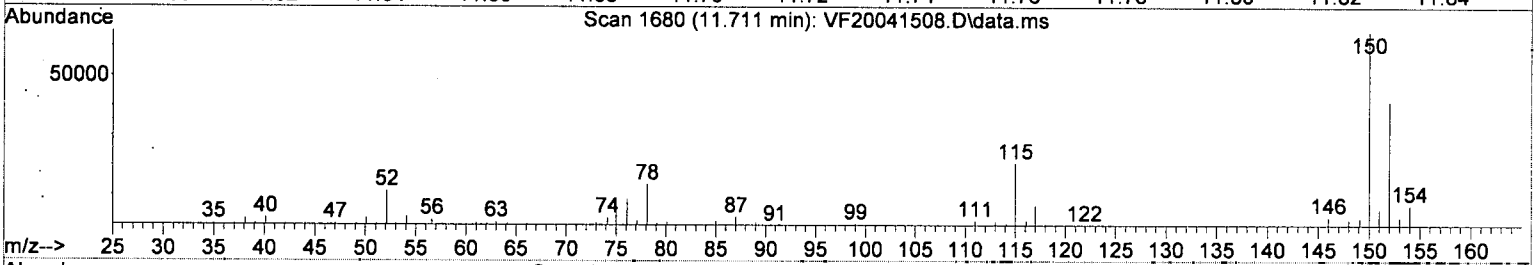
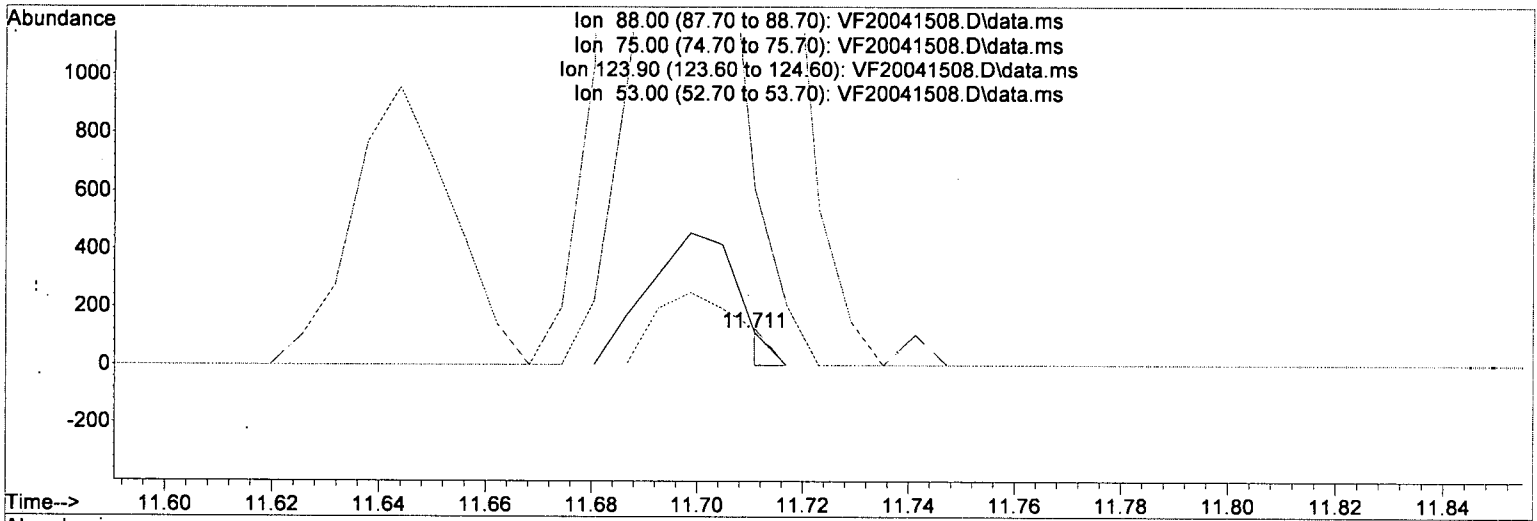
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 1.76

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X 1ppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:00 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



(71) t-1,4-Dichloro-2-butene

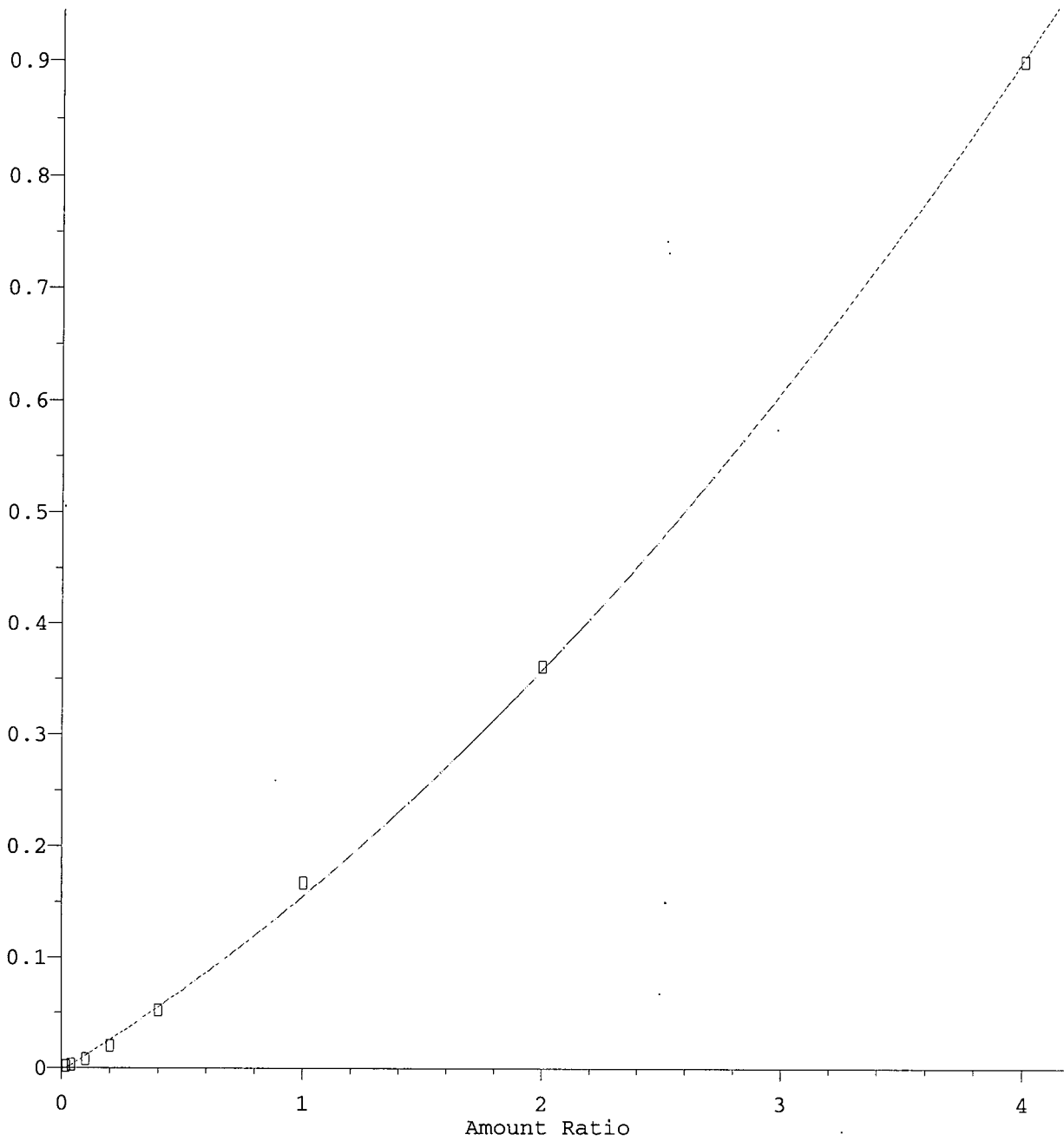
11.711min (+0.588) 1.76 ug/L m

response 0

Ion	Exp%	Act%
88.00	100	0.00
75.00	240.20	0.00#
123.90	48.30	0.00#
53.00	249.20	0.00#

1,2-Dibromo-3-Chloropropane

Response Ratio



$R = 2.29e-002 A^2 + 1.35e-001 A - 2.29e-003$
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)

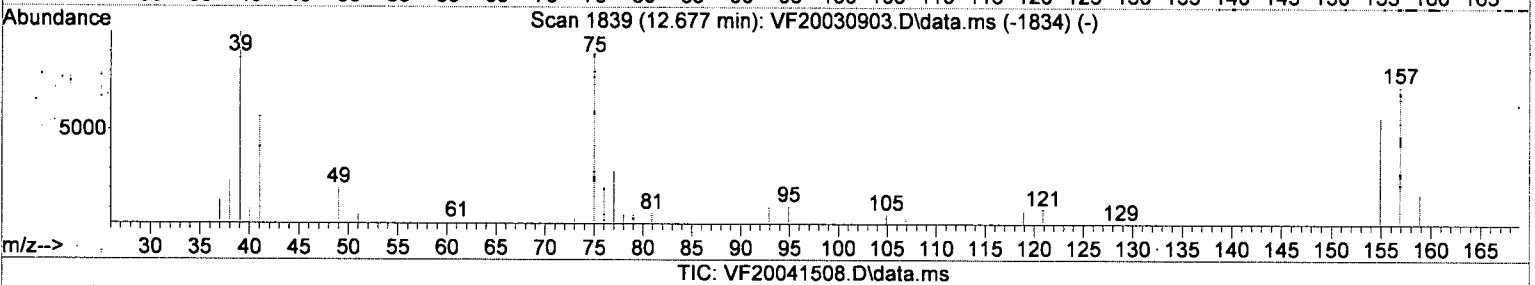
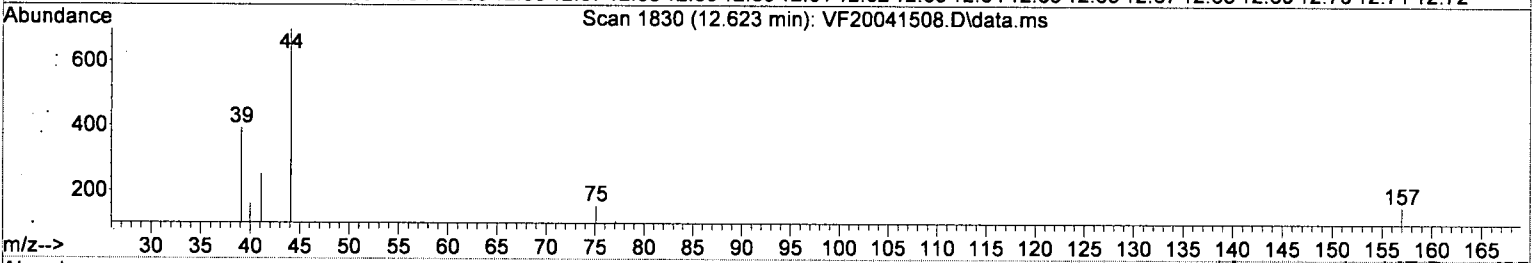
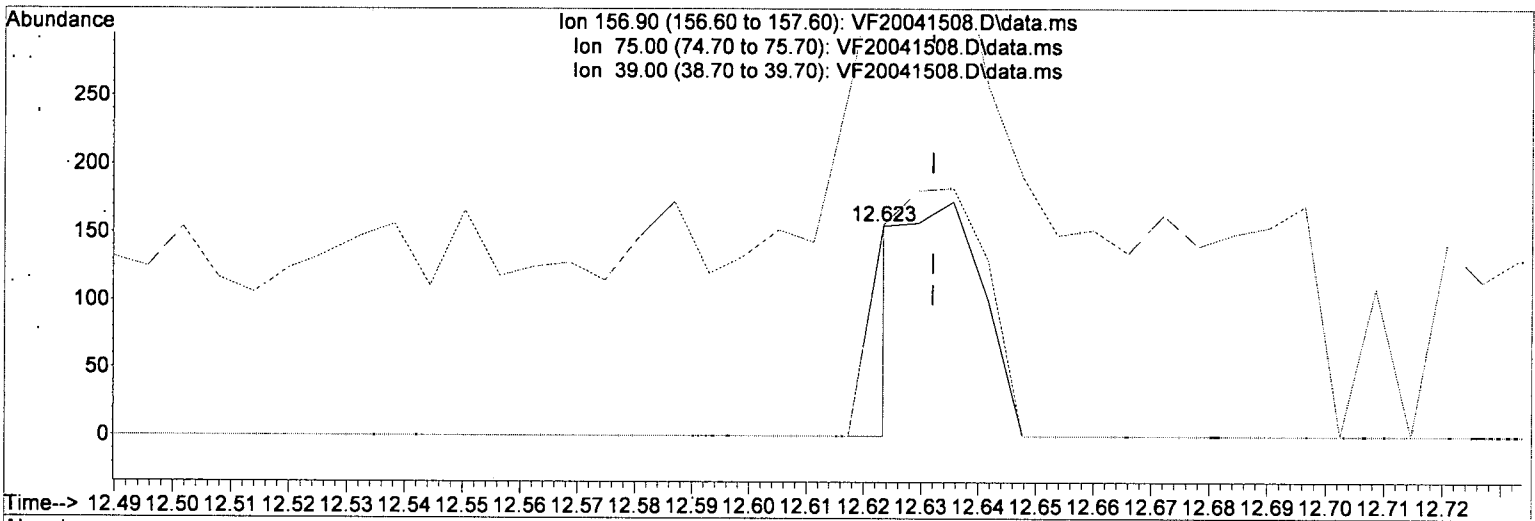
Method Name: C:\msdchem\1\METHODS\VF200415S.M
Calibration Table Last Updated: Thu Apr 16 13:10:17 2020

Int = 1.01

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\REQUANT\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X lppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 14:37:00 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



(81) 1,2-Dibromo-3-Chloropropane

12.623min (-0.009) 1.01 ug/L m

response 57

Ion	Exp%	Act%
156.90	100	100
75.00	79.00	100.65
39.00	63.10	252.90#
0.00	0.00	0.00

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

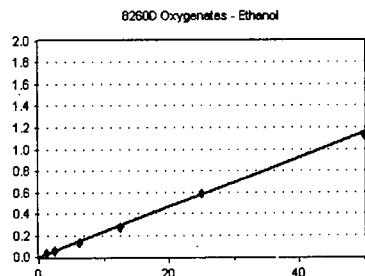
Calibration Date: **04/17/2020**

Analysis: **8260D Oxygenates**

Instrument Cal ID: **VF200415S VF200415G**

Ethanol

Curve Fit: **AVERAGE RF**

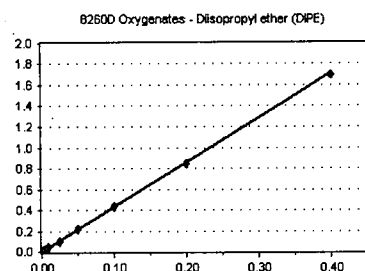


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	6.25	996	6.474	3.19
0D15055-CAL2	12.5	1676	6.279	3.18
0D15055-CAL3	25	1959	3.289	3.18
0D15055-CAL4	62.5	3878	2.696	3.19
0D15055-CAL5	125	6447	2.316	3.18
0D15055-CAL6	312	15544	2.091	3.19
0D15055-CAL7	625	30742	0.022	3.19
0D15055-CAL8	1250	66283	2.354	3.19
0D15055-CAL9	2500	131135	2.251	3.19
0D15055-CALA	5000	206092	1.554	3.27

AVE RF 2.311 RF RSD 9.18 AVE RT 3.19

Diisopropyl ether (DIPE)

Curve Fit: **AVERAGE RF**

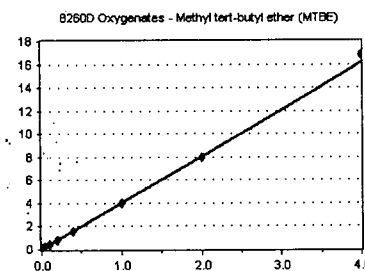


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.025	297	4.827	0.00
0D15055-CAL2	0.05	541	4.530	0.00
0D15055-CAL3	0.1	1095	4.595	4.40
0D15055-CAL4	0.25	2375	4.128	4.42
0D15055-CAL5	0.5	4870	4.373	4.40
0D15055-CAL6	1.25	11794	3.961	4.41
0D15055-CAL7	2.5	24407	4.285	4.41
0D15055-CAL8	5	48973	4.347	4.41
0D15055-CAL9	10	98505	4.226	4.41
0D15055-CALA	20	224976	4.234	4.41

AVE RF 4.298 RF RSD 4.53 AVE RT 3.92

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

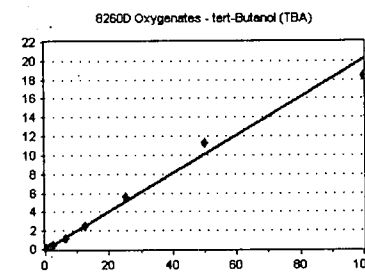


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	1186	4.818	4.00
0D15055-CAL2	0.2	2028	4.246	4.03
0D15055-CAL3	0.4	3830	4.018	4.01
0D15055-CAL4	1	8674	3.769	4.03
0D15055-CAL5	2	17137	3.847	4.02
0D15055-CAL6	5	43368	3.641	4.03
0D15055-CAL7	10	88304	3.875	4.02
0D15055-CAL8	20	178851	3.969	4.02
0D15055-CAL9	50	463120	3.974	4.02
0D15055-CALA	100	1054735	3.970	4.01
0D15055-CALB	200	2242727	4.207	4.02

AVE RF 4.030 RF RSD 7.79 AVE RT 4.02

tert-Butanol (TBA)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
0D15055-CAL1	6.25	2904	0.189	4.17
0D15055-CAL2	12.5	6463	0.216	4.18
0D15055-CAL3	25	11723	0.197	4.17
0D15055-CAL4	62.5	26699	0.186	4.19
0D15055-CAL5	125	53674	0.193	4.18
0D15055-CAL6	312	138823	0.187	4.19
0D15055-CAL7	625	289619	0.203	4.18
0D15055-CAL8	1250	632559	0.225	4.19
0D15055-CAL9	2500	1310897	0.225	4.19
0D15055-CALA	5000	2453761	0.185	4.20

AVE RF 0.202 RF RSD 8.15 AVE RT 4.18

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

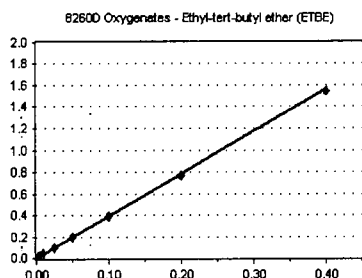
Calibration Date: **04/17/2020**

Analysis: **8260D Oxygenates**

Instrument Cal ID: **VF200415S VF200415G**

Ethyl-tert-butyl ether (ETBE)

Curve Fit: **AVERAGE RF**

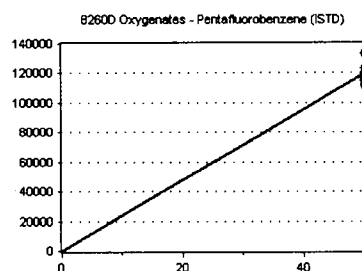


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.025	0	0.900	0.00
0D15055-CAL2	0.05	543	4.296	0.00
0D15055-CAL3	0.1	953	3.999	4.78
0D15055-CAL4	0.25	2295	3.989	4.78
0D15055-CAL5	0.5	4542	4.078	4.77
0D15055-CAL6	1.25	11203	3.762	4.78
0D15055-CAL7	2.5	22373	3.927	4.78
0D15055-CAL8	5	44150	3.919	4.77
0D15055-CAL9	10	89034	3.820	4.77
0D15055-CALA	20	205335	3.864	4.77

AVE RF 3.920 RF RSD 2.63 AVE RT 4.77

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**

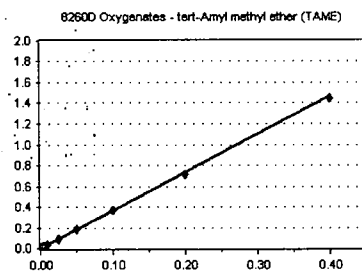


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	50	123070	2461.400	6.02
0D15055-CAL2	50	119420	2388.400	6.02
0D15055-CAL3	50	119141	2382.820	6.02
0D15055-CAL4	50	115073	2301.460	6.02
0D15055-CAL5	50	111368	2227.360	6.02
0D15055-CAL6	50	119114	2382.280	6.03
0D15055-CAL7	50	113931	2278.620	6.02
0D15055-CAL8	50	112647	2252.940	6.02
0D15055-CAL9	50	116538	2330.760	6.02
0D15055-CALA	50	132854	2657.080	6.02
0D15055-CALB	50	133276	2665.520	6.02

AVE RF 2393.513 RF RSD 6.22 AVE RT 6.02

tert-Amyl methyl ether (TAME)

Curve Fit: **AVERAGE RF**

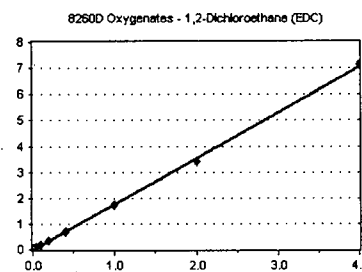


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.025	0	0.000	0.00
0D15055-CAL2	0.05	0	0.000	0.00
0D15055-CAL3	0.1	940	3.945	6.06
0D15055-CAL4	0.25	2251	3.912	6.07
0D15055-CAL5	0.5	4104	3.685	6.05
0D15055-CAL6	1.25	10127	3.401	6.06
0D15055-CAL7	2.5	20464	3.592	6.06
0D15055-CAL8	5	41605	3.693	6.06
0D15055-CAL9	10	83520	3.583	6.06
0D15055-CALA	20	192714	3.626	6.06

AVE RF 3.680 RF RSD 4.84 AVE RT 6.06

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	486	1.974	6.14
0D15055-CAL2	0.2	880	1.842	6.15
0D15055-CAL3	0.4	1718	1.802	6.15
0D15055-CAL4	1	3878	1.685	6.15
0D15055-CAL5	2	7668	1.721	6.14
0D15055-CAL6	5	19617	1.647	6.15
0D15055-CAL7	10	39825	1.748	6.15
0D15055-CAL8	20	79719	1.769	6.15
0D15055-CAL9	50	201358	1.728	6.15
0D15055-CALA	100	455212	1.713	6.15
0D15055-CALB	200	953731	1.789	6.15

AVE RF 1.765 RF RSD 5.02 AVE RT 6.15

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

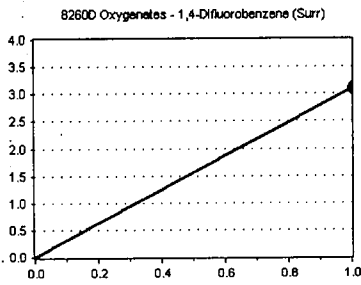
Calibration Date: **04/17/2020**

Analysis: **8260D Oxygenates**

Instrument Cal ID: **VF200415S VF200415G**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

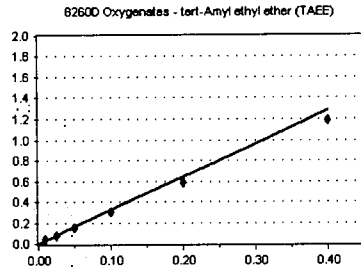


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	50	382077	3.105	6.58
OD15055-CAL2	50	370477	3.102	6.59
OD15055-CAL3	50	365202	3.065	6.58
OD15055-CAL4	50	356414	3.097	6.58
OD15055-CAL5	50	344579	3.094	6.58
OD15055-CAL6	50	369250	3.100	6.59
OD15055-CAL7	50	351334	3.084	6.59
OD15055-CAL8	50	348285	3.092	6.59
OD15055-CAL9	50	360421	3.093	6.59
OD15055-CALA	50	414674	3.121	6.58
OD15055-CALB	50	418222	3.138	6.58

AVE RF 3.099 RF RSD 0.61 AVE RT 6.58

tert-Amyl ethyl ether (TAEE)

Curve Fit: **AVERAGE RF**

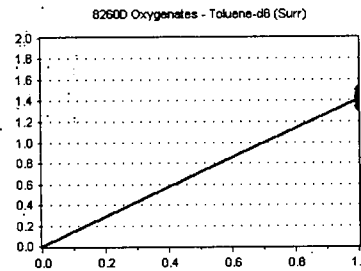


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.025	4823	20.625	6.80
OD15055-CAL2	0.05	4884	15.776	6.80
OD15055-CAL3	0.1	2424	8.904	6.80
OD15055-CAL4	0.25	3407	5.400	6.80
OD15055-CAL5	0.5	4604	4.134	6.81
OD15055-CAL6	1.25	9447	3.172	6.81
OD15055-CAL7	2.5	17620	3.093	6.80
OD15055-CAL8	5	33839	3.004	6.80
OD15055-CAL9	10	67678	2.904	6.81
OD15055-CALA	20	158634	2.985	6.80

AVE RF 3.215 RF RSD 14.29 AVE RT 6.80

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

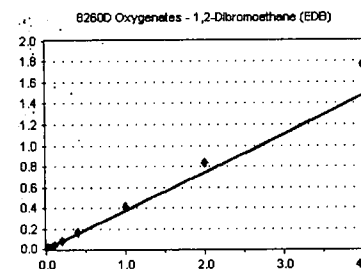


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	50	461223	1.382	8.09
OD15055-CAL2	50	451361	1.405	8.09
OD15055-CAL3	50	444371	1.399	8.09
OD15055-CAL4	50	426535	1.424	8.09
OD15055-CAL5	50	415286	1.469	8.09
OD15055-CAL6	50	445402	1.441	8.09
OD15055-CAL7	50	422174	1.446	8.09
OD15055-CAL8	50	410350	1.504	8.09
OD15055-CAL9	50	430275	1.446	8.09
OD15055-CALA	50	494015	1.351	8.09
OD15055-CALB	50	491658	1.342	8.09

AVE RF 1.419 RF RSD 3.47 AVE RT 8.09

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	146	0.249	9.00
OD15055-CAL2	0.2	333	0.269	9.25
OD15055-CAL3	0.4	770	0.303	9.25
OD15055-CAL4	1	1853	0.309	9.25
OD15055-CAL5	2	3813	0.337	9.24
OD15055-CAL6	5	9975	0.323	9.24
OD15055-CAL7	10	21939	0.376	9.24
OD15055-CAL8	20	44442	0.407	9.24
OD15055-CAL9	50	123680	0.416	9.25
OD15055-CALA	100	302521	0.414	9.24
OD15055-CALB	200	649630	0.443	9.24

AVE RF 0.370 RF RSD 14.27 AVE RT 9.24

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

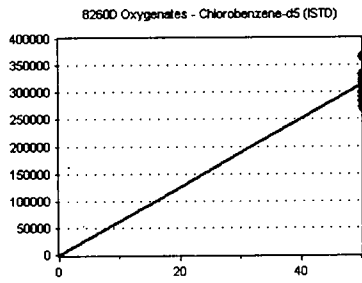
Calibration Date: **04/17/2020**

Analysis: **8260D Oxygenates**

Instrument Cal ID: **VF200415S VF200415G**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

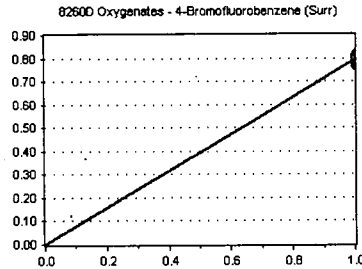


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	50	333847	6676.940	9.74
OD15055-CAL2	50	321159	6423.180	9.74
OD15055-CAL3	50	317563	6351.260	9.75
OD15055-CAL4	50	299611	5992.220	9.74
OD15055-CAL5	50	282693	5653.860	9.74
OD15055-CAL6	50	309093	6181.860	9.74
OD15055-CAL7	50	291984	5839.680	9.74
OD15055-CAL8	50	272793	5455.860	9.74
OD15055-CAL9	50	297469	5949.380	9.75
OD15055-CALA	50	365587	7311.740	9.74
OD15055-CALB	50	366335	7326.700	9.75

AVE RF 6287.516 RF RSD 9.82 AVE RT 9.74

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

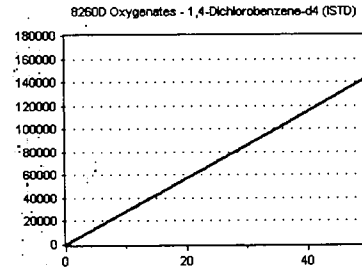


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	50	123834	0.811	10.82
OD15055-CAL2	50	120185	0.806	10.81
OD15055-CAL3	50	116791	0.805	10.82
OD15055-CAL4	50	106162	0.817	10.82
OD15055-CAL5	50	98914	0.798	10.82
OD15055-CAL6	50	108882	0.802	10.81
OD15055-CAL7	50	103043	0.791	10.82
OD15055-CAL8	50	97325	0.762	10.82
OD15055-CAL9	50	106668	0.779	10.82
OD15055-CALA	50	136740	0.768	10.82
OD15055-CALB	50	129349	0.764	10.82

AVE RF 0.791 RF RSD 2.51 AVE RT 10.82

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	50	152732	3054.640	11.70
OD15055-CAL2	50	149042	2980.840	11.70
OD15055-CAL3	50	145120	2902.400	11.70
OD15055-CAL4	50	129956	2599.120	11.70
OD15055-CAL5	50	123923	2478.460	11.70
OD15055-CAL6	50	135723	2714.460	11.70
OD15055-CAL7	50	130304	2606.080	11.70
OD15055-CAL8	50	127733	2554.660	11.70
OD15055-CAL9	50	136954	2739.080	11.70
OD15055-CALA	50	178162	3563.240	11.70
OD15055-CALB	50	169322	3386.440	11.70

AVE RF 2870.856 RF RSD 12.23 AVE RT 11.70

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

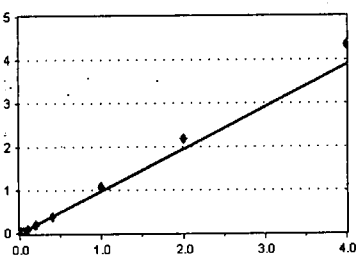
Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Dichlorodifluoromethane

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Dichlorodifluoromethane

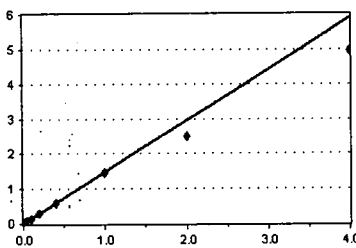


Standard	Concentration	Response	Factor	RT	
0D16055-CAL1	0.1	222	0.902	1.59	
0D16055-CAL2	0.2	342	0.716	1.60	
0D16055-CAL3	0.4	737	0.773	1.59	
0D15055-CAL4	1	2096	0.911	1.61	
0D15055-CAL5	2	4146	0.931	1.59	
0D15055-CAL6	5	9508	0.798	1.61	
0D15055-CAL7	10	21580	0.947	1.60	
0D15055-CAL8	20	42445	0.942	1.60	
0D15055-CAL9	50	126088	1.082	1.61	
0D15055-CALA	100	292590	1.101	1.60	
0D15055-CALB	200	580800	1.089	1.61	
AVE RF	0.975	RF RSD	10.94	AVE RT	1.60

Chloromethane

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Chloromethane

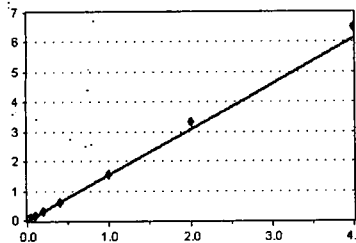


Standard	Concentration	Response	Factor	RT	
0D15055-CAL1	0.1	448	1.820	1.81	
0D15055-CAL2	0.2	861	1.802	1.82	
0D15055-CAL3	0.4	1582	1.660	1.81	
0D15055-CAL4	1	3363	1.461	1.81	
0D15055-CAL5	2	6385	1.433	1.80	
0D15055-CAL6	5	15006	1.260	1.82	
0D15055-CAL7	10	31816	1.396	1.81	
0D15055-CAL8	20	64078	1.422	1.81	
0D15055-CAL9	50	168997	1.450	1.82	
0D15055-CALA	100	333918	1.257	1.81	
0D15055-CALB	200	663330	1.244	1.82	
AVE RF	1.473	RF RSD	13.90	AVE RT	1.81

Vinyl chloride

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Vinyl chloride

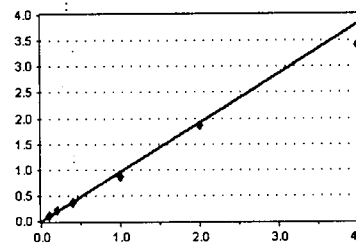


Standard	Concentration	Response	Factor	RT	
0D15055-CAL1	0.1	397	1.613	1.89	
0D15055-CAL2	0.2	693	1.451	1.90	
0D15055-CAL3	0.4	1521	1.596	1.90	
0D15055-CAL4	1	3504	1.523	1.91	
0D15055-CAL5	2	6817	1.530	1.90	
0D15055-CAL6	5	15884	1.334	1.91	
0D15055-CAL7	10	34274	1.504	1.90	
0D15055-CAL8	20	67898	1.507	1.91	
0D15055-CAL9	50	179986	1.544	1.91	
0D15055-CALA	100	440241	1.657	1.89	
0D15055-CALB	200	868843	1.630	1.90	
AVE RF	1.535	RF RSD	5.94	AVE RT	1.90

Bromomethane

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Bromomethane



Standard	Concentration	Response	Factor	RT	
0D16055-CAL1	0.1	4123	4.562	2.25	
0D16055-CAL2	0.2	4588	3.324	2.26	
0D16055-CAL3	0.4	2175	2.282	2.25	
0D16055-CAL4	1	3689	1.603	2.26	
0D16055-CAL5	2	6248	1.403	2.25	
0D15055-CAL6	5	12747	1.070	2.27	
0D15055-CAL7	10	24736	1.086	2.25	
0D15055-CAL8	20	41916	0.930	2.26	
0D15055-CAL9	50	100159	0.859	2.26	
0D15055-CALA	100	247079	0.930	2.25	
0D15055-CALB	200	454820	0.853	2.26	
AVE RF	0.955	RF RSD	10.58	AVE RT	2.26

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

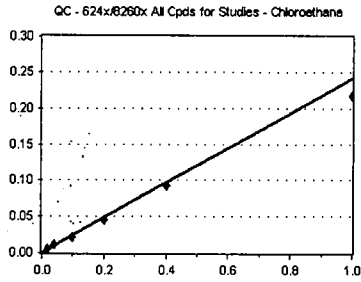
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Chloroethane

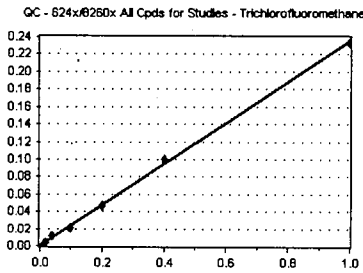
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	0	0.000	0.00	
0D15055-CAL2	0.2	0	0.000	0.00	
0D15055-CAL3	0.4	0	0.000	0.00	
0D15055-CAL4	1	634	0.275	2.39	
0D15055-CAL5	2	1295	0.291	2.37	
0D15055-CAL6	5	2495	0.209	2.38	
0D15055-CAL7	10	5136	0.225	2.38	
0D15055-CAL8	20	10438	0.232	2.38	
0D15055-CAL9	50	25402	0.218	2.38	
0D15055-CALA	100	448030	0.444	2.39	
0D15055-CALB	200	134802	0.253	2.39	
AVE RF	0.242	RF RSD	13.73	AVE RT	2.38

Trichlorofluoromethane

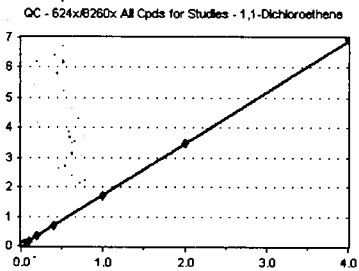
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	0	0.000	0.00	
0D15055-CAL2	0.2	0	0.000	0.00	
0D15055-CAL3	0.4	484	0.190	2.64	
0D15055-CAL4	1	453	0.197	2.51	
0D15055-CAL5	2	1315	0.295	2.50	
0D15055-CAL6	5	2461	0.207	2.51	
0D15055-CAL7	10	5333	0.234	2.50	
0D15055-CAL8	20	11257	0.250	2.51	
0D15055-CAL9	50	27213	0.234	2.51	
0D15055-CALA	100	97979	0.369	2.63	
0D15055-CALB	200	131628	0.247	2.62	
AVE RF	0.236	RF RSD	14.80	AVE RT	2.51

1,1-Dichloroethene

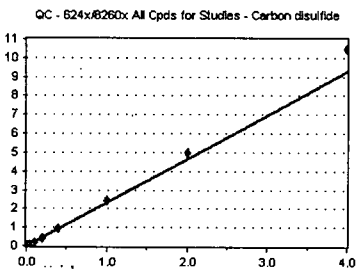
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	538	2.186	3.07	
0D15055-CAL2	0.2	737	1.543	3.08	
0D15055-CAL3	0.4	1591	1.669	3.07	
0D15055-CAL4	1	4001	1.738	3.08	
0D15055-CAL5	2	7468	1.676	3.07	
0D15055-CAL6	5	18123	1.521	3.08	
0D15055-CAL7	10	39533	1.735	3.07	
0D15055-CAL8	20	78535	1.743	3.07	
0D15055-CAL9	50	197239	1.692	3.07	
0D15055-CALA	100	460684	1.734	3.09	
0D15055-CALB	200	928250	1.741	3.08	
AVE RF	1.725	RF RSD	9.94	AVE RT	3.07

Carbon disulfide

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	722	2.933	3.08	
0D15055-CAL2	0.2	1159	2.426	3.09	
0D15055-CAL3	0.4	2032	2.132	3.08	
0D15055-CAL4	1	4450	1.934	3.09	
0D15055-CAL5	2	9464	2.124	3.08	
0D15055-CAL6	5	22934	1.925	3.09	
0D15055-CAL7	10	50588	2.220	3.08	
0D15055-CAL8	20	105987	2.352	3.08	
0D15055-CAL9	50	282168	2.421	3.09	
0D15055-CALA	100	665717	2.505	3.10	
0D15055-CALB	200	1392560	2.612	3.10	
AVE RF	2.326	RF RSD	12.95	AVE RT	3.09

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

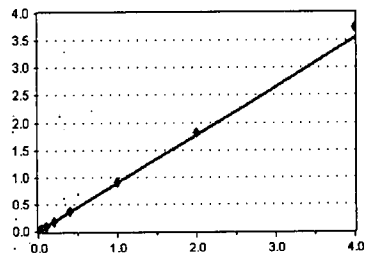
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

1,1,2-Trichloro-1,2,2-trifluoroethane Curve Fit: **AVERAGE RF**

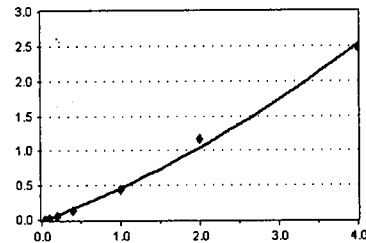
QC - 624x/8260x All Cpds for Studies - 1,1,2-Trichloro-1,2,2-trifluoroethane



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	0	0.000	0.00	
0D15055-CAL2	0.2	339	0.710	3.12	
0D15055-CAL3	0.4	926	0.972	3.11	
0D15055-CAL4	1	2024	0.879	3.12	
0D15055-CAL5	2	4162	0.934	3.12	
0D15055-CAL6	5	9197	0.772	3.12	
0D15055-CAL7	10	20747	0.911	3.12	
0D15055-CAL8	20	42332	0.939	3.12	
0D15055-CAL9	50	104999	0.901	3.13	
0D15055-CALA	100	240943	0.907	3.13	
0D15055-CALB	200	497437	0.933	3.13	
AVE RF	0.886	RF RSD	9.22	AVE RT	3.12

Iodomethane Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

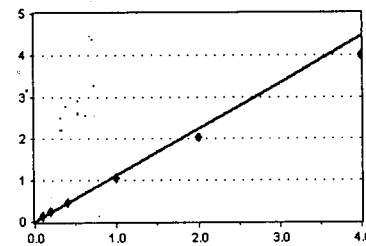
QC - 624x/8260x All Cpds for Studies - Iodomethane



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	0	0.000	0.00	
0D15055-CAL2	0.2	0	0.000	0.00	
0D15055-CAL3	0.4	0	0.000	0.00	
0D15055-CAL4	1	0	0.000	0.00	
0D15055-CAL5	2	446	0.100	3.22	
0D15055-CAL6	5	1736	0.146	3.23	
0D15055-CAL7	10	4841	0.212	3.23	
0D15055-CAL8	20	14316	0.318	3.23	
0D15055-CAL9	50	51290	0.440	3.23	
0D15055-CALA	100	154318	0.581	3.24	
0D15055-CALB	200	329974	0.619	3.23	
AVE RF	0.345	RF RSD	60.05	AVE RT	3.23

Methylene chloride Curve Fit: **AVERAGE RF**

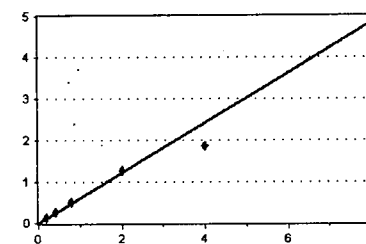
QC - 624x/8260x All Cpds for Studies - Methylene chloride



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	4188	17.016	3.70	
0D15055-CAL2	0.2	4367	9.142	3.72	
0D15055-CAL3	0.4	4810	6.047	3.71	
0D15055-CAL4	1	6442	2.669	3.72	
0D15055-CAL5	2	8426	1.891	3.71	
0D15055-CAL6	5	14969	1.257	3.72	
0D15055-CAL7	10	27748	1.218	3.71	
0D15055-CAL8	20	51467	1.142	3.71	
0D15055-CAL9	50	122320	1.050	3.72	
0D15055-CALA	100	270941	1.020	3.72	
0D15055-CALB	200	532016	0.998	3.72	
AVE RF	1.114	RF RSD	9.70	AVE RT	3.72

Acetone Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Acetone



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.2	1331	2.704	3.80	
0D15055-CAL2	0.4	2026	2.120	3.80	
0D15055-CAL3	0.8	2540	1.332	3.80	
0D15055-CAL4	2	4369	0.949	3.80	
0D15055-CAL5	4	6966	0.782	3.79	
0D15055-CAL6	10	15536	0.652	3.81	
0D15055-CAL7	20	29958	0.657	3.80	
0D15055-CAL8	40	57949	0.643	3.80	
0D15055-CAL9	100	146914	0.630	3.80	
0D15055-CALA	200	249122	0.469	3.80	
0D15055-CALB	400	608139	0.570	3.80	
AVE RF	0.604	RF RSD	12.13	AVE RT	3.80

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

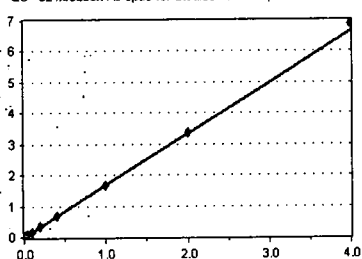
Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

trans-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - trans-1,2-Dichloroethene



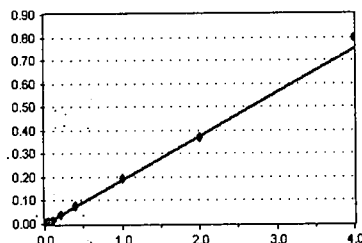
Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	469	1.905	3.87
OD15055-CAL2	0.2	762	1.595	3.88
OD15055-CAL3	0.4	1614	1.693	3.87
OD15055-CAL4	1	3678	1.598	3.88
OD15055-CAL5	2	7160	1.607	3.87
OD15055-CAL6	5	17963	1.508	3.88
OD15055-CAL7	10	37909	1.664	3.87
OD15055-CAL8	20	76273	1.693	3.87
OD15055-CAL9	50	193548	1.661	3.87
OD15055-CALA	100	444929	1.675	3.88
OD15055-CALB	200	918125	1.722	3.88

AVE RF 1.666 RF RSD 6.01 AVE RT 3.88

n-Hexane

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - n-Hexane



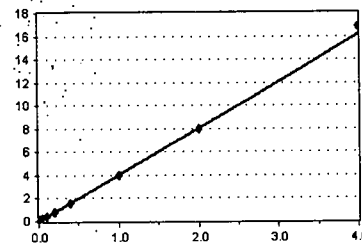
Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	0	0.000	0.00
OD15055-CAL2	0.2	0	0.000	0.00
OD15055-CAL3	0.4	165	0.173	3.95
OD15055-CAL4	1	454	0.197	3.95
OD15055-CAL5	2	873	0.196	3.94
OD15055-CAL6	5	1932	0.162	3.95
OD15055-CAL7	10	4237	0.186	3.95
OD15055-CAL8	20	8799	0.195	3.95
OD15055-CAL9	50	22519	0.193	3.95
OD15055-CALA	100	49367	0.186	3.96
OD15055-CALB	200	106645	0.200	3.96

AVE RF 0.188 RF RSD 6.71 AVE RT 3.95

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Methyl tert-butyl ether (MTE)



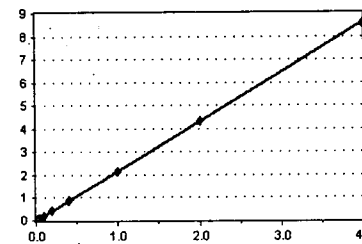
Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	1186	4.818	4.00
OD15055-CAL2	0.2	2028	4.246	4.03
OD15055-CAL3	0.4	3830	4.018	4.01
OD15055-CAL4	1	8674	3.769	4.03
OD15055-CAL5	2	17137	3.847	4.02
OD15055-CAL6	5	43368	3.641	4.03
OD15055-CAL7	10	88304	3.875	4.02
OD15055-CAL8	20	178851	3.969	4.02
OD15055-CAL9	50	463120	3.974	4.02
OD15055-CALA	100	1054735	3.970	4.01
OD15055-CALB	200	2242727	4.207	4.02

AVE RF 4.030 RF RSD 7.79 AVE RT 4.02

1,1-Dichloroethane

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 1,1-Dichloroethane



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	588	2.389	4.51
OD15055-CAL2	0.2	1016	2.127	4.51
OD15055-CAL3	0.4	2072	2.174	4.51
OD15055-CAL4	1	4671	2.030	4.51
OD15055-CAL5	2	9565	2.147	4.51
OD15055-CAL6	5	24149	2.027	4.51
OD15055-CAL7	10	49263	2.162	4.51
OD15055-CAL8	20	100230	2.224	4.51
OD15055-CAL9	50	249916	2.145	4.51
OD15055-CALA	100	577383	2.173	4.52
OD15055-CALB	200	1138616	2.136	4.51

AVE RF 2.158 RF RSD 4.48 AVE RT 4.51

Element Calibration Review Sheet

Calibration ID: **AOD1705**

Instrument: **VOA-GCMS6**

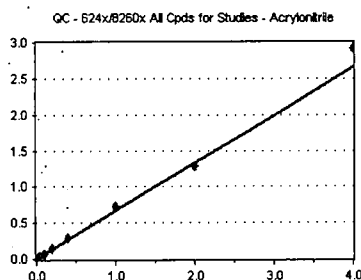
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Acrylonitrile

Curve Fit: **AVERAGE RF**

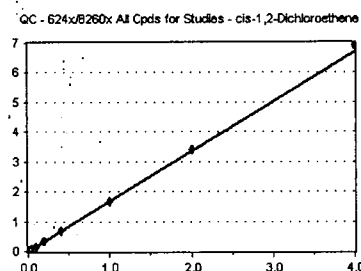


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	205	0.429	4.59
0D15055-CAL3	0.4	547	0.574	4.59
0D15055-CAL4	1	1376	0.598	4.59
0D15055-CAL5	2	2862	0.642	4.58
0D15055-CAL6	5	7686	0.645	4.59
0D15055-CAL7	10	15760	0.692	4.58
0D15055-CAL8	20	33135	0.735	4.58
0D15055-CAL9	50	85675	0.735	4.58
0D15055-CALA	100	169418	0.638	4.58
0D15055-CALB	200	388197	0.728	4.58

AVE RF 0.665 RF RSD 9.05 AVE RT 4.58

cis-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**

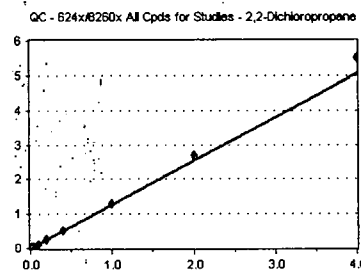


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	443	1.800	5.07
0D15055-CAL2	0.2	856	1.792	5.07
0D15055-CAL3	0.4	1467	1.539	5.07
0D15055-CAL4	1	3670	1.595	5.07
0D15055-CAL5	2	7427	1.667	5.06
0D15055-CAL6	5	18312	1.537	5.07
0D15055-CAL7	10	37991	1.667	5.06
0D15055-CAL8	20	76672	1.702	5.06
0D15055-CAL9	50	195333	1.676	5.07
0D15055-CALA	100	453158	1.705	5.06
0D15055-CALB	200	925025	1.735	5.07

AVE RF 1.674 RF RSD 5.29 AVE RT 5.07

2,2-Dichloropropane

Curve Fit: **AVERAGE RF**

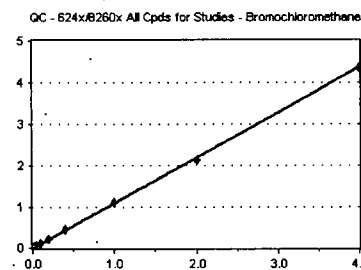


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	635	1.329	5.16
0D15055-CAL3	0.4	1211	1.271	5.16
0D15055-CAL4	1	2712	1.178	5.17
0D15055-CAL5	2	5278	1.185	5.17
0D15055-CAL6	5	13313	1.118	5.17
0D15055-CAL7	10	28166	1.236	5.16
0D15055-CAL8	20	57450	1.275	5.17
0D15055-CAL9	50	152582	1.309	5.17
0D15055-CALA	100	358882	1.351	5.17
0D15055-CALB	200	734957	1.379	5.17

AVE RF 1.263 RF RSD 6.62 AVE RT 5.17

Bromochloromethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	499	1.045	5.27
0D15055-CAL3	0.4	1042	1.093	5.26
0D15055-CAL4	1	2548	1.107	5.26
0D15055-CAL5	2	5054	1.135	5.26
0D15055-CAL6	5	12650	1.062	5.27
0D15055-CAL7	10	25432	1.116	5.27
0D15055-CAL8	20	51303	1.139	5.27
0D15055-CAL9	50	128003	1.098	5.27
0D15055-CALA	100	283605	1.067	5.26
0D15055-CALB	200	579244	1.087	5.27

AVE RF 1.095 RF RSD 2.81 AVE RT 5.27

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

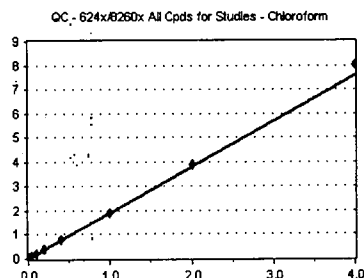
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Chloroform

Curve Fit: **AVERAGE RF**

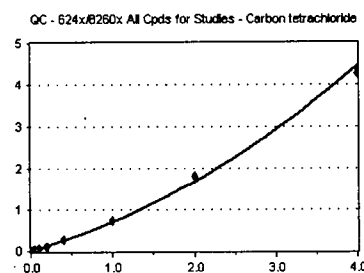


Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.1	518	2.104	5.35
0D15055-CAL2	0.2	916	1.918	5.35
0D15055-CAL3	0.4	1817	1.906	5.35
0D15055-CAL4	1	4034	1.753	5.35
0D15055-CAL5	2	8234	1.848	5.35
0D15055-CAL6	5	20463	1.718	5.35
0D15055-CAL7	10	42807	1.879	5.35
0D15055-CAL8	20	85756	1.903	5.35
0D15055-CAL9	50	222246	1.907	5.35
0D15055-CALA	100	517247	1.947	5.35
0D15055-CALB	200	1069854	2.007	5.35

AVE RF 1.899 RF RSD 5.62 AVE RT 5.35

Carbon tetrachloride

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

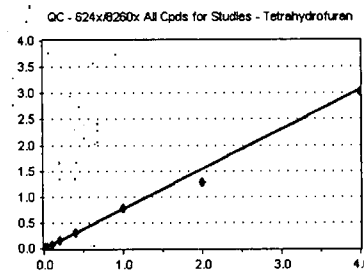


Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	0	0.000	0.00
0D15055-CAL3	0.4	352	0.369	5.48
0D15055-CAL4	1	1031	0.448	5.48
0D15055-CAL5	2	2290	0.514	5.47
0D15055-CAL6	5	5797	0.487	5.48
0D15055-CAL7	10	13806	0.606	5.47
0D15055-CAL8	20	29845	0.662	5.47
0D15055-CAL9	50	86612	0.743	5.47
0D15055-CALA	100	241823	0.910	5.48
0D15055-CALB	200	570591	1.070	5.48

AVE RF 0.646 RF RSD 35.48 AVE RT 5.47

Tetrahydrofuran

Curve Fit: **AVERAGE RF**

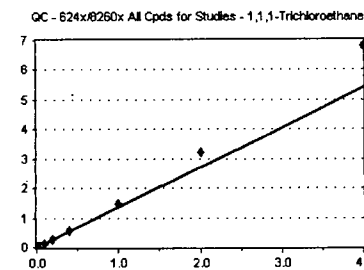


Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.1	496	2.046	5.52
0D15055-CAL2	0.2	787	1.648	5.53
0D15055-CAL3	0.4	4093	1.052	5.51
0D15055-CAL4	1	2145	0.932	5.52
0D15055-CAL5	2	3513	0.789	5.52
0D15055-CAL6	5	8656	0.727	5.53
0D15055-CAL7	10	17572	0.771	5.52
0D15055-CAL8	20	34510	0.766	5.52
0D15055-CAL9	50	90195	0.774	5.52
0D15055-CALA	100	168992	0.636	5.52
0D15055-CALB	200	404523	0.759	5.52

AVE RF 0.769 RF RSD 10.61 AVE RT 5.52

1,1,1-Trichloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.1	212	0.864	0.00
0D15055-CAL2	0.2	544	1.076	5.54
0D15055-CAL3	0.4	1158	1.215	5.54
0D15055-CAL4	1	2702	1.174	5.55
0D15055-CAL5	2	5220	1.172	5.54
0D15055-CAL6	5	13608	1.142	5.55
0D15055-CAL7	10	29826	1.309	5.55
0D15055-CAL8	20	63099	1.400	5.55
0D15055-CAL9	50	170925	1.467	5.55
0D15055-CALA	100	425093	1.600	5.55
0D15055-CALB	200	908550	1.704	5.55

AVE RF 1.354 RF RSD 15.00 AVE RT 5.55

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

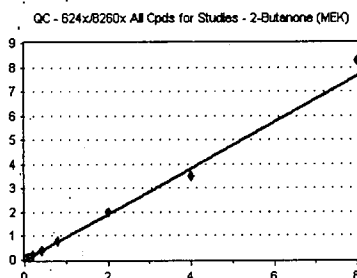
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

2-Butanone (MEK)

Curve Fit: **AVERAGE RF**

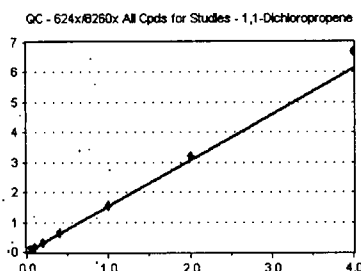


Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.2	618	1.256	5.68
0D15055-CAL2	0.4	1206	1.262	5.68
0D15055-CAL3	0.8	1984	1.041	5.68
0D15055-CAL4	2	4121	0.895	5.68
0D15055-CAL5	4	8538	0.958	5.67
0D15055-CAL6	10	20505	0.861	5.67
0D15055-CAL7	20	43309	0.950	5.67
0D15055-CAL8	40	89201	0.990	5.67
0D15055-CAL9	100	231100	0.992	5.67
0D15055-CALA	200	462627	0.871	5.67
0D15055-CALB	400	1102903	1.034	5.67

AVE RF 0.955 RF RSD 7.01 AVE RT 5.67

1,1-Dichloropropene

Curve Fit: **AVERAGE RF**

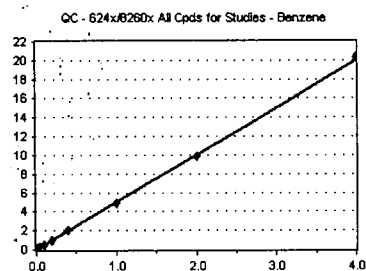


Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	745	1.560	5.68
0D15055-CAL3	0.4	1415	1.485	5.68
0D15055-CAL4	1	3317	1.441	5.68
0D15055-CAL5	2	6630	1.488	5.68
0D15055-CAL6	5	16110	1.352	5.67
0D15055-CAL7	10	35247	1.547	5.67
0D15055-CAL8	20	71203	1.580	5.67
0D15055-CAL9	50	182174	1.563	5.68
0D15055-CALA	100	427761	1.610	5.68
0D15055-CALB	200	893851	1.677	5.68

AVE RF 1.530 RF RSD 6.00 AVE RT 5.68

Benzene

Curve Fit: **AVERAGE RF**

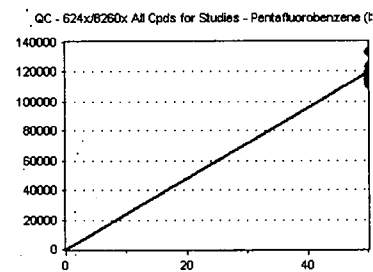


Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	0.1	1385	5.627	5.92
0D15055-CAL2	0.2	2508	5.250	5.94
0D15055-CAL3	0.4	4636	4.864	5.93
0D15055-CAL4	1	10980	4.771	5.93
0D15055-CAL5	2	22077	4.956	5.93
0D15055-CAL6	5	54508	4.576	5.93
0D15055-CAL7	10	112036	4.917	5.93
0D15055-CAL8	20	224634	4.985	5.93
0D15055-CAL9	50	565590	4.853	5.93
0D15055-CALA	100	1308491	4.925	5.93
0D15055-CALB	200	2715340	5.093	5.93

AVE RF 4.983 RF RSD 5.49 AVE RT 5.93

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D15055-CAL1	50	123070	2461.400	6.02
0D15055-CAL2	50	119420	2388.400	6.02
0D15055-CAL3	50	119141	2382.820	6.02
0D15055-CAL4	50	115073	2301.460	6.02
0D15055-CAL5	50	111368	2227.360	6.02
0D15055-CAL6	50	119114	2382.280	6.03
0D15055-CAL7	50	113931	2278.620	6.02
0D15055-CAL8	50	112647	2252.940	6.02
0D15055-CAL9	50	116538	2330.760	6.02
0D15055-CALA	50	132854	2657.080	6.02
0D15055-CALB	50	133276	2665.520	6.02

AVE RF 2393.513 RF RSD 6.22 AVE RT 6.02

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date:

04/17/2020

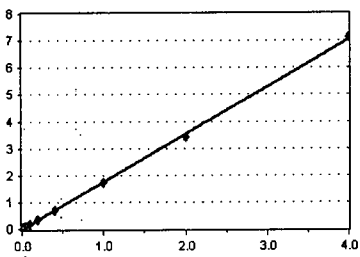
Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 1,2-Dichloroethane (EDC)

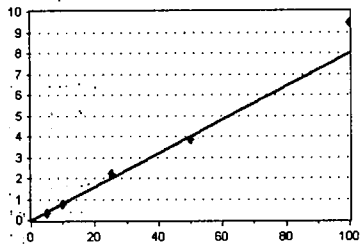


Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	486	1.974	6.14	
0D15055-CAL2	0.2	880	1.842	6.15	
0D15055-CAL3	0.4	1718	1.802	6.15	
0D15055-CAL4	1	3878	1.685	6.15	
0D15055-CAL5	2	7668	1.721	6.14	
0D15055-CAL6	5	19617	1.647	6.15	
0D15055-CAL7	10	39825	1.748	6.15	
0D15055-CAL8	20	79719	1.769	6.15	
0D15055-CAL9	50	201358	1.728	6.15	
0D15055-CALA	100	455212	1.713	6.15	
0D15055-CALB	200	953731	1.789	6.15	
AVE RF	1.765	RF RSD	5.02	AVE RT	6.15

Isobutyl alcohol

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Isobutyl alcohol

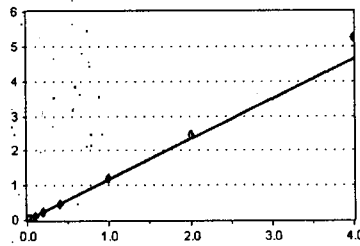


Standard	Concentration	Response	Response Factor	RT	
0D16055-CAL1	2.5	4529	0.248	6.24	
0D16055-CAL2	5	1964	0.164	6.26	
0D16055-CAL3	10	2497	0.105	6.24	
0D16055-CAL4	25	3924	6.820	6.24	
0D16055-CAL5	50	6920	6.214	6.22	
0D16055-CAL6	125	17136	5.754	6.22	
0D15055-CAL7	250	37001	6.495	6.21	
0D15055-CAL8	500	85601	7.599	6.21	
0D15055-CAL9	1250	255815	8.780	6.22	
0D15055-CALA	2500	509873	7.676	6.23	
0D15055-CALB	5000	1257409	9.435	6.22	
AVE RF	7.997	RF RSD	14.25	AVE RT	6.22

Trichloroethene (TCE)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Trichloroethene (TCE)

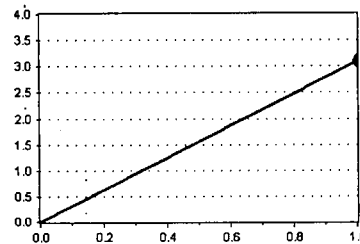


Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	272	1.105	6.55	
0D15055-CAL2	0.2	517	1.082	6.56	
0D15055-CAL3	0.4	1119	1.174	6.55	
0D15055-CAL4	1	2609	1.134	6.55	
0D15055-CAL5	2	5044	1.132	6.55	
0D15055-CAL6	5	12780	1.073	6.55	
0D15055-CAL7	10	26904	1.181	6.55	
0D15055-CAL8	20	52556	1.166	6.55	
0D15055-CAL9	50	138908	1.192	6.55	
0D15055-CALA	100	326538	1.229	6.55	
0D15055-CALB	200	699032	1.311	6.55	
AVE RF	1.162	RF RSD	5.92	AVE RT	6.55

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 1,4-Difluorobenzene (Surr)



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	50	382077	3.105	6.58	
0D15055-CAL2	50	370477	3.102	6.59	
0D15055-CAL3	50	365202	3.065	6.58	
0D15055-CAL4	50	356414	3.097	6.58	
0D15055-CAL5	50	344579	3.094	6.58	
0D15055-CAL6	50	369250	3.100	6.59	
0D15055-CAL7	50	351334	3.084	6.59	
0D15055-CAL8	50	348285	3.092	6.59	
0D15055-CAL9	50	360421	3.093	6.59	
0D15055-CALA	50	414674	3.121	6.58	
0D15055-CALB	50	418222	3.138	6.58	
AVE RF	3.099	RF RSD	0.61	AVE RT	6.58

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

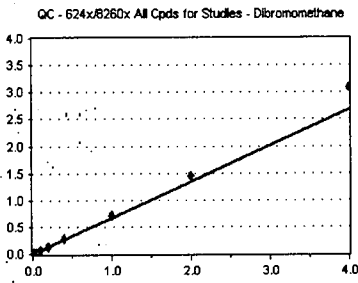
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Dibromomethane

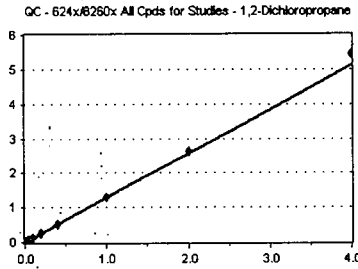
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
OD15055-CAL1	0.1	0	0.000	0.00	
OD15055-CAL2	0.2	279	0.584	7.01	
OD15055-CAL3	0.4	606	0.636	7.01	
OD15055-CAL4	1	1467	0.637	7.00	
OD15055-CAL5	2	2801	0.629	7.00	
OD15055-CAL6	5	7480	0.628	7.00	
OD15055-CAL7	10	15505	0.680	7.00	
OD15055-CAL8	20	31312	0.695	7.00	
OD15055-CAL9	50	82297	0.706	7.00	
OD15055-CALA	100	192103	0.723	7.00	
OD15055-CALB	200	412198	0.773	7.00	
AVE RF	0.669	RF RSD	8.42	AVE RT	7.00

1,2-Dichloropropane

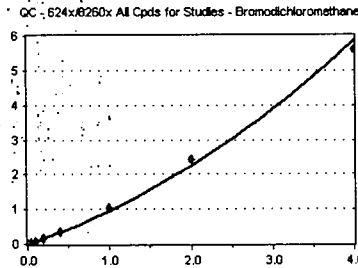
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
OD15055-CAL1	0.1	327	1.329	7.11	
OD15055-CAL2	0.2	597	1.250	7.10	
OD15055-CAL3	0.4	1245	1.306	7.11	
OD15055-CAL4	1	2710	1.178	7.11	
OD15055-CAL5	2	5706	1.281	7.11	
OD15055-CAL6	5	14170	1.190	7.11	
OD15055-CAL7	10	29085	1.276	7.10	
OD15055-CAL8	20	58195	1.292	7.10	
OD15055-CAL9	50	149624	1.284	7.10	
OD15055-CALA	100	346937	1.306	7.11	
OD15055-CALB	200	726441	1.363	7.11	
AVE RF	1.278	RF RSD	4.30	AVE RT	7.10

Bromodichloromethane

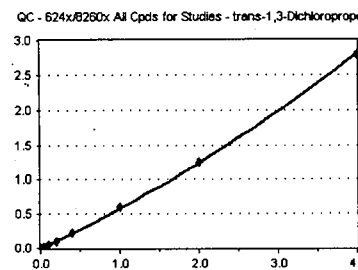
Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT	
OD15055-CAL1	0.1	0	0.000	0.00	
OD15055-CAL2	0.2	195	0.408	7.19	
OD15055-CAL3	0.4	586	0.615	7.18	
OD15055-CAL4	1	1461	0.635	7.19	
OD15055-CAL5	2	3276	0.735	7.18	
OD15055-CAL6	5	8220	0.690	7.18	
OD15055-CAL7	10	18124	0.795	7.18	
OD15055-CAL8	20	39868	0.885	7.18	
OD15055-CAL9	50	119930	1.029	7.18	
OD15055-CALA	100	321675	1.211	7.19	
OD15055-CALB	200	745825	1.399	7.19	
AVE RF	0.840	RF RSD	35.53	AVE RT	7.18

trans-1,3-Dichloropropene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT	
OD15055-CAL1	0.1	234	0.330	0.00	
OD15055-CAL2	0.2	489	0.381	8.64	
OD15055-CAL3	0.4	893	0.352	8.64	
OD15055-CAL4	1	2250	0.375	8.65	
OD15055-CAL5	2	4684	0.414	8.64	
OD15055-CAL6	5	12626	0.408	8.64	
OD15055-CAL7	10	28121	0.482	8.64	
OD15055-CAL8	20	61446	0.563	8.64	
OD15055-CAL9	50	179668	0.604	8.64	
OD15055-CALA	100	458797	0.627	8.64	
OD15055-CALB	200	1021746	0.697	8.64	
AVE RF	0.478	RF RSD	26.04	AVE RT	7.86

MWZ 4/21/20

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

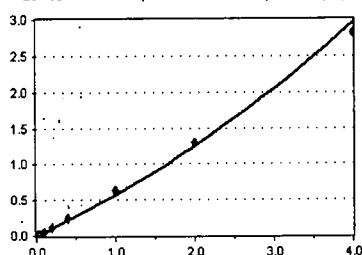
Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

cis-1,3-Dichloropropene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

QC - 624x/8260x All Cpds for Studies - cis-1,3-Dichloropropene



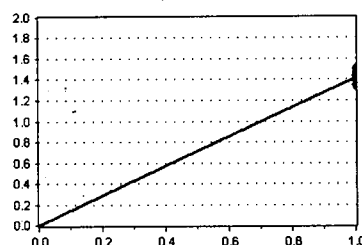
Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	541	0.421	7.88
0D15055-CAL3	0.4	1087	0.428	7.89
0D15055-CAL4	1	2583	0.431	7.89
0D15055-CAL5	2	5248	0.464	7.88
0D15055-CAL6	5	14029	0.454	7.89
0D15055-CAL7	10	31491	0.539	7.89
0D15055-CAL8	20	66069	0.605	7.88
0D15055-CAL9	50	189021	0.635	7.88
0D15055-CALA	100	473203	0.647	7.88
0D15055-CALB	200	1036108	0.707	7.89

AVE RF 0.533 RF RSD 20.17 AVE RT 7.88

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Toluene-d8 (Surr)



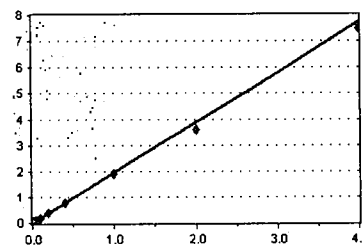
Standard	Concentration	Response	Factor	RT
0D15055-CAL1	50	461223	1.382	8.09
0D15055-CAL2	50	451361	1.405	8.09
0D15055-CAL3	50	444371	1.399	8.09
0D15055-CAL4	50	426535	1.424	8.09
0D15055-CAL5	50	415286	1.469	8.09
0D15055-CAL6	50	445402	1.441	8.09
0D15055-CAL7	50	422174	1.446	8.09
0D15055-CAL8	50	410350	1.504	8.09
0D15055-CAL9	50	430275	1.446	8.09
0D15055-CALA	50	494015	1.351	8.09
0D15055-CALB	50	491658	1.342	8.09

AVE RF 1.419 RF RSD 3.47 AVE RT 8.09

Toluene

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Toluene



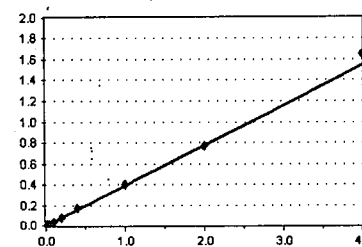
Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	1541	2.308	8.15
0D15055-CAL2	0.2	2621	2.040	8.15
0D15055-CAL3	0.4	5045	1.986	8.15
0D15055-CAL4	1	11070	1.847	8.15
0D15055-CAL5	2	21777	1.926	8.15
0D15055-CAL6	5	53224	1.722	8.15
0D15055-CAL7	10	109987	1.883	8.15
0D15055-CAL8	20	217487	1.993	8.15
0D15055-CAL9	50	560272	1.883	8.15
0D15055-CALA	100	1318275	1.803	8.15
0D15055-CALB	200	2734253	1.866	8.15

AVE RF 1.933 RF RSD 7.96 AVE RT 8.15

Tetrachloroethene (PCE)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Tetrachloroethene (PCE)



Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	447	0.348	8.59
0D15055-CAL3	0.4	940	0.370	8.60
0D15055-CAL4	1	2223	0.371	8.60
0D15055-CAL5	2	4534	0.401	8.60
0D15055-CAL6	5	10948	0.354	8.59
0D15055-CAL7	10	23094	0.395	8.60
0D15055-CAL8	20	45854	0.420	8.60
0D15055-CAL9	50	119295	0.401	8.60
0D15055-CALA	100	281716	0.385	8.60
0D15055-CALB	200	604238	0.412	8.60

AVE RF 0.386 RF RSD 6.32 AVE RT 8.60

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

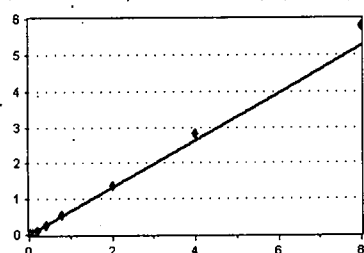
Instrument Cal ID: **VF200415S VF200415G**

4-Methyl-2-pentanone (MiBK)

Curve Fit: **AVERAGE RF**

Response

QC - 624x/8260x All Cpds for Studies - 4-Methyl-2-pentanone (MiBK)



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.2	898	0.672	8.60
OD15055-CAL2	0.4	1913	0.745	8.60
OD15055-CAL3	0.8	3294	0.648	8.60
OD15055-CAL4	2	6896	0.575	8.60
OD15055-CAL5	4	13319	0.589	8.60
OD15055-CAL6	10	34417	0.557	8.60
OD15055-CAL7	20	73792	0.632	8.60
OD15055-CAL8	40	151428	0.694	8.60
OD15055-CAL9	100	408181	0.686	8.60
OD15055-CALA	200	1028968	0.704	8.59
OD15055-CALB	400	2129713	0.727	8.60

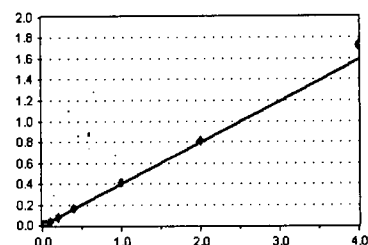
AVE RF 0.657 RF RSD 9.53 AVE RT 8.60

1,1,2-Trichloroethane

Curve Fit: **AVERAGE RF**

Response

QC - 624x/8260x All Cpds for Studies - 1,1,2-Trichloroethane



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	291	0.436	8.81
OD15055-CAL2	0.2	470	0.366	8.82
OD15055-CAL3	0.4	967	0.381	8.82
OD15055-CAL4	1	2223	0.371	8.82
OD15055-CAL5	2	4316	0.382	8.82
OD15055-CAL6	5	11400	0.369	8.82
OD15055-CAL7	10	23352	0.400	8.82
OD15055-CAL8	20	45434	0.416	8.82
OD15055-CAL9	50	121861	0.410	8.81
OD15055-CALA	100	297100	0.406	8.82
OD15055-CALB	200	633354	0.432	8.82

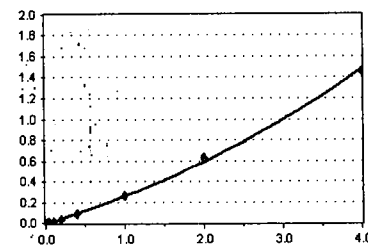
AVE RF 0.397 RF RSD 6.33 AVE RT 8.82

1,1,1,2-Tetrachloroethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

Response

QC - 624x/8260x All Cpds for Studies - 1,1,1,2-Tetrachloroethane



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	0	0.000	9.00
OD15055-CAL2	0.2	101	7.862	0.00
OD15055-CAL3	0.4	316	0.124	9.82
OD15055-CAL4	1	811	0.135	9.83
OD15055-CAL5	2	1631	0.144	9.82
OD15055-CAL6	5	4738	0.153	9.82
OD15055-CAL7	10	10433	0.179	9.82
OD15055-CAL8	20	22833	0.209	9.82
OD15055-CAL9	50	76855	0.258	9.82
OD15055-CALA	100	230226	0.315	9.82
OD15055-CALB	200	533250	0.364	9.82

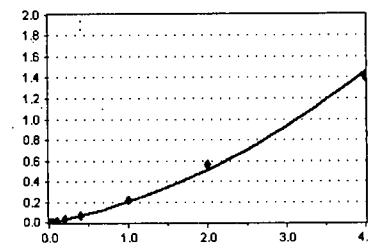
AVE RF 0.196 RF RSD 46.17 AVE RT 8.84

Dibromochloromethane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Response

QC - 624x/8260x All Cpds for Studies - Dibromochloromethane



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	0	0.000	9.00
OD15055-CAL2	0.2	0	0.000	9.00
OD15055-CAL3	0.4	196	7.715	9.00
OD15055-CAL4	1	626	0.104	9.01
OD15055-CAL5	2	1456	0.129	9.00
OD15055-CAL6	5	4084	0.132	9.01
OD15055-CAL7	10	8637	0.148	9.01
OD15055-CAL8	20	18515	0.170	9.01
OD15055-CAL9	50	64760	0.218	9.01
OD15055-CALA	100	204083	0.279	9.00
OD15055-CALB	200	513006	0.350	9.00

AVE RF 0.179 RF RSD 49.50 AVE RT 9.01

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

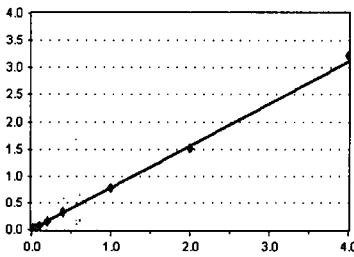
Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

1,3-Dichloropropane

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 1,3-Dichloropropane

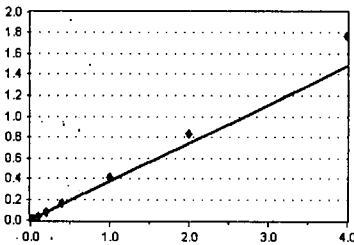


Standard	Concentration	Response	Response		
			Factor	RT	
0D15055-CAL1	0.1	589	0.882	9.11	
0D15055-CAL2	0.2	974	0.758	9.11	
0D15055-CAL3	0.4	1920	0.756	9.11	
0D15055-CAL4	1	4487	0.749	9.11	
0D15055-CAL5	2	8767	0.775	9.11	
0D15055-CAL6	5	22498	0.728	9.11	
0D15055-CAL7	10	45557	0.780	9.10	
0D15055-CAL8	20	88057	0.807	9.10	
0D15055-CAL9	50	233294	0.784	9.11	
0D15055-CALA	100	553896	0.758	9.10	
0D15055-CALB	200	1178665	0.804	9.10	
AVE RF	0.780	RF RSD	5.29	AVE RT	9.10

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 1,2-Dibromoethane (EDB)

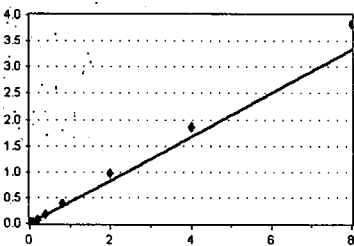


Standard	Concentration	Response	Response		
			Factor	RT	
0D15055-CAL1	0.1	146	0.219	9.00	
0D15055-CAL2	0.2	333	0.259	9.25	
0D15055-CAL3	0.4	770	0.303	9.25	
0D15055-CAL4	1	1853	0.309	9.25	
0D15055-CAL5	2	3813	0.337	9.24	
0D15055-CAL6	5	9975	0.323	9.24	
0D15055-CAL7	10	21939	0.376	9.24	
0D15055-CAL8	20	44442	0.407	9.24	
0D15055-CAL9	50	123680	0.416	9.25	
0D15055-CALA	100	302521	0.414	9.24	
0D15055-CALB	200	649630	0.443	9.24	
AVE RF	0.370	RF RSD	14.27	AVE RT	9.24

2-Hexanone

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 2-Hexanone

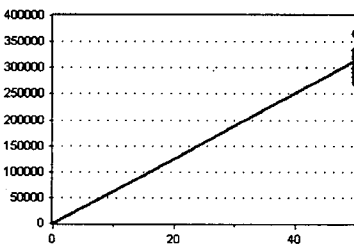


Standard	Concentration	Response	Response		
			Factor	RT	
0D15055-CAL1	0.2	556	0.416	9.48	
0D15055-CAL2	0.4	1015	0.395	9.49	
0D15055-CAL3	0.8	1679	0.330	9.48	
0D15055-CAL4	2	4226	0.353	9.48	
0D15055-CAL5	4	8440	0.373	9.48	
0D15055-CAL6	10	22941	0.371	9.48	
0D15055-CAL7	20	50419	0.432	9.48	
0D15055-CAL8	40	106754	0.489	9.48	
0D15055-CAL9	100	291905	0.491	9.48	
0D15055-CALA	200	677189	0.463	9.48	
0D15055-CALB	400	1400467	0.478	9.48	
AVE RF	0.417	RF RSD	13.73	AVE RT	9.48

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Chlorobenzene-d5 (ISTD)



Standard	Concentration	Response	Response		
			Factor	RT	
0D15055-CAL1	50	333847	6676.940	9.74	
0D15055-CAL2	50	321159	6423.180	9.74	
0D15055-CAL3	50	317563	6351.260	9.75	
0D15055-CAL4	50	299611	5992.220	9.74	
0D15055-CAL5	50	282693	5653.860	9.74	
0D15055-CAL6	50	309093	6181.860	9.74	
0D15055-CAL7	50	291984	5839.680	9.74	
0D15055-CAL8	50	272793	5455.860	9.74	
0D15055-CAL9	50	297469	5949.380	9.75	
0D15055-CALA	50	365587	7311.740	9.74	
0D15055-CALB	50	366335	7326.700	9.75	
AVE RF	6287.516	RF RSD	9.82	AVE RT	9.74

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

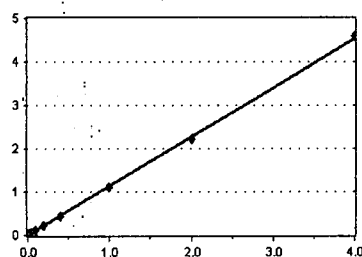
Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Chlorobenzene

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Chlorobenzene



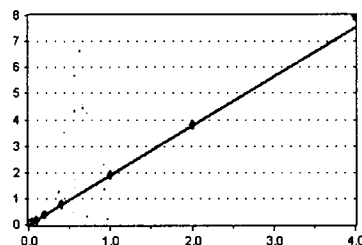
Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	897	1.343	9.76
OD15055-CAL2	0.2	1519	1.182	9.76
OD15055-CAL3	0.4	3034	1.194	9.76
OD15055-CAL4	1	6552	1.093	9.76
OD15055-CAL5	2	12590	1.113	9.76
OD15055-CAL6	5	31458	1.018	9.76
OD15055-CAL7	10	63920	1.095	9.76
OD15055-CAL8	20	121626	1.115	9.76
OD15055-CAL9	50	327074	1.100	9.76
OD15055-CALA	100	808830	1.106	9.76
OD15055-CALB	200	1681769	1.148	9.76

AVE RF 1.137 RF RSD 7.33 AVE RT 9.76

Ethylbenzene

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - Ethylbenzene



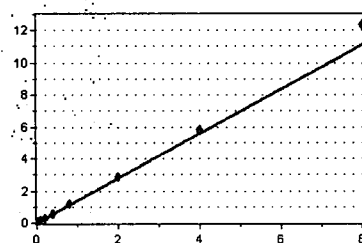
Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	1361	2.038	9.79
OD15055-CAL2	0.2	2370	1.845	9.79
OD15055-CAL3	0.4	4752	1.870	9.79
OD15055-CAL4	1	10437	1.742	9.79
OD15055-CAL5	2	21201	1.875	9.78
OD15055-CAL6	5	53062	1.717	9.79
OD15055-CAL7	10	110016	1.884	9.79
OD15055-CAL8	20	210950	1.933	9.79
OD15055-CAL9	50	570093	1.916	9.78
OD15055-CALA	100	1397366	1.911	9.78
OD15055-CALB	200	2912507	1.988	9.78

AVE RF 1.884 RF RSD 5.00 AVE RT 9.78

m,p-Xylene

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - m,p-Xylene



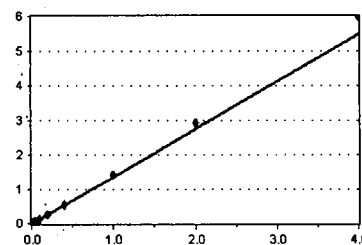
Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.2	2134	1.598	9.92
OD15055-CAL2	0.4	3430	1.335	9.92
OD15055-CAL3	0.8	6604	1.300	9.92
OD15055-CAL4	2	14916	1.245	9.92
OD15055-CAL5	4	29860	1.320	9.92
OD15055-CAL6	10	76021	1.230	9.92
OD15055-CAL7	20	161556	1.383	9.92
OD15055-CAL8	40	316320	1.449	9.92
OD15055-CAL9	100	860176	1.446	9.92
OD15055-CALA	200	2135488	1.460	9.92
OD15055-CALB	400	4533534	1.547	9.92

AVE RF 1.392 RF RSD 8.57 AVE RT 9.92

o-Xylene

Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - o-Xylene



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	1057	1.583	10.30
OD15055-CAL2	0.2	1666	1.297	10.31
OD15055-CAL3	0.4	3284	1.293	10.31
OD15055-CAL4	1	7346	1.226	10.31
OD15055-CAL5	2	14549	1.287	10.31
OD15055-CAL6	5	37514	1.214	10.30
OD15055-CAL7	10	79832	1.367	10.30
OD15055-CAL8	20	154671	1.417	10.30
OD15055-CAL9	50	426275	1.433	10.30
OD15055-CALA	100	1061498	1.452	10.31
OD15055-CALB	200	2193198	1.497	10.31

AVE RF 1.370 RF RSD 8.57 AVE RT 10.30

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

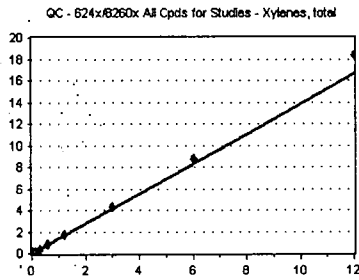
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Xylenes, total

Curve Fit: **AVERAGE RF**

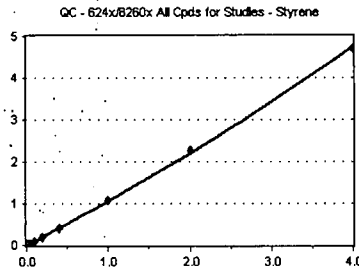


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.3	3191	1.593	10.30
OD15055-CAL2	0.6	5096	1.322	10.31
OD15055-CAL3	1.2	9888	1.297	10.31
OD15055-CAL4	3	22262	1.238	10.31
OD15055-CAL5	6	44409	1.309	10.31
OD15055-CAL6	15	113535	1.224	10.30
OD15055-CAL7	30	241388	1.378	10.30
OD15055-CAL8	60	470991	1.439	10.30
OD15055-CAL9	150	1286451	1.442	10.30
OD15055-CALA	300	3196986	1.457	10.31
OD15055-CALB	600	6726732	1.530	10.31

AVE RF 1.385 RF RSD 8.56 AVE RT 10.30

Styrene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

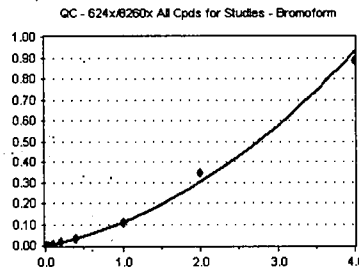


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	577	0.864	10.36
OD15055-CAL2	0.2	935	0.728	10.36
OD15055-CAL3	0.4	2000	0.787	10.35
OD15055-CAL4	1	4450	0.743	10.36
OD15055-CAL5	2	9007	0.797	10.35
OD15055-CAL6	5	24626	0.797	10.36
OD15055-CAL7	10	54414	0.932	10.36
OD15055-CAL8	20	111794	1.025	10.35
OD15055-CAL9	50	318164	1.070	10.35
OD15055-CALA	100	830790	1.136	10.36
OD15055-CALB	200	1724960	1.177	10.36

AVE RF 0.914 RF RSD 17.83 AVE RT 10.36

Bromoform

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

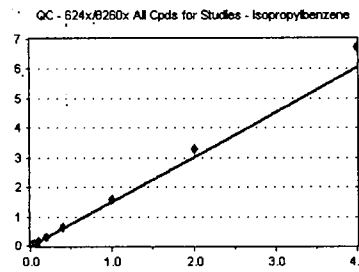


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	0	0.000	0.00
OD15055-CAL2	0.2	0	0.000	0.00
OD15055-CAL3	0.4	0	0.000	0.00
OD15055-CAL4	1	291	4.856	10.38
OD15055-CAL5	2	578	5.112	10.38
OD15055-CAL6	5	1859	6.014	10.38
OD15055-CAL7	10	4061	6.954	10.38
OD15055-CAL8	20	9006	8.254	10.38
OD15055-CAL9	50	32452	0.109	10.38
OD15055-CALA	100	126429	0.173	10.38
OD15055-CALB	200	324919	0.222	10.38

AVE RF 0.102 RF RSD 62.08 AVE RT 10.38

Isopropylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	1046	1.567	10.57
OD15055-CAL2	0.2	1819	1.416	10.58
OD15055-CAL3	0.4	3597	1.416	10.58
OD15055-CAL4	1	7961	1.329	10.58
OD15055-CAL5	2	16178	1.431	10.57
OD15055-CAL6	5	42001	1.359	10.58
OD15055-CAL7	10	89787	1.538	10.58
OD15055-CAL8	20	176001	1.613	10.58
OD15055-CAL9	50	478235	1.608	10.57
OD15055-CALA	100	1206079	1.650	10.57
OD15055-CALB	200	2466754	1.683	10.57

AVE RF 1.510 RF RSD 8.20 AVE RT 10.58

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date:

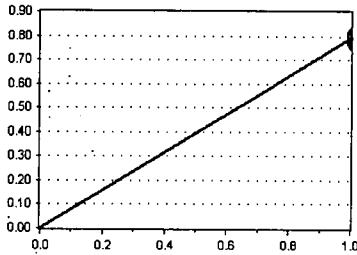
04/17/2020

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

4-Bromofluorobenzene (Surr) Curve Fit: **AVERAGE RF**

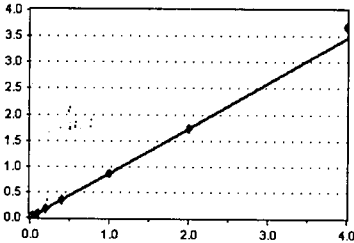
QC - 624x/8260x All Cpds for Studies - 4-Bromofluorobenzene (S)



Standard	Concentration	Response	Response	
			Factor	RT
OD15055-CAL1	50	123834	0.811	10.82
OD15055-CAL2	50	120185	0.806	10.81
OD15055-CAL3	50	116791	0.805	10.82
OD15055-CAL4	50	106162	0.817	10.82
OD15055-CAL5	50	98914	0.798	10.82
OD15055-CAL6	50	108882	0.802	10.81
OD15055-CAL7	50	103043	0.791	10.82
OD15055-CAL8	50	97325	0.762	10.82
OD15055-CAL9	50	106668	0.779	10.82
OD15055-CALA	50	136740	0.768	10.82
OD15055-CALB	50	129349	0.764	10.82
AVE RF		0.791	RF RSD	2.51
			AVE RT	10.82

Bromobenzene Curve Fit: **AVERAGE RF**

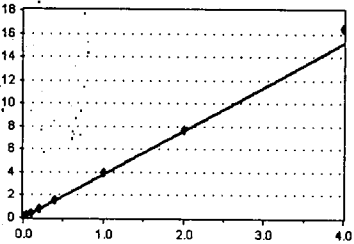
QC - 624x/8260x All Cpds for Studies - Bromobenzene



Standard	Concentration	Response	Response	
			Factor	RT
OD15055-CAL1	0.1	295	0.966	10.90
OD15055-CAL2	0.2	434	0.728	10.90
OD15055-CAL3	0.4	1066	0.918	10.90
OD15055-CAL4	1	2235	0.860	10.90
OD15055-CAL5	2	4185	0.844	10.90
OD15055-CAL6	5	11063	0.815	10.90
OD15055-CAL7	10	22662	0.870	10.90
OD15055-CAL8	20	43480	0.851	10.90
OD15055-CAL9	50	118217	0.863	10.90
OD15055-CALA	100	309168	0.868	10.90
OD15055-CALB	200	622580	0.919	10.90
AVE RF		0.864	RF RSD	7.12
			AVE RT	10.90

n-Propylbenzene Curve Fit: **AVERAGE RF**

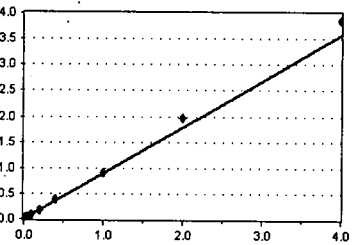
QC - 624x/8260x All Cpds for Studies - n-Propylbenzene



Standard	Concentration	Response	Response	
			Factor	RT
OD15055-CAL1	0.1	1246	4.079	10.92
OD15055-CAL2	0.2	2112	3.543	10.92
OD15055-CAL3	0.4	3988	3.435	10.92
OD15055-CAL4	1	9464	3.641	10.92
OD15055-CAL5	2	18708	3.774	10.92
OD15055-CAL6	5	47646	3.511	10.92
OD15055-CAL7	10	102422	3.930	10.92
OD15055-CAL8	20	198223	3.880	10.92
OD15055-CAL9	50	543089	3.965	10.92
OD15055-CALA	100	1365607	3.832	10.92
OD15055-CALB	200	2790782	4.121	10.92
AVE RF		3.792	RF RSD	6.13
			AVE RT	10.92

1,1,2,2-Tetrachloroethane Curve Fit: **AVERAGE RF**

QC - 624x/8260x All Cpds for Studies - 1,1,2,2-Tetrachloroethan



Standard	Concentration	Response	Response	
			Factor	RT
OD15055-CAL1	0.1	280	0.917	10.99
OD15055-CAL2	0.2	588	0.986	10.99
OD15055-CAL3	0.4	996	0.858	10.99
OD15055-CAL4	1	2070	0.796	10.99
OD15055-CAL5	2	4164	0.840	10.99
OD15055-CAL6	5	10469	0.771	10.99
OD15055-CAL7	10	21587	0.828	10.99
OD15055-CAL8	20	48482	0.949	10.98
OD15055-CAL9	50	125467	0.916	10.99
OD15055-CALA	100	349551	0.981	10.99
OD15055-CALB	200	651972	0.963	10.99
AVE RF		0.891	RF RSD	8.53
			AVE RT	10.99

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

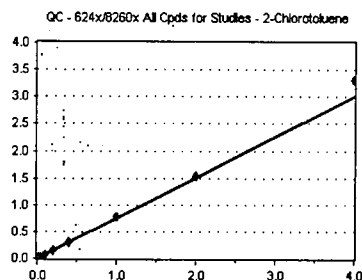
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

2-Chlorotoluene

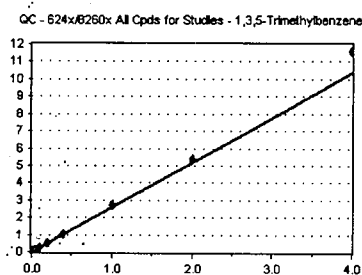
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	236	0.773	11.05	
0D15055-CAL2	0.2	453	0.760	11.05	
0D15055-CAL3	0.4	773	0.666	11.05	
0D15055-CAL4	1	1905	0.733	11.05	
0D15055-CAL5	2	3756	0.758	11.05	
0D15055-CAL6	5	9521	0.702	11.05	
0D15055-CAL7	10	20091	0.771	11.05	
0D15055-CAL8	20	38726	0.758	11.05	
0D15055-CAL9	50	106097	0.775	11.05	
0D15055-CALA	100	274224	0.770	11.05	
0D15055-CALB	200	559733	0.826	11.05	
AVE RF	0.754	RF RSD	5.56	AVE RT	11.05

1,3,5-Trimethylbenzene

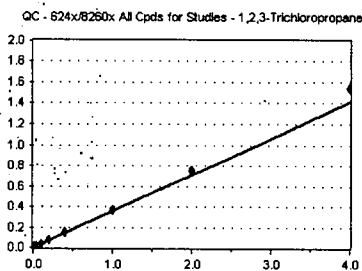
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	819	2.681	11.08	
0D15055-CAL2	0.2	1411	2.367	11.08	
0D15055-CAL3	0.4	2808	2.419	11.08	
0D15055-CAL4	1	6377	2.454	11.08	
0D15055-CAL5	2	12502	2.522	11.08	
0D15055-CAL6	5	32366	2.385	11.08	
0D15055-CAL7	10	68918	2.645	11.08	
0D15055-CAL8	20	136537	2.672	11.08	
0D15055-CAL9	50	376245	2.747	11.08	
0D15055-CALA	100	956960	2.686	11.08	
0D15055-CALB	200	1965733	2.902	11.08	
AVE RF	2.589	RF RSD	6.62	AVE RT	11.08

1,2,3-Trichloropropane

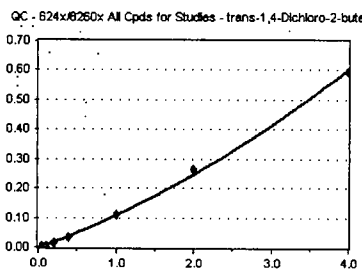
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	0	0.000	0.00	
0D15055-CAL2	0.2	178	0.299	11.09	
0D15055-CAL3	0.4	366	0.315	11.10	
0D15055-CAL4	1	907	0.349	11.10	
0D15055-CAL5	2	1808	0.365	11.10	
0D15055-CAL6	5	4527	0.334	11.09	
0D15055-CAL7	10	9412	0.361	11.09	
0D15055-CAL8	20	19327	0.378	11.09	
0D15055-CAL9	50	50810	0.371	11.10	
0D15055-CALA	100	134530	0.378	11.09	
0D15055-CALB	200	261135	0.386	11.09	
AVE RF	0.353	RF RSD	8.23	AVE RT	11.09

trans-1,4-Dichloro-2-butene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT	
0D15055-CAL1	0.1	0	0.000	0.00	
0D15055-CAL2	0.2	0	0.000	0.00	
0D15055-CAL3	0.4	0	0.000	0.00	
0D15055-CAL4	1	0	0.000	0.00	
0D15055-CAL5	2	239	4.822	11.13	
0D15055-CAL6	5	741	5.460	11.13	
0D15055-CAL7	10	1729	6.634	11.13	
0D15055-CAL8	20	4241	8.301	11.12	
0D15055-CAL9	50	14873	0.109	11.13	
0D15055-CALA	100	46974	0.132	11.13	
0D15055-CALB	200	100806	0.149	11.13	
AVE RF	9.163	RF RSD	42.61	AVE RT	11.13

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

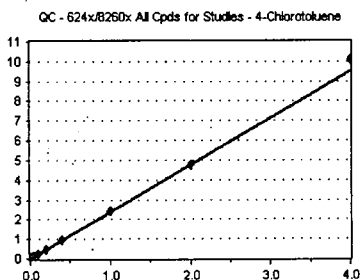
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

4-Chlorotoluene

Curve Fit: **AVERAGE RF**

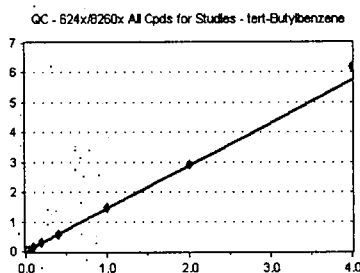


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	780	2.553	11.19
OD15055-CAL2	0.2	1427	2.394	11.19
OD15055-CAL3	0.4	2650	2.283	11.19
OD15055-CAL4	1	5924	2.279	11.18
OD15055-CAL5	2	11786	2.378	11.18
OD15055-CAL6	5	29702	2.188	11.19
OD15055-CAL7	10	61780	2.371	11.18
OD15055-CAL8	20	121472	2.377	11.18
OD15055-CAL9	50	330632	2.414	11.18
OD15055-CALA	100	851952	2.391	11.18
OD15055-CALB	200	1714507	2.531	11.18

AVE RF 2.378 RF RSD 4.43 AVE RT 11.18

tert-Butylbenzene

Curve Fit: **AVERAGE RF**

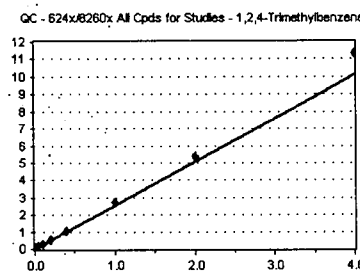


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	448	1.467	11.33
OD15055-CAL2	0.2	806	1.352	11.33
OD15055-CAL3	0.4	1699	1.463	11.33
OD15055-CAL4	1	3523	1.355	11.33
OD15055-CAL5	2	6938	1.400	11.33
OD15055-CAL6	5	17984	1.325	11.33
OD15055-CAL7	10	38344	1.471	11.33
OD15055-CAL8	20	73967	1.448	11.33
OD15055-CAL9	50	201935	1.474	11.33
OD15055-CALA	100	522049	1.465	11.33
OD15055-CALB	200	1048515	1.548	11.33

AVE RF 1.434 RF RSD 4.68 AVE RT 11.33

1,2,4-Trimethylbenzene

Curve Fit: **AVERAGE RF**

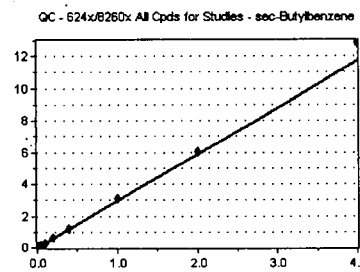


Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	837	2.740	11.38
OD15055-CAL2	0.2	1331	2.233	11.39
OD15055-CAL3	0.4	2518	2.169	11.39
OD15055-CAL4	1	5961	2.293	11.39
OD15055-CAL5	2	12311	2.484	11.39
OD15055-CAL6	5	32470	2.392	11.39
OD15055-CAL7	10	68606	2.633	11.39
OD15055-CAL8	20	136037	2.663	11.39
OD15055-CAL9	50	374946	2.738	11.39
OD15055-CALA	100	955595	2.682	11.38
OD15055-CALB	200	1926855	2.845	11.38

AVE RF 2.534 RF RSD 9.12 AVE RT 11.39

sec-Butylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	915	2.995	11.47
OD15055-CAL2	0.2	1653	2.773	11.47
OD15055-CAL3	0.4	3075	2.649	11.47
OD15055-CAL4	1	7332	2.821	11.47
OD15055-CAL5	2	14423	2.910	11.47
OD15055-CAL6	5	36956	2.723	11.47
OD15055-CAL7	10	79869	3.065	11.47
OD15055-CAL8	20	154641	3.027	11.46
OD15055-CAL9	50	422723	3.087	11.47
OD15055-CALA	100	1081598	3.035	11.47
OD15055-CALB	200	2180599	3.220	11.47

AVE RF 2.937 RF RSD 5.99 AVE RT 11.47

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

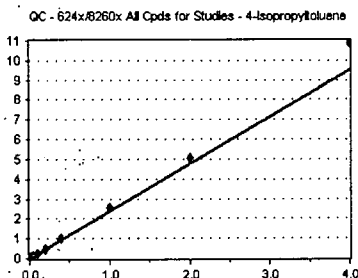
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

4-Isopropyltoluene

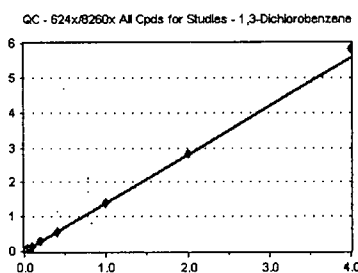
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	714	2.337	11.58
OD15055-CAL2	0.2	1241	2.082	11.58
OD15055-CAL3	0.4	2559	2.204	11.58
OD15055-CAL4	1	5668	2.181	11.58
OD15055-CAL5	2	11620	2.344	11.58
OD15055-CAL6	5	29608	2.182	11.57
OD15055-CAL7	10	65265	2.504	11.57
OD15055-CAL8	20	127726	2.500	11.57
OD15055-CAL9	50	353303	2.580	11.58
OD15055-CALA	100	905176	2.540	11.58
OD15055-CALB	200	1842894	2.721	11.58
AVE RF	2.380	RF RSD	8.55	AVE RT 11.58

1,3-Dichlorobenzene

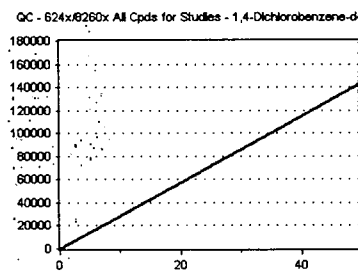
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	471	1.542	11.65
OD15055-CAL2	0.2	758	1.271	11.64
OD15055-CAL3	0.4	1654	1.425	11.64
OD15055-CAL4	1	3425	1.318	11.64
OD15055-CAL5	2	6836	1.379	11.64
OD15055-CAL6	5	17542	1.292	11.65
OD15055-CAL7	10	36707	1.409	11.65
OD15055-CAL8	20	72431	1.418	11.64
OD15055-CAL9	50	192153	1.403	11.64
OD15055-CALA	100	505402	1.418	11.65
OD15055-CALB	200	988841	1.460	11.64
AVE RF	1.394	RF RSD	5.56	AVE RT 11.64

1,4-Dichlorobenzene-d4 (ISTD)

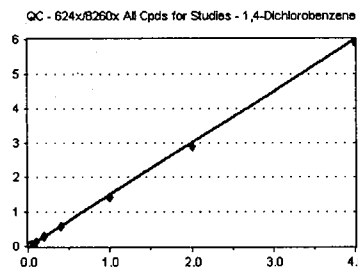
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	50	152732	3054.640	11.70
OD15055-CAL2	50	149042	2980.840	11.70
OD15055-CAL3	50	145120	2902.400	11.70
OD15055-CAL4	50	129956	2599.120	11.70
OD15055-CAL5	50	123923	2478.460	11.70
OD15055-CAL6	50	135723	2714.460	11.70
OD15055-CAL7	50	130304	2606.080	11.70
OD15055-CAL8	50	127733	2554.660	11.70
OD15055-CAL9	50	136954	2739.080	11.70
OD15055-CALA	50	178162	3563.240	11.70
OD15055-CALB	50	169322	3386.440	11.70
AVE RF	2870.856	RF RSD	12.23	AVE RT 11.70

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Factor	RT
OD15055-CAL1	0.1	549	1.797	11.71
OD15055-CAL2	0.2	929	1.558	11.71
OD15055-CAL3	0.4	1751	1.508	11.71
OD15055-CAL4	1	3748	1.442	11.71
OD15055-CAL5	2	7346	1.482	11.71
OD15055-CAL6	5	18693	1.377	11.71
OD15055-CAL7	10	38073	1.461	11.71
OD15055-CAL8	20	75248	1.473	11.71
OD15055-CAL9	50	196840	1.437	11.71
OD15055-CALA	100	514919	1.445	11.71
OD15055-CALB	200	1000906	1.478	11.71
AVE RF	1.496	RF RSD	7.33	AVE RT 11.71

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

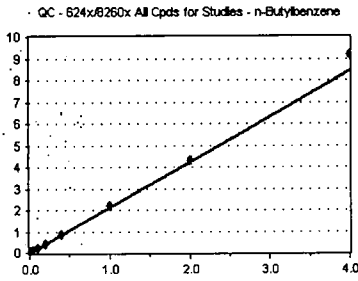
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpd**

Instrument Cal ID: **VF200415S VF200415G**

n-Butylbenzene

Curve Fit: **AVERAGE RF**

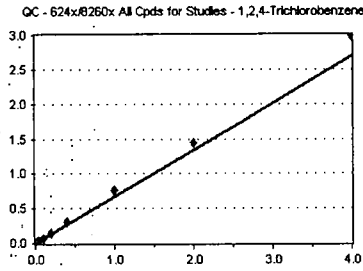


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	696	2.279	11.90
0D15055-CAL2	0.2	1138	1.909	11.90
0D15055-CAL3	0.4	2409	2.075	11.89
0D15055-CAL4	1	4992	1.921	11.89
0D15055-CAL5	2	10083	2.034	11.89
0D15055-CAL6	5	26140	1.926	11.90
0D15055-CAL7	10	56078	2.152	11.90
0D15055-CAL8	20	111724	2.187	11.90
0D15055-CAL9	50	302715	2.210	11.89
0D15055-CALA	100	771380	2.165	11.89
0D15055-CALB	200	1556404	2.298	11.89

AVE RF 2.105 RF RSD 6.74 AVE RT 11.89

1,2,4-Trichlorobenzene

Curve Fit: **AVERAGE RF**

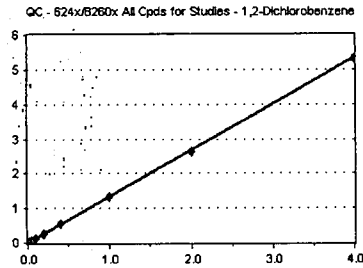


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	170	0.557	0.00
0D15055-CAL2	0.2	303	0.508	13.18
0D15055-CAL3	0.4	696	0.600	13.17
0D15055-CAL4	1	1729	0.665	13.17
0D15055-CAL5	2	3434	0.693	13.17
0D15055-CAL6	5	8767	0.646	13.17
0D15055-CAL7	10	18555	0.712	13.17
0D15055-CAL8	20	39042	0.764	13.17
0D15055-CAL9	50	105320	0.769	13.17
0D15055-CALA	100	257771	0.723	13.17
0D15055-CALB	200	506108	0.747	13.17

AVE RF 0.671 RF RSD 12.85 AVE RT 11.97

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

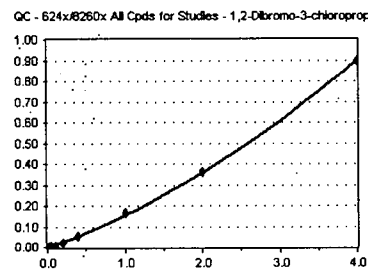


Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	446	1.460	12.03
0D15055-CAL2	0.2	830	1.392	12.03
0D15055-CAL3	0.4	1548	1.333	12.03
0D15055-CAL4	1	3468	1.334	12.03
0D15055-CAL5	2	6603	1.332	12.03
0D15055-CAL6	5	16444	1.212	12.03
0D15055-CAL7	10	34983	1.342	12.03
0D15055-CAL8	20	69381	1.358	12.03
0D15055-CAL9	50	183116	1.337	12.03
0D15055-CALA	100	468861	1.316	12.03
0D15055-CALB	200	902610	1.333	12.03

AVE RF 1.341 RF RSD 4.40 AVE RT 12.03

1,2-Dibromo-3-chloropropane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**



Standard	Concentration	Response	Factor	RT
0D15055-CAL1	0.1	0	0.000	0.00
0D15055-CAL2	0.2	0	0.000	0.00
0D15055-CAL3	0.4	0	0.000	0.00
0D15055-CAL4	1	214	8.234	12.64
0D15055-CAL5	2	364	0.073	12.63
0D15055-CAL6	5	1099	8.097	12.63
0D15055-CAL7	10	2606	10.000	12.63
0D15055-CAL8	20	6686	0.131	12.63
0D15055-CAL9	50	22914	0.167	12.63
0D15055-CALA	100	64406	0.181	12.63
0D15055-CALB	200	152265	0.225	12.63

AVE RF 0.130 RF RSD 42.84 AVE RT 12.63

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

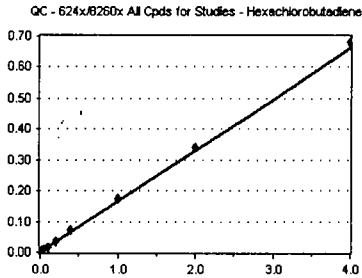
Calibration Date: **04/17/2020**

Analysis: **QC - 624x/8260x All Cpds fo**

Instrument Cal ID: **VF200415S VF200415G**

Hexachlorobutadiene

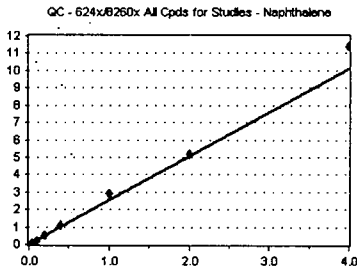
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D16055-CAL1	0.1	0	0.000	0.00
0D16055-CAL2	0.2	0	0.000	0.00
0D15055-CAL3	0.4	140	0.121	13.13
0D15055-CAL4	1	437	0.168	13.13
0D15055-CAL5	2	831	0.168	13.13
0D15055-CAL6	5	2123	0.156	13.14
0D15055-CAL7	10	4603	0.177	13.13
0D15055-CAL8	20	9271	0.181	13.13
0D15055-CAL9	50	23851	0.174	13.13
0D15055-CALA	100	60989	0.171	13.14
0D15055-CALB	200	115332	0.170	13.14
AVE RF	0.165	RF RSD	10.95	AVE RT 13.13

Naphthalene

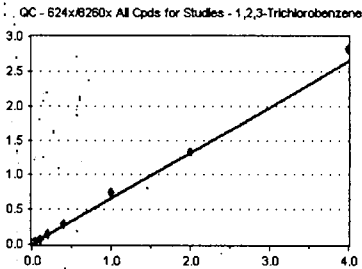
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D16055-CAL1	0.1	694	1.945	0.00
0D16055-CAL2	0.2	967	1.622	13.46
0D16055-CAL3	0.4	1819	1.567	13.44
0D16055-CAL4	1	4911	1.889	13.46
0D15055-CAL5	2	10317	2.081	13.44
0D15055-CAL6	5	28184	2.077	13.44
0D15055-CAL7	10	64255	2.466	13.44
0D15055-CAL8	20	141329	2.766	13.44
0D15055-CAL9	50	399948	2.920	13.44
0D15055-CALA	100	925706	2.598	13.44
0D15055-CALB	200	1927869	2.846	13.44
AVE RF	2.536	RF RSD	13.69	AVE RT 13.44

1,2,3-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D16055-CAL1	0.1	455	0.607	0.00
0D15055-CAL2	0.2	301	0.505	13.60
0D15055-CAL3	0.4	661	0.569	13.61
0D15055-CAL4	1	1635	0.629	13.61
0D15055-CAL5	2	3389	0.684	13.61
0D15055-CAL6	5	8564	0.631	13.61
0D15055-CAL7	10	18453	0.708	13.61
0D15055-CAL8	20	38141	0.746	13.61
0D15055-CAL9	50	101709	0.743	13.60
0D15055-CALA	100	237228	0.666	13.60
0D15055-CALB	200	478749	0.707	13.60
AVE RF	0.659	RF RSD	11.70	AVE RT 13.61

Calibration Status Report VOA-GCMS6

Method Path : C:\msdchem\1\METHODS\
 Method File : VF200415G.M
 Title : NWTPH-Gx by GC/MS
 Last Update : Fri Apr 17 13:57:44 2020
 Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	50	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041527.D
2	2	100	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041528.D
3	3	250	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041529.D
4	4	500	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041530.D
5	5	1000	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041531.D
6	6	2500	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041532.D
7	7	5000	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041533.D
8	8	10000	50	C:\msdchem\1\DATA\2020-04\0D15055\VF20041534.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 17 13:56 2020	Apr 17 13:52 2020	16 Apr 2020 4:59 pm
2	2	Apr 17 13:56 2020	Apr 17 13:52 2020	16 Apr 2020 5:26 pm
3	3	Apr 17 13:56 2020	Apr 17 13:52 2020	16 Apr 2020 5:53 pm
4	4	Apr 17 13:56 2020	Apr 17 13:52 2020	16 Apr 2020 6:20 pm
5	5	Apr 17 13:56 2020	Apr 17 13:52 2020	16 Apr 2020 6:47 pm
6	6	Apr 17 13:56 2020	Apr 17 13:52 2020	16 Apr 2020 7:14 pm
7	7	Apr 17 13:56 2020	Apr 17 13:54 2020	16 Apr 2020 7:41 pm
8	8	Apr 17 13:56 2020	Apr 17 13:55 2020	16 Apr 2020 8:08 pm

VF200415G.M Fri Apr 17 14:04:07 2020

Method Path.: C:\msdchem\1\METHODS\
 Method File : VF200415G.M
 Title : NWTPH-Gx by GC/MS
 Last Update : Fri Apr 17 13:57:44 2020
 Response Via : Initial Calibration

Calibration Files
 1 =VF20041527.D 2 =VF20041528.D 3 =VF20041529.D 4 =VF20041530.D 5 =VF20041531.D 6 =VF20041532.D
 7 =VF20041533.D 8 =VF20041534.D

Compound	1	2	3	4	5	6	7	8	Avg	%RSD
-----ISTD-----										
1) I Pentafluorobenzene...										
2) S 1,4-Difluorobe...	4.158	4.242	4.133	4.177	4.224	4.546	5.051	5.581	4.514	11.75
3) S 4-Bromofluorob...	3.280	3.267	3.333	3.230	3.344	3.360	3.319	3.175	3.288	1.92
4) S Chlorobenzene-...									0.000	-1.00
5) H NWTPH-Gx	1.923	1.748	1.855	2.064	2.172	2.338	2.396	2.499	2.124	12.84
6) H TPHg (C5-C9)	4.063	3.239	2.836	2.789	2.816	2.943	2.874	2.917	3.060	14.03
7) H TPHg (C6-C10)	3.724	2.750	2.393	2.459	2.456	2.520	2.486	2.554	2.668	16.49
8) H CA-LUFT (C5-C12)	4.406	3.624	3.290	3.246	3.336	3.560	3.552	3.641	3.582	10.25
9) Benzene (NR)									0.000	-1.00
10) S Toluene-d8 (NR)									0.000	-1.00
11) C Toluene (NR)									0.000	-1.00
12) S 1,4-Dichlorobe...									0.000	-1.00
13) Naphthalene (NR)									0.000	-1.00

(#) = Out of Range

Compound List Report VOA-GCMS6

Method Path : C:\msdchem\1\METHODS\
 Method File : VF200415G.M
 Title : NWTPH-Gx by GC/MS
 Last Update : Fri Apr 17 13:57:44 2020
 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	6.022	1.000	A	2	A	A
2	S 1,4-Difluorobenzene (Sur)	TIC	6.582	1.093	A	2	A	A
3	S 4-Bromofluorobenzene (Sur)	TIC	10.816	1.796	A	2	A	A
4	S Chlorobenzene-d5 (NR)	TIC	9.745	1.618	A	2	A	A
5	H NWTPH-Gx	TIC	9.745	1.618	Q	0	A	A
6	H TPHg (C5-C9)	TIC	9.745	1.618	Q	0	A	A
7	H TPHg (C6-C10)	TIC	9.745	1.618	Q	0	A	A
8	H CA-LUFT (C5-C12)	TIC	9.745	1.618	Q	0	A	A
9	Benzene (NR)	78	5.931	0.985	A	2	A	A
10	S Toluene-d8 (NR)	TIC	8.090	1.343	A	2	A	A
11	C Toluene (NR)	91	8.145	1.353	A	2	A	A
12	S 1,4-Dichlorobenzene-d4 (NR)	TIC	11.698	1.943	A	2	A	A
13	Naphthalene (NR)	128	13.444	2.232	A	2	A	A

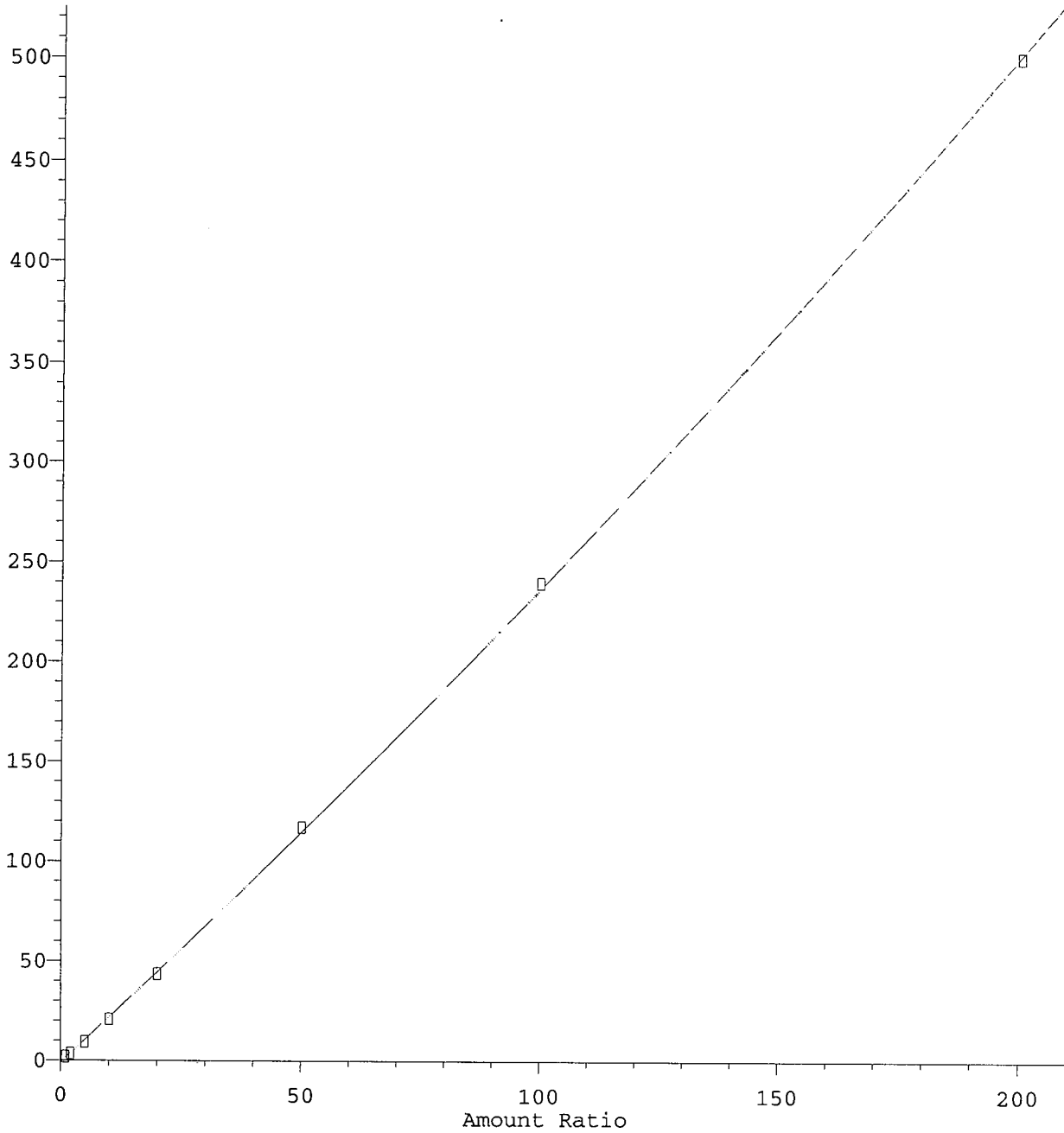
1/a
↓

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

VF200415G.M Fri Apr 17 14:04:21 2020

NWTPH-Gx

Response Ratio



$R = 1.35e-003 A^2 + 2.24e+000 A - 7.76e-001$
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)

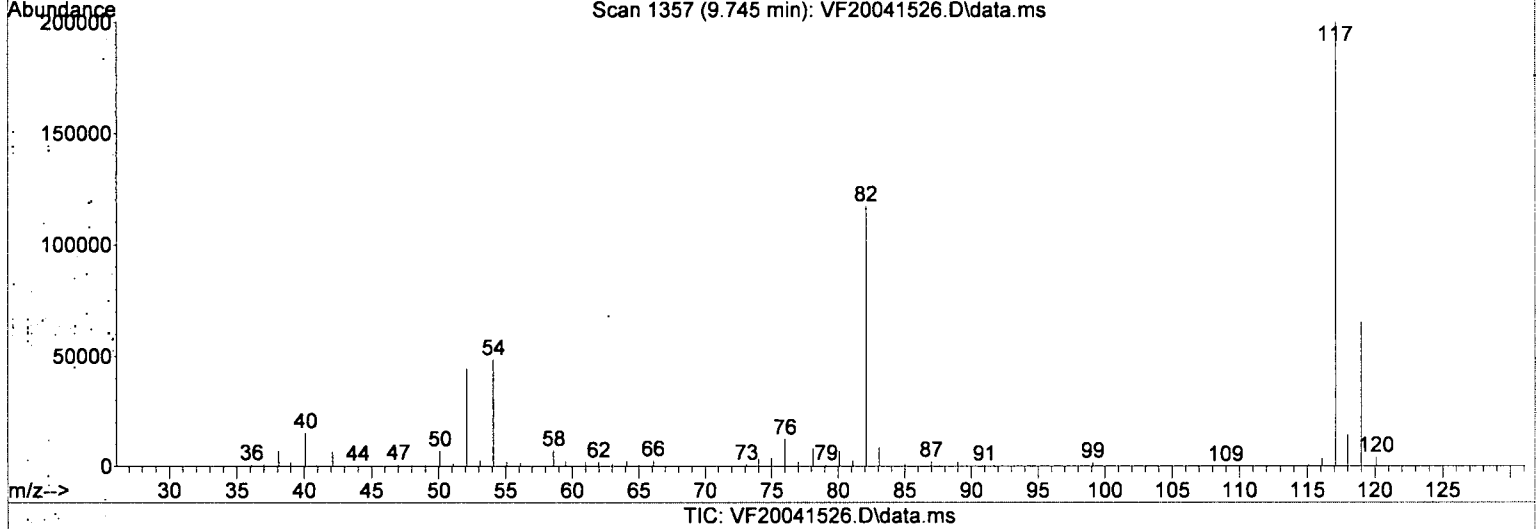
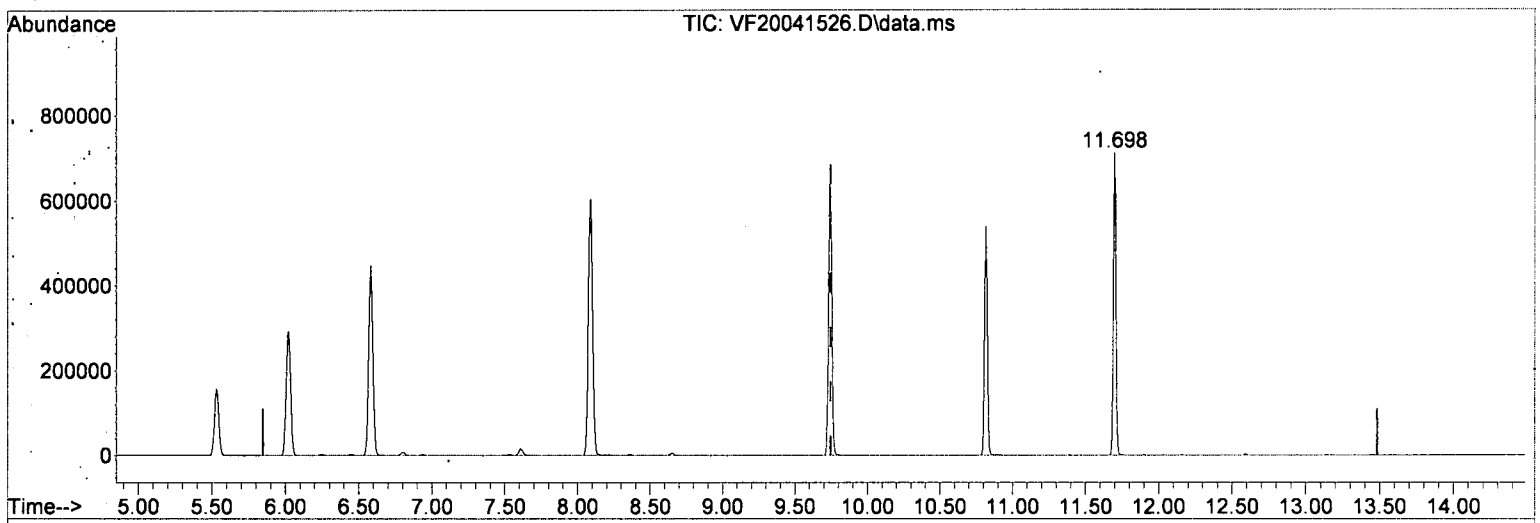
Method Name: C:\msdchem\1\METHODS\VF200415G.M
Calibration Table Last Updated: Fri Apr 17 13:57:44 2020

Int = 27.40

Quantitation Report (Qedit)

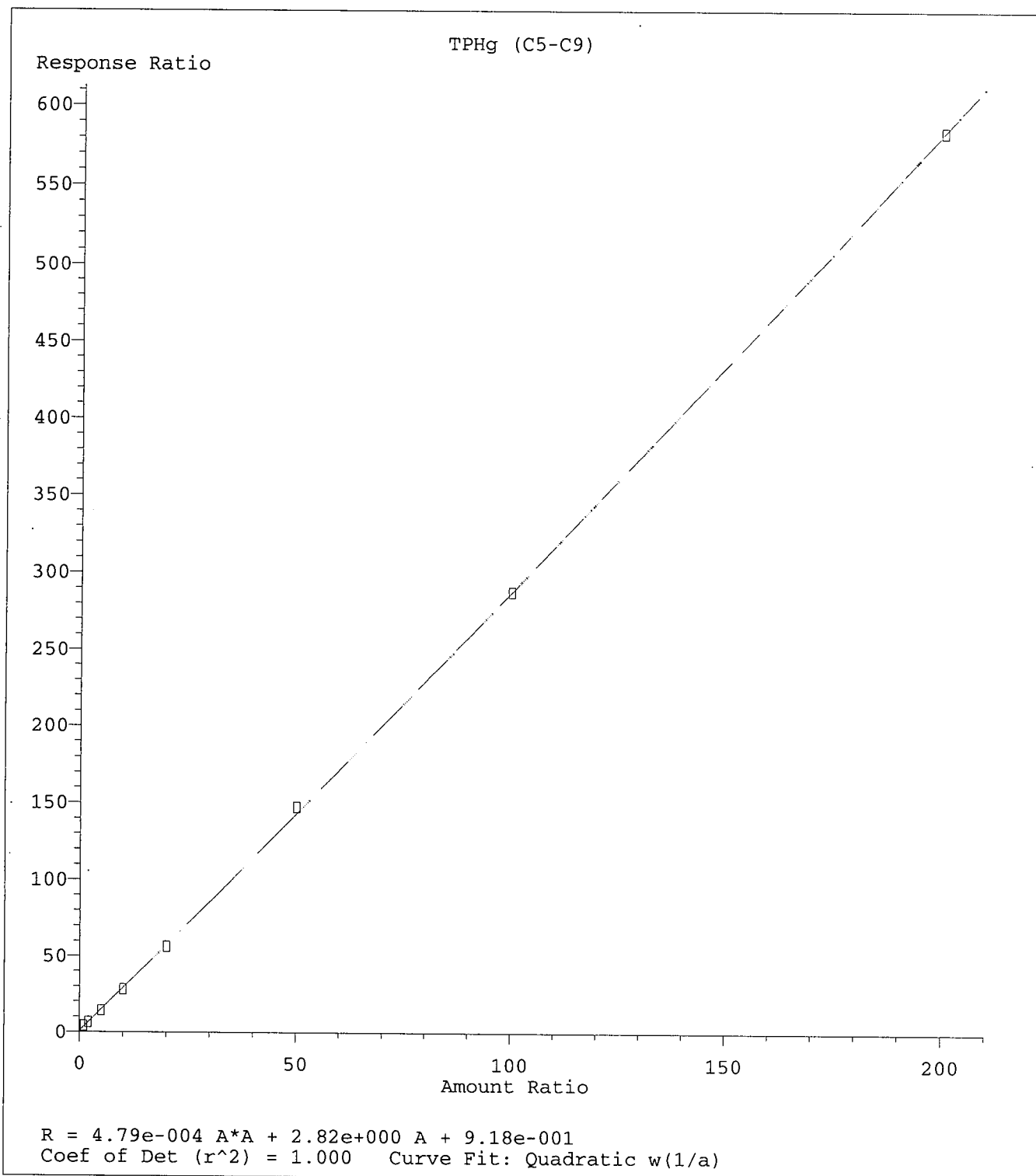
Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041526.D
Acq On : 16 Apr 2020 4:31 pm
Operator : tb
Sample : 0D15055-ICB2
Misc. : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:43 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



(5) NWTPH-Gx (H)
9.745min (0.000) 27.40 ug/L m
response 99783

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00



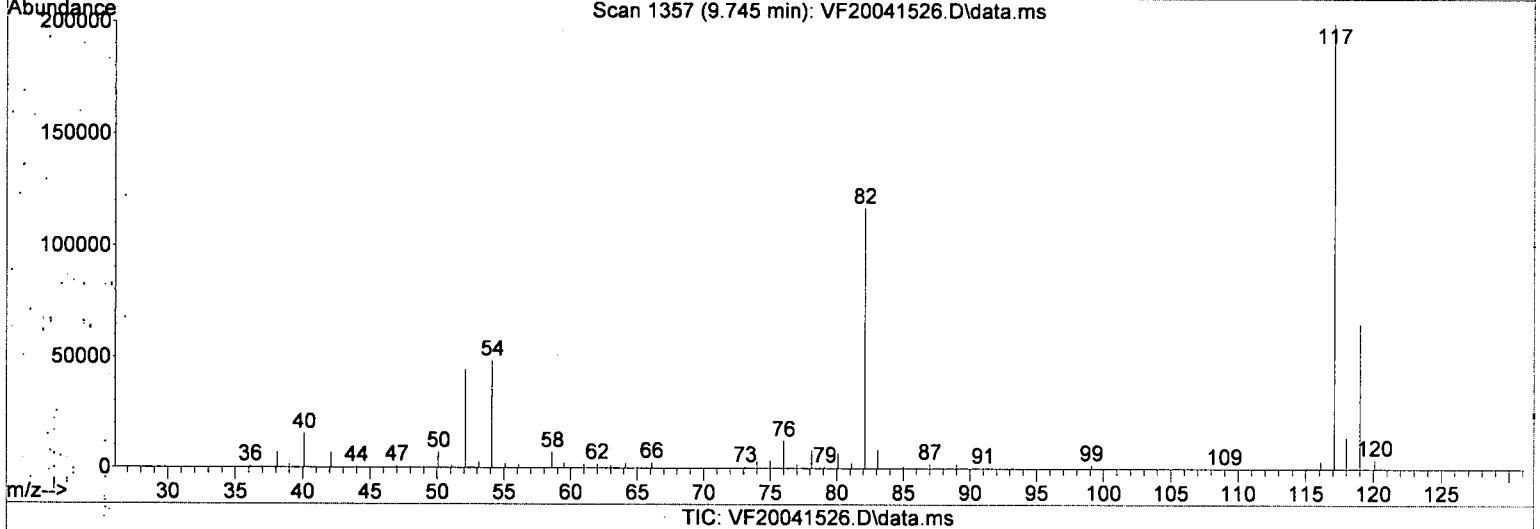
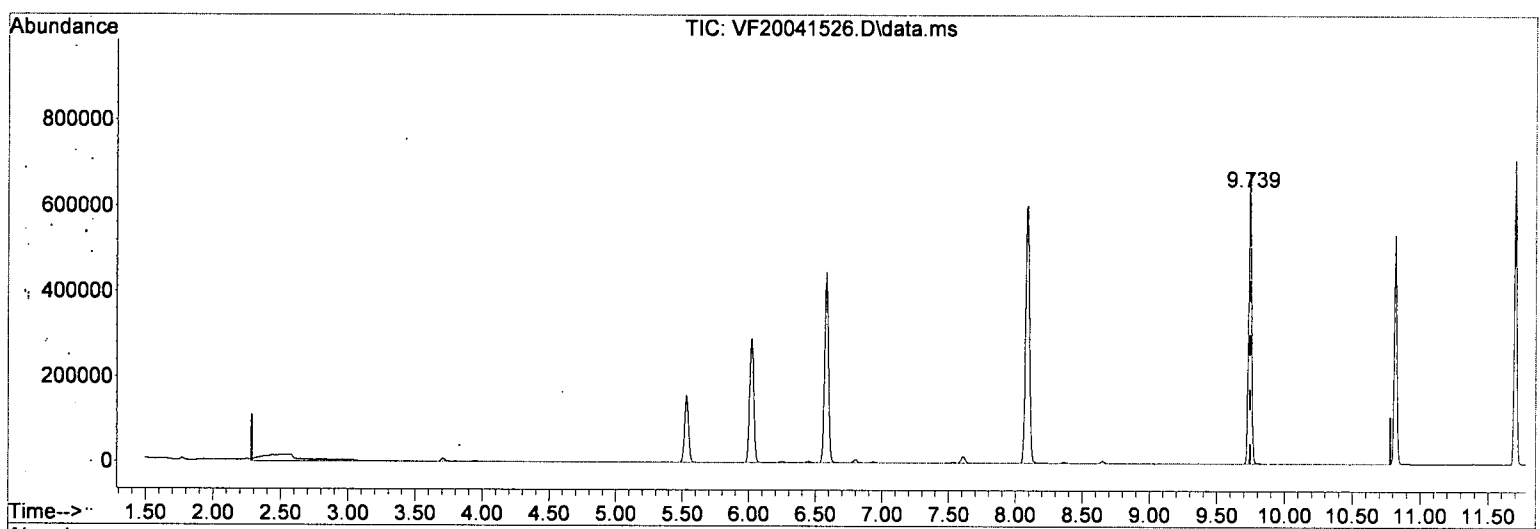
Method Name: C:\msdchem\1\METHODS\VF200415G.M
 Calibration Table Last Updated: Fri Apr 17 13:57:44 2020

Int = 21.39

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041526.D
Acq On : 16 Apr 2020 4:31 pm
Operator : tb
Sample : 0D15055-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:43 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPh-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration

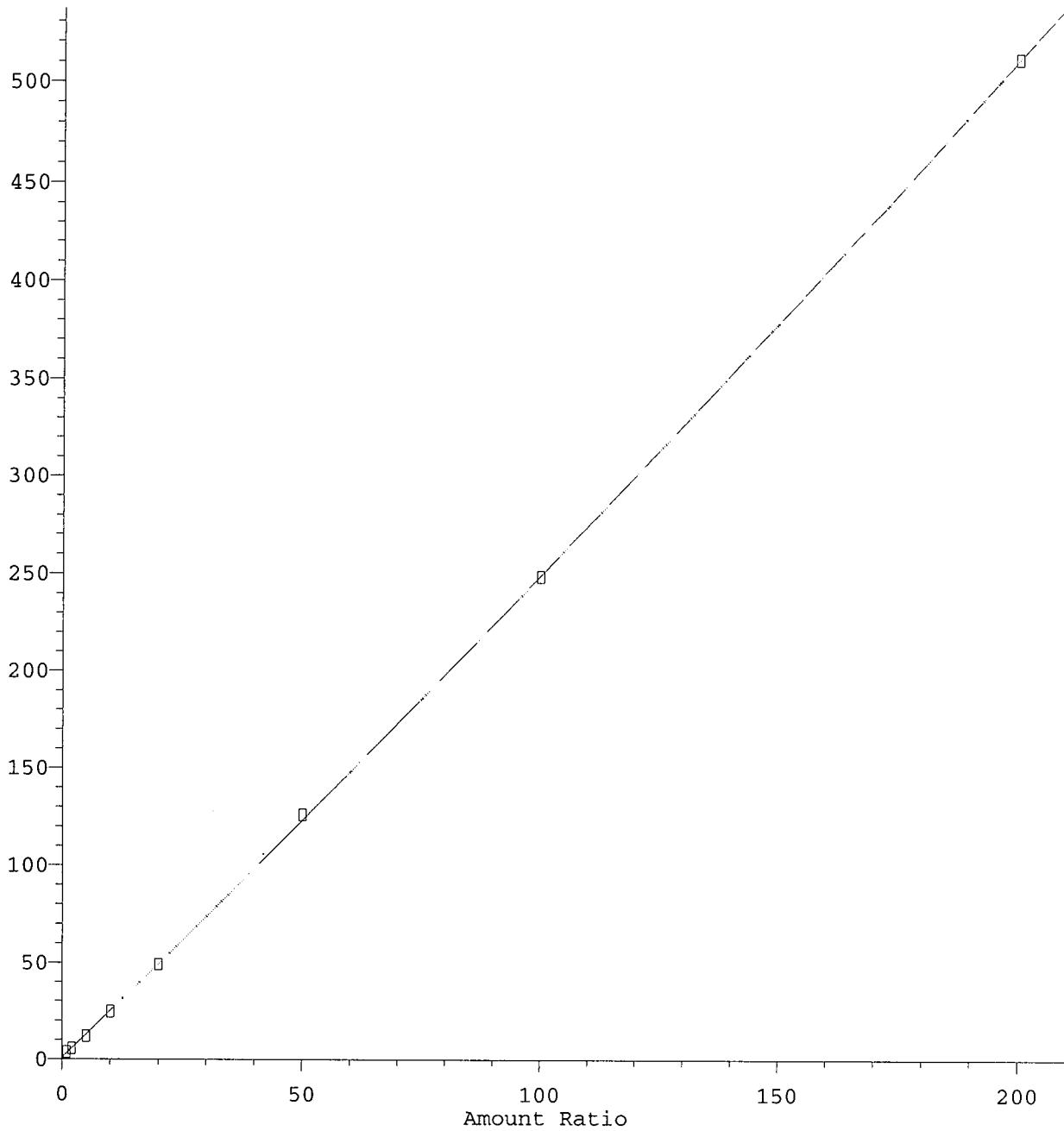


(6) TPHg (C5-C9) (H)
9.745min (0.000) 21.39 ug/L m
response 467948

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

TPHg (C6-C10)

Response Ratio



$R = 6.92e-004 A^2 + 2.41e+000 A + 9.40e-001$
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)

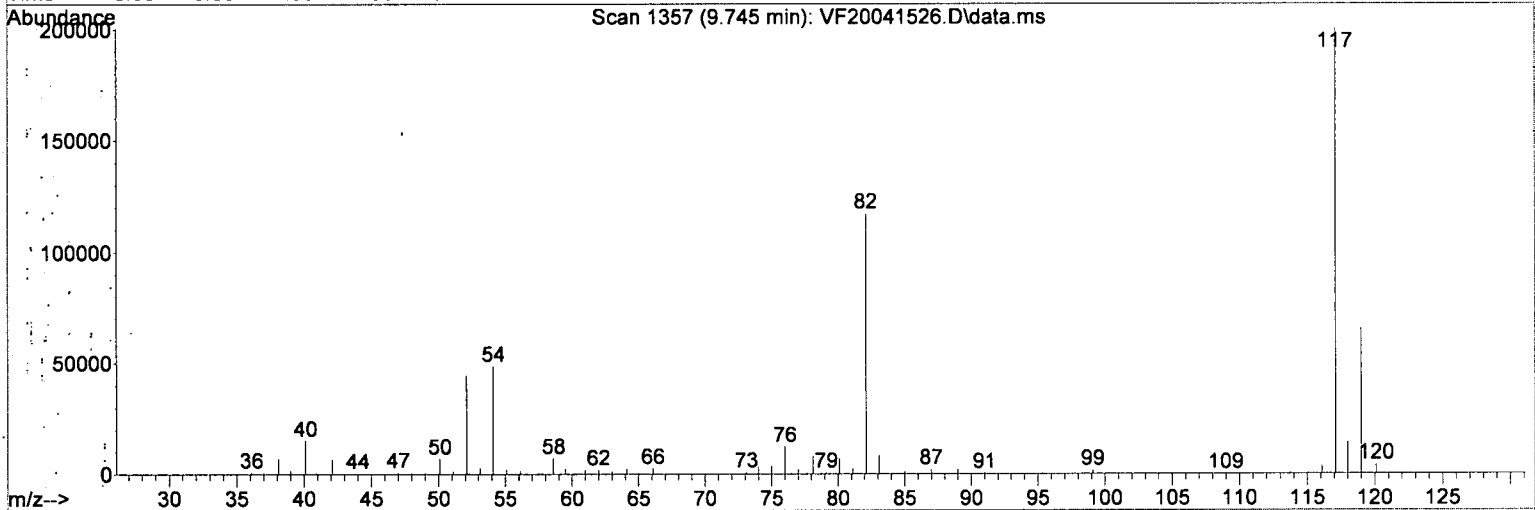
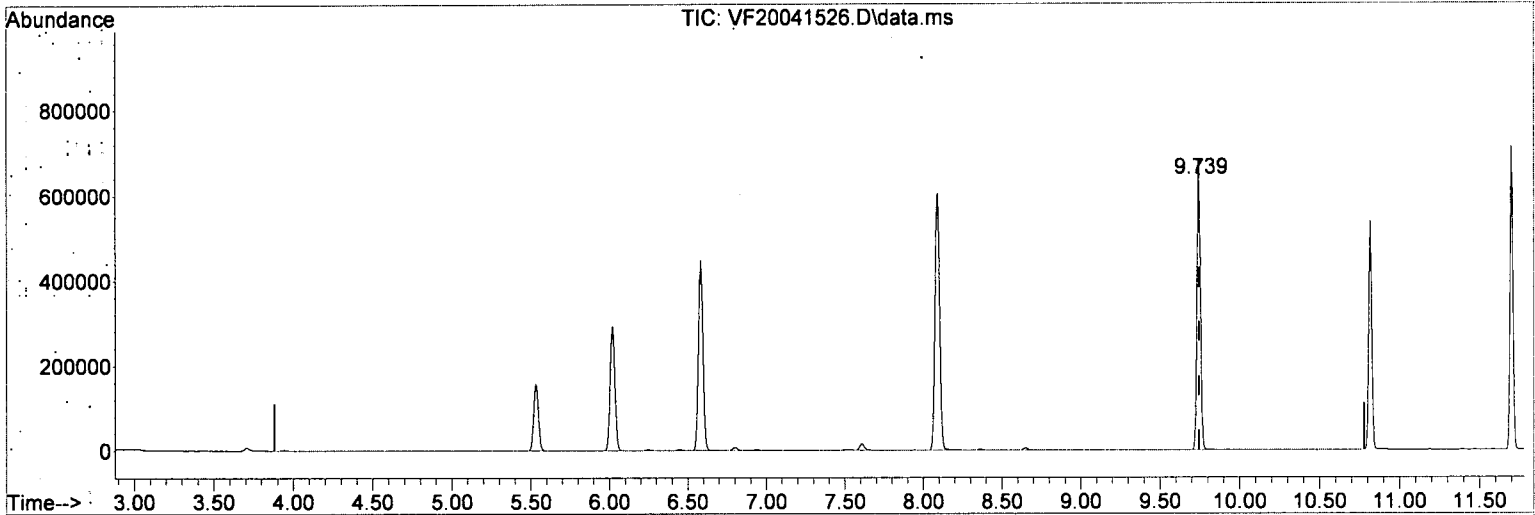
Method Name: C:\msdchem\1\METHODS\VF200415G.M
Calibration Table Last Updated: Fri Apr 17 13:57:44 2020

Int = 21.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041526.D
 Acq On : 16 Apr 2020 4:31 pm
 Operator : tb
 Sample : 0D15055-ICB2
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 26 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration



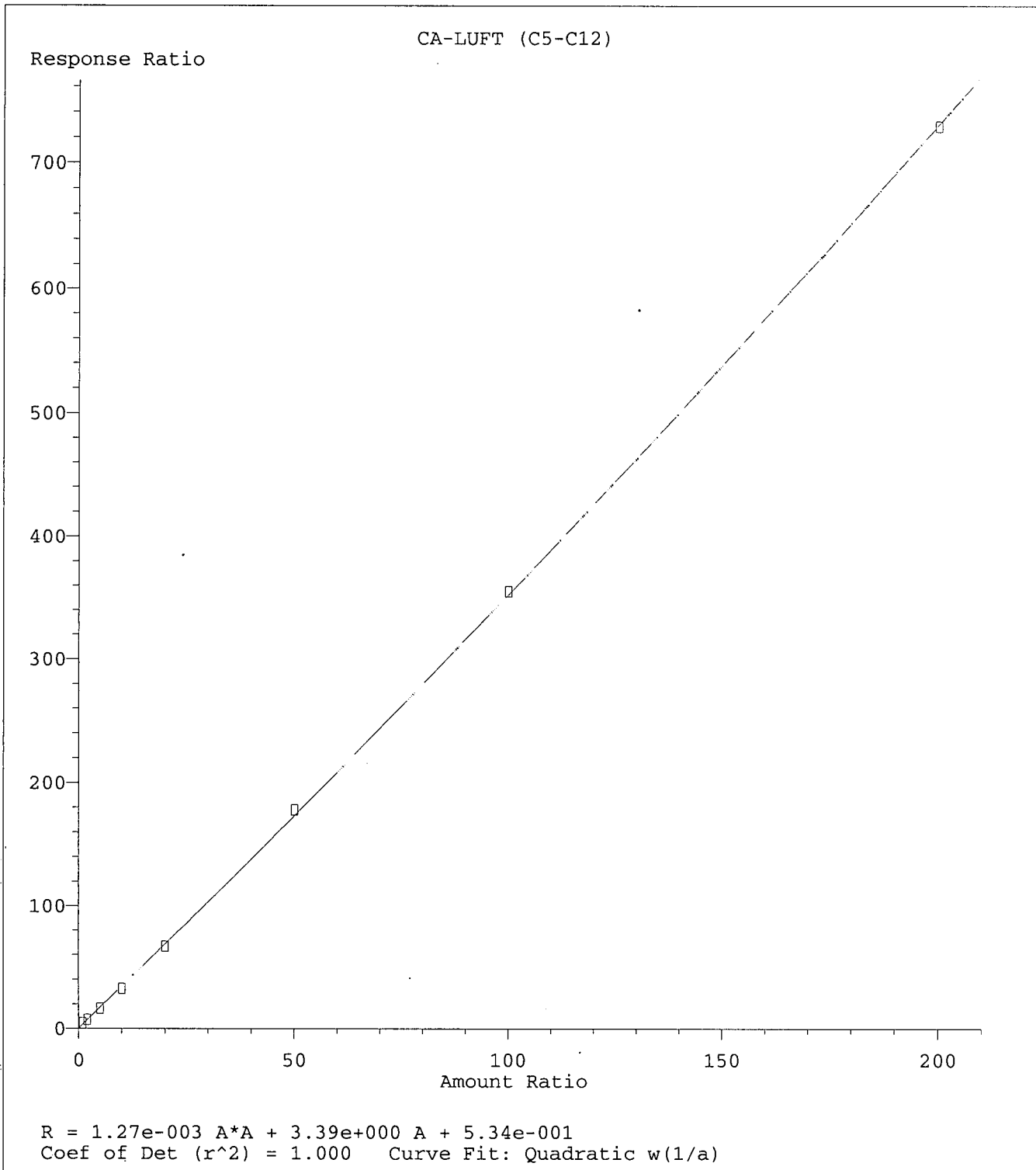
TIC: VF20041526.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 21.20 ug/L m

response 432460

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00



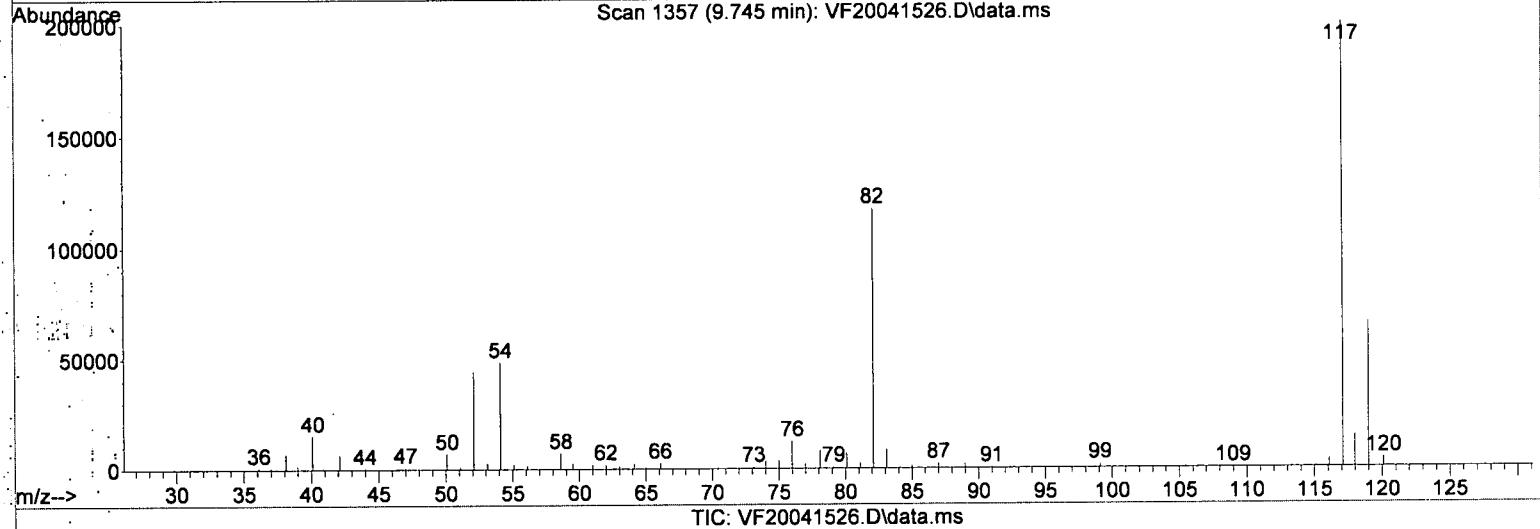
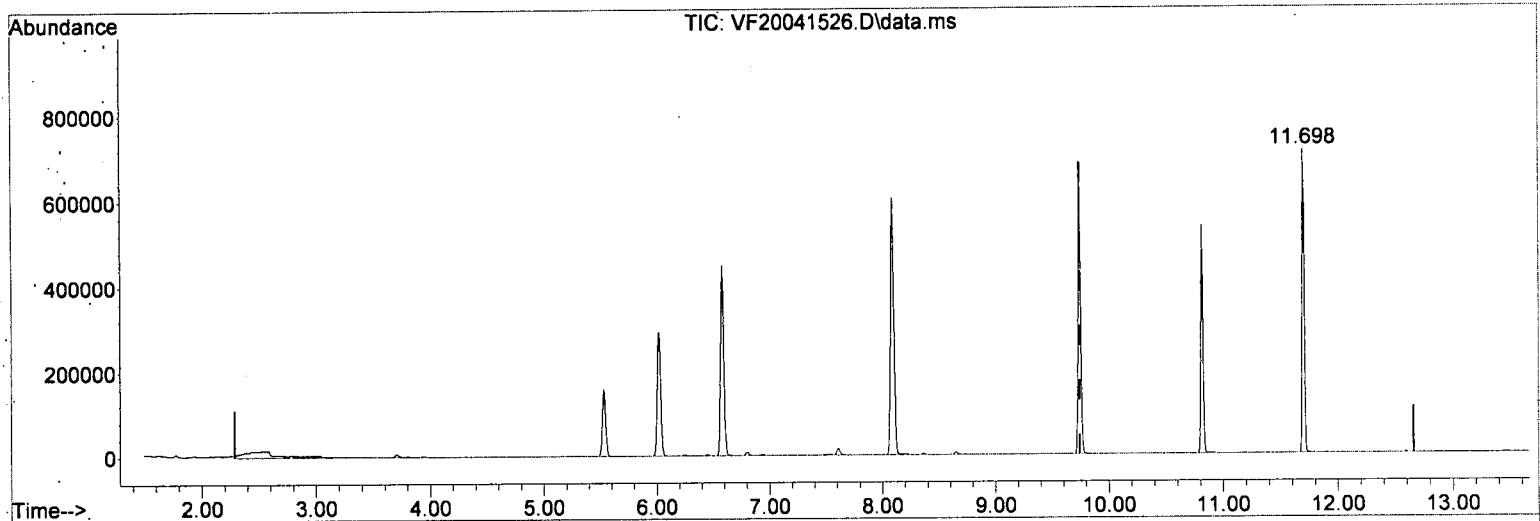
Method Name: C:\msdchem\1\METHODS\VF200415G.M
 Calibration Table Last Updated: Fri Apr 17 13:57:44 2020

Int = 23.42

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041526.D
 Acq On : 16 Apr 2020 4:31 pm
 Operator : tb
 Sample : 0D15055-ICB2
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 26 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration



(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 23.42 ug/L m

response 467948

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D15055

Seq. Date: 4/16/2020

SEQUENCE LOG

<u>SampleID</u>	<u>Analysis</u>	<u>Matrix</u>	<u>STDID</u>	<u>Analyzed</u>
0D15055-TUN2	8015D-Mod Gasoline (C6-C10) by	Soil		4/16/2020 3:37:00PM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0D15055-ICB2	8015D-Mod Gasoline (C6-C10) by	Soil		4/16/2020 4:31:00PM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0D15055-CALC	8015D-Mod Gasoline (C6-C10) by	Soil	A20B402	4/16/2020 4:59:00PM
"	+CA LUFT GRO	"	A20B402	"
"	+NWTPH-Gx	"	A20B402	"
0D15055-CALD	8015D-Mod Gasoline (C6-C10) by	Soil	A20B403	4/16/2020 5:26:00PM
"	+CA LUFT GRO	"	A20B403	"
"	+NWTPH-Gx	"	A20B403	"
0D15055-CALE	8015D-Mod Gasoline (C6-C10) by	Soil	A20B404	4/16/2020 5:53:00PM
"	+CA LUFT GRO	"	A20B404	"
"	+NWTPH-Gx	"	A20B404	"
0D15055-CALF	8015D-Mod Gasoline (C6-C10) by	Soil	A20B405	4/16/2020 6:20:00PM
"	+CA LUFT GRO	"	A20B405	"
"	+NWTPH-Gx	"	A20B405	"
0D15055-CALG	8015D-Mod Gasoline (C6-C10) by	Soil	A20B406	4/16/2020 6:47:00PM
"	+CA LUFT GRO	"	A20B406	"
"	+NWTPH-Gx	"	A20B406	"
0D15055-CALH	8015D-Mod Gasoline (C6-C10) by	Soil	A20B407	4/16/2020 7:14:00PM
"	+CA LUFT GRO	"	A20B407	"
"	+NWTPH-Gx	"	A20B407	"
0D15055-CALI	8015D-Mod Gasoline (C6-C10) by	Soil	A20B408	4/16/2020 7:41:00PM
"	+CA LUFT GRO	"	A20B408	"
"	+NWTPH-Gx	"	A20B408	"
0D15055-CALJ	8015D-Mod Gasoline (C6-C10) by	Soil	A20B409	4/16/2020 8:08:00PM
"	+CA LUFT GRO	"	A20B409	"
"	+NWTPH-Gx	"	A20B409	"
0D15055-ICV2	8015D-Mod Gasoline (C6-C10) by	Soil	A20A357	4/16/2020 9:30:00PM
"	+CA LUFT GRO	"	A20A357	"
"	+NWTPH-Gx	"	A20A357	"

CALIBRATION STANDARD RECOVERIES

Calibration: A0D1705

Instrument: VOA-GCMS6

8015D-Mod Gasoline (C6-C10)

Sequence: 0D15055

Matrix: Soil

	<u>Inst. MRL</u>	<u>Recalc Res.</u>	<u>Cal Level</u>	<u>%Rec.</u>	<u>Qual</u>
0D15055-CALC					
0D15055-CALD					
0D15055-CALE					
0D15055-CALF					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D15055

Seq. Date: 4/16/2020

0D15055-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D15055-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D15055-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D15055-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 quadratic fit compounds.

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>MRL</u>	<u>Recalc Value</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
		_____	<input type="checkbox"/>	<input type="checkbox"/> _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (85-115 or as specified).

ICV RECOVERIES

Calibration: A0D1705

Instrument: VOA-GCMS6

NWTPH-Gx

Sequence: 0D15055

Matrix: Soil

0D15055-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.

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041537.D
 Acq On : 16 Apr 2020 9:30 pm
 Operator : tb
 Sample : 0D15055-ICV2
 Misc : 1X 500ppb 5mL DI+MeOH
 ALS Vial : 37 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

Quant Time: Apr 17 14:05:49 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 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	110	0.00
2 S	1,4-Difluorobenzene (Sur)	50.000	45.311	9.4	108	0.00
3 S	4-Bromofluorobenzene (Sur)	50.000	50.800	-1.6	114	0.00
4 S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	108	0.00
5 H	NWTPH-Gx	500.000	442.225	11.6	102	0.00
6 H	TPHg (C5-C9)	500.000	417.242	16.6	96	0.00
7 H	TPHg (C6-C10)	500.000	429.746	14.1	97	0.00
8 H	CA-LUFT (C5-C12)	500.000	421.693	15.7	99	0.00
9	Benzene (NR)	-1.000	0.000	0.0	102	0.00
10 S	Toluene-d8 (NR)	-1.000	0.000	0.0	107	0.00
11 C	Toluene (NR)	-1.000	0.000	0.0	100	0.00
12 S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	115	0.00
13	Naphthalene (NR)	-1.000	0.000	0.0	130	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date:

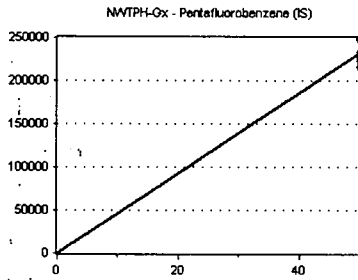
04/17/2020

Analysis: **NWTPH-Gx**

Instrument Cal ID: **VF200415S VF200415G**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

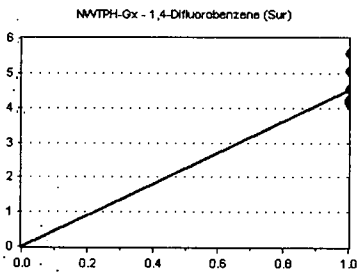


Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	216469	4329.380	6.02
OD15055-CALD	50	233750	4675.000	6.03
OD15055-CALE	50	228504	4570.080	6.03
OD15055-CALF	50	225946	4518.920	6.02
OD15055-CALG	50	222546	4450.920	6.03
OD15055-CALH	50	234322	4686.440	6.02
OD15055-CALI	50	248461	4969.220	6.02
OD15055-CALJ	50	247528	4950.560	6.03

AVE RF 4643.815 RF RSD 4.88 AVE RT 6.02

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

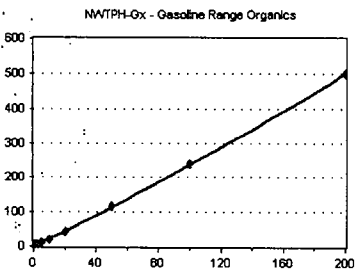


Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	900161	4.158	6.58
OD15055-CALD	50	991569	4.242	6.59
OD15055-CALE	50	944418	4.133	6.59
OD15055-CALF	50	943774	4.177	6.58
OD15055-CALG	50	939947	4.224	6.59
OD15055-CALH	50	1065187	4.546	6.58
OD15055-CALI	50	1254989	5.051	6.58
OD15055-CALJ	50	1381377	5.581	6.59

AVE RF 4.514 RF RSD 11.75 AVE RT 6.58

Gasoline Range Organics

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

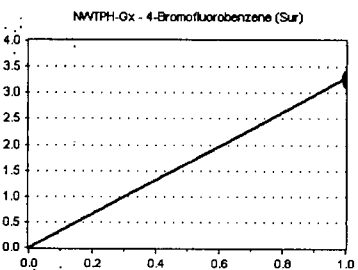


Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	416204	1.923	9.75
OD15055-CALD	100	816996	1.748	9.75
OD15055-CALE	250	2119758	1.855	9.75
OD15055-CALF	500	4664474	2.064	9.75
OD15055-CALG	1000	9667755	2.172	9.75
OD15055-CALH	2500	2.739777E+07	2.338	9.75
OD15055-CALI	5000	5.953458E+07	2.396	9.75
OD15055-CALJ	10000	1.236909E+08	2.499	9.75

AVE RF 2.124 RF RSD 12.84 AVE RT 9.75

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	710024	3.280	10.82
OD15055-CALD	50	763696	3.267	10.81
OD15055-CALE	50	761491	3.333	10.81
OD15055-CALF	50	729891	3.230	10.82
OD15055-CALG	50	744131	3.344	10.81
OD15055-CALH	50	787383	3.360	10.82
OD15055-CALI	50	824553	3.319	10.81
OD15055-CALJ	50	785895	3.175	10.81

AVE RF 3.288 RF RSD 1.92 AVE RT 10.81

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date:

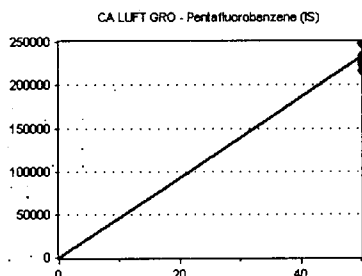
04/17/2020

Analysis: **CA LUFT GRO**

Instrument Cal ID: **VF200415S VF200415G**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

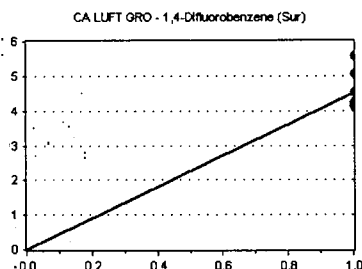


Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	216469	4329.380	6.02
OD15055-CALD	50	233750	4675.000	6.03
OD15055-CALE	50	228504	4570.080	6.03
OD15055-CALF	50	225946	4518.920	6.02
OD15055-CALG	50	222546	4450.920	6.03
OD15055-CALH	50	234322	4686.440	6.02
OD15055-CALI	50	248461	4969.220	6.02
OD15055-CALJ	50	247528	4950.560	6.03

AVE RF 4643.815 RF RSD 4.88 AVE RT 6.02

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

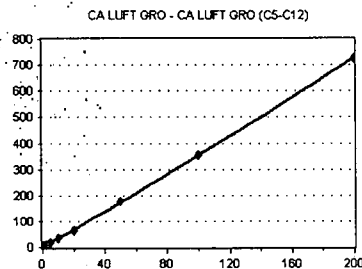


Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	900161	4.158	6.58
OD15055-CALD	50	991569	4.242	6.59
OD15055-CALE	50	944418	4.133	6.59
OD15055-CALF	50	943774	4.177	6.58
OD15055-CALG	50	939947	4.224	6.59
OD15055-CALH	50	1065187	4.546	6.58
OD15055-CALI	50	1254989	5.051	6.58
OD15055-CALJ	50	1381377	5.581	6.59

AVE RF 4.514 RF RSD 11.75 AVE RT 6.58

CA LUFT GRO (C5-C12)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: ignore**

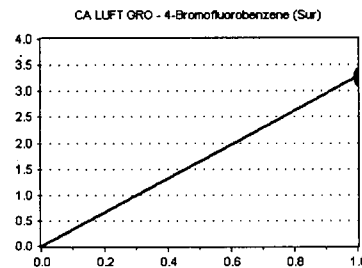


Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	953720	4.406	9.75
OD15055-CALD	100	1694263	3.624	9.75
OD15055-CALE	250	3758606	3.290	9.75
OD15055-CALF	500	7334274	3.246	9.75
OD15055-CALG	1000	1.485018E+07	3.336	9.75
OD15055-CALH	2500	4.171E+07	3.560	9.75
OD15055-CALI	5000	8.82479E+07	3.552	9.75
OD15055-CALJ	10000	1.802286E+08	3.641	9.75

AVE RF 3.582 RF RSD 10.25 AVE RT 9.75

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	710024	3.280	10.82
OD15055-CALD	50	763696	3.267	10.81
OD15055-CALE	50	761491	3.333	10.81
OD15055-CALF	50	729891	3.230	10.82
OD15055-CALG	50	744131	3.344	10.81
OD15055-CALH	50	787383	3.360	10.82
OD15055-CALI	50	824553	3.319	10.81
OD15055-CALJ	50	785895	3.175	10.81

AVE RF 3.288 RF RSD 1.92 AVE RT 10.81

Element Calibration Review Sheet

Calibration ID: **A0D1705**

Instrument: **VOA-GCMS6**

Calibration Date: **04/17/2020**

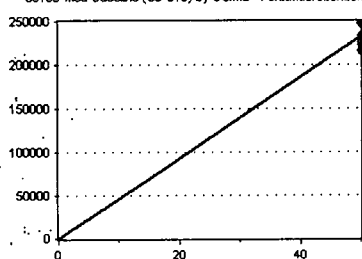
Analysis: **8015D-Mod Gasoline (C6-C1)**

Instrument Cal ID: **VF200415S VF200415G**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

8015D-Mod Gasoline (C6-C10) by GCMS - Pentafluorobenzene



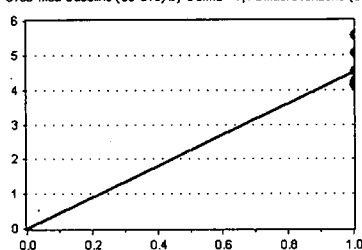
Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	216469	4329.380	6.02
OD15055-CALD	50	233750	4675.000	6.03
OD15055-CALE	50	228504	4570.080	6.03
OD15055-CALF	50	225946	4518.920	6.02
OD15055-CALG	50	222546	4450.920	6.03
OD15055-CALH	50	234322	4686.440	6.02
OD15055-CALI	50	248461	4969.220	6.02
OD15055-CALJ	50	247528	4950.560	6.03

AVE RF 4643.815 RF RSD 4.88 AVE RT 6.02

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

015D-Mod Gasoline (C6-C10) by GCMS - 1,4-Difluorobenzene (Su



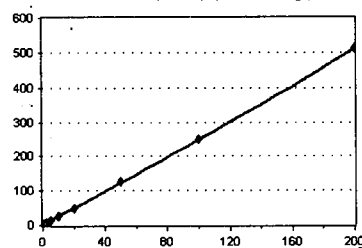
Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	900161	4.158	6.58
OD15055-CALD	50	991569	4.242	6.59
OD15055-CALE	50	944418	4.133	6.59
OD15055-CALF	50	943774	4.177	6.58
OD15055-CALG	50	939947	4.224	6.59
OD15055-CALH	50	1065187	4.546	6.58
OD15055-CALI	50	1254989	5.051	6.58
OD15055-CALJ	50	1381377	5.581	6.59

AVE RF 4.514 RF RSD 11.75 AVE RT 6.58

TPHg (C6-C10)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

8015D-Mod Gasoline (C6-C10) by GCMS - TPHg (C6-C10)



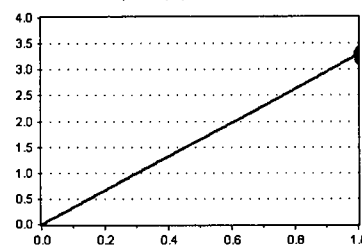
Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	806081	3.724	9.75
OD15055-CALD	100	1285452	2.750	9.75
OD15055-CALE	250	2733772	2.393	9.75
OD15055-CALF	500	5555252	2.459	9.75
OD15055-CALG	1000	1.093353E+07	2.456	9.75
OD15055-CALH	2500	2.951894E+07	2.520	9.75
OD15055-CALI	5000	6.176879E+07	2.486	9.75
OD15055-CALJ	10000	1.264419E+08	2.554	9.75

AVE RF 2.668 RF RSD 16.49 AVE RT 9.75

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

015D-Mod Gasoline (C6-C10) by GCMS - 4-Bromofluorobenzene (



Standard	Concentration	Response	Response Factor	RT
OD15055-CALC	50	710024	3.280	10.82
OD15055-CALD	50	763696	3.267	10.81
OD15055-CALE	50	761491	3.333	10.81
OD15055-CALF	50	729891	3.230	10.82
OD15055-CALG	50	744131	3.344	10.81
OD15055-CALH	50	787383	3.360	10.82
OD15055-CALI	50	824553	3.319	10.81
OD15055-CALJ	50	785895	3.175	10.81

AVE RF 3.288 RF RSD 1.92 AVE RT 10.81

Injection Log

Directory: k:\DATA\2020-04\0D15055

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Vf20041501.d	1.	0D15055-IBL1	1X 5mL DI+MeOH	15 Apr 2020 18:59
2	2	Vf20041502.d	1.	0D15055-IBL2	1X 5mL DI+MeOH	15 Apr 2020 19:27
3	3	Vf20041503.d	1.	0D15055-TUN1	1X 5mL A19L228 B...	15 Apr 2020 19:54
4	4	Vf20041504.d	1.	0D15055-ICB1	1X 5mL DI+MeOH	15 Apr 2020 20:21
5	5	Vf20041505.d	1.	0D15055-CAL1	1X 0.1ppb 5mL ...	15 Apr 2020 20:48
6	6	Vf20041506.d	1.	0D15055-CAL2	1X 0.2ppb 5mL ...	15 Apr 2020 21:15
7	7	Vf20041507.d	1.	0D15055-CAL3	1X 0.4ppb 5mL ...	15 Apr 2020 21:42
8	8	Vf20041508.d	1.	0D15055-CAL4	1X 1ppb 5mL D...	15 Apr 2020 22:09
9	9	Vf20041509.d	1.	0D15055-CAL5	1X 2ppb 5mL D...	15 Apr 2020 22:36
10	10	Vf20041510.d	1.	0D15055-CAL6	1X 5ppb 5mL D...	15 Apr 2020 23:03
11	11	Vf20041511.d	1.	0D15055-CAL7	1X 10ppb 5mL ...	15 Apr 2020 23:30
12	12	Vf20041512.d	1.	0D15055-CAL8	1X 20ppb 5mL ...	15 Apr 2020 23:57
13	13	Vf20041513.d	1.	0D15055-CAL9	1X 50ppb 5mL ...	16 Apr 2020 00:25
14	14	Vf20041514.d	1.	0D15055-IBL3	1X 5mL DI+MeOH	16 Apr 2020 00:52
15	15	Vf20041515.d	1.	0D15055-CALA	1X 100ppb 5mL ...	16 Apr 2020 01:19
16	16	Vf20041516.d	1.	0D15055-IBL4	1X 5mL DI+MeOH	16 Apr 2020 01:46
17	17	Vf20041517.d	1.	0D15055-CALB	1X 200ppb 5mL ...	16 Apr 2020 02:13
18	18	Vf20041518.d	1.	0D15055-IBL5	1X 5mL DI+MeOH	16 Apr 2020 02:40
19	19	Vf20041519.d	1.	0D15055-IBL6	1X 5mL DI+MeOH	16 Apr 2020 03:07
20	20	Vf20041520.d	1.	0D15055-ICV1	1X 20ppb 5mL ...	16 Apr 2020 03:34
21	21	Vf20041521.d	1.	0D15055-IBL7	1X 5mL DI+MeOH	16 Apr 2020 04:01
22	22	Vf20041522.d	1.	0D15055-IBL8	1X 5mL DI+MeOH	16 Apr 2020 14:42
23	23	Vf20041523.d	1.	0D15055-IBL9	1X 5mL DI+MeOH	16 Apr 2020 15:09
24	24	Vf20041524.d	1.	0D15055-TUN2	1X 5mL A19L228 B... RT	16 Apr 2020 15:37
25	25	Vf20041525.d	1.	0D15055-IBLA	1X 5mL DI+MeOH	16 Apr 2020 16:04
26	26	Vf20041526.d	1.	0D15055-ICB2	1X 5mL DI+MeOH	16 Apr 2020 16:31
27	27	Vf20041527.d	1.	0D15055-CALC	1X 50ppb 5mL D...	16 Apr 2020 16:59
28	28	Vf20041528.d	1.	0D15055-CALD	1X 100ppb 5mL ...	16 Apr 2020 17:26
29	29	Vf20041529.d	1.	0D15055-CALE	1X 250ppb 5mL ...	16 Apr 2020 17:53
30	30	Vf20041530.d	1.	0D15055-CALF	1X 500ppb 5mL ...	16 Apr 2020 18:20
31	31	Vf20041531.d	1.	0D15055-CALG	1X 1000ppb 5mL ...	16 Apr 2020 18:47
32	32	Vf20041532.d	1.	0D15055-CALH	1X 2500ppb 5mL ...	16 Apr 2020 19:14
33	33	Vf20041533.d	1.	0D15055-CALI	1X 5000ppb 5mL ...	16 Apr 2020 19:41
34	34	Vf20041534.d	1.	0D15055-CALJ	1X 10000ppb 5mL ...	16 Apr 2020 20:08
35	35	Vf20041535.d	1.	0D15055-IBLA	1X 5mL DI+MeOH	16 Apr 2020 20:36
36	36	Vf20041536.d	1.	0D15055-IBLB	1X 5mL DI+MeOH	16 Apr 2020 21:03
37	37	Vf20041537.d	1.	0D15055-ICV2	1X 500ppb 5mL ...	16 Apr 2020 21:30
38	38	Vf20041538.d	1.	0D15055-IBLC	1X 5mL DI+MeOH	16 Apr 2020 21:57

Handwritten: 4/17/20

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041501.D
 Acq On : 15 Apr 2020 6:59 pm
 Operator : tb
 Sample : 0D15055-IBL1
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

NR

Quant Time: Apr 17 13:35:24 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

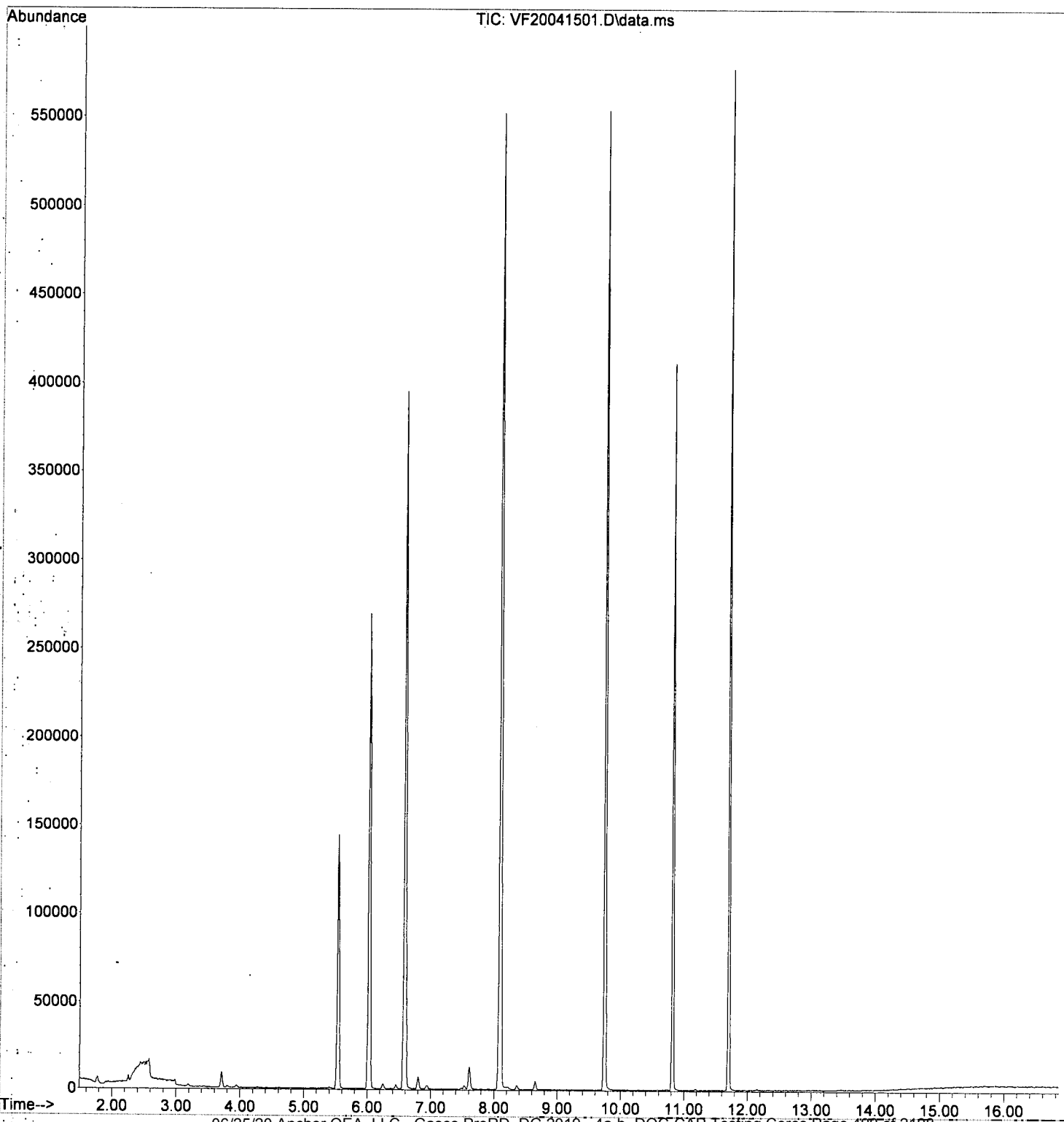
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	110020	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	274623	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	122505	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	92784	49.81	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.579	114	342411	50.21	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	407965	52.34	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.819	174	95493	49.27	ug/L	0.00	
Target Compounds							
							Qvalue
3) Chloromethane	1.804	50	507	0.16	ug/L		89
5) Bromomethane	2.254	96	1708	0.81	ug/L		87
8) Ethanol	3.197	45	1172	23.05	ug/L		86
13) Methylene Chloride	3.708	84	3882	1.58	ug/L		88
14) Acetone	3.799	43	1303	0.98	ug/L		89
28) Tetrahydrofuran	5.521	42	324	0.19	ug/L #		67
36) iso-Butyl Alcohol	6.245	43	1312	7.46	ug/L		96
39) tert-Amyl ethyl ether ...	6.804	59	1287	0.18	ug/L #		61

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041501.D
Acq On : 15 Apr 2020 6:59 pm
Operator : tb
Sample : 0D15055-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:35:24 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041502.D
 Acq On : 15 Apr 2020 7:27 pm
 Operator : tb
 Sample : 0D15055-IBL2
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:35:29 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

NA

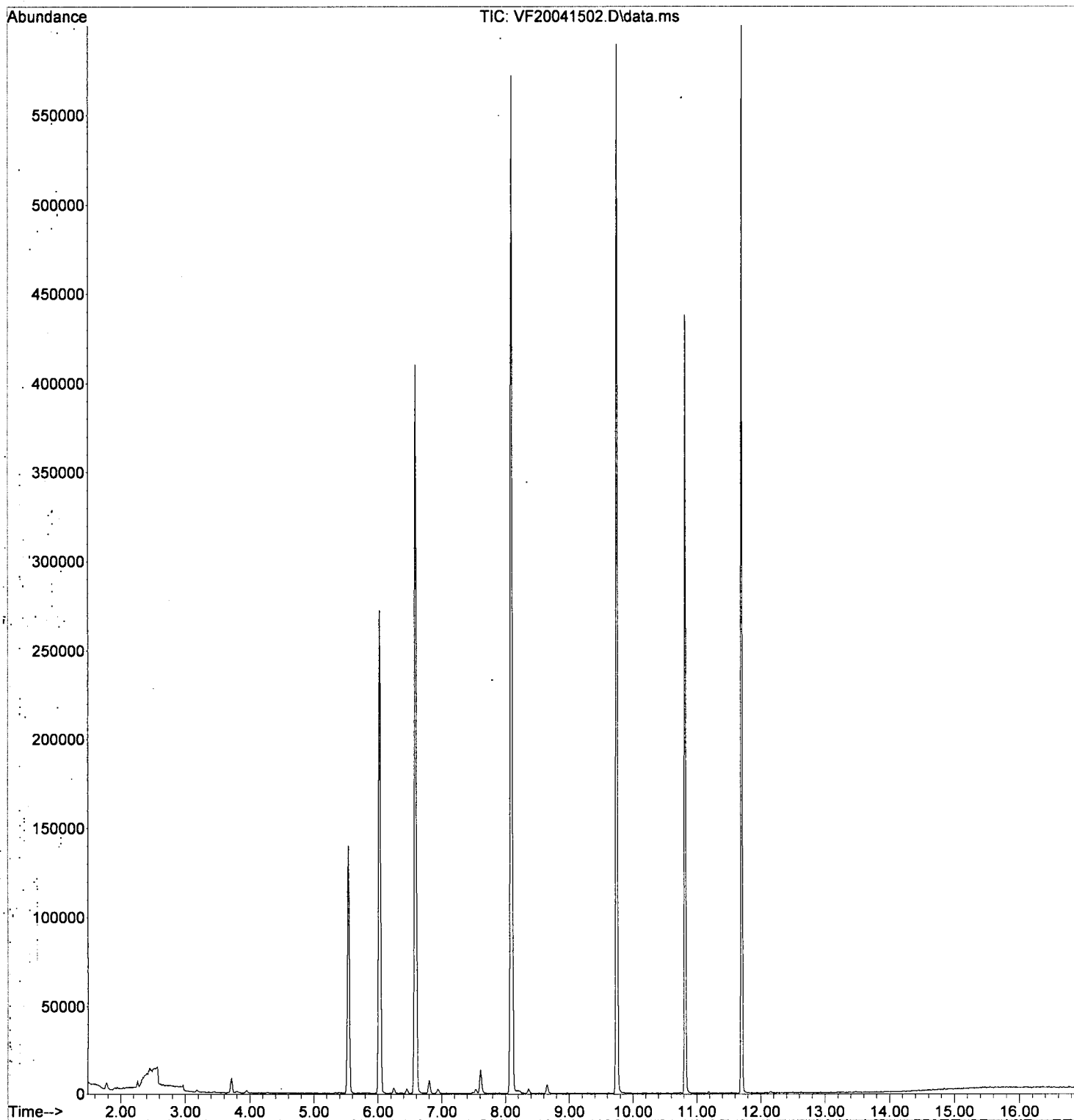
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.025	99	114041	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.742	117	293097	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.701	152	126470	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.533	111	92534	47.93	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.585	114	350182	49.54	ug/L	0.00
45) Toluene-d8 (S)	8.088	98	423770	50.94	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.819	174	102744	51.34	ug/L	0.00
Target Compounds						
						Qvalue
3) Chloromethane	1.803	50	384	0.11	ug/L #	48
5) Bromomethane	2.260	96	1574	0.72	ug/L	89
8) Ethanol	3.184	45	1139	21.61	ug/L	90
13) Methylene Chloride	3.714	84	3822	1.50	ug/L	87
14) Acetone	3.805	43	1447	1.05	ug/L	92
36) iso-Butyl Alcohol	6.250	43	1271	6.97	ug/L	90
39) tert-Amyl ethyl ether ...	6.804	59	1357	0.19	ug/L #	65

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041502.D
Acq On : 15 Apr 2020 7:27 pm
Operator : tb
Sample : 0D15055-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:35:29 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



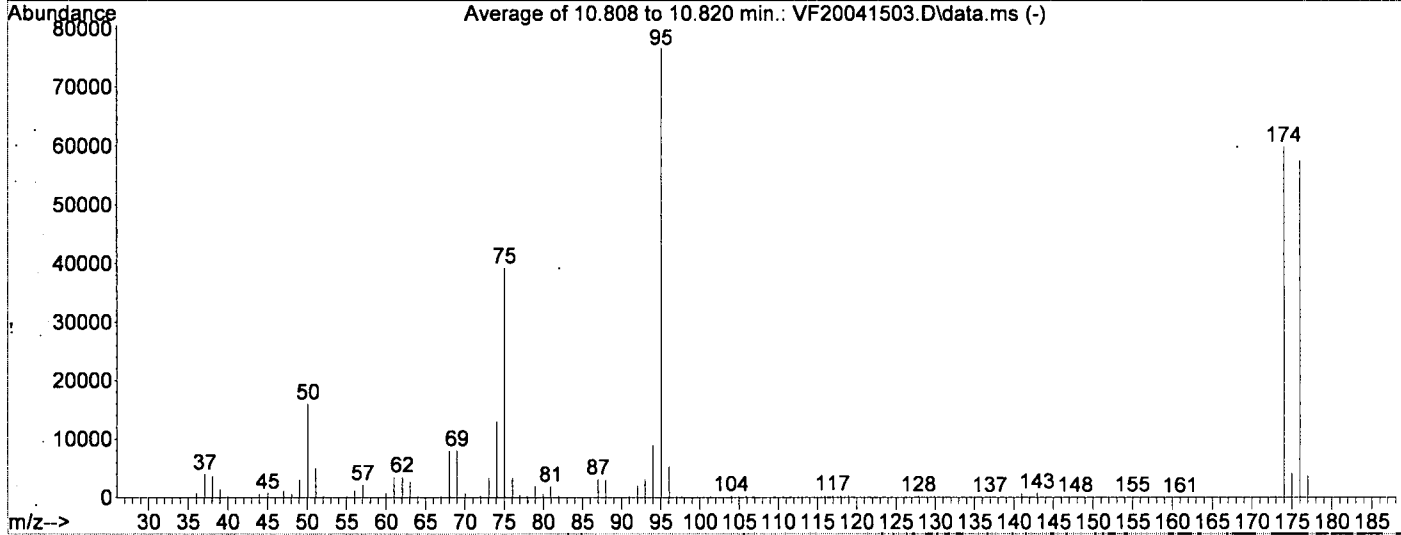
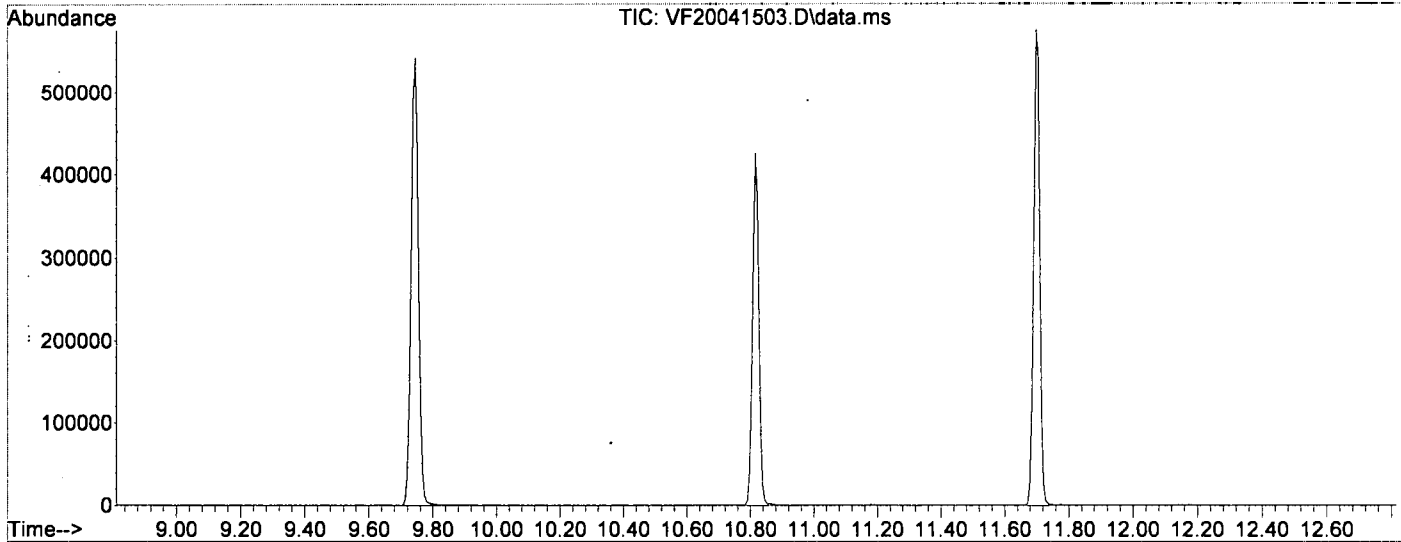
BFB

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041503.D
Acq On : 15 Apr 2020 7:54 pm
Operator : tb
Sample : 0D15055-TUN1
Misc : 1X 5mL A19L228 BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1

4/17/20

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\VF200415S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Apr 16 13:10:17 2020



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1525

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	128.0	76704	PASS
96	95	5	9	6.9	5330	PASS
173	174	0.00	2	0.5	284	PASS
174	95	50	200	78.1	59920	PASS
175	174	5	9	7.0	4214	PASS
176	174	95	105	96.1	57565	PASS
177	176	5	10	6.5	3719	PASS

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041503.D
 Acq On : 15 Apr 2020 7:54 pm
 Operator : tb
 Sample : 0D15055-TUN1
 Misc : 1X 5mL A19L228 BFB (IS/SURR)
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

Quant Time: Apr 17 13:35:41 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

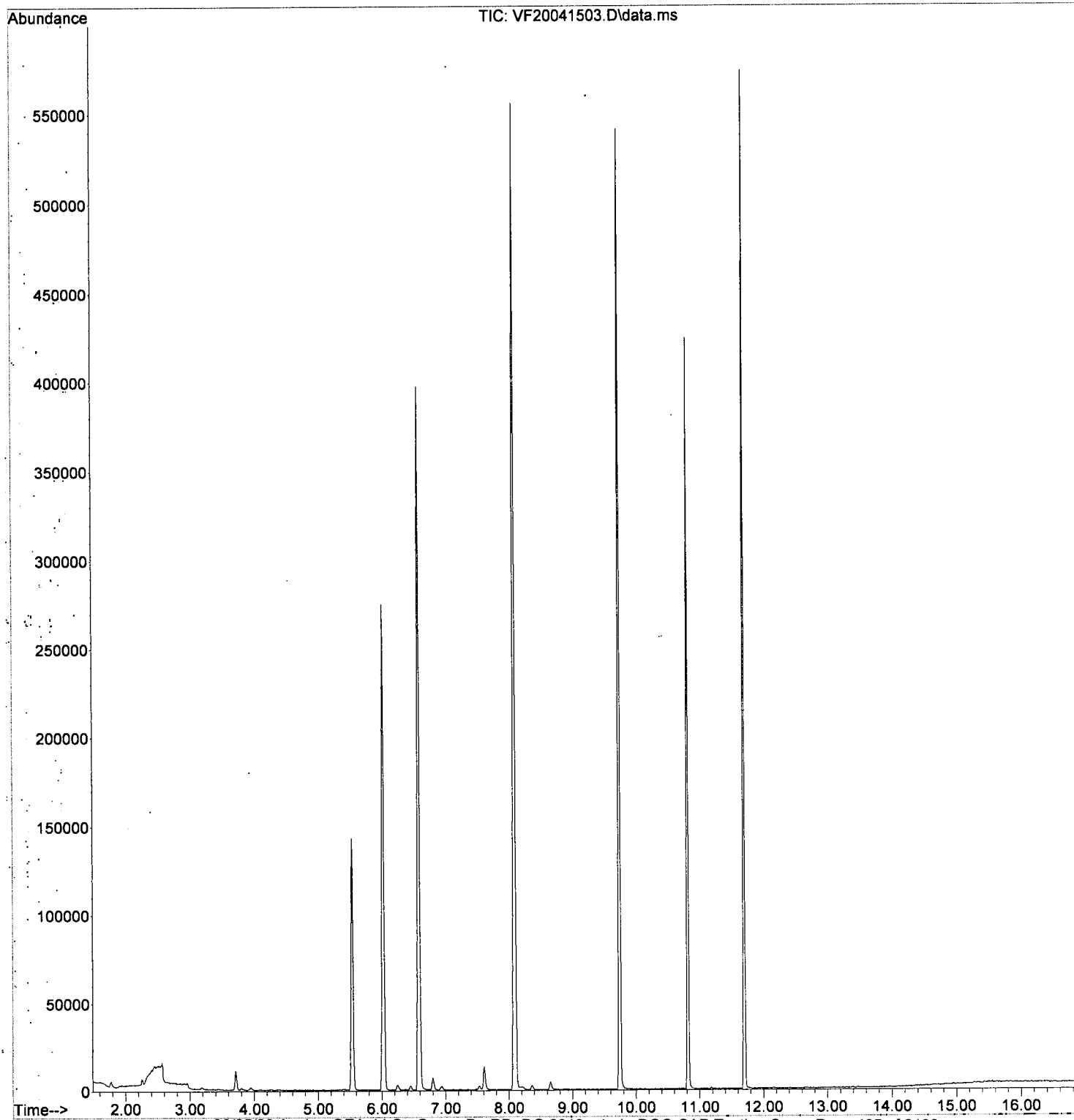
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	113406	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.744	117	277888	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	123215	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	92494	48.18	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	345935	49.21	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	413402	52.42	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	98493	50.52	ug/L	0.00	
Target Compounds							
3) Chloromethane	1.805	50	374	0.11	ug/L		74
5) Bromomethane	2.255	96	1678	0.77	ug/L		87
8) Ethanol	3.180	45	1269	24.21	ug/L		97
13) Methylene Chloride	3.715	84	4786	1.89	ug/L		88
14) Acetone	3.800	43	1386	1.01	ug/L		89
28) Tetrahydrofuran	5.528	42	265	0.15	ug/L #		67
36) iso-Butyl Alcohol	6.239	43	1315	7.25	ug/L		71
39) tert-Amyl ethyl ether ...	6.799	59	1413	0.19	ug/L #		57

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041503.D
Acq On : 15 Apr 2020 7:54 pm
Operator : tb
Sample : 0D15055-TUN1
Misc : 1X 5mL A19L228 BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:35:41 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041504.D
 Acq On : 15 Apr 2020 8:21 pm
 Operator : tb
 Sample : 0D15055-ICB1
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

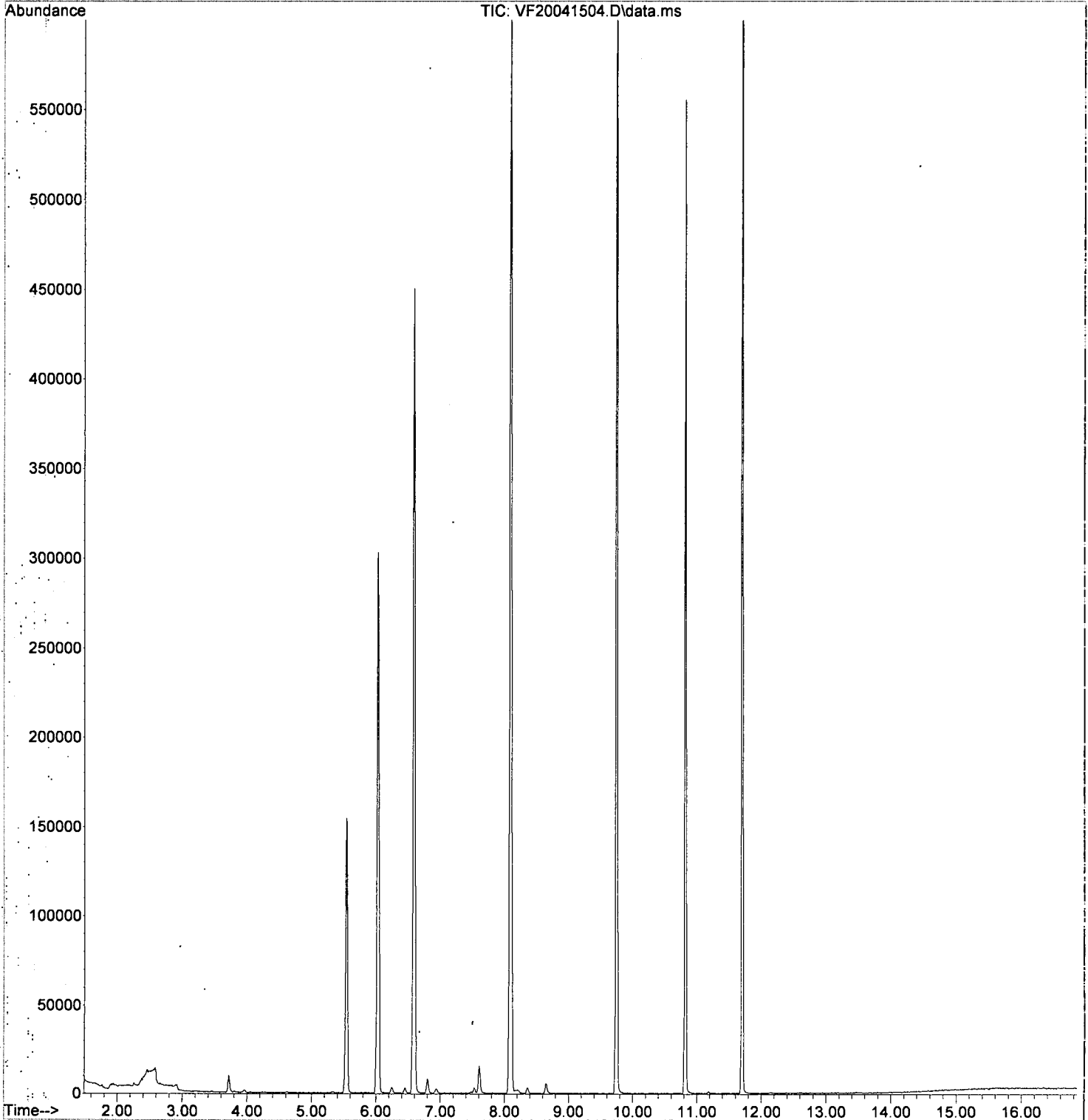
Quant Time: Apr 17 13:36:32 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.026	99	125683	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	336808	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	155146	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	102283	48.07	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.585	114	387055	49.68	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	471864	49.36	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.813	174	125653	51.19	ug/L	0.00	
Target Compounds							
5) Bromomethane	2.260	96	792	0.33	ug/L #	73	<i>LMOL</i> ↓
8) Ethanol	3.209	45	608	10.47	ug/L #	29	
13) Methylene Chloride	3.714	84	4300	1.54	ug/L	77	
14) Acetone	3.805	43	1089	0.72	ug/L	87	
28) Tetrahydrofuran	5.533	42	229	0.12	ug/L #	63	
32) 2-Butanone (MEK)	5.679	43	195	0.08	ug/L	54	
36) iso-Butyl Alcohol	6.251	43	1399	6.96	ug/L	84	
39) tert-Amyl ethyl ether ...	6.798	59	1564	0.19	ug/L #	69	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041504.D
Acq On : 15 Apr 2020 8:21 pm
Operator : tb
Sample : 0D15055-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:32 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041505.D
 Acq On : 15 Apr 2020 8:48 pm
 Operator : tb
 Sample : 0D15055-CAL1
 Misc : 1X 0.1ppb 5mL DI+MeOH
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:39:30 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	123070	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	333847	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	152732	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	100471	47.13	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.581	114	382077	50.21	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	461223	45.92	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	123834	53.21	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.593	85	222	0.10	ug/L	#	50
3) Chloromethane	1.806	50	448	0.13	ug/L		92
4) Vinyl Chloride	1.885	62	397	0.11	ug/L		77
5) Bromomethane	2.250	96	1123	0.49	ug/L		81
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	3.193	45	996	16.78	ug/L		83
9) 1,1-Dichloroethene	3.071	61	538	0.13	ug/L		78
10) Carbon Disulfide	3.083	76	722	0.12	ug/L		77
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.704	84	4188	1.49	ug/L		92
14) Acetone	3.795	43	1331	0.84	ug/L		91
15) t-1,2-Dichloroethene	3.874	61	469	0.11	ug/L		89
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.002	73	1186	0.12	ug/L		89
18) tert-Butanol (TBA)	4.172	59	2901	5.24	ug/L	#	100
19) Diisopropyl ether (DIPE)	4.397	45	297	0.03	ug/L		68
20) 1,1-Dichloroethane	4.507	63	588	0.11	ug/L		83
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.	d		
23) c-1,2-Dichloroethene	5.073	61	443	0.11	ug/L	#	75
24) 2,2-Dichloropropane	0.000		0	N.D.	d		
25) Bromochloromethane	0.000		0	N.D.	d		
26) Chloroform	5.353	83	518	0.11	ug/L		65
27) Carbon Tetrachloride	0.000		0	N.D.			
28) Tetrahydrofuran	5.517	42	496	0.26	ug/L	#	69
29) 1,1,1-Trichloroethane	5.541	97	212	0.06	ug/L		80
31) 1,1-Dichloropropene	0.000		0	N.D.	d		
32) 2-Butanone (MEK)	5.675	43	618	0.25	ug/L		81
33) Benzene	5.924	78	1385	0.11	ug/L		97
34) tert-Amyl methyl ether...	0.000		0	N.D.	d		
35) 1,2-Dichloroethane (EDC)	6.143	62	486	0.11	ug/L	#	50
36) iso-Butyl Alcohol	6.241	43	1529	8.17	ug/L		74
38) Trichloroethene (TCE)	6.545	130	272	0.09	ug/L	#	72
39) tert-Amyl ethyl ether ...	6.800	59	1823	0.25	ug/L	#	79
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	7.105	63	327	0.10	ug/L		80
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	0.000		0	N.D.	d		
46) Toluene	8.145	91	1541	0.12	ug/L		86
47) Tetrachloroethene (PCE)	0.000		0	N.D.	d		
48) 4-Methyl-2-Pentanone (...)	8.601	43	898	0.19	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041505.D
 Acq On : 15 Apr 2020 8:48 pm
 Operator : tb
 Sample : 0D15055-CAL1
 Misc : 1X 0.1ppb 5mL DI+MeOH
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

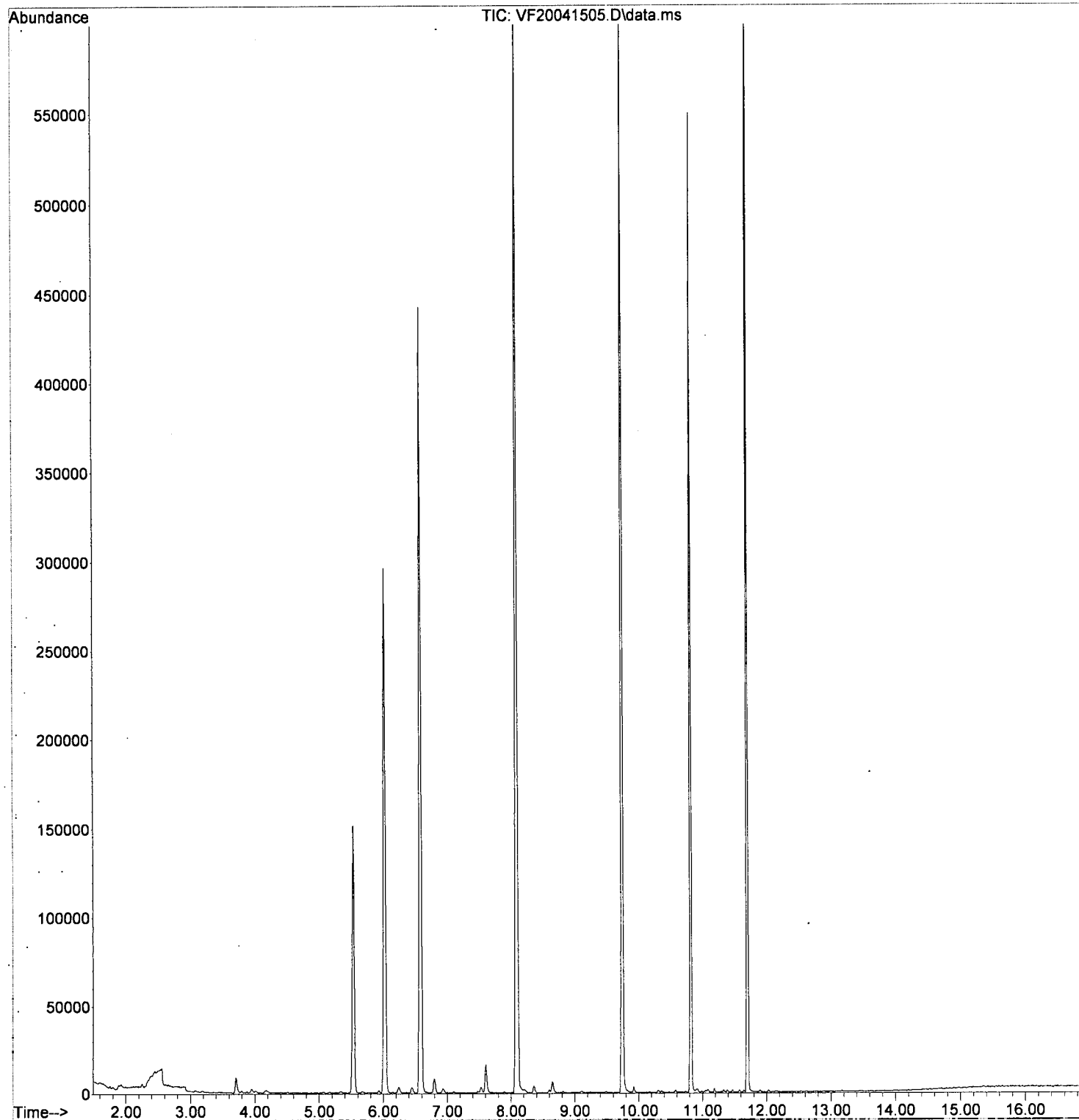
Quant Time: Apr 16 12:39:30 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.644	75	234	0.06	ug/L	47
50) 1,1,2-Trichloroethane	8.808	97	291	0.10	ug/L #	62
51) Dibromochloromethane	0.000		0	N.D.		
52) 1,3-Dichloropropane	9.106	76	589	0.11	ug/L	82
53) 1,2-Dibromoethane (EDB)	9.240	107	146	0.05	ug/L #	7
54) 2-Hexanone	9.477	43	556	0.17	ug/L	87
55) Chlorobenzene	9.757	112	897	0.12	ug/L #	1
56) Ethylbenzene	9.787	91	1361	0.11	ug/L	93
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
58) m,p-Xylenes (2)	9.921	91	2134	0.22	ug/L	87
59) o-Xylene	10.304	91	1057	0.11	ug/L	83
60) Styrene	10.359	104	577	0.08	ug/L	80
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	10.572	105	1046	0.10	ug/L	97
65) Bromobenzene	10.901	156	295	0.11	ug/L	89
66) n-Propylbenzene	10.919	91	1246	0.11	ug/L	95
67) 1,1,2,2-Tetrachloroethane	10.986	83	280	0.10	ug/L	91
68) 2-Chlorotoluene	11.053	126	236	0.10	ug/L	86
69) 1,3,5-Trimethylbenzene	11.077	105	819	0.10	ug/L	88
70) 1,2,3-Trichloropropane	0.000		0	N.D.		
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.187	91	780	0.11	ug/L	80
73) tert-Butylbenzene	11.326	91	448	0.10	ug/L	92
74) 1,2,4-Trimethylbenzene	11.381	105	837	0.10	ug/L	89
75) sec-Butylbenzene	11.466	105	915	0.10	ug/L	98
76) 4-Isopropyltoluene	11.576	119	714	0.09	ug/L	93
77) 1,3-Dichlorobenzene	11.649	146	471	0.11	ug/L	89
78) 1,4-Dichlorobenzene	11.710	146	549	0.12	ug/L #	10
79) n-Butylbenzene	11.898	91	696	0.10	ug/L	92
80) 1,2-Dichlorobenzene	12.026	146	446	0.11	ug/L	94
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	13.164	180	170	0.07	ug/L	69
84) Naphthalene	13.444	128	594	0.07	ug/L	78
85) 1,2,3-Trichlorobenzene	13.608	180	155	0.07	ug/L #	53

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041505.D
Acq On : 15 Apr 2020 8:48 pm
Operator : tb
Sample : 0D15055-CAL1
Misc : 1X 0.1ppb 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:39:30 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041505.D
 Acq On : 15 Apr 2020 8:48 pm
 Operator : tb
 Sample : 0D15055-CAL1
 Misc : 1X 0.1ppb 5mL DI+MeOH
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:34 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	123070	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	333847	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	152732	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	100471	47.13	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.581	114	382077	50.21	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	461223	45.92	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	123834	53.21	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.593	85	222	0.10	ug/L	#	50
3) Chloromethane	1.806	50	448	0.13	ug/L		92
4) Vinyl Chloride	1.885	62	397	0.11	ug/L		77
5) Bromomethane	2.250	96	1123	0.49	ug/L		81
6) Chloroethane	2.378	64	205	0.36	ug/L	#	1
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	3.193	45	996	16.78	ug/L		83
9) 1,1-Dichloroethene	3.071	61	538	0.13	ug/L		78
10) Carbon Disulfide	3.083	76	722	0.12	ug/L		77
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.704	84	4188	1.49	ug/L		92
14) Acetone	3.795	43	1331	0.84	ug/L		91
15) t-1,2-Dichloroethene	3.874	61	469	0.11	ug/L		89
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.002	73	1186	0.12	ug/L		89
18) tert-Butanol (TBA)	4.172	59	2901	5.24	ug/L	#	100
19) Diisopropyl ether (DIPE)	4.397	45	297	0.03	ug/L		68
20) 1,1-Dichloroethane	4.507	63	588	0.11	ug/L		83
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	4.769	59	140	0.01	ug/L	#	38
23) c-1,2-Dichloroethene	5.073	61	443	0.11	ug/L	#	75
24) 2,2-Dichloropropane	5.170	77	331	0.11	ug/L		82
25) Bromochloromethane	5.261	49	238	0.08	ug/L	#	15
26) Chloroform	5.353	83	518	0.11	ug/L		65
27) Carbon Tetrachloride	0.000		0	N.D.			
28) Tetrahydrofuran	5.517	42	496	0.26	ug/L	#	69
29) 1,1,1-Trichloroethane	5.541	97	212	0.06	ug/L		80
31) 1,1-Dichloropropene	5.675	75	332	0.09	ug/L	#	41
32) 2-Butanone (MEK)	5.675	43	618	0.25	ug/L		81
33) Benzene	5.924	78	1385	0.11	ug/L		97
34) tert-Amyl methyl ether...	6.058	73	269	0.03	ug/L	#	46
35) 1,2-Dichloroethane (EDC)	6.143	62	486	0.11	ug/L	#	50
36) iso-Butyl Alcohol	6.241	43	1529	8.17	ug/L		74
38) Trichloroethene (TCE)	6.545	130	272	0.09	ug/L	#	72
39) tert-Amyl ethyl ether ...	6.800	59	1823	0.25	ug/L	#	79
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	7.105	63	327	0.10	ug/L		80
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	7.895	75	289	0.07	ug/L	#	25
46) Toluene	8.145	91	1541	0.12	ug/L		86
47) Tetrachloroethene (PCE)	8.595	166	197	0.07	ug/L	#	78
48) 4-Methyl-2-Pentanone (...)	8.601	43	898	0.19	ug/L		82

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041505.D
 Acq On : 15 Apr 2020 8:48 pm
 Operator : tb
 Sample : 0D15055-CAL1
 Misc : 1X 0.1ppb 5mL DI+MeOH
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:34 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

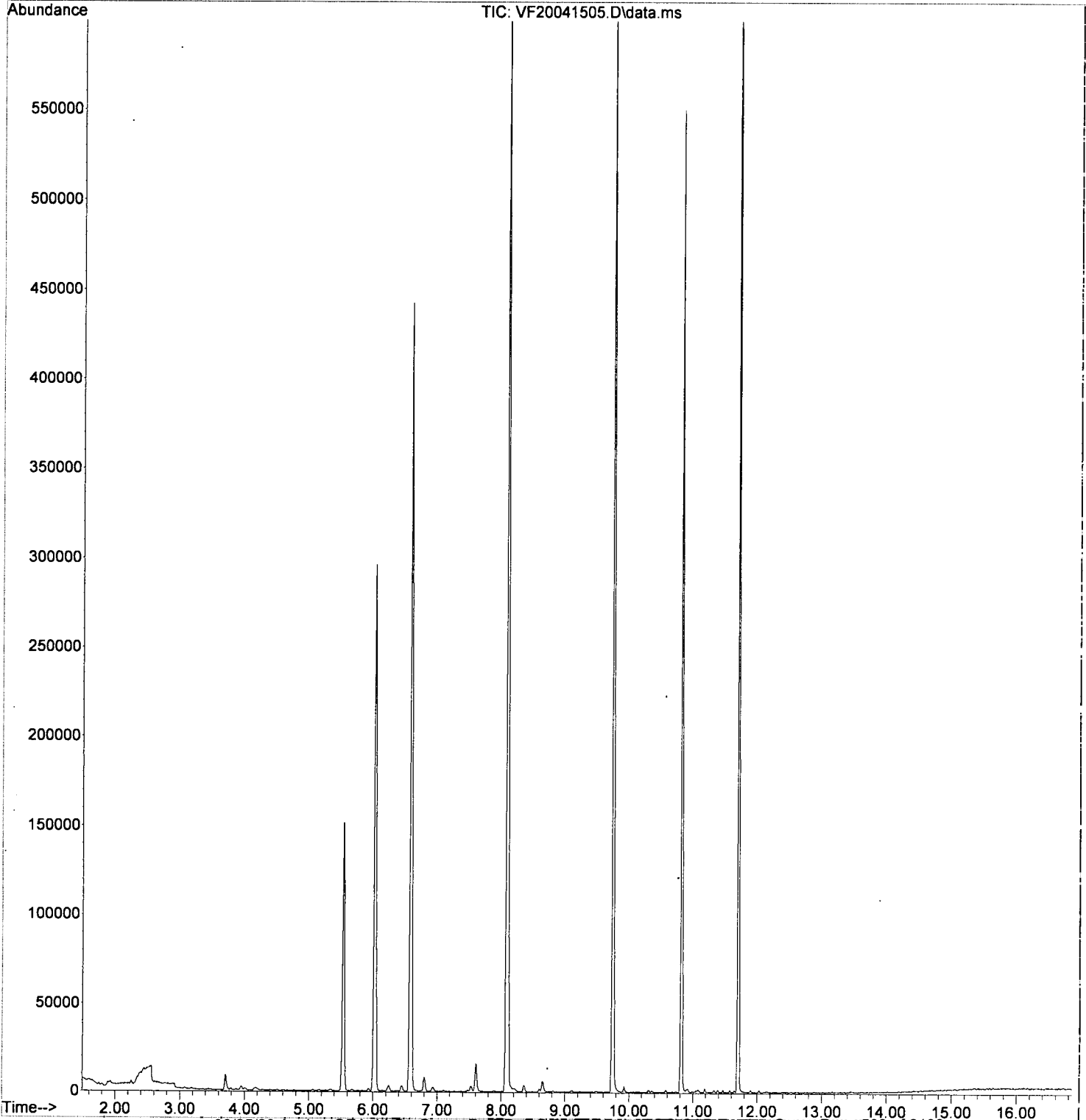
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.644	75	234	0.06	ug/L	47
50) 1,1,2-Trichloroethane	8.808	97	291	0.10	ug/L #	62
51) Dibromochloromethane	0.000		0	N.D.		
52) 1,3-Dichloropropane	9.106	76	589	0.11	ug/L	82
53) 1,2-Dibromoethane (EDB)	9.240	107	146	0.05	ug/L #	7
54) 2-Hexanone	9.477	43	556	0.17	ug/L	87
55) Chlorobenzene	9.757	112	897	0.12	ug/L #	1
56) Ethylbenzene	9.787	91	1361	0.11	ug/L	93
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
58) m,p-Xylenes (2)	9.921	91	2134	0.22	ug/L	87
59) o-Xylene	10.304	91	1057	0.11	ug/L	83
60) Styrene	10.359	104	577	0.08	ug/L	80
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	10.572	105	1046	0.10	ug/L	97
65) Bromobenzene	10.901	156	295	0.11	ug/L	89
66) n-Propylbenzene	10.919	91	1246	0.11	ug/L	95
67) 1,1,2,2-Tetrachloroethane	10.986	83	280	0.10	ug/L	91
68) 2-Chlorotoluene	11.053	126	236	0.10	ug/L	86
69) 1,3,5-Trimethylbenzene	11.077	105	819	0.10	ug/L	88
70) 1,2,3-Trichloropropane	0.000		0	N.D.		
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.187	91	780	0.11	ug/L	80
73) tert-Butylbenzene	11.326	91	448	0.10	ug/L	92
74) 1,2,4-Trimethylbenzene	11.381	105	837	0.10	ug/L	89
75) sec-Butylbenzene	11.466	105	915	0.10	ug/L	98
76) 4-Isopropyltoluene	11.576	119	714	0.09	ug/L	93
77) 1,3-Dichlorobenzene	11.649	146	471	0.11	ug/L	89
78) 1,4-Dichlorobenzene	11.710	146	549	0.12	ug/L #	10
79) n-Butylbenzene	11.898	91	696	0.10	ug/L	92
80) 1,2-Dichlorobenzene	12.026	146	446	0.11	ug/L	94
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	13.164	180	170	0.07	ug/L	69
84) Naphthalene	13.444	128	594	0.07	ug/L	78
85) 1,2,3-Trichlorobenzene	13.608	180	155	0.07	ug/L #	53

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041505.D
Acq On : 15 Apr 2020 8:48 pm
Operator : tb
Sample : 0D15055-CAL1
Misc : 1X 0.1ppb 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:34 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041506.D
 Acq On : 15 Apr 2020 9:15 pm
 Operator : tb
 Sample : 0D15055-CAL2
 Misc : 1X 0.2ppb 5mL DI+MeOH
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:41:41 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	119420	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.744	117	321159	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.703	152	149042	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	96533	46.67	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	370477	50.17	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	451361	46.71	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	120185	52.92	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.604	85	342	0.15	ug/L		68
3) Chloromethane	1.817	50	861	0.25	ug/L		93
4) Vinyl Chloride	1.902	62	693	0.19	ug/L		80
5) Bromomethane	2.261	96	1588	0.71	ug/L		97
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	3.180	45	1576	27.37	ug/L		84
9) 1,1-Dichloroethene	3.076	61	737	0.18	ug/L		75
10) Carbon Disulfide	3.088	76	1159	0.21	ug/L		88
11) Freon 113	3.119	101	339	0.15	ug/L #		76
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.715	84	4367	1.60	ug/L		82
14) Acetone	3.800	43	2025	1.32	ug/L		84
15) t-1,2-Dichloroethene	3.879	61	762	0.19	ug/L		96
16) n-Hexane	0.000		0	N.D.	d		
17) Methyl-tert-butyl-ether	4.025	73	2028	0.21	ug/L		89
18) tert-Butanol (TBA)	4.177	59	6463	12.04	ug/L #		95
19) Diisopropyl ether (DIPE)	4.421	45	541	0.05	ug/L		69
20) 1,1-Dichloroethane	4.506	63	1016	0.19	ug/L		79
21) Acrylonitrile	4.591	53	205	0.12	ug/L		82
22) Ethyl-tert-butyl ether...	4.773	59	513	0.05	ug/L #		77
23) c-1,2-Dichloroethene	5.065	61	856	0.21	ug/L		74
24) 2,2-Dichloropropane	5.163	77	635	0.21	ug/L		86
25) Bromochloromethane	5.272	49	499	0.18	ug/L		68
26) Chloroform	5.345	83	916	0.20	ug/L		84
27) Carbon Tetrachloride	0.000		0	N.D.			
28) Tetrahydrofuran	5.528	42	787	0.43	ug/L		89
29) 1,1,1-Trichloroethane	5.540	97	514	0.15	ug/L		84
31) 1,1-Dichloropropene	5.680	75	745	0.20	ug/L		98
32) 2-Butanone (MEK)	5.680	43	1206	0.51	ug/L		88
33) Benzene	5.935	78	2508	0.21	ug/L		89
34) tert-Amyl methyl ether...	0.000		0	N.D.	d		
35) 1,2-Dichloroethane (EDC)	6.148	62	880	0.21	ug/L		91
36) iso-Butyl Alcohol	6.246	43	1961	10.80	ug/L		84
38) Trichloroethene (TCE)	6.556	130	517	0.19	ug/L		84
39) tert-Amyl ethyl ether ...	6.799	59	1884	0.26	ug/L #		74
40) Dibromomethane	7.006	93	279	0.17	ug/L #		81
41) 1,2-Dichloropropane	7.103	63	597	0.19	ug/L		89
42) Bromodichloromethane	7.189	83	195	0.09	ug/L		96
44) c-1,3-Dichloropropene	7.882	75	541	0.14	ug/L #		38
46) Toluene	8.150	91	2621	0.20	ug/L		85
47) Tetrachloroethene (PCE)	8.594	166	447	0.17	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.600	43	1913	0.43	ug/L		90

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041506.D
 Acq On : 15 Apr 2020 9:15 pm
 Operator : tb
 Sample : 0D15055-CAL2
 Misc : 1X 0.2ppb 5mL DI+MeOH
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

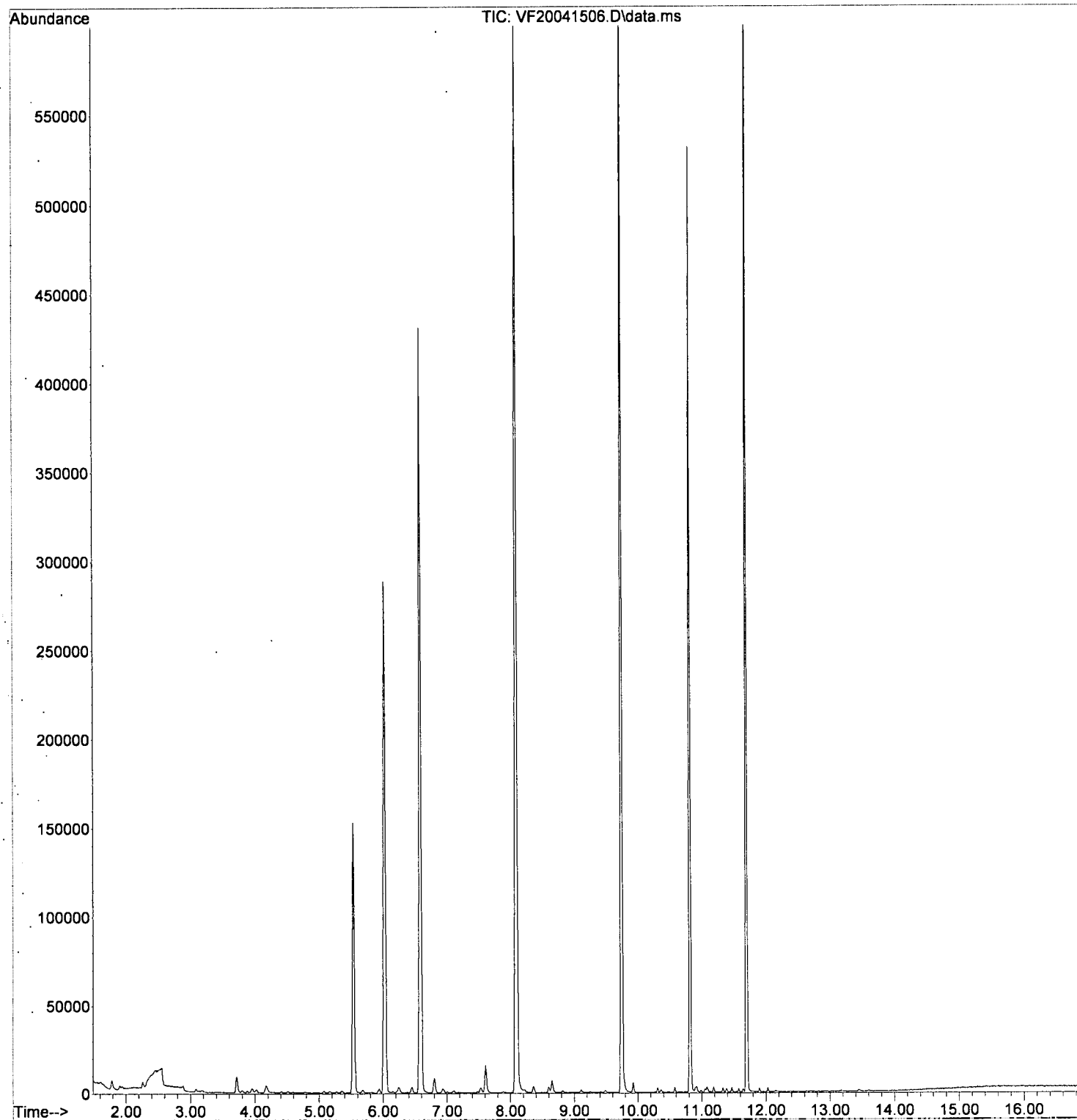
Quant Time: Apr 16 12:41:41 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.636	75	489	0.14	ug/L	47
50) 1,1,2-Trichloroethane	8.819	97	470	0.18	ug/L	93
51) Dibromochloromethane	0.000		0	N.D.		
52) 1,3-Dichloropropane	9.105	76	974	0.19	ug/L	73
53) 1,2-Dibromoethane (EDB)	9.245	107	333	0.13	ug/L	98
54) 2-Hexanone	9.488	43	1015	0.32	ug/L	94
55) Chlorobenzene	9.756	112	1519	0.21	ug/L #	21
56) Ethylbenzene	9.786	91	2370	0.19	ug/L	92
57) 1,1,1,2-Tetrachloroethane	9.817	131	101	0.08	ug/L #	33
58) m,p-Xylenes (2)	9.920	91	3430	0.37	ug/L	98
59) o-Xylene	10.309	91	1666	0.18	ug/L	87
60) Styrene	10.358	104	935	0.14	ug/L	89
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	10.577	105	1819	0.18	ug/L	95
65) Bromobenzene	10.900	156	434	0.17	ug/L #	50
66) n-Propylbenzene	10.918	91	2112	0.18	ug/L	98
67) 1,1,2,2-Tetrachloroethane	10.985	83	588	0.21	ug/L	91
68) 2-Chlorotoluene	11.052	126	453	0.20	ug/L #	77
69) 1,3,5-Trimethylbenzene	11.076	105	1411	0.18	ug/L	91
70) 1,2,3-Trichloropropane	11.094	110	178	0.16	ug/L	98
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.185	91	1427	0.20	ug/L	85
73) tert-Butylbenzene	11.331	91	806	0.19	ug/L	86
74) 1,2,4-Trimethylbenzene	11.386	105	1331	0.17	ug/L	89
75) sec-Butylbenzene	11.471	105	1653	0.18	ug/L	96
76) 4-Isopropyltoluene	11.575	119	1241	0.17	ug/L	96
77) 1,3-Dichlorobenzene	11.642	146	758	0.18	ug/L	89
78) 1,4-Dichlorobenzene	11.709	146	929	0.21	ug/L #	16
79) n-Butylbenzene	11.897	91	1138	0.17	ug/L	95
80) 1,2-Dichlorobenzene	12.031	146	830	0.21	ug/L	90
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	13.175	180	303	0.13	ug/L	82
84) Naphthalene	13.448	128	967	0.12	ug/L	78
85) 1,2,3-Trichlorobenzene	13.601	180	301	0.14	ug/L	89

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041506.D
Acq On : 15 Apr 2020 9:15 pm
Operator : tb
Sample : 0D15055-CAL2
Misc : 1X 0.2ppb 5mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:41:41 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041506.D
 Acq On : 15 Apr 2020 9:15 pm
 Operator : tb
 Sample : 0D15055-CAL2
 Misc : 1X 0.2ppb 5mL DI+MeOH
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:37 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	119420	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.744	117	321159	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.703	152	149042	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	96533	46.67	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	370477	50.17	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	451361	46.71	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	120185	52.92	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.604	85	342	0.15	ug/L		78
3) Chloromethane	1.817	50	861	0.25	ug/L		93
4) Vinyl Chloride	1.902	62	693	0.19	ug/L		80
5) Bromomethane	2.261	96	1588	0.71	ug/L		97
6) Chloroethane	2.377	64	326	0.59	ug/L	#	1
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	3.180	45	1576	27.37	ug/L		84
9) 1,1-Dichloroethene	3.076	61	737	0.18	ug/L		75
10) Carbon Disulfide	3.088	76	1159	0.21	ug/L		88
11) Freon 113	3.119	101	339	0.15	ug/L	#	76
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.715	84	4367	1.60	ug/L		82
14) Acetone	3.800	43	2025	1.32	ug/L		84
15) t-1,2-Dichloroethene	3.879	61	762	0.19	ug/L		96
16) n-Hexane	3.946	86	128	0.27	ug/L	#	74
17) Methyl-tert-butyl-ether	4.025	73	2028	0.21	ug/L		89
18) tert-Butanol (TBA)	4.177	59	6463	12.04	ug/L	#	95
19) Diisopropyl ether (DIPE)	4.421	45	541	0.05	ug/L		69
20) 1,1-Dichloroethane	4.506	63	1016	0.19	ug/L		79
21) Acrylonitrile	4.591	53	205	0.12	ug/L		82
22) Ethyl-tert-butyl ether...	4.773	59	513	0.05	ug/L	#	77
23) c-1,2-Dichloroethene	5.065	61	856	0.21	ug/L		74
24) 2,2-Dichloropropane	5.163	77	635	0.21	ug/L		86
25) Bromochloromethane	5.272	49	499	0.18	ug/L		68
26) Chloroform	5.345	83	916	0.20	ug/L		84
27) Carbon Tetrachloride	0.000		0	N.D.			
28) Tetrahydrofuran	5.528	42	787	0.43	ug/L		89
29) 1,1,1-Trichloroethane	5.540	97	514	0.15	ug/L		84
31) 1,1-Dichloropropene	5.680	75	745	0.20	ug/L		98
32) 2-Butanone (MEK)	5.680	43	1206	0.51	ug/L		88
33) Benzene	5.935	78	2508	0.21	ug/L		89
34) tert-Amyl methyl ether...	6.057	73	415	0.05	ug/L	#	1
35) 1,2-Dichloroethane (EDC)	6.148	62	880	0.21	ug/L		91
36) iso-Butyl Alcohol	6.246	43	1961	10.80	ug/L		84
38) Trichloroethene (TCE)	6.556	130	517	0.19	ug/L		84
39) tert-Amyl ethyl ether ...	6.799	59	1884	0.26	ug/L	#	74
40) Dibromomethane	7.006	93	279	0.17	ug/L	#	81
41) 1,2-Dichloropropane	7.103	63	597	0.19	ug/L		89
42) Bromodichloromethane	7.189	83	195	0.09	ug/L		96
44) c-1,3-Dichloropropene	7.882	75	541	0.14	ug/L	#	38
46) Toluene	8.150	91	2621	0.20	ug/L		85
47) Tetrachloroethene (PCE)	8.594	166	447	0.17	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.600	43	1913	0.43	ug/L		90

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041506.D
 Acq On : 15 Apr 2020 9:15 pm
 Operator : tb
 Sample : 0D15055-CAL2
 Misc : 1X 0.2ppb 5mL DI+MeOH
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:37 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

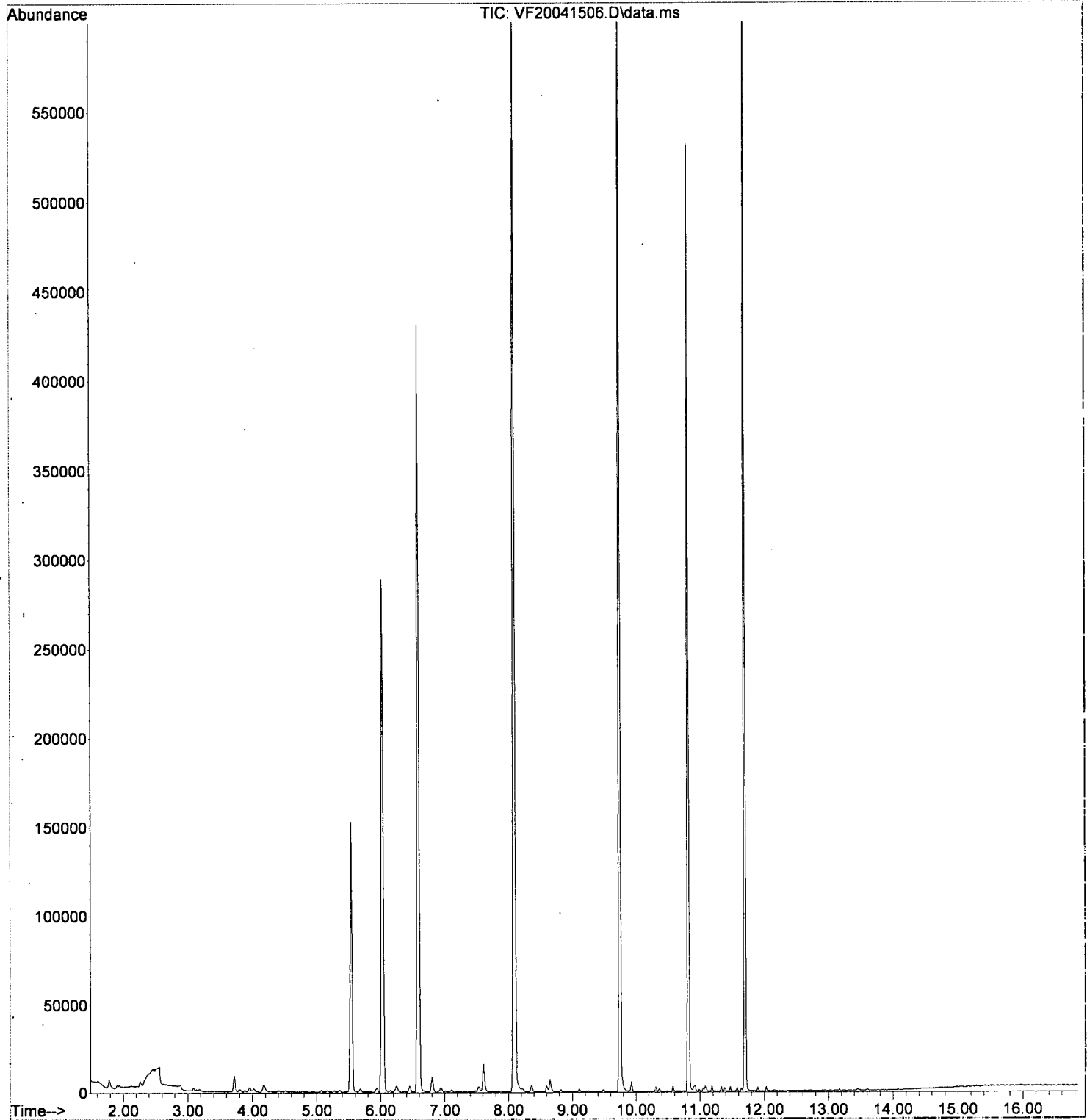
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.636	75	489	0.14	ug/L	47
50) 1,1,2-Trichloroethane	8.819	97	470	0.18	ug/L	93
51) Dibromochloromethane	0.000		0	N.D.		
52) 1,3-Dichloropropane	9.105	76	974	0.19	ug/L	73
53) 1,2-Dibromoethane (EDB)	9.245	107	333	0.13	ug/L	98
54) 2-Hexanone	9.488	43	1015	0.32	ug/L	94
55) Chlorobenzene	9.756	112	1519	0.21	ug/L #	21
56) Ethylbenzene	9.786	91	2370	0.19	ug/L	92
57) 1,1,1,2-Tetrachloroethane	9.817	131	101	0.08	ug/L #	33
58) m,p-Xylenes (2)	9.920	91	3430	0.37	ug/L	98
59) o-Xylene	10.309	91	1666	0.18	ug/L	87
60) Styrene	10.358	104	935	0.14	ug/L	89
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	10.577	105	1819	0.18	ug/L	95
65) Bromobenzene	10.900	156	434	0.17	ug/L #	50
66) n-Propylbenzene	10.918	91	2112	0.18	ug/L	98
67) 1,1,2,2-Tetrachloroethane	10.985	83	588	0.21	ug/L	91
68) 2-Chlorotoluene	11.052	126	453	0.20	ug/L #	77
69) 1,3,5-Trimethylbenzene	11.076	105	1411	0.18	ug/L	91
70) 1,2,3-Trichloropropane	11.094	110	178	0.16	ug/L	98
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.185	91	1427	0.20	ug/L	85
73) tert-Butylbenzene	11.331	91	806	0.19	ug/L	86
74) 1,2,4-Trimethylbenzene	11.386	105	1331	0.17	ug/L	89
75) sec-Butylbenzene	11.471	105	1653	0.18	ug/L	96
76) 4-Isopropyltoluene	11.575	119	1241	0.17	ug/L	96
77) 1,3-Dichlorobenzene	11.642	146	758	0.18	ug/L	89
78) 1,4-Dichlorobenzene	11.709	146	929	0.21	ug/L #	16
79) n-Butylbenzene	11.897	91	1138	0.17	ug/L	95
80) 1,2-Dichlorobenzene	12.031	146	830	0.21	ug/L	90
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	13.175	180	303	0.13	ug/L	82
84) Naphthalene	13.448	128	967	0.12	ug/L	78
85) 1,2,3-Trichlorobenzene	13.601	180	301	0.14	ug/L	89

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041506.D
Acq On : 15 Apr 2020 9:15 pm
Operator : tb
Sample : 0D15055-CAL2
Misc : 1X 0.2ppb 5mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:37 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041507.D
 Acq On : 15 Apr 2020 9:42 pm
 Operator : tb
 Sample : 0D15055-CAL3
 Misc : 1X 0.4ppb 5mL DI+MeOH
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:42:58 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	119141	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.745	117	317563	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	145120	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	96204	46.62	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	365202	49.57	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	444371	46.51	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	116791	52.81	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.593	85	737	0.33	ug/L		Qvalue 78
3) Chloromethane	1.812	50	1582	0.47	ug/L		88
4) Vinyl Chloride	1.897	62	1521	0.42	ug/L		91
5) Bromomethane	2.250	96	2175	0.98	ug/L		93
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	2.506	101	181	0.30	ug/L		87
8) Ethanol	3.175	45	1959	34.10	ug/L	#	79
9) 1,1-Dichloroethene	3.065	61	1591	0.38	ug/L		81
10) Carbon Disulfide	3.084	76	2032	0.36	ug/L		76
11) Freon 113	3.114	101	926	0.41	ug/L		80
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.710	84	4810	1.77	ug/L		89
14) Acetone	3.795	43	2540	1.66	ug/L		99
15) t-1,2-Dichloroethene	3.868	61	1614	0.40	ug/L		83
16) n-Hexane	3.948	86	165	0.35	ug/L	#	92
17) Methyl-tert-butyl-ether	4.014	73	3830	0.40	ug/L		91
18) tert-Butanol (TBA)	4.167	59	11723	21.89	ug/L	#	98
19) Diisopropyl ether (DIPE)	4.404	45	1095	0.11	ug/L		90
20) 1,1-Dichloroethane	4.507	63	2072	0.39	ug/L		93
21) Acrylonitrile	4.592	53	547	0.31	ug/L		72
22) Ethyl-tert-butyl ether...	4.775	59	953	0.10	ug/L		86
23) c-1,2-Dichloroethene	5.067	61	1467	0.36	ug/L		93
24) 2,2-Dichloropropane	5.164	77	1211	0.40	ug/L		82
25) Bromochloromethane	5.262	49	1042	0.38	ug/L		84
26) Chloroform	5.347	83	1817	0.40	ug/L		93
27) Carbon Tetrachloride	5.475	117	352	0.22	ug/L		88
28) Tetrahydrofuran	5.511	42	1003	0.55	ug/L		87
29) 1,1,1-Trichloroethane	5.541	97	1158	0.35	ug/L		89
31) 1,1-Dichloropropene	5.675	75	1415	0.38	ug/L		84
32) 2-Butanone (MEK)	5.675	43	1984	0.84	ug/L		93
33) Benzene	5.925	78	4636	0.39	ug/L		91
34) tert-Amyl methyl ether...	6.059	73	940	0.11	ug/L		67
35) 1,2-Dichloroethane (EDC)	6.150	62	1718	0.41	ug/L		98
36) iso-Butyl Alcohol	6.241	43	2497	13.79	ug/L		89
38) Trichloroethene (TCE)	6.545	130	1119	0.40	ug/L		84
39) tert-Amyl ethyl ether ...	6.801	59	2121	0.30	ug/L		72
40) Dibromomethane	7.008	93	606	0.37	ug/L	#	69
41) 1,2-Dichloropropane	7.105	63	1245	0.40	ug/L		90
42) Bromodichloromethane	7.184	83	586	0.28	ug/L		65
44) c-1,3-Dichloropropene	7.890	75	1087	0.28	ug/L		80
46) Toluene	8.145	91	5045	0.40	ug/L		96
47) Tetrachloroethene (PCE)	8.601	166	940	0.35	ug/L		95
48) 4-Methyl-2-Pentanone (...)	8.595	43	3294	0.75	ug/L		98

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041507.D
 Acq On : 15 Apr 2020 9:42 pm
 Operator : tb
 Sample : 0D15055-CAL3
 Misc : 1X 0.4ppb 5mL DI+MeOH
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:42:58 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

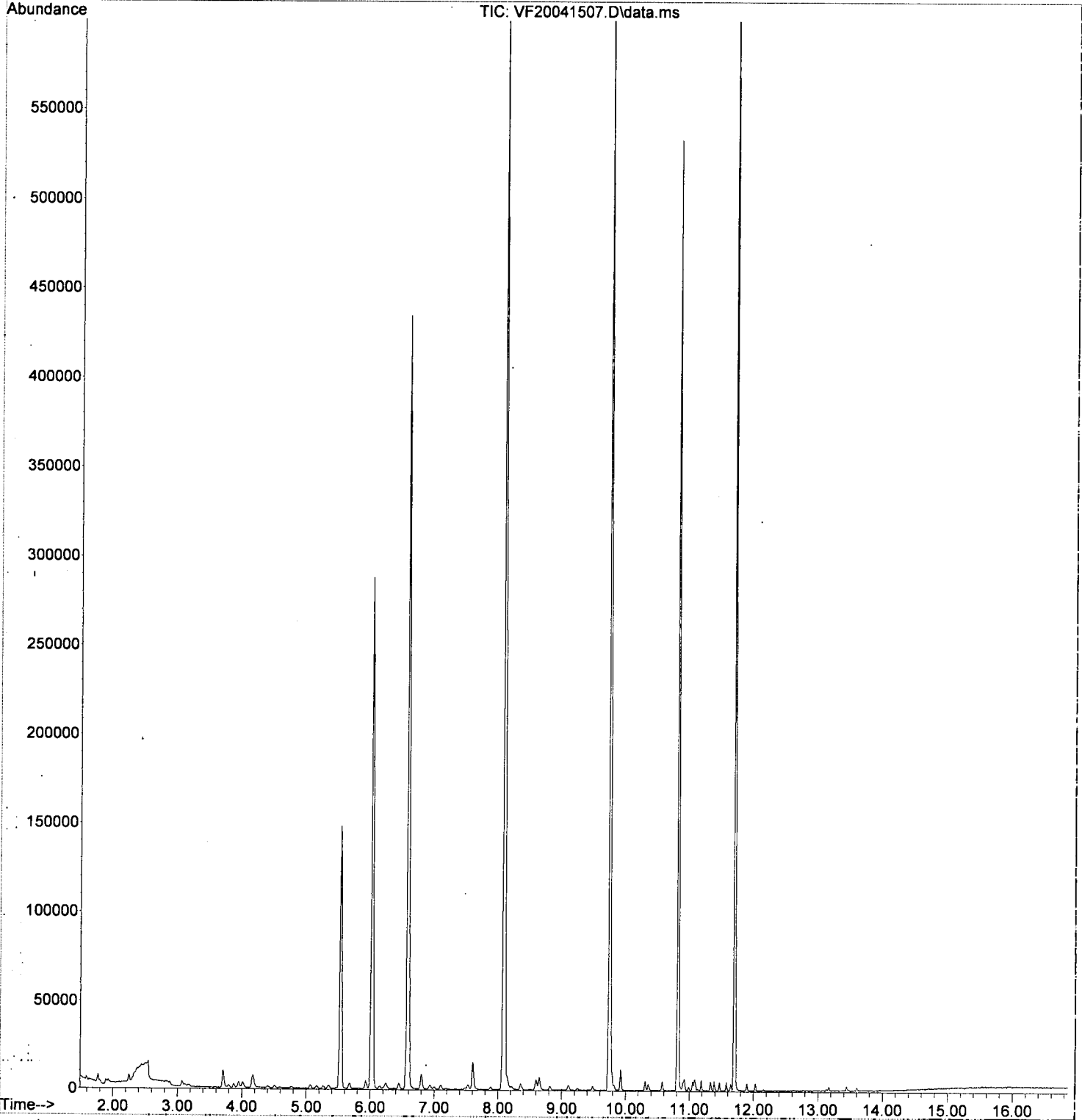
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.644	75	893	0.25	ug/L	92
50) 1,1,2-Trichloroethane	8.820	97	967	0.37	ug/L	87
51) Dibromochloromethane	8.997	129	196	0.18	ug/L #	15
52) 1,3-Dichloropropane	9.106	76	1920	0.37	ug/L	76
53) 1,2-Dibromoethane (EDB)	9.246	107	770	0.30	ug/L	94
54) 2-Hexanone	9.477	43	1679	0.54	ug/L	91
55) Chlorobenzene	9.757	112	3034	0.43	ug/L #	53
56) Ethylbenzene	9.788	91	4752	0.39	ug/L	92
57) 1,1,1,2-Tetrachloroethane	9.818	131	316	0.24	ug/L #	63
58) m,p-Xylenes (2)	9.922	91	6604	0.72	ug/L	91
59) o-Xylene	10.305	91	3284	0.36	ug/L	95
60) Styrene	10.353	104	2000	0.31	ug/L	99
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	10.579	105	3597	0.35	ug/L	97
65) Bromobenzene	10.901	156	1066	0.43	ug/L #	77
66) n-Propylbenzene	10.919	91	3988	0.35	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.986	83	996	0.36	ug/L	96
68) 2-Chlorotoluene	11.047	126	773	0.35	ug/L #	52
69) 1,3,5-Trimethylbenzene	11.077	105	2808	0.36	ug/L	95
70) 1,2,3-Trichloropropane	11.096	110	366	0.33	ug/L #	78
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.187	91	2650	0.38	ug/L	96
73) tert-Butylbenzene	11.333	91	1699	0.40	ug/L #	74
74) 1,2,4-Trimethylbenzene	11.388	105	2518	0.33	ug/L	97
75) sec-Butylbenzene	11.467	105	3075	0.35	ug/L	94
76) 4-Isopropyltoluene	11.576	119	2559	0.35	ug/L	97
77) 1,3-Dichlorobenzene	11.643	146	1654	0.40	ug/L	93
78) 1,4-Dichlorobenzene	11.710	146	1751	0.41	ug/L #	78
79) n-Butylbenzene	11.893	91	2409	0.38	ug/L	88
80) 1,2-Dichlorobenzene	12.026	146	1548	0.39	ug/L	88
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	13.134	223	140	0.27	ug/L	87
83) 1,2,4-Trichlorobenzene	13.170	180	696	0.31	ug/L	88
84) Naphthalene	13.444	128	1819	0.23	ug/L	89
85) 1,2,3-Trichlorobenzene	13.608	180	661	0.31	ug/L	91

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041507.D
Acq On : 15 Apr 2020 9:42 pm
Operator : tb
Sample : 0D15055-CAL3
Misc : 1X 0.4ppb 5mL DI+MeOH
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:42:58 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041507.D
 Acq On : 15 Apr 2020 9:42 pm
 Operator : tb
 Sample : 0D15055-CAL3
 Misc : 1X 0.4ppb 5mL DI+MeOH
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:39 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	119141	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.745	117	317563	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	145120	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	96204	46.62	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	365202	49.57	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	444371	46.51	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	116791	52.81	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.593	85	737	0.33	ug/L		78
3) Chloromethane	1.812	50	1582	0.47	ug/L		88
4) Vinyl Chloride	1.897	62	1521	0.42	ug/L		91
5) Bromomethane	2.250	96	2175	0.98	ug/L		93
6) Chloroethane	2.372	64	542	0.98	ug/L	#	1
7) Trichlorofluoromethane	2.506	101	181	0.30	ug/L		87
8) Ethanol	3.175	45	1959	34.10	ug/L	#	79
9) 1,1-Dichloroethene	3.065	61	1591	0.38	ug/L		81
10) Carbon Disulfide	3.084	76	2032	0.36	ug/L		76
11) Freon 113	3.114	101	926	0.41	ug/L		80
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.710	84	4810	1.77	ug/L		89
14) Acetone	3.795	43	2540	1.56	ug/L		99
15) t-1,2-Dichloroethene	3.868	61	1614	0.40	ug/L		83
16) n-Hexane	3.948	86	165	0.35	ug/L	#	92
17) Methyl-tert-butyl-ether	4.014	73	3830	0.40	ug/L		91
18) tert-Butanol (TBA)	4.167	59	11723	21.89	ug/L	#	98
19) Diisopropyl ether (DIPE)	4.404	45	1095	0.11	ug/L		90
20) 1,1-Dichloroethane	4.507	63	2072	0.39	ug/L		93
21) Acrylonitrile	4.592	53	547	0.31	ug/L		72
22) Ethyl-tert-butyl ether...	4.775	59	953	0.10	ug/L		86
23) c-1,2-Dichloroethene	5.067	61	1467	0.36	ug/L		93
24) 2,2-Dichloropropane	5.164	77	1211	0.40	ug/L		82
25) Bromochloromethane	5.262	49	1042	0.38	ug/L		84
26) Chloroform	5.347	83	1817	0.40	ug/L		93
27) Carbon Tetrachloride	5.475	117	352	0.22	ug/L		88
28) Tetrahydrofuran	5.511	42	1003	0.55	ug/L		87
29) 1,1,1-Trichloroethane	5.541	97	1158	0.35	ug/L		89
31) 1,1-Dichloropropene	5.675	75	1415	0.38	ug/L		84
32) 2-Butanone (MEK)	5.675	43	1984	0.84	ug/L		93
33) Benzene	5.925	78	4636	0.39	ug/L		91
34) tert-Amyl methyl ether...	6.059	73	940	0.11	ug/L		67
35) 1,2-Dichloroethane (EDC)	6.150	62	1718	0.41	ug/L		98
36) iso-Butyl Alcohol	6.241	43	2497	13.79	ug/L		89
38) Trichloroethene (TCE)	6.545	130	1119	0.40	ug/L		84
39) tert-Amyl ethyl ether ...	6.801	59	2121	0.30	ug/L		72
40) Dibromomethane	7.008	93	606	0.37	ug/L	#	69
41) 1,2-Dichloropropane	7.105	63	1245	0.40	ug/L		90
42) Bromodichloromethane	7.184	83	586	0.28	ug/L		65
44) c-1,3-Dichloropropene	7.890	75	1087	0.28	ug/L		80
46) Toluene	8.145	91	5045	0.40	ug/L		96
47) Tetrachloroethene (PCE)	8.601	166	940	0.35	ug/L		95
48) 4-Methyl-2-Pentanone (...)	8.595	43	3294	0.75	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041507.D
 Acq On : 15 Apr 2020 9:42 pm
 Operator : tb
 Sample : 0D15055-CAL3
 Misc : 1X 0.4ppb 5mL DI+MeOH
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

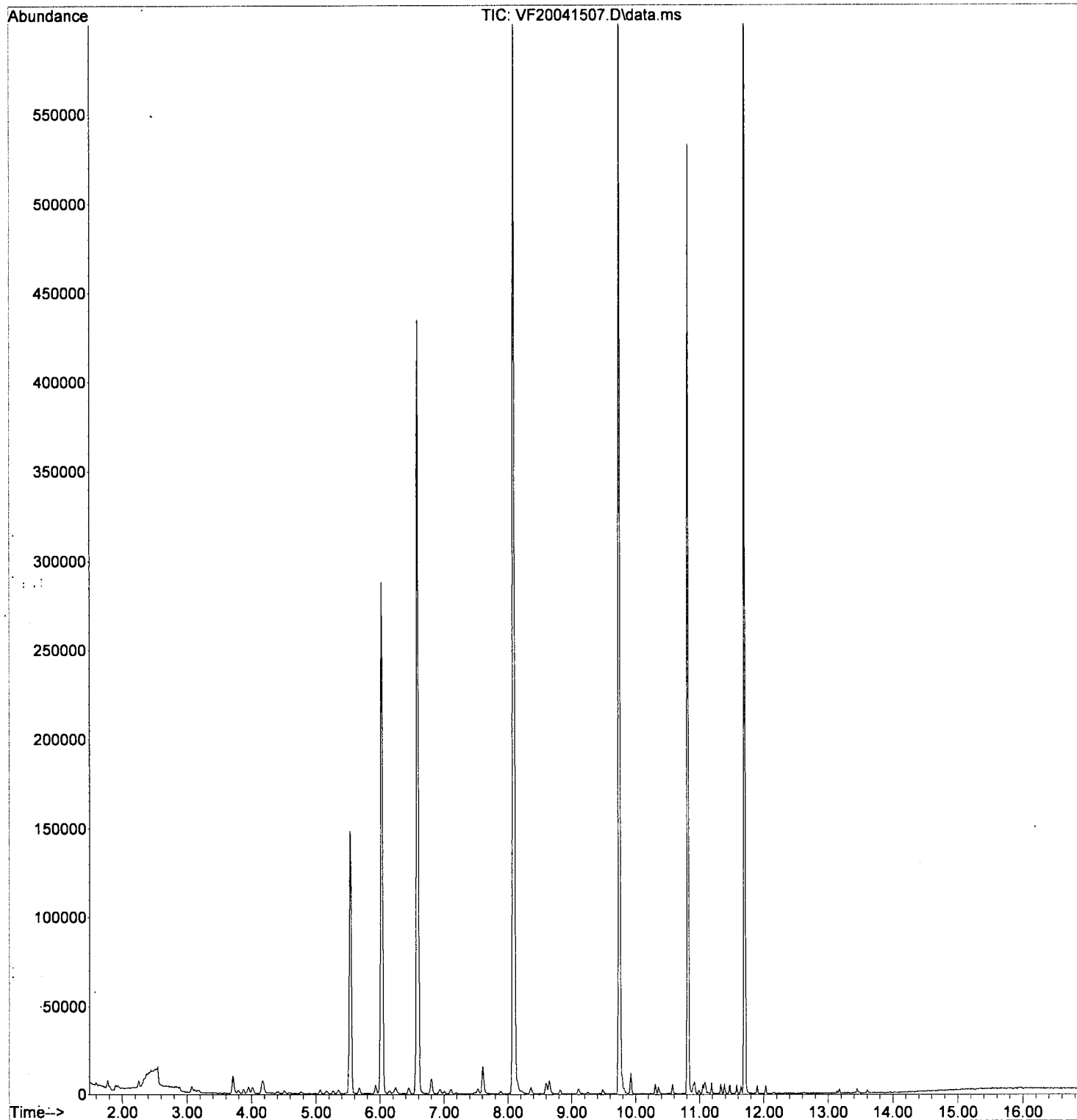
Quant Time: Apr 16 12:32:39 2020
 Quant Method : C:\msdchem\1\METHODS\VF20041507.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.644	75	893	0.25	ug/L	92
50) 1,1,2-Trichloroethane	8.820	97	967	0.37	ug/L	87
51) Dibromochloromethane	8.997	129	196	0.18	ug/L #	15
52) 1,3-Dichloropropane	9.106	76	1920	0.37	ug/L	76
53) 1,2-Dibromoethane (EDB)	9.246	107	770	0.30	ug/L	94
54) 2-Hexanone	9.477	43	1679	0.54	ug/L	91
55) Chlorobenzene	9.757	112	3034	0.43	ug/L #	53
56) Ethylbenzene	9.788	91	4752	0.39	ug/L	92
57) 1,1,1,2-Tetrachloroethane	9.818	131	316	0.24	ug/L #	63
58) m,p-Xylenes (2)	9.922	91	6604	0.72	ug/L	91
59) o-Xylene	10.305	91	3284	0.36	ug/L	95
60) Styrene	10.353	104	2000	0.31	ug/L	99
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	10.579	105	3597	0.35	ug/L	97
65) Bromobenzene	10.901	156	1066	0.43	ug/L #	77
66) n-Propylbenzene	10.919	91	3988	0.35	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.986	83	996	0.36	ug/L	96
68) 2-Chlorotoluene	11.047	126	773	0.35	ug/L #	52
69) 1,3,5-Trimethylbenzene	11.077	105	2808	0.36	ug/L	95
70) 1,2,3-Trichloropropane	11.096	110	366	0.33	ug/L #	78
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.187	91	2650	0.38	ug/L	96
73) tert-Butylbenzene	11.333	91	1699	0.40	ug/L #	74
74) 1,2,4-Trimethylbenzene	11.388	105	2518	0.33	ug/L	97
75) sec-Butylbenzene	11.467	105	3075	0.35	ug/L	94
76) 4-Isopropyltoluene	11.576	119	2559	0.35	ug/L	97
77) 1,3-Dichlorobenzene	11.643	146	1654	0.40	ug/L	93
78) 1,4-Dichlorobenzene	11.710	146	1751	0.41	ug/L #	78
79) n-Butylbenzene	11.893	91	2409	0.38	ug/L	88
80) 1,2-Dichlorobenzene	12.026	146	1548	0.39	ug/L	88
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	13.134	223	140	0.27	ug/L	87
83) 1,2,4-Trichlorobenzene	13.170	180	696	0.31	ug/L	88
84) Naphthalene	13.444	128	1819	0.23	ug/L	89
85) 1,2,3-Trichlorobenzene	13.608	180	661	0.31	ug/L	91

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041507.D
Acq On : 15 Apr 2020 9:42 pm
Operator : tb
Sample : 0D15055-CAL3
Misc : 1X 0.4ppb 5mL DI+MeOH
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:39 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X 1ppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:44:21 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

~~10/6/20~~
 4/16/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.023	99	115073	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.740	117	299611	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	129956	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.536	111	93045	46.68	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	356414	50.09	ug/L	0.00	
45) Toluene-d8 (S)	8.091	98	426535	47.32	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	106162	53.61	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.606	85	2096	0.97	ug/L		Qvalue 94
3) Chloromethane	1.813	50	3363	1.03	ug/L		96
4) Vinyl Chloride	1.910	62	3504	1.01	ug/L		94
5) Bromomethane	2.263	96	3689	1.72	ug/L		97
6) Chloroethane	2.385	64	634	1.19	ug/L	#	1
7) Trichlorofluoromethane	2.507	101	453	0.79	ug/L		96
8) Ethanol	3.188	45	3878	69.89	ug/L		85
9) 1,1-Dichloroethene	3.078	61	4001	1.00	ug/L		78
10) Carbon Disulfide	3.091	76	4450	0.82	ug/L		97
11) Freon 113	3.121	101	2024	0.94	ug/L		84
12) Iodomethane	0.000		0	N.D.	d		
13) Methylene Chloride	3.717	84	6142	2.34	ug/L		89
14) Acetone	3.802	43	4369	2.95	ug/L		90
15) t-1,2-Dichloroethene	3.881	61	3678	0.94	ug/L		94
16) n-Hexane	3.954	86	454	1.01	ug/L	#	87
17) Methyl-tert-butyl-ether	4.027	73	8674	0.95	ug/L		98
18) tert-Butanol (TBA)	4.192	59	26699	51.61	ug/L	#	97
19) Diisopropyl ether (DIPE)	4.417	45	2375	0.24	ug/L		98
20) 1,1-Dichloroethane	4.514	63	4671	0.91	ug/L		94
21) Acrylonitrile	4.593	53	1376	0.81	ug/L		96
22) Ethyl-tert-butyl ether...	4.782	59	2295	0.25	ug/L		97
23) c-1,2-Dichloroethene	5.074	61	3670	0.94	ug/L		86
24) 2,2-Dichloropropane	5.171	77	2712	0.92	ug/L		82
25) Bromochloromethane	5.262	49	2548	0.97	ug/L	#	66
26) Chloroform	5.354	83	4034	0.92	ug/L		96
27) Carbon Tetrachloride	5.481	117	1031	0.68	ug/L		92
28) Tetrahydrofuran	5.524	42	2145	1.22	ug/L		88
29) 1,1,1-Trichloroethane	5.548	97	2702	0.84	ug/L		85
31) 1,1-Dichloropropene	5.676	75	3317	0.91	ug/L		94
32) 2-Butanone (MEK)	5.676	43	4121	1.81	ug/L		96
33) Benzene	5.932	78	10980	0.96	ug/L		96
34) tert-Amyl methyl ether...	6.065	73	2251	0.26	ug/L		87
35) 1,2-Dichloroethane (EDC)	6.151	62	3878	0.95	ug/L		98
36) iso-Butyl Alcohol	6.236	43	3924	22.44	ug/L		79
38) Trichloroethene (TCE)	6.552	130	2609	0.97	ug/L		90
39) tert-Amyl ethyl ether ...	6.801	59	3107	0.45	ug/L		80
40) Dibromomethane	7.002	93	1467	0.92	ug/L	#	73
41) 1,2-Dichloropropane	7.106	63	2710	0.91	ug/L		89
42) Bromodichloromethane	7.185	83	1461	0.72	ug/L		91
44) c-1,3-Dichloropropene	7.890	75	2583	0.71	ug/L		79
46) Toluene	8.152	91	11070	0.93	ug/L		99
47) Tetrachloroethene (PCE)	8.602	166	2223	0.88	ug/L		94
48) 4-Methyl-2-Pentanone (...)	8.602	43	6896	1.66	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X 1ppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:44:21 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

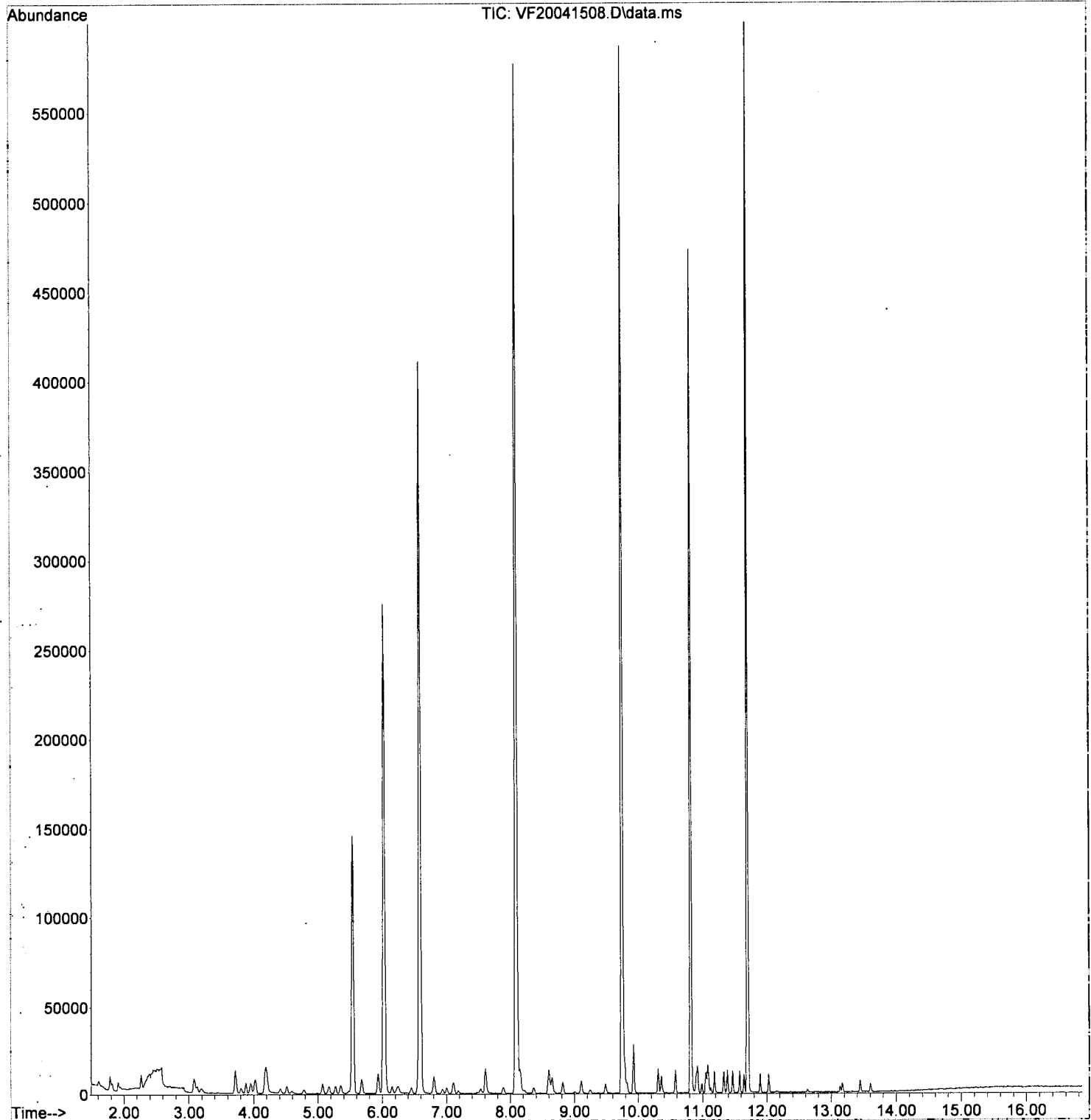
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.645	75	2250	0.67	ug/L	98
50) 1,1,2-Trichloroethane	8.815	97	2223	0.89	ug/L	89
51) Dibromochloromethane	9.010	129	626	0.62	ug/L	95
52) 1,3-Dichloropropane	9.107	76	4487	0.93	ug/L	91
53) 1,2-Dibromoethane (EDB)	9.247	107	1853	0.76	ug/L	86
54) 2-Hexanone	9.484	43	4226	1.44	ug/L	94
55) Chlorobenzene	9.758	112	6552	0.98	ug/L	75
56) Ethylbenzene	9.788	91	10437	0.90	ug/L	94
57) 1,1,1,2-Tetrachloroethane	9.825	131	811	0.65	ug/L	87
58) m,p-Xylenes (2)	9.922	91	14916	1.72	ug/L	97
59) o-Xylene	10.306	91	7346	0.86	ug/L	93
60) Styrene	10.360	104	4450	0.72	ug/L	99
61) Bromoform	10.379	173	291	0.59	ug/L #	35
62) Isopropylbenzene	10.579	105	7961	0.82	ug/L	97
65) Bromobenzene	10.902	156	2235	1.01	ug/L	88
66) n-Propylbenzene	10.920	91	9464	0.94	ug/L	99
67) 1,1,2,2-Tetrachloroethane	10.987	83	2070	0.84	ug/L	98
68) 2-Chlorotoluene	11.048	126	1905	0.97	ug/L #	62
69) 1,3,5-Trimethylbenzene	11.078	105	6377	0.92	ug/L	96
70) 1,2,3-Trichloropropane	11.096	110	907	0.92	ug/L	81
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.182	91	5924	0.95	ug/L	97
73) tert-Butylbenzene	11.334	91	3523	0.94	ug/L	90
74) 1,2,4-Trimethylbenzene	11.388	105	5961	0.86	ug/L	98
75) sec-Butylbenzene	11.467	105	7332	0.93	ug/L	97
76) 4-Isopropyltoluene	11.577	119	5668	0.87	ug/L	97
77) 1,3-Dichlorobenzene	11.644	146	3425	0.93	ug/L	99
78) 1,4-Dichlorobenzene	11.711	146	3748	0.98	ug/L	81
79) n-Butylbenzene	11.893	91	4992	0.88	ug/L	89
80) 1,2-Dichlorobenzene	12.027	146	3468	0.98	ug/L	89
81) 1,2-Dibromo-3-Chloropr...	12.636	157	214	0.63	ug/L #	1
82) Hexachlorobutadiene	13.134	223	437	0.93	ug/L #	77
83) 1,2,4-Trichlorobenzene	13.171	180	1729	0.87	ug/L	97
84) Naphthalene	13.445	128	4911	0.68	ug/L	100
85) 1,2,3-Trichlorobenzene	13.609	180	1635	0.84	ug/L	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041508.D
Acq On : 15 Apr 2020 10:09 pm
Operator : tb
Sample : 0D15055-CAL4
Misc : 1X 1ppb 5mL DI+MeOH
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:44:21 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X 1ppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:41 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415.S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.023	99	115073	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.740	117	299611	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	129956	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.536	111	93045	46.68	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	356414	50.09	ug/L	0.00	
45) Toluene-d8 (S)	8.091	98	426535	47.32	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	106162	53.61	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.606	85	2096	0.97	ug/L		94
3) Chloromethane	1.813	50	3363	1.03	ug/L		96
4) Vinyl Chloride	1.910	62	3504	1.01	ug/L		94
5) Bromomethane	2.263	96	3689	1.72	ug/L		97
6) Chloroethane	2.385	64	634	1.19	ug/L	#	1
7) Trichlorofluoromethane	2.507	101	453	0.79	ug/L		96
8) Ethanol	3.188	45	3878	69.89	ug/L		85
9) 1,1-Dichloroethene	3.078	61	4001	1.00	ug/L		78
10) Carbon Disulfide	3.091	76	4450	0.82	ug/L		97
11) Freon 113	3.121	101	2024	0.94	ug/L		84
12) Iodomethane	3.237	142	101	0.14	ug/L	#	47
13) Methylene Chloride	3.717	84	6142	2.34	ug/L		89
14) Acetone	3.802	43	4369	2.95	ug/L		90
15) t-1,2-Dichloroethene	3.881	61	3678	0.94	ug/L		94
16) n-Hexane	3.954	86	454	1.01	ug/L	#	87
17) Methyl-tert-butyl-ether	4.027	73	8674	0.95	ug/L		98
18) tert-Butanol (TBA)	4.192	59	26699	51.61	ug/L	#	97
19) Diisopropyl ether (DIPE)	4.417	45	2375	0.24	ug/L		98
20) 1,1-Dichloroethane	4.514	63	4671	0.91	ug/L		94
21) Acrylonitrile	4.593	53	1376	0.81	ug/L		96
22) Ethyl-tert-butyl ether...	4.782	59	2295	0.25	ug/L		97
23) c-1,2-Dichloroethene	5.074	61	3670	0.94	ug/L		86
24) 2,2-Dichloropropane	5.171	77	2712	0.92	ug/L		82
25) Bromochloromethane	5.262	49	2548	0.97	ug/L	#	66
26) Chloroform	5.354	83	4034	0.92	ug/L		96
27) Carbon Tetrachloride	5.481	117	1031	0.68	ug/L		92
28) Tetrahydrofuran	5.524	42	2145	1.22	ug/L		88
29) 1,1,1-Trichloroethane	5.548	97	2702	0.84	ug/L		85
31) 1,1-Dichloropropene	5.676	75	3317	0.91	ug/L		94
32) 2-Butanone (MEK)	5.676	43	4121	1.81	ug/L		96
33) Benzene	5.932	78	10980	0.96	ug/L		96
34) tert-Amyl methyl ether...	6.065	73	2251	0.26	ug/L		87
35) 1,2-Dichloroethane (EDC)	6.151	62	3878	0.95	ug/L		98
36) iso-Butyl Alcohol	6.236	43	3924	22.44	ug/L		79
38) Trichloroethene (TCE)	6.552	130	2609	0.97	ug/L		90
39) tert-Amyl ethyl ether ...	6.801	59	3107	0.45	ug/L		80
40) Dibromomethane	7.002	93	1467	0.92	ug/L	#	73
41) 1,2-Dichloropropane	7.106	63	2710	0.91	ug/L		89
42) Bromodichloromethane	7.185	83	1461	0.72	ug/L		91
44) c-1,3-Dichloropropene	7.890	75	2583	0.71	ug/L		79
46) Toluene	8.152	91	11070	0.93	ug/L		99
47) Tetrachloroethene (PCE)	8.602	166	2223	0.88	ug/L		94
48) 4-Methyl-2-Pentanone (...)	8.602	43	6896	1.65	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041508.D
 Acq On : 15 Apr 2020 10:09 pm
 Operator : tb
 Sample : 0D15055-CAL4
 Misc : 1X 1ppb 5mL DI+MeOH
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

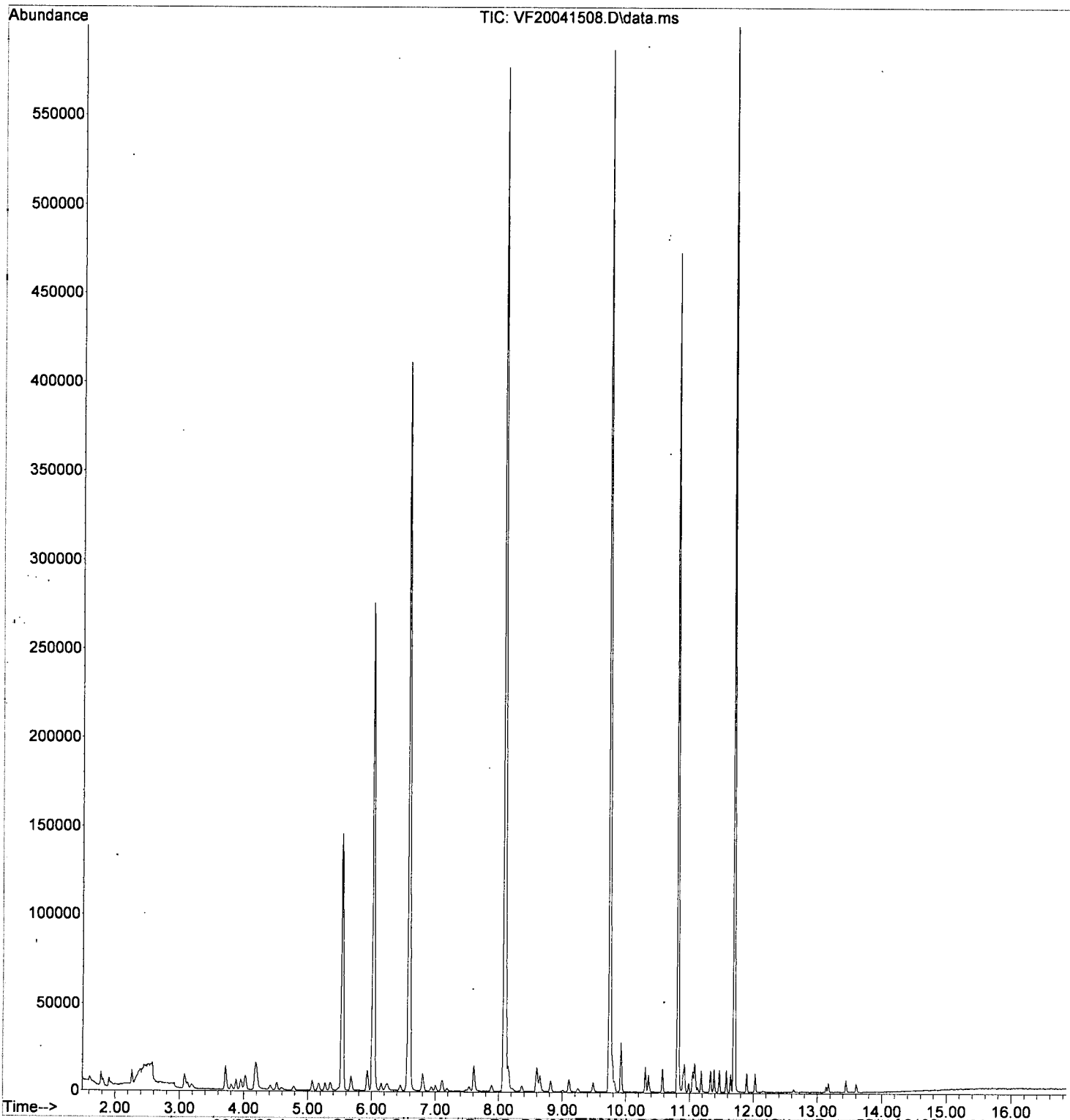
Quant Time: Apr 16 12:32:41 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.645	75	2250	0.67	ug/L	98
50) 1,1,2-Trichloroethane	8.815	97	2223	0.89	ug/L	89
51) Dibromochloromethane	9.010	129	626	0.62	ug/L	95
52) 1,3-Dichloropropane	9.107	76	4487	0.93	ug/L	91
53) 1,2-Dibromoethane (EDB)	9.247	107	1853	0.76	ug/L	86
54) 2-Hexanone	9.484	43	4226	1.44	ug/L	94
55) Chlorobenzene	9.758	112	6552	0.98	ug/L	75
56) Ethylbenzene	9.788	91	10437	0.90	ug/L	94
57) 1,1,1,2-Tetrachloroethane	9.825	131	811	0.65	ug/L	87
58) m,p-Xylenes (2)	9.922	91	14916	1.72	ug/L	97
59) o-Xylene	10.306	91	7346	0.86	ug/L	93
60) Styrene	10.360	104	4450	0.72	ug/L	99
61) Bromoform	10.379	173	291	0.59	ug/L #	35
62) Isopropylbenzene	10.579	105	7961	0.82	ug/L	97
65) Bromobenzene	10.902	156	2235	1.01	ug/L	88
66) n-Propylbenzene	10.920	91	9464	0.94	ug/L	99
67) 1,1,2,2-Tetrachloroethane	10.987	83	2070	0.84	ug/L	98
68) 2-Chlorotoluene	11.048	126	1905	0.97	ug/L #	62
69) 1,3,5-Trimethylbenzene	11.078	105	6377	0.92	ug/L	96
70) 1,2,3-Trichloropropane	11.096	110	907	0.92	ug/L	81
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
72) 4-Chlorotoluene	11.182	91	5924	0.95	ug/L	97
73) tert-Butylbenzene	11.334	91	3523	0.94	ug/L	90
74) 1,2,4-Trimethylbenzene	11.388	105	5961	0.86	ug/L	98
75) sec-Butylbenzene	11.467	105	7332	0.93	ug/L	97
76) 4-Isopropyltoluene	11.577	119	5668	0.87	ug/L	97
77) 1,3-Dichlorobenzene	11.644	146	3425	0.93	ug/L	99
78) 1,4-Dichlorobenzene	11.711	146	3748	0.98	ug/L	81
79) n-Butylbenzene	11.893	91	4992	0.88	ug/L	89
80) 1,2-Dichlorobenzene	12.027	146	3468	0.98	ug/L	89
81) 1,2-Dibromo-3-Chloropr...	12.636	157	214	0.63	ug/L #	1
82) Hexachlorobutadiene	13.134	223	437	0.93	ug/L #	77
83) 1,2,4-Trichlorobenzene	13.171	180	1729	0.87	ug/L	97
84) Naphthalene	13.445	128	4911	0.68	ug/L	100
85) 1,2,3-Trichlorobenzene	13.609	180	1635	0.84	ug/L	99

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041508.D
Acq On : 15 Apr 2020 10:09 pm
Operator : tb
Sample : 0D15055-CAL4
Misc : 1X 1ppb 5mL DI+MeOH
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:41 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

4/16/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.016	99	111368	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	282693	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	123923	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.530	111	90234	46.78	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	344579	50.04	ug/L	0.00	
45) Toluene-d8 (S)	8.091	98	415286	48.83	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	98914	52.38	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.594	85	4146	1.98	ug/L		95
3) Chloromethane	1.801	50	6385	2.02	ug/L		95
4) Vinyl Chloride	1.898	62	6817	2.03	ug/L		97
5) Bromomethane	2.251	96	6248	3.02	ug/L		94
6) Chloroethane	2.372	64	1295	2.51	ug/L #		1
7) Trichlorofluoromethane	2.500	101	1315	2.86	ug/L #		65
8) Ethanol	3.181	45	6447	120.06	ug/L		96
9) 1,1-Dichloroethene	3.066	61	7468	1.92	ug/L		77
10) Carbon Disulfide	3.078	76	9464	1.81	ug/L		98
11) Freon 113	3.115	101	4162	1.99	ug/L		77
12) Iodomethane	3.218	142	446	0.63	ug/L #		83
13) Methylene Chloride	3.711	84	8426	3.31	ug/L		87
14) Acetone	3.790	43	6966	4.86	ug/L		97
15) t-1,2-Dichloroethene	3.869	61	7160	1.90	ug/L		94
16) n-Hexane	3.942	86	873	2.01	ug/L		95
17) Methyl-tert-butyl-ether	4.015	73	17137	1.94	ug/L		92
18) tert-Butanol (TBA)	4.179	59	53674	107.20	ug/L #		95
19) Diisopropyl ether (DIPE)	4.404	45	4870	0.50	ug/L		92
20) 1,1-Dichloroethane	4.508	63	9565	1.93	ug/L		95
21) Acrylonitrile	4.581	53	2862	1.75	ug/L		96
22) Ethyl-tert-butyl ether...	4.769	59	4542	0.52	ug/L		91
23) c-1,2-Dichloroethene	5.061	61	7427	1.96	ug/L		91
24) 2,2-Dichloropropane	5.165	77	5278	1.86	ug/L		91
25) Bromochloromethane	5.262	49	5054	1.99	ug/L		84
26) Chloroform	5.347	83	8234	1.94	ug/L		96
27) Carbon Tetrachloride	5.469	117	2290	1.55	ug/L		92
28) Tetrahydrofuran	5.518	42	3513	2.06	ug/L		98
29) 1,1,1-Trichloroethane	5.542	97	5220	1.67	ug/L		89
31) 1,1-Dichloropropene	5.676	75	6630	1.88	ug/L		97
32) 2-Butanone (MEK)	5.670	43	8538	3.87	ug/L		94
33) Benzene	5.925	78	22077	1.99	ug/L		97
34) tert-Amyl methyl ether...	6.053	73	4104	0.50	ug/L		93
35) 1,2-Dichloroethane (EDC)	6.144	62	7668	1.95	ug/L		95
36) iso-Butyl Alcohol	6.223	43	6920	40.88	ug/L		96
38) Trichloroethene (TCE)	6.546	130	5044	1.94	ug/L		91
39) tert-Amyl ethyl ether ...	6.807	59	4604	0.69	ug/L		94
40) Dibromomethane	7.002	93	2801	1.81	ug/L		86
41) 1,2-Dichloropropane	7.105	63	5706	1.98	ug/L		93
42) Bromodichloromethane	7.184	83	3276	1.66	ug/L		96
44) c-1,3-Dichloropropene	7.884	75	5248	1.53	ug/L		79
46) Toluene	8.152	91	21777	1.93	ug/L		99
47) Tetrachloroethene (PCE)	8.596	166	4534	1.91	ug/L		86
48) 4-Methyl-2-Pentanone (...)	8.596	43	13319	3.40	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

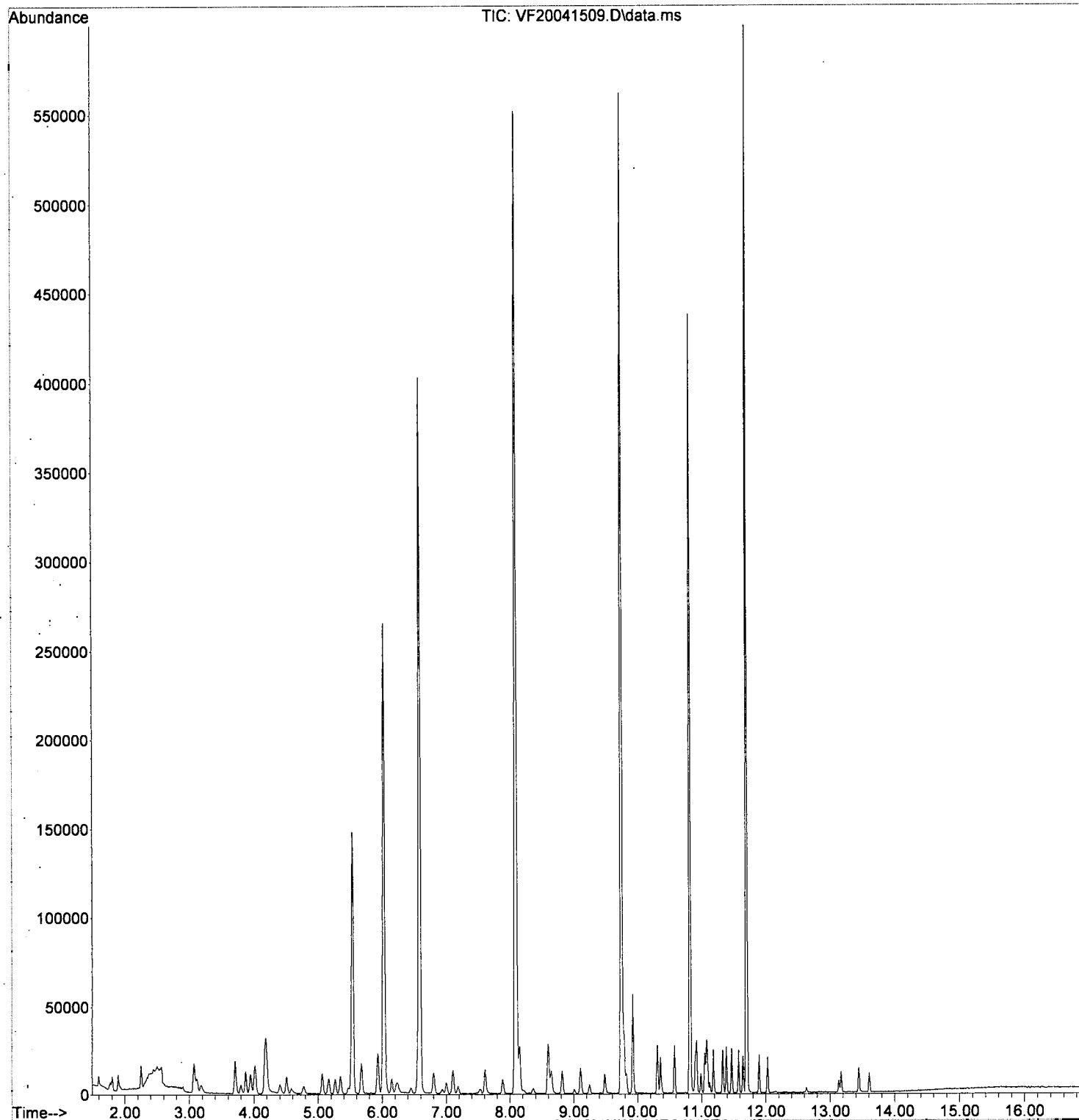
Quant Time: Apr 16 12:32:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.644	75	4684	1.47	ug/L	95
50) 1,1,2-Trichloroethane	8.815	97	4316	1.83	ug/L	98
51) Dibromochloromethane	9.003	129	1456	1.52	ug/L	97
52) 1,3-Dichloropropane	9.107	76	8767	1.92	ug/L	90
53) 1,2-Dibromoethane (EDB)	9.241	107	3813	1.56	ug/L	90
54) 2-Hexanone	9.478	43	8440	3.05	ug/L	87
55) Chlorobenzene	9.758	112	12590	2.00	ug/L	92
56) Ethylbenzene	9.782	91	21201	1.94	ug/L	95
57) 1,1,1,2-Tetrachloroethane	9.819	131	1631	1.38	ug/L	86
58) m,p-Xylenes (2)	9.922	91	29860	3.64	ug/L	94
59) o-Xylene	10.305	91	14549	1.82	ug/L	98
60) Styrene	10.354	104	9007	1.55	ug/L	86
61) Bromoform	10.378	173	578	1.24	ug/L	88
62) Isopropylbenzene	10.573	105	16178	1.77	ug/L	98
65) Bromobenzene	10.901	156	4185	1.98	ug/L #	83
66) n-Propylbenzene	10.920	91	18708	1.95	ug/L	100
67) 1,1,2,2-Tetrachloroethane	10.987	83	4164	1.77	ug/L	96
68) 2-Chlorotoluene	11.047	126	3756	2.00	ug/L #	65
69) 1,3,5-Trimethylbenzene	11.078	105	12502	1.89	ug/L	97
70) 1,2,3-Trichloropropane	11.096	110	1808	1.93	ug/L	96
71) t-1,4-Dichloro-2-butene	11.126	88	239	1.16	ug/L #	35
72) 4-Chlorotoluene	11.181	91	11786	1.99	ug/L	92
73) tert-Butylbenzene	11.327	91	6938	1.93	ug/L	86
74) 1,2,4-Trimethylbenzene	11.388	105	12311	1.87	ug/L	99
75) sec-Butylbenzene	11.467	105	14423	1.92	ug/L	95
76) 4-Isopropyltoluene	11.577	119	11620	1.88	ug/L	97
77) 1,3-Dichlorobenzene	11.644	146	6836	1.95	ug/L	95
78) 1,4-Dichlorobenzene	11.710	146	7346	2.01	ug/L	89
79) n-Butylbenzene	11.893	91	10083	1.85	ug/L	91
80) 1,2-Dichlorobenzene	12.027	146	6603	1.95	ug/L	94
81) 1,2-Dibromo-3-Chloropr...	12.629	157	364	1.12	ug/L #	1
82) Hexachlorobutadiene	13.134	223	831	1.85	ug/L	97
83) 1,2,4-Trichlorobenzene	13.171	180	3434	1.81	ug/L	94
84) Naphthalene	13.444	128	10317	1.50	ug/L	100
85) 1,2,3-Trichlorobenzene	13.609	180	3389	1.83	ug/L	95

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041509.D
Acq On : 15 Apr 2020 10:36 pm
Operator : tb
Sample : 0D15055-CAL5
Misc : 1X 2ppb 5mL DI+MeOH
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:43 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.016	99	111368	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	282693	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	123923	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.530	111	90234	46.78	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	344579	50.04	ug/L	0.00	
45) Toluene-d8 (S)	8.091	98	415286	48.83	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	98914	52.38	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.594	85	4146	1.98	ug/L		95
3) Chloromethane	1.801	50	6385	2.02	ug/L		95
4) Vinyl Chloride	1.898	62	6817	2.03	ug/L		97
5) Bromomethane	2.251	96	6248	3.02	ug/L		94
6) Chloroethane	2.372	64	1295	2.51	ug/L	#	1
7) Trichlorofluoromethane	2.500	101	1315	2.36	ug/L	#	65
8) Ethanol	3.181	45	6447	120.06	ug/L		96
9) 1,1-Dichloroethene	3.066	61	7468	1.92	ug/L		77
10) Carbon Disulfide	3.078	76	9464	1.81	ug/L		98
11) Freon 113	3.115	101	4162	1.99	ug/L		77
12) Iodomethane	3.218	142	446	0.63	ug/L	#	83
13) Methylene Chloride	3.711	84	8426	3.31	ug/L		87
14) Acetone	3.790	43	6966	4.86	ug/L		97
15) t-1,2-Dichloroethene	3.869	61	7160	1.90	ug/L		94
16) n-Hexane	3.942	86	873	2.01	ug/L		95
17) Methyl-tert-butyl-ether	4.015	73	17137	1.94	ug/L		92
18) tert-Butanol (TBA)	4.179	59	53674	107.20	ug/L	#	95
19) Diisopropyl ether (DIPE)	4.404	45	4870	0.50	ug/L		92
20) 1,1-Dichloroethane	4.508	63	9565	1.93	ug/L		95
21) Acrylonitrile	4.581	53	2862	1.75	ug/L		96
22) Ethyl-tert-butyl ether...	4.769	59	4542	0.52	ug/L		91
23) c-1,2-Dichloroethene	5.061	61	7427	1.96	ug/L		91
24) 2,2-Dichloropropane	5.165	77	5278	1.86	ug/L		91
25) Bromochloromethane	5.262	49	5054	1.99	ug/L		84
26) Chloroform	5.347	83	8234	1.94	ug/L		96
27) Carbon Tetrachloride	5.469	117	2290	1.55	ug/L		92
28) Tetrahydrofuran	5.518	42	3513	2.06	ug/L		98
29) 1,1,1-Trichloroethane	5.542	97	5220	1.67	ug/L		89
31) 1,1-Dichloropropene	5.676	75	6630	1.88	ug/L		97
32) 2-Butanone (MEK)	5.670	43	8538	3.87	ug/L		94
33) Benzene	5.925	78	22077	1.99	ug/L		97
34) tert-Amyl methyl ether...	6.053	73	4104	0.50	ug/L		93
35) 1,2-Dichloroethane (EDC)	6.144	62	7668	1.95	ug/L		95
36) iso-Butyl Alcohol	6.223	43	6920	40.88	ug/L		96
38) Trichloroethene (TCE)	6.546	130	5044	1.94	ug/L		91
39) tert-Amyl ethyl ether ...	6.807	59	4604	0.69	ug/L		94
40) Dibromomethane	7.002	93	2801	1.81	ug/L		86
41) 1,2-Dichloropropane	7.105	63	5706	1.98	ug/L		93
42) Bromodichloromethane	7.184	83	3276	1.66	ug/L		96
44) c-1,3-Dichloropropene	7.884	75	5248	1.53	ug/L		79
46) Toluene	8.152	91	21777	1.93	ug/L		99
47) Tetrachloroethene (PCE)	8.596	166	4534	1.91	ug/L		86
48) 4-Methyl-2-Pentanone (...)	8.596	43	13319	3.40	ug/L		94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041509.D
 Acq On : 15 Apr 2020 10:36 pm
 Operator : tb
 Sample : 0D15055-CAL5
 Misc : 1X 2ppb 5mL DI+MeOH
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

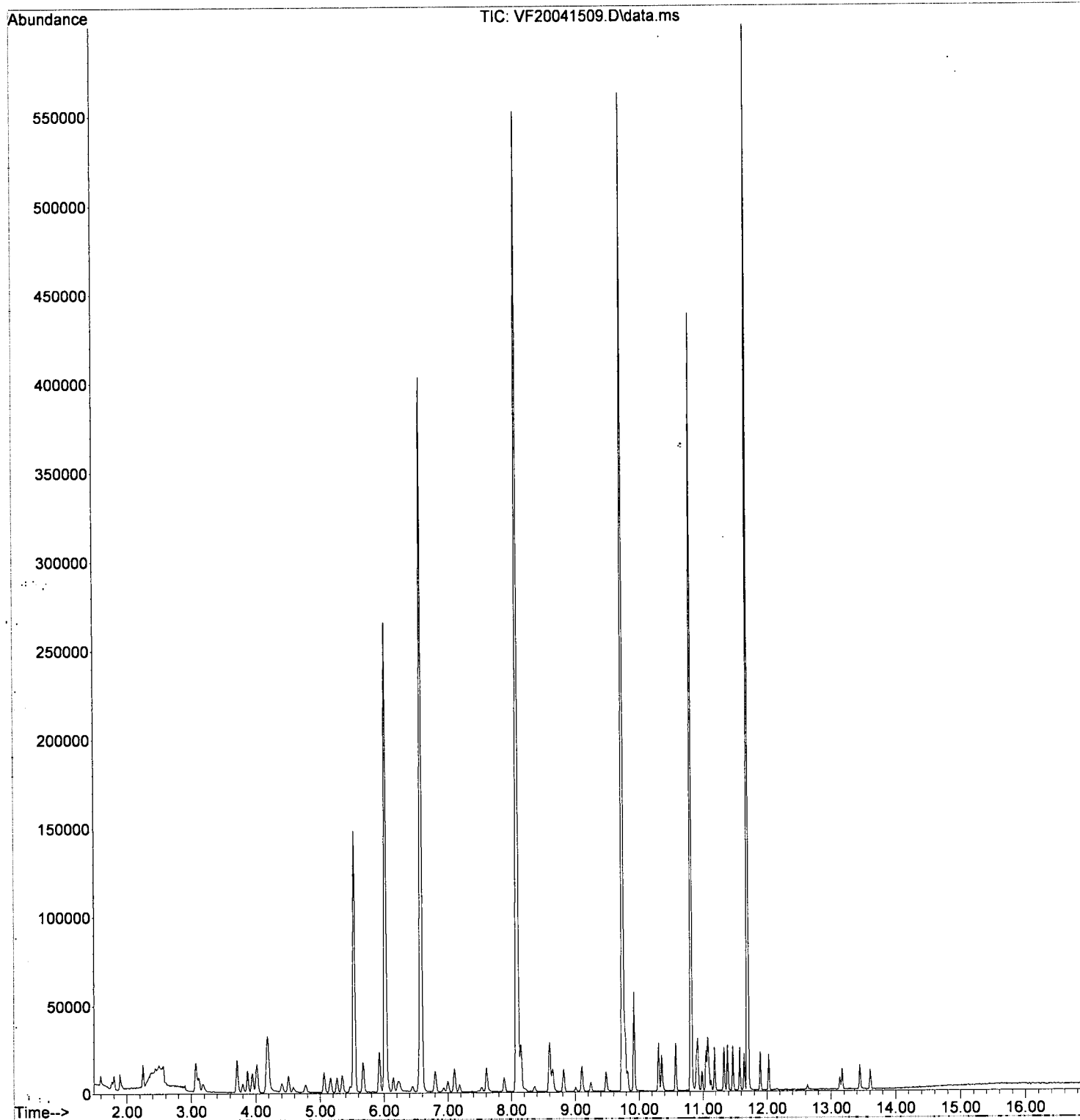
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.644	75	4684	1.47	ug/L	95
50) 1,1,2-Trichloroethane	8.815	97	4316	1.83	ug/L	98
51) Dibromochloromethane	9.003	129	1456	1.52	ug/L	97
52) 1,3-Dichloropropane	9.107	76	8767	1.92	ug/L	90
53) 1,2-Dibromoethane (EDB)	9.241	107	3813	1.66	ug/L	90
54) 2-Hexanone	9.478	43	8440	3.05	ug/L	87
55) Chlorobenzene	9.758	112	12590	2.00	ug/L	92
56) Ethylbenzene	9.782	91	21201	1.94	ug/L	95
57) 1,1,1,2-Tetrachloroethane	9.819	131	1631	1.38	ug/L	86
58) m,p-Xylenes (2)	9.922	91	29860	3.64	ug/L	94
59) o-Xylene	10.305	91	14549	1.82	ug/L	98
60) Styrene	10.354	104	9007	1.55	ug/L	86
61) Bromoform	10.378	173	578	1.24	ug/L	88
62) Isopropylbenzene	10.573	105	16178	1.77	ug/L	98
65) Bromobenzene	10.901	156	4185	1.98	ug/L #	83
66) n-Propylbenzene	10.920	91	18708	1.95	ug/L	100
67) 1,1,2,2-Tetrachloroethane	10.987	83	4164	1.77	ug/L	96
68) 2-Chlorotoluene	11.047	126	3756	2.00	ug/L #	65
69) 1,3,5-Trimethylbenzene	11.078	105	12502	1.89	ug/L	97
70) 1,2,3-Trichloropropane	11.096	110	1808	1.93	ug/L	96
71) t-1,4-Dichloro-2-butene	11.126	88	239	1.16	ug/L #	35
72) 4-Chlorotoluene	11.181	91	11786	1.99	ug/L	92
73) tert-Butylbenzene	11.327	91	6938	1.93	ug/L	86
74) 1,2,4-Trimethylbenzene	11.388	105	12311	1.87	ug/L	99
75) sec-Butylbenzene	11.467	105	14423	1.92	ug/L	95
76) 4-Isopropyltoluene	11.577	119	11620	1.88	ug/L	97
77) 1,3-Dichlorobenzene	11.644	146	6836	1.95	ug/L	95
78) 1,4-Dichlorobenzene	11.710	146	7346	2.01	ug/L	89
79) n-Butylbenzene	11.893	91	10083	1.86	ug/L	91
80) 1,2-Dichlorobenzene	12.027	146	6603	1.96	ug/L	94
81) 1,2-Dibromo-3-Chloropr...	12.629	157	364	1.12	ug/L #	1
82) Hexachlorobutadiene	13.134	223	831	1.85	ug/L	97
83) 1,2,4-Trichlorobenzene	13.171	180	3434	1.81	ug/L	94
84) Naphthalene	13.444	128	10317	1.50	ug/L	100
85) 1,2,3-Trichlorobenzene	13.609	180	3389	1.83	ug/L	95

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041509.D
Acq On : 15 Apr 2020 10:36 pm
Operator : tb
Sample : 0D15055-CAL5
Misc : 1X 2ppb 5mL DI+MeOH
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:43 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041510.D
 Acq-On : 15 Apr 2020 11:03 pm
 Operator : tb
 Sample : 0D15055-CAL6
 Misc : 1X 5ppb 5mL DI+MeOH
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

~~6~~ 3/16/20
 4/16/20

Quant Time: Apr 16 12:32:45 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415.S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Pentafluorobenzene (I)	6.026	99	119114	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	309093	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	135723	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	98587	47.78	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	369250	50.13	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	445402	47.90	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	108882	52.64	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.610	85	9508	4.24	ug/L		98
3) Chloromethane	1.817	50	15006	4.43	ug/L		97
4) Vinyl Chloride	1.908	62	15884	4.42	ug/L		97
5) Bromomethane	2.267	96	12747	5.75	ug/L		98
6) Chloroethane	2.382	64	2495	4.52	ug/L	#	1
7) Trichlorofluoromethane	2.510	101	2461	4.14	ug/L		94
8) Ethanol	3.185	45	15544	270.65	ug/L		93
9) 1,1-Dichloroethene	3.076	61	18123	4.36	ug/L		78
10) Carbon Disulfide	3.088	76	22934	4.09	ug/L		97
11) Freon 113	3.124	101	9197	4.11	ug/L		84
12) Iodomethane	3.228	142	1736	2.29	ug/L		97
13) Methylene Chloride	3.715	84	14969	5.50	ug/L		87
14) Acetone	3.806	43	15536	10.14	ug/L		94
15) t-1,2-Dichloroethene	3.879	61	17963	4.45	ug/L		96
16) n-Hexane	3.952	86	1932	4.15	ug/L	#	91
17) Methyl-tert-butyl-ether	4.025	73	43368	4.59	ug/L		98
18) tert-Butanol (TBA)	4.189	59	138823	259.22	ug/L	#	97
19) Diisopropyl ether (DIPE)	4.408	45	11794	1.14	ug/L		94
20) 1,1-Dichloroethane	4.512	63	24149	4.56	ug/L		96
21) Acrylonitrile	4.585	53	7686	4.39	ug/L		97
22) Ethyl-tert-butyl ether...	4.779	59	11203	1.20	ug/L		94
23) c-1,2-Dichloroethene	5.065	61	18312	4.52	ug/L		89
24) 2,2-Dichloropropane	5.169	77	13313	4.38	ug/L		86
25) Bromochloromethane	5.266	49	12650	4.66	ug/L		79
26) Chloroform	5.351	83	20463	4.51	ug/L		95
27) Carbon Tetrachloride	5.479	117	5797	3.67	ug/L		90
28) Tetrahydrofuran	5.527	42	8656	4.74	ug/L		93
29) 1,1,1-Trichloroethane	5.546	97	13608	4.08	ug/L		89
31) 1,1-Dichloropropene	5.673	75	16110	4.28	ug/L		96
32) 2-Butanone (MEK)	5.673	43	20505	8.70	ug/L		98
33) Benzene	5.929	78	54508	4.59	ug/L		97
34) tert-Amyl methyl ether...	6.063	73	10127	1.15	ug/L		97
35) 1,2-Dichloroethane (EDC)	6.148	62	19617	4.65	ug/L		97
36) iso-Butyl Alcohol	6.221	43	17136	94.66	ug/L		97
38) Trichloroethene (TCE)	6.550	130	12780	4.60	ug/L		90
39) tert-Amyl ethyl ether ...	6.805	59	9447	1.32	ug/L		91
40) Dibromomethane	7.000	93	7480	4.52	ug/L	#	81
41) 1,2-Dichloropropane	7.109	63	14170	4.61	ug/L		96
42) Bromodichloromethane	7.182	83	8220	3.90	ug/L		97
44) c-1,3-Dichloropropene	7.888	75	14029	3.75	ug/L		87
46) Toluene	8.149	91	53224	4.32	ug/L		100
47) Tetrachloroethene (PCE)	8.594	166	10948	4.21	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.600	43	34417	8.02	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041510.D
 Acq On : 15 Apr 2020 11:03 pm
 Operator : tb
 Sample : 0D15055-CAL6
 Misc : 1X 5ppb 5mL DI+MeOH
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

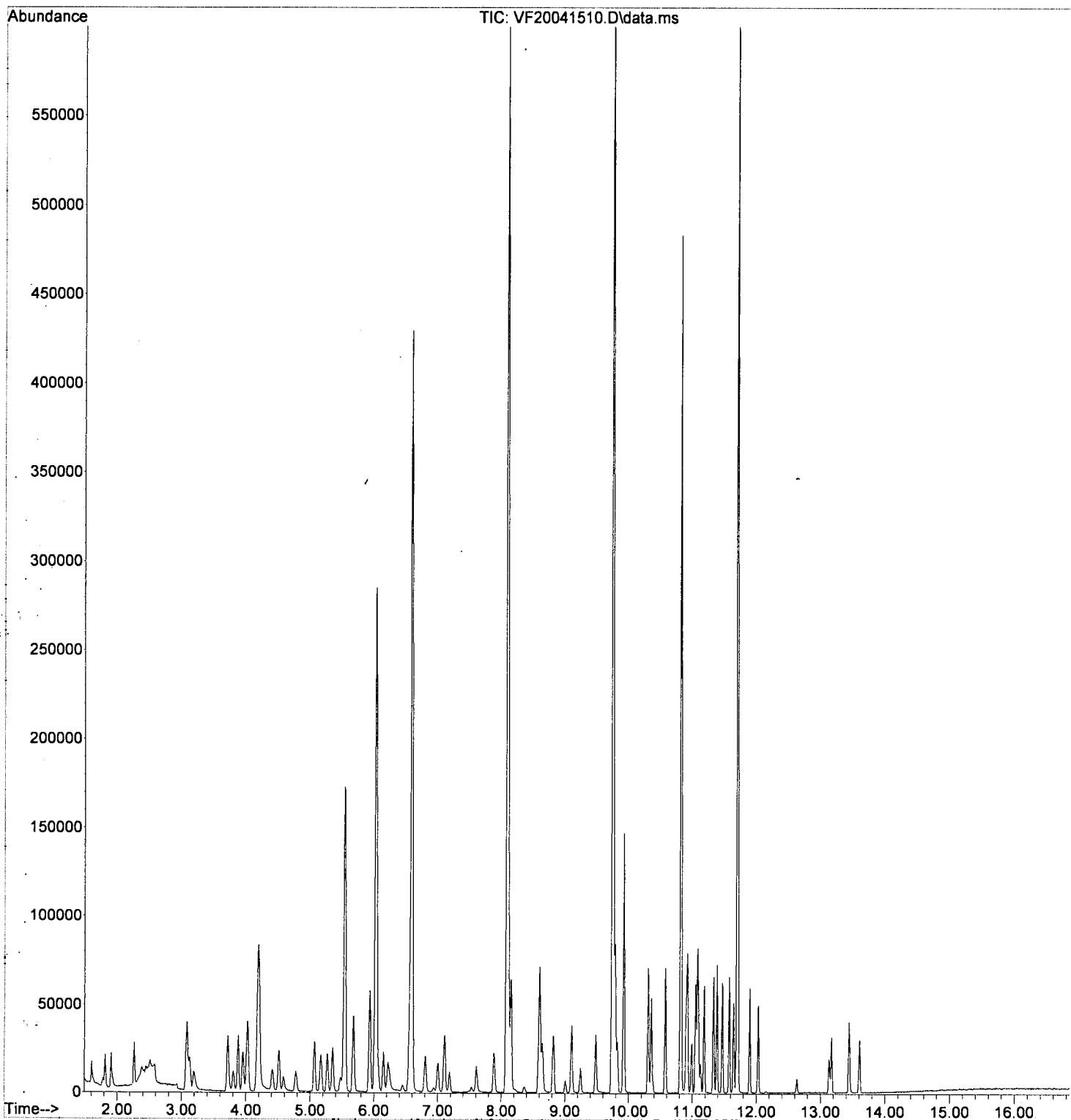
Quant Time: Apr 16 12:32:45 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.642	75	12626	3.63	ug/L	91
50) 1,1,2-Trichloroethane	8.819	97	11400	4.43	ug/L	91
51) Dibromochloromethane	9.007	129	4084	3.89	ug/L	86
52) 1,3-Dichloropropane	9.105	76	22498	4.51	ug/L	87
53) 1,2-Dibromoethane (EDB)	9.244	107	9975	3.96	ug/L	92
54) 2-Hexanone	9.482	43	22941	7.59	ug/L	96
55) Chlorobenzene	9.755	112	31458	4.57	ug/L	93
56) Ethylbenzene	9.786	91	53062	4.44	ug/L	96
57) 1,1,1,2-Tetrachloroethane	9.822	131	4738	3.66	ug/L	93
58) m,p-Xylenes (2)	9.920	91	76021	8.48	ug/L	95
59) o-Xylene	10.303	91	37514	4.28	ug/L	97
60) Styrene	10.358	104	24626	3.89	ug/L	96
61) Bromoform	10.376	173	1859	3.64	ug/L	85
62) Isopropylbenzene	10.577	105	42001	4.21	ug/L	98
65) Bromobenzene	10.899	156	11063	4.79	ug/L #	75
66) n-Propylbenzene	10.924	91	47646	4.52	ug/L	96
67) 1,1,2,2-Tetrachloroethane	10.990	83	10469	4.06	ug/L	95
68) 2-Chlorotoluene	11.051	126	9521	4.63	ug/L #	80
69) 1,3,5-Trimethylbenzene	11.076	105	32366	4.46	ug/L	96
70) 1,2,3-Trichloropropane	11.094	110	4527	4.41	ug/L #	70
71) t-1,4-Dichloro-2-butene	11.130	88	741	3.29	ug/L #	56
72) 4-Chlorotoluene	11.185	91	29702	4.58	ug/L	96
73) tert-Butylbenzene	11.331	91	17984	4.58	ug/L	90
74) 1,2,4-Trimethylbenzene	11.386	105	32470	4.49	ug/L	100
75) sec-Butylbenzene	11.465	105	36956	4.50	ug/L	95
76) 4-Isopropyltoluene	11.574	119	29608	4.36	ug/L	96
77) 1,3-Dichlorobenzene	11.647	146	17542	4.56	ug/L	99
78) 1,4-Dichlorobenzene	11.714	146	18693	4.68	ug/L	99
79) n-Butylbenzene	11.897	91	26140	4.40	ug/L	94
80) 1,2-Dichlorobenzene	12.031	146	16444	4.46	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.633	157	1099	3.09	ug/L #	1
82) Hexachlorobutadiene	13.138	223	2123	4.31	ug/L	91
83) 1,2,4-Trichlorobenzene	13.168	180	8767	4.23	ug/L	98
84) Naphthalene	13.442	128	28184	3.75	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	8564	4.23	ug/L	97

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041510.D
Acq On : 15 Apr 2020 11:03 pm
Operator : tb
Sample : 0D15055-CAL6
Misc : 1X 5ppb 5mL DI+MeOH
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:45 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041510.D
 Acq On : 15 Apr 2020 11:03 pm
 Operator : tb
 Sample : 0D15055-CAL6
 Misc : 1X 5ppb 5mL DI+MeOH
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Handwritten: 4/16/20

Quant Time: Apr 16 12:32:45 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.026	99	119114	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	309093	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	135723	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	98587	47.78	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	369250	50.13	ug/L	0.00	
45) Toluene-d8 (S)	8.089	98	445402	47.90	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	108882	52.64	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.610	85	9508	4.24	ug/L		98
3) Chloromethane	1.817	50	15006	4.43	ug/L		97
4) Vinyl Chloride	1.908	62	15884	4.42	ug/L		97
5) Bromomethane	2.267	96	12747	5.75	ug/L		98
6) Chloroethane	2.382	64	2495	4.52	ug/L	#	1
7) Trichlorofluoromethane	2.510	101	2461	4.14	ug/L		94
8) Ethanol	3.185	45	15544	270.65	ug/L		93
9) 1,1-Dichloroethene	3.076	61	18123	4.36	ug/L		78
10) Carbon Disulfide	3.088	76	22934	4.09	ug/L		97
11) Freon 113	3.124	101	9197	4.11	ug/L		84
12) Iodomethane	3.228	142	1736	2.29	ug/L		97
13) Methylene Chloride	3.715	84	14969	5.50	ug/L		87
14) Acetone	3.806	43	15536	10.14	ug/L		94
15) t-1,2-Dichloroethene	3.879	61	17963	4.45	ug/L		96
16) n-Hexane	3.952	86	1932	4.15	ug/L	#	91
17) Methyl-tert-butyl-ether	4.025	73	43368	4.59	ug/L		98
18) tert-Butanol (TBA)	4.189	59	138823	259.22	ug/L	#	97
19) Diisopropyl ether (DIPE)	4.408	45	11794	1.14	ug/L		94
20) 1,1-Dichloroethane	4.512	63	24149	4.56	ug/L		96
21) Acrylonitrile	4.585	53	7686	4.39	ug/L		97
22) Ethyl-tert-butyl ether...	4.779	59	11203	1.20	ug/L		94
23) c-1,2-Dichloroethene	5.065	61	18312	4.52	ug/L		89
24) 2,2-Dichloropropane	5.169	77	13313	4.38	ug/L		86
25) Bromochloromethane	5.266	49	12650	4.66	ug/L		79
26) Chloroform	5.351	83	20463	4.51	ug/L		95
27) Carbon Tetrachloride	5.479	117	5797	3.67	ug/L		90
28) Tetrahydrofuran	5.527	42	8656	4.74	ug/L		93
29) 1,1,1-Trichloroethane	5.546	97	13608	4.08	ug/L		89
31) 1,1-Dichloropropene	5.673	75	16110	4.28	ug/L		96
32) 2-Butanone (MEK)	5.673	43	20505	8.70	ug/L		98
33) Benzene	5.929	78	54508	4.59	ug/L		97
34) tert-Amyl methyl ether...	6.063	73	10127	1.15	ug/L		97
35) 1,2-Dichloroethane (EDC)	6.148	62	19617	4.65	ug/L		97
36) iso-Butyl Alcohol	6.221	43	17136	94.66	ug/L		97
38) Trichloroethene (TCE)	6.550	130	12780	4.60	ug/L		90
39) tert-Amyl ethyl ether ...	6.805	59	9447	1.32	ug/L		91
40) Dibromomethane	7.000	93	7480	4.52	ug/L	#	81
41) 1,2-Dichloropropane	7.109	63	14170	4.61	ug/L		96
42) Bromodichloromethane	7.182	83	8220	3.90	ug/L		97
44) c-1,3-Dichloropropene	7.888	75	14029	3.75	ug/L		87
46) Toluene	8.149	91	53224	4.32	ug/L		100
47) Tetrachloroethene (PCE)	8.594	166	10948	4.21	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.600	43	34417	8.02	ug/L		93

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041510.D
 Acq On : 15 Apr 2020 11:03 pm
 Operator : tb
 Sample : 0D15055-CAL6
 Misc : 1X 5ppb 5mL DI+MeOH
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

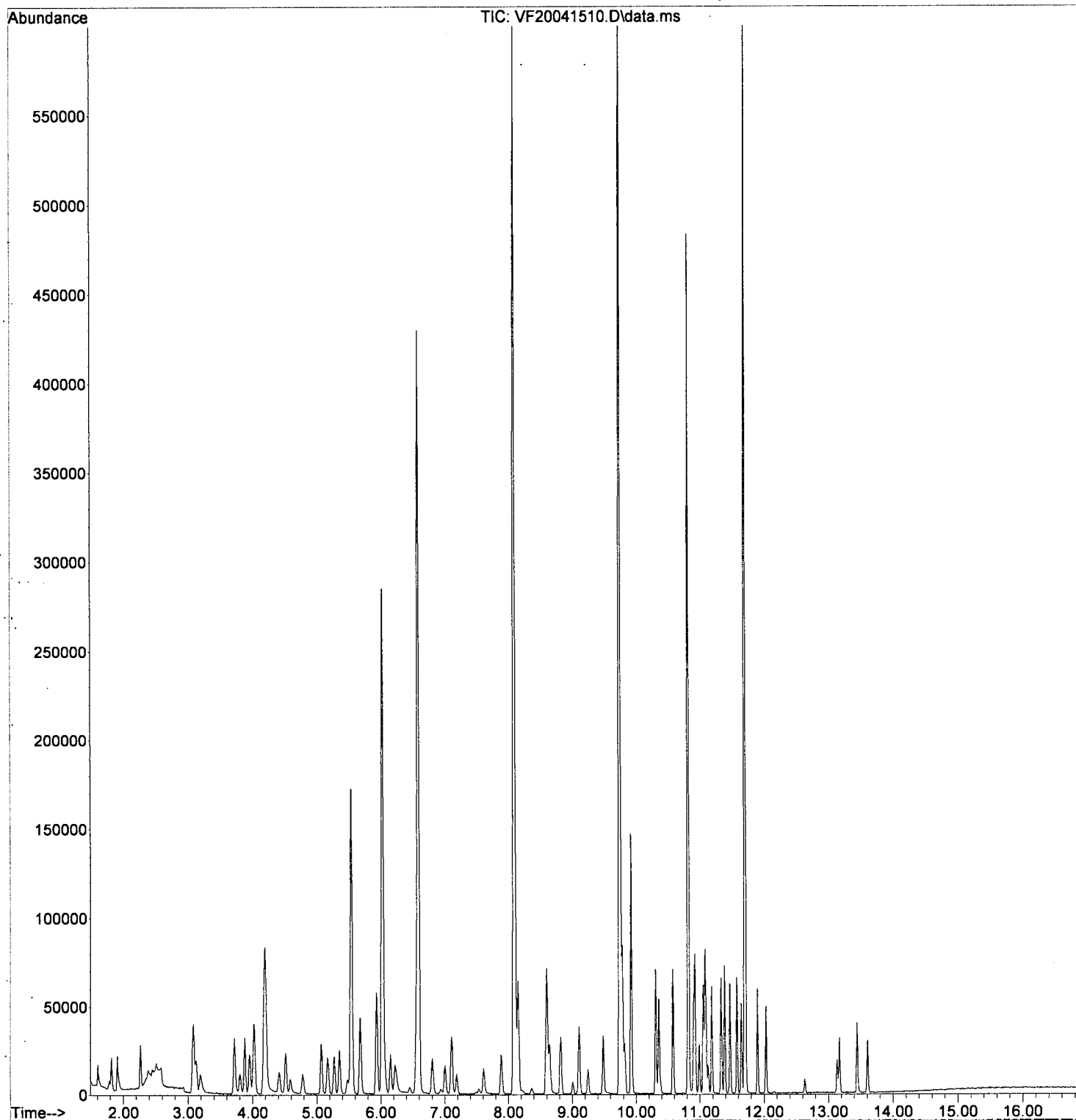
Quant Time: Apr 16 12:32:45 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.642	75	12626	3.63	ug/L	91
50) 1,1,2-Trichloroethane	8.819	97	11400	4.43	ug/L	91
51) Dibromochloromethane	9.007	129	4084	3.89	ug/L	86
52) 1,3-Dichloropropane	9.105	76	22498	4.51	ug/L	87
53) 1,2-Dibromoethane (EDB)	9.244	107	9975	3.96	ug/L	92
54) 2-Hexanone	9.482	43	22941	7.59	ug/L	96
55) Chlorobenzene	9.755	112	31458	4.57	ug/L	93
56) Ethylbenzene	9.786	91	53062	4.44	ug/L	96
57) 1,1,1,2-Tetrachloroethane	9.822	131	4738	3.66	ug/L	93
58) m,p-Xylenes (2)	9.920	91	76021	8.48	ug/L	95
59) o-Xylene	10.303	91	37514	4.28	ug/L	97
60) Styrene	10.358	104	24626	3.89	ug/L	96
61) Bromoform	10.376	173	1859	3.64	ug/L	85
62) Isopropylbenzene	10.577	105	42001	4.21	ug/L	98
65) Bromobenzene	10.899	156	11063	4.79	ug/L #	75
66) n-Propylbenzene	10.924	91	47646	4.52	ug/L	96
67) 1,1,2,2-Tetrachloroethane	10.990	83	10469	4.06	ug/L	95
68) 2-Chlorotoluene	11.051	126	9521	4.63	ug/L #	80
69) 1,3,5-Trimethylbenzene	11.076	105	32366	4.46	ug/L	96
70) 1,2,3-Trichloropropane	11.094	110	4527	4.41	ug/L #	70
71) t-1,4-Dichloro-2-butene	11.130	88	741	3.29	ug/L #	56
72) 4-Chlorotoluene	11.185	91	29702	4.58	ug/L	96
73) tert-Butylbenzene	11.331	91	17984	4.58	ug/L	90
74) 1,2,4-Trimethylbenzene	11.386	105	32470	4.49	ug/L	100
75) sec-Butylbenzene	11.465	105	36956	4.50	ug/L	95
76) 4-Isopropyltoluene	11.574	119	29608	4.36	ug/L	96
77) 1,3-Dichlorobenzene	11.647	146	17542	4.56	ug/L	99
78) 1,4-Dichlorobenzene	11.714	146	18693	4.68	ug/L	99
79) n-Butylbenzene	11.897	91	26140	4.40	ug/L	94
80) 1,2-Dichlorobenzene	12.031	146	16444	4.46	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.633	157	1099	3.09	ug/L #	1
82) Hexachlorobutadiene	13.138	223	2123	4.31	ug/L	91
83) 1,2,4-Trichlorobenzene	13.168	180	8767	4.23	ug/L	98
84) Naphthalene	13.442	128	28184	3.75	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	8564	4.23	ug/L	97

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041510.D
Acq On : 15 Apr 2020 11:03 pm
Operator : tb
Sample : 0D15055-CAL6
Misc : 1X 5ppb 5mL DI+MeOH
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:45 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041511.D
 Acq On : 15 Apr 2020 11:30 pm
 Operator : tb
 Sample : 0D15055-CAL7
 Misc : 1X 10ppb 5mL DI+MeOH
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:32:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	113931	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	291984	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.701	152	130304	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	94401	47.83	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.585	114	351334	49.87	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	422174	48.06	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.819	174	103043	51.89	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.597	85	21580	10.05	ug/L		95
3) Chloromethane	1.810	50	31816	9.82	ug/L		98
4) Vinyl Chloride	1.901	62	34274	9.98	ug/L		98
5) Bromomethane	2.254	96	24736	11.67	ug/L		96
6) Chloroethane	2.375	64	5136	9.73	ug/L	#	54
7) Trichlorofluoromethane	2.503	101	5333	9.37	ug/L		95
8) Ethanol	3.185	45	30742	559.63	ug/L		92
9) 1,1-Dichloroethene	3.069	61	39533	9.95	ug/L		78
10) Carbon Disulfide	3.081	76	50588	9.44	ug/L		97
11) Freon 113	3.118	101	20747	9.69	ug/L		78
12) Iodomethane	3.227	142	4841	6.69	ug/L		93
13) Methylene Chloride	3.714	84	27748	10.66	ug/L		91
14) Acetone	3.799	43	29958	20.45	ug/L		93
15) t-1,2-Dichloroethene	3.872	61	37909	9.83	ug/L		93
16) n-Hexane	3.951	86	4237	9.52	ug/L	#	76
17) Methyl-tert-butyl-ether	4.018	73	88304	9.76	ug/L		97
18) tert-Butanol (TBA)	4.182	59	289619	565.40	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.407	45	24407	2.46	ug/L		97
20) 1,1-Dichloroethane	4.511	63	49263	9.72	ug/L		98
21) Acrylonitrile	4.578	53	15760	9.41	ug/L		96
22) Ethyl-tert-butyl ether...	4.778	59	22373	2.51	ug/L		92
23) c-1,2-Dichloroethene	5.064	61	37991	9.80	ug/L		93
24) 2,2-Dichloropropane	5.162	77	28166	9.69	ug/L		90
25) Bromochloromethane	5.265	49	25432	9.80	ug/L		82
26) Chloroform	5.350	83	42807	9.87	ug/L		96
27) Carbon Tetrachloride	5.472	117	13806	9.15	ug/L		94
28) Tetrahydrofuran	5.521	42	17572	10.07	ug/L		95
29) 1,1,1-Trichloroethane	5.545	97	29826	9.35	ug/L		93
31) 1,1-Dichloropropene	5.673	75	35247	9.79	ug/L		96
32) 2-Butanone (MEK)	5.673	43	43309	19.20	ug/L		99
33) Benzene	5.928	78	112036	9.86	ug/L		97
34) tert-Amyl methyl ether...	6.062	73	20464	2.43	ug/L		98
35) 1,2-Dichloroethane (EDC)	6.147	62	39825	9.88	ug/L		97
36) iso-Butyl Alcohol	6.214	43	37001	213.69	ug/L		97
38) Trichloroethene (TCE)	6.549	130	26904	10.12	ug/L		94
39) tert-Amyl ethyl ether ...	6.804	59	17620	2.57	ug/L		91
40) Dibromomethane	6.999	93	15505	9.79	ug/L	#	82
41) 1,2-Dichloropropane	7.102	63	29085	9.88	ug/L		94
42) Bromodichloromethane	7.181	83	18124	8.99	ug/L		98
44) c-1,3-Dichloropropene	7.887	75	31491	8.91	ug/L		89
46) Toluene	8.149	91	109987	9.45	ug/L		100
47) Tetrachloroethene (PCE)	8.599	166	23094	9.41	ug/L		93
48) 4-Methyl-2-Pentanone (...)	8.599	43	73792	18.21	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041511.D
 Acq On : 15 Apr 2020 11:30 pm
 Operator : tb
 Sample : 0D15055-CAL7
 Misc : 1X 10ppb 5mL DI+MeOH
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

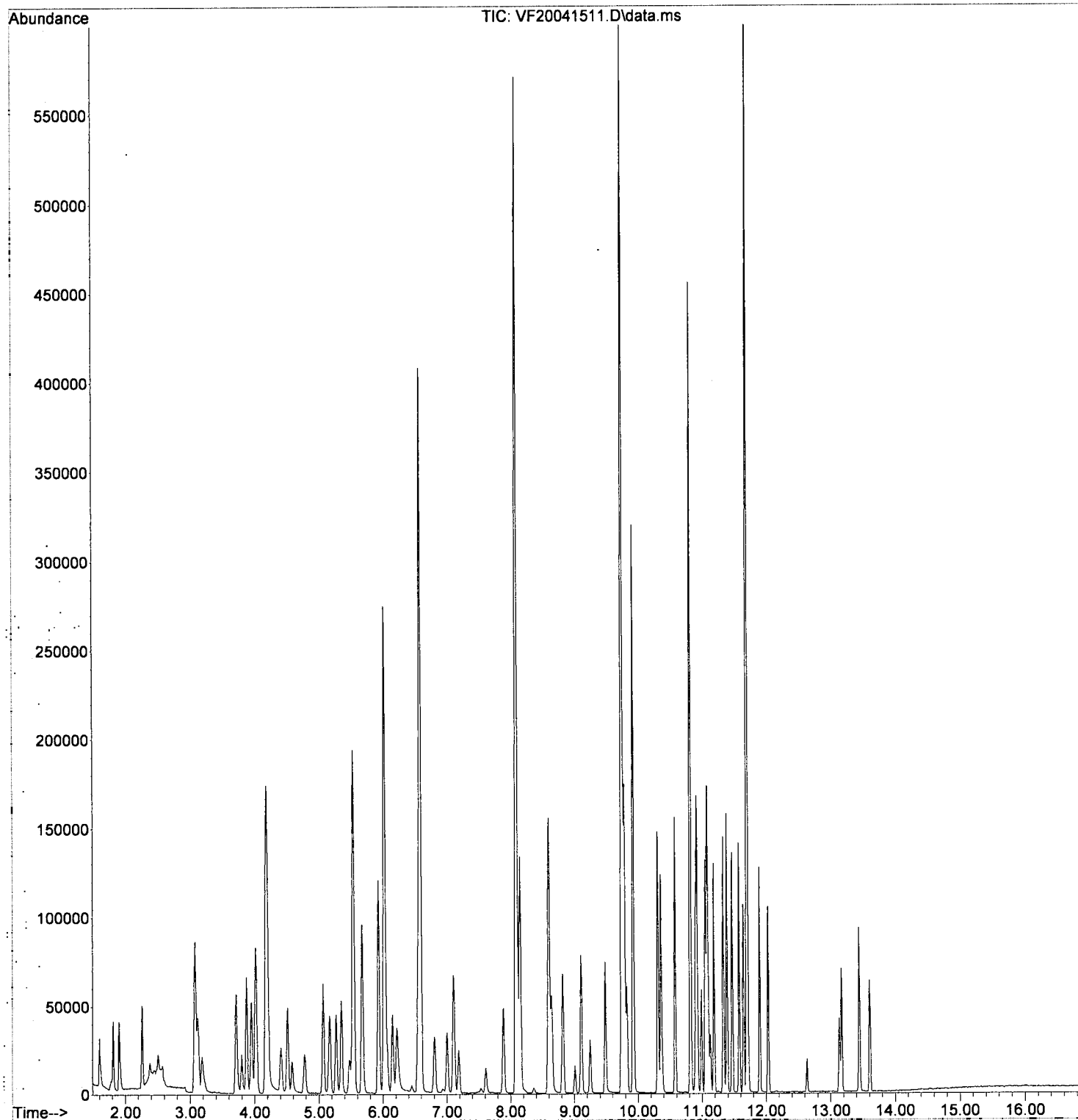
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.641	75	28121	8.55	ug/L	97
50) 1,1,2-Trichloroethane	8.818	97	23352	9.60	ug/L	95
51) Dibromochloromethane	9.006	129	8637	8.72	ug/L	97
52) 1,3-Dichloropropane	9.104	76	45557	9.67	ug/L	88
53) 1,2-Dibromoethane (EDB)	9.244	107	21939	9.22	ug/L	96
54) 2-Hexanone	9.481	43	50419	17.65	ug/L	92
55) Chlorobenzene	9.761	112	63920	9.82	ug/L	97
56) Ethylbenzene	9.785	91	110016	9.74	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.822	131	10433	8.54	ug/L	97
58) m,p-Xylenes (2)	9.919	91	161556	19.09	ug/L	95
59) o-Xylene	10.302	91	79832	9.64	ug/L	95
60) Styrene	10.357	104	54414	9.09	ug/L	97
61) Bromoform	10.375	173	4061	8.43	ug/L	95
62) Isopropylbenzene	10.576	105	89787	9.53	ug/L	98
65) Bromobenzene	10.898	156	22662	10.22	ug/L	86
66) n-Propylbenzene	10.923	91	102422	10.13	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.990	83	21587	8.73	ug/L	98
68) 2-Chlorotoluene	11.050	126	20091	10.17	ug/L #	82
69) 1,3,5-Trimethylbenzene	11.075	105	68918	9.90	ug/L	96
70) 1,2,3-Trichloropropane	11.093	110	9412	9.55	ug/L #	73
71) t-1,4-Dichloro-2-butene	11.130	88	1729	7.99	ug/L #	66
72) 4-Chlorotoluene	11.184	91	61780	9.93	ug/L	97
73) tert-Butylbenzene	11.330	91	38344	10.16	ug/L	90
74) 1,2,4-Trimethylbenzene	11.385	105	68606	9.89	ug/L	99
75) sec-Butylbenzene	11.470	105	79869	10.13	ug/L	98
76) 4-Isopropyltoluene	11.574	119	65265	10.02	ug/L	94
77) 1,3-Dichlorobenzene	11.647	146	36707	9.94	ug/L	97
78) 1,4-Dichlorobenzene	11.714	146	38073	9.92	ug/L	97
79) n-Butylbenzene	11.896	91	56078	9.84	ug/L	98
80) 1,2-Dichlorobenzene	12.030	146	34983	9.89	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.632	157	2606	7.64	ug/L #	12
82) Hexachlorobutadiene	13.131	223	4603	9.73	ug/L	95
83) 1,2,4-Trichlorobenzene	13.168	180	18555	9.32	ug/L	97
84) Naphthalene	13.441	128	64255	8.91	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	18453	9.49	ug/L	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041511.D
Acq On : 15 Apr 2020 11:30 pm
Operator : tb
Sample : 0D15055-CAL7
Misc : 1X 10ppb 5mL DI+MeOH
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:47 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041511.D
 Acq On : 15 Apr 2020 11:30 pm
 Operator : tb
 Sample : 0D15055-CAL7
 Misc : 1X 10ppb 5mL DI+MeOH
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	113931	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	291984	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.701	152	130304	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	94401	47.83	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.585	114	351334	49.87	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	422174	48.06	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.819	174	103043	51.89	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.597	85	21580	10.05	ug/L		95
3) Chloromethane	1.810	50	31816	9.82	ug/L		98
4) Vinyl Chloride	1.901	62	34274	9.98	ug/L		98
5) Bromomethane	2.254	96	24736	11.57	ug/L		96
6) Chloroethane	2.375	64	5136	9.73	ug/L	#	54
7) Trichlorofluoromethane	2.503	101	5333	9.37	ug/L		95
8) Ethanol	3.185	45	30742	559.63	ug/L		92
9) 1,1-Dichloroethene	3.069	61	39533	9.95	ug/L		78
10) Carbon Disulfide	3.081	76	50588	9.44	ug/L		97
11) Freon 113	3.118	101	20747	9.69	ug/L		78
12) Iodomethane	3.227	142	4841	6.69	ug/L		93
13) Methylene Chloride	3.714	84	27748	10.66	ug/L		91
14) Acetone	3.799	43	29958	20.45	ug/L		93
15) t-1,2-Dichloroethene	3.872	61	37909	9.83	ug/L		93
16) n-Hexane	3.951	86	4237	9.52	ug/L	#	76
17) Methyl-tert-butyl-ether	4.018	73	88304	9.76	ug/L		97
18) tert-Butanol (TBA)	4.182	59	289619	565.40	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.407	45	24407	2.46	ug/L		97
20) 1,1-Dichloroethane	4.511	63	49263	9.72	ug/L		98
21) Acrylonitrile	4.578	53	15760	9.41	ug/L		96
22) Ethyl-tert-butyl ether...	4.778	59	22373	2.51	ug/L		92
23) c-1,2-Dichloroethene	5.064	61	37991	9.80	ug/L		93
24) 2,2-Dichloropropane	5.162	77	28166	9.69	ug/L		90
25) Bromochloromethane	5.265	49	25432	9.80	ug/L		82
26) Chloroform	5.350	83	42807	9.87	ug/L		96
27) Carbon Tetrachloride	5.472	117	13806	9.15	ug/L		94
28) Tetrahydrofuran	5.521	42	17572	10.07	ug/L		95
29) 1,1,1-Trichloroethane	5.545	97	29826	9.35	ug/L		93
31) 1,1-Dichloropropene	5.673	75	35247	9.79	ug/L		96
32) 2-Butanone (MEK)	5.673	43	43309	19.20	ug/L		99
33) Benzene	5.928	78	112036	9.86	ug/L		97
34) tert-Amyl methyl ether...	6.062	73	20464	2.43	ug/L		98
35) 1,2-Dichloroethane (EDC)	6.147	62	39825	9.88	ug/L		97
36) iso-Butyl Alcohol	6.214	43	37001	213.69	ug/L		97
38) Trichloroethene (TCE)	6.549	130	26904	10.12	ug/L		94
39) tert-Amyl ethyl ether ...	6.804	59	17620	2.57	ug/L		91
40) Dibromomethane	6.999	93	15505	9.79	ug/L	#	82
41) 1,2-Dichloropropane	7.102	63	29085	9.88	ug/L		94
42) Bromodichloromethane	7.181	83	18124	8.99	ug/L		98
44) c-1,3-Dichloropropene	7.887	75	31491	8.91	ug/L		89
46) Toluene	8.149	91	109987	9.45	ug/L		100
47) Tetrachloroethene (PCE)	8.599	166	23094	9.41	ug/L		93
48) 4-Methyl-2-Pentanone (...)	8.599	43	73792	18.21	ug/L		92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041511.D
 Acq On : 15 Apr 2020 11:30 pm
 Operator : tb
 Sample : 0D15055-CAL7
 Misc : 1X 10ppb 5mL DI+MeOH
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

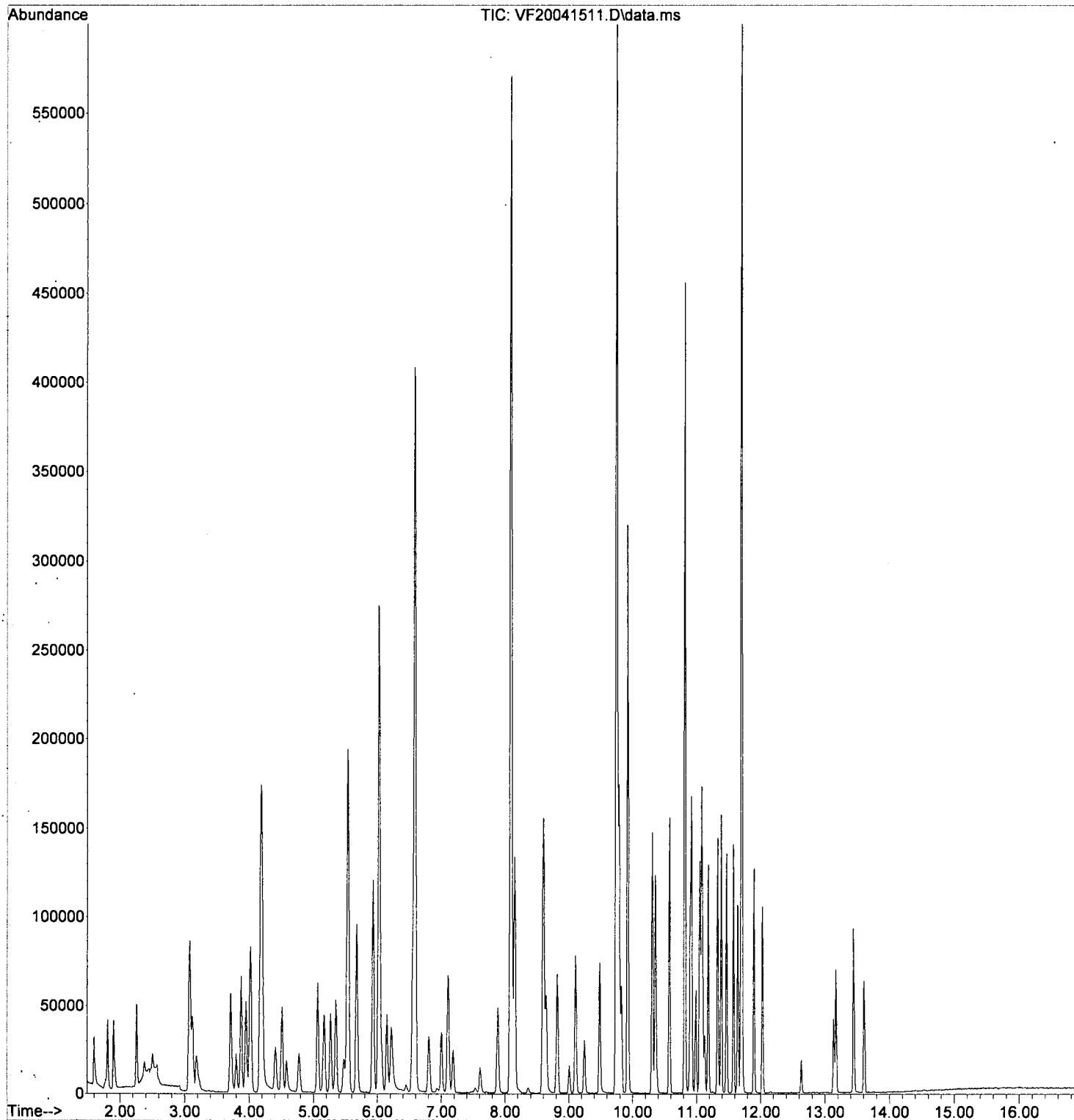
Quant Time: Apr 16 12:32:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.641	75	28121	8.55	ug/L	97
50) 1,1,2-Trichloroethane	8.818	97	23352	9.60	ug/L	95
51) Dibromochloromethane	9.006	129	8637	8.72	ug/L	97
52) 1,3-Dichloropropane	9.104	76	45557	9.67	ug/L	88
53) 1,2-Dibromoethane (EDB)	9.244	107	21939	9.22	ug/L	96
54) 2-Hexanone	9.481	43	50419	17.65	ug/L	92
55) Chlorobenzene	9.761	112	63920	9.82	ug/L	97
56) Ethylbenzene	9.785	91	110016	9.74	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.822	131	10433	8.54	ug/L	97
58) m,p-Xylenes (2)	9.919	91	161556	19.09	ug/L	95
59) o-Xylene	10.302	91	79832	9.64	ug/L	95
60) Styrene	10.357	104	54414	9.09	ug/L	97
61) Bromoform	10.375	173	4061	8.43	ug/L	95
62) Isopropylbenzene	10.576	105	89787	9.53	ug/L	98
65) Bromobenzene	10.898	156	22662	10.22	ug/L	86
66) n-Propylbenzene	10.923	91	102422	10.13	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.990	83	21587	8.73	ug/L	98
68) 2-Chlorotoluene	11.050	126	20091	10.17	ug/L #	82
69) 1,3,5-Trimethylbenzene	11.075	105	68918	9.90	ug/L	96
70) 1,2,3-Trichloropropane	11.093	110	9412	9.55	ug/L #	73
71) t-1,4-Dichloro-2-butene	11.130	88	1729	7.99	ug/L #	66
72) 4-Chlorotoluene	11.184	91	61780	9.93	ug/L	97
73) tert-Butylbenzene	11.330	91	38344	10.16	ug/L	90
74) 1,2,4-Trimethylbenzene	11.385	105	68606	9.89	ug/L	99
75) sec-Butylbenzene	11.470	105	79869	10.13	ug/L	98
76) 4-Isopropyltoluene	11.574	119	65265	10.02	ug/L	94
77) 1,3-Dichlorobenzene	11.647	146	36707	9.94	ug/L	97
78) 1,4-Dichlorobenzene	11.714	146	38073	9.92	ug/L	97
79) n-Butylbenzene	11.896	91	56078	9.84	ug/L	98
80) 1,2-Dichlorobenzene	12.030	146	34983	9.89	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.632	157	2606	7.64	ug/L #	12
82) Hexachlorobutadiene	13.131	223	4603	9.73	ug/L	95
83) 1,2,4-Trichlorobenzene	13.168	180	18555	9.32	ug/L	97
84) Naphthalene	13.441	128	64255	8.91	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	18453	9.49	ug/L	100

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041511.D
Acq On : 15 Apr 2020 11:30 pm
Operator : tb
Sample : 0D15055-CAL7
Misc : 1X 10ppb 5mL DI+MeOH
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:47 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041512.D
 Acq On : 15 Apr 2020 11:57 pm
 Operator : tb
 Sample : 0D15055-CAL8
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:32:49 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	112647	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	272793	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	127733	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	97563	50.00	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.585	114	348285	50.00	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	410350	50.00	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.819	174	97325	50.00	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.603	85	42445	20.00	ug/L		98
3) Chloromethane	1.810	50	64078	20.00	ug/L		98
4) Vinyl Chloride	1.907	62	67898	20.00	ug/L		94
5) Bromomethane	2.260	96	41916	20.00	ug/L		97
6) Chloroethane	2.382	64	10438	20.00	ug/L	#	73
7) Trichlorofluoromethane	2.509	101	11257	20.00	ug/L		99
8) Ethanol	3.191	45	66283	1220.38	ug/L		92
9) 1,1-Dichloroethene	3.069	61	78535	20.00	ug/L		78
10) Carbon Disulfide	3.081	76	105987	20.00	ug/L		98
11) Freon 113	3.118	101	42332	20.00	ug/L		81
12) Iodomethane	3.227	142	14316	20.00	ug/L	#	89
13) Methylene Chloride	3.714	84	51467	20.00	ug/L		81
14) Acetone	3.799	43	57949	40.00	ug/L		97
15) t-1,2-Dichloroethene	3.872	61	76273	20.00	ug/L		94
16) n-Hexane	3.945	86	8799	20.00	ug/L	#	81
17) Methyl-tert-butyl-ether	4.018	73	178851	20.00	ug/L		96
18) tert-Butanol (TBA)	4.188	59	632559	1248.97	ug/L	#	92
19) Diisopropyl ether (DIPE)	4.407	45	48973	5.00	ug/L		94
20) 1,1-Dichloroethane	4.511	63	100230	20.00	ug/L		97
21) Acrylonitrile	4.578	53	33135	20.00	ug/L		98
22) Ethyl-tert-butyl ether...	4.772	59	44150	5.00	ug/L		93
23) c-1,2-Dichloroethene	5.064	61	76672	20.00	ug/L		90
24) 2,2-Dichloropropane	5.168	77	57450	20.00	ug/L		89
25) Bromochloromethane	5.265	49	51303	20.00	ug/L		84
26) Chloroform	5.350	83	85756	20.00	ug/L		94
27) Carbon Tetrachloride	5.472	117	29845	20.00	ug/L		96
28) Tetrahydrofuran	5.521	42	34510	20.00	ug/L		93
29) 1,1,1-Trichloroethane	5.545	97	63099	20.00	ug/L		95
31) 1,1-Dichloropropene	5.673	75	71203	20.00	ug/L		99
32) 2-Butanone (MEK)	5.673	43	89201	40.00	ug/L		98
33) Benzene	5.928	78	224634	20.00	ug/L		97
34) tert-Amyl methyl ether...	6.062	73	41605	5.00	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.147	62	79719	20.00	ug/L		99
36) iso-Butyl Alcohol	6.214	43	85601	500.00	ug/L		96
38) Trichloroethene (TCE)	6.549	130	52556	20.00	ug/L		95
39) tert-Amyl ethyl ether ...	6.804	59	33839	5.00	ug/L		90
40) Dibromomethane	6.999	93	31312	20.00	ug/L		85
41) 1,2-Dichloropropane	7.102	63	58195	20.00	ug/L		95
42) Bromodichloromethane	7.182	83	39868	20.00	ug/L		97
44) c-1,3-Dichloropropene	7.881	75	66069	20.00	ug/L		88
46) Toluene	8.149	91	217487	20.00	ug/L		98
47) Tetrachloroethene (PCE)	8.599	166	45854	20.00	ug/L		94
48) 4-Methyl-2-Pentanone (...)	8.599	43	151428	40.00	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041512.D
 Acq On : 15 Apr 2020 11:57 pm
 Operator : tb
 Sample : 0D15055-CAL8
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

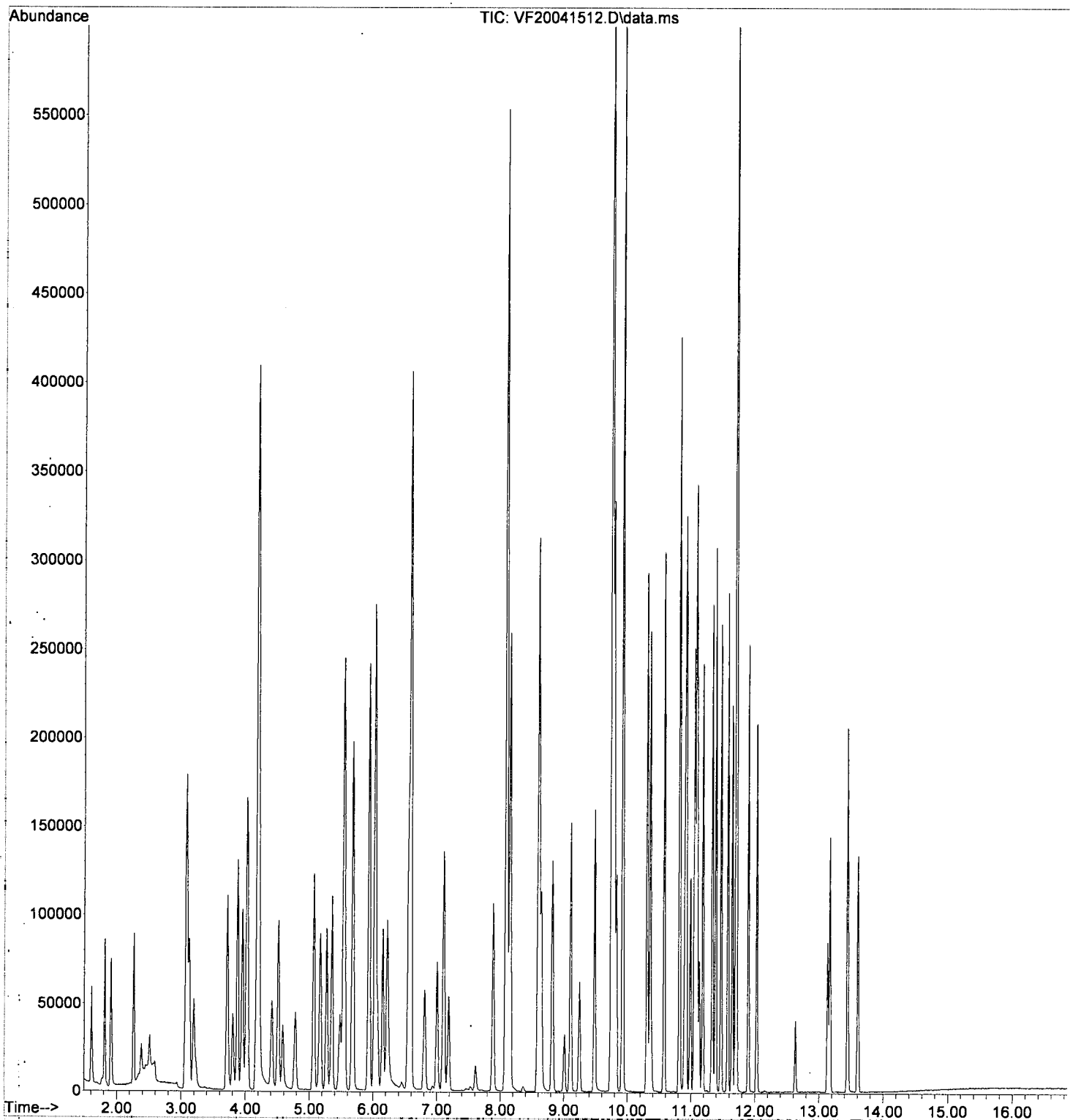
Quant Time: Apr 16 12:32:49 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.642	75	61446	20.00	ug/L	96
50) 1,1,2-Trichloroethane	8.818	97	45434	20.00	ug/L	96
51) Dibromochloromethane	9.007	129	18515	20.00	ug/L	98
52) 1,3-Dichloropropane	9.104	76	88057	20.00	ug/L	88
53) 1,2-Dibromoethane (EDB)	9.244	107	44442	20.00	ug/L	96
54) 2-Hexanone	9.481	43	106754	40.00	ug/L	93
55) Chlorobenzene	9.761	112	121626	20.00	ug/L	95
56) Ethylbenzene	9.785	91	210950	20.00	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.822	131	22833	20.00	ug/L	97
58) m,p-Xylenes (2)	9.919	91	316320	40.00	ug/L	96
59) o-Xylene	10.302	91	154671	20.00	ug/L	97
60) Styrene	10.351	104	111794	20.00	ug/L	91
61) Bromoform	10.381	173	9006	20.00	ug/L	99
62) Isopropylbenzene	10.576	105	176001	20.00	ug/L	98
65) Bromobenzene	10.899	156	43480	20.00	ug/L #	82
66) n-Propylbenzene	10.917	91	198223	20.00	ug/L	96
67) 1,1,2,2-Tetrachloroethane	10.984	83	48482	20.00	ug/L	95
68) 2-Chlorotoluene	11.051	126	38726	20.00	ug/L #	72
69) 1,3,5-Trimethylbenzene	11.075	105	136537	20.00	ug/L	96
70) 1,2,3-Trichloropropane	11.093	110	19327	20.00	ug/L #	78
71) t-1,4-Dichloro-2-butene	11.124	88	4241	20.00	ug/L #	72
72) 4-Chlorotoluene	11.184	91	121472	19.91	ug/L	97
73) tert-Butylbenzene	11.330	91	73967	20.00	ug/L	91
74) 1,2,4-Trimethylbenzene	11.385	105	136037	20.00	ug/L	100
75) sec-Butylbenzene	11.464	105	154641	20.00	ug/L	98
76) 4-Isopropyltoluene	11.574	119	127726	20.00	ug/L	96
77) 1,3-Dichlorobenzene	11.641	146	72431	20.00	ug/L	96
78) 1,4-Dichlorobenzene	11.714	146	75248	20.00	ug/L	98
79) n-Butylbenzene	11.896	91	111724	20.00	ug/L	95
80) 1,2-Dichlorobenzene	12.030	146	69381	20.00	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.632	157	6686	20.00	ug/L #	48
82) Hexachlorobutadiene	13.131	223	9271	20.00	ug/L	97
83) 1,2,4-Trichlorobenzene	13.168	180	39042	20.00	ug/L	97
84) Naphthalene	13.441	128	141329	20.00	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	38141	20.00	ug/L	96

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041512.D
Acq On : 15 Apr 2020 11:57 pm
Operator : tb
Sample : 0D15055-CAL8
Misc : 1X 20ppb 5mL DI+MeOH
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:49 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041512.D
 Acq On : 15 Apr 2020 11:57 pm
 Operator : tb
 Sample : 0D15055-CAL8
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Handwritten signature and date: 4/16/20

Quant Time: Apr 16 12:32:49 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	112647	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	272793	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	127733	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	97563	50.00	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.585	114	348285	50.00	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	410350	50.00	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.819	174	97325	50.00	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.603	85	42445	20.00	ug/L		98
3) Chloromethane	1.810	50	64078	20.00	ug/L		98
4) Vinyl Chloride	1.907	62	67898	20.00	ug/L		94
5) Bromomethane	2.260	96	41916	20.00	ug/L		97
6) Chloroethane	2.382	64	10438	20.00	ug/L	#	73
7) Trichlorofluoromethane	2.509	101	11257	20.00	ug/L		99
8) Ethanol	3.191	45	66283	1220.38	ug/L		92
9) 1,1-Dichloroethene	3.069	61	78535	20.00	ug/L		78
10) Carbon Disulfide	3.081	76	105987	20.00	ug/L		98
11) Freon 113	3.118	101	42332	20.00	ug/L		81
12) Iodomethane	3.227	142	14316	20.00	ug/L	#	89
13) Methylene Chloride	3.714	84	51467	20.00	ug/L		81
14) Acetone	3.799	43	57949	40.00	ug/L		97
15) t-1,2-Dichloroethene	3.872	61	76273	20.00	ug/L		94
16) n-Hexane	3.945	86	8799	20.00	ug/L	#	81
17) Methyl-tert-butyl-ether	4.018	73	178851	20.00	ug/L		96
18) tert-Butanol (TBA)	4.188	59	632559	1248.97	ug/L	#	92
19) Diisopropyl ether (DIPE)	4.407	45	48973	5.00	ug/L		94
20) 1,1-Dichloroethane	4.511	63	100230	20.00	ug/L		97
21) Acrylonitrile	4.578	53	33135	20.00	ug/L		98
22) Ethyl-tert-butyl ether...	4.772	59	44150	5.00	ug/L		93
23) c-1,2-Dichloroethene	5.064	61	76672	20.00	ug/L		90
24) 2,2-Dichloropropane	5.168	77	57450	20.00	ug/L		89
25) Bromochloromethane	5.265	49	51303	20.00	ug/L		84
26) Chloroform	5.350	83	85756	20.00	ug/L		94
27) Carbon Tetrachloride	5.472	117	29845	20.00	ug/L		96
28) Tetrahydrofuran	5.521	42	34510	20.00	ug/L		93
29) 1,1,1-Trichloroethane	5.545	97	63099	20.00	ug/L		95
31) 1,1-Dichloropropene	5.673	75	71203	20.00	ug/L		99
32) 2-Butanone (MEK)	5.673	43	89201	40.00	ug/L		98
33) Benzene	5.928	78	224634	20.00	ug/L		97
34) tert-Amyl methyl ether...	6.062	73	41605	5.00	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.147	62	79719	20.00	ug/L		99
36) iso-Butyl Alcohol	6.214	43	85601	500.00	ug/L		96
38) Trichloroethene (TCE)	6.549	130	52556	20.00	ug/L		95
39) tert-Amyl ethyl ether ...	6.804	59	33839	5.00	ug/L		90
40) Dibromomethane	6.999	93	31312	20.00	ug/L		85
41) 1,2-Dichloropropane	7.102	63	58195	20.00	ug/L		95
42) Bromodichloromethane	7.182	83	39868	20.00	ug/L		97
44) c-1,3-Dichloropropene	7.881	75	66069	20.00	ug/L		88
46) Toluene	8.149	91	217487	20.00	ug/L		98
47) Tetrachloroethene (PCE)	8.599	166	45854	20.00	ug/L		94
48) 4-Methyl-2-Pentanone (...)	8.599	43	151428	40.00	ug/L		92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041512.D
 Acq On : 15 Apr 2020 11:57 pm
 Operator : tb
 Sample : 0D15055-CAL8
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

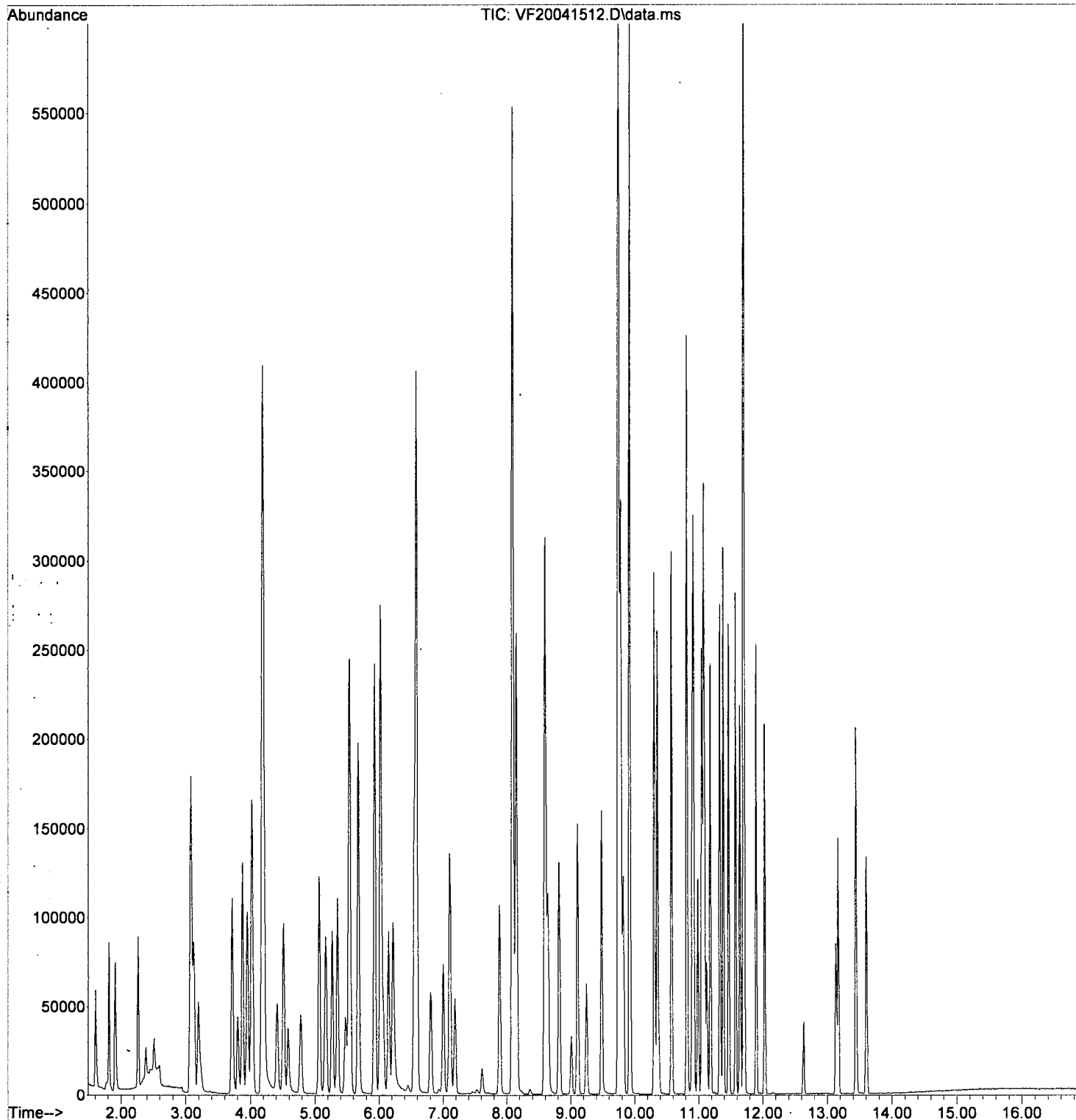
Quant Time: Apr 16 12:32:49 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.642	75	61446	20.00	ug/L	96
50) 1,1,2-Trichloroethane	8.818	97	45434	20.00	ug/L	96
51) Dibromochloromethane	9.007	129	18515	20.00	ug/L	98
52) 1,3-Dichloropropane	9.104	76	88057	20.00	ug/L	88
53) 1,2-Dibromoethane (EDB)	9.244	107	44442	20.00	ug/L	96
54) 2-Hexanone	9.481	43	106754	40.00	ug/L	93
55) Chlorobenzene	9.761	112	121626	20.00	ug/L	95
56) Ethylbenzene	9.785	91	210950	20.00	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.822	131	22833	20.00	ug/L	97
58) m,p-Xylenes (2)	9.919	91	316320	40.00	ug/L	96
59) o-Xylene	10.302	91	154671	20.00	ug/L	97
60) Styrene	10.351	104	111794	20.00	ug/L	91
61) Bromoform	10.381	173	9006	20.00	ug/L	99
62) Isopropylbenzene	10.576	105	176001	20.00	ug/L	98
65) Bromobenzene	10.899	156	43480	20.00	ug/L #	82
66) n-Propylbenzene	10.917	91	198223	20.00	ug/L	96
67) 1,1,2,2-Tetrachloroethane	10.984	83	48482	20.00	ug/L	95
68) 2-Chlorotoluene	11.051	126	38726	20.00	ug/L #	72
69) 1,3,5-Trimethylbenzene	11.075	105	136537	20.00	ug/L	96
70) 1,2,3-Trichloropropane	11.093	110	19327	20.00	ug/L #	78
71) t-1,4-Dichloro-2-butene	11.124	88	4241	20.00	ug/L #	72
72) 4-Chlorotoluene	11.184	91	121472	19.91	ug/L	97
73) tert-Butylbenzene	11.330	91	73967	20.00	ug/L	91
74) 1,2,4-Trimethylbenzene	11.385	105	136037	20.00	ug/L	100
75) sec-Butylbenzene	11.464	105	154641	20.00	ug/L	98
76) 4-Isopropyltoluene	11.574	119	127726	20.00	ug/L	96
77) 1,3-Dichlorobenzene	11.641	146	72431	20.00	ug/L	96
78) 1,4-Dichlorobenzene	11.714	146	75248	20.00	ug/L	98
79) n-Butylbenzene	11.896	91	111724	20.00	ug/L	95
80) 1,2-Dichlorobenzene	12.030	146	69381	20.00	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.632	157	6686	20.00	ug/L #	48
82) Hexachlorobutadiene	13.131	223	9271	20.00	ug/L	97
83) 1,2,4-Trichlorobenzene	13.168	180	39042	20.00	ug/L	97
84) Naphthalene	13.441	128	141329	20.00	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	38141	20.00	ug/L	96

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041512.D
Acq On : 15 Apr 2020 11:57 pm
Operator : tb
Sample : 0D15055-CAL8
Misc : 1X 20ppb 5mL DI+MeOH
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:49 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041513.D
 Acq On : 16 Apr 2020 12:25 am
 Operator : tb
 Sample : 0D15055-CAL9
 Misc : 1X 50ppb 5mL DI+MeOH
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:32:51 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	116538	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.745	117	297469	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.697	152	136954	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.535	111	103189	51.12	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.587	114	360421	50.01	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	430275	48.08	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	106668	51.11	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.605	85	126088	57.43	ug/L		97
3) Chloromethane	1.818	50	168997	50.99	ug/L		98
4) Vinyl Chloride	1.909	62	179986	51.25	ug/L		96
5) Bromomethane	2.262	96	100159	46.19	ug/L		97
6) Chloroethane	2.384	64	25402	47.05	ug/L		88
7) Trichlorofluoromethane	2.511	101	27213	46.73	ug/L		98
8) Ethanol	3.187	45	131135	2333.79	ug/L		91
9) 1,1-Dichloroethene	3.071	61	197239	48.55	ug/L		78
10) Carbon Disulfide	3.089	76	282168	51.47	ug/L		98
11) Freon 113	3.126	101	104999	47.95	ug/L		83
12) Iodomethane	3.229	142	51290	69.26	ug/L		93
13) Methylene Chloride	3.716	84	122320	45.95	ug/L		85
14) Acetone	3.801	43	146914	98.02	ug/L		95
15) t-1,2-Dichloroethene	3.874	61	193548	49.06	ug/L		95
16) n-Hexane	3.953	86	22519	49.48	ug/L	#	83
17) Methyl-tert-butyl-ether	4.020	73	463120	50.06	ug/L		98
18) tert-Butanol (TBA)	4.190	59	1310897	2501.92	ug/L	#	89
19) Diisopropyl ether (DIPE)	4.409	45	98505	9.72	ug/L		94
20) 1,1-Dichloroethane	4.513	63	249916	48.20	ug/L		97
21) Acrylonitrile	4.580	53	85675	49.99	ug/L		96
22) Ethyl-tert-butyl ether...	4.774	59	89034	9.75	ug/L		95
23) c-1,2-Dichloroethene	5.066	61	195333	49.25	ug/L		91
24) 2,2-Dichloropropane	5.170	77	152582	51.34	ug/L		97
25) Bromochloromethane	5.267	49	128003	48.23	ug/L		83
26) Chloroform	5.352	83	222246	50.10	ug/L		95
27) Carbon Tetrachloride	5.474	117	86612	56.10	ug/L		98
28) Tetrahydrofuran	5.517	42	90195	50.53	ug/L		94
29) 1,1,1-Trichloroethane	5.547	97	170925	52.37	ug/L		95
31) 1,1-Dichloropropene	5.675	75	182174	49.46	ug/L		97
32) 2-Butanone (MEK)	5.669	43	231100	100.17	ug/L		98
33) Benzene	5.930	78	565590	48.68	ug/L		98
34) tert-Amyl methyl ether...	6.064	73	83520	9.70	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.149	62	201358	48.83	ug/L		98
36) iso-Butyl Alcohol	6.216	43	255815	1444.34	ug/L		93
38) Trichloroethene (TCE)	6.551	130	138908	51.10	ug/L		94
39) tert-Amyl ethyl ether ...	6.806	59	67678	9.67	ug/L		91
40) Dibromomethane	7.001	93	82297	50.81	ug/L		85
41) 1,2-Dichloropropane	7.104	63	149624	49.70	ug/L		95
42) Bromodichloromethane	7.183	83	119930	58.15	ug/L		98
44) c-1,3-Dichloropropene	7.883	75	189021	52.47	ug/L		89
46) Toluene	8.151	91	560272	47.25	ug/L		98
47) Trachloroethene (PCE)	8.595	166	119295	47.72	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.595	43	408181	98.88	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041513.D
 Acq On : 16 Apr 2020 12:25 am
 Operator : tb
 Sample : 0D15055-CAL9
 Misc : 1X 50ppb 5mL DI+MeOH
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

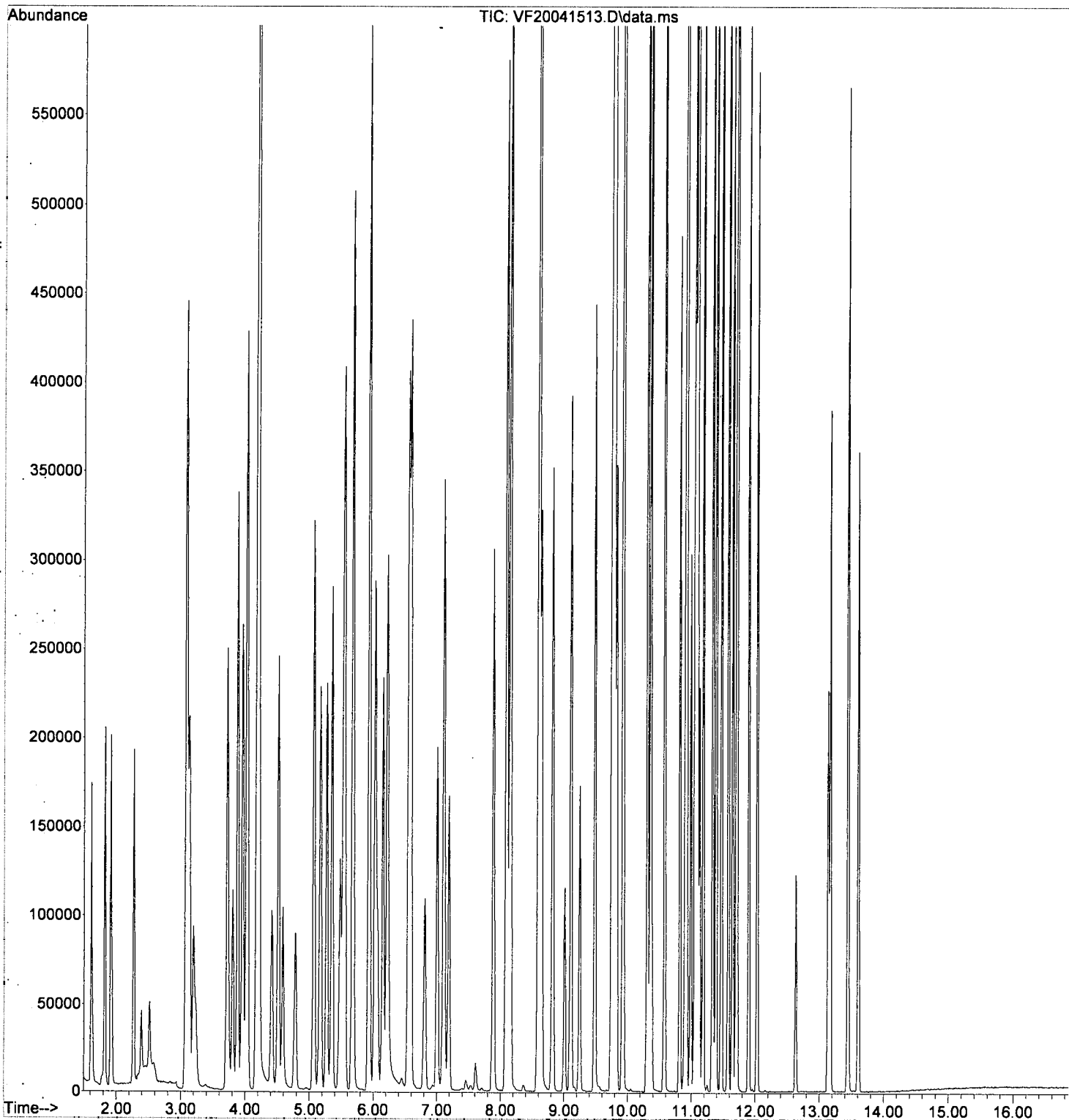
Quant Time: Apr 16 12:32:51 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.637	75	179668	53.63	ug/L	95
50) 1,1,2-Trichloroethane	8.814	97	121861	49.19	ug/L	94
51) Dibromochloromethane	9.008	129	64760	64.15	ug/L	95
52) 1,3-Dichloropropane	9.106	76	233294	48.59	ug/L	93
53) 1,2-Dibromoethane (EDB)	9.246	107	123680	51.04	ug/L	98
54) 2-Hexanone	9.477	43	291905	100.30	ug/L	94
55) Chlorobenzene	9.757	112	327074	49.32	ug/L	95
56) Ethylbenzene	9.781	91	570093	49.57	ug/L	95
57) 1,1,1,2-Tetrachloroethane	9.824	131	76855	61.73	ug/L	97
58) m,p-Xylenes (2)	9.921	91	860176	99.75	ug/L	97
59) o-Xylene	10.304	91	426275	50.55	ug/L	96
60) Styrene	10.353	104	318164	52.20	ug/L	93
61) Bromoform	10.377	173	32452	66.09	ug/L	98
62) Isopropylbenzene	10.572	105	478235	49.84	ug/L	97
65) Bromobenzene	10.900	156	118217	50.72	ug/L	86
66) n-Propylbenzene	10.919	91	543089	51.11	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.986	83	125467	48.27	ug/L	98
68) 2-Chlorotoluene	11.046	126	106097	51.10	ug/L #	81
69) 1,3,5-Trimethylbenzene	11.077	105	376245	51.40	ug/L	97
70) 1,2,3-Trichloropropane	11.095	110	50810	49.04	ug/L #	77
71) t-1,4-Dichloro-2-butene	11.126	88	14873	65.42	ug/L #	91
72) 4-Chlorotoluene	11.180	91	330632	50.54	ug/L	96
73) tert-Butylbenzene	11.326	91	201935	50.93	ug/L	89
74) 1,2,4-Trimethylbenzene	11.387	105	374946	51.41	ug/L	98
75) sec-Butylbenzene	11.466	105	422723	50.99	ug/L	97
76) 4-Isopropyltoluene	11.576	119	353303	51.60	ug/L	96
77) 1,3-Dichlorobenzene	11.643	146	192153	49.49	ug/L	96
78) 1,4-Dichlorobenzene	11.710	146	196840	48.80	ug/L	97
79) n-Butylbenzene	11.892	91	302715	50.54	ug/L	95
80) 1,2-Dichlorobenzene	12.026	146	183116	49.23	ug/L	97
81) 1,2-Dibromo-3-Chloropr...	12.634	157	22914	63.93	ug/L #	69
82) Hexachlorobutadiene	13.133	223	23851	47.99	ug/L	98
83) 1,2,4-Trichlorobenzene	13.170	180	105320	50.32	ug/L	98
84) Naphthalene	13.443	128	399948	52.79	ug/L	100
85) 1,2,3-Trichlorobenzene	13.602	180	101709	49.74	ug/L	96

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041513.D
Acq On : 16 Apr 2020 12:25 am
Operator : tb
Sample : 0D15055-CAL9
Misc : 1X 50ppb 5mL DI+MeOH
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:51 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041513.D
 Acq On : 16 Apr 2020 12:25 am
 Operator : tb
 Sample : 0D15055-CAL9
 Misc : 1X 50ppb 5mL DI+MeOH
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Paul
4/16/20

Quant Time: Apr 16 12:32:51 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	116538	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.745	117	297469	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.697	152	136954	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.535	111	103189	51.12	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.587	114	360421	50.01	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	430275	48.08	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	106668	51.11	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.605	85	126088	57.43	ug/L		97
3) Chloromethane	1.818	50	168997	50.99	ug/L		98
4) Vinyl Chloride	1.909	62	179986	51.25	ug/L		96
5) Bromomethane	2.262	96	100159	46.19	ug/L		97
6) Chloroethane	2.384	64	25402	47.05	ug/L		88
7) Trichlorofluoromethane	2.511	101	27213	46.73	ug/L		98
8) Ethanol	3.187	45	131135	2333.79	ug/L		91
9) 1,1-Dichloroethene	3.071	61	197239	48.55	ug/L		78
10) Carbon Disulfide	3.089	76	282168	51.47	ug/L		98
11) Freon 113	3.126	101	104999	47.95	ug/L		83
12) Iodomethane	3.229	142	51290	69.26	ug/L		93
13) Methylene Chloride	3.716	84	122320	45.95	ug/L		85
14) Acetone	3.801	43	146914	98.02	ug/L		95
15) t-1,2-Dichloroethene	3.874	61	193548	49.06	ug/L		95
16) n-Hexane	3.953	86	22519	49.48	ug/L	#	83
17) Methyl-tert-butyl-ether	4.020	73	463120	50.06	ug/L		98
18) tert-Butanol (TBA)	4.190	59	1310897	2501.92	ug/L	#	89
19) Diisopropyl ether (DIPE)	4.409	45	98505	9.72	ug/L		94
20) 1,1-Dichloroethane	4.513	63	249916	48.20	ug/L		97
21) Acrylonitrile	4.580	53	85675	49.99	ug/L		96
22) Ethyl-tert-butyl ether...	4.774	59	89034	9.75	ug/L		95
23) c-1,2-Dichloroethene	5.066	61	195333	49.25	ug/L		91
24) 2,2-Dichloropropane	5.170	77	152582	51.34	ug/L		97
25) Bromochloromethane	5.267	49	128003	48.23	ug/L		83
26) Chloroform	5.352	83	222246	50.10	ug/L		95
27) Carbon Tetrachloride	5.474	117	86612	56.10	ug/L		98
28) Tetrahydrofuran	5.517	42	90195	50.53	ug/L		94
29) 1,1,1-Trichloroethane	5.547	97	170925	52.37	ug/L		95
31) 1,1-Dichloropropene	5.675	75	182174	49.46	ug/L		97
32) 2-Butanone (MEK)	5.669	43	231100	100.17	ug/L		98
33) Benzene	5.930	78	565590	48.68	ug/L		98
34) tert-Amyl methyl ether...	6.064	73	83520	9.70	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.149	62	201358	48.83	ug/L		98
36) iso-Butyl Alcohol	6.216	43	255815	1444.34	ug/L		93
38) Trichloroethene (TCE)	6.551	130	138908	51.10	ug/L		94
39) tert-Amyl ethyl ether ...	6.806	59	67678	9.67	ug/L		91
40) Dibromomethane	7.001	93	82297	50.81	ug/L		85
41) 1,2-Dichloropropane	7.104	63	149624	49.70	ug/L		95
42) Bromodichloromethane	7.183	83	119930	58.15	ug/L		98
44) c-1,3-Dichloropropene	7.883	75	189021	52.47	ug/L		89
46) Toluene	8.151	91	560272	47.25	ug/L		98
47) Tetrachloroethene (PCE)	8.595	166	119295	47.72	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.595	43	408181	98.88	ug/L		94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041513.D
 Acq On : 16 Apr 2020 12:25 am
 Operator : tb
 Sample : 0D15055-CAL9
 Misc : 1X 50ppb 5mL DI+MeOH
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:51 2020
 Quant Method : C:\msdchem\1\METHODS\VF20041513.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

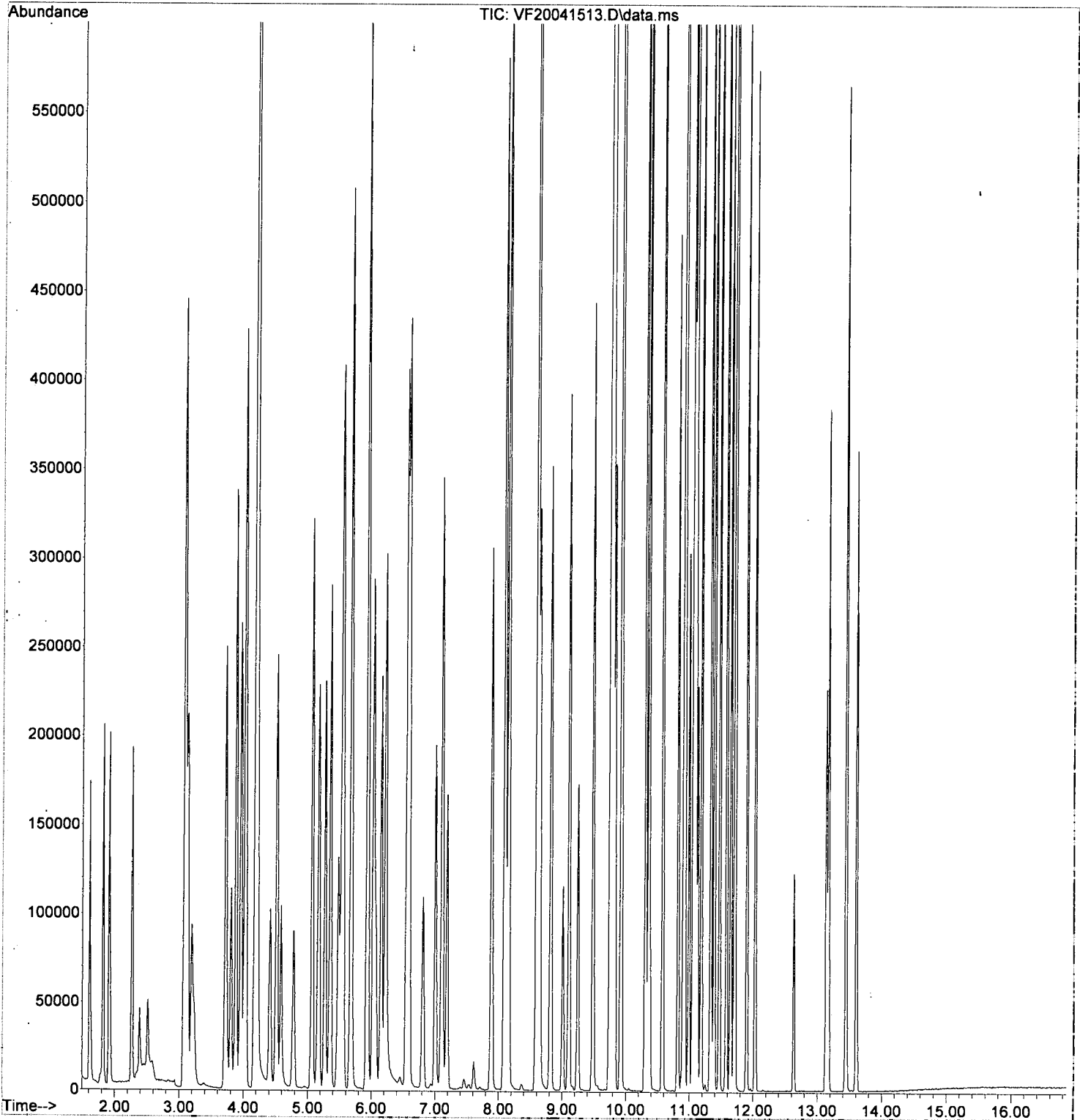
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.637	75	179668	53.63	ug/L	95
50) 1,1,2-Trichloroethane	8.814	97	121861	49.19	ug/L	94
51) Dibromochloromethane	9.008	129	64760	64.15	ug/L	95
52) 1,3-Dichloropropane	9.106	76	233294	48.59	ug/L	93
53) 1,2-Dibromoethane (EDB)	9.246	107	123680	51.04	ug/L	98
54) 2-Hexanone	9.477	43	291905	100.30	ug/L	94
55) Chlorobenzene	9.757	112	327074	49.32	ug/L	95
56) Ethylbenzene	9.781	91	570093	49.57	ug/L	95
57) 1,1,1,2-Tetrachloroethane	9.824	131	76855	61.73	ug/L	97
58) m,p-Xylenes (2)	9.921	91	860176	99.75	ug/L	97
59) o-Xylene	10.304	91	426275	50.55	ug/L	96
60) Styrene	10.353	104	318164	52.20	ug/L	93
61) Bromoform	10.377	173	32452	66.09	ug/L	98
62) Isopropylbenzene	10.572	105	478235	49.84	ug/L	97
65) Bromobenzene	10.900	156	118217	50.72	ug/L	86
66) n-Propylbenzene	10.919	91	543089	51.11	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.986	83	125467	48.27	ug/L	98
68) 2-Chlorotoluene	11.046	126	106097	51.10	ug/L #	81
69) 1,3,5-Trimethylbenzene	11.077	105	376245	51.40	ug/L	97
70) 1,2,3-Trichloropropane	11.095	110	50810	49.04	ug/L #	77
71) t-1,4-Dichloro-2-butene	11.126	88	14873	65.42	ug/L #	91
72) 4-Chlorotoluene	11.180	91	330632	50.54	ug/L	96
73) tert-Butylbenzene	11.326	91	201935	50.93	ug/L	89
74) 1,2,4-Trimethylbenzene	11.387	105	374946	51.41	ug/L	98
75) sec-Butylbenzene	11.466	105	422723	50.99	ug/L	97
76) 4-Isopropyltoluene	11.576	119	353303	51.60	ug/L	96
77) 1,3-Dichlorobenzene	11.643	146	192153	49.49	ug/L	96
78) 1,4-Dichlorobenzene	11.710	146	196840	48.80	ug/L	97
79) n-Butylbenzene	11.892	91	302715	50.54	ug/L	95
80) 1,2-Dichlorobenzene	12.026	146	183116	49.23	ug/L	97
81) 1,2-Dibromo-3-Chloropr...	12.634	157	22914	63.93	ug/L #	69
82) Hexachlorobutadiene	13.133	223	23851	47.99	ug/L	98
83) 1,2,4-Trichlorobenzene	13.170	180	105320	50.32	ug/L	98
84) Naphthalene	13.443	128	399948	52.79	ug/L	100
85) 1,2,3-Trichlorobenzene	13.602	180	101709	49.74	ug/L	96

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041513.D
Acq On : 16 Apr 2020 12:25 am
Operator : tb
Sample : 0D15055-CAL9
Misc : 1X 50ppb 5mL DI+MeOH
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:51 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041514.D
 Acq On : 16 Apr 2020 12:52 am
 Operator : tb
 Sample : 0D15055-IBL3
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 14 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

NR

Quant Time: Apr 17 13:36:34 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	Qvalue
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	119088	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	314346	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.697	152	146054	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	98151	48.68	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.581	114	361203	48.93	ug/L	0.00	
45) Toluene-d8 (S)	8.090	98	440245	49.35	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.815	174	116694	50.50	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.593	85	404	0.17	ug/L		83
3) Chloromethane	1.794	50	614	0.17	ug/L		85
5) Bromomethane	2.250	96	1623	0.71	ug/L		96
8) Ethanol	3.168	45	1501	27.27	ug/L		89
10) Carbon Disulfide	3.077	76	1962	0.35	ug/L		89
11) Freon 113	3.126	101	553	0.26	ug/L		83
12) Iodomethane	3.217	142	581	3.14	ug/L	#	86
13) Methylene Chloride	3.710	84	5698	2.15	ug/L		88
14) Acetone	3.789	43	2598	1.81	ug/L		87
15) t-1,2-Dichloroethene	3.868	61	598	0.15	ug/L		82
18) tert-Butanol (TBA)	4.166	59	965	2.01	ug/L	#	60
28) Tetrahydrofuran	5.529	42	538	0.29	ug/L	#	70
31) 1,1-Dichloropropene	5.669	75	619	0.17	ug/L	#	41
32) 2-Butanone (MEK)	5.675	43	295	0.13	ug/L		54
36) iso-Butyl Alcohol	6.235	43	1673	8.78	ug/L		90
38) Trichloroethene (TCE)	6.551	130	299	0.11	ug/L	#	43
39) tert-Amyl ethyl ether ...	6.794	59	1279	0.17	ug/L	#	58
46) Toluene	8.151	91	1374	0.11	ug/L		84
47) Tetrachloroethene (PCE)	8.601	166	616	0.25	ug/L		94
55) Chlorobenzene	9.757	112	1133	0.16	ug/L	#	7
56) Ethylbenzene	9.787	91	2148	0.18	ug/L		92
58) m,p-Xylenes (2)	9.921	91	3303	0.38	ug/L		89
59) o-Xylene	10.310	91	1364	0.16	ug/L		93
60) Styrene	10.359	104	633	0.17	ug/L		87
62) Isopropylbenzene	10.578	105	2655	0.28	ug/L		96
65) Bromobenzene	10.901	156	458	0.18	ug/L	#	75
66) n-Propylbenzene	10.919	91	4358	0.39	ug/L		95
68) 2-Chlorotoluene	11.053	126	608	0.28	ug/L		88
69) 1,3,5-Trimethylbenzene	11.077	105	2727	0.36	ug/L		94
72) 4-Chlorotoluene	11.186	91	2121	0.31	ug/L		95
73) tert-Butylbenzene	11.326	91	2202	0.53	ug/L		82
74) 1,2,4-Trimethylbenzene	11.387	105	2550	0.34	ug/L		98
75) sec-Butylbenzene	11.466	105	5711	0.67	ug/L		93
76) 4-Isopropyltoluene	11.576	119	4564	0.66	ug/L		92
77) 1,3-Dichlorobenzene	11.649	146	1618	0.40	ug/L		93
78) 1,4-Dichlorobenzene	11.710	146	1914	0.44	ug/L	#	53
79) n-Butylbenzene	11.892	91	5577	0.91	ug/L		88
80) 1,2-Dichlorobenzene	12.032	146	1444	0.37	ug/L		97
82) Hexachlorobutadiene	13.133	223	669	1.39	ug/L	#	73
83) 1,2,4-Trichlorobenzene	13.170	180	1979	1.01	ug/L		85
84) Naphthalene	13.443	128	2611	0.35	ug/L		90
85) 1,2,3-Trichlorobenzene	13.608	180	1825	0.95	ug/L		80

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041514.D
Acq On : 16 Apr 2020 12:52 am
Operator : tb
Sample : 0D15055-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

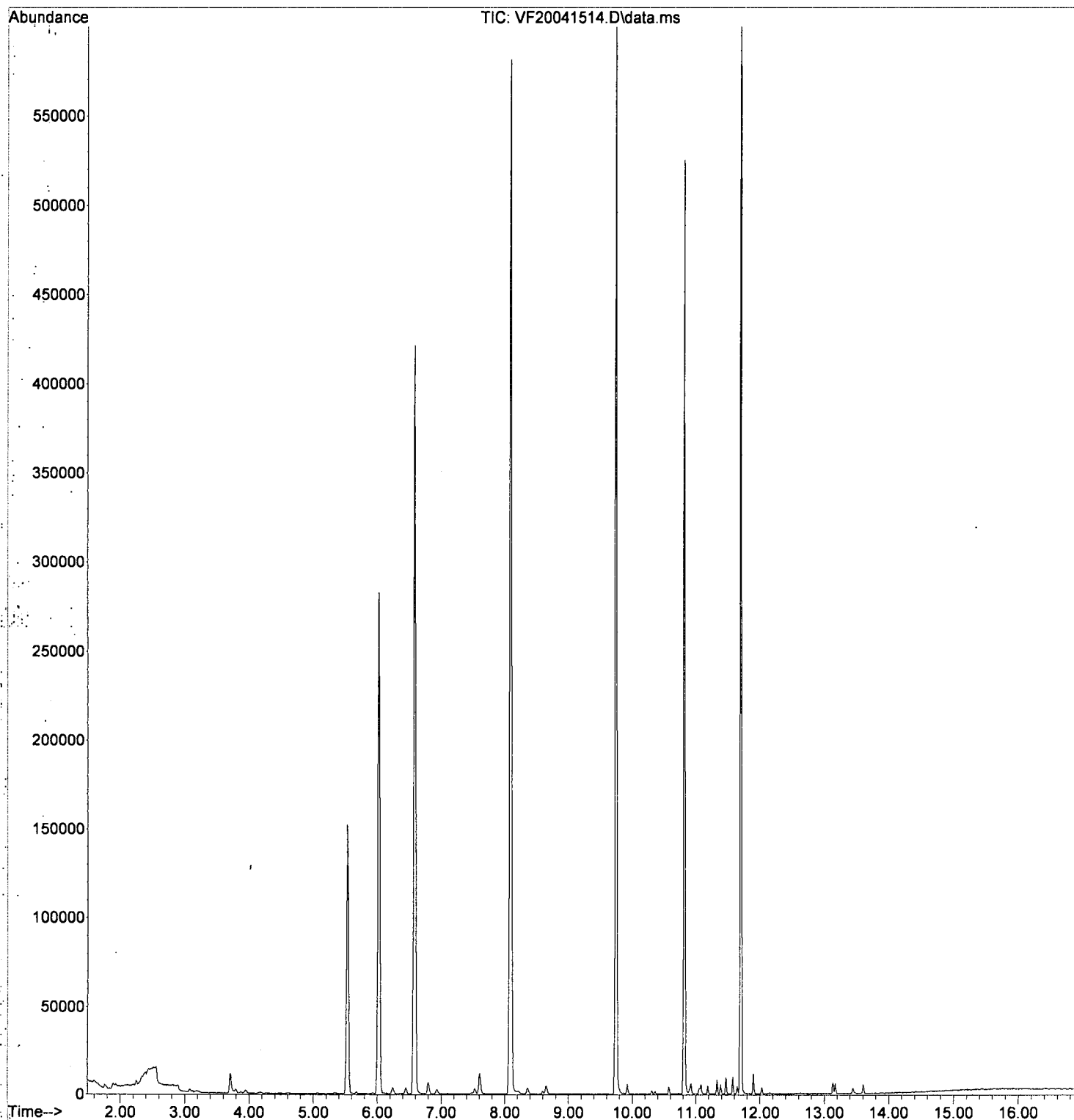
Quant Time: Apr 17 13:36:34 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041514.D
Acq On : 16 Apr 2020 12:52 am
Operator : tb
Sample : 0D15055-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:34 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041515.D
 Acq On : 16 Apr 2020 1:19 am
 Operator : tb
 Sample : 0D15055-CALA
 Misc : 1X 100ppb 5mL DI+MeOH
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:53 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration



Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.023	99	132854	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.740	117	365587	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	178162	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.537	111	121531	52.81	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.583	114	414674	50.48	ug/L	0.00	
45) Toluene-d8 (S)	8.086	98	494015	44.92	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	136740	50.37	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.601	85	292590	116.90	ug/L		98
3) Chloromethane	1.814	50	333918	88.37	ug/L		98
4) Vinyl Chloride	1.893	62	440241	109.95	ug/L		96
5) Bromomethane	2.252	96	247079	99.96	ug/L		98
6) Chloroethane	2.392	64	118030	191.76	ug/L		97
7) Trichlorofluoromethane	2.531	101	97979	147.60	ug/L		98
8) Ethanol	3.268	45	206092	3217.34	ug/L		93
9) 1,1-Dichloroethene	3.085	61	460684	99.48	ug/L		80
10) Carbon Disulfide	3.097	76	665717	106.52	ug/L		98
11) Freon 113	3.134	101	240943	96.52	ug/L		81
12) Iodomethane	3.237	142	154318	182.80	ug/L		91
13) Methylene Chloride	3.718	84	270941	89.27	ug/L		87
14) Acetone	3.797	43	249122	145.80	ug/L		96
15) t-1,2-Dichloroethene	3.876	61	444929	98.92	ug/L		94
16) n-Hexane	3.955	86	49367	95.14	ug/L	#	82
17) Methyl-tert-butyl-ether	4.010	73	1054735	100.01	ug/L		97
18) tert-Butanol (TBA)	4.198	59	2453761	4107.99	ug/L	#	89
19) Diisopropyl ether (DIPE)	4.405	45	224976	19.48	ug/L		94
20) 1,1-Dichloroethane	4.515	63	577383	97.69	ug/L		98
21) Acrylonitrile	4.576	53	169418	86.71	ug/L		98
22) Ethyl-tert-butyl ether...	4.770	59	205335	19.72	ug/L		94
23) c-1,2-Dichloroethene	5.062	61	453158	100.23	ug/L		91
24) 2,2-Dichloropropane	5.166	77	358882	105.93	ug/L		96
25) Bromochloromethane	5.263	49	283605	93.74	ug/L		82
26) Chloroform	5.348	83	517247	102.28	ug/L		96
27) Carbon Tetrachloride	5.476	117	241823	137.40	ug/L		97
28) Tetrahydrofuran	5.518	42	168992	83.04	ug/L		94
29) 1,1,1-Trichloroethane	5.549	97	425093	114.24	ug/L		96
31) 1,1-Dichloropropene	5.677	75	427761	101.88	ug/L		98
32) 2-Butanone (MEK)	5.671	43	462627	175.90	ug/L		98
33) Benzene	5.926	78	1308491	98.78	ug/L		98
34) tert-Amyl methyl ether...	6.060	73	192714	19.64	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.145	62	455212	96.83	ug/L		98
36) iso-Butyl Alcohol	6.230	43	509873	2525.21	ug/L		92
38) Trichloroethene (TCE)	6.547	130	326538	105.36	ug/L		94
39) tert-Amyl ethyl ether ...	6.802	59	158634	19.87	ug/L		87
40) Dibromomethane	6.997	93	192103	104.04	ug/L		85
41) 1,2-Dichloropropane	7.106	63	346937	101.10	ug/L		95
42) Bromodichloromethane	7.185	83	321675	136.83	ug/L		98
44) c-1,3-Dichloropropene	7.879	75	473203	106.89	ug/L		90
46) Toluene	8.147	91	1318275	90.46	ug/L		100
47) Trachloroethene (PCE)	8.597	166	281716	91.69	ug/L		93
48) 4-Methyl-2-Pentanone (...)	8.591	43	1028968	202.81	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041515.D
 Acq On : 16 Apr 2020 1:19 am
 Operator : tb
 Sample : 0D15055-CALA
 Misc : 1X 100ppb 5mL DI+MeOH
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

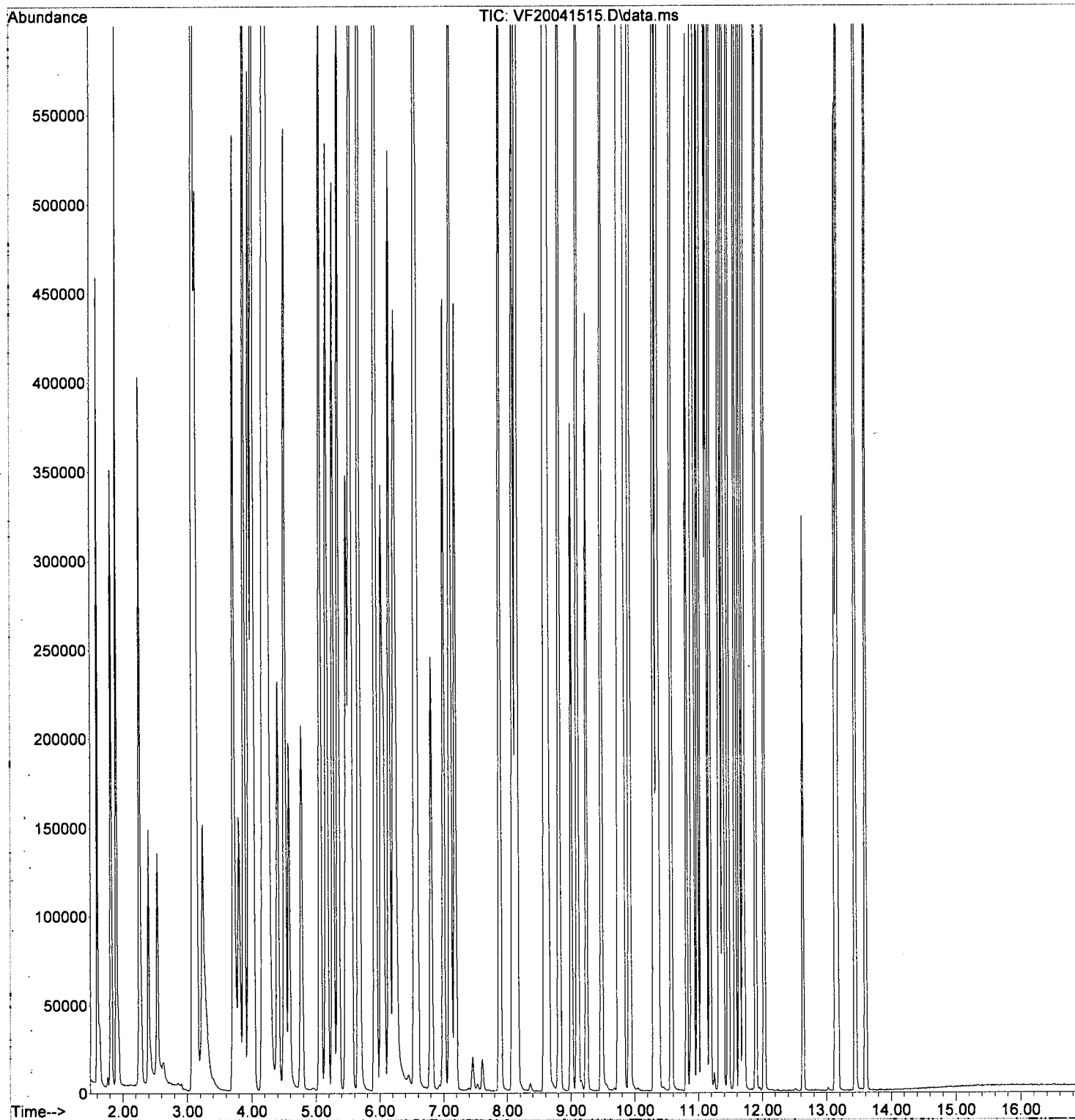
Quant Time: Apr 16 12:32:53 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.639	75	458797	111.43	ug/L	95
50) 1,1,2-Trichloroethane	8.816	97	297100	97.59	ug/L	94
51) Dibromochloromethane	9.004	129	204083	164.50	ug/L	95
52) 1,3-Dichloropropane	9.102	76	553896	93.87	ug/L	90
53) 1,2-Dibromoethane (EDB)	9.242	107	302521	101.59	ug/L	100
54) 2-Hexanone	9.479	43	677189	189.33	ug/L	95
55) Chlorobenzene	9.759	112	808830	99.24	ug/L	95
56) Ethylbenzene	9.783	91	1397366	98.86	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.819	131	230226	150.47	ug/L	98
58) m,p-Xylenes (2)	9.923	91	2135488	201.50	ug/L	98
59) o-Xylene	10.306	91	1061498	102.42	ug/L	98
60) Styrene	10.355	104	830790	110.90	ug/L	95
61) Bromoform	10.379	173	126429	209.50	ug/L	99
62) Isopropylbenzene	10.574	105	1206079	102.27	ug/L	98
65) Bromobenzene	10.902	156	309168	101.96	ug/L	89
66) n-Propylbenzene	10.921	91	1365607	98.78	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.988	83	349551	103.38	ug/L	98
68) 2-Chlorotoluene	11.048	126	274224	101.54	ug/L #	80
69) 1,3,5-Trimethylbenzene	11.079	105	956960	100.50	ug/L	97
70) 1,2,3-Trichloropropane	11.091	110	134530	99.81	ug/L #	72
71) t-1,4-Dichloro-2-butene	11.127	88	46974	158.82	ug/L #	91
72) 4-Chlorotoluene	11.182	91	851952	100.11	ug/L	98
73) tert-Butylbenzene	11.328	91	522049	101.20	ug/L	89
74) 1,2,4-Trimethylbenzene	11.383	105	955595	100.72	ug/L	98
75) sec-Butylbenzene	11.468	105	1081598	100.29	ug/L	97
76) 4-Isopropyltoluene	11.578	119	905176	101.62	ug/L	97
77) 1,3-Dichlorobenzene	11.645	146	505402	100.05	ug/L	98
78) 1,4-Dichlorobenzene	11.711	146	514919	98.12	ug/L	99
79) n-Butylbenzene	11.894	91	771380	99.00	ug/L	96
80) 1,2-Dichlorobenzene	12.028	146	468861	95.90	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.630	157	64406	138.13	ug/L #	66
82) Hexachlorobutadiene	13.135	223	60989	94.33	ug/L	98
83) 1,2,4-Trichlorobenzene	13.165	180	257771	94.67	ug/L	97
84) Naphthalene	13.439	128	925706	93.92	ug/L	99
85) 1,2,3-Trichlorobenzene	13.603	180	237228	89.19	ug/L	98

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041515.D
Acq On : 16 Apr 2020 1:19 am
Operator : tb
Sample : 0D15055-CALA
Misc : 1X 100ppb 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:53 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041515.D
 Acq On : 16 Apr 2020 1:19 am
 Operator : tb
 Sample : 0D15055-CALA
 Misc : 1X 100ppb 5mL DI+MeOH
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:53 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.023	99	132854	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.740	117	365587	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	178162	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.537	111	121531	52.81	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.583	114	414674	50.48	ug/L	0.00	
45) Toluene-d8 (S)	8.086	98	494015	44.92	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	136740	50.37	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.601	85	292590	116.90	ug/L		98
3) Chloromethane	1.814	50	333918	88.37	ug/L		98
4) Vinyl Chloride	1.893	62	440241	109.95	ug/L		96
5) Bromomethane	2.252	96	247079	99.96	ug/L		98
6) Chloroethane	2.392	64	118030	191.76	ug/L		97
7) Trichlorofluoromethane	2.531	101	97979	147.60	ug/L		98
8) Ethanol	3.268	45	206092	3217.34	ug/L		93
9) 1,1-Dichloroethene	3.085	61	460684	99.48	ug/L		80
10) Carbon Disulfide	3.097	76	665717	106.52	ug/L		98
11) Freon 113	3.134	101	240943	96.52	ug/L		81
12) Iodomethane	3.237	142	154318	182.80	ug/L		91
13) Methylene Chloride	3.718	84	270941	89.27	ug/L		87
14) Acetone	3.797	43	249122	145.80	ug/L		96
15) t-1,2-Dichloroethene	3.876	61	444929	98.92	ug/L		94
16) n-Hexane	3.955	86	49367	95.14	ug/L	#	82
17) Methyl-tert-butyl-ether	4.010	73	1054735	100.01	ug/L		97
18) tert-Butanol (TBA)	4.198	59	2453761	4107.99	ug/L	#	89
19) Diisopropyl ether (DIPE)	4.405	45	224976	19.48	ug/L		94
20) 1,1-Dichloroethane	4.515	63	577383	97.69	ug/L		98
21) Acrylonitrile	4.576	53	169418	86.71	ug/L		98
22) Ethyl-tert-butyl ether...	4.770	59	205335	19.72	ug/L		94
23) c-1,2-Dichloroethene	5.062	61	453158	100.23	ug/L		91
24) 2,2-Dichloropropane	5.166	77	358882	105.93	ug/L		96
25) Bromochloromethane	5.263	49	283605	93.74	ug/L		82
26) Chloroform	5.348	83	517247	102.28	ug/L		96
27) Carbon Tetrachloride	5.476	117	241823	137.40	ug/L		97
28) Tetrahydrofuran	5.518	42	168992	83.04	ug/L		94
29) 1,1,1-Trichloroethane	5.549	97	425093	114.24	ug/L		96
31) 1,1-Dichloropropene	5.677	75	427761	101.88	ug/L		98
32) 2-Butanone (MEK)	5.671	43	462627	175.90	ug/L		98
33) Benzene	5.926	78	1308491	98.78	ug/L		98
34) tert-Amyl methyl ether...	6.060	73	192714	19.64	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.145	62	455212	96.83	ug/L		98
36) iso-Butyl Alcohol	6.230	43	509873	2525.21	ug/L		92
38) Trichloroethene (TCE)	6.547	130	326538	105.36	ug/L		94
39) tert-Amyl ethyl ether ...	6.802	59	158634	19.87	ug/L		87
40) Dibromomethane	6.997	93	192103	104.04	ug/L		85
41) 1,2-Dichloropropane	7.106	63	346937	101.10	ug/L		95
42) Bromodichloromethane	7.185	83	321675	136.83	ug/L		98
44) c-1,3-Dichloropropene	7.879	75	473203	106.89	ug/L		90
46) Toluene	8.147	91	1318275	90.46	ug/L		100
47) Tetrachloroethene (PCE)	8.597	166	281716	91.69	ug/L		93
48) 4-Methyl-2-Pentanone (...)	8.591	43	1028968	202.81	ug/L		94

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041515.D
 Acq On : 16 Apr 2020 1:19 am
 Operator : tb
 Sample : 0D15055-CALA
 Misc : 1X 100ppb 5mL DI+MeOH
 ALS Vial : 15 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:53 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

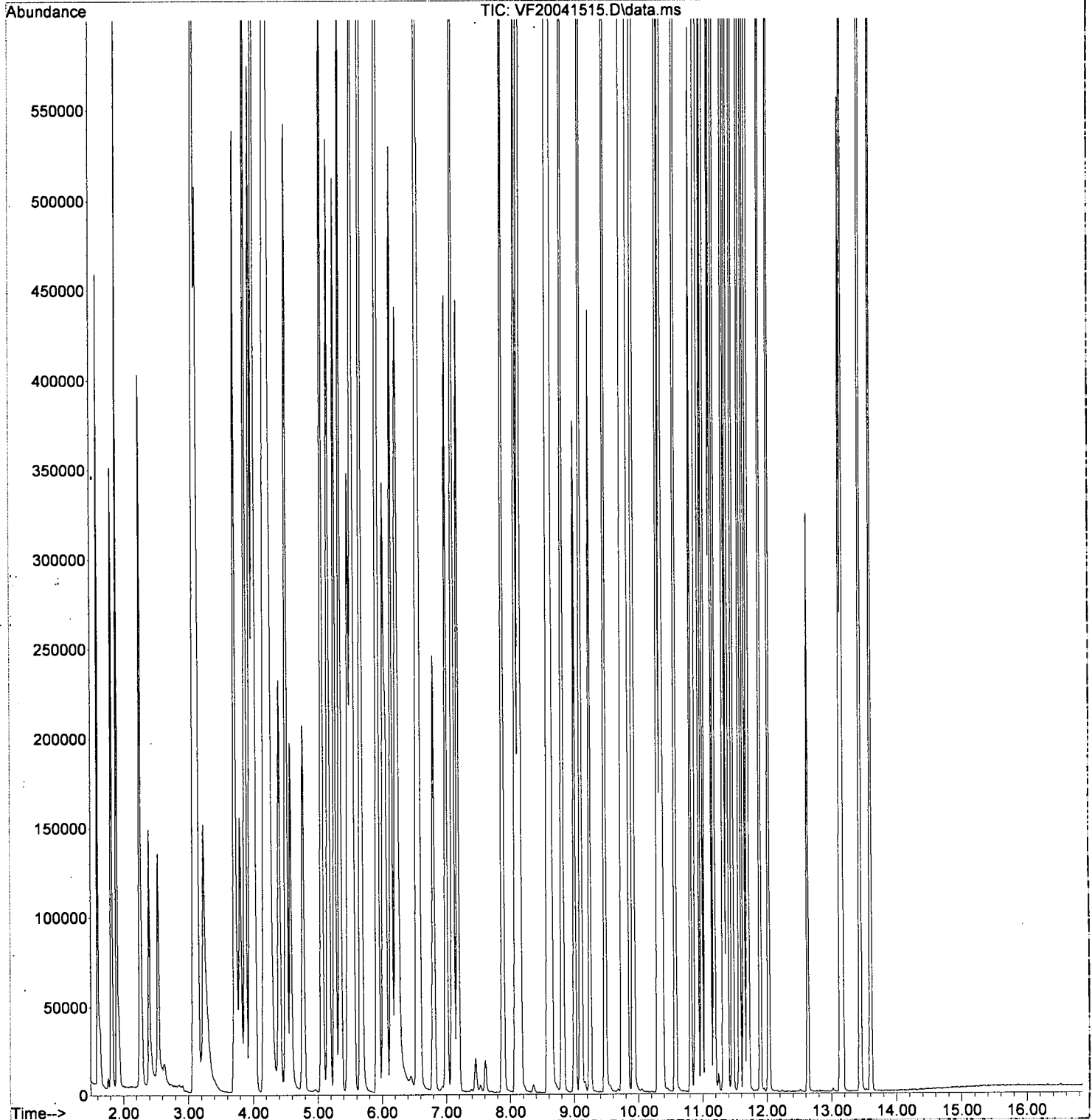
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
49) t-1,3-Dichloropropene	8.639	75	458797	111.43	ug/L	95
50) 1,1,2-Trichloroethane	8.816	97	297100	97.59	ug/L	94
51) Dibromochloromethane	9.004	129	204083	164.50	ug/L	95
52) 1,3-Dichloropropane	9.102	76	553896	93.87	ug/L	90
53) 1,2-Dibromoethane (EDB)	9.242	107	302521	101.59	ug/L	100
54) 2-Hexanone	9.479	43	677189	189.33	ug/L	95
55) Chlorobenzene	9.759	112	808830	99.24	ug/L	95
56) Ethylbenzene	9.783	91	1397366	98.86	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.819	131	230226	150.47	ug/L	98
58) m,p-Xylenes (2)	9.923	91	2135488	201.50	ug/L	98
59) o-Xylene	10.306	91	1061498	102.42	ug/L	98
60) Styrene	10.355	104	830790	110.90	ug/L	95
61) Bromoform	10.379	173	126429	209.50	ug/L	99
62) Isopropylbenzene	10.574	105	1206079	102.27	ug/L	98
65) Bromobenzene	10.902	156	309168	101.96	ug/L	89
66) n-Propylbenzene	10.921	91	1365607	98.78	ug/L	97
67) 1,1,2,2-Tetrachloroethane	10.988	83	349551	103.38	ug/L	98
68) 2-Chlorotoluene	11.048	126	274224	101.54	ug/L #	80
69) 1,3,5-Trimethylbenzene	11.079	105	956960	100.50	ug/L	97
70) 1,2,3-Trichloropropane	11.091	110	134530	99.81	ug/L #	72
71) t-1,4-Dichloro-2-butene	11.127	88	46974	158.82	ug/L #	91
72) 4-Chlorotoluene	11.182	91	851952	100.11	ug/L	98
73) tert-Butylbenzene	11.328	91	522049	101.20	ug/L	89
74) 1,2,4-Trimethylbenzene	11.383	105	955595	100.72	ug/L	98
75) sec-Butylbenzene	11.468	105	1081598	100.29	ug/L	97
76) 4-Isopropyltoluene	11.578	119	905176	101.62	ug/L	97
77) 1,3-Dichlorobenzene	11.645	146	505402	100.05	ug/L	98
78) 1,4-Dichlorobenzene	11.711	146	514919	98.12	ug/L	99
79) n-Butylbenzene	11.894	91	771380	99.00	ug/L	96
80) 1,2-Dichlorobenzene	12.028	146	468861	96.90	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.630	157	64406	138.13	ug/L #	66
82) Hexachlorobutadiene	13.135	223	60989	94.33	ug/L	98
83) 1,2,4-Trichlorobenzene	13.165	180	257771	94.67	ug/L	97
84) Naphthalene	13.439	128	925706	93.92	ug/L	99
85) 1,2,3-Trichlorobenzene	13.603	180	237228	89.19	ug/L	98

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041515.D
Acq On : 16 Apr 2020 1:19 am
Operator : tb
Sample : 0D15055-CALA
Misc : 1X 100ppb 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:53 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041516.D
 Acq On : 16 Apr 2020 1:46 am
 Operator : tb
 Sample : 0D15055-IBL4
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 16 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

NR

Quant Time: Apr 17 13:36:36 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.025	99	130761	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.742	117	345108	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.701	152	157706	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	109668	49.54	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.585	114	400421	49.40	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	485656	49.58	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.813	174	127497	51.10	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.603	85	805	0.32	ug/L		94
3) Chloromethane	1.810	50	823	0.21	ug/L		92
4) Vinyl Chloride	1.901	62	437	0.11	ug/L		80
5) Bromomethane	2.260	96	1443	0.58	ug/L		94
6) Chloroethane	2.388	64	123	0.19	ug/L	#	1
7) Trichlorofluoromethane	2.521	101	145	0.23	ug/L		84
8) Ethanol	3.215	45	726	12.01	ug/L		80
9) 1,1-Dichloroethene	3.087	61	718	0.16	ug/L		83
10) Carbon Disulfide	3.099	76	3795	0.62	ug/L		95
11) Freon 113	3.136	101	1063	0.46	ug/L	#	74
12) Iodomethane	3.239	142	636	3.14	ug/L	#	88
13) Methylene Chloride	3.720	84	5509	1.89	ug/L		82
14) Acetone	3.805	43	2149	1.36	ug/L		97
15) t-1,2-Dichloroethene	3.878	61	1172	0.27	ug/L		96
18) tert-Butanol (TBA)	4.194	59	565	1.07	ug/L	#	65
23) c-1,2-Dichloroethene	5.076	61	654	0.15	ug/L		79
27) Carbon Tetrachloride	5.478	117	270	0.34	ug/L		78
28) Tetrahydrofuran	5.533	42	493	0.25	ug/L	#	70
31) 1,1-Dichloropropene	5.685	75	1139	0.28	ug/L		84
32) 2-Butanone (MEK)	5.685	43	403	0.16	ug/L		54
33) Benzene	5.934	78	1407	0.11	ug/L		84
35) 1,2-Dichloroethane (EDC)	6.153	62	426	0.09	ug/L	#	50
36) iso-Butyl Alcohol	6.244	43	1586	7.58	ug/L		97
38) Trichloroethene (TCE)	6.555	130	808	0.27	ug/L		81
39) tert-Amyl ethyl ether ...	6.798	59	1364	0.16	ug/L	#	64
40) Dibromomethane	6.999	93	176	0.10	ug/L	#	1
44) c-1,3-Dichloropropene	7.887	75	263	0.12	ug/L	#	40
46) Toluene	8.149	91	2397	0.18	ug/L		93
47) Tetrachloroethene (PCE)	8.599	166	1214	0.46	ug/L		86
49) t-1,3-Dichloropropene	8.647	75	228	0.22	ug/L		47
55) Chlorobenzene	9.761	112	2055	0.26	ug/L	#	71
56) Ethylbenzene	9.785	91	4147	0.32	ug/L		91
58) m,p-Xylenes (2)	9.925	91	6585	0.68	ug/L		97
59) o-Xylene	10.308	91	2683	0.28	ug/L		97
60) Styrene	10.357	104	1447	0.28	ug/L		80
62) Isopropylbenzene	10.576	105	5495	0.53	ug/L		96
65) Bromobenzene	10.904	156	972	0.36	ug/L		91
66) n-Propylbenzene	10.923	91	8443	0.71	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.983	83	281	0.10	ug/L		90
68) 2-Chlorotoluene	11.050	126	1402	0.59	ug/L		87
69) 1,3,5-Trimethylbenzene	11.081	105	5418	0.66	ug/L		94
72) 4-Chlorotoluene	11.184	91	4276	0.57	ug/L		96
73) tert-Butylbenzene	11.330	91	4405	0.97	ug/L		89

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041516.D
 Acq On : 16 Apr 2020 1:46 am
 Operator : tb
 Sample : 0D15055-IBL4
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 16 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

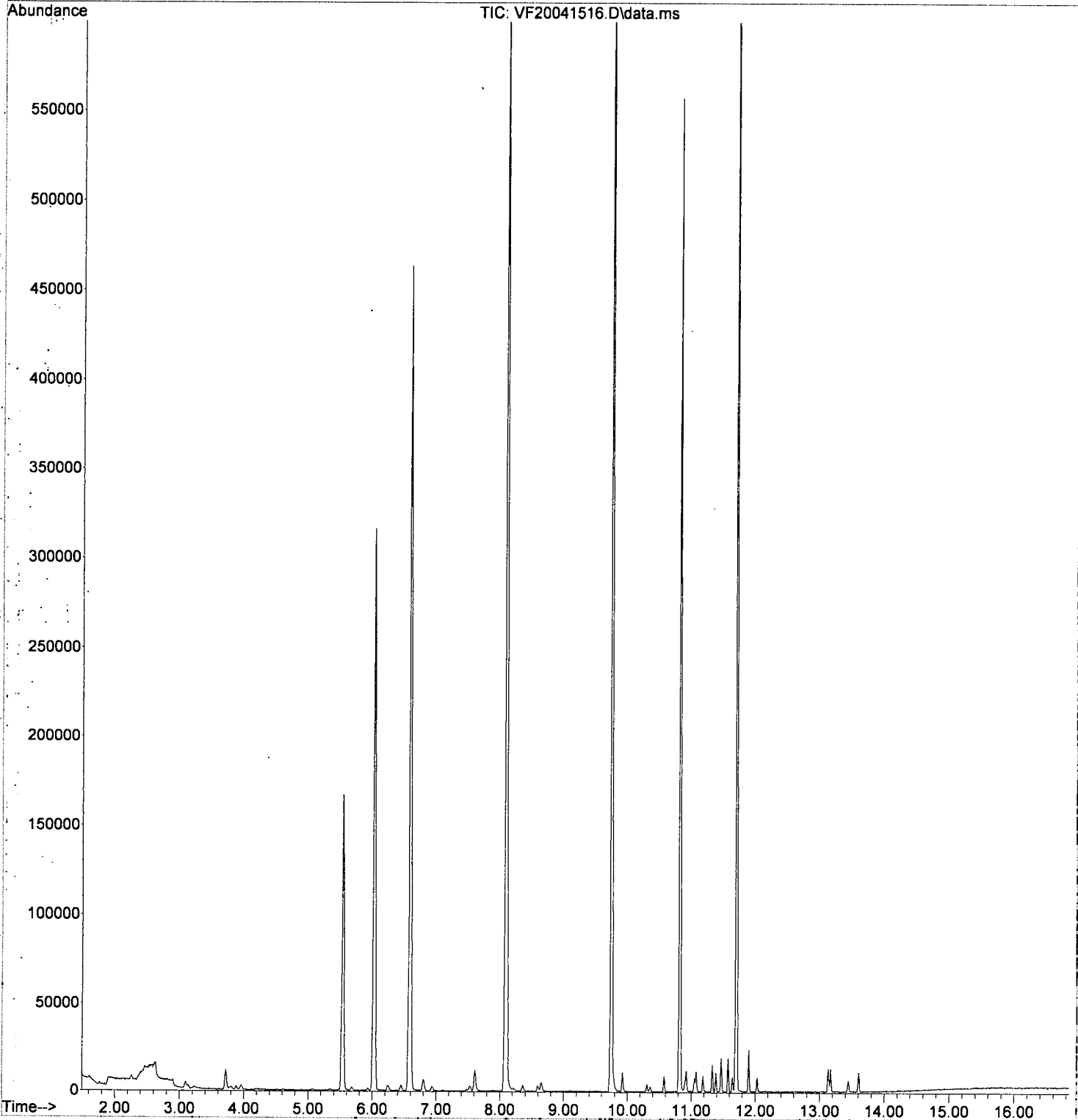
Quant Time: Apr 17 13:36:36 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
74) 1,2,4-Trimethylbenzene	11.385	105	5280	0.66	ug/L	92
75) sec-Butylbenzene	11.470	105	11921	1.29	ug/L	98
76) 4-Isopropyltoluene	11.574	119	9382	1.25	ug/L	93
77) 1,3-Dichlorobenzene	11.647	146	3180	0.72	ug/L	96
78) 1,4-Dichlorobenzene	11.714	146	3439	0.73	ug/L	92
79) n-Butylbenzene	11.896	91	10555	1.59	ug/L	96
80) 1,2-Dichlorobenzene	12.030	146	2790	0.66	ug/L	98
82) Hexachlorobutadiene	13.137	223	1543	2.96	ug/L	93
83) 1,2,4-Trichlorobenzene	13.167	180	3638	1.72	ug/L	99
84) Naphthalene	13.441	128	4790	0.60	ug/L	92
85) 1,2,3-Trichlorobenzene	13.605	180	3563	1.71	ug/L	98

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041516.D
Acq On : 16 Apr 2020 1:46 am
Operator : tb
Sample : 0D15055-IBL4
Misc : 1X 5mL DI+MeOH
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:36 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041517.D
 Acq On : 16 Apr 2020 2:13 am
 Operator : tb
 Sample : 0D15055-CALB
 Misc : 1X 200ppb 5mL DI+MeOH
 ALS Vial : 17 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/16/20

Quant Time: Apr 16 12:53:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.023	99	133276	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.746	117	366335	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	169322	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.537	111	124981	54.14	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.583	114	418222	50.75	ug/L	0.00	
45) Toluene-d8 (S)	8.092	98	491658	44.61	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	129349	50.13	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.607	85	580800	231.31	ug/L		Qvalue
3) Chloromethane	1.819	50	663330	174.99	ug/L		99
4) Vinyl Chloride	1.899	62	868843	216.31	ug/L		96
5) Bromomethane	2.264	96	454820	183.42	ug/L		97
6) Chloroethane	2.391	64	134802	218.31	ug/L		96
7) Trichlorofluoromethane	2.519	101	131628	197.66	ug/L		98
8) Ethanol	0.000		0	N.D.	d		
9) 1,1-Dichloroethene	3.079	61	928250	199.80	ug/L		79
10) Carbon Disulfide	3.097	76	1392560	222.11	ug/L		99
11) Freon 113	3.127	101	497437	198.64	ug/L		81
12) Iodomethane	3.231	142	329974	389.63	ug/L		92
13) Methylene Chloride	3.718	84	532016	174.74	ug/L		89
14) Acetone	3.797	43	608139	354.80	ug/L		98
15) t-1,2-Dichloroethene	3.882	61	918125	203.48	ug/L		96
16) n-Hexane	3.961	86	106645	204.88	ug/L	#	87
17) Methyl-tert-butyl-ether	4.016	73	2242727	211.97	ug/L		97
18) tert-Butanol (TBA)	0.000		0	N.D.	d		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.	d		
20) 1,1-Dichloroethane	4.514	63	1138616	192.03	ug/L		98
21) Acrylonitrile	4.575	53	388197	198.04	ug/L		99
22) Ethyl-tert-butyl ether...	0.000		0	N.D.	d		
23) c-1,2-Dichloroethene	5.068	61	925025	203.95	ug/L		92
24) 2,2-Dichloropropane	5.172	77	734957	216.26	ug/L		98
25) Bromochloromethane	5.269	49	579244	190.86	ug/L		86
26) Chloroform	5.348	83	1069854	210.89	ug/L		96
27) Carbon Tetrachloride	5.476	117	570591	323.18	ug/L		96
28) Tetrahydrofuran	5.518	42	404523	198.15	ug/L		95
29) 1,1,1-Trichloroethane	5.549	97	908550	243.40	ug/L		96
31) 1,1-Dichloropropene	5.676	75	893851	212.21	ug/L		97
32) 2-Butanone (MEK)	5.670	43	1102903	418.02	ug/L		99
33) Benzene	5.932	78	2715340	204.34	ug/L		98
34) tert-Amyl methyl ether...	0.000		0	N.D.	d		
35) 1,2-Dichloroethane (EDC)	6.145	62	953731	202.24	ug/L		98
36) iso-Butyl Alcohol	6.218	43	1257409	6207.77	ug/L		92
38) Trichloroethene (TCE)	6.546	130	699032	224.84	ug/L		92
39) tert-Amyl ethyl ether ...	0.000		0	N.D.	d		
40) Dibromomethane	7.003	93	412198	222.53	ug/L		87
41) 1,2-Dichloropropane	7.106	63	726441	211.01	ug/L		95
42) Bromodichloromethane	7.185	83	745825	316.24	ug/L		99
44) c-1,3-Dichloropropene	7.885	75	1036108	233.56	ug/L		92
46) Toluene	8.146	91	2734253	187.24	ug/L		99
47) Tetrachloroethene (PCE)	8.596	166	604238	196.25	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.596	43	2129713	418.92	ug/L		96

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041517.D
 Acq On : 16 Apr 2020 2:13 am
 Operator : tb
 Sample : 0D15055-CALB
 Misc : 1X 200ppb 5mL DI+MeOH
 ALS Vial : 17 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

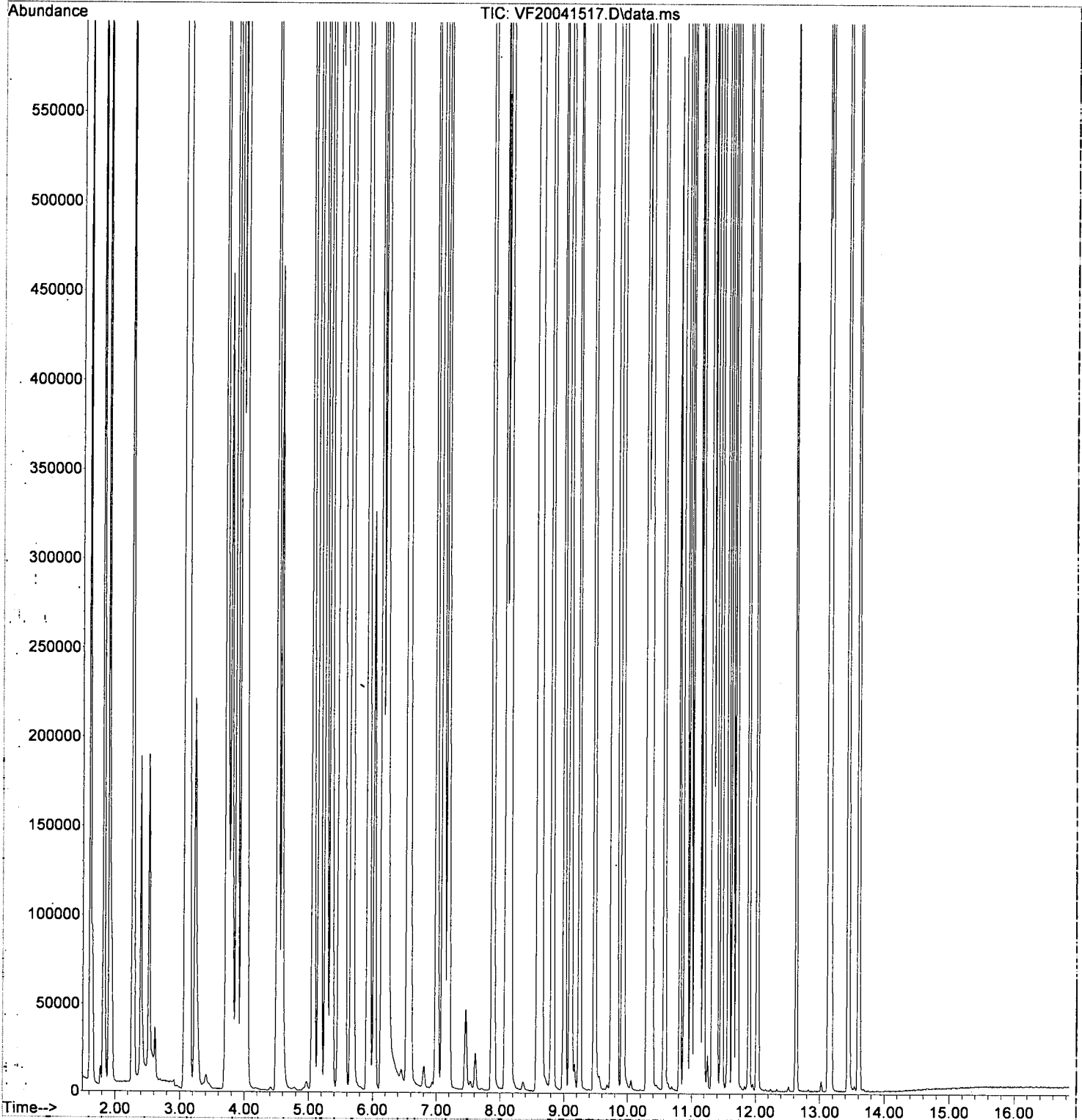
Quant Time: Apr 16 12:53:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.639	75	1021746	247.65	ug/L	95
50) 1,1,2-Trichloroethane	8.816	97	633354	207.61	ug/L	95
51) Dibromochloromethane	9.004	129	513006	412.65	ug/L	97
52) 1,3-Dichloropropane	9.101	76	1178665	199.35	ug/L	92
53) 1,2-Dibromoethane (EDB)	9.241	107	649630	217.70	ug/L	99
54) 2-Hexanone	9.479	43	1400467	390.75	ug/L	96
55) Chlorobenzene	9.758	112	1681769	205.93	ug/L	95
56) Ethylbenzene	9.783	91	2912507	205.62	ug/L	98
57) 1,1,1,2-Tetrachloroethane	9.819	131	533250	347.82	ug/L	98
58) m,p-Xylenes (2)	9.923	91	4533534	425.90	ug/L	99
59) o-Xylene	10.306	91	2193198	211.18	ug/L	99
60) Styrene	10.355	104	1724960	229.80	ug/L	95
61) Bromoform	10.379	173	324919	537.31	ug/L	98
62) Isopropylbenzene	10.574	105	2466754	208.74	ug/L	99
65) Bromobenzene	10.902	156	622580	216.04	ug/L	89
66) n-Propylbenzene	10.920	91	2790782	212.42	ug/L	98
67) 1,1,2,2-Tetrachloroethane	10.987	83	651972	202.89	ug/L	98
68) 2-Chlorotoluene	11.048	126	559733	218.07	ug/L #	80
69) 1,3,5-Trimethylbenzene	11.079	105	1965733	217.22	ug/L	97
70) 1,2,3-Trichloropropane	11.091	110	261135	203.85	ug/L #	71
71) t-1,4-Dichloro-2-butene	11.127	88	100806	358.62	ug/L #	86
72) 4-Chlorotoluene	11.182	91	1714507	211.98	ug/L	97
73) tert-Butylbenzene	11.328	91	1048515	213.87	ug/L	89
74) 1,2,4-Trimethylbenzene	11.383	105	1926855	213.70	ug/L	98
75) sec-Butylbenzene	11.468	105	2180599	212.75	ug/L	98
76) 4-Isopropyltoluene	11.577	119	1842894	217.69	ug/L	98
77) 1,3-Dichlorobenzene	11.644	146	988841	205.98	ug/L	98
78) 1,4-Dichlorobenzene	11.711	146	1000906	200.69	ug/L	97
79) n-Butylbenzene	11.894	91	1556404	210.18	ug/L	96
80) 1,2-Dichlorobenzene	12.028	146	902610	196.28	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.630	157	152265	343.60	ug/L	74
82) Hexachlorobutadiene	13.135	223	115332	187.69	ug/L	98
83) 1,2,4-Trichlorobenzene	13.165	180	506108	195.58	ug/L	97
84) Naphthalene	13.439	128	1927869	205.81	ug/L	99
85) 1,2,3-Trichlorobenzene	13.603	180	478749	189.38	ug/L	97

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041517.D
Acq On : 16 Apr 2020 2:13 am
Operator : tb
Sample : 0D15055-CALB
Misc : 1X 200ppb 5mL DI+MeOH
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:53:47 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041517.D
 Acq-On : 16 Apr 2020 2:13 am
 Operator : tb
 Sample : 0D15055-CALB
 Misc : 1X 200ppb 5mL DI+MeOH
 ALS Vial : 17 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

pre
4/16/20

Quant Time: Apr 16 12:32:55 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.023	99	133276	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.746	117	366335	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.699	152	169322	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.537	111	124981	54.14	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.583	114	418222	50.75	ug/L	0.00	
45) Toluene-d8 (S)	8.092	98	491658	44.61	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.817	174	129349	50.13	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.607	85	580800	231.31	ug/L		98
3) Chloromethane	1.819	50	663330	174.99	ug/L		99
4) Vinyl Chloride	1.899	62	868843	216.31	ug/L		96
5) Bromomethane	2.264	96	454820	183.42	ug/L		97
6) Chloroethane	2.391	64	134802	218.31	ug/L		96
7) Trichlorofluoromethane	2.519	101	131628	197.66	ug/L		98
8) Ethanol	3.219	45	1478	23.00	ug/L		86
9) 1,1-Dichloroethene	3.079	61	928250	199.80	ug/L		79
10) Carbon Disulfide	3.097	76	1392560	222.11	ug/L		99
11) Freon 113	3.127	101	497437	198.64	ug/L		81
12) Iodomethane	3.231	142	329974	389.63	ug/L		92
13) Methylene Chloride	3.718	84	532016	174.74	ug/L		89
14) Acetone	3.797	43	608139	354.80	ug/L		98
15) t-1,2-Dichloroethene	3.882	61	918125	203.48	ug/L		96
16) n-Hexane	3.961	86	106645	204.88	ug/L	#	87
17) Methyl-tert-butyl-ether	4.016	73	2242727	211.97	ug/L		97
18) tert-Butanol (TBA)	4.180	59	1210	2.02	ug/L	#	34
19) Diisopropyl ether (DIPE)	4.411	45	1777	0.15	ug/L		85
20) 1,1-Dichloroethane	4.514	63	1138616	192.03	ug/L		98
21) Acrylonitrile	4.575	53	388197	198.04	ug/L		99
22) Ethyl-tert-butyl ether...	4.770	59	1359	0.13	ug/L		94
23) c-1,2-Dichloroethene	5.068	61	925025	208.95	ug/L		92
24) 2,2-Dichloropropane	5.172	77	734957	216.26	ug/L		98
25) Bromochloromethane	5.269	49	579244	190.86	ug/L		86
26) Chloroform	5.348	83	1069854	210.89	ug/L		96
27) Carbon Tetrachloride	5.476	117	570591	328.18	ug/L		96
28) Tetrahydrofuran	5.518	42	404523	198.15	ug/L		95
29) 1,1,1-Trichloroethane	5.549	97	908550	243.40	ug/L		96
31) 1,1-Dichloropropene	5.676	75	893851	212.21	ug/L		97
32) 2-Butanone (MEK)	5.670	43	1102903	418.02	ug/L		99
33) Benzene	5.932	78	2715340	204.34	ug/L		98
34) tert-Amyl methyl ether...	6.066	73	1360	0.14	ug/L		87
35) 1,2-Dichloroethane (EDC)	6.145	62	953731	202.24	ug/L		98
36) iso-Butyl Alcohol	6.218	43	1257409	6207.77	ug/L		92
38) Trichloroethene (TCE)	6.546	130	699032	224.84	ug/L		92
39) tert-Amyl ethyl ether ...	6.808	59	3142	0.39	ug/L		79
40) Dibromomethane	7.003	93	412198	222.53	ug/L		87
41) 1,2-Dichloropropane	7.106	63	726441	211.01	ug/L		95
42) Bromodichloromethane	7.185	83	745825	316.24	ug/L		99
44) c-1,3-Dichloropropene	7.885	75	1036108	233.56	ug/L		92
46) Toluene	8.146	91	2734253	187.24	ug/L		99
47) Tetrachloroethene (PCE)	8.596	166	604238	196.25	ug/L		92
48) 4-Methyl-2-Pentanone (...)	8.596	43	2129713	418.92	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041517.D
 Acq'On : 16 Apr 2020 2:13 am
 Operator : tb
 Sample : 0D15055-CALB
 Misc : 1X 200ppb 5mL DI+MeOH
 ALS Vial : 17 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

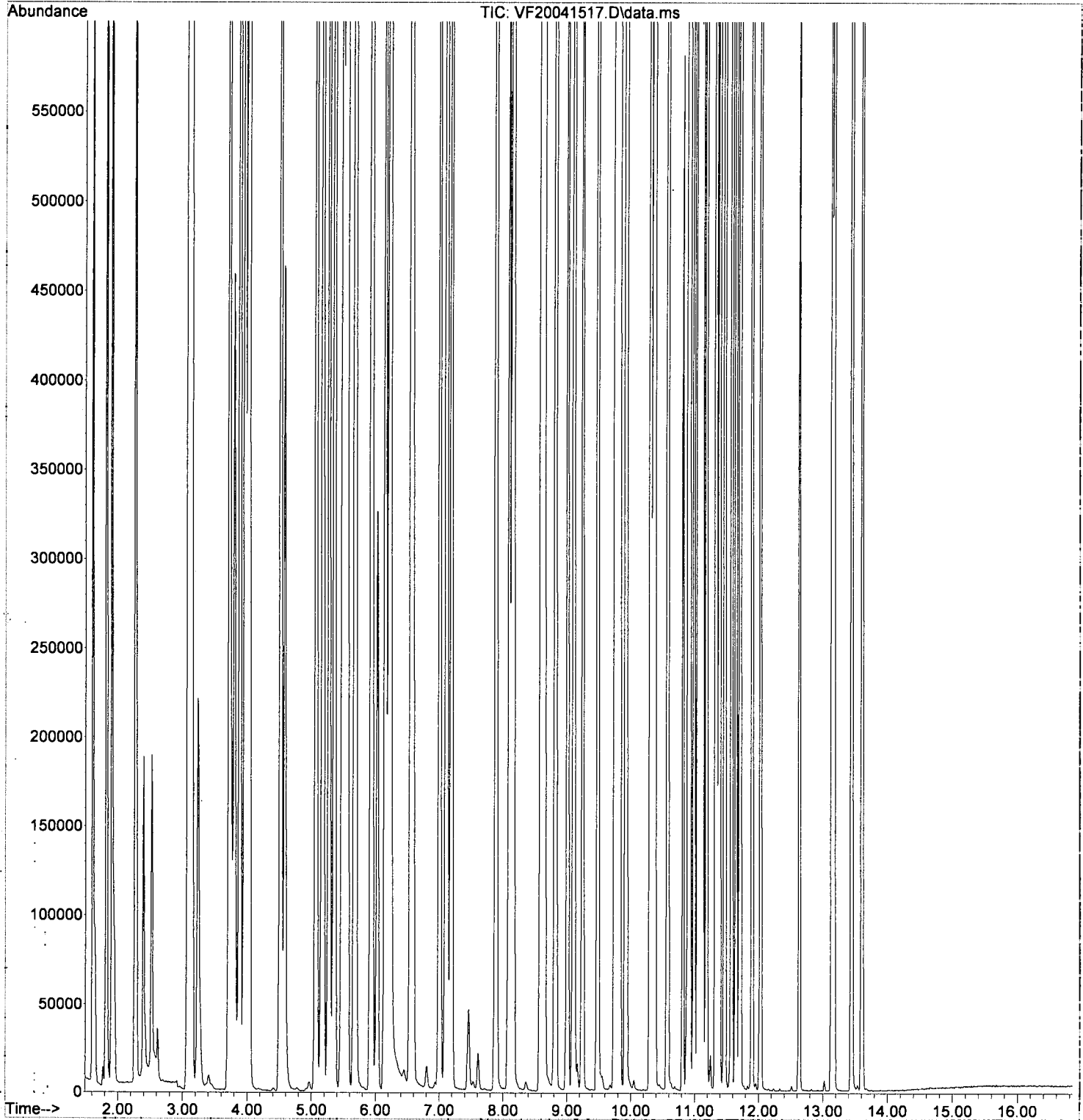
Quant Time: Apr 16 12:32:55 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 12:30:50 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.639	75	1021746	247.65	ug/L	95
50) 1,1,2-Trichloroethane	8.816	97	633354	207.61	ug/L	95
51) Dibromochloromethane	9.004	129	513006	412.65	ug/L	97
52) 1,3-Dichloropropane	9.101	76	1178665	199.35	ug/L	92
53) 1,2-Dibromoethane (EDB)	9.241	107	649630	217.70	ug/L	99
54) 2-Hexanone	9.479	43	1400467	390.75	ug/L	96
55) Chlorobenzene	9.758	112	1681769	205.93	ug/L	95
56) Ethylbenzene	9.783	91	2912507	205.62	ug/L	98
57) 1,1,1,2-Tetrachloroethane	9.819	131	533250	347.82	ug/L	98
58) m,p-Xylenes (2)	9.923	91	4533534	426.90	ug/L	99
59) o-Xylene	10.306	91	2193198	211.18	ug/L	99
60) Styrene	10.355	104	1724960	229.80	ug/L	95
61) Bromoform	10.379	173	324919	537.31	ug/L	98
62) Isopropylbenzene	10.574	105	2466754	208.74	ug/L	99
65) Bromobenzene	10.902	156	622580	216.04	ug/L	89
66) n-Propylbenzene	10.920	91	2790782	212.42	ug/L	98
67) 1,1,2,2-Tetrachloroethane	10.987	83	651972	202.89	ug/L	98
68) 2-Chlorotoluene	11.048	126	559733	218.07	ug/L #	80
69) 1,3,5-Trimethylbenzene	11.079	105	1965733	217.22	ug/L	97
70) 1,2,3-Trichloropropane	11.091	110	261135	203.85	ug/L #	71
71) t-1,4-Dichloro-2-butene	11.127	88	100806	358.62	ug/L #	86
72) 4-Chlorotoluene	11.182	91	1714507	211.98	ug/L	97
73) tert-Butylbenzene	11.328	91	1048515	213.87	ug/L	89
74) 1,2,4-Trimethylbenzene	11.383	105	1926855	213.70	ug/L	98
75) sec-Butylbenzene	11.468	105	2180599	212.75	ug/L	98
76) 4-Isopropyltoluene	11.577	119	1842894	217.69	ug/L	98
77) 1,3-Dichlorobenzene	11.644	146	988841	205.98	ug/L	98
78) 1,4-Dichlorobenzene	11.711	146	1000906	200.69	ug/L	97
79) n-Butylbenzene	11.894	91	1556404	210.18	ug/L	96
80) 1,2-Dichlorobenzene	12.028	146	902610	196.28	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.630	157	152265	343.60	ug/L	74
82) Hexachlorobutadiene	13.135	223	115332	187.69	ug/L	98
83) 1,2,4-Trichlorobenzene	13.165	180	506108	195.58	ug/L	97
84) Naphthalene	13.439	128	1927869	205.81	ug/L	99
85) 1,2,3-Trichlorobenzene	13.603	180	478749	189.38	ug/L	97

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041517.D
Acq On : 16 Apr 2020 2:13 am
Operator : tb
Sample : 0D15055-CALB
Misc : 1X 200ppb 5mL DI+MeOH
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 16 12:32:55 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 12:30:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041518.D
 Acq On : 16 Apr 2020 2:40 am
 Operator : tb
 Sample : 0D15055-IBL5
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 18 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

MR

Quant Time: Apr 17 13:36:38 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	Qvalue
Internal Standards							
1) Pentafluorobenzene (I)	6.026	99	136101	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.743	117	354290	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.702	152	163866	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	114552	49.72	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.586	114	414456	49.13	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	501633	49.89	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.814	174	132073	50.94	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.603	85	1886	0.71	ug/L		93
3) Chloromethane	1.810	50	1168	0.29	ug/L		87
4) Vinyl Chloride	1.902	62	992	0.24	ug/L		93
5) Bromomethane	2.260	96	2187	0.84	ug/L		95
6) Chloroethane	2.400	64	217	0.33	ug/L	#	1
7) Trichlorofluoromethane	2.528	101	336	0.52	ug/L		82
8) Ethanol	3.240	45	862	13.70	ug/L	#	29
9) 1,1-Dichloroethene	3.088	61	1348	0.29	ug/L		82
10) Carbon Disulfide	3.100	76	7643	1.21	ug/L		95
11) Freon 113	3.136	101	2262	0.94	ug/L	#	73
12) Iodomethane	3.240	142	815	3.27	ug/L	#	80
13) Methylene Chloride	3.720	84	4921	1.62	ug/L		81
14) Acetone	3.806	43	1348	0.82	ug/L		92
15) t-1,2-Dichloroethene	3.885	61	2314	0.51	ug/L		92
16) n-Hexane	3.964	86	404	0.79	ug/L		99
21) Acrylonitrile	4.603	53	176	0.10	ug/L	#	1
23) c-1,2-Dichloroethene	5.071	61	1015	0.22	ug/L		87
25) Bromochloromethane	5.272	49	386	0.13	ug/L		76
26) Chloroform	5.351	83	798	0.15	ug/L		94
27) Carbon Tetrachloride	5.479	117	723	0.62	ug/L		81
28) Tetrahydrofuran	5.527	42	778	0.37	ug/L		97
29) 1,1,1-Trichloroethane	5.552	97	709	0.19	ug/L		90
31) 1,1-Dichloropropene	5.679	75	2350	0.56	ug/L		95
32) 2-Butanone (MEK)	5.685	43	735	0.28	ug/L		60
33) Benzene	5.935	78	2641	0.19	ug/L		90
35) 1,2-Dichloroethane (EDC)	6.148	62	952	0.20	ug/L		93
36) iso-Butyl Alcohol	6.245	43	1851	8.50	ug/L		91
38) Trichloroethene (TCE)	6.555	130	1648	0.52	ug/L		88
39) tert-Amyl ethyl ether ...	6.805	59	1682	0.19	ug/L	#	66
40) Dibromomethane	7.006	93	410	0.23	ug/L	#	69
42) Bromodichloromethane	7.182	83	244	0.21	ug/L		93
44) c-1,3-Dichloropropene	7.882	75	655	0.23	ug/L		78
46) Toluene	8.155	91	4692	0.34	ug/L		96
47) Tetrachloroethene (PCE)	8.599	166	2535	0.93	ug/L		88
49) t-1,3-Dichloropropene	8.648	75	663	0.34	ug/L		68
52) 1,3-Dichloropropane	9.110	76	499	0.09	ug/L	#	34
53) 1,2-Dibromoethane (EDB)	9.256	107	327	0.12	ug/L		75
55) Chlorobenzene	9.761	112	4049	0.50	ug/L		75
56) Ethylbenzene	9.786	91	8190	0.61	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.822	131	447	0.54	ug/L		81
58) m,p-Xylenes (2)	9.920	91	12903	1.31	ug/L		93
59) o-Xylene	10.309	91	5417	0.56	ug/L		97
60) Styrene	10.358	104	3269	0.53	ug/L		92

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041518.D
 Acq On : 16 Apr 2020 2:40 am
 Operator : tb
 Sample : 0D15055-IBL5
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 18 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:38 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

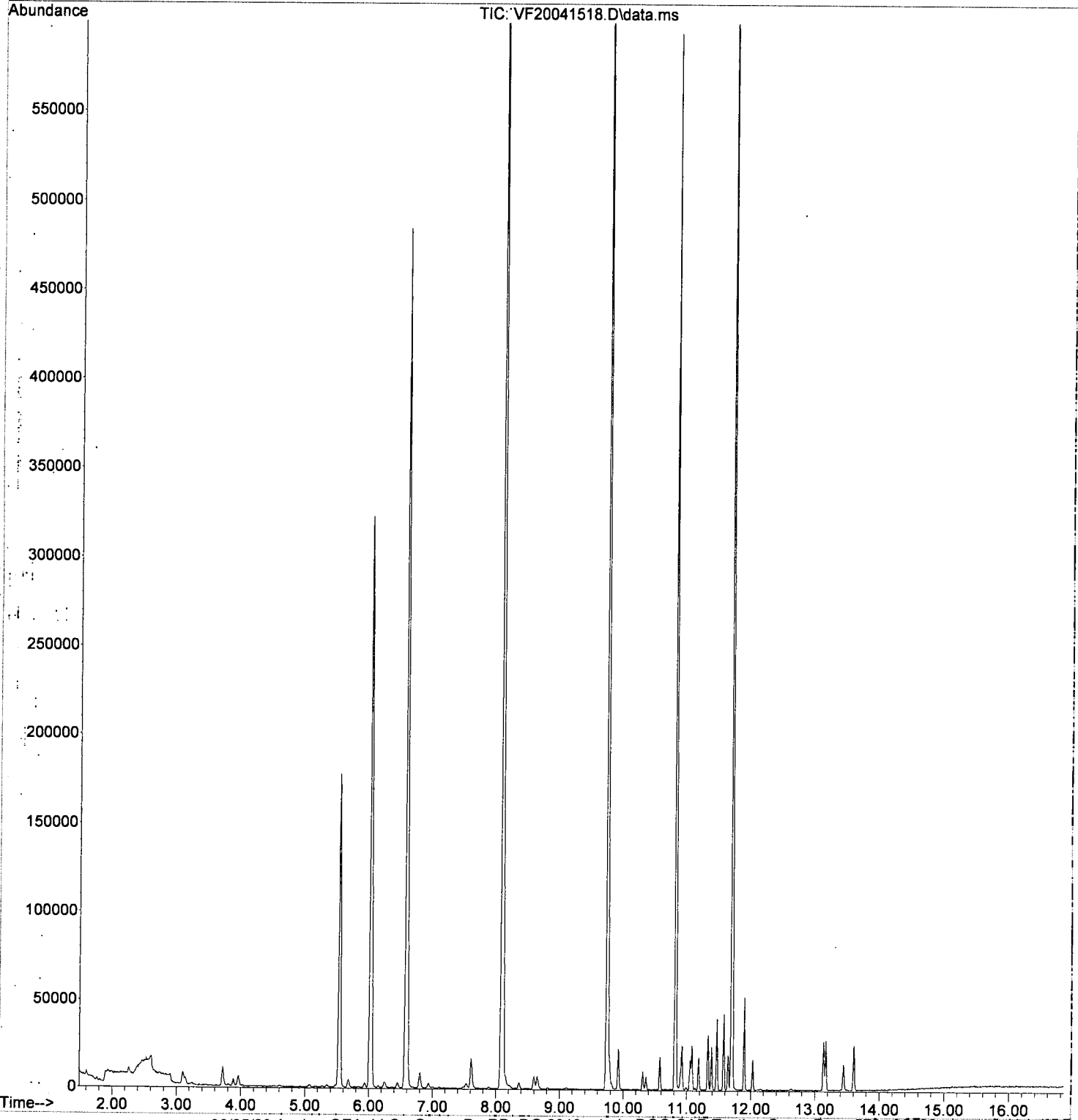
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Isopropylbenzene	10.577	105	11128	1.04	ug/L	98
65) Bromobenzene	10.905	156	1890	0.67	ug/L	90
66) n-Propylbenzene	10.923	91	17222	1.39	ug/L	95
67) 1,1,2,2-Tetrachloroethane	10.990	83	735	0.25	ug/L	90
68) 2-Chlorotoluene	11.051	126	2538	1.03	ug/L #	77
69) 1,3,5-Trimethylbenzene	11.075	105	11634	1.37	ug/L	100
72) 4-Chlorotoluene	11.185	91	8703	1.12	ug/L	98
73) tert-Butylbenzene	11.331	91	9178	1.95	ug/L	86
74) 1,2,4-Trimethylbenzene	11.386	105	11169	1.35	ug/L	94
75) sec-Butylbenzene	11.471	105	24762	2.57	ug/L	96
76) 4-Isopropyltoluene	11.574	119	20079	2.57	ug/L	96
77) 1,3-Dichlorobenzene	11.641	146	6725	1.47	ug/L	93
78) 1,4-Dichlorobenzene	11.708	146	7405	1.51	ug/L	89
79) n-Butylbenzene	11.897	91	23279	3.37	ug/L	94
80) 1,2-Dichlorobenzene	12.031	146	5870	1.34	ug/L	98
82) Hexachlorobutadiene	13.132	223	2877	5.32	ug/L	91
83) 1,2,4-Trichlorobenzene	13.168	180	8143	3.70	ug/L	99
84) Naphthalene	13.442	128	10929	1.31	ug/L	99
85) 1,2,3-Trichlorobenzene	13.606	180	7553	3.50	ug/L	91

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041518.D
Acq On : 16 Apr 2020 2:40 am
Operator : tb
Sample : 0D15055-IBL5
Misc : 1X 5mL DI+MeOH
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:38 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041519.D
 Acq On : 16 Apr 2020 3:07 am
 Operator : tb
 Sample : 0D15055-IBL6
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 19 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:40 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.019	99	134948	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.742	117	353348	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.701	152	161796	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.533	111	113532	49.69	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.579	114	413095	49.39	ug/L	0.00
45) Toluene-d8 (S)	8.088	98	497252	49.58	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.813	174	130789	51.09	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.597	85	722	0.27	ug/L	90
3) Chloromethane	1.797	50	869	0.22	ug/L	80
5) Bromomethane	2.254	96	1647	0.64	ug/L	96
8) Ethanol	3.203	45	955	15.31	ug/L	80
9) 1,1-Dichloroethene	3.063	61	479	0.10	ug/L	77
10) Carbon Disulfide	3.087	76	2966	0.47	ug/L	97
11) Freon 113	3.130	101	996	0.42	ug/L	79
12) Iodomethane	3.227	142	572	3.07	ug/L	# 68
13) Methylene Chloride	3.708	84	4230	1.41	ug/L	95
14) Acetone	3.805	43	1329	0.82	ug/L	96
15) t-1,2-Dichloroethene	3.872	61	804	0.18	ug/L	85
16) n-Hexane	3.957	86	222	0.44	ug/L	98
28) Tetrahydrofuran	5.527	42	387	0.19	ug/L	# 58
31) 1,1-Dichloropropene	5.679	75	741	0.18	ug/L	78
32) 2-Butanone (MEK)	5.679	43	332	0.13	ug/L	54
36) iso-Butyl Alcohol	6.238	43	1534	7.11	ug/L	96
38) Trichloroethene (TCE)	6.549	130	588	0.19	ug/L	79
39) tert-Amyl ethyl ether ...	6.798	59	1693	0.20	ug/L	# 71
46) Toluene	8.143	91	1558	0.11	ug/L	87
47) Tetrachloroethene (PCE)	8.599	166	913	0.33	ug/L	94
49) t-1,3-Dichloropropene	8.654	75	190	0.21	ug/L	47
55) Chlorobenzene	9.755	112	1223	0.15	ug/L	# 4
56) Ethylbenzene	9.785	91	2361	0.18	ug/L	90
58) m,p-Xylenes (2)	9.919	91	4068	0.41	ug/L	91
59) o-Xylene	10.308	91	1369	0.14	ug/L	94
60) Styrene	10.363	104	818	0.19	ug/L	98
62) Isopropylbenzene	10.576	105	2974	0.28	ug/L	94
65) Bromobenzene	10.904	156	515	0.18	ug/L	93
66) n-Propylbenzene	10.923	91	5075	0.41	ug/L	92
68) 2-Chlorotoluene	11.050	126	751	0.31	ug/L	84
69) 1,3,5-Trimethylbenzene	11.075	105	3003	0.36	ug/L	94
72) 4-Chlorotoluene	11.184	91	2689	0.35	ug/L	93
73) tert-Butylbenzene	11.330	91	2181	0.47	ug/L	96
74) 1,2,4-Trimethylbenzene	11.385	105	2973	0.36	ug/L	97
75) sec-Butylbenzene	11.464	105	6469	0.68	ug/L	95
76) 4-Isopropyltoluene	11.574	119	5079	0.66	ug/L	97
77) 1,3-Dichlorobenzene	11.647	146	1887	0.42	ug/L	95
78) 1,4-Dichlorobenzene	11.707	146	2393	0.49	ug/L	# 66
79) n-Butylbenzene	11.896	91	6973	1.02	ug/L	97
80) 1,2-Dichlorobenzene	12.030	146	1446	0.33	ug/L	92
82) Hexachlorobutadiene	13.137	223	1388	2.60	ug/L	89
83) 1,2,4-Trichlorobenzene	13.167	180	2236	1.03	ug/L	96
84) Naphthalene	13.447	128	2406	0.29	ug/L	93

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041519.D
 Acq On : 16 Apr 2020 3:07 am
 Operator : tb
 Sample : 0D15055-IBL6
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 19 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

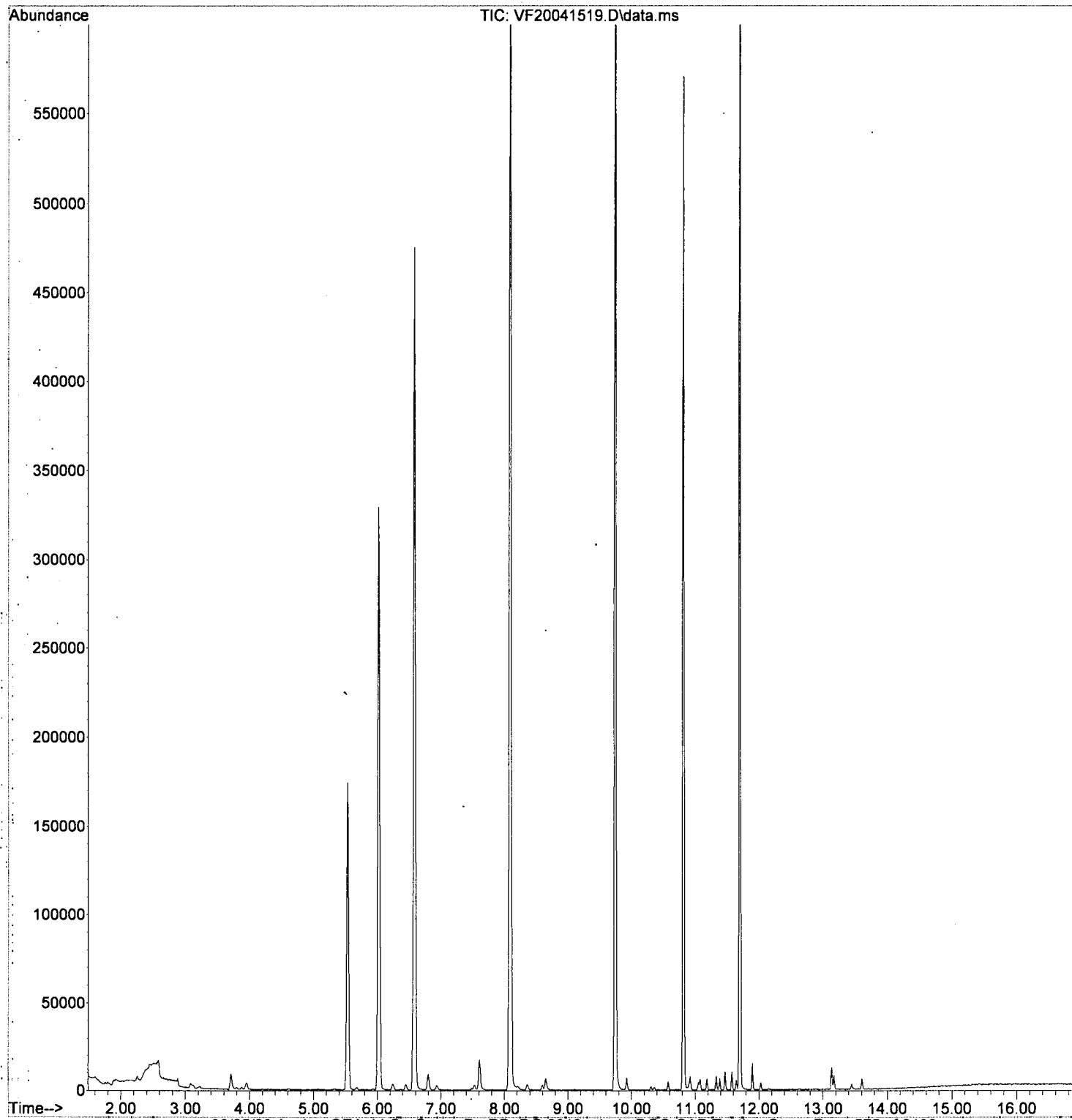
Quant Time: Apr 17 13:36:40 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) 1,2,3-Trichlorobenzene	13.599	180	2053	0.96	µg/L	94

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041519.D
Acq On : 16 Apr 2020 3:07 am
Operator : tb
Sample : 0D15055-IBL6
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:40 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041520.D
 Acq On : 16 Apr 2020 3:34 am
 Operator : tb
 Sample : 0D15055-ICV1
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

Quant Time: Apr 17 13:36:42 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	134783	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.742	117	360598	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.701	152	170964	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	118373	51.88	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.579	114	416386	49.84	ug/L	0.00	
45) Toluene-d8 (S)	8.088	98	504796	49.32	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.819	174	135180	49.97	ug/L	0.00	
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane	1.590	85	53732	20.44	ug/L		98
3) Chloromethane	1.803	50	68888	17.35	ug/L		97
4) Vinyl Chloride	1.889	62	84902	20.51	ug/L		96
5) Bromomethane	2.247	96	53412	20.75	ug/L		97
6) Chloroethane	2.381	64	19331	29.66	ug/L		88
7) Trichlorofluoromethane	2.521	101	17052	26.80	ug/L		99
8) Ethanol	3.263	45	79674	1278.97	ug/L		87
9) 1,1-Dichloroethene	3.069	61	90228	19.40	ug/L		78
10) Carbon Disulfide	3.087	76	122696	19.57	ug/L		97
11) Freon 113	3.123	101	49282	20.64	ug/L		81
12) Iodomethane	3.227	142	17000	16.67	ug/L	#	94
13) Methylene Chloride	3.707	84	59658	19.87	ug/L		81
14) Acetone	3.793	43	54378	33.42	ug/L		96
15) t-1,2-Dichloroethene	3.872	61	88505	19.71	ug/L		94
16) n-Hexane	3.951	86	10246	20.26	ug/L	#	78
17) Methyl-tert-butyl-ether	4.006	73	207621	19.11	ug/L		99
18) tert-Butanol (TBA)	4.182	59	324061	595.75	ug/L	#	92
19) Diisopropyl ether (DIPE)	4.401	45	56290	4.86	ug/L		93
20) 1,1-Dichloroethane	4.504	63	115869	19.92	ug/L		98
21) Acrylonitrile	4.571	53	33732	18.81	ug/L		95
22) Ethyl-tert-butyl ether...	4.772	59	51911	4.91	ug/L		94
23) c-1,2-Dichloroethene	5.058	61	90258	20.00	ug/L		90
24) 2,2-Dichloropropane	5.161	77	66054	19.40	ug/L		94
25) Bromochloromethane	5.259	49	57444	19.46	ug/L		83
26) Chloroform	5.344	83	102754	20.07	ug/L		96
27) Carbon Tetrachloride	5.472	117	45643	26.42	ug/L		95
28) Tetrahydrofuran	5.514	42	34710	16.74	ug/L		93
29) 1,1,1-Trichloroethane	5.545	97	81658	22.38	ug/L		95
31) 1,1-Dichloropropene	5.672	75	83651	20.28	ug/L		97
32) 2-Butanone (MEK)	5.666	43	92142	35.81	ug/L		96
33) Benzene	5.928	78	262324	19.53	ug/L		98
34) tert-Amyl methyl ether...	6.056	73	47399	4.78	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.141	62	91910	19.31	ug/L		99
36) iso-Butyl Alcohol	6.232	43	94134	436.67	ug/L		95
38) Trichloroethene (TCE)	6.542	130	60914	19.45	ug/L		90
39) tert-Amyl ethyl ether ...	6.804	59	40159	4.63	ug/L		88
40) Dibromomethane	6.999	93	36858	20.43	ug/L		86
41) 1,2-Dichloropropane	7.102	63	67669	19.65	ug/L		97
42) Bromodichloromethane	7.181	83	56663	24.50	ug/L		99
44) c-1,3-Dichloropropene	7.881	75	86561	22.42	ug/L		90
46) Toluene	8.148	91	263911	18.94	ug/L		99
47) Tetrachloroethene (PCE)	8.592	166	55496	19.94	ug/L		90
48) 4-Methyl-2-Pentanone (...)	8.592	43	195803	41.32	ug/L		92

MIS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041520.D
 Acq On : 16 Apr 2020 3:34 am
 Operator : tb
 Sample : 0D15055-ICV1
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:42 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

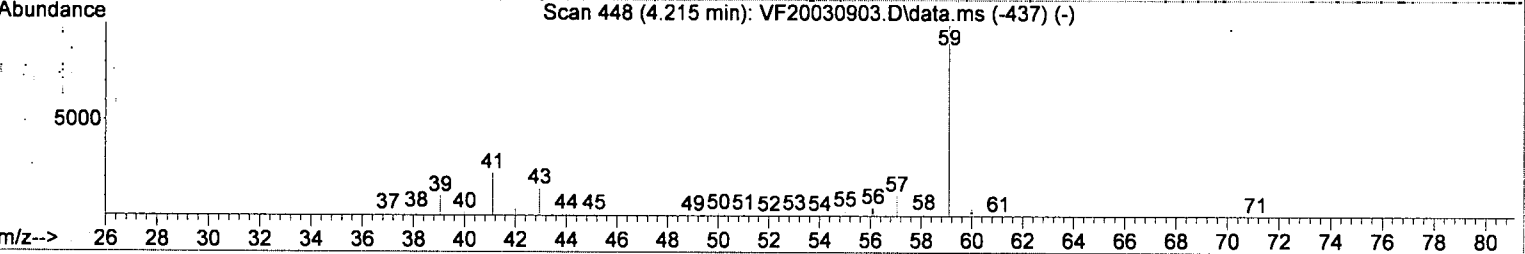
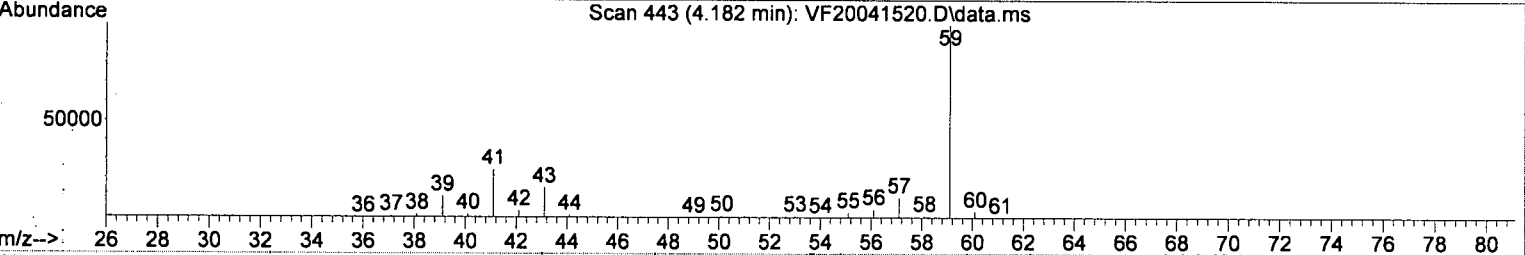
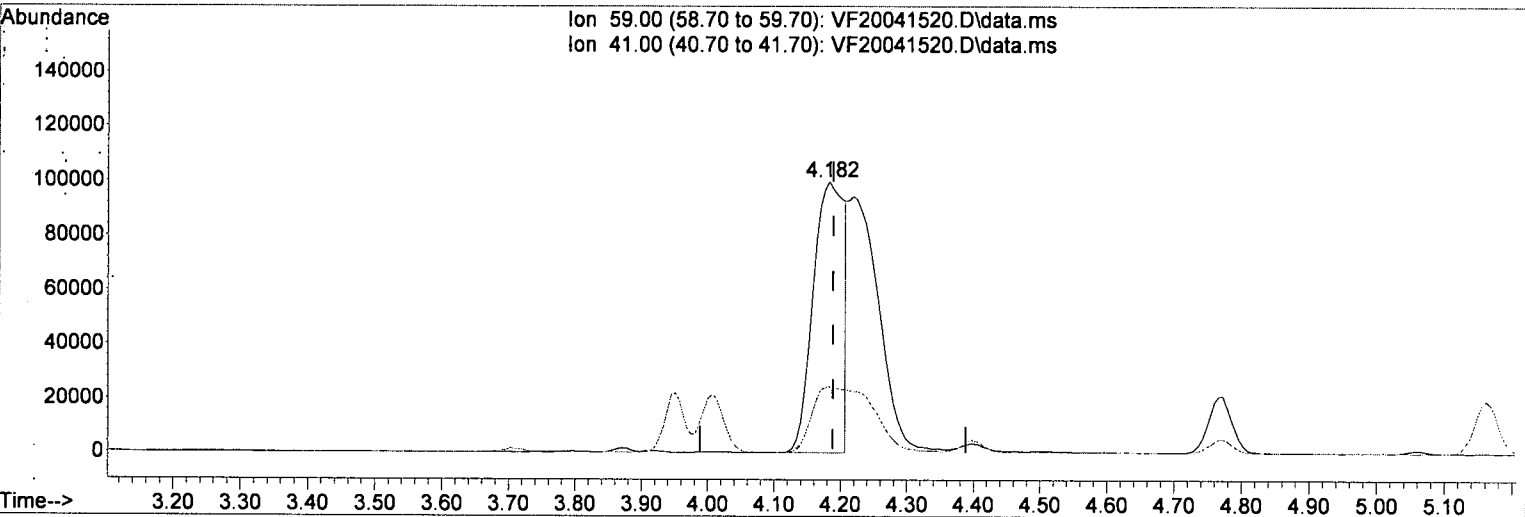
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) t-1,3-Dichloropropene	8.635	75	80640	20.16	ug/L	95
50) 1,1,2-Trichloroethane	8.811	97	57774	20.17	ug/L	92
51) Dibromochloromethane	9.006	129	32001	25.66	ug/L	95
52) 1,3-Dichloropropane	9.103	76	109309	19.43	ug/L	91
53) 1,2-Dibromoethane (EDB)	9.243	107	57403	21.52	ug/L	99
54) 2-Hexanone	9.481	43	125664	41.75	ug/L	94
55) Chlorobenzene	9.754	112	159917	19.50	ug/L	94
56) Ethylbenzene	9.785	91	269543	19.84	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.821	131	38250	22.69	ug/L	99
58) m,p-Xylenes (2)	9.919	91	399588	39.80	ug/L	96
59) o-Xylene	10.302	91	201030	20.35	ug/L	95
60) Styrene	10.351	104	148176	20.00	ug/L	92
61) Bromoform	10.381	173	18304	28.19	ug/L	99
62) Isopropylbenzene	10.576	105	229898	21.11	ug/L	98
65) Bromobenzene	10.898	156	59119	20.02	ug/L #	83
66) n-Propylbenzene	10.916	91	260658	20.10	ug/L	95
67) 1,1,2,2-Tetrachloroethane	10.983	83	72536	23.80	ug/L	96
68) 2-Chlorotoluene	11.050	126	51297	19.91	ug/L #	76
69) 1,3,5-Trimethylbenzene	11.075	105	178565	20.17	ug/L	96
70) 1,2,3-Trichloropropane	11.093	110	26464	21.90	ug/L #	76
71) t-1,4-Dichloro-2-butene	11.123	88	6915	20.94	ug/L #	77
72) 4-Chlorotoluene	11.184	91	162398	19.97	ug/L	97
73) tert-Butylbenzene	11.330	91	99690	20.34	ug/L	92
74) 1,2,4-Trimethylbenzene	11.385	105	180938	20.89	ug/L	99
75) sec-Butylbenzene	11.470	105	206960	20.61	ug/L	98
76) 4-Isopropyltoluene	11.573	119	170837	21.00	ug/L	95
77) 1,3-Dichlorobenzene	11.640	146	96438	20.23	ug/L	96
78) 1,4-Dichlorobenzene	11.713	146	100035	19.55	ug/L	99
79) n-Butylbenzene	11.896	91	149823	20.82	ug/L	96
80) 1,2-Dichlorobenzene	12.030	146	90744	19.79	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.632	157	9464	20.01	ug/L #	55
82) Hexachlorobutadiene	13.137	223	13507	23.92	ug/L	98
83) 1,2,4-Trichlorobenzene	13.167	180	51536	22.45	ug/L	98
84) Naphthalene	13.441	128	169896	19.59	ug/L	100
85) 1,2,3-Trichlorobenzene	13.605	180	47897	21.26	ug/L	97

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041520.D
 Acq On : 16 Apr 2020 3:34 am
 Operator : tb
 Sample : 0D15055-ICV1
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:42 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 Last Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



TIC: VF20041520.D\data.ms

(18) tert-Butanol (TBA)

4.182min (-0.006) 595.75 ug/L

response 324061

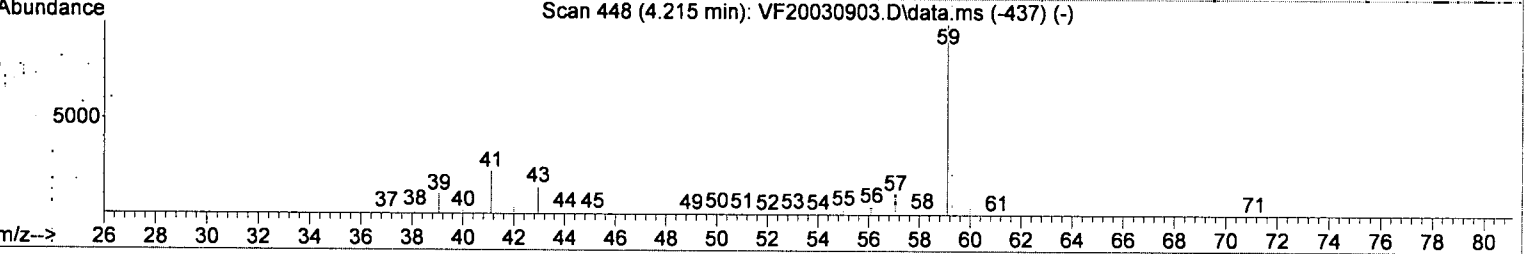
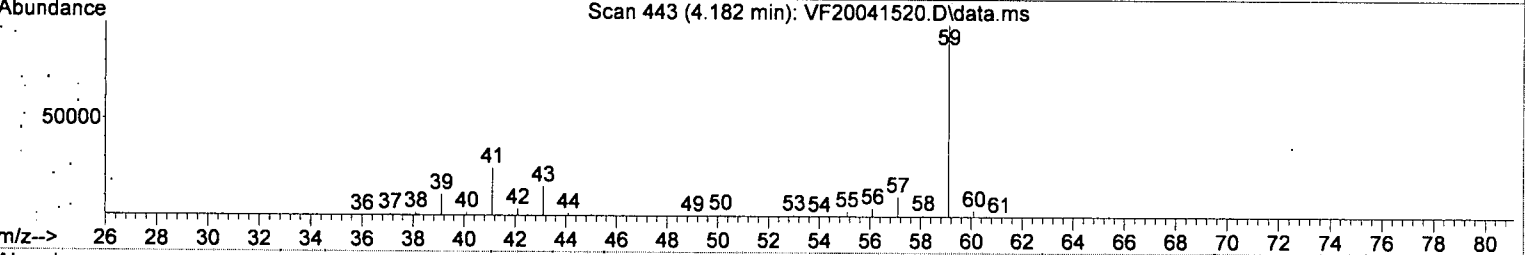
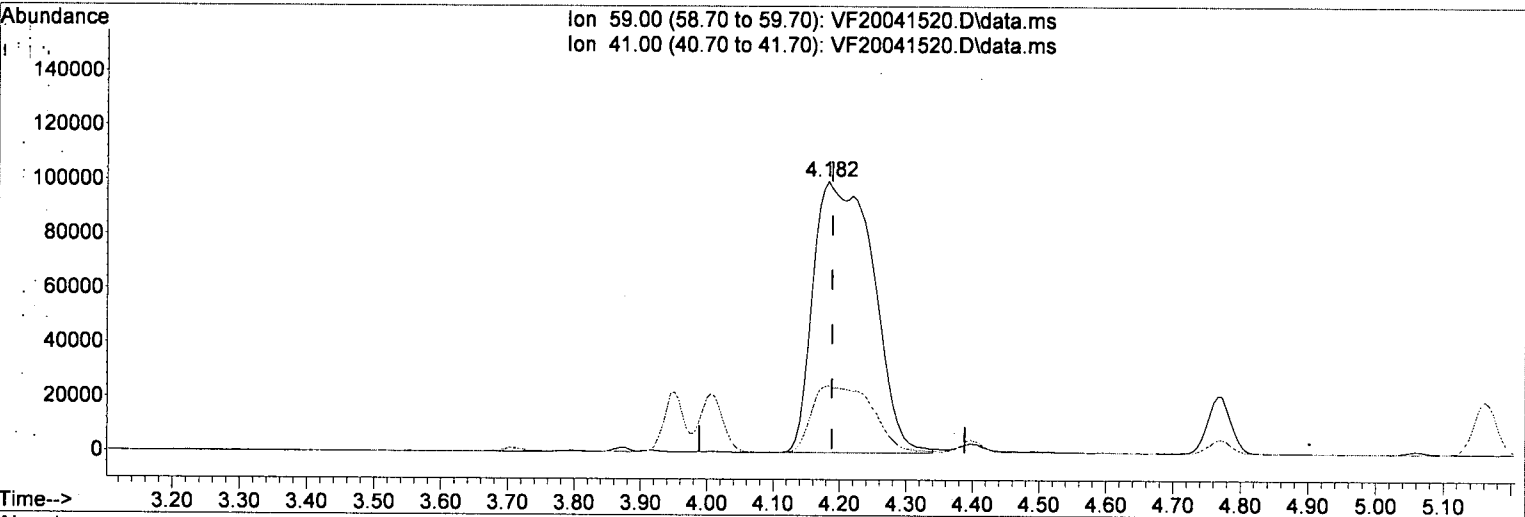
MI

Ion	Exp%	Act%
59.00	100	100
41.00	28.80	24.70#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041520.D
 Acq On : 16 Apr 2020 3:34 am
 Operator : tb
 Sample : 0D15055-ICV1
 Misc : 1X 20ppb 5mL DI+MeOH
 ALS Vial : 20 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:42 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration



TIC: VF20041520.D\data.ms

(18) tert-Butanol (TBA)

4.182min (-0.006) 1152.36 ug/L m

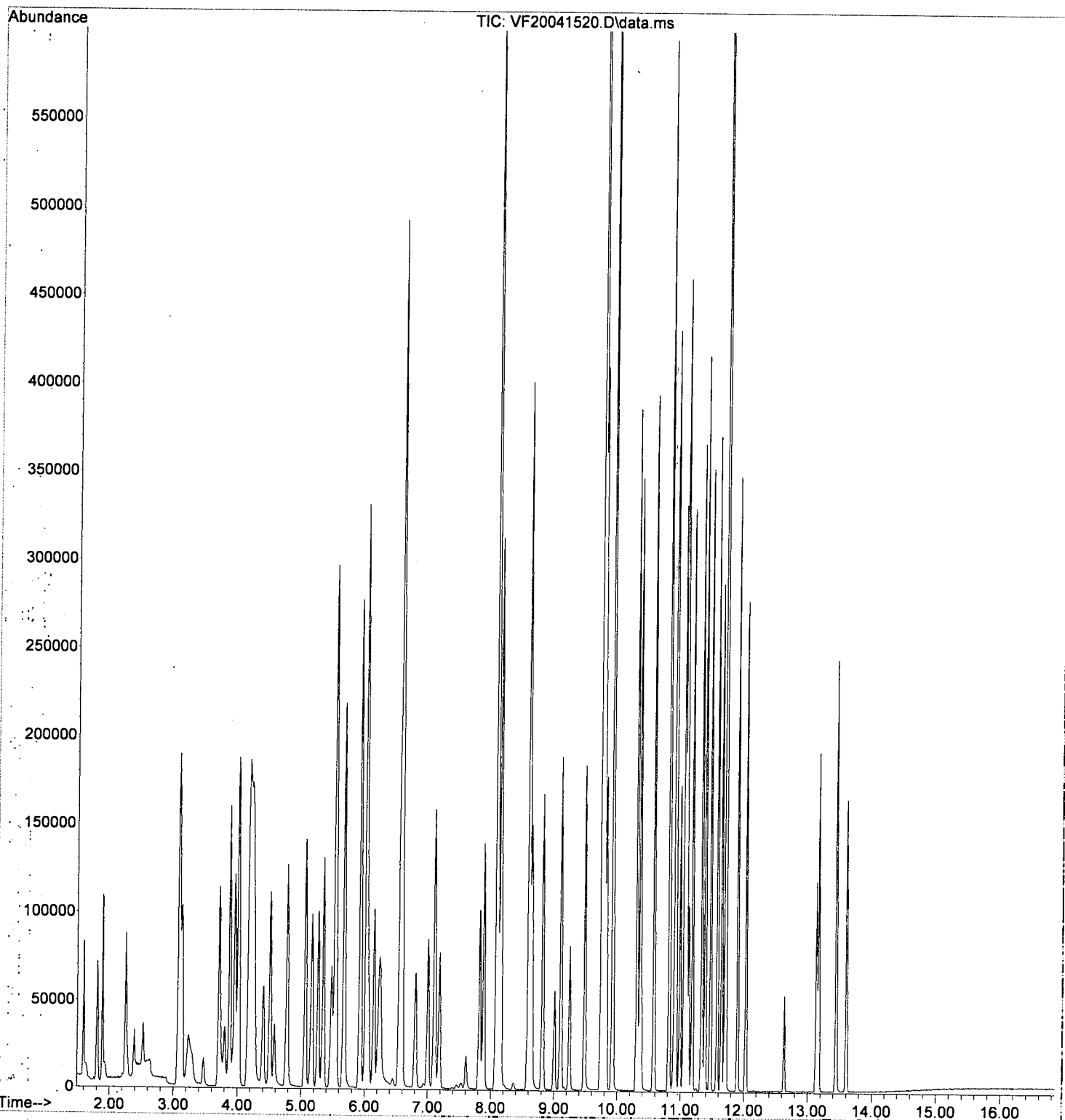
response 626828

Handwritten signature and date: 4/17/20

Ion	Exp%	Act%
59.00	100	100
41.00	28.80	24.70#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041520.D
Acq On : 16 Apr 2020 3:34 am
Operator : tb
Sample : 0D15055-ICV1
Misc : 1X 20ppb 5mL DI+MeOH
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:42 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041521.D
 Acq On : 16 Apr 2020 4:01 am
 Operator : tb
 Sample : 0D15055-IBL7
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 21 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

NR

Quant Time: Apr 17 13:36:44 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415S.M
 Quant Title : EPA 8260: Volatile Organic Compounds
 QLast Update : Thu Apr 16 13:10:17 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	129453	50.00	ug/L	0.00	
43) Chlorobenzene-d5 (I)	9.739	117	342313	50.00	ug/L	0.00	
63) 1,4-Dichlorobenzene-d4...	11.698	152	158579	50.00	ug/L	0.00	
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	106318	48.51	ug/L	0.00	
37) 1,4-Difluorobenzene (S)	6.582	114	399686	49.81	ug/L	0.00	
45) Toluene-d8 (S)	8.091	98	479972	49.40	ug/L	0.00	
64) 4-Bromofluorobenzene (S)	10.816	174	127617	50.86	ug/L	0.00	
Target Compounds							
2) Dichlorodifluoromethane	1.593	85	373	0.15	ug/L		Qvalue 86
3) Chloromethane	1.800	50	572	0.15	ug/L		94
5) Bromomethane	2.244	96	1102	0.45	ug/L		86
7) Trichlorofluoromethane	2.524	101	118	0.19	ug/L #		25
8) Ethanol	3.199	45	198	3.31	ug/L #		29
10) Carbon Disulfide	3.096	76	1888	0.31	ug/L		91
11) Freon 113	3.126	101	610	0.27	ug/L #		54
12) Iodomethane	3.230	142	396	2.93	ug/L #		77
13) Methylene Chloride	3.710	84	4859	1.68	ug/L		78
14) Acetone	3.814	43	2125	1.36	ug/L		86
15) t-1,2-Dichloroethene	3.881	61	454	0.11	ug/L		87
18) tert-Butanol (TBA)	4.191	59	166	0.32	ug/L #		46
28) Tetrahydrofuran	5.536	42	243	0.12	ug/L #		27
31) 1,1-Dichloropropene	5.675	75	482	0.12	ug/L		81
36) iso-Butyl Alcohol	6.253	43	1309	6.32	ug/L		81
38) Trichloroethene (TCE)	6.551	130	272	0.09	ug/L		80
39) tert-Amyl ethyl ether ...	6.795	59	1232	0.15	ug/L #		68
47) Tetrachloroethene (PCE)	8.602	166	620	0.23	ug/L #		64
55) Chlorobenzene	9.757	112	761	0.10	ug/L #		1
56) Ethylbenzene	9.782	91	1604	0.12	ug/L		93
58) m,p-Xylenes (2)	9.922	91	2423	0.25	ug/L		98
59) o-Xylene	10.305	91	989	0.11	ug/L		88
60) Styrene	10.360	104	514	0.15	ug/L		65
62) Isopropylbenzene	10.573	105	1898	0.18	ug/L		87
65) Bromobenzene	10.901	156	332	0.12	ug/L		81
66) n-Propylbenzene	10.919	91	3119	0.26	ug/L		99
68) 2-Chlorotoluene	11.053	126	392	0.16	ug/L		91
69) 1,3,5-Trimethylbenzene	11.078	105	2100	0.26	ug/L		93
72) 4-Chlorotoluene	11.181	91	1707	0.23	ug/L		82
73) tert-Butylbenzene	11.327	91	1542	0.34	ug/L		82
74) 1,2,4-Trimethylbenzene	11.388	105	2001	0.25	ug/L		99
75) sec-Butylbenzene	11.467	105	4018	0.43	ug/L		95
76) 4-Isopropyltoluene	11.576	119	3289	0.44	ug/L		92
77) 1,3-Dichlorobenzene	11.643	146	1255	0.28	ug/L		88
78) 1,4-Dichlorobenzene	11.710	146	1395	0.29	ug/L #		53
79) n-Butylbenzene	11.893	91	4155	0.62	ug/L		92
80) 1,2-Dichlorobenzene	12.033	146	988	0.23	ug/L		85
82) Hexachlorobutadiene	13.128	223	852	1.63	ug/L #		79
83) 1,2,4-Trichlorobenzene	13.170	180	1484	0.70	ug/L		85
84) Naphthalene	13.438	128	1541	0.19	ug/L		80
85) 1,2,3-Trichlorobenzene	13.602	180	1305	0.62	ug/L		95

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041521.D
Acq On : 16 Apr 2020 4:01 am
Operator : tb
Sample : 0D15055-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

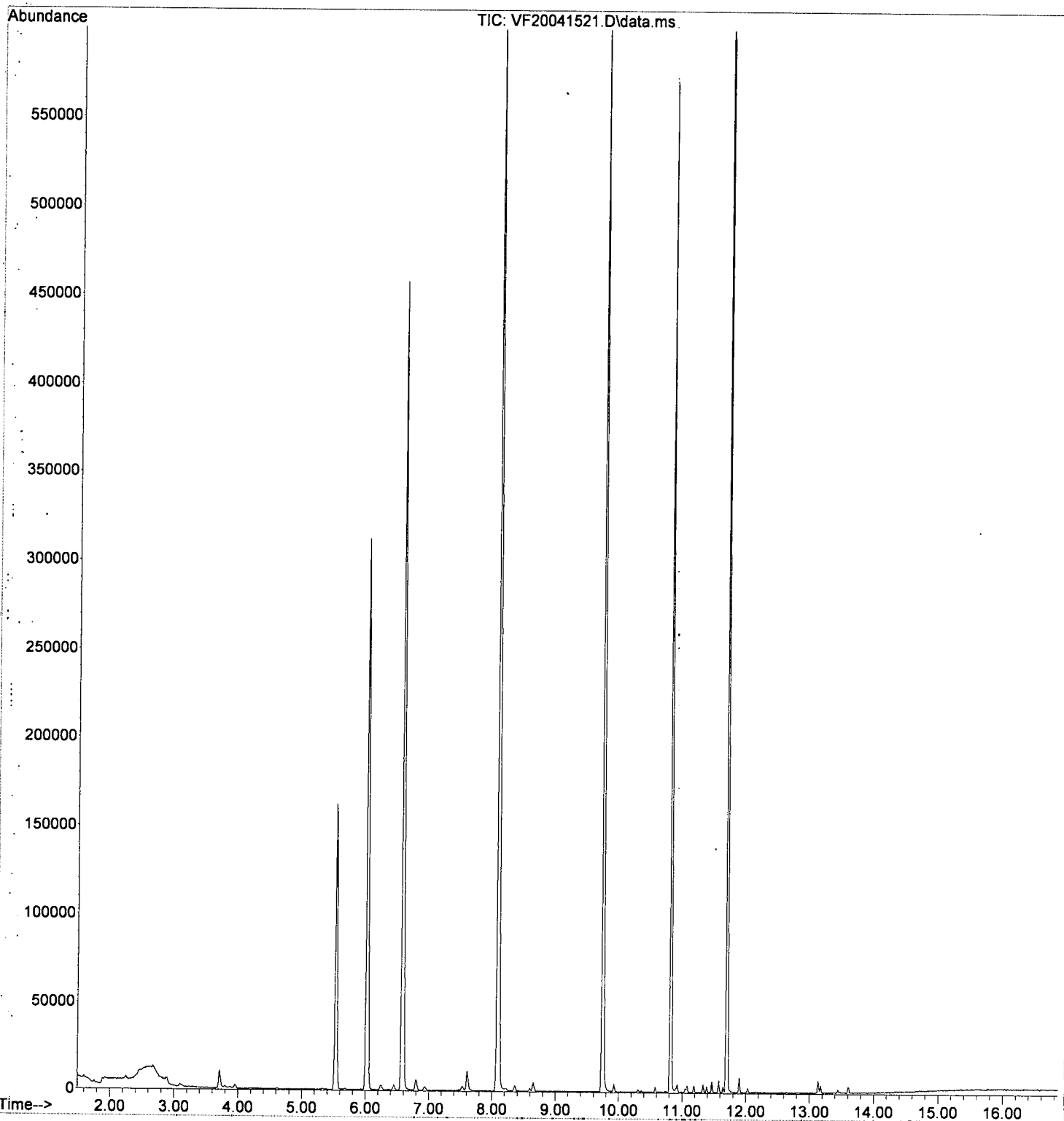
Quant Time: Apr 17 13:36:44 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041521.D
Acq On : 16 Apr 2020 4:01 am
Operator : tb
Sample : 0D15055-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:36:44 2020
Quant Method : C:\msdchem\1\METHODS\VF200415S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Apr 16 13:10:17 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041522.D
 Acq On : 16 Apr 2020 2:42 pm
 Operator : tb
 Sample : 0D15055-IBL8
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 22 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:35 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

NR

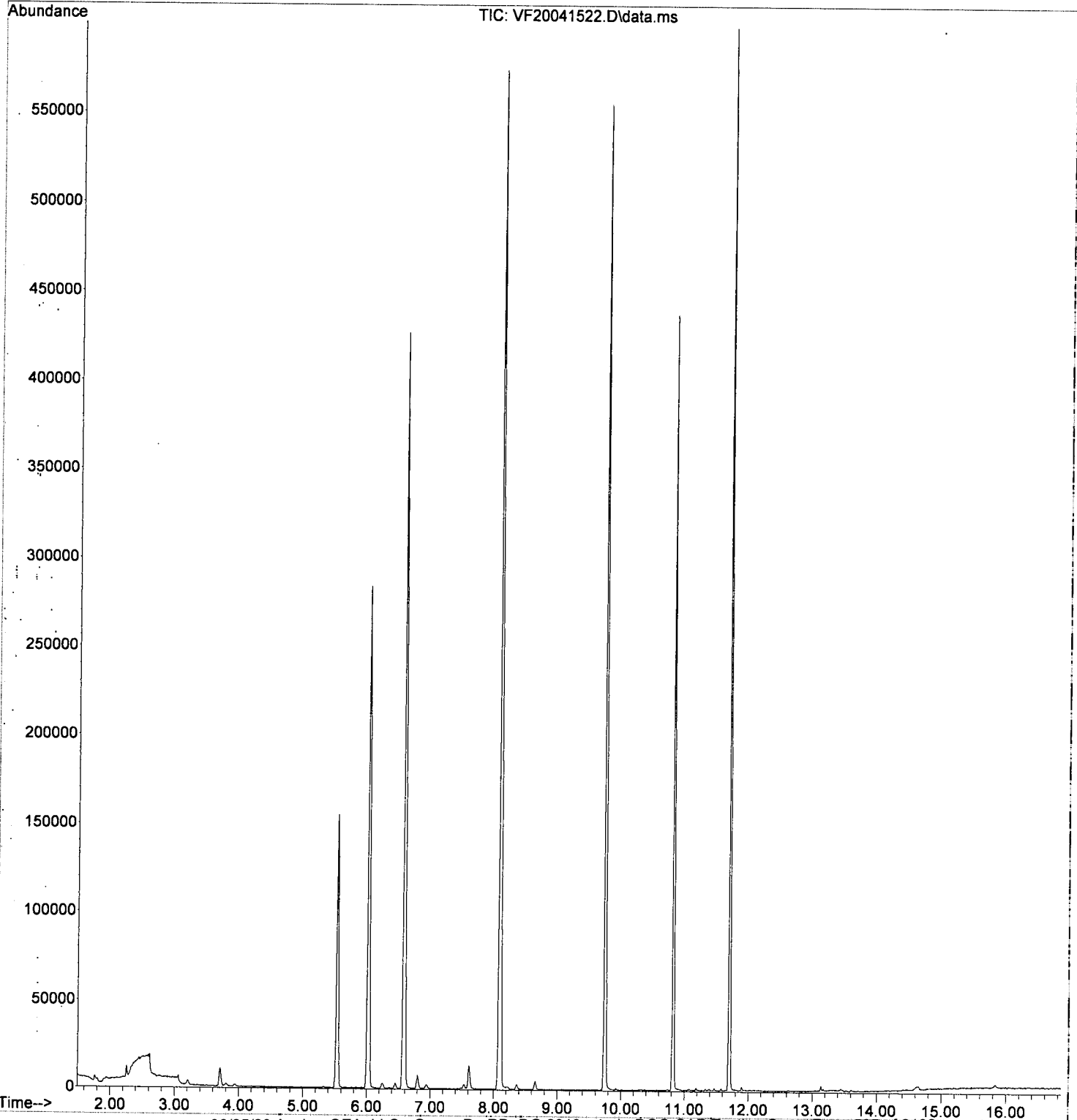
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.022	168	211892	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.582	TIC	856716	44.79	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.816	TIC	598208	42.93	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.745	TIC	890212	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.090	TIC	1160110	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	767194	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	92457m	27.03	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	499366m	25.51	ug/L	
7) TPHg (C6-C10)	9.745	TIC	420698m	21.66	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	500354m	26.91	ug/L	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041522.D
Acq On : 16 Apr 2020 2:42 pm
Operator : tb
Sample : 0D15055-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 22 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:35 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041523.D
 Acq On : 16 Apr 2020 3:09 pm
 Operator : tb
 Sample : 0D15055-IBL9
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 23 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:37 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWT PH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

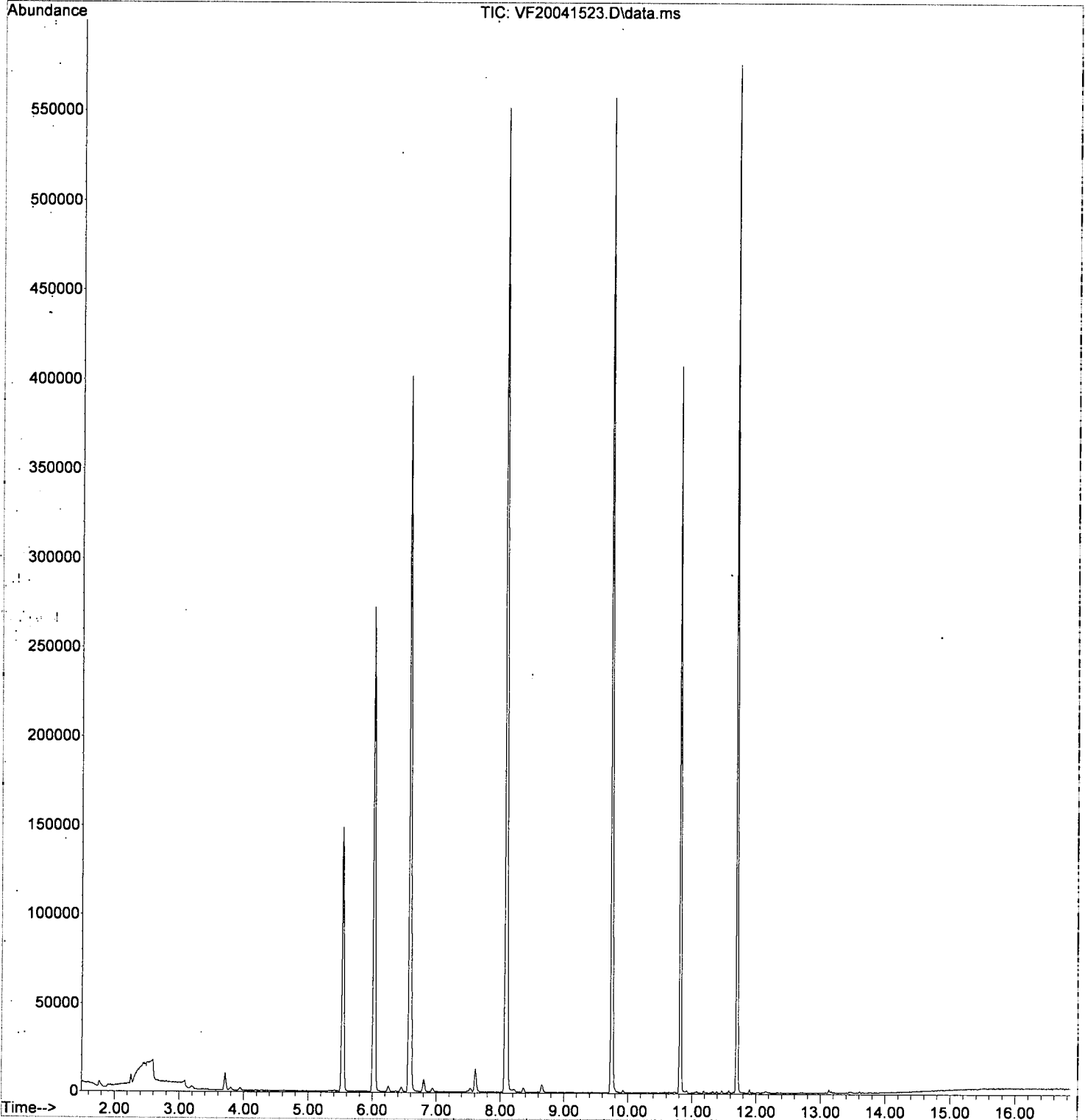
NR

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	201853	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.586	TIC	824915	45.27	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.814	TIC	582698	43.89	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.743	TIC	866684	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.088	TIC	1112942	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.702	TIC	755813	0.00	ug/L	0.00
Target Compounds						
5) NWT PH-Gx	9.745	TIC	72032m	25.26	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	404579m	19.26	ug/L	
7) TPHg (C6-C10)	9.745	TIC	385287m	20.07	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	404579m	21.65	ug/L	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041523.D
Acq On : 16 Apr 2020 3:09 pm
Operator : tb
Sample : 0D15055-IBL9
Misc : 1X 5mL DI+MeOH
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:37 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



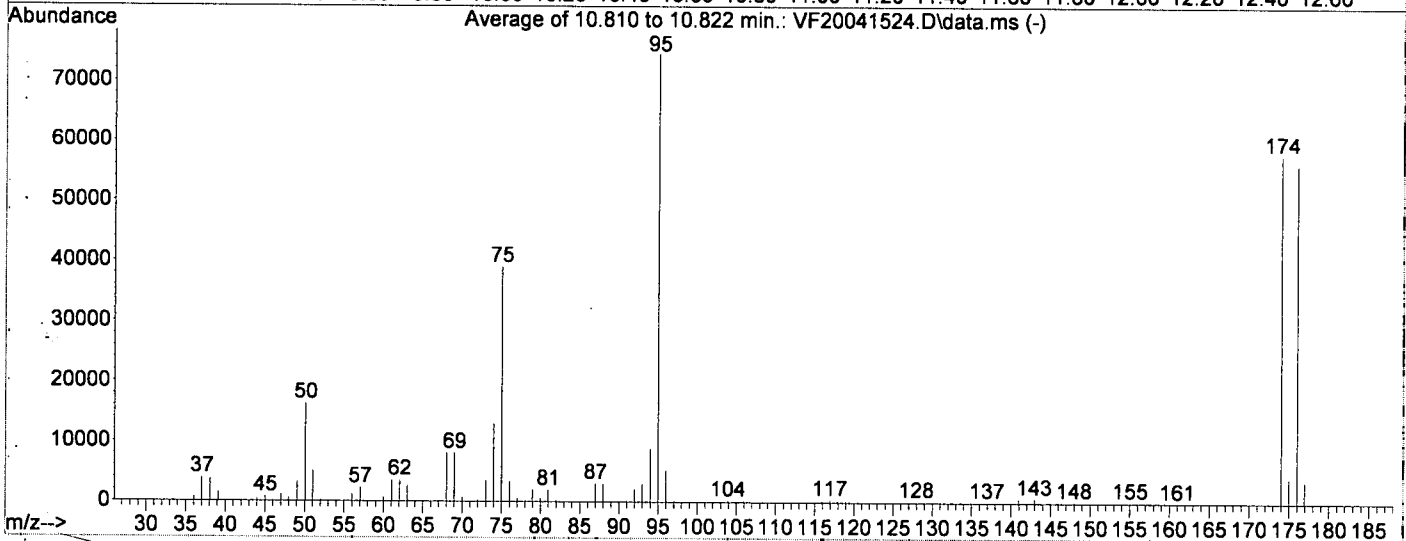
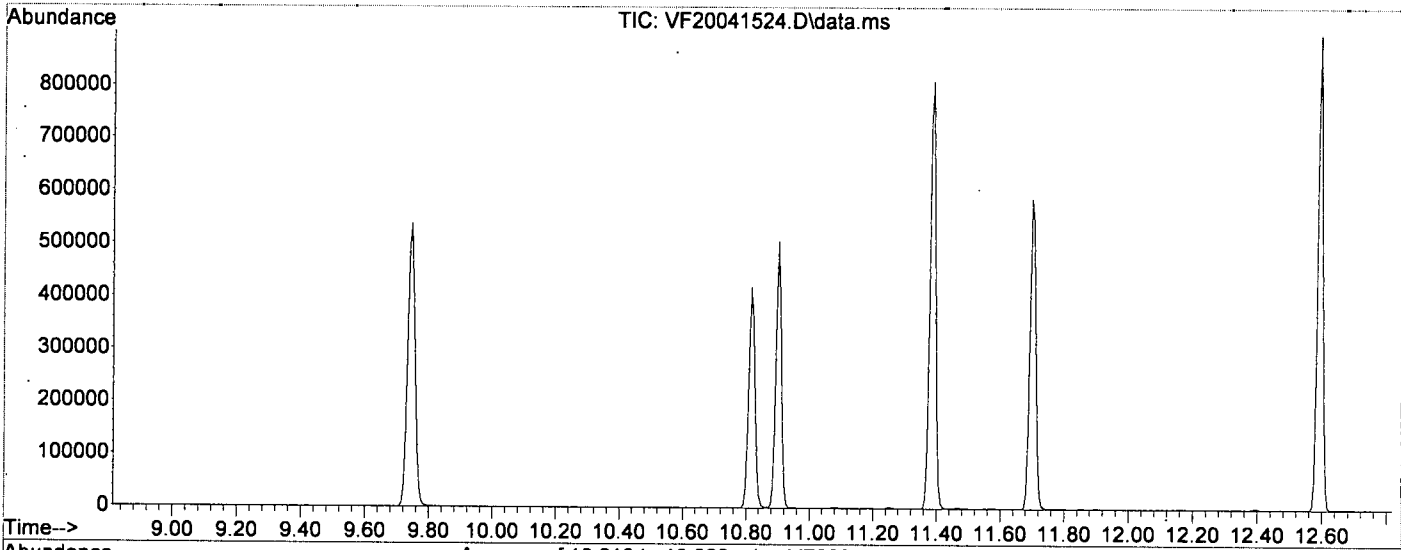
BFB

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041524.D
Acq On : 16 Apr 2020 3:37 pm
Operator : tb
Sample : 0D15055-TUN2 RT
Misc : 1X 5mL A19L228 BFB (IS/SURR)
ALS Vial : 24 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\VF200415G.M
Title : NWTPH-Gx by GC/MS
Last Update : Fri Apr 17 13:57:44 2020

Handwritten: 4/17/20



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	128.9	74501	PASS
96	95	5	9	7.1	5269	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	77.6	57792	PASS
175	174	5	9	7.2	4146	PASS
176	174	95	105	97.3	56216	PASS
177	176	5	10	6.4	3586	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041524.D
 Acq On : 16 Apr 2020 3:37 pm
 Operator : tb
 Sample : 0D15055-TUN2 RT
 Misc : 1X 5mL A19L228 BFB (IS/SURR)
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

Quant Time: Apr 17 14:05:39 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

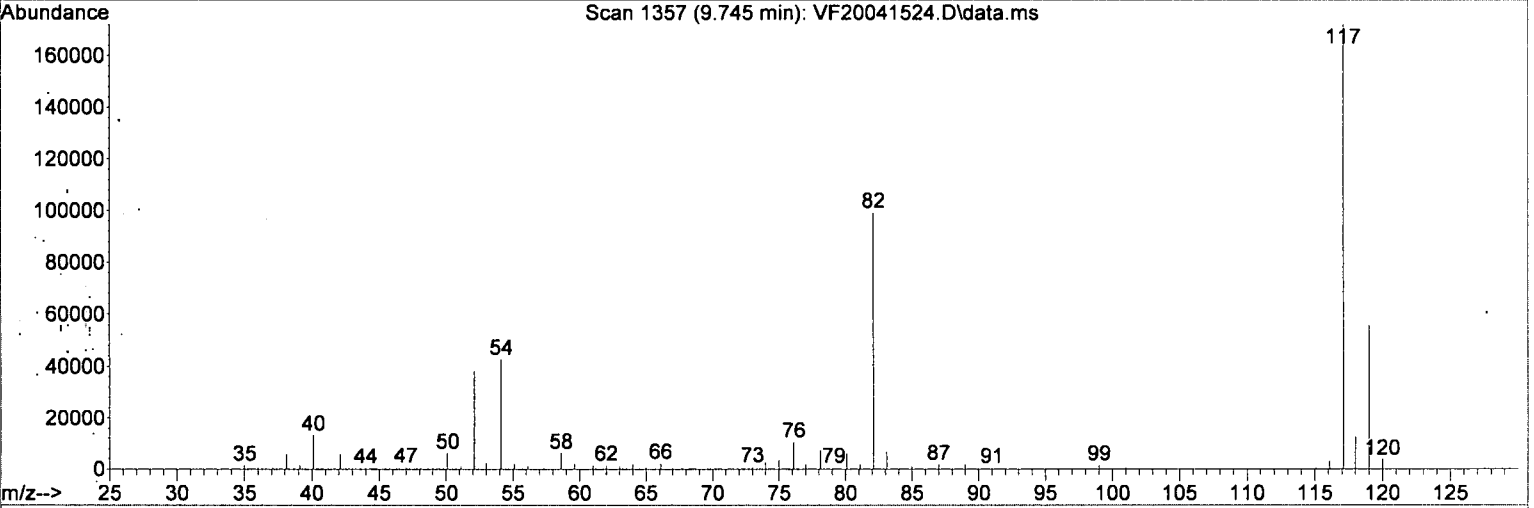
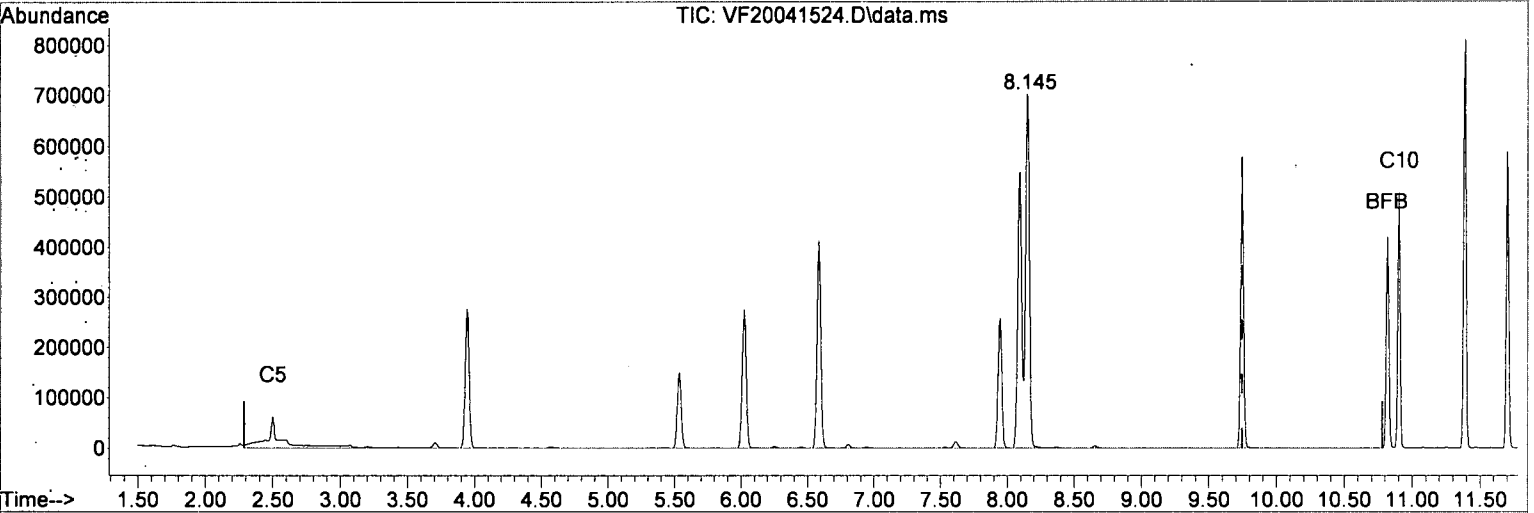
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (IS)	6.022	168	203083	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.582	TIC	828300	45.18	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.816	TIC	577365	43.23	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.745	TIC	851795	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.090	TIC	1163076	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	768545	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	5464549m	612.89	ug/L		Qvalue
6) TPHg (C5-C9)	9.745	TIC	3019099m	247.10	ug/L		
7) TPHg (C6-C10)	9.745	TIC	2906003m	276.64	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	5661905m	401.59	ug/L		

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041524.D
 Acq On : 16 Apr 2020 3:37 pm
 Operator : tb
 Sample : 0D15055-TUN2 RT
 Misc : 1X 5mL A19L228 BFB (IS/SURR)
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:39 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration



(6) TPHg (C5-C9) (H)

9.745min (0.000) 247.10 ug/L m

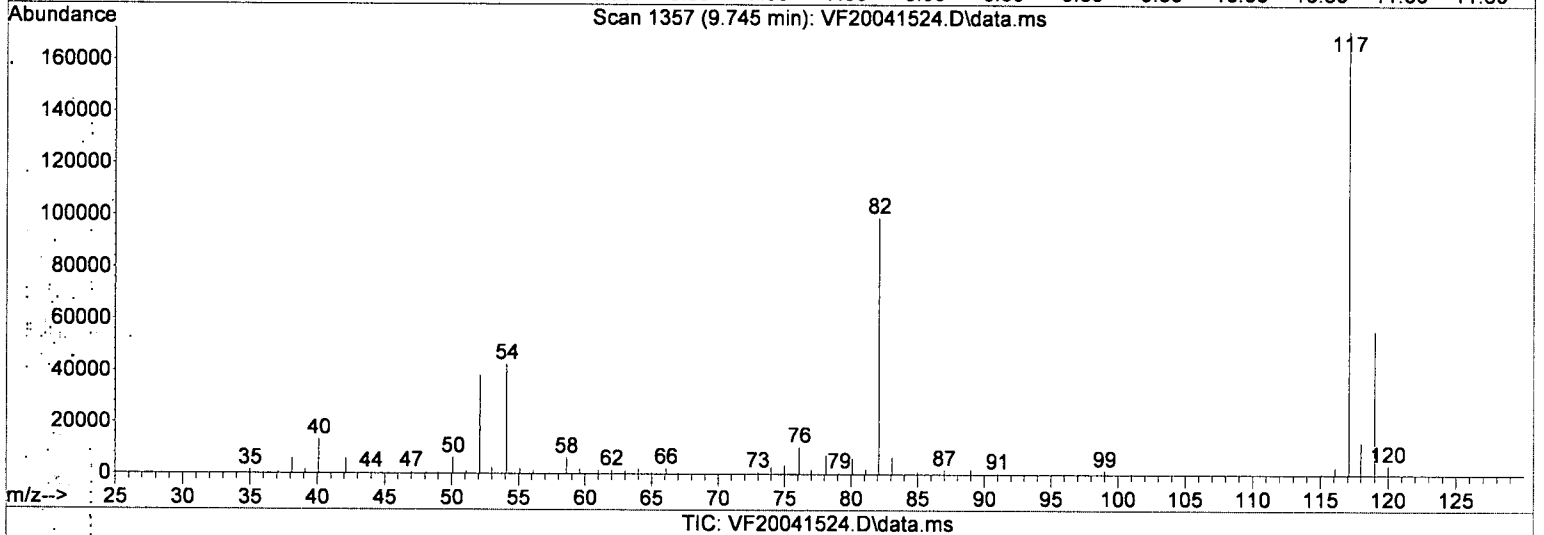
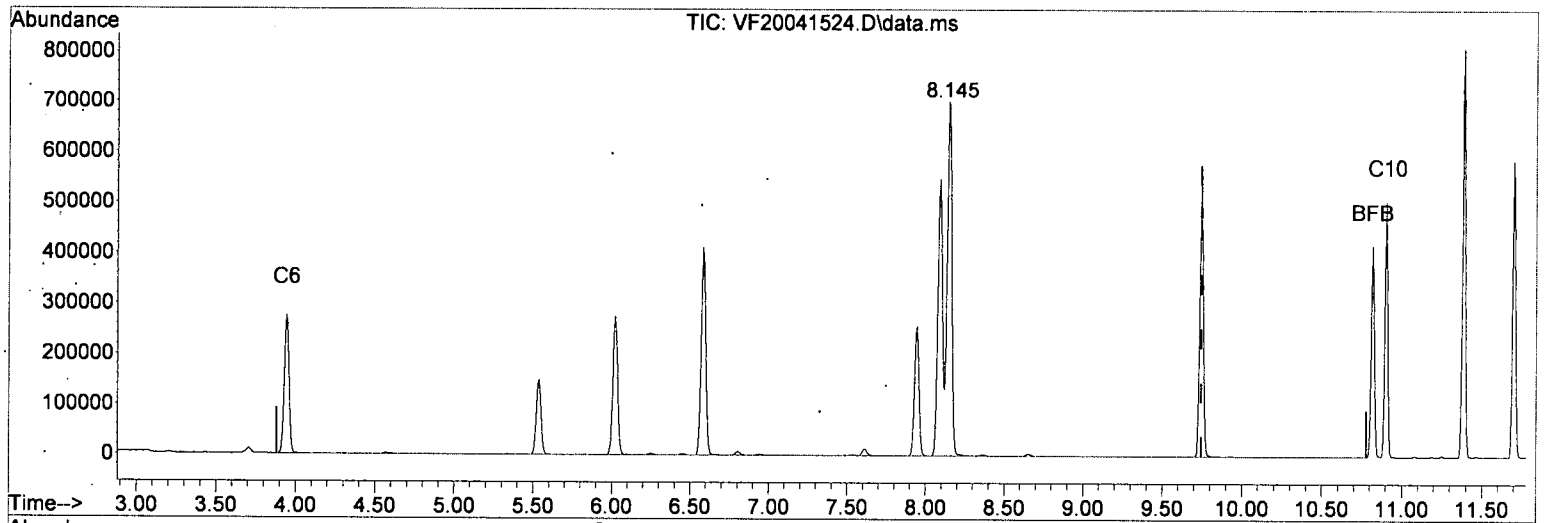
response 3019099

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	1.14#
0.00	0.00	0.90#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041524.D
 Acq On : 16 Apr 2020 3:37 pm
 Operator : tb
 Sample : 0D15055-TUN2 RT
 Misc : 1X 5mL A19L228 BFB (IS/SURR)
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:39 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration



(7) TPHg (C6-C10) (H)

9.745min (0.000) 276.64 ug/L m

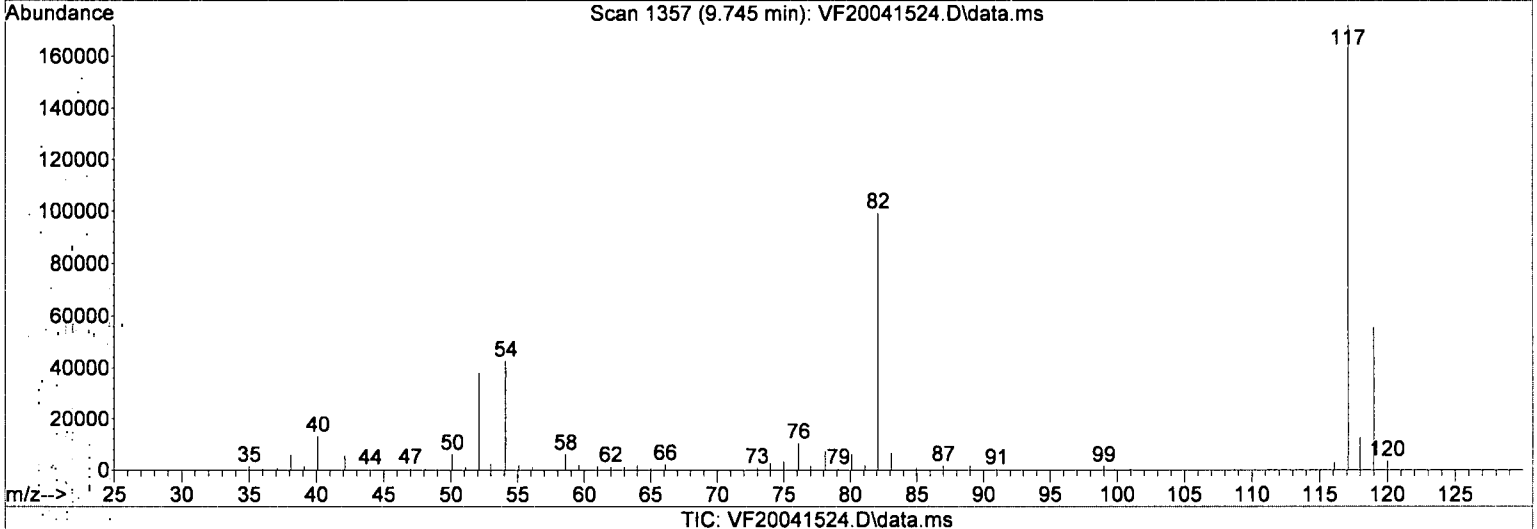
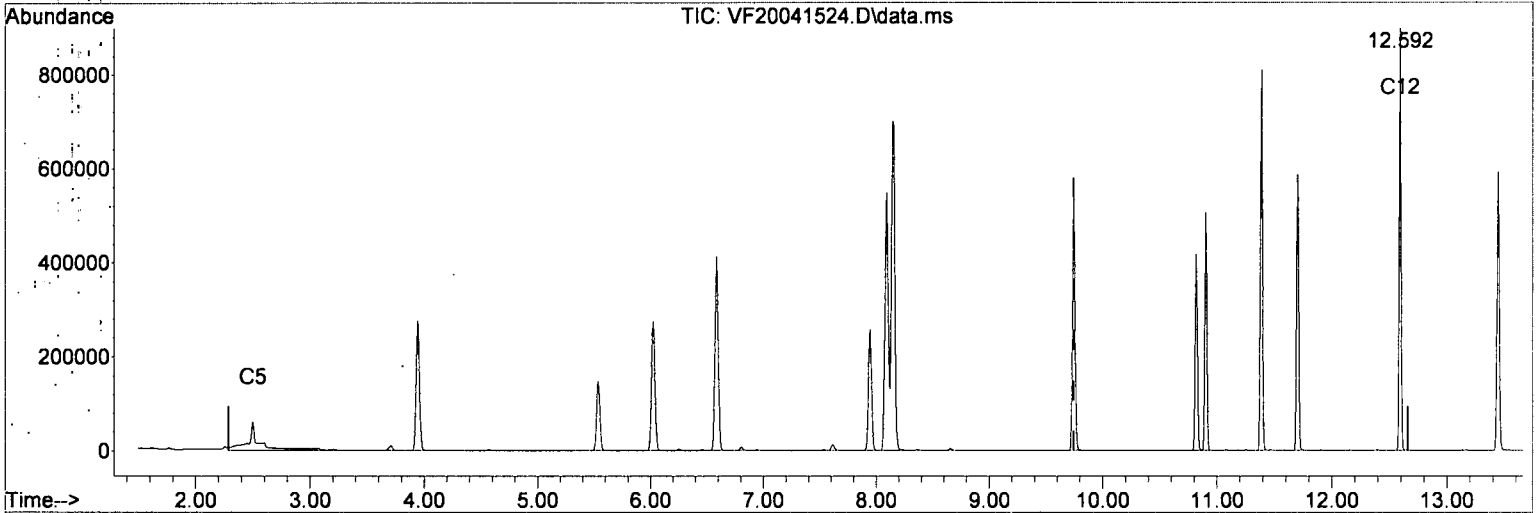
response 2906003

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	1.19#
0.00	0.00	0.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041524.D
 Acq On : 16 Apr 2020 3:37 pm
 Operator : tb
 Sample : 0D15055-TUN2 RT
 Misc : 1X 5mL A19L228 BFB (IS/SURR)
 ALS Vial : 24 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:39 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration



(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 401.59 ug/L m

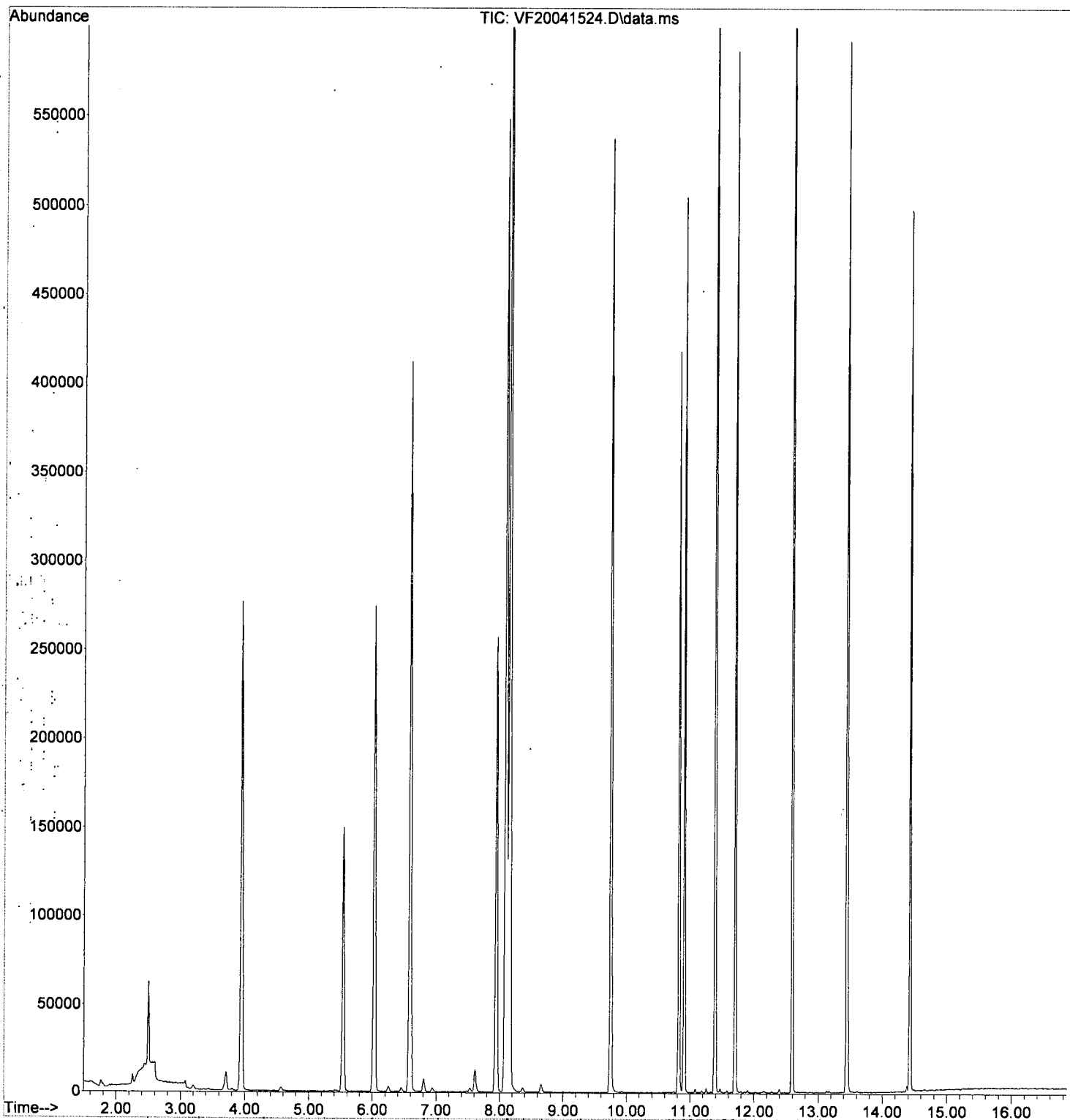
response 5661905

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.61#
0.00	0.00	0.48#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041524.D
Acq On : 16 Apr 2020 3:37 pm
Operator : tb
Sample : 0D15055-TUN2 RT
Misc : 1X 5mL A19L228 BFB (IS/SURR)
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:39 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041525.D
 Acq On : 16 Apr 2020 4:04 pm
 Operator : tb
 Sample : 0D15055-IBLA
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 25 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:41 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

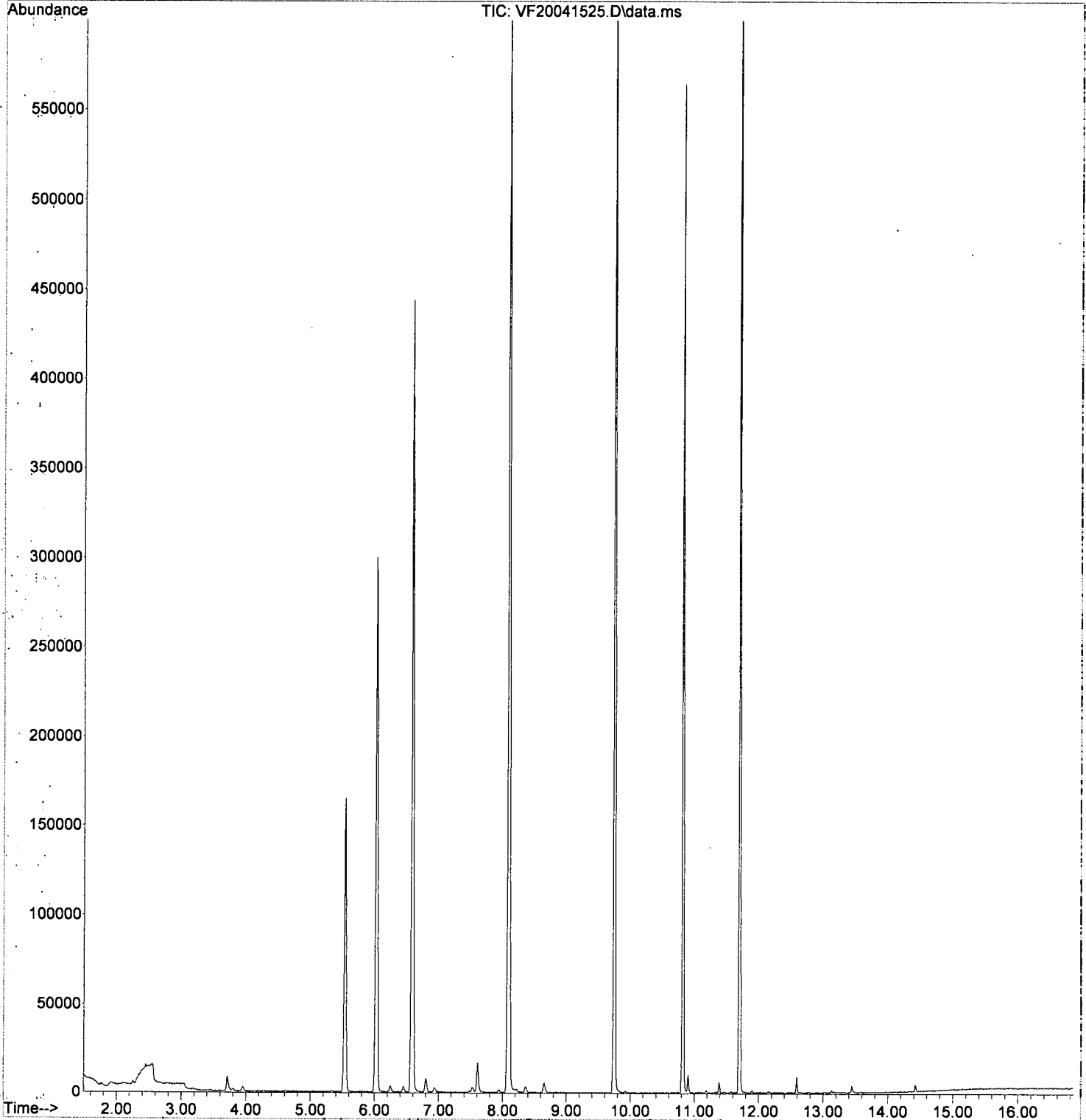
NR

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.022	168	223503	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.582	TIC	908040	45.00	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.816	TIC	764224	51.99	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.745	TIC	1052561	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.090	TIC	1267646	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	973875	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	131486m	30.41	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	502086m	23.55	ug/L	
7) TPHg (C6-C10)	9.745	TIC	435888m	20.93	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	535840m	27.44	ug/L	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041525.D
Acq On : 16 Apr 2020 4:04 pm
Operator : tb
Sample : 0D15055-IBLA
Misc : 1X 5mL DI+MeOH
ALS Vial : 25 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:41 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041526.D
 Acq On : 16 Apr 2020 4:31 pm
 Operator : tb
 Sample : 0D15055-ICB2
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 26 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

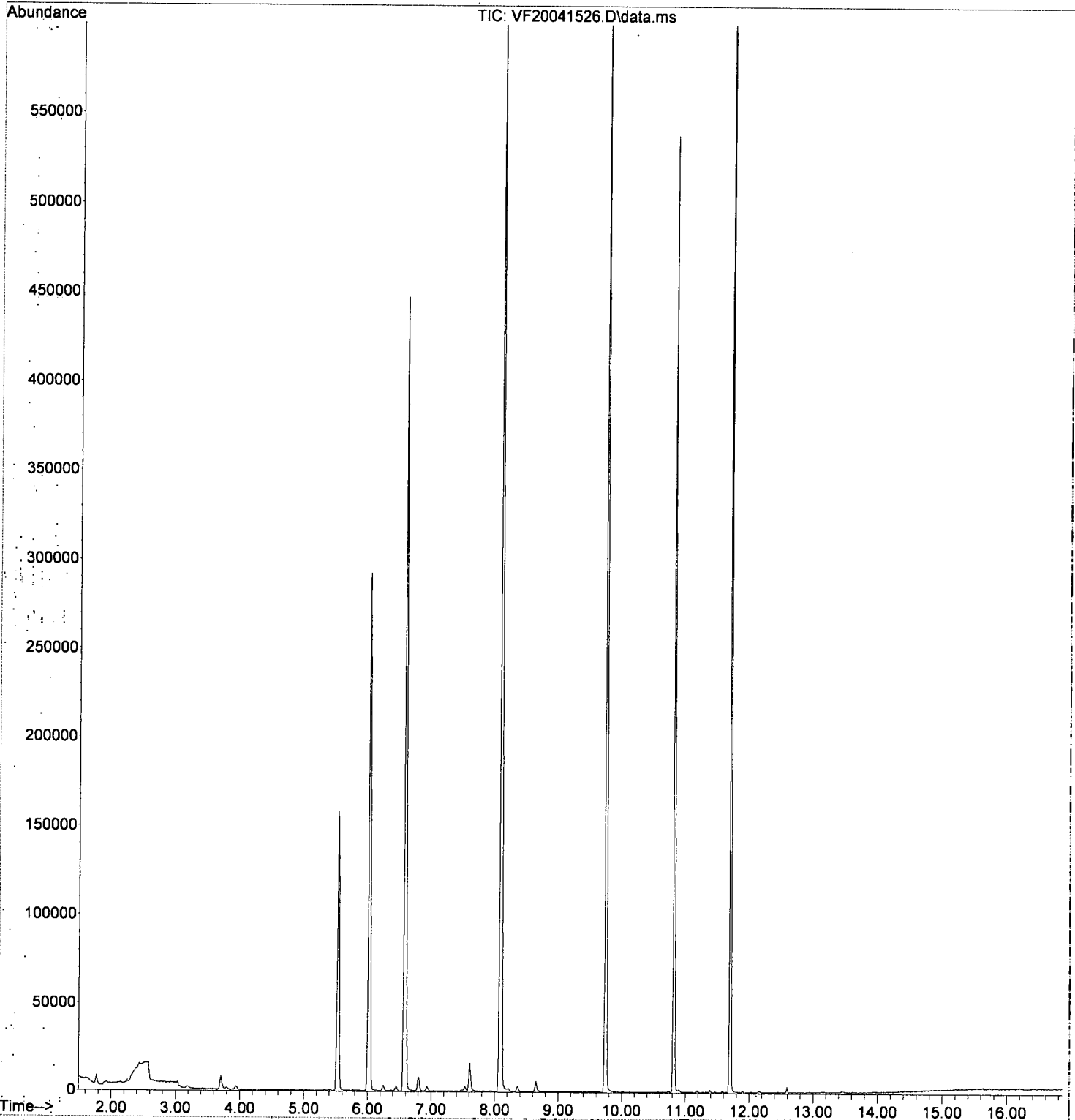
Quant Time: Apr 17 14:05:43 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWT PH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.022	168	220289	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.581	TIC	902123	45.36	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.816	TIC	718090	49.56	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.739	TIC	1034130	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.090	TIC	1252908	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	899848	0.00	ug/L	0.00
Target Compounds						
5) NWT PH-Gx	9.745	TIC	99783m	27.40	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	467948m	21.39	ug/L	<i>LOW</i>
7) TPHg (C6-C10)	9.745	TIC	432460m	21.20	ug/L	↓
8) CA-LUFT (C5-C12)	9.745	TIC	467948m	23.42	ug/L	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041526.D
Acq On : 16 Apr 2020 4:31 pm
Operator : tb
Sample : 0D15055-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:43 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041527.D
 Acq On : 16 Apr 2020 4:59 pm
 Operator : tb
 Sample : 0D15055-CALC
 Misc : 1X 50ppb 5mL DI+MeOH
 ALS Vial : 27 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:14 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:17 2020
 Response via : Initial Calibration

Handwritten: 4/17/20

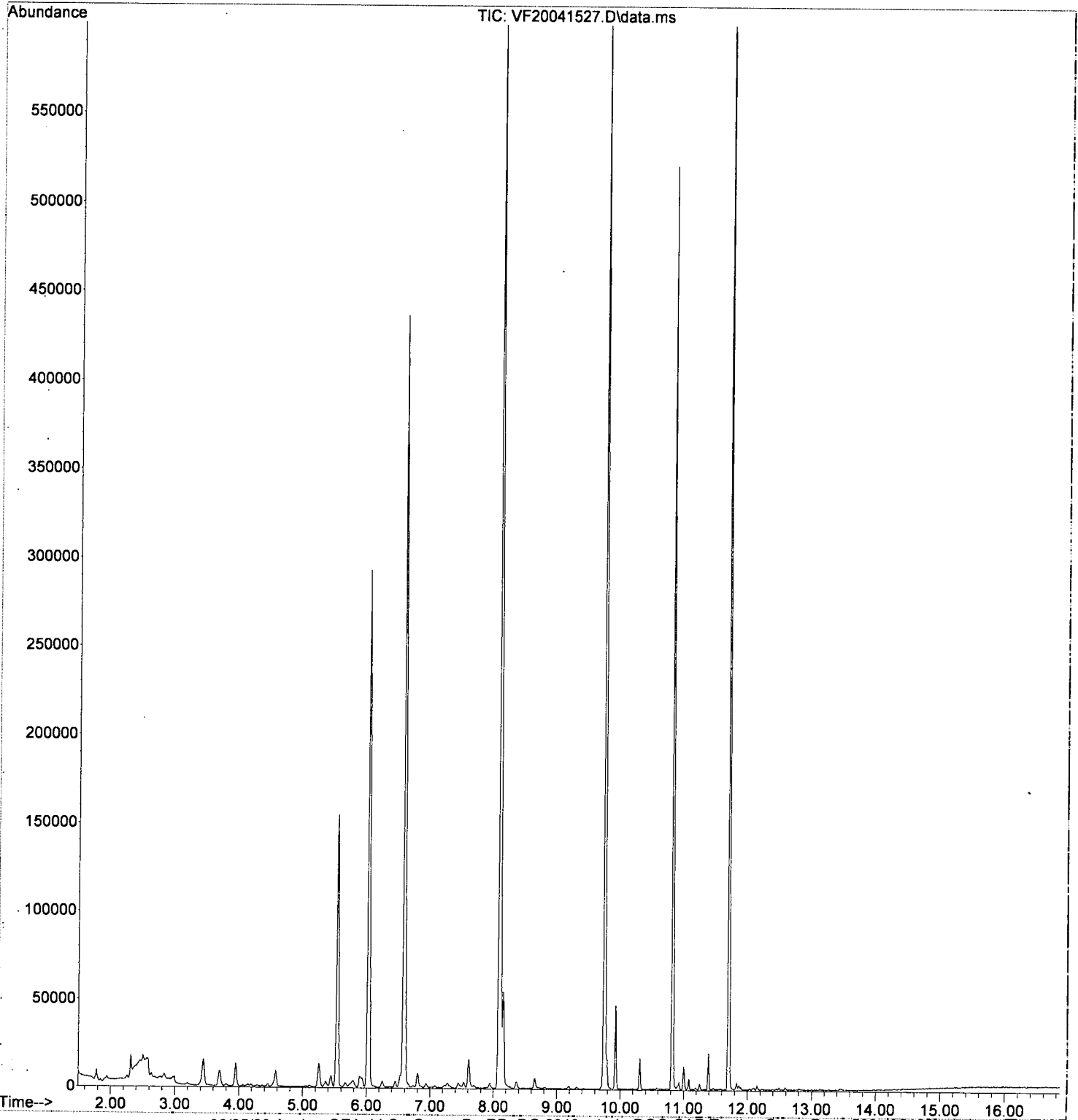
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.022	168	216469	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.581	TIC	900161	49.78	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.815	TIC	710024	50.77	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.745	TIC	1035693	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.090	TIC	1227694	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	902210	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	416204m	46.57	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	879439m	72.85	ug/L	
7) TPHg (C6-C10)	9.745	TIC	806081m	75.73	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	953720m	67.86	ug/L	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041527.D
Acq On : 16 Apr 2020 4:59 pm
Operator : tb
Sample : 0D15055-CALC
Misc : 1X 50ppb 5mL DI+MeOH
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:14 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:17 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041528.D
 Acq On : 16 Apr 2020 5:26 pm
 Operator : tb
 Sample : 0D15055-CALD
 Misc : 1X 100ppb 5mL DI+MeOH
 ALS Vial : 28 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

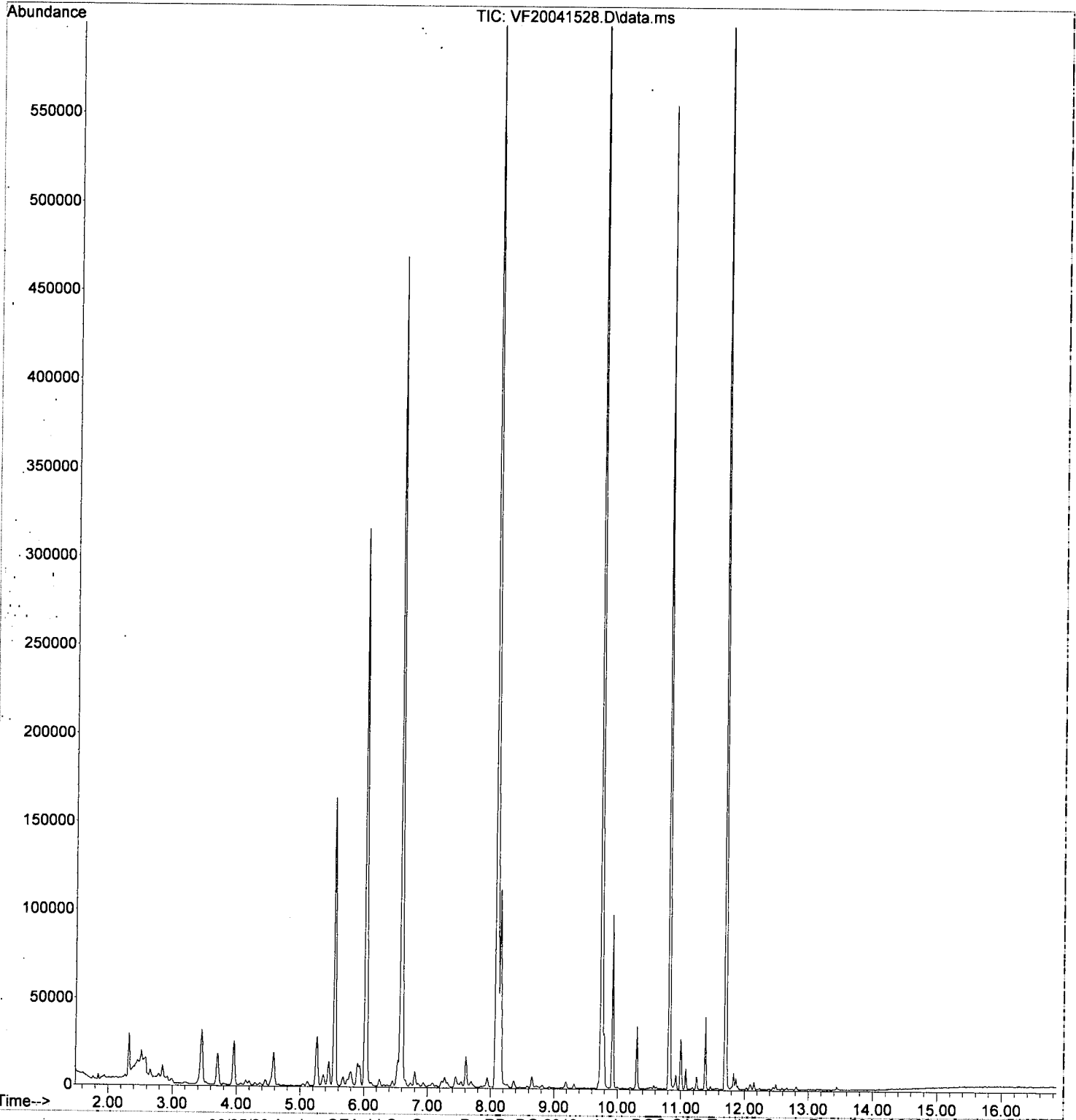
Quant Time: Apr 17 13:52:17 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (IS)	6.027	168	233750	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.586	TIC	991569	50.78	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.814	TIC	763696	50.57	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.744	TIC	1130034	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.089	TIC	1319301	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.697	TIC	971607	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	816996m	84.65	ug/L		Qvalue
6) TPHg (C5-C9)	9.745	TIC	1514377m	116.17	ug/L		
7) TPHg (C6-C10)	9.745	TIC	1285452m	111.83	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	1694263m	111.65	ug/L		

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041528.D
Acq On : 16 Apr 2020 5:26 pm
Operator : tb
Sample : 0D15055-CALD
Misc : 1X 100ppb 5mL DI+MeOH
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:17 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041529.D
 Acq On : 16 Apr 2020 5:53 pm
 Operator : tb
 Sample : 0D15055-CALE
 Misc : 1X 250ppb 5mL DI+MeOH
 ALS Vial : 29 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:19 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

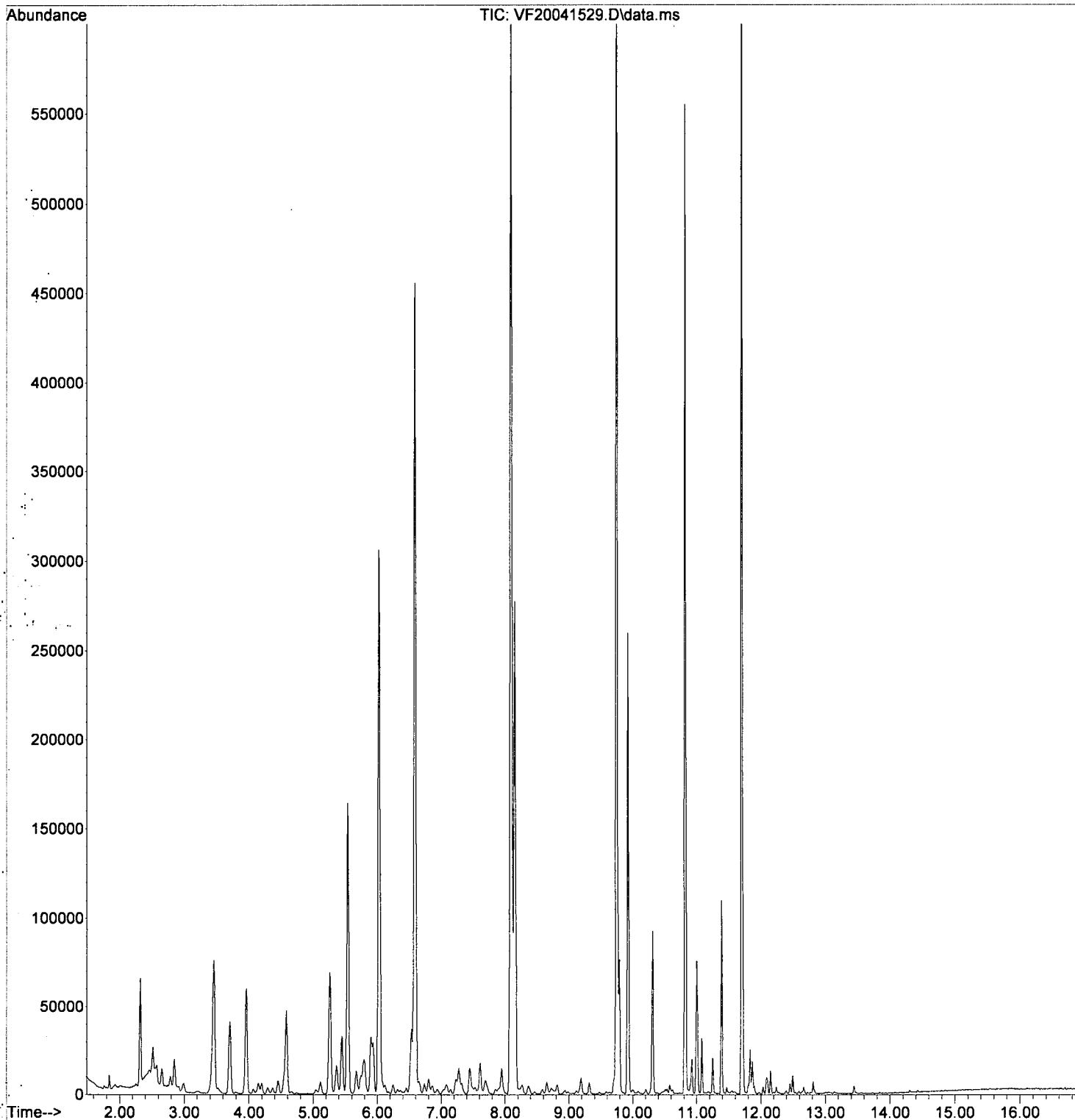
4/17/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.027	168	228504	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.586	TIC	944418	49.47	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.814	TIC	761491	51.58	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.744	TIC	1090568	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.089	TIC	1318480	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.703	TIC	991170	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	2119758m	224.68	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	3240225m	254.26	ug/L	
7) TPHg (C6-C10)	9.745	TIC	2733772m	243.30	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	3758606m	253.37	ug/L	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041529.D
Acq On : 16 Apr 2020 5:53 pm
Operator : tb
Sample : 0D15055-CALE
Misc : 1X 250ppb 5mL DI+MeOH
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:19 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041530.D
 Acq On : 16 Apr 2020 6:20 pm
 Operator : tb
 Sample : 0D15055-CALF
 Misc : 1X 500ppb 5mL DI+MeOH
 ALS Vial : 30 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Handwritten signature
 4/17/20

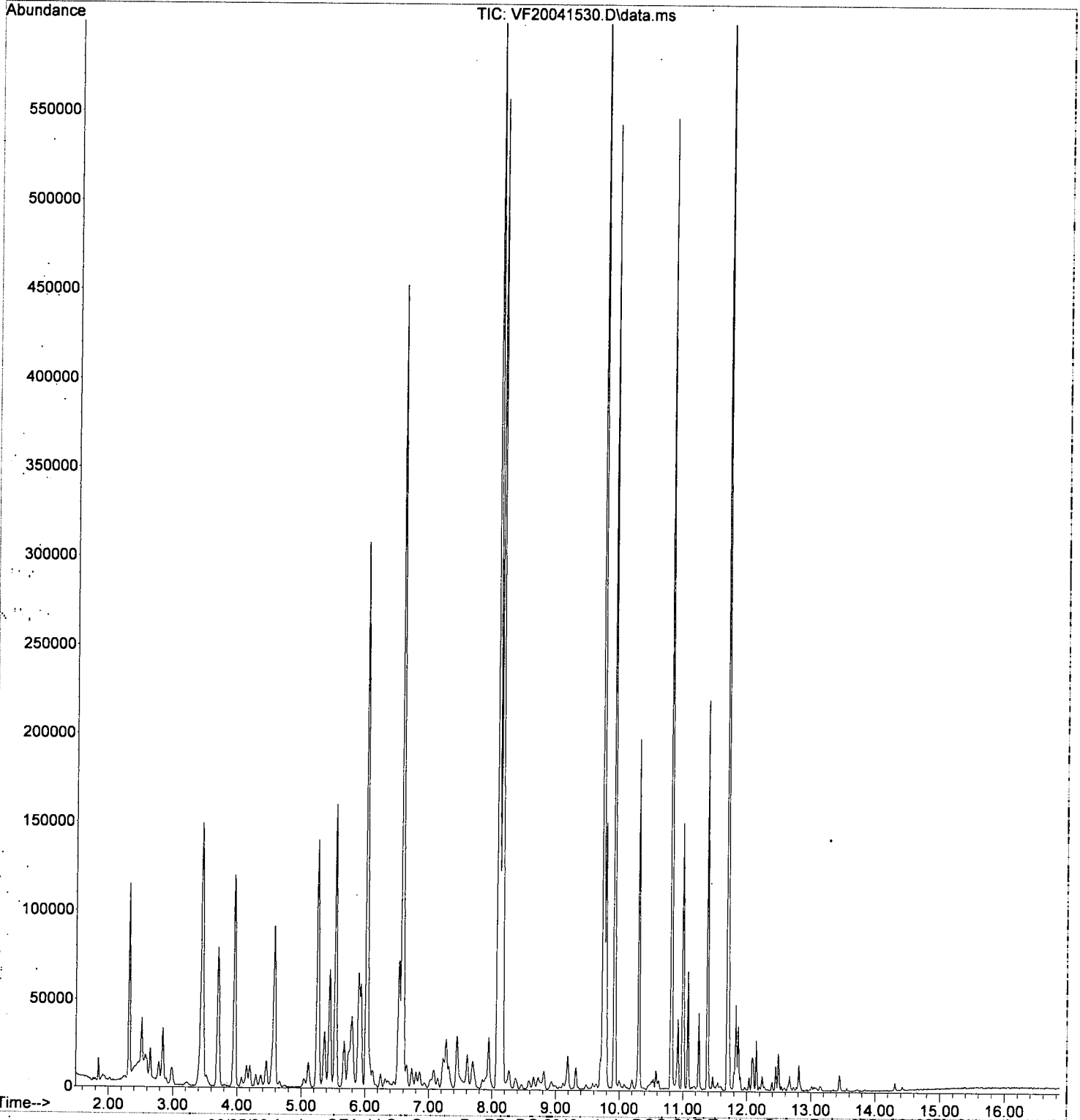
Quant Time: Apr 17 13:52:21 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Pentafluorobenzene (IS)	6.022	168	225946	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.582	TIC	943774	50.00	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.816	TIC	729891	50.00	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.745	TIC	1077245	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.090	TIC	1305264	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.698	TIC	967683	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	4664474m	500.00	ug/L		Qvalue
6) TPHg (C5-C9)	9.745	TIC	6300539m	500.00	ug/L		
7) TPHg (C6-C10)	9.745	TIC	5555252m	500.00	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	7334274m	500.00	ug/L		

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041530.D
Acq On : 16 Apr 2020 6:20 pm
Operator : tb
Sample : 0D15055-CALF
Misc : 1X 500ppb 5mL DI+MeOH
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:21 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Quantitation Report

(Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041531.D
 Acq On : 16 Apr 2020 6:47 pm
 Operator : tb
 Sample : 0D15055-CALG
 Misc : 1X 1000ppb 5mL DI+MeOH
 ALS Vial : 31 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

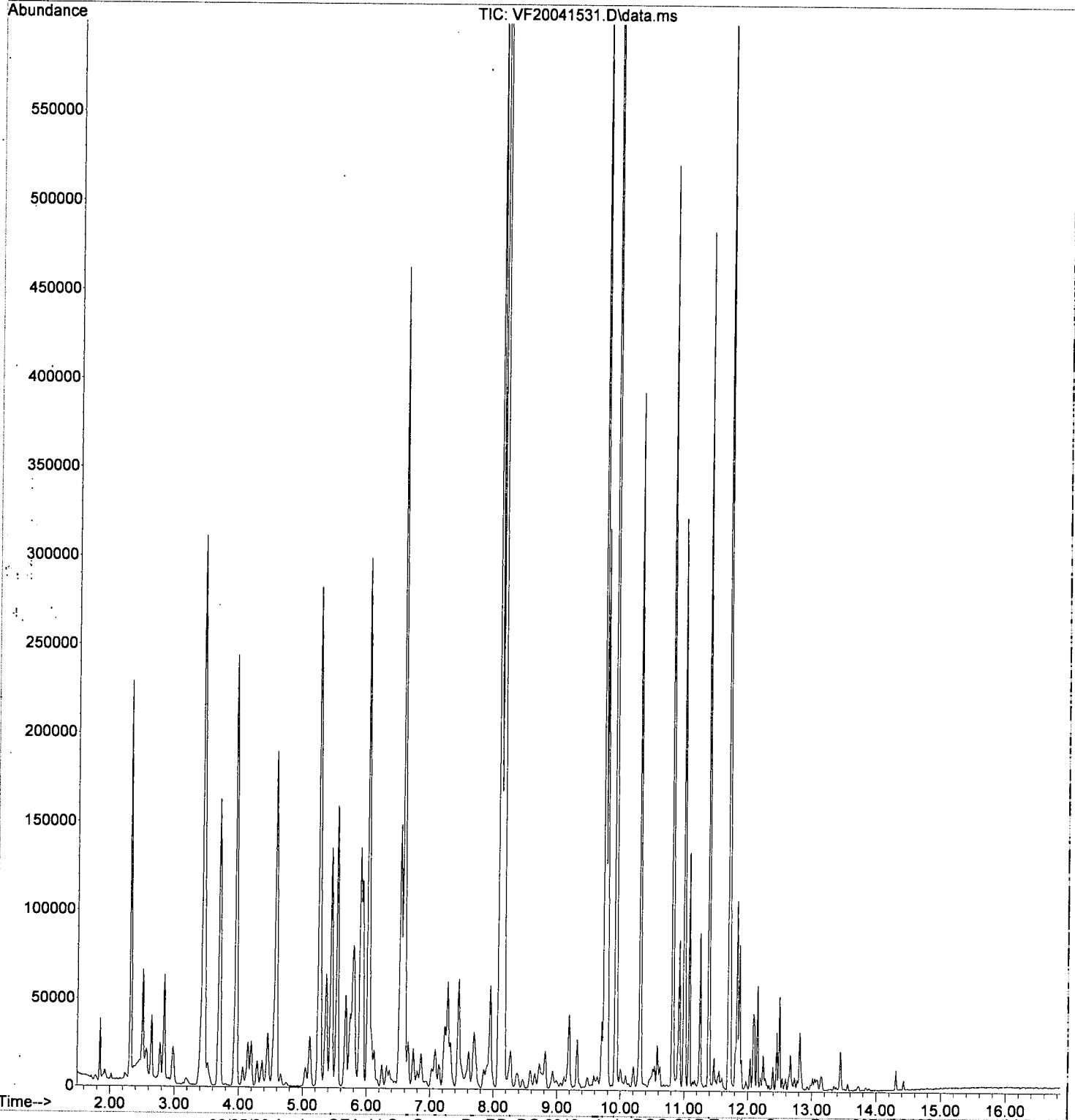
Quant Time: Apr 17 13:52:23 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (IS)	6.025	168	222546	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.585	TIC	939947	50.56	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.813	TIC	744131	51.75	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.742	TIC	1060015	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.087	TIC	1297989	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.701	TIC	1077326	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	9667755m	1052.15	ug/L		Qvalue
6) TPHg (C5-C9)	9.745	TIC	12531701m	1009.69	ug/L		
7) TPHg (C6-C10)	9.745	TIC	10933525m	999.11	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	14850184m	1027.85	ug/L		

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041531.D
Acq On : 16 Apr 2020 6:47 pm
Operator : tb
Sample : 0D15055-CALG
Misc : 1X 1000ppb 5mL DI+MeOH
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:23 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041532.D
 Acq On : 16 Apr 2020 7:14 pm
 Operator : tb
 Sample : 0D15055-CALH
 Misc : 1X 2500ppb 5mL DI+MeOH
 ALS Vial : 32 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

9/17/20

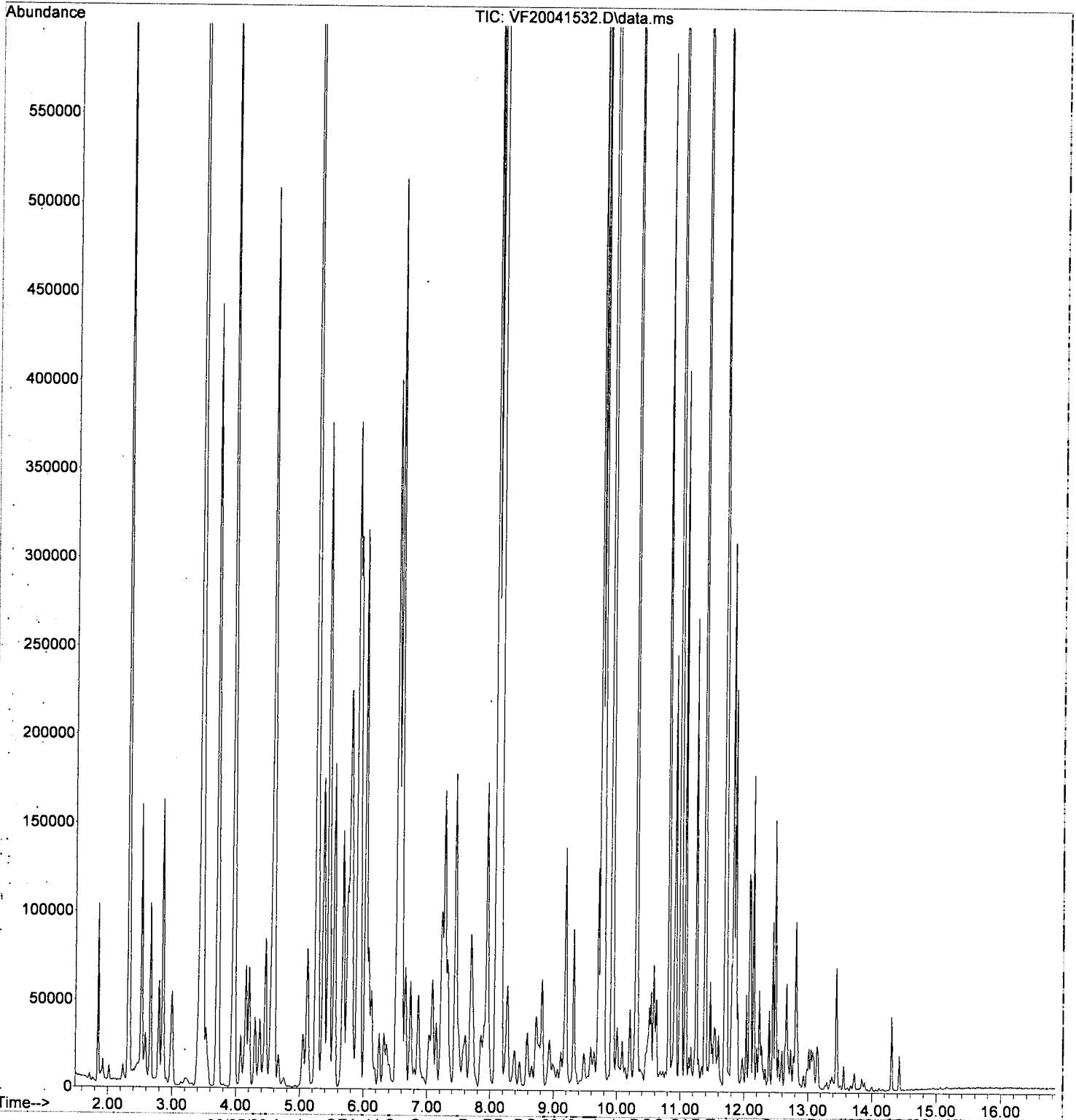
Quant Time: Apr 17 13:52:25 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.023	168	234322	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.583	TIC	1065187	54.42	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.817	TIC	787383	52.01	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.740	TIC	1137885	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.091	TIC	1420103	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.699	TIC	1377769	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	27397770m	2831.88	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	34485437m	2638.88	ug/L	
7) TPHg (C6-C10)	9.745	TIC	29518945m	2561.88	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	41709997m	2741.86	ug/L	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041532.D
Acq On : 16 Apr 2020 7:14 pm
Operator : tb
Sample : 0D15055-CALH
Misc : 1X 2500ppb 5mL DI+MeOH
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:25 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Quantitation Report

(QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041533.D
 Acq On : 16 Apr 2020 7:41 pm
 Operator : tb
 Sample : 0D15055-CALI
 Misc : 1X 5000ppb 5mL DI+MeOH
 ALS Vial : 33 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:54:48 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

4/17/20

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	248461	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	1254989	60.46	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.814	TIC	824553	51.37	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.743	TIC	1204079	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.089	TIC	1433827	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.702	TIC	1318819m	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	59534585m	5803.41	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	71408507m	5153.34	ug/L	
7) TPHg (C6-C10)	9.745	TIC	61768791m	5055.71	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	88247906m	5470.96	ug/L	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041533.D
 Acq On : 16 Apr 2020 7:41 pm
 Operator : tb
 Sample : 0D15055-CALI
 Misc : 1X 5000ppb 5mL DI+MeOH
 ALS Vial : 33 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:27 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWT PH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	248461	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	1254989	60.46	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.814	TIC	824553	51.37	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.743	TIC	1204079	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.089	TIC	1433827	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.702	TIC	1857416	0.00	ug/L	0.00
Target Compounds						
5) NWT PH-Gx	9.745	TIC	58995988m	5750.91	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	71408507m	5153.34	ug/L	
7) TPHg (C6-C10)	9.745	TIC	61768791m	5055.71	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	87709309m	5437.57	ug/L	

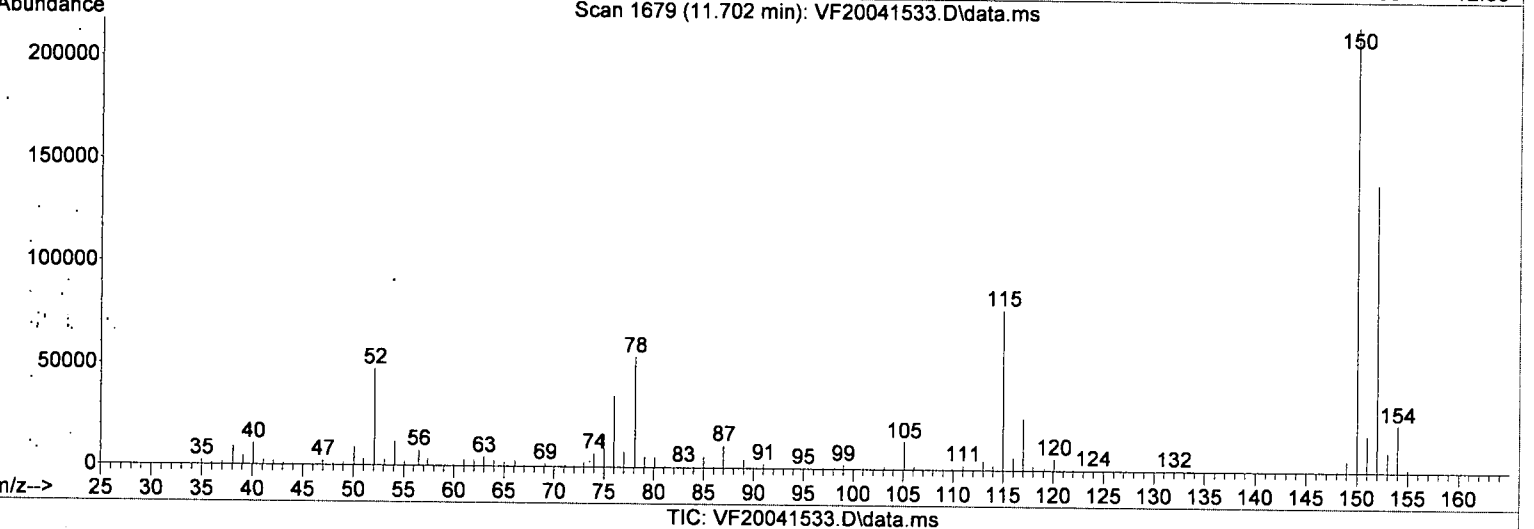
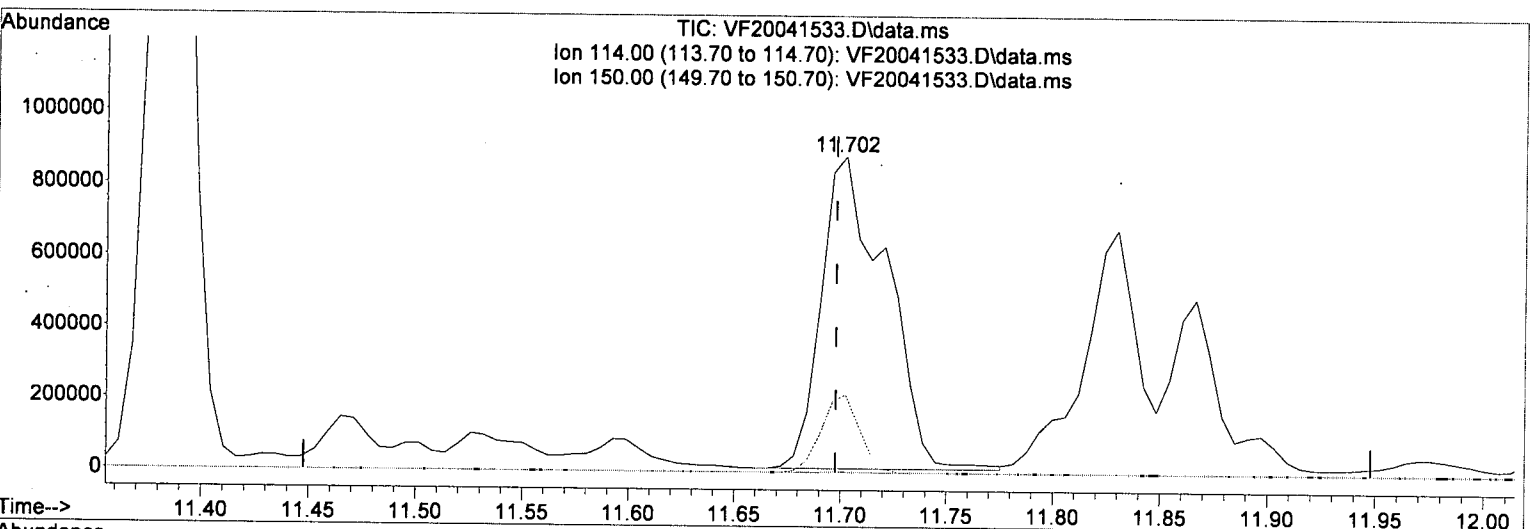
MT

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041533.D
 Acq On : 16 Apr 2020 7:41 pm
 Operator : tb
 Sample : 0D15055-CALI
 Misc : 1X 5000ppb 5mL DI+MeOH
 ALS Vial : 33 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:27 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration



(12) 1,4-Dichlorobenzene-d4 (NR) (S)

11.702min (+0.005) 0.00 ug/L

response 1857416

Signal Exp% Act%

TIC 100 100

114.00 0.20 0.00

150.00 24.00 14.95

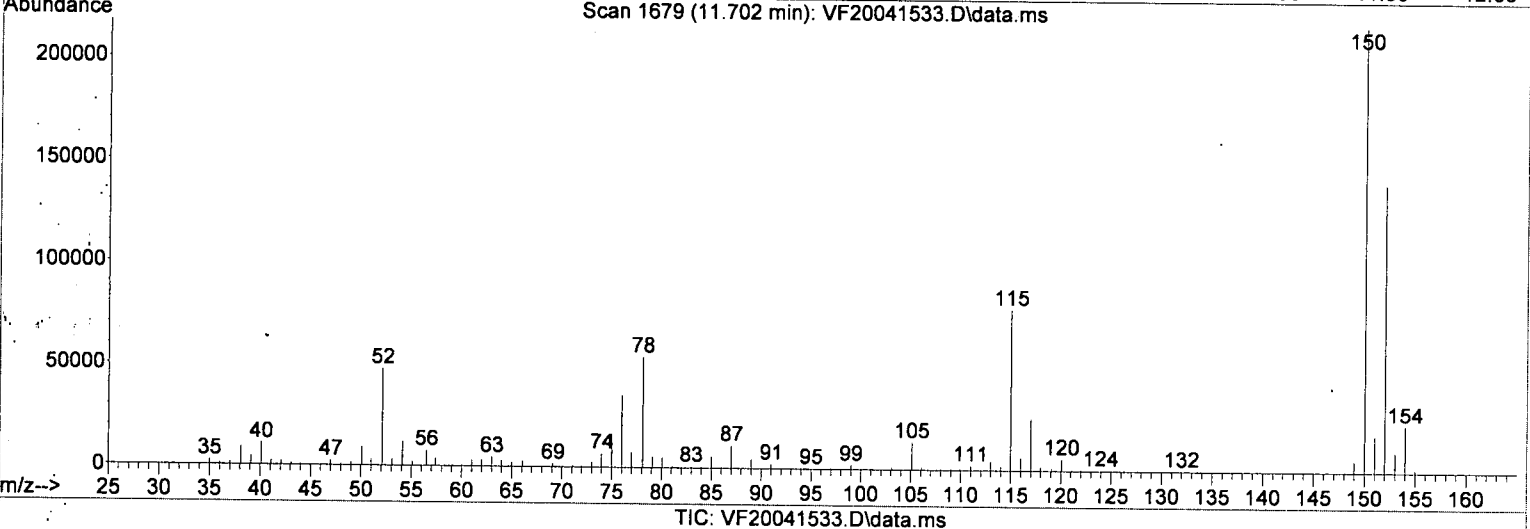
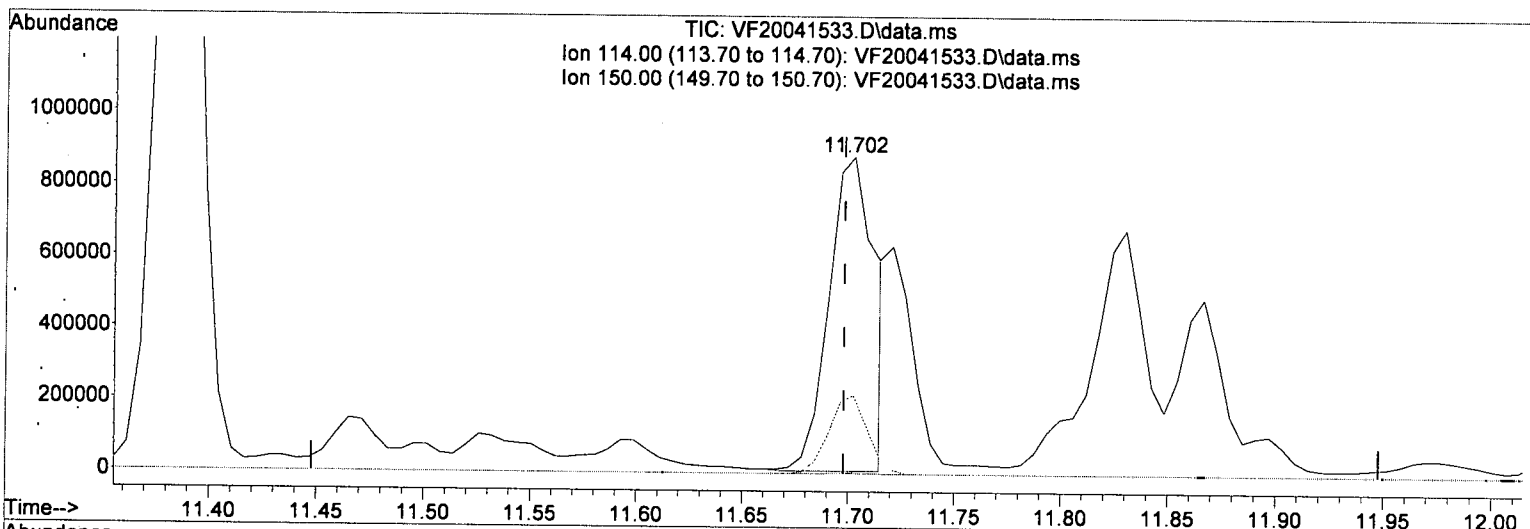
0.00 0.00 0.00

MI

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041533.D
 Acq On : 16 Apr 2020 7:41 pm
 Operator : tb
 Sample : 0D15055-CALI
 Misc : 1X 5000ppb 5mL DI+MeOH
 ALS Vial : 33 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:27 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration



(12) 1,4-Dichlorobenzene-d4 (NR) (S)

11.702min (+0.005) 0.00 ug/L [Ⓞ]

response 1318819

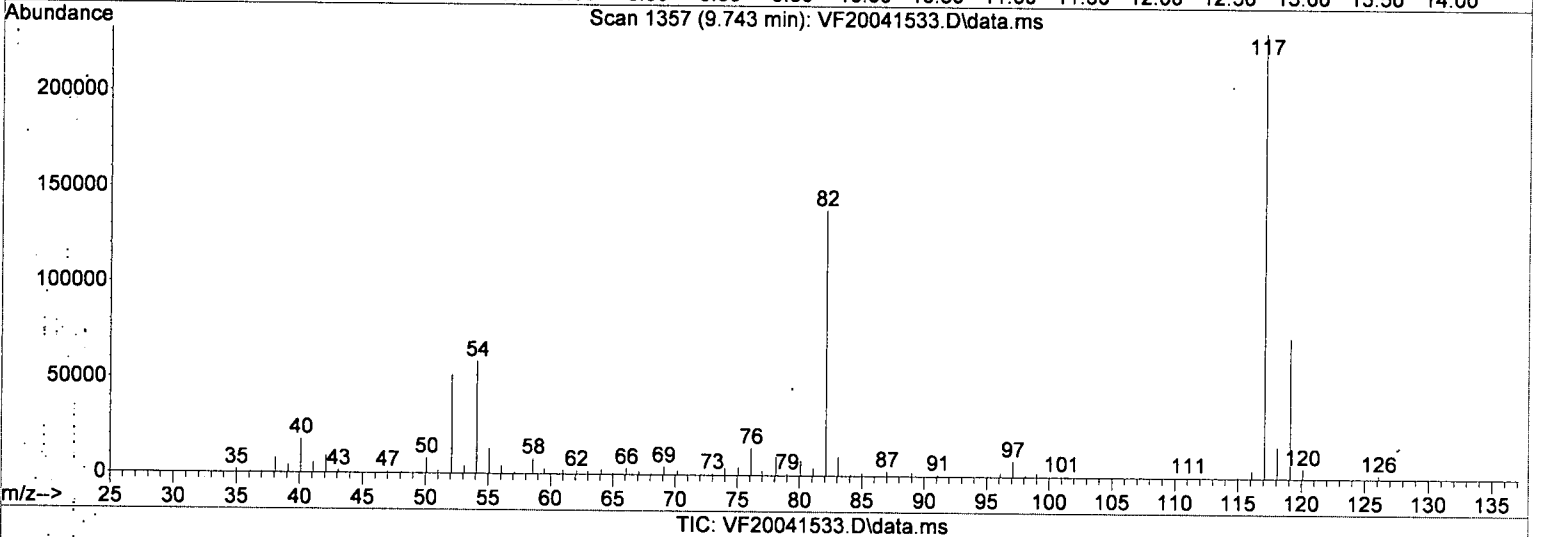
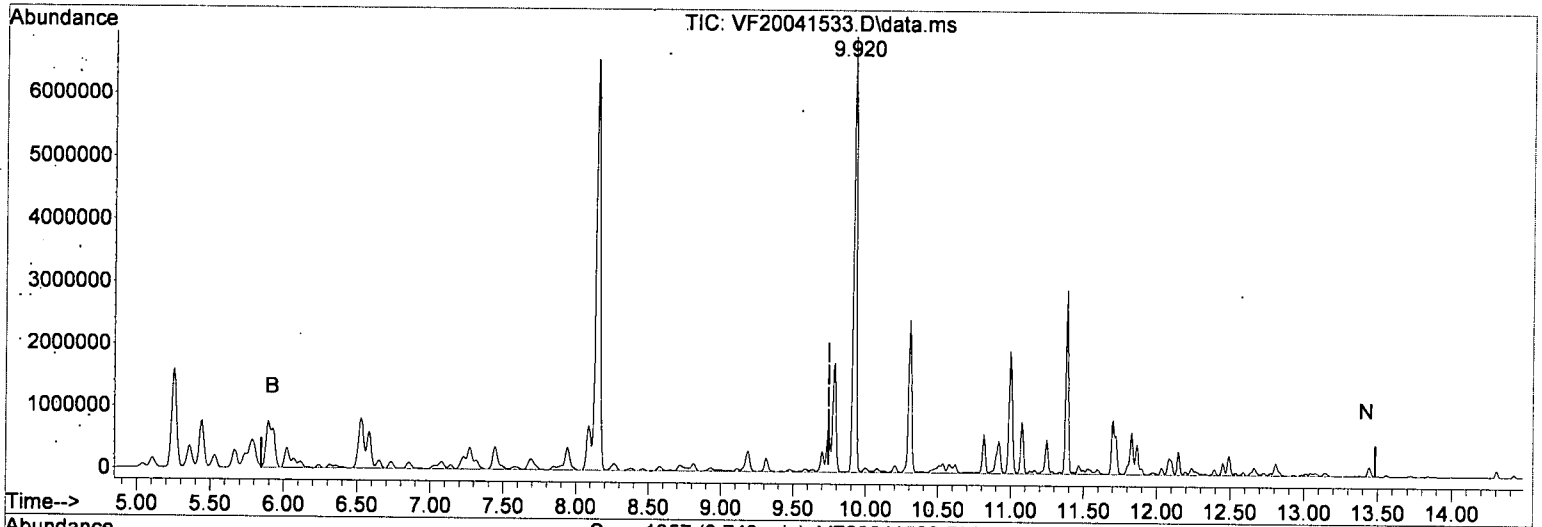
Signal	Exp%	Act%
TIC	100	100
114.00	0.20	0.00
150.00	24.00	21.05
0.00	0.00	0.00

Handwritten signature and date: 4/17/20

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041533.D
 Acq On : 16 Apr 2020 7:41 pm
 Operator : tb
 Sample : 0D15055-CALI
 Misc : 1X 5000ppb 5mL DI+MeOH
 ALS Vial : 33 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:54:48 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration



(5) NWTPH-Gx (H)

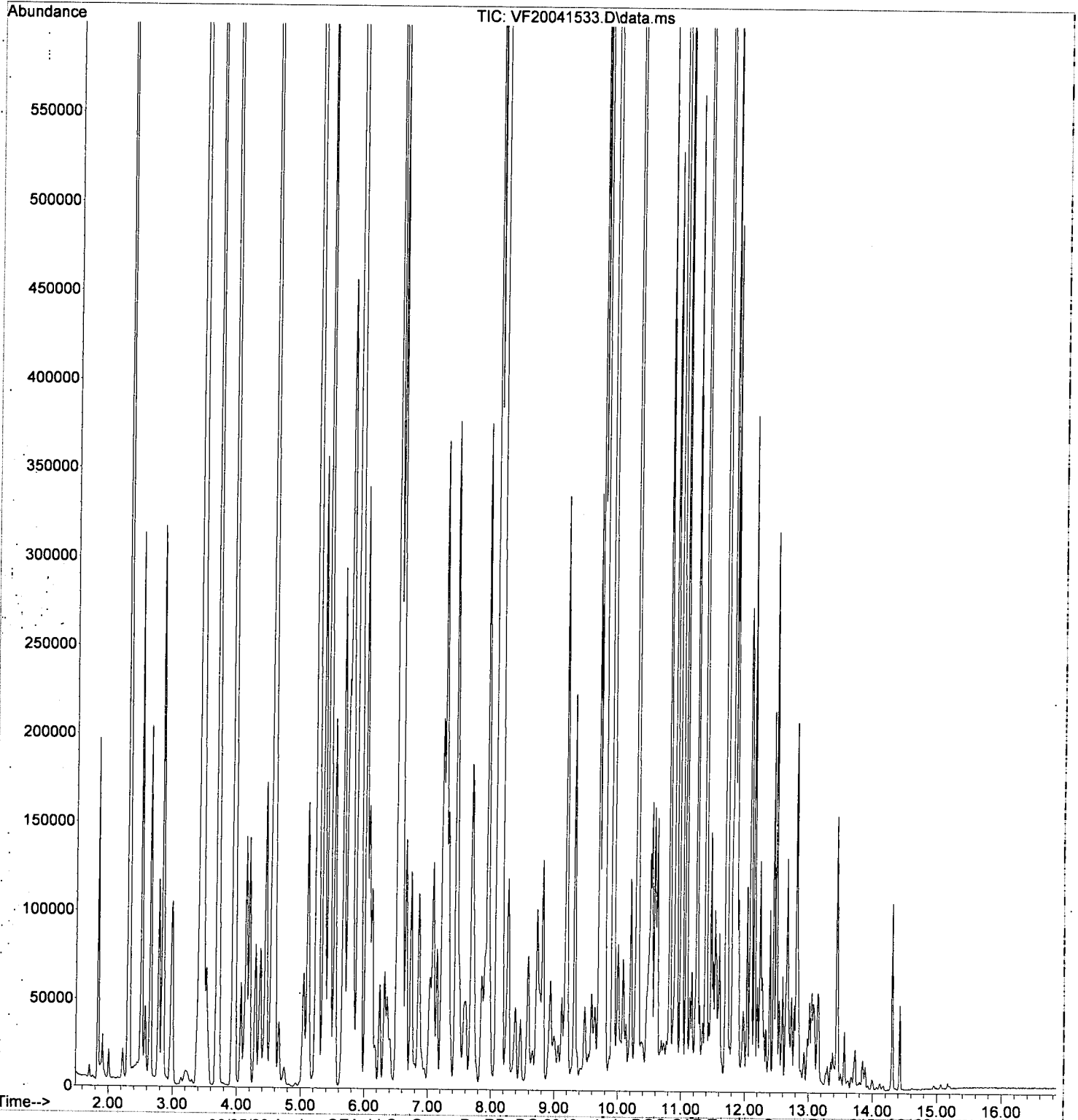
9.745min (0.000) 5803.41 ug/L m

response 59534585

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041533.D
Acq On : 16 Apr 2020 7:41 pm
Operator : tb
Sample : 0D15055-CALI
Misc : 1X 5000ppb 5mL DI+MeOH
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:27 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041534.D
 Acq On : 16 Apr 2020 8:08 pm
 Operator : tb
 Sample : 0D15055-CALJ
 Misc : 1X 10000ppb 5mL DI+MeOH
 ALS Vial : 34 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

4/17/20

Quant Time: Apr 17 13:55:32 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Pentafluorobenzene (IS)	6.025	168	247528	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.585	TIC	1381377	66.80	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.813	TIC	785895	49.14	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.742	TIC	1195139	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.088	TIC	1493508	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.701	TIC	1080312(m)	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	123690945m	12102.79	ug/L		
6) TPHg (C5-C9)	9.745	TIC	144417155m	10461.44	ug/L		
7) TPHg (C6-C10)	9.745	TIC	126441919m	10388.14	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	180228628m	11215.46	ug/L		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041534.D
 Acq On : 16 Apr 2020 8:08 pm
 Operator : tb
 Sample : 0D15055-CALJ
 Misc : 1X 10000ppb 5mL DI+MeOH
 ALS Vial : 34 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:29 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration

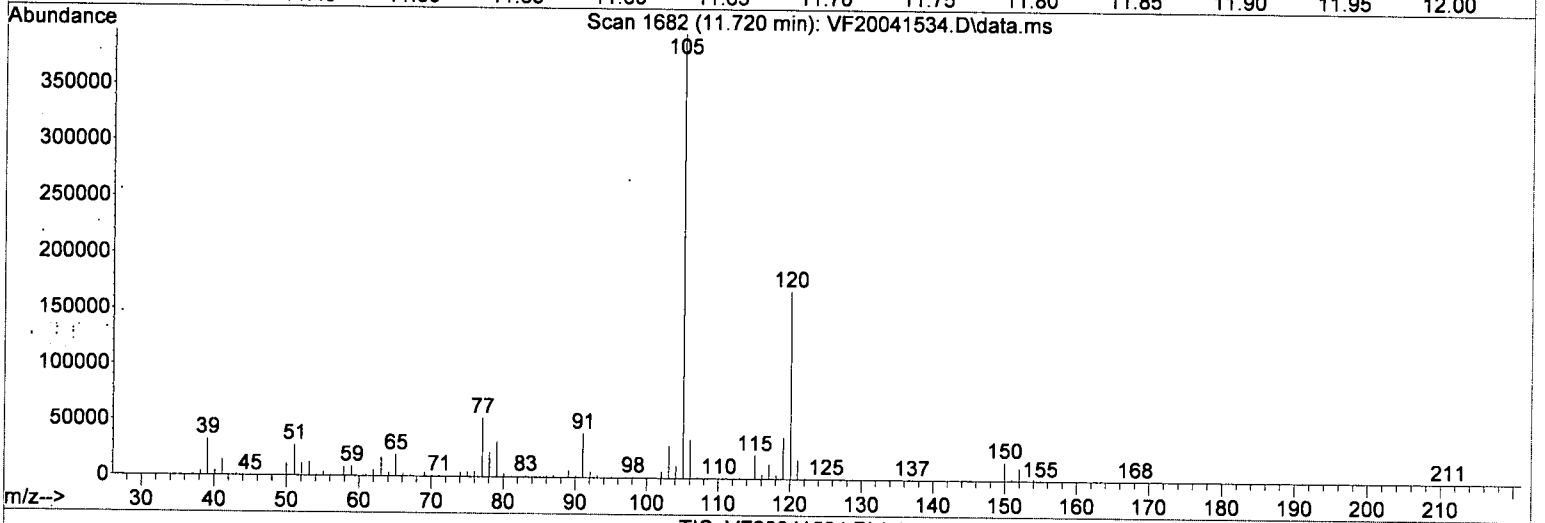
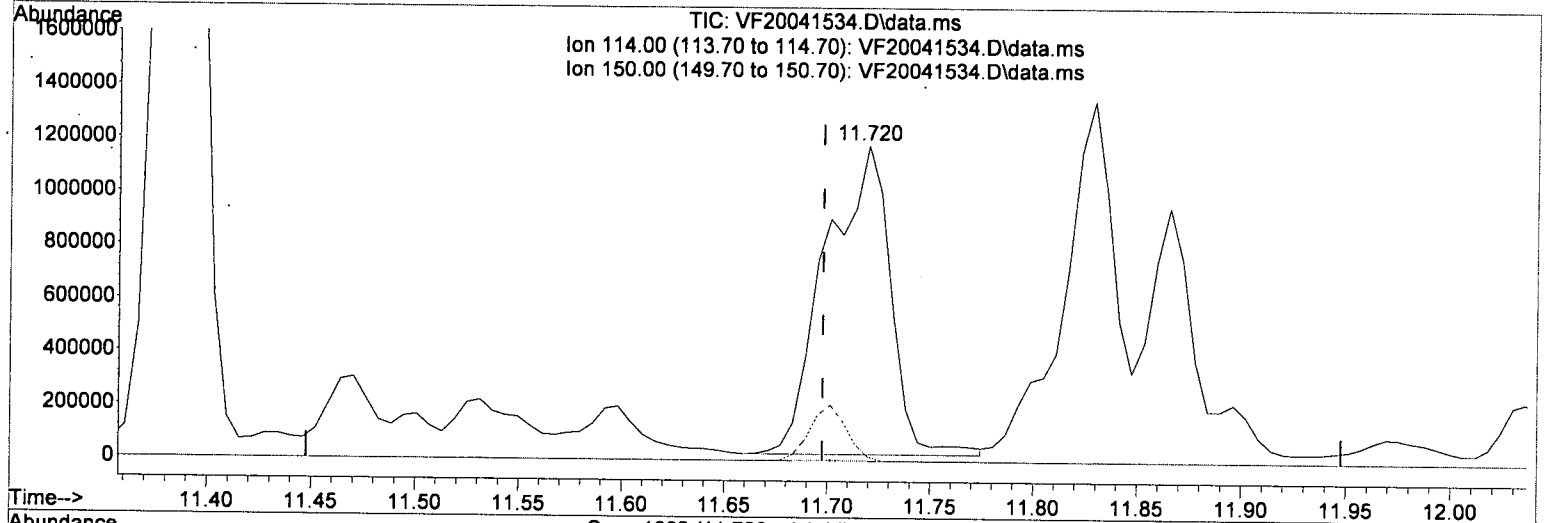
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.025	168	247528	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.585	TIC	1381377	66.80	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.813	TIC	785895	49.14	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.742	TIC	1195139	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.088	TIC	1493508	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.720	TIC	2531826	0.00	ug/L	0.02
Target Compounds						
5) NWTPH-Gx	9.745	TIC	122239431m	11960.77	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	144417155m	10461.44	ug/L	
7) TPHg (C6-C10)	9.745	TIC	126441919m	10288.14	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	178777114m	1125.13	ug/L	

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

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041534.D
 Acq On : 16 Apr 2020 8:08 pm
 Operator : tb
 Sample : 0D15055-CALJ
 Misc : 1X 10000ppb 5mL DI+MeOH
 ALS Vial : 34 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:29 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:51:48 2020
 Response via : Initial Calibration



(12) 1,4-Dichlorobenzene-d4 (NR) (S)

11.720min (+0.022) 0.00 ug/L

response 2531826

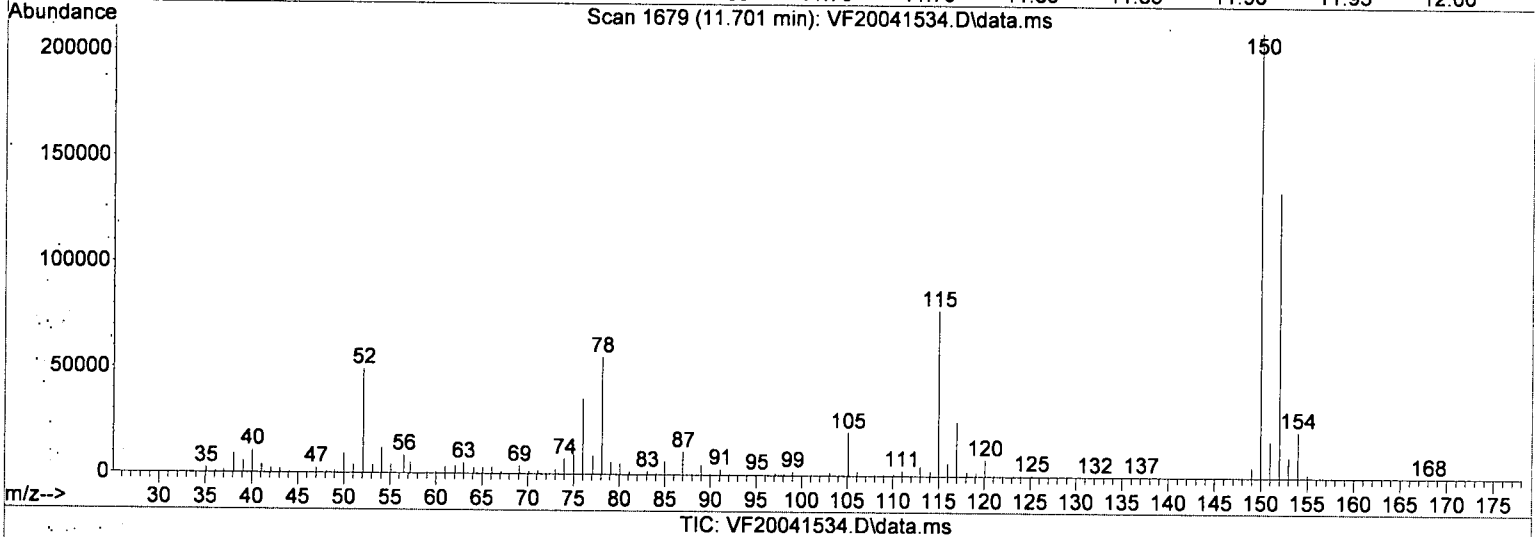
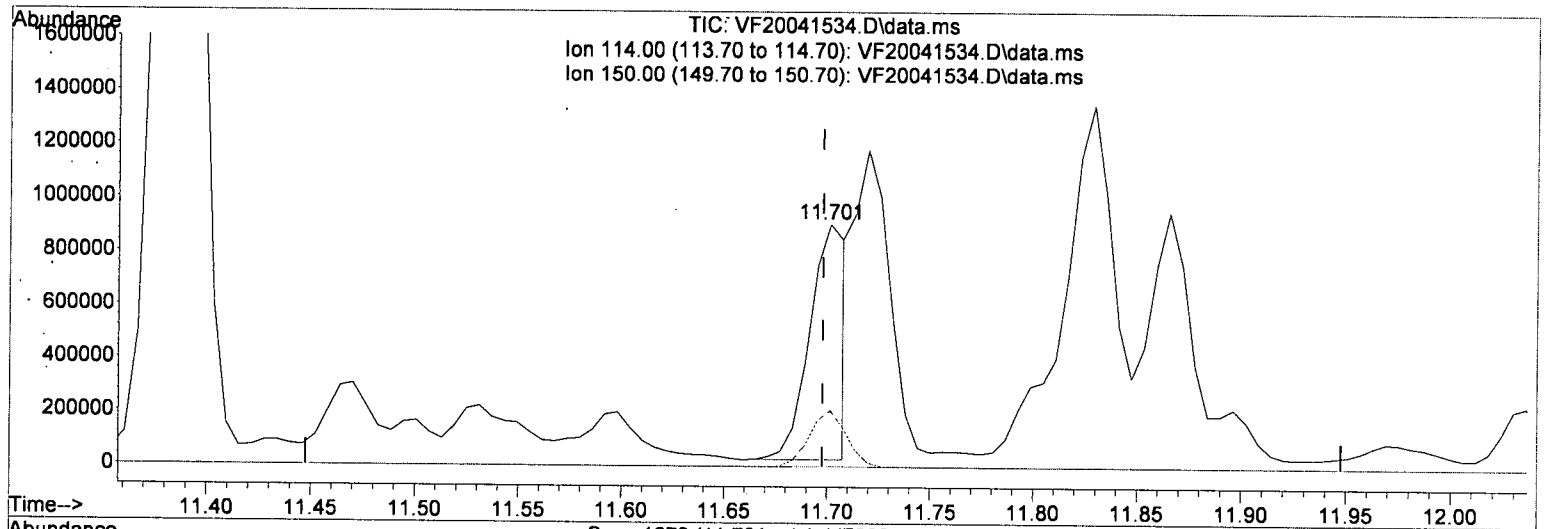
Signal	Exp%	Act%
TIC	100	100
114.00	0.20	0.00
150.00	24.00	10.53
0.00	0.00	0.00

MT

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041534.D
Acq On : 16 Apr 2020 8:08 pm
Operator : tb
Sample : 0D15055-CALJ
Misc : 1X 10000ppb 5mL DI+MeOH
ALS Vial : 34 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:29 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



(12) 1,4-Dichlorobenzene-d4 (NR) (S)

11.701min (+0.004) 0.00 ug/L m

response 1080312

Signal Exp% Act%

TIC 100 100

114.00 0.20 0.00

150.00 24.00 24.69

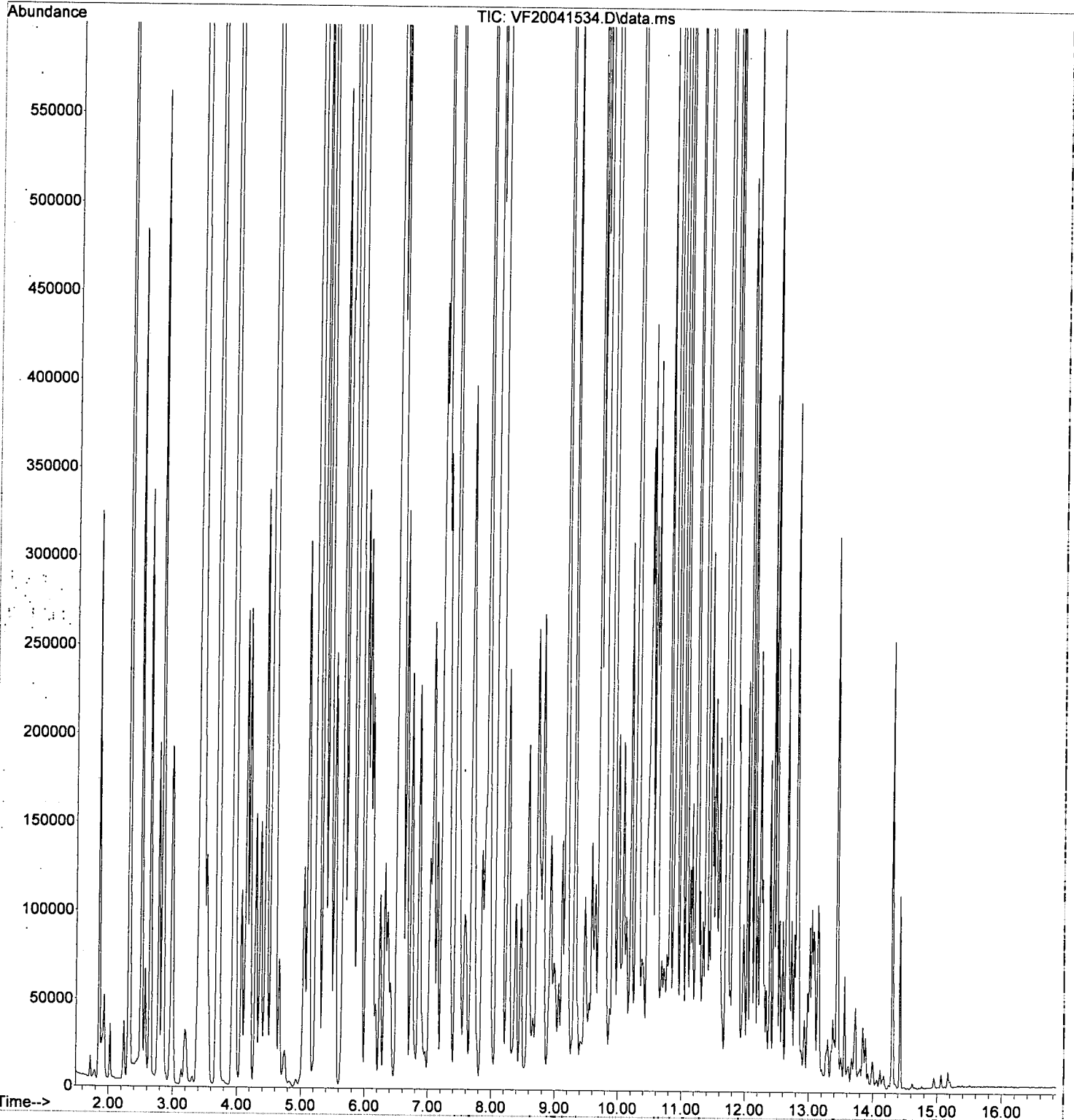
0.00 0.00 0.00

Handwritten signature and date: 4/17/20

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041534.D
Acq On : 16 Apr 2020 8:08 pm
Operator : tb
Sample : 0D15055-CALJ
Misc : 1X 10000ppb 5mL DI+MeOH
ALS Vial : 34 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 13:52:29 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:51:48 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041535.D
 Acq On : 16 Apr 2020 8:36 pm
 Operator : tb
 Sample : 0D15055-IBLA
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 35 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

NR

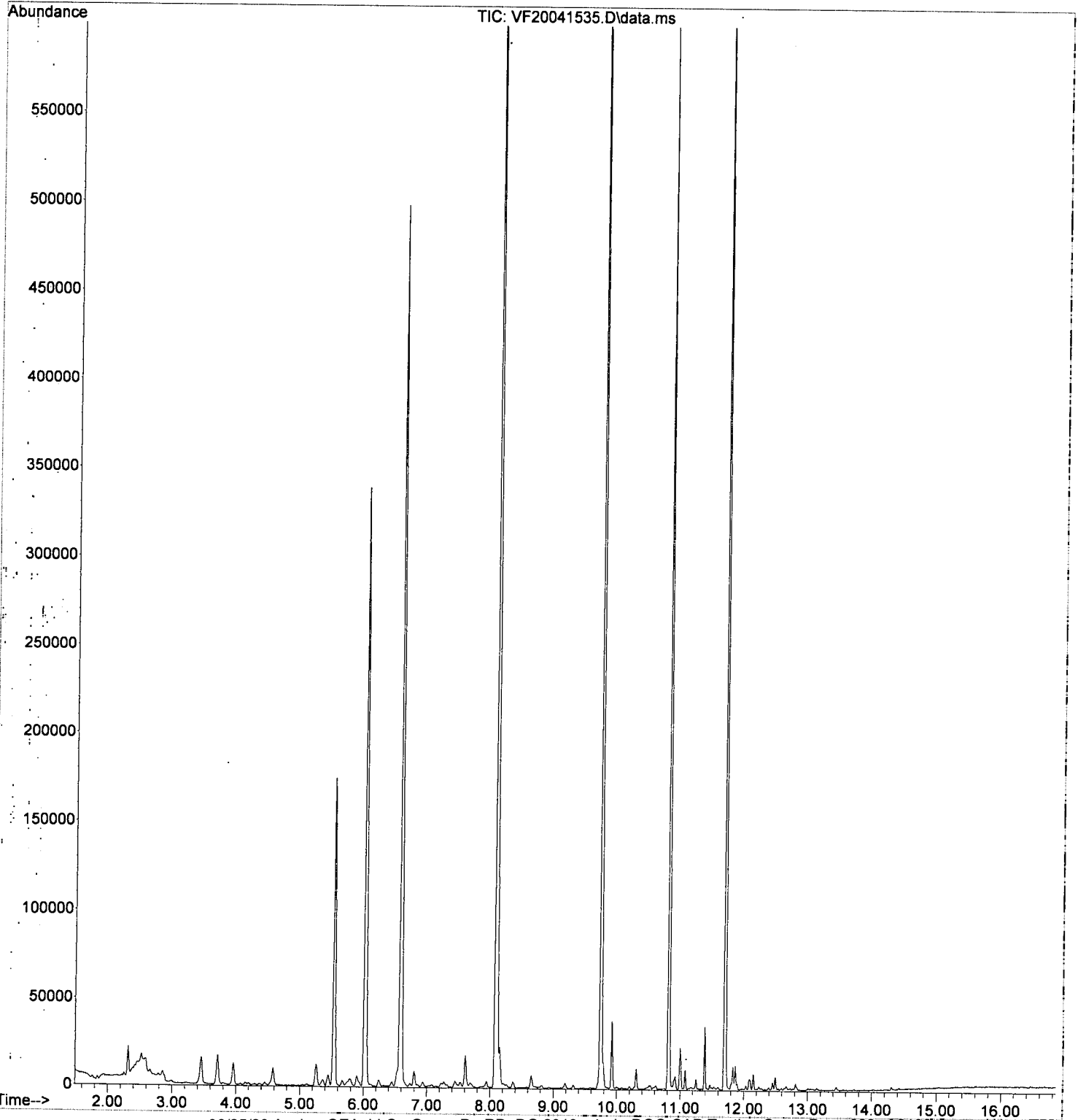
Quant Time: Apr 17 14:05:45 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (IS)	6.026	168	257096	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.586	TIC	1044473	45.00	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.814	TIC	847915	50.15	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.743	TIC	1183328	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.088	TIC	1416184	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.702	TIC	1076366	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	478733m	58.79	ug/L		Qvalue
6) TPHg (C5-C9)	9.745	TIC	915301m	46.84	ug/L		
7) TPHg (C6-C10)	9.745	TIC	755857m	41.44	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	1124664m	56.55	ug/L		

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041535.D
Acq On : 16 Apr 2020 8:36 pm
Operator : tb
Sample : 0D15055-IBLA
Misc : 1X 5mL DI+MeOH
ALS Vial : 35 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:45 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041536.D
 Acq On : 16 Apr 2020 9:03 pm
 Operator : tb
 Sample : 0D15055-IBLB
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 36 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:47 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

NR

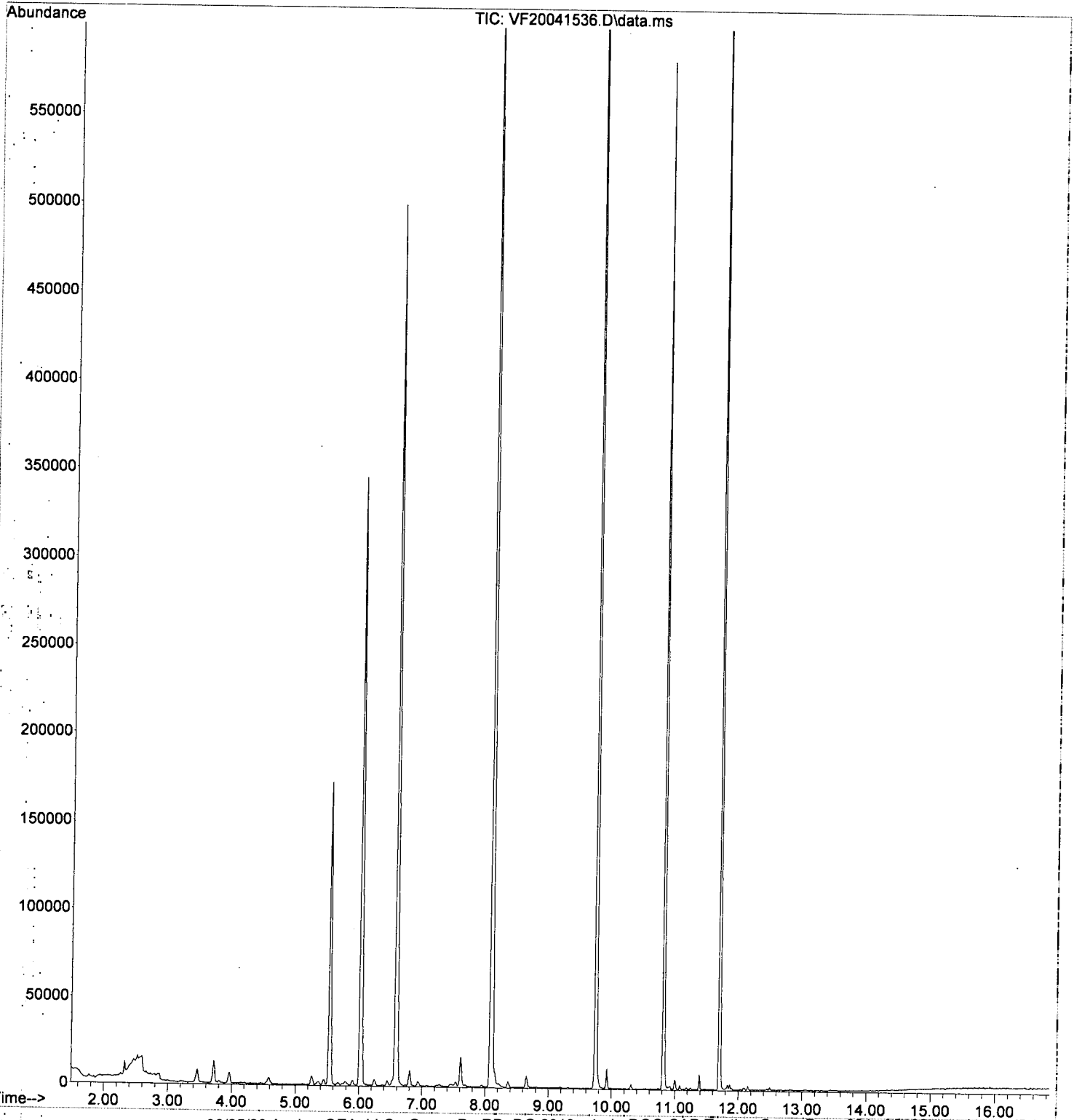
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.025	168	255405	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.585	TIC	1020943	44.28	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.813	TIC	828930	49.35	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.742	TIC	1151171	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.087	TIC	1405693	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.701	TIC	1040703	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	161238m	31.37	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	613013m	26.28	ug/L	
7) TPHg (C6-C10)	9.745	TIC	549965m	25.14	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	639184m	28.99	ug/L	

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041536.D
Acq On : 16 Apr 2020 9:03 pm
Operator : tb
Sample : 0D15055-IBLB
Misc : 1X 5mL DI+MeOH
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:47 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041537.D
 Acq On : 16 Apr 2020 9:30 pm
 Operator : tb
 Sample : 0D15055-ICV2
 Misc : 1X 500ppb 5mL DI+MeOH
 ALS Vial : 37 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:49 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

4/17/20

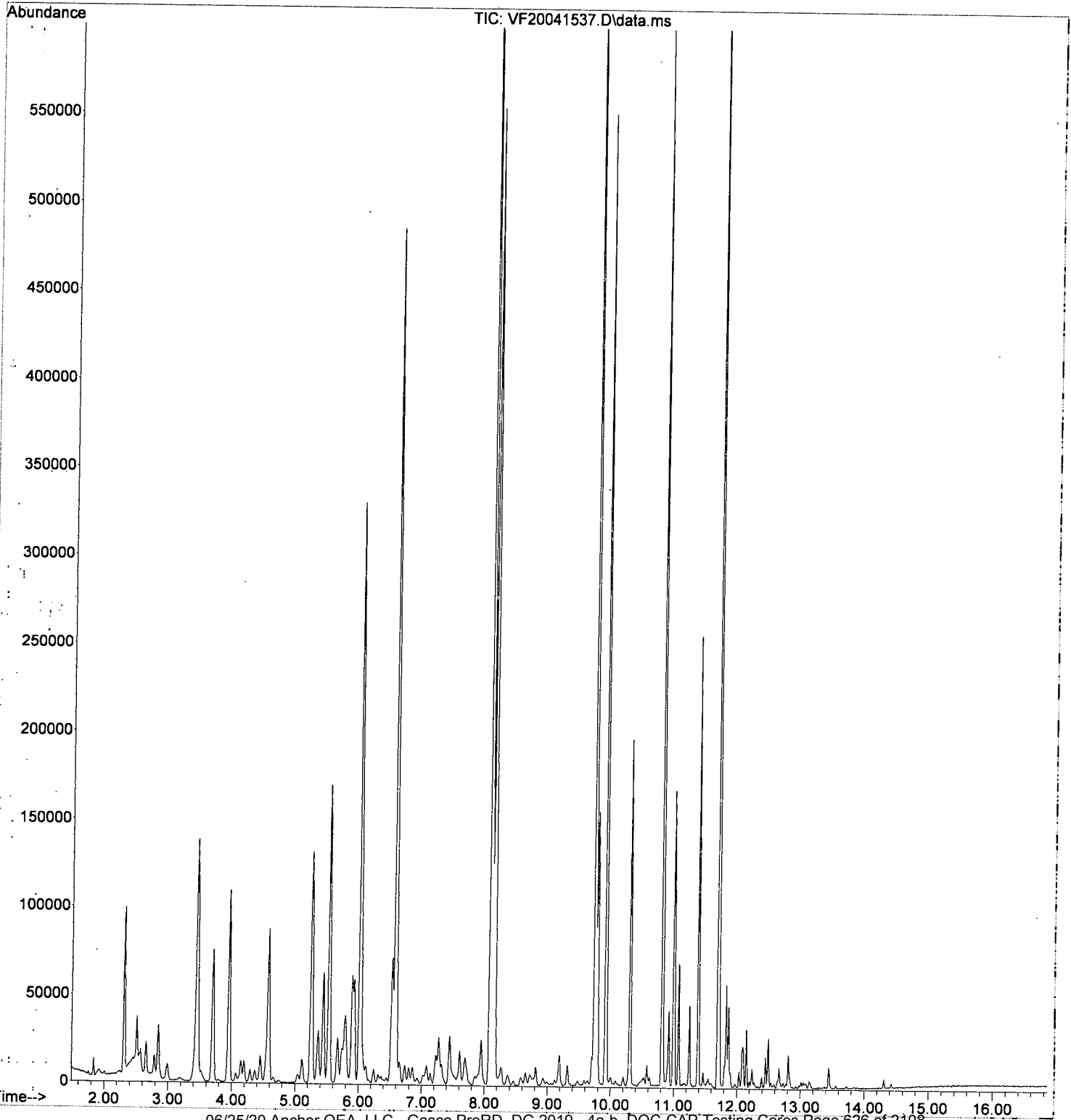
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Pentafluorobenzene (IS)	6.020	168	248181	50.00	ug/L	0.00	
System Monitoring Compounds							
2) 1,4-Difluorobenzene (Sur)	6.585	TIC	1015210	45.31	ug/L	0.00	
3) 4-Bromofluorobenzene (...)	10.813	TIC	829190	50.80	ug/L	0.00	
4) Chlorobenzene-d5 (NR)	9.743	TIC	1165396	0.00	ug/L	0.00	
10) Toluene-d8 (NR)	8.088	TIC	1394156	0.00	ug/L	0.00	
12) 1,4-Dichlorobenzene-d4...	11.702	TIC	1111960	0.00	ug/L	0.00	
Target Compounds							
5) NWTPH-Gx	9.745	TIC	4754809m	442.22	ug/L		Qvalue
6) TPHg (C5-C9)	9.745	TIC	6076529m	417.24	ug/L		
7) TPHg (C6-C10)	9.745	TIC	5392167m	429.75	ug/L		
8) CA-LUFT (C5-C12)	9.745	TIC	7259985m	421.69	ug/L		

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

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041537.D
Acq On : 16 Apr 2020 9:30 pm
Operator : tb
Sample : 0D15055-ICV2
Misc : 1X 500ppb 5mL DI+MeOH
ALS Vial : 37 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:49 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
 Data File : VF20041538.D
 Acq On : 16 Apr 2020 9:57 pm
 Operator : tb
 Sample : 0D15055-IBLC
 Misc : 1X 5mL DI+MeOH
 ALS Vial : 38 Sample Multiplier: 1
 DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:51 2020
 Quant Method : C:\msdchem\1\METHODS\VF200415G.M
 Quant Title : NWTPH-Gx by GC/MS
 QLast Update : Fri Apr 17 13:57:44 2020
 Response via : Initial Calibration

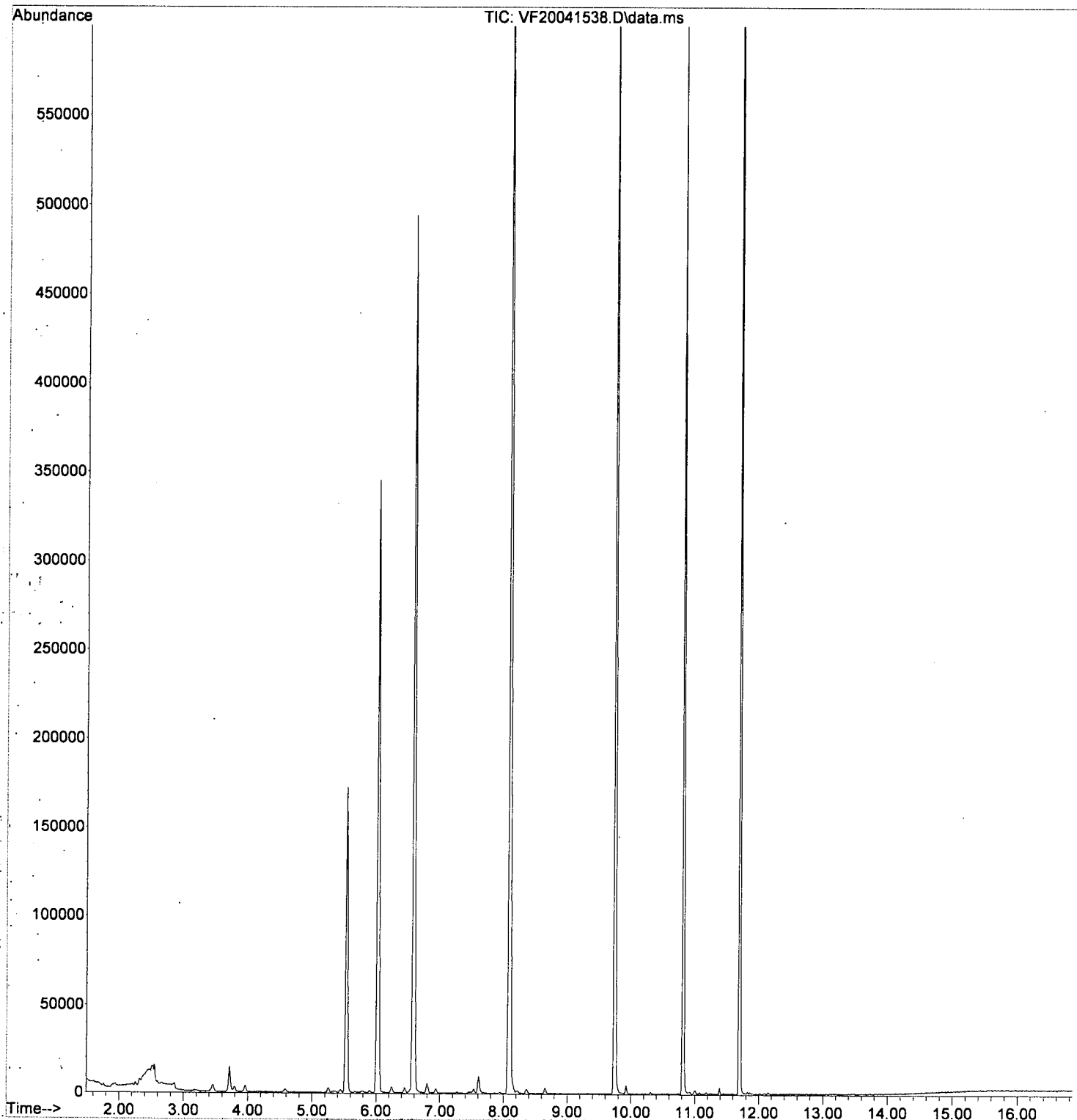
NR

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.023	168	252912	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.583	TIC	1021809	44.75	ug/L	0.00
3) 4-Bromofluorobenzene (...)	10.817	TIC	834870	50.19	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.740	TIC	1157837	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.091	TIC	1403197	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.699	TIC	1041412	0.00	ug/L	0.00
Target Compounds						
5) NWTPH-Gx	9.745	TIC	70271m	23.49	ug/L	Qvalue
6) TPHg (C5-C9)	9.745	TIC	531428m	20.98	ug/L	
7) TPHg (C6-C10)	9.745	TIC	451475m	17.51	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	531282m	23.07	ug/L	

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

Data Path : C:\msdchem\1\DATA\2020-04\0D15055\
Data File : VF20041538.D
Acq On : 16 Apr 2020 9:57 pm
Operator : tb
Sample : 0D15055-IBLC
Misc : 1X 5mL DI+MeOH
ALS Vial : 38 Sample Multiplier: 1
DataAcq Meth:VF1906RUN.M

Quant Time: Apr 17 14:05:51 2020
Quant Method : C:\msdchem\1\METHODS\VF200415G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Fri Apr 17 13:57:44 2020
Response via : Initial Calibration



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Batch 0050414
Sequence 0E14026 (A0D0763-06)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050414 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
	0050414-BLK1	QC	05/12/20 07:29	31	2				100					
	0050414-BS1	QC	05/12/20 07:29	30	2	A20E044		100	100					
	A0D0758-06RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.31	2				100	PDI-054SC-B-05-07-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK			
	A0D0758-08RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.01	2				100	PDI-060SC-A-03-04-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK			
	A0D0758-11RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.09	2				100	PDI-060SC-A-06-07-200428	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-12RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.54	2				100	PDI-060SC-A-07-08-200428	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-13RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.04	2				100	PDI-060SC-A-08-09-200428	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-14RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.33	2				100	PDI-060SC-A-09-10-200428	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-15RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.08	2				100	PDI-060SC-B-00-02-200428	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-16RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.08	2				100	PDI-060SC-B-02-04-200428	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-17RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.26	2				100	PDI-060SC-B-04-06-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0758-18RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.2	2				100	PDI-060SC-B-06-08-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-01RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.11	2				100	PDI-061SC-A-03-04-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-02RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.01	2				100	PDI-061SC-A-04-05-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-03RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.28	2				100	PDI-061SC-A-05-06-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-04RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.03	2				100	PDI-061SC-A-06-07-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-05RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30.38	2				100	PDI-061SC-A-07-08-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-06	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30.23	2				100	PDI-061SC-A-08-09-200428	+1262,1268			
	0050414-DUP1	QC	05/12/20 07:29	30.26	2		A0D0763-06		100					

Prepared By: _____ Date _____

[Signature]
Reviewed By: _____ Date 5/19/20

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050414 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
	A0D0763-07	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30.5	2				100	PDI-061SC-A-09-9.9-200428	+1262,1268			
	A0D0763-08	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30.12	2				100	PDI-061SC-B-00-02-200428	+1262,1268			
	A0D0763-09	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30.48	2				100	PDI-061SC-B-02-04-200428	+1262,1268			
	A0E0004-13RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30.33	5				100	PDI-072SC-B-04-06-200430	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	0050414-MSI	QC	05/12/20 07:29	30.32	5	A20E044	A0E0004-13RE1	100	100					
	0050414-MSDI	QC	05/12/20 07:31	30.33	5	A20E044	A0E0004-13RE1	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A19I211	05/07/22	Copper, Granular Lot# J260003
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20D178	10/10/22	Sodium Sulfate Lot # 195259
A20E020	10/31/22	DCM CHEM PROD. 197898

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E044	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20D453	09/20/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050414 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	0050414-BLKI	QC	05/12/20 07:29	30.31	2 ✓				100					
	0050414-BS1	QC	05/12/20 07:29	30	2 ✓	A20E044		100	100					
	A0D0758-06RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.31	2 ✓				100	PDI-054SC-B-05-07-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK mud (SOP)			
	A0D0758-08RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.01	2 ✓				100	PDI-060SC-A-03-04-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK mud (SOP)			
	A0D0758-11RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.09	2 ✓				100	PDI-060SC-A-06-07-200428	Batch QC Failure. Added 5/11/2020 By KAK mud			
	A0D0758-12RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.54	2 ✓				100	PDI-060SC-A-07-08-200428	Batch QC Failure. Added 5/11/2020 By KAK mud			
	A0D0758-13RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.04	2 ✓				100	PDI-060SC-A-08-09-200428	Batch QC Failure. Added 5/11/2020 By KAK mud (SOP)			
	A0D0758-14RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.33	2 ✓				100	PDI-060SC-A-09-10-200428	Batch QC Failure. Added 5/11/2020 By KAK mud			
	A0D0758-15RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.08	2 ✓				100	PDI-060SC-B-00-02-200428	Batch QC Failure. Added 5/11/2020 By KAK mud (SOP)			
	A0D0758-16RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.08	2 ✓				100	PDI-060SC-B-02-04-200428	Batch QC Failure. Added 5/11/2020 By KAK mud (SOP)			
	A0D0758-17RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.26	2 ✓				100	PDI-060SC-B-04-06-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud (SOP)			
	A0D0758-18RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.20	2 ✓				100	PDI-060SC-B-06-08-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud			
	A0D0763-01RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.11	2 ✓				100	PDI-061SC-A-03-04-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud			
	A0D0763-02RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.01	2 ✓				100	PDI-061SC-A-04-05-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud			
	A0D0763-03RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.28	2 ✓				100	PDI-061SC-A-05-06-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud			
	A0D0763-04RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.03	2 ✓				100	PDI-061SC-A-06-07-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud			
	A0D0763-05RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:29	30 30.33	2 ✓				100	PDI-061SC-A-07-08-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK mud			
	A0D0763-06	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30 30.23	2 ✓				100	PDI-061SC-A-08-09-200428	+1262,1268 mud			
	0050414-DUP1	QC	05/12/20 07:29	30 30.26	2 ✓		A0D0763-06		100		mud			

Prepared By: Jag Date: 5/12/2020
 Reviewed By: CAS Date: 05/12/2020
CAM 5/12/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050414 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	A0D0763-07	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30 30.50	2	/			100	PDI-061SC-A-09-9.9-200428	+1262,1268 Mud			
	A0D0763-08	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30 30.12	2	/			100	PDI-061SC-B-00-02-200428	+1262,1268 Mud			
	A0D0763-09	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30 30.48	2	/			100	PDI-061SC-B-02-04-200428	+1262,1268 Mud			
	A0E0004-13RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 07:31	30 30.33	2.5	/			100	PDI-072SC-B-04-06-200430	Batch QC Failure. Re-extract added 5/11/2020 by KAK Mud			
	0050414-MS1	QC	05/12/20 07:29	30.32	2.5	A20E044	A0E0004-13RE1	100	100		Mud			
	0050414-MSD1	QC	05/12/20 07:31	30.33	2.5	A20E044	A0E0004-13RE1	100	100		Mud			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A19I211	05/07/22	Copper, Granular Lot# J260003
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20D012	09/28/21	DCM CHEM PROD. DY141-US
A20D178	10/10/22	Sodium Sulfate Lot # 195259
A20E020		DCM CHEM PROD 197898

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E044	11/06/20	8082 PCB Matrix Spike

JAG

Surrogate(s)

Std ID	Exp. Date	Description
A20D453	09/20/20	8082 PCB Surrogate Spike

JAG

Method 3546 digestion time and temperature achieved.

Initial: JAG

Witness: CAM 5/12/20

CAM
05/12/20

Ⓢ = staining

Ⓟ = precipitate formed during concentration/solvent exchange

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E14026

Instrument: DUALECD2F

Date: 05/14/20 06:14

Calibration: A0D2707

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E14026-CCV1	Sediment	QC	QC				A20D197
2	0E14026-CCB1	Sediment	QC	QC				A20D303
3	0050414-BLK1	Sediment	QC	QC		0050414		
4	0050414-BS1	Sediment	QC	QC		0050414		
5	A0D0763-06	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
6	0E14026-IBL1	Sediment	QC	QC				
7	0050414-DUP1	Sediment	QC	QC		0050414		
8	0E14026-IBL2	Sediment	QC	QC				
9	A0E0004-13RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/13/20	0050414		
10	0E14026-IBL3	Sediment	QC	QC				
11	0050414-MS1	Sediment	QC	QC		0050414		
12	0E14026-IBL4	Sediment	QC	QC				
13	0050414-MSD1	Sediment	QC	QC		0050414		
14	0E14026-IBL5	Sediment	QC	QC				
15	0E14026-CCV2	Sediment	QC	QC				A20D197
16	0E14026-CCB2	Sediment	QC	QC				A20D303

Data Entered By: *[Signature]* 5/14/20

Comments:

Data Reviewed By: *[Signature]* 5/14/20
6/25/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 634 of 2108

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.

0E14026-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	436.62
1016 (2)	472.15
1016 (3)	457.67
1016 (4)	438.25
1016 (5)	440.10
1016 (6)	466.39
Average:	451.86

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	461.01
1260 (2)	459.49
1260 (3)	470.47
1260 (4)	465.47
1260 (5)	453.24
1260 (6)	457.01
Average:	461.12

0050414-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	829.94
1016 (2)	922.22
1016 (3)	822.77
1016 (4)	858.05
1016 (5)	842.48
1016 (6)	861.61
Average:	856.18

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	931.38
1260 (2)	984.94
1260 (3)	954.20
1260 (4)	1,077.69
1260 (5)	969.62
1260 (6)	997.85
Average:	985.95

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.

0050414-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	285.79
1016 (2)	403.48
1016 (3)	364.11
1016 (4)	489.00
1016 (5)	781.88
1016 (6)	606.08
Average:	488.39

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	∅ 425.11
1260 (2)	∅ 422.85
1260 (3)	371.88
1260 (4)	429.41
1260 (5)	411.24
1260 (6)	359.49
Average:	403.33 393.005

MS
5/14/20

0050414-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	312.72
1016 (2)	397.58
1016 (3)	358.92
1016 (4)	488.09
1016 (5)	829.39
1016 (6)	595.69
Average:	497.07

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	∅ 426.03
1260 (2)	∅ 445.32
1260 (3)	375.94
1260 (4)	410.86
1260 (5)	390.88
1260 (6)	363.29
Average:	402.05 385.2A

MS
5/14/20

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.

0E14026-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	467.74
1016 (2)	488.50
1016 (3)	461.18
1016 (4)	456.03
1016 (5)	441.00
1016 (6)	429.47
Average:	457.32

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	414.51
1260 (2)	404.89
1260 (3)	392.47
1260 (4)	437.81
1260 (5)	399.10
1260 (6)	376.26
Average:	404.17

Data Path : K:\DATA\0E14026\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 8:12 am
 Operator : MJB / KAK
 Sample : 0E14026-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:01:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/14/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.815	41993450	226.735 ng/ml
64) S DCBP (S)	9.584	41316831	231.887 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.735	2855091	436.615 ng/ml
3) Aroclor 1016 (2)	6.149	6116460	472.147 ng/ml
4) Aroclor 1016 (3)	6.229	3264144	457.667 ng/ml
5) Aroclor 1016 (4)	6.387	2571646	438.252 ng/ml
6) Aroclor 1016 (5)	6.609	3097501	440.098 ng/ml
7) Aroclor 1016 (6)	6.736	2250075	466.393 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.172	917251	421.161 ng/ml
10) Aroclor 1221 (2)	5.293	338835	229.729 ng/ml
11) Aroclor 1221 (3)	5.375	1548034	319.382 ng/ml
12) Aroclor 1221 (4)	5.845	349903	400.604 ng/ml
13) Aroclor 1221 (5)	6.149	6116460	6514.093 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.375	1548034	418.230 ng/ml
16) Aroclor 1232 (2)	6.149	6116460	1204.479 ng/ml
17) Aroclor 1232 (3)	6.229	3264144	1168.656 ng/ml
18) Aroclor 1232 (4)	6.387	2571646	1377.779 ng/ml
19) Aroclor 1232 (5)	6.609	3097501	1252.957 ng/ml
20) Aroclor 1232 (6)	6.736	2250075	1123.280 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.735	2855091	579.475 ng/ml
23) Aroclor 1242 (2)	6.149	6116460	601.742 ng/ml
24) Aroclor 1242 (3)	6.229	3264144	608.985 ng/ml
25) Aroclor 1242 (4)	6.387	2571646	633.181 ng/ml
26) Aroclor 1242 (5)	6.609	3097501	600.253 ng/ml
27) Aroclor 1242 (6)	6.736	2250075	538.855 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.149	6116460	1033.472 ng/ml
30) Aroclor 1248 (2)	6.387	2571646	366.585 ng/ml
31) Aroclor 1248 (3)	6.609	3097501	366.522 ng/ml
32) Aroclor 1248 (4)	6.904	617947	61.428 ng/ml
33) Aroclor 1248 (5)	6.937	2163135	212.332 ng/ml
34) Aroclor 1248 (6)	7.425	4384773	792.646 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.937	2163135	212.958 ng/ml
37) Aroclor 1254 (2)	7.047	2302690	186.727 ng/ml
38) Aroclor 1254 (3)	7.425	4384773	243.028 ng/ml
39) Aroclor 1254 (4)	7.583	667947	51.629 ng/ml
40) Aroclor 1254 (5)	7.964	6143387	477.233 ng/ml
41) Aroclor 1254 (6)	8.257	663052	156.117 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.537	6114039	461.007 ng/ml
44) Aroclor 1260 (2)	7.670	7699317	459.494 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 8:12 am
 Operator : MJB / KAK
 Sample : 0E14026-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:01:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.226	5878851	470.470 ng/ml
46)	Aroclor 1260 (4)	8.396	13102012	465.473 ng/ml
47)	Aroclor 1260 (5)	8.695	8583028	453.236 ng/ml
48)	Aroclor 1260 (6)	9.086	3669899	457.007 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.670	7699317	604.633 ng/ml
51)	Aroclor 1262 (2)	7.994	5850599	333.049 ng/ml
52)	Aroclor 1262 (3)	8.226	5878851	387.273 ng/ml
53)	Aroclor 1262 (4)	8.396	13102012	415.341 ng/ml
54)	Aroclor 1262 (5)	8.695	8583028	442.504 ng/ml
55)	Aroclor 1262 (6)	9.086	3669899	339.731 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.226	5878851	683.652 ng/ml
58)	Aroclor 1268 (2)	8.643	3121411	83.857 ng/ml
59)	Aroclor 1268 (3)	8.695	8583028	262.132 ng/ml
60)	Aroclor 1268 (4)	8.872	337147	11.400 ng/ml
61)	Aroclor 1268 (5)	9.086	3669899	312.511 ng/ml
62)	Aroclor 1268 (6)	9.346	868211	10.445 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

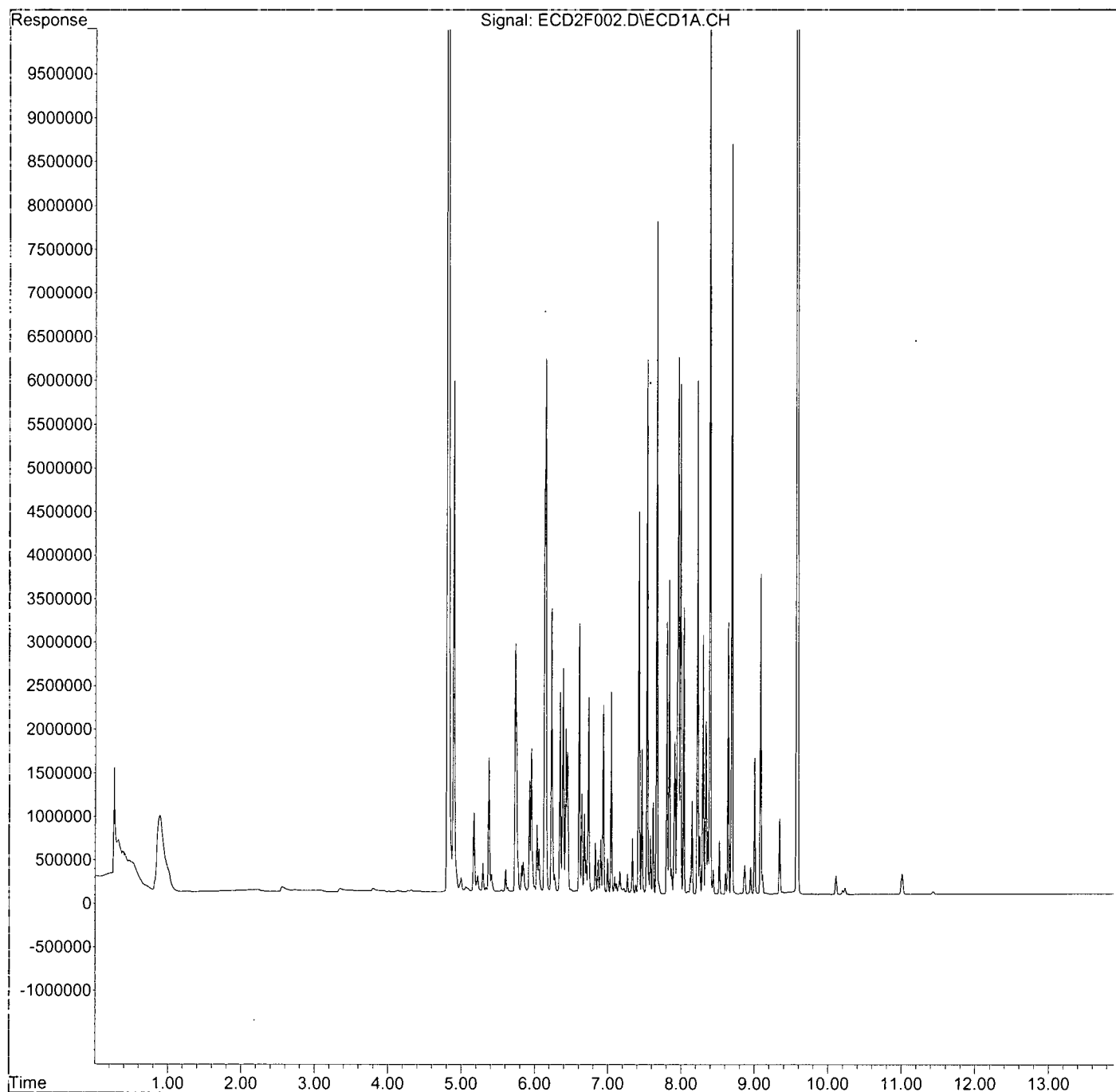
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 8:12 am
Operator : MJB / KAK
Sample : 0E14026-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 11:01:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 8:29 am
 Operator : MJB / KAK
 Sample : 0E14026-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:03:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 5/14/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.815	15861889	85.643 ng/ml
64) S DCBP (S)	9.582	15320834	85.987 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	18766	2.870 ng/ml
3) Aroclor 1016 (2)	6.163	32120	2.479 ng/ml
4) Aroclor 1016 (3)	6.242	26060	3.654 ng/ml
5) Aroclor 1016 (4)	6.387	24728	4.214 ng/ml
6) Aroclor 1016 (5)	6.617	21454	3.048 ng/ml
7) Aroclor 1016 (6)	6.739	19503	4.042 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.169	312138	143.320 ng/ml
10) Aroclor 1221 (2)	5.302	12158	8.243 ng/ml
11) Aroclor 1221 (3)	5.365	24753	5.107 ng/ml
12) Aroclor 1221 (4)	5.847	19878	22.759 ng/ml
13) Aroclor 1221 (5)	6.163	32120	34.208 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.365	24753	6.688 ng/ml
16) Aroclor 1232 (2)	6.163	32120	6.325 ng/ml
17) Aroclor 1232 (3)	6.242	26060	9.330 ng/ml
18) Aroclor 1232 (4)	6.387	24728	13.248 ng/ml
19) Aroclor 1232 (5)	6.617	21454	8.678 ng/ml
20) Aroclor 1232 (6)	6.739	19503	9.736 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.729	18766	3.809 ng/ml
23) Aroclor 1242 (2)	6.163	32120	3.160 ng/ml
24) Aroclor 1242 (3)	6.242	26060	4.862 ng/ml
25) Aroclor 1242 (4)	6.387	24728	6.089 ng/ml
26) Aroclor 1242 (5)	6.617	21454	4.158 ng/ml
27) Aroclor 1242 (6)	6.739	19503	4.671 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.163	32120	5.427 ng/ml
30) Aroclor 1248 (2)	6.387	24728	3.525 ng/ml
31) Aroclor 1248 (3)	6.617	21454	2.539 ng/ml
32) Aroclor 1248 (4)	6.906	14888	1.480 ng/ml
33) Aroclor 1248 (5)	6.938	15265	1.498 ng/ml
34) Aroclor 1248 (6)	7.424	12641	2.285 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.938	15265	1.503 ng/ml
37) Aroclor 1254 (2)	7.047	14129	1.146 ng/ml
38) Aroclor 1254 (3)	7.424	12641	0.701 ng/ml
39) Aroclor 1254 (4)	7.584	6697	0.518 ng/ml
40) Aroclor 1254 (5)	7.973	27126	2.107 ng/ml
41) Aroclor 1254 (6)	8.255	8395	1.977 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.536	7984	0.602 ng/ml
44) Aroclor 1260 (2)	7.668	9105	0.543 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 8:29 am
 Operator : MJB / KAK
 Sample : 0E14026-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:03:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.223	11081	0.887 ng/ml
46) Aroclor 1260 (4)	8.390	33612	1.194 ng/ml
47) Aroclor 1260 (5)	8.695	13660	0.721 ng/ml
48) Aroclor 1260 (6)	9.086	17097	2.129 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.668	9105	0.715 ng/ml
51) Aroclor 1262 (2)	7.973	27126	1.544 ng/ml
52) Aroclor 1262 (3)	8.223	11081	0.730 ng/ml
53) Aroclor 1262 (4)	8.390	33612	1.066 ng/ml
54) Aroclor 1262 (5)	8.695	13660	0.704 ng/ml
55) Aroclor 1262 (6)	9.086	17097	1.583 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.223	11081	1.289 ng/ml
58) Aroclor 1268 (2)	8.642	8153	0.219 ng/ml
59) Aroclor 1268 (3)	8.695	13660	0.417 ng/ml
60) Aroclor 1268 (4)	8.873	82097	2.776 ng/ml
61) Aroclor 1268 (5)	9.086	17097	1.456 ng/ml
62) Aroclor 1268 (6)	9.345	52521	0.632 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

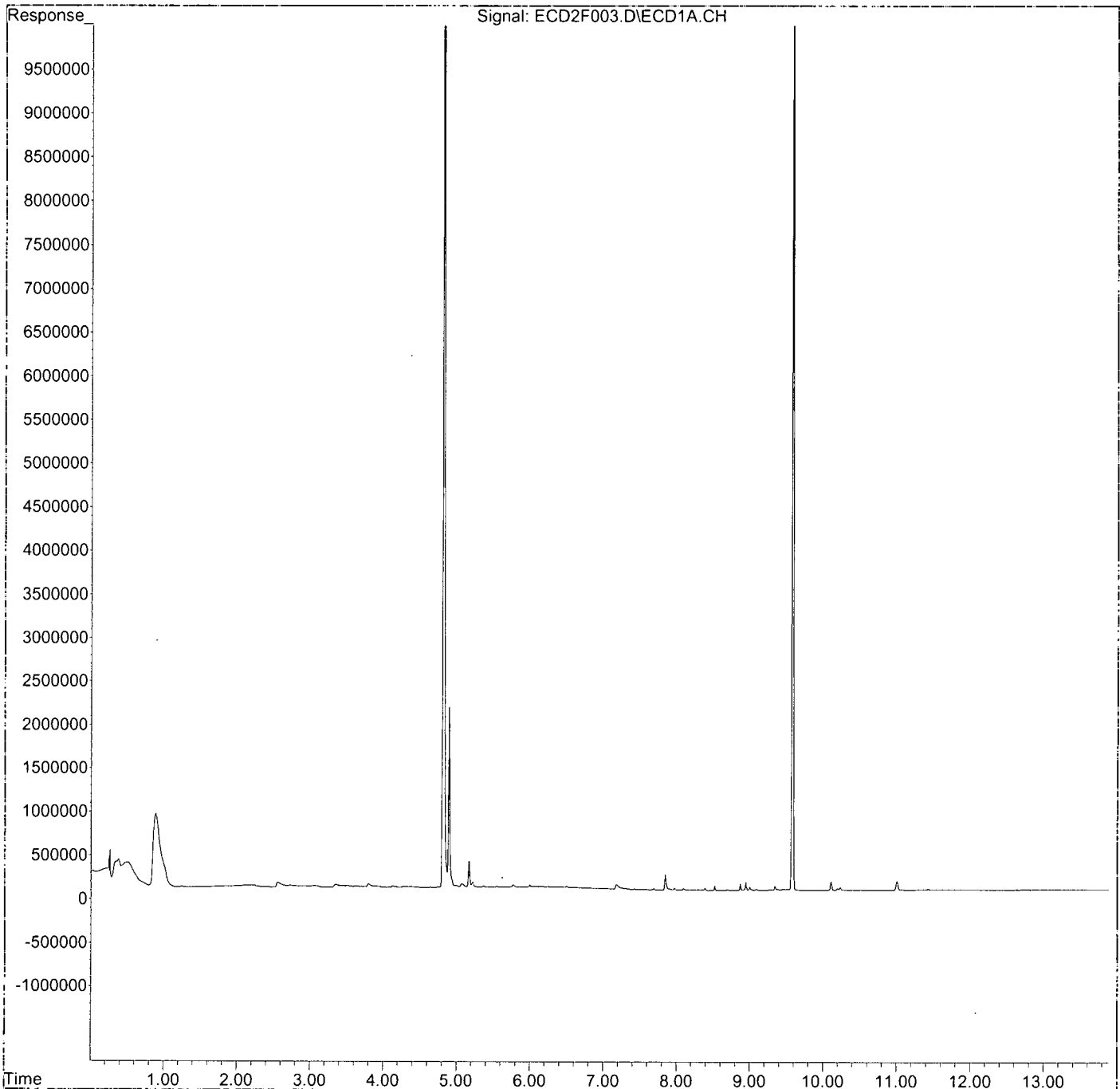
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 8:29 am
Operator : MJB / KAK
Sample : 0E14026-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 11:03:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 9:26 am
 Operator : MJB / KAK
 Sample : 0050414-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:03:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/14/20
Jean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.822	31921801	172.355 ng/ml
64) S DCBP (S)	9.591	34452619	193.362 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.727	26377	4.034 ng/ml
3) Aroclor 1016 (2)	6.144	32473	2.507 ng/ml
4) Aroclor 1016 (3)	6.225	26574	3.726 ng/ml
5) Aroclor 1016 (4)	6.383	24503	4.176 ng/ml
6) Aroclor 1016 (5)	6.611	20613	2.929 ng/ml
7) Aroclor 1016 (6)	6.742	18544	3.844 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.175	625437	287.173 ng/ml
10) Aroclor 1221 (2)	5.305	15630	10.597 ng/ml
11) Aroclor 1221 (3)	5.369	33575	6.927 ng/ml
12) Aroclor 1221 (4)	5.851	22165	25.377 ng/ml
13) Aroclor 1221 (5)	6.144	32473	34.584 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.369	33575	9.071 ng/ml
16) Aroclor 1232 (2)	6.144	32473	6.395 ng/ml
17) Aroclor 1232 (3)	6.225	26574	9.514 ng/ml
18) Aroclor 1232 (4)	6.383	24503	13.128 ng/ml
19) Aroclor 1232 (5)	6.611	20613	8.338 ng/ml
20) Aroclor 1232 (6)	6.742	18544	9.258 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.727	26377	5.354 ng/ml
23) Aroclor 1242 (2)	6.144	32473	3.195 ng/ml
24) Aroclor 1242 (3)	6.225	26574	4.958 ng/ml
25) Aroclor 1242 (4)	6.383	24503	6.033 ng/ml
26) Aroclor 1242 (5)	6.611	20613	3.995 ng/ml
27) Aroclor 1242 (6)	6.742	18544	4.441 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.144	32473	5.487 ng/ml
30) Aroclor 1248 (2)	6.383	24503	3.493 ng/ml
31) Aroclor 1248 (3)	6.611	20613	2.439 ng/ml
32) Aroclor 1248 (4)	6.896	13272	1.319 ng/ml
33) Aroclor 1248 (5)	6.937	16235	1.594 ng/ml
34) Aroclor 1248 (6)	7.431	13837	2.501 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.937	16235	1.598 ng/ml
37) Aroclor 1254 (2)	7.051	15104	1.225 ng/ml
38) Aroclor 1254 (3)	7.431	13837	0.767 ng/ml
39) Aroclor 1254 (4)	7.587	5345	0.413 ng/ml
40) Aroclor 1254 (5)	7.980	33692	2.617 ng/ml
41) Aroclor 1254 (6)	8.261	2983	0.702 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.543	10786	0.813 ng/ml
44) Aroclor 1260 (2)	7.673	11086	0.662 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 9:26 am
 Operator : MJB / KAK
 Sample : 0050414-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:03:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.229	10596	0.848 ng/ml
46)	Aroclor 1260 (4)	8.397	38881	1.381 ng/ml
47)	Aroclor 1260 (5)	8.701	16352	0.863 ng/ml
48)	Aroclor 1260 (6)	9.093	22695	2.826 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.673	11086	0.871 ng/ml
51)	Aroclor 1262 (2)	7.980	33692	1.918 ng/ml
52)	Aroclor 1262 (3)	8.229	10596	0.698 ng/ml
53)	Aroclor 1262 (4)	8.397	38881	1.233 ng/ml
54)	Aroclor 1262 (5)	8.701	16352	0.843 ng/ml
55)	Aroclor 1262 (6)	9.093	22695	2.101 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.229	10596	1.232 ng/ml
58)	Aroclor 1268 (2)	8.649	12653	0.340 ng/ml
59)	Aroclor 1268 (3)	8.701	16352	0.499 ng/ml
60)	Aroclor 1268 (4)	8.879	628546	21.253 ng/ml
61)	Aroclor 1268 (5)	9.093	22695	1.933 ng/ml
62)	Aroclor 1268 (6)	9.352	1217134	14.643 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

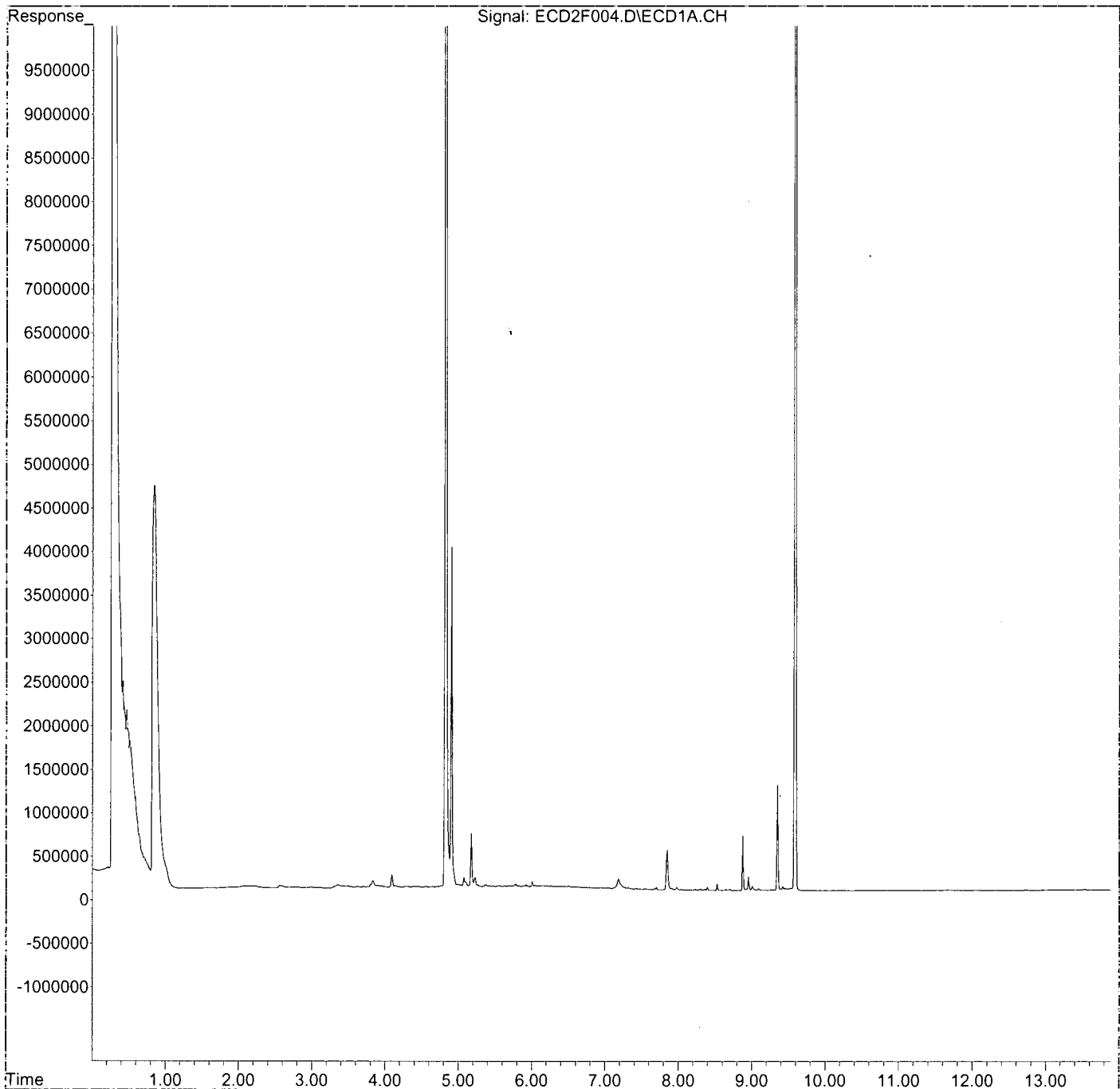
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 9:26 am
Operator : MJB / KAK
Sample : 0050414-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 11:03:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 9:44 am
 Operator : MJB / KAK
 Sample : 0050414-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:04:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/14/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.817	32727389	176.705 ng/ml
64) S DCBP (S)	9.583	33724829	189.278 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.735	5427065	829.935 ng/ml
3) Aroclor 1016 (2)	6.148	11947018	922.224 ng/ml
4) Aroclor 1016 (3)	6.228	5868082	822.766 ng/ml
5) Aroclor 1016 (4)	6.387	5034975	858.046 ng/ml
6) Aroclor 1016 (5)	6.609	5929533	842.478 ng/ml
7) Aroclor 1016 (6)	6.735	4156757	861.608 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.173	1035058	475.253 ng/ml
10) Aroclor 1221 (2)	5.294	592521	401.726 ng/ml
11) Aroclor 1221 (3)	5.375	2813131	580.389 ng/ml
12) Aroclor 1221 (4)	5.844	571265	654.040 ng/ml
13) Aroclor 1221 (5)	6.148	11947018	12723.696 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.375	2813131	760.019 ng/ml
16) Aroclor 1232 (2)	6.148	11947018	2352.656 ng/ml
17) Aroclor 1232 (3)	6.228	5868082	2100.939 ng/ml
18) Aroclor 1232 (4)	6.387	5034975	2697.527 ng/ml
19) Aroclor 1232 (5)	6.609	5929533	2398.531 ng/ml
20) Aroclor 1232 (6)	6.735	4156757	2075.131 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.735	5427065	1101.488 ng/ml
23) Aroclor 1242 (2)	6.148	11947018	1175.357 ng/ml
24) Aroclor 1242 (3)	6.228	5868082	1094.797 ng/ml
25) Aroclor 1242 (4)	6.387	5034975	1239.692 ng/ml
26) Aroclor 1242 (5)	6.609	5929533	1149.062 ng/ml
27) Aroclor 1242 (6)	6.735	4156757	995.474 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.148	11947018	2018.636 ng/ml
30) Aroclor 1248 (2)	6.387	5034975	717.729 ng/ml
31) Aroclor 1248 (3)	6.609	5929533	701.632 ng/ml
32) Aroclor 1248 (4)	6.902	1213530	120.632 ng/ml
33) Aroclor 1248 (5)	6.937	4150718	407.432 ng/ml
34) Aroclor 1248 (6)	7.425	8805501	1591.791 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.937	4150718	408.633 ng/ml
37) Aroclor 1254 (2)	7.046	4723940	383.067 ng/ml
38) Aroclor 1254 (3)	7.425	8805501	488.049 ng/ml
39) Aroclor 1254 (4)	7.582	1358483	105.003 ng/ml
40) Aroclor 1254 (5)	7.963	12235313	950.469 ng/ml
41) Aroclor 1254 (6)	8.255	1205981	283.951 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.536	12352240	931.377 ng/ml
44) Aroclor 1260 (2)	7.669	16503655	984.936 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 9:44 am
 Operator : MJB / KAK
 Sample : 0050414-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:04:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.226	11923464	954.205 ng/ml
46) Aroclor 1260 (4)	8.395	30334607	1077.692 ng/ml
47) Aroclor 1260 (5)	8.695	18361890	969.619 ng/ml
48) Aroclor 1260 (6)	9.085	8013011	997.848 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.669	16503655	1296.044 ng/ml
51) Aroclor 1262 (2)	7.993	12548198	714.314 ng/ml
52) Aroclor 1262 (3)	8.226	11923464	785.465 ng/ml
53) Aroclor 1262 (4)	8.395	30334607	961.625 ng/ml
54) Aroclor 1262 (5)	8.695	18361890	946.660 ng/ml
55) Aroclor 1262 (6)	9.085	8013011	741.782 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.226	11923464	1386.580 ng/ml
58) Aroclor 1268 (2)	8.642	7027811	188.804 ng/ml
59) Aroclor 1268 (3)	8.695	18361890	560.787 ng/ml
60) Aroclor 1268 (4)	8.872	1005595	34.003 ng/ml
61) Aroclor 1268 (5)	9.085	8013011	682.349 ng/ml
62) Aroclor 1268 (6)	9.345	3047265	36.660 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

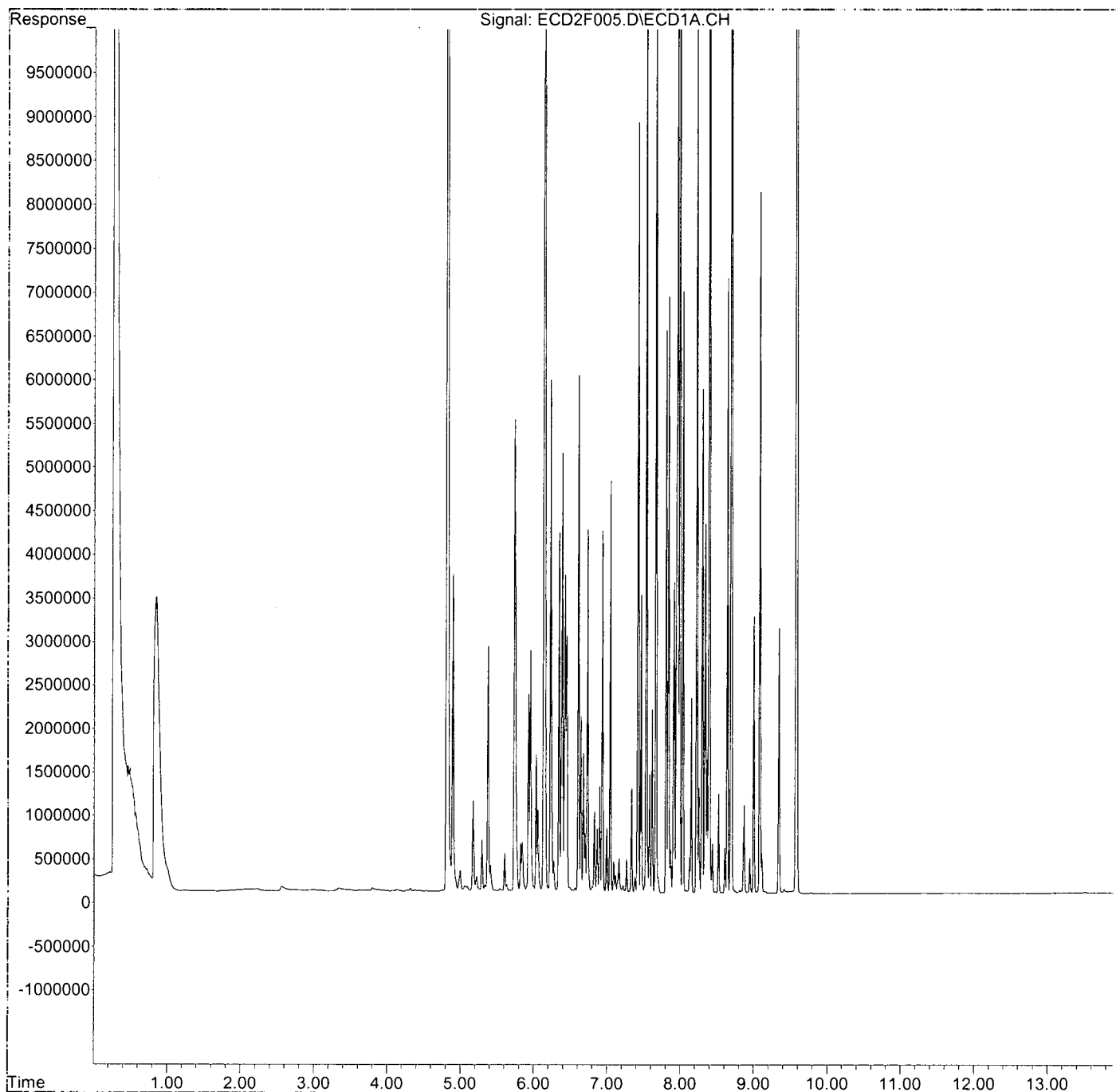
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 9:44 am
Operator : MJB / KAK
Sample : 0050414-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 11:04:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 10:01 am
 Operator : MJB / KAK
 Sample : A0D0763-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:04:21 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/14/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.815	21864133	118.051 ng/ml
64) S DCBP (S)	9.582	23277169	130.641 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.740	10690	1.635 ng/ml
3) Aroclor 1016 (2)	6.151	18624	1.438 ng/ml
4) Aroclor 1016 (3)	6.220	10216	1.432 ng/ml
5) Aroclor 1016 (4)	6.391	9648	1.644 ng/ml
6) Aroclor 1016 (5)	6.599	7621	1.083 ng/ml
7) Aroclor 1016 (6)	6.736	5392	1.118 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.169	460282	211.341 ng/ml
10) Aroclor 1221 (2)	5.294	15644	10.606 ng/ml
11) Aroclor 1221 (3)	5.360	33223	6.854 ng/ml
12) Aroclor 1221 (4)	5.858	9174	10.503 ng/ml
13) Aroclor 1221 (5)	6.151	18624	19.835 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.360	33223	8.976 ng/ml
16) Aroclor 1232 (2)	6.151	18624	3.668 ng/ml
17) Aroclor 1232 (3)	6.220	10216	3.658 ng/ml
18) Aroclor 1232 (4)	6.391	9648	5.169 ng/ml
19) Aroclor 1232 (5)	6.599	7621	3.083 ng/ml
20) Aroclor 1232 (6)	6.736	5392	2.692 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.740	10690	2.170 ng/ml
23) Aroclor 1242 (2)	6.151	18624	1.832 ng/ml
24) Aroclor 1242 (3)	6.220	10216	1.906 ng/ml
25) Aroclor 1242 (4)	6.391	9648	2.376 ng/ml
26) Aroclor 1242 (5)	6.599	7621	1.477 ng/ml
27) Aroclor 1242 (6)	6.736	5392	1.291 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.151	18624	3.147 ng/ml
30) Aroclor 1248 (2)	6.391	9648	1.375 ng/ml
31) Aroclor 1248 (3)	6.599	7621	0.902 ng/ml
32) Aroclor 1248 (4)	6.909	3168	0.315 ng/ml
33) Aroclor 1248 (5)	6.945	6376	0.626 ng/ml
34) Aroclor 1248 (6)	7.427	15142	2.737 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.945	6376	0.628 ng/ml
37) Aroclor 1254 (2)	7.045	5733	0.465 ng/ml
38) Aroclor 1254 (3)	7.427	15142	0.839 ng/ml
39) Aroclor 1254 (4)	7.585	13622	1.053 ng/ml
40) Aroclor 1254 (5)	7.973	25783	2.003 ng/ml
41) Aroclor 1254 (6)	8.254	5367	1.264 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.535	10781	0.813 ng/ml
44) Aroclor 1260 (2)	7.669	17581	1.049 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 10:01 am
 Operator : MJB / KAK
 Sample : A0D0763-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:04:21 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.225	9840	0.787 ng/ml
46)	Aroclor 1260 (4)	8.392	25546	0.908 ng/ml
47)	Aroclor 1260 (5)	8.693	12478	0.659 ng/ml
48)	Aroclor 1260 (6)	9.085	18449	2.297 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.669	17581	1.381 ng/ml
51)	Aroclor 1262 (2)	7.992	14115	0.804 ng/ml
52)	Aroclor 1262 (3)	8.225	9840	0.648 ng/ml
53)	Aroclor 1262 (4)	8.392	25546	0.810 ng/ml
54)	Aroclor 1262 (5)	8.693	12478	0.643 ng/ml
55)	Aroclor 1262 (6)	9.085	18449	1.708 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.225	9840	1.144 ng/ml
58)	Aroclor 1268 (2)	8.643	8423	0.226 ng/ml
59)	Aroclor 1268 (3)	8.693	12478	0.381 ng/ml
60)	Aroclor 1268 (4)	8.873	406702	13.752 ng/ml
61)	Aroclor 1268 (5)	9.085	18449	1.571 ng/ml
62)	Aroclor 1268 (6)	9.343	909688	10.944 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

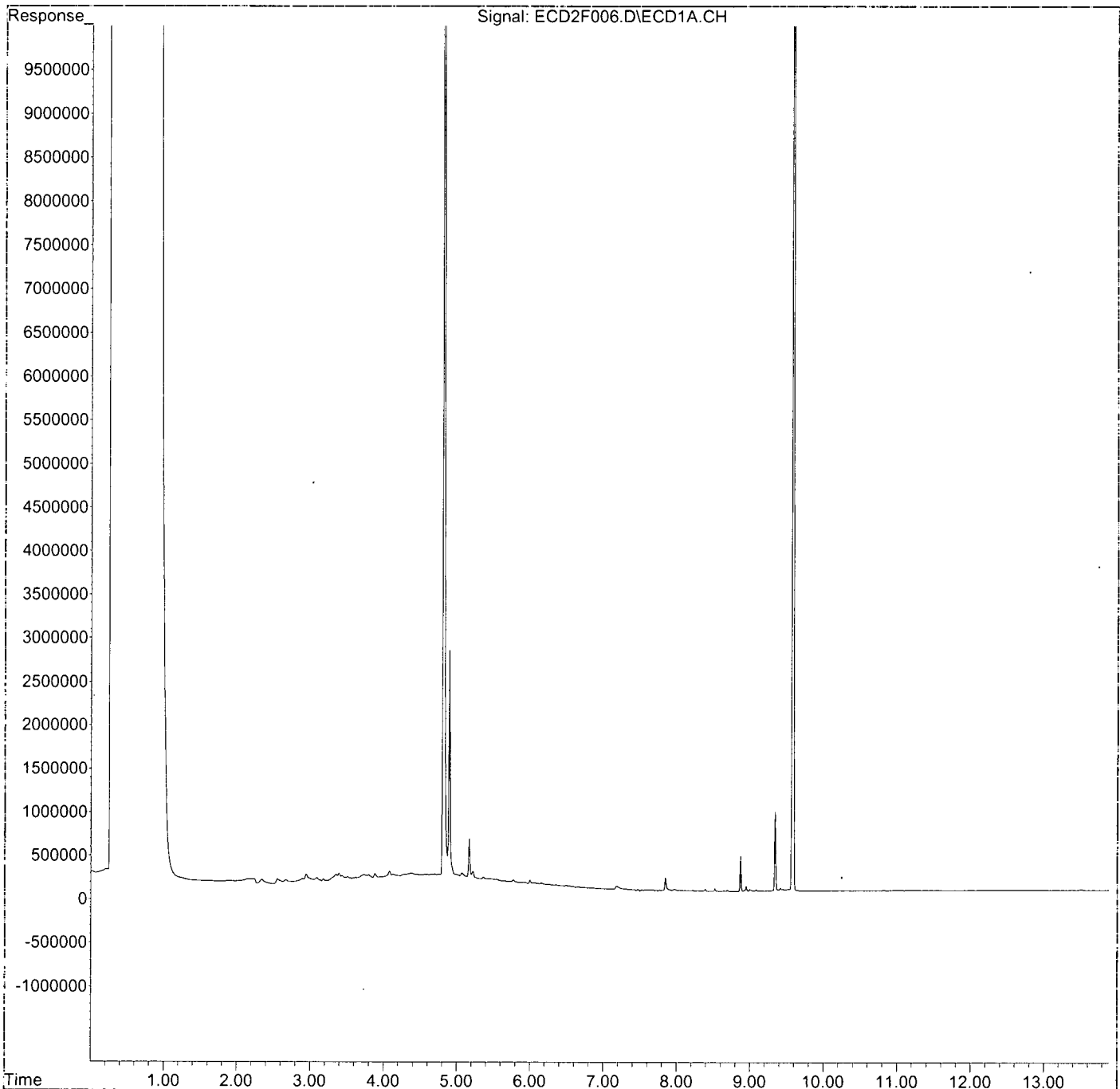
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 10:01 am
Operator : MJB / KAK
Sample : A0D0763-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 11:04:21 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 10:36 am
 Operator : MJB / KAK
 Sample : 0050414-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:04:40 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/14/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.815	24717432	133.456 ng/ml
64) S DCBP (S)	9.581	25938934	145.580 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.735	10926	1.671 ng/ml
3) Aroclor 1016 (2)	6.147	24286	1.875 ng/ml
4) Aroclor 1016 (3)	6.211	19976	2.801 ng/ml
5) Aroclor 1016 (4)	6.361	22017	3.752 ng/ml
6) Aroclor 1016 (5)	6.602	17122	2.433 ng/ml
7) Aroclor 1016 (6)	6.734	14753	3.058 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.169	481665	221.159 ng/ml
10) Aroclor 1221 (2)	5.264	34178	23.173 ng/ml
11) Aroclor 1221 (3)	5.362	41392	8.540 ng/ml
12) Aroclor 1221 (4)	5.856	15649	17.916 ng/ml
13) Aroclor 1221 (5)	6.147	24286	25.865 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.362	41392	11.183 ng/ml
16) Aroclor 1232 (2)	6.147	24286	4.783 ng/ml
17) Aroclor 1232 (3)	6.211	19976	7.152 ng/ml
18) Aroclor 1232 (4)	6.361	22017	11.796 ng/ml
19) Aroclor 1232 (5)	6.602	17122	6.926 ng/ml
20) Aroclor 1232 (6)	6.734	14753	7.365 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.735	10926	2.218 ng/ml
23) Aroclor 1242 (2)	6.147	24286	2.389 ng/ml
24) Aroclor 1242 (3)	6.211	19976	3.727 ng/ml
25) Aroclor 1242 (4)	6.361	22017	5.421 ng/ml
26) Aroclor 1242 (5)	6.602	17122	3.318 ng/ml
27) Aroclor 1242 (6)	6.734	14753	3.533 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.147	24286	4.104 ng/ml
30) Aroclor 1248 (2)	6.361	22017	3.139 ng/ml
31) Aroclor 1248 (3)	6.602	17122	2.026 ng/ml
32) Aroclor 1248 (4)	6.917	12853	1.278 ng/ml
33) Aroclor 1248 (5)	6.944	15569	1.528 ng/ml
34) Aroclor 1248 (6)	7.427	17716	3.203 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.944	15569	1.533 ng/ml
37) Aroclor 1254 (2)	7.046	15092	1.224 ng/ml
38) Aroclor 1254 (3)	7.427	17716	0.982 ng/ml
39) Aroclor 1254 (4)	7.584	17625	1.362 ng/ml
40) Aroclor 1254 (5)	7.973	28065	2.180 ng/ml
41) Aroclor 1254 (6)	8.251	9763	2.299 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.538	12290	0.927 ng/ml
44) Aroclor 1260 (2)	7.668	19168	1.144 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 10:36 am
 Operator : MJB / KAK
 Sample : 0050414-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 11:04:40 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.223	12661	1.013 ng/ml
46) Aroclor 1260 (4)	8.390	26159	0.929 ng/ml
47) Aroclor 1260 (5)	8.692	15220	0.804 ng/ml
48) Aroclor 1260 (6)	9.085	22974	2.861 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.668	19168	1.505 ng/ml
51) Aroclor 1262 (2)	7.973	28065	1.598 ng/ml
52) Aroclor 1262 (3)	8.223	12661	0.834 ng/ml
53) Aroclor 1262 (4)	8.390	26159	0.829 ng/ml
54) Aroclor 1262 (5)	8.692	15220	0.785 ng/ml
55) Aroclor 1262 (6)	9.085	22974	2.127 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.223	12661	1.472 ng/ml
58) Aroclor 1268 (2)	8.642	12017	0.323 ng/ml
59) Aroclor 1268 (3)	8.692	15220	0.465 ng/ml
60) Aroclor 1268 (4)	8.872	432010	14.608 ng/ml
61) Aroclor 1268 (5)	9.085	22974	1.956 ng/ml
62) Aroclor 1268 (6)	9.343	985156	11.852 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

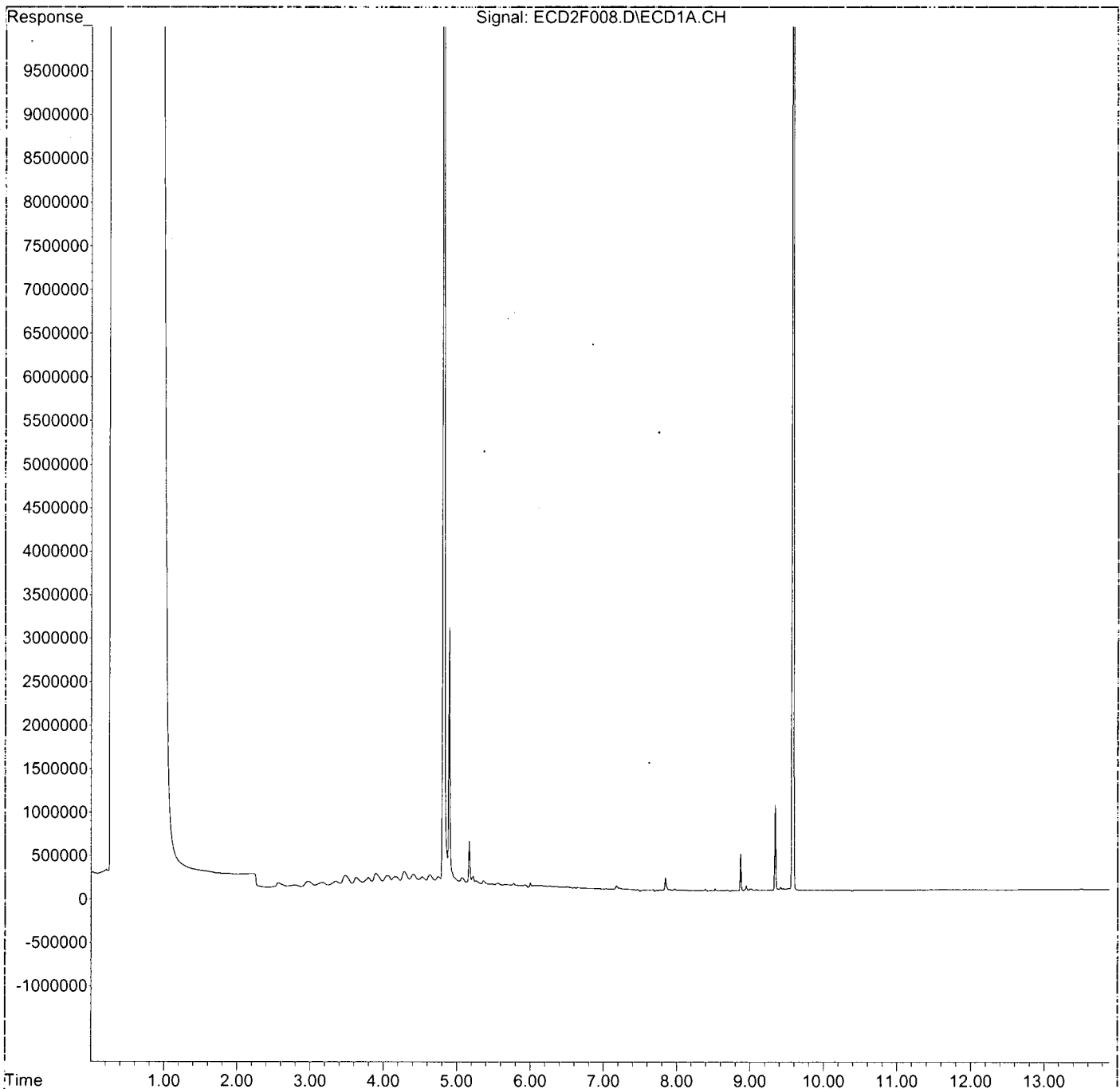
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 10:36 am
Operator : MJB / KAK
Sample : 0050414-DUP1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 11:04:40 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 12:58 pm
 Operator : MJB / KAK
 Sample : 0E14026-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 13:17:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/14/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.815	44723942	241.477 ng/ml
64) S DCBP (S)	9.582	35958650	201.815 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.733	3058608	467.738 ng/ml
3) Aroclor 1016 (2)	6.147	6328345	488.503 ng/ml
4) Aroclor 1016 (3)	6.228	3289188	461.178 ng/ml
5) Aroclor 1016 (4)	6.386	2675947	456.027 ng/ml
6) Aroclor 1016 (5)	6.607	3103843	440.999 ng/ml
7) Aroclor 1016 (6)	6.734	2071961	429.474 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.171	1019634	468.170 ng/ml
10) Aroclor 1221 (2)	5.292	364798	247.332 ng/ml
11) Aroclor 1221 (3)	5.373	1684010	347.436 ng/ml
12) Aroclor 1221 (4)	5.842	327455	374.903 ng/ml
13) Aroclor 1221 (5)	6.147	6328345	6739.752 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.373	1684010	454.966 ng/ml
16) Aroclor 1232 (2)	6.147	6328345	1246.204 ng/ml
17) Aroclor 1232 (3)	6.228	3289188	1177.622 ng/ml
18) Aroclor 1232 (4)	6.386	2675947	1433.659 ng/ml
19) Aroclor 1232 (5)	6.607	3103843	1255.523 ng/ml
20) Aroclor 1232 (6)	6.734	2071961	1034.362 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.733	3058608	620.781 ng/ml
23) Aroclor 1242 (2)	6.147	6328345	622.587 ng/ml
24) Aroclor 1242 (3)	6.228	3289188	613.658 ng/ml
25) Aroclor 1242 (4)	6.386	2675947	658.861 ng/ml
26) Aroclor 1242 (5)	6.607	3103843	601.482 ng/ml
27) Aroclor 1242 (6)	6.734	2071961	496.200 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.147	6328345	1069.273 ng/ml
30) Aroclor 1248 (2)	6.386	2675947	381.453 ng/ml
31) Aroclor 1248 (3)	6.607	3103843	367.272 ng/ml
32) Aroclor 1248 (4)	6.901	585009	58.153 ng/ml
33) Aroclor 1248 (5)	6.936	2012651	197.561 ng/ml
34) Aroclor 1248 (6)	7.423	4039144	730.166 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.936	2012651	198.143 ng/ml
37) Aroclor 1254 (2)	7.044	2024172	164.141 ng/ml
38) Aroclor 1254 (3)	7.423	4039144	223.871 ng/ml
39) Aroclor 1254 (4)	7.580	564110	43.603 ng/ml
40) Aroclor 1254 (5)	7.962	5607422	435.598 ng/ml
41) Aroclor 1254 (6)	8.254	529982	124.786 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.535	5497427	414.514 ng/ml
44) Aroclor 1260 (2)	7.667	6784416	404.893 ng/ml

Data Path : K:\DATA\0E14026\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 12:58 pm
 Operator : MJB / KAK
 Sample : 0E14026-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 13:17:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.224	4904144	392.466 ng/ml
46) Aroclor 1260 (4)	8.394	12323339 ^m	437.809 ng/ml
47) Aroclor 1260 (5)	8.693	7557824 ^g	399.099 ng/ml
48) Aroclor 1260 (6)	9.084	3021453	376.257 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.667	6784416	532.785 ng/ml
51) Aroclor 1262 (2)	7.992	4941496	281.298 ng/ml
52) Aroclor 1262 (3)	8.224	4904144	323.063 ng/ml
53) Aroclor 1262 (4)	8.394	12323339	390.657 ng/ml
54) Aroclor 1262 (5)	8.693	7557824	389.649 ng/ml
55) Aroclor 1262 (6)	9.084	3021453	279.703 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.224	4904144	570.303 ng/ml
58) Aroclor 1268 (2)	8.641	2582369	69.376 ng/ml
59) Aroclor 1268 (3)	8.693	7557824	230.822 ng/ml
60) Aroclor 1268 (4)	8.869	208845	7.062 ng/ml
61) Aroclor 1268 (5)	9.084	3021453	257.292 ng/ml
62) Aroclor 1268 (6)	9.343	637446	7.669 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

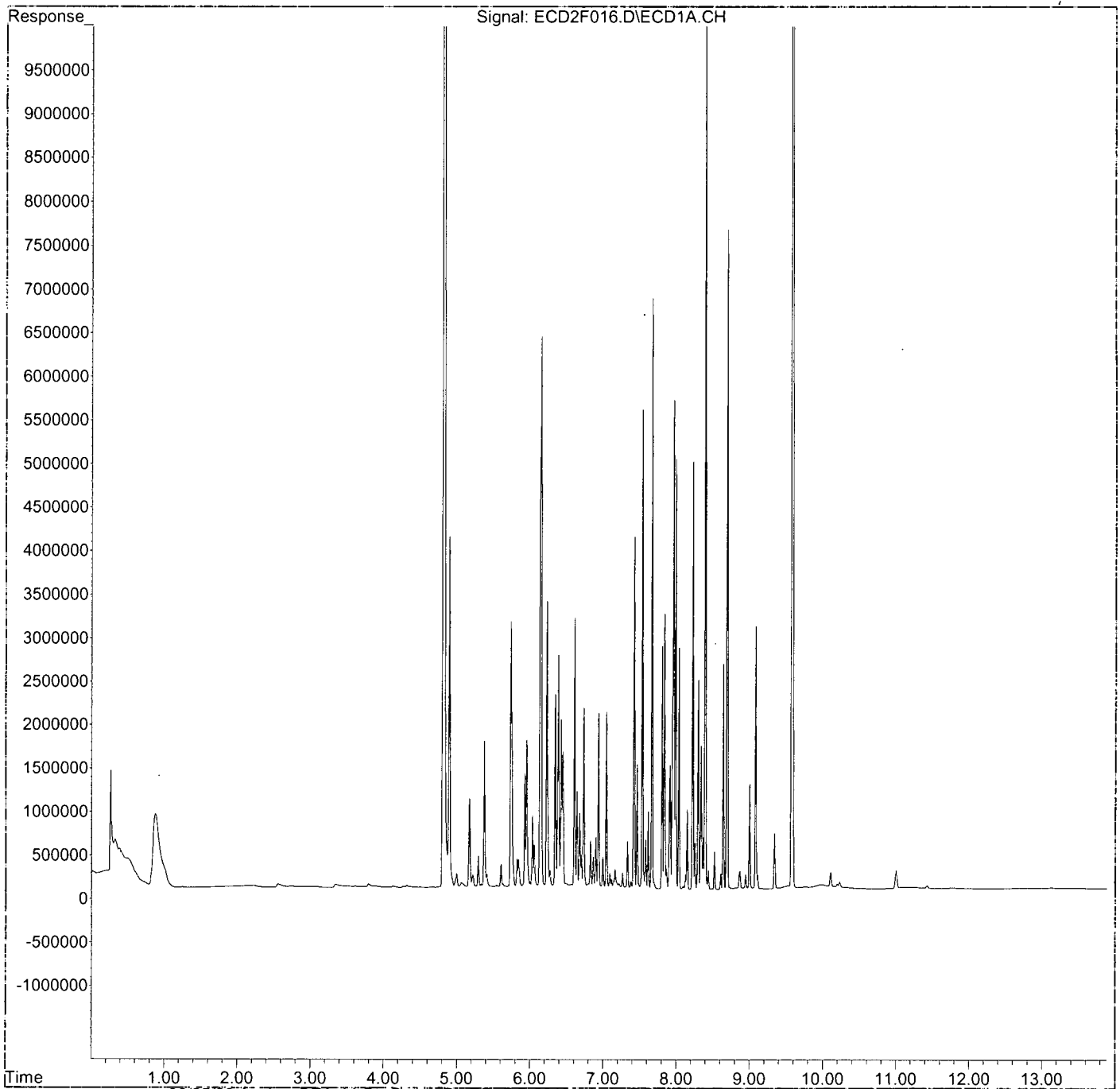
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 12:58 pm
Operator : MJB / KAK
Sample : 0E14026-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 13:17:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E14026\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 1:15 pm
 Operator : MJB / KAK
 Sample : 0E14026-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 13:33:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/14/20
Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.815	17030570	91.953 ng/ml
64) S DCBP (S)	9.581	14152988	79.432 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.733	22727	3.476 ng/ml
3) Aroclor 1016 (2)	6.161	38729	2.990 ng/ml
4) Aroclor 1016 (3)	6.240	34909	4.895 ng/ml
5) Aroclor 1016 (4)	6.390	34774	5.926 ng/ml
6) Aroclor 1016 (5)	6.614	34867	4.954 ng/ml
7) Aroclor 1016 (6)	6.735	32930	6.826 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.168	337142	154.801 ng/ml
10) Aroclor 1221 (2)	5.285	11025	7.475 ng/ml
11) Aroclor 1221 (3)	5.366	24881	5.133 ng/ml
12) Aroclor 1221 (4)	5.850	23962	27.434 ng/ml
13) Aroclor 1221 (5)	6.161	38729	41.247 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.366	24881	6.722 ng/ml
16) Aroclor 1232 (2)	6.161	38729	7.627 ng/ml
17) Aroclor 1232 (3)	6.240	34909	12.498 ng/ml
18) Aroclor 1232 (4)	6.390	34774	18.630 ng/ml
19) Aroclor 1232 (5)	6.614	34867	14.104 ng/ml
20) Aroclor 1232 (6)	6.735	32930	16.439 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.733	22727	4.613 ng/ml
23) Aroclor 1242 (2)	6.161	38729	3.810 ng/ml
24) Aroclor 1242 (3)	6.240	34909	6.513 ng/ml
25) Aroclor 1242 (4)	6.390	34774	8.562 ng/ml
26) Aroclor 1242 (5)	6.614	34867	6.757 ng/ml
27) Aroclor 1242 (6)	6.735	32930	7.886 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.161	38729	6.544 ng/ml
30) Aroclor 1248 (2)	6.390	34774	4.957 ng/ml
31) Aroclor 1248 (3)	6.614	34867	4.126 ng/ml
32) Aroclor 1248 (4)	6.899	31031	3.085 ng/ml
33) Aroclor 1248 (5)	6.935	32135	3.154 ng/ml
34) Aroclor 1248 (6)	7.422	12546	2.268 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.935	32135	3.164 ng/ml
37) Aroclor 1254 (2)	7.048	27972	2.268 ng/ml
38) Aroclor 1254 (3)	7.422	12546	0.695 ng/ml
39) Aroclor 1254 (4)	7.578	6178	0.478 ng/ml
40) Aroclor 1254 (5)	7.972	9008	0.700 ng/ml
41) Aroclor 1254 (6)	8.254	2717	0.640 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.537	7981	0.602 ng/ml
44) Aroclor 1260 (2)	7.666	4419	0.264 ng/ml

N.P.M.

Data Path : K:\DATA\0E14026\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 14 May 2020 1:15 pm
 Operator : MJB / KAK
 Sample : 0E14026-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 14 13:33:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.224	4608	0.369 ng/ml
46)	Aroclor 1260 (4)	8.390	15936	0.566 ng/ml
47)	Aroclor 1260 (5)	8.694	11406	0.602 ng/ml
48)	Aroclor 1260 (6)	9.085	5739	0.715 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.666	4419	0.347 ng/ml
51)	Aroclor 1262 (2)	7.972	9008	0.513 ng/ml
52)	Aroclor 1262 (3)	8.224	4608	0.304 ng/ml
53)	Aroclor 1262 (4)	8.390	15936	0.505 ng/ml
54)	Aroclor 1262 (5)	8.694	11406	0.588 ng/ml
55)	Aroclor 1262 (6)	9.085	5739	0.531 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.224	4608	0.536 ng/ml
58)	Aroclor 1268 (2)	8.643	7736	0.208 ng/ml
59)	Aroclor 1268 (3)	8.694	11406	0.348 ng/ml
60)	Aroclor 1268 (4)	8.873	42378	1.433 ng/ml
61)	Aroclor 1268 (5)	9.085	5739	0.489 ng/ml
62)	Aroclor 1268 (6)	9.344	23782	0.286 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

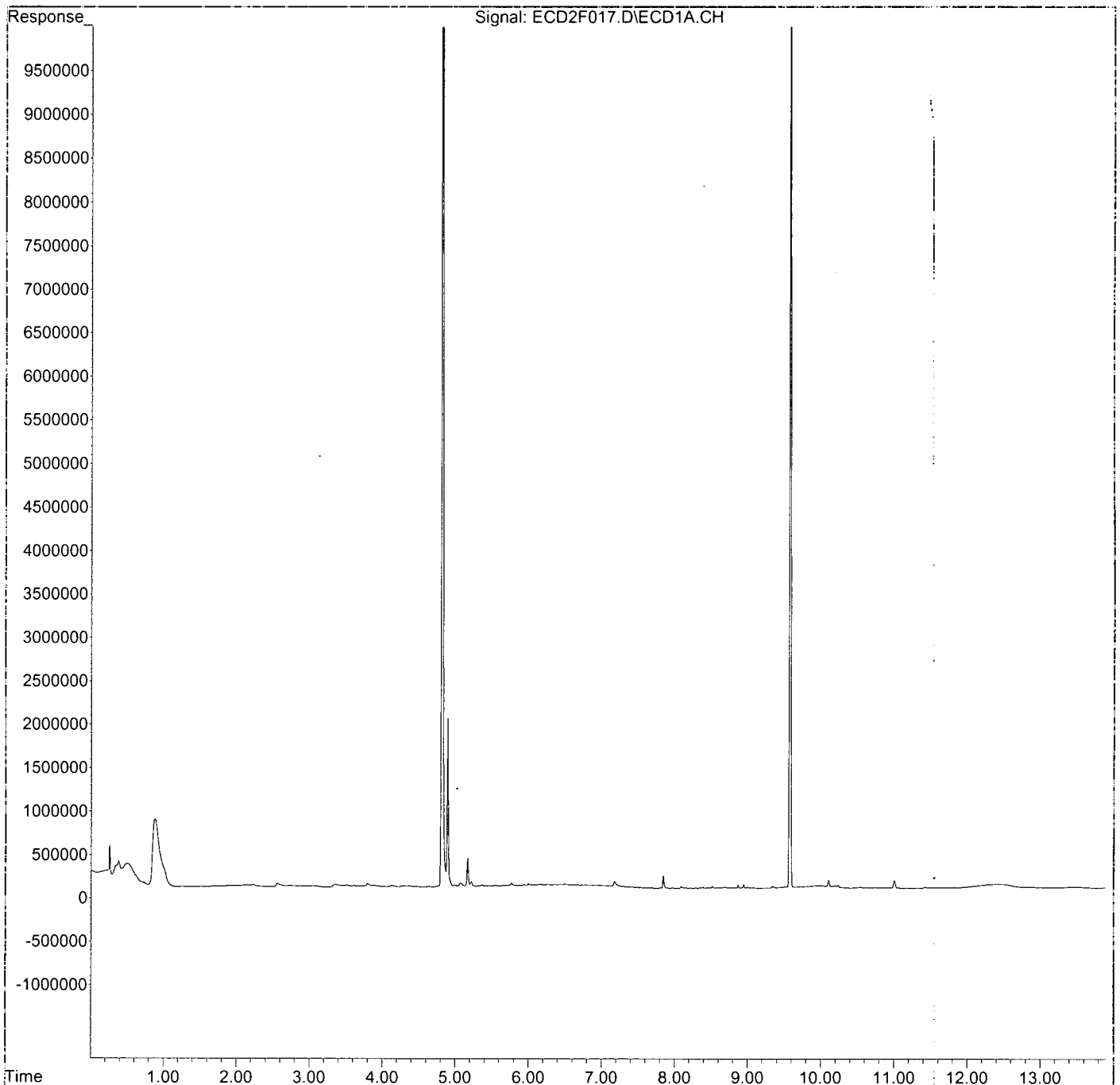
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E14026\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 14 May 2020 1:15 pm
Operator : MJB / KAK
Sample : 0E14026-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 14 13:33:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT7.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 0E18037 (A0D0763-01RE1,02RE1,03RE1,04RE1,05RE1,07,08,09)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E18037**

Instrument: **DUALECD6R**

Date: **05/18/20 08:15**

Calibration: **A0C2703**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E18037-CCV1	Sediment	QC	QC				A20E179
2	0E18037-CCB1	Sediment	QC	QC				A20E115
3	A0D0758-04RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050210		
4	0E18037-IBL1	Sediment	QC	QC				
5	A0D0758-17RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
6	0E18037-IBL2	Sediment	QC	QC				
7	A0D0758-18RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
8	0E18037-IBL3	Sediment	QC	QC				
9	A0D0763-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
10	0E18037-IBL4	Sediment	QC	QC				
11	A0D0763-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
12	0E18037-IBL5	Sediment	QC	QC				
13	A0D0763-03RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
14	0E18037-IBL6	Sediment	QC	QC				
15	0E18037-CCV2	Sediment	QC	QC				A20E179
16	0E18037-CCB2	Sediment	QC	QC				A20E115
17	A0D0763-04RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
18	0E18037-IBL7	Sediment	QC	QC				
19	A0D0763-05RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
20	0E18037-IBL8	Sediment	QC	QC				
21	A0D0763-07	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
22	0E18037-IBL9	Sediment	QC	QC				
23	A0D0763-08	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
24	0E18037-IBLA	Sediment	QC	QC				
25	A0D0763-09	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050414		
26	0E18037-IBLB	Sediment	QC	QC				
27	0E18037-CCV3	Sediment	QC	QC				A20E179
28	0E18037-CCB3	Sediment	QC	QC				A20E115

Data Entered By: *ME* 5/19/20

Comments: Report Original of 758-04

Data Reviewed By: *DJ* 5/19/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 663 of 2108

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.

0E18037-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	529.25
1016 (2)	556.48
1016 (3)	529.63
1016 (4)	540.04
1016 (5)	534.80
1016 (6)	536.43
Average:	537.77

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	518.76
1260 (2)	555.69
1260 (3)	550.11
1260 (4)	558.61
1260 (5)	545.94
1260 (6)	528.78
Average:	542.98

0E18037-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	494.71
1016 (2)	550.94
1016 (3)	522.05
1016 (4)	510.93
1016 (5)	520.56
1016 (6)	530.11
Average:	521.55

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	540.92
1260 (2)	564.87
1260 (3)	552.42
1260 (4)	569.12
1260 (5)	560.46
1260 (6)	535.61
Average:	553.90

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.

0E18037-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	505.10
1016 (2)	555.91
1016 (3)	535.61
1016 (4)	539.04
1016 (5)	539.01
1016 (6)	548.66
Average:	537.22

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	556.05
1260 (2)	565.75
1260 (3)	587.24
1260 (4)	588.80
1260 (5)	590.43
1260 (6)	557.75
Average:	574.34

Data Path : S:\DATA\0E18037\
 Data File : ECD6R003.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 9:03 am
 Operator : MJB/KAK
 Sample : 0E18037-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:21:59 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	48508769	269.867 ng/ml
62) S DCBP (S)	11.327	20414044	261.536 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.705	2790451	529.251 ng/ml
3) Aroclor 1016 (2)	7.198	4723835	556.475 ng/ml
4) Aroclor 1016 (3)	7.328	2108560	529.632 ng/ml
5) Aroclor 1016 (4)	7.411	2405553	540.042 ng/ml
6) Aroclor 1016 (5)	7.457	2576789	534.796 ng/ml
7) Aroclor 1016 (6)	7.586	2537456	536.425 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.193	249418	178.569 ng/ml
10) Aroclor 1221 (2)	6.281	377305	288.373 ng/ml
11) Aroclor 1221 (3)	6.369	1782143	421.754 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.369	1782143	513.074 ng/ml
14) Aroclor 1232 (2)	6.705	2790451	1351.074 ng/ml
15) Aroclor 1232 (3)	7.198	4723835	1413.136 ng/ml
16) Aroclor 1232 (4)	7.411	2405553	1676.834 ng/ml
17) Aroclor 1232 (5)	7.457	2576789	1554.734 ng/ml
18) Aroclor 1232 (6)	7.586	2537456	1516.248 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.705	2790451	753.296 ng/ml
21) Aroclor 1242 (2)	7.198	4723835	755.684 ng/ml
22) Aroclor 1242 (3)	7.328	2108560	705.527 ng/ml
23) Aroclor 1242 (4)	7.411	2405553	797.677 ng/ml
24) Aroclor 1242 (5)	7.457	2576789	764.661 ng/ml
25) Aroclor 1242 (6)	7.586	2537456	723.855 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.170	4218617	1076.728 ng/ml
28) Aroclor 1248 (2)	7.411	2405553	462.401 ng/ml
29) Aroclor 1248 (3)	7.457	2576789	541.531 ng/ml
30) Aroclor 1248 (4)	7.586	2537456	445.037 ng/ml
31) Aroclor 1248 (5)	7.930	1790845	260.139 ng/ml
32) Aroclor 1248 (6)	8.111	2038146	345.427 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.930	1790845	235.802 ng/ml
35) Aroclor 1254 (2)	8.111	2038146	184.694 ng/ml
36) Aroclor 1254 (3)	8.428	1154317	94.790 ng/ml
37) Aroclor 1254 (4)	8.669	755617	90.999 ng/ml
38) Aroclor 1254 (5)	9.007	6103598	679.709 ng/ml
39) Aroclor 1254 (6)	9.241	809339	318.075 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.562	4800455	518.762 ng/ml
42) Aroclor 1260 (2)	8.768	6104490	555.690 ng/ml
43) Aroclor 1260 (3)	9.007	6103598	550.111 ng/ml
44) Aroclor 1260 (4)	9.548	8801540	558.609 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R003.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 9:03 am
 Operator : MJB/KAK
 Sample : 0E18037-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:21:59 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.854	5063250	545.944 ng/ml
46) Aroclor 1260 (6)	10.526	1918986	528.779 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.768	6104490	722.627 ng/ml
49) Aroclor 1262 (2)	9.077	4307023	375.438 ng/ml
50) Aroclor 1262 (3)	9.274	4099652	466.910 ng/ml
51) Aroclor 1262 (4)	9.548	8801540	494.262 ng/ml
52) Aroclor 1262 (5)	9.854	5063250	472.914 ng/ml
53) Aroclor 1262 (6)	10.526	1918986	401.128 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.320	339031	69.096 ng/ml
56) Aroclor 1268 (2)	9.854	5063250	251.994 ng/ml
57) Aroclor 1268 (3)	9.928	2056281	126.510 ng/ml
58) Aroclor 1268 (4)	10.183	173044	12.371 ng/ml
59) Aroclor 1268 (5)	10.526	1918986	361.205 ng/ml
60) Aroclor 1268 (6)	10.948	516204	14.212 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

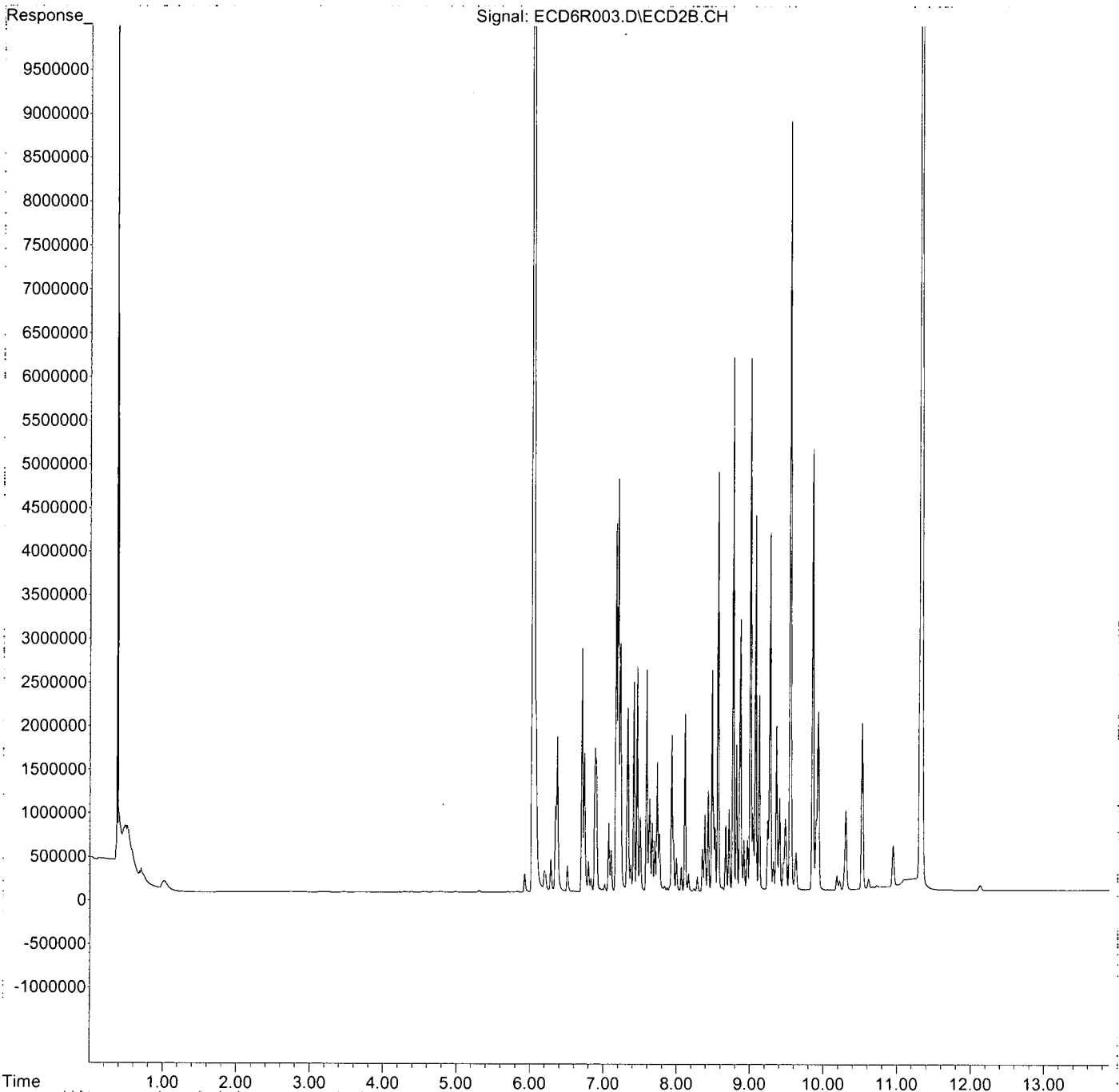
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R003.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 9:03 am
Operator : MJB/KAK
Sample : 0E18037-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:21:59 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R004.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 9:21 am
 Operator : MJB/KAK
 Sample : 0E18037-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:22:15 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

PP
 5/19/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.034	18752736	104.326 ng/ml
62) S DCBP (S)	11.328	7755457	99.359 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.702	1000	0.190 ng/ml
3) Aroclor 1016 (2)	7.201	1477	0.174 ng/ml
4) Aroclor 1016 (3)	7.333	1024	0.257 ng/ml
5) Aroclor 1016 (4)	7.412	727	0.163 ng/ml
6) Aroclor 1016 (5)	7.453	499	0.104 ng/ml
7) Aroclor 1016 (6)	7.594	888	0.188 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.232	14168	10.144 ng/ml
10) Aroclor 1221 (2)	6.282	9708	7.420 ng/ml
11) Aroclor 1221 (3)	6.344	365889	86.590 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	365889	105.339 ng/ml
14) Aroclor 1232 (2)	6.702	1000	0.484 ng/ml
15) Aroclor 1232 (3)	7.201	1477	0.442 ng/ml
16) Aroclor 1232 (4)	7.412	727	0.507 ng/ml
17) Aroclor 1232 (5)	7.453	499	0.301 ng/ml
18) Aroclor 1232 (6)	7.594	888	0.531 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.702	1000	0.270 ng/ml
21) Aroclor 1242 (2)	7.201	1477	0.236 ng/ml
22) Aroclor 1242 (3)	7.333	1024	0.343 ng/ml
23) Aroclor 1242 (4)	7.412	727	0.241 ng/ml
24) Aroclor 1242 (5)	7.453	499	0.148 ng/ml
25) Aroclor 1242 (6)	7.594	888	0.253 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.159	507	0.129 ng/ml
28) Aroclor 1248 (2)	7.412	727	0.140 ng/ml
29) Aroclor 1248 (3)	7.453	499	0.105 ng/ml
30) Aroclor 1248 (4)	7.594	888	0.156 ng/ml
31) Aroclor 1248 (5)	7.952	739	0.107 ng/ml
32) Aroclor 1248 (6)	8.117	1711	0.290 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.934	1216	0.160 ng/ml
35) Aroclor 1254 (2)	8.117	1711	0.155 ng/ml
36) Aroclor 1254 (3)	8.431	1500	0.123 ng/ml
37) Aroclor 1254 (4)	8.673	916	0.110 ng/ml
38) Aroclor 1254 (5)	9.006	2796	0.311 ng/ml
39) Aroclor 1254 (6)	9.228	235	0.093 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.561	1524	0.165 ng/ml
42) Aroclor 1260 (2)	8.771	3444	0.314 ng/ml
43) Aroclor 1260 (3)	9.006	2796	0.252 ng/ml
44) Aroclor 1260 (4)	9.549	2748	0.174 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R004.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 9:21 am
 Operator : MJB/KAK
 Sample : 0E18037-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:22:15 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.856	3510	0.378 ng/ml
46)	Aroclor 1260 (6)	10.533	7957	2.193 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.771	3444	0.408 ng/ml
49)	Aroclor 1262 (2)	9.079	1143	0.100 ng/ml
50)	Aroclor 1262 (3)	9.273	1784	0.203 ng/ml
51)	Aroclor 1262 (4)	9.549	2748	0.154 ng/ml
52)	Aroclor 1262 (5)	9.856	3510	0.328 ng/ml
53)	Aroclor 1262 (6)	10.533	7957	1.663 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.326	4091	0.834 ng/ml
56)	Aroclor 1268 (2)	9.856	3510	0.175 ng/ml
57)	Aroclor 1268 (3)	9.934	2281	0.140 ng/ml
58)	Aroclor 1268 (4)	10.185	45204	3.232 ng/ml
59)	Aroclor 1268 (5)	10.533	7957	1.498 ng/ml
60)	Aroclor 1268 (6)	10.951	59556	1.640 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

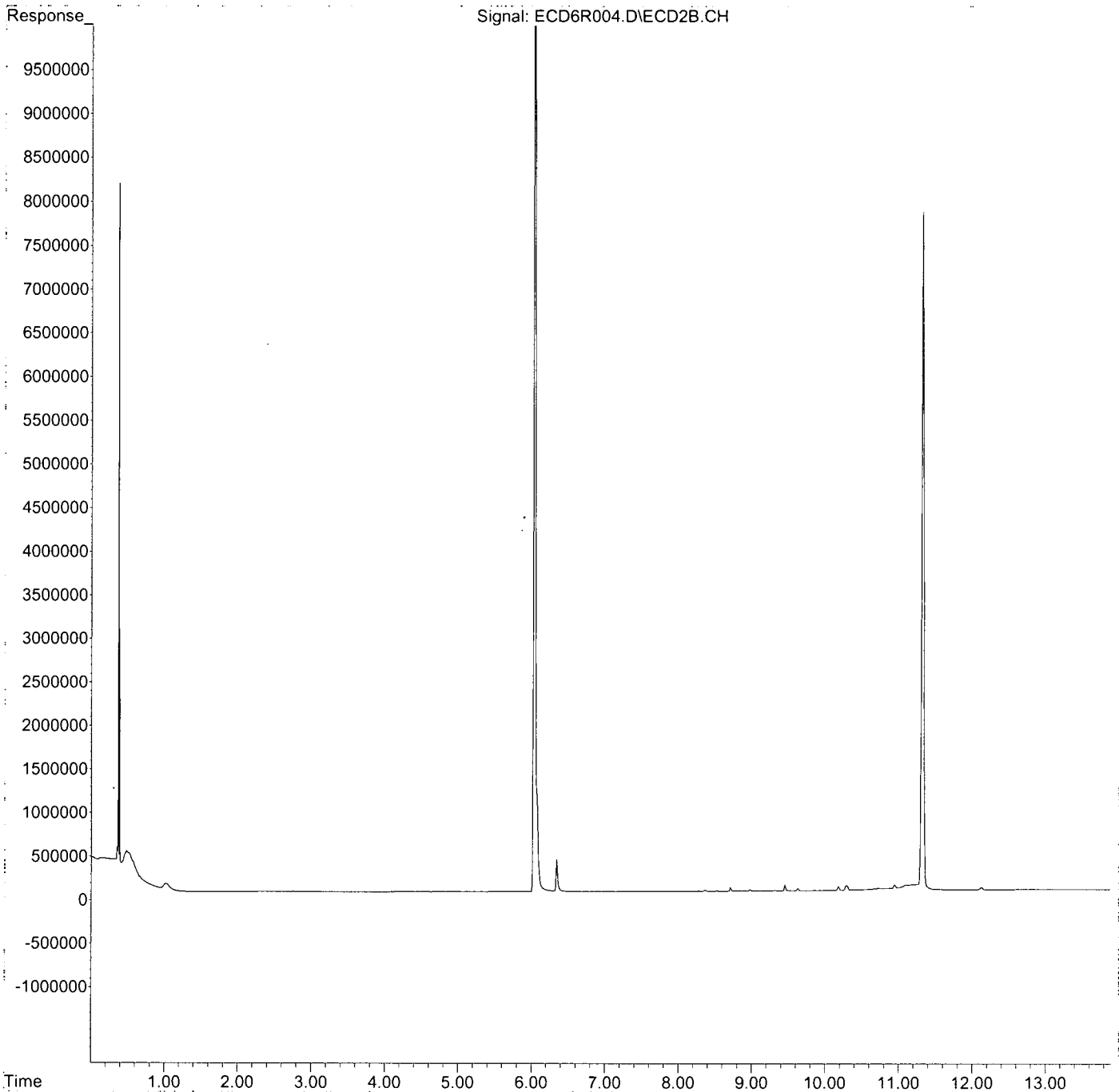
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R004.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 9:21 am
Operator : MJB/KAK
Sample : 0E18037-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:22:15 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R012.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 2:55 pm
 Operator : MJB/KAK
 Sample : A0D0763-01RE1
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:23:27 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.033	29438916	163.776 ng/ml
62) S DCBP (S)	11.325	14268275	182.799 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.703	6669	1.265 ng/ml
3) Aroclor 1016 (2)	7.197	10334	1.217 ng/ml
4) Aroclor 1016 (3)	7.326	7665	1.925 ng/ml
5) Aroclor 1016 (4)	7.412	8894	1.997 ng/ml
6) Aroclor 1016 (5)	7.456	9900	2.055 ng/ml
7) Aroclor 1016 (6)	7.585	10191	2.154 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.229	13068	9.356 ng/ml
10) Aroclor 1221 (2)	6.293	8817	6.739 ng/ml
11) Aroclor 1221 (3)	6.343	577924	136.769 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.343	577924	166.383 ng/ml
14) Aroclor 1232 (2)	6.703	6669	3.229 ng/ml
15) Aroclor 1232 (3)	7.197	10334	3.091 ng/ml
16) Aroclor 1232 (4)	7.412	8894	6.200 ng/ml
17) Aroclor 1232 (5)	7.456	9900	5.973 ng/ml
18) Aroclor 1232 (6)	7.585	10191	6.090 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.703	6669	1.800 ng/ml
21) Aroclor 1242 (2)	7.197	10334	1.653 ng/ml
22) Aroclor 1242 (3)	7.326	7665	2.565 ng/ml
23) Aroclor 1242 (4)	7.412	8894	2.949 ng/ml
24) Aroclor 1242 (5)	7.456	9900	2.938 ng/ml
25) Aroclor 1242 (6)	7.585	10191	2.907 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.170	9530	2.432 ng/ml
28) Aroclor 1248 (2)	7.412	8894	1.710 ng/ml
29) Aroclor 1248 (3)	7.456	9900	2.080 ng/ml
30) Aroclor 1248 (4)	7.585	10191	1.787 ng/ml
31) Aroclor 1248 (5)	7.951	10205	1.482 ng/ml
32) Aroclor 1248 (6)	8.108	12233	2.073 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.931	10881	1.433 ng/ml
35) Aroclor 1254 (2)	8.108	12233	1.109 ng/ml
36) Aroclor 1254 (3)	8.424	5962	0.490 ng/ml
37) Aroclor 1254 (4)	8.665	9062	1.091 ng/ml
38) Aroclor 1254 (5)	9.039	11619	1.294 ng/ml
39) Aroclor 1254 (6)	9.270	9754	3.833 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.560	7185	0.776 ng/ml
42) Aroclor 1260 (2)	8.767	13614	1.239 ng/ml
43) Aroclor 1260 (3)	9.039	11619	1.047 ng/ml
44) Aroclor 1260 (4)	9.548	11248	0.714 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R012.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 2:55 pm
 Operator : MJB/KAK
 Sample : A0D0763-01RE1
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:23:27 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.852	12048	1.299 ng/ml
46) Aroclor 1260 (6)	10.532	15732	4.335 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.767	13614	1.612 ng/ml
49) Aroclor 1262 (2)	9.076	13596	1.185 ng/ml
50) Aroclor 1262 (3)	9.270	9754	1.111 ng/ml
51) Aroclor 1262 (4)	9.548	11248	0.632 ng/ml
52) Aroclor 1262 (5)	9.852	12048	1.125 ng/ml
53) Aroclor 1262 (6)	10.532	15732	3.288 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.324	8804	1.794 ng/ml
56) Aroclor 1268 (2)	9.852	12048	0.600 ng/ml
57) Aroclor 1268 (3)	9.926	10769	0.663 ng/ml
58) Aroclor 1268 (4)	10.181	246471	17.620 ng/ml
59) Aroclor 1268 (5)	10.532	15732	2.961 ng/ml
60) Aroclor 1268 (6)	10.945	527634	14.527 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

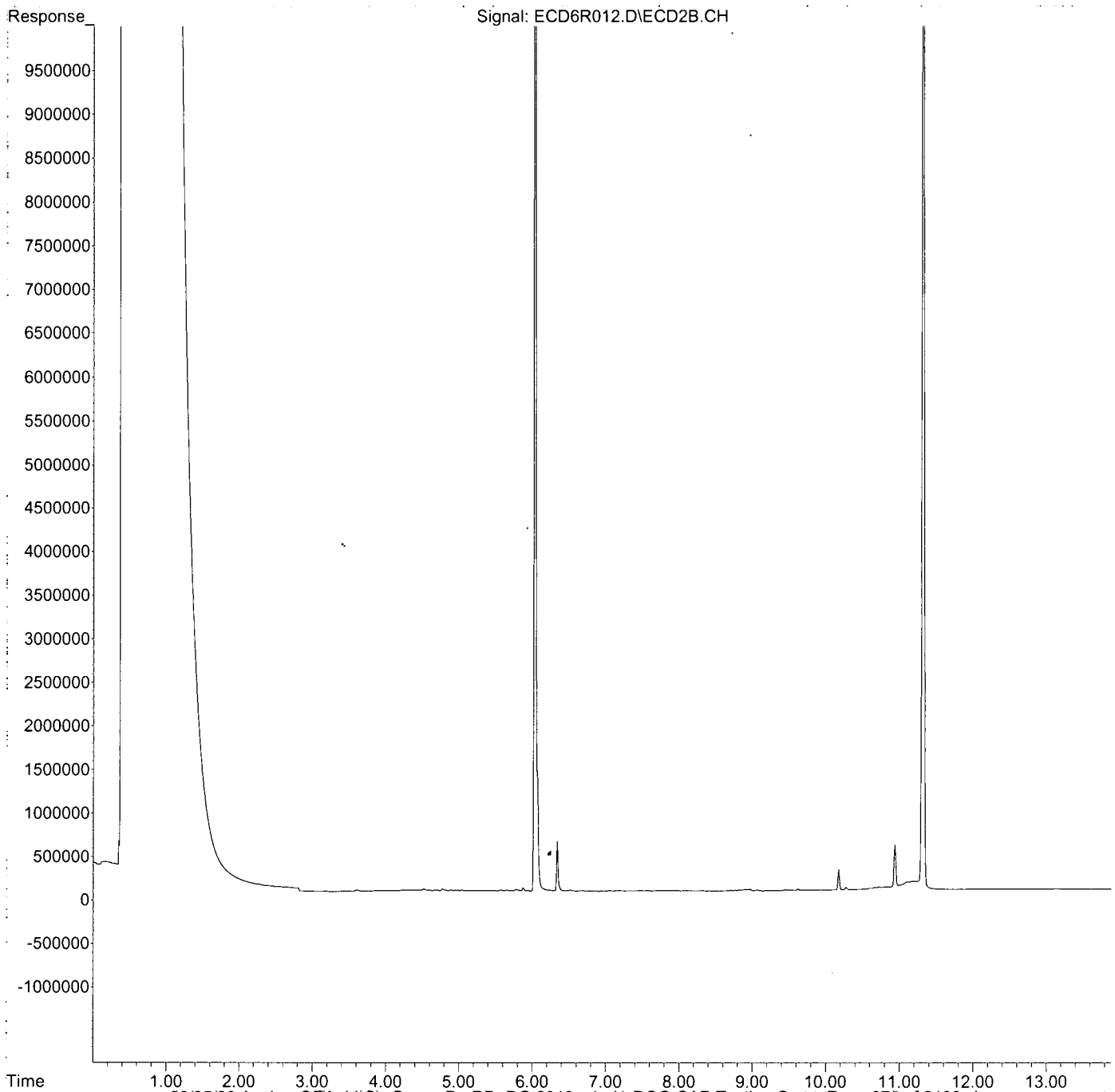
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R012.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 2:55 pm
Operator : MJB/KAK
Sample : A0D0763-01RE1
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:23:27 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R014.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 3:30 pm
 Operator : MJB/KAK
 Sample : A0D0763-02RE1
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:23:45 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.033	27856783	154.974 ng/ml
62) S DCBP (S)	11.324	13765585	176.358 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.701	2500	0.474 ng/ml
3) Aroclor 1016 (2)	7.207	2717	0.320 ng/ml
4) Aroclor 1016 (3)	7.330	3392	0.852 ng/ml
5) Aroclor 1016 (4)	7.410	4070	0.914 ng/ml
6) Aroclor 1016 (5)	7.465	4749	0.986 ng/ml
7) Aroclor 1016 (6)	7.585	5721	1.210 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.226	12306	8.810 ng/ml
10) Aroclor 1221 (2)	6.274	8867	6.777 ng/ml
11) Aroclor 1221 (3)	6.343	562572	133.136 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.343	562572	161.963 ng/ml
14) Aroclor 1232 (2)	6.701	2500	1.210 ng/ml
15) Aroclor 1232 (3)	7.207	2717	0.813 ng/ml
16) Aroclor 1232 (4)	7.410	4070	2.837 ng/ml
17) Aroclor 1232 (5)	7.465	4749	2.865 ng/ml
18) Aroclor 1232 (6)	7.585	5721	3.419 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.701	2500	0.675 ng/ml
21) Aroclor 1242 (2)	7.207	2717	0.435 ng/ml
22) Aroclor 1242 (3)	7.330	3392	1.135 ng/ml
23) Aroclor 1242 (4)	7.410	4070	1.350 ng/ml
24) Aroclor 1242 (5)	7.465	4749	1.409 ng/ml
25) Aroclor 1242 (6)	7.585	5721	1.632 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.171	2627	0.670 ng/ml
28) Aroclor 1248 (2)	7.410	4070	0.782 ng/ml
29) Aroclor 1248 (3)	7.465	4749	0.998 ng/ml
30) Aroclor 1248 (4)	7.585	5721	1.003 ng/ml
31) Aroclor 1248 (5)	7.974	8427	1.224 ng/ml
32) Aroclor 1248 (6)	8.103	12176	2.064 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.932	7716	1.016 ng/ml
35) Aroclor 1254 (2)	8.103	12176	1.103 ng/ml
36) Aroclor 1254 (3)	8.430	15309	1.257 ng/ml
37) Aroclor 1254 (4)	8.663	14831	1.786 ng/ml
38) Aroclor 1254 (5)	9.041	12768	1.422 ng/ml
39) Aroclor 1254 (6)	9.271	15314	6.019 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.555	17706	1.913 ng/ml
42) Aroclor 1260 (2)	8.768	14429	1.313 ng/ml
43) Aroclor 1260 (3)	9.041	12768	1.151 ng/ml
44) Aroclor 1260 (4)	9.544	13101	0.832 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R014.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 3:30 pm
 Operator : MJB/KAK
 Sample : A0D0763-02RE1
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:23:45 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.852	14087	1.519 ng/ml
46)	Aroclor 1260 (6)	10.526	16032	4.418 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.768	14429	1.708 ng/ml
49)	Aroclor 1262 (2)	9.081	14878	1.297 ng/ml
50)	Aroclor 1262 (3)	9.271	15314	1.744 ng/ml
51)	Aroclor 1262 (4)	9.544	13101	0.736 ng/ml
52)	Aroclor 1262 (5)	9.852	14087	1.316 ng/ml
53)	Aroclor 1262 (6)	10.526	16032	3.351 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.324	14610	2.978 ng/ml
56)	Aroclor 1268 (2)	9.852	14087	0.701 ng/ml
57)	Aroclor 1268 (3)	9.929	11608	0.714 ng/ml
58)	Aroclor 1268 (4)	10.182	255725	18.281 ng/ml
59)	Aroclor 1268 (5)	10.526	16032	3.018 ng/ml
60)	Aroclor 1268 (6)	10.946	556537	15.323 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

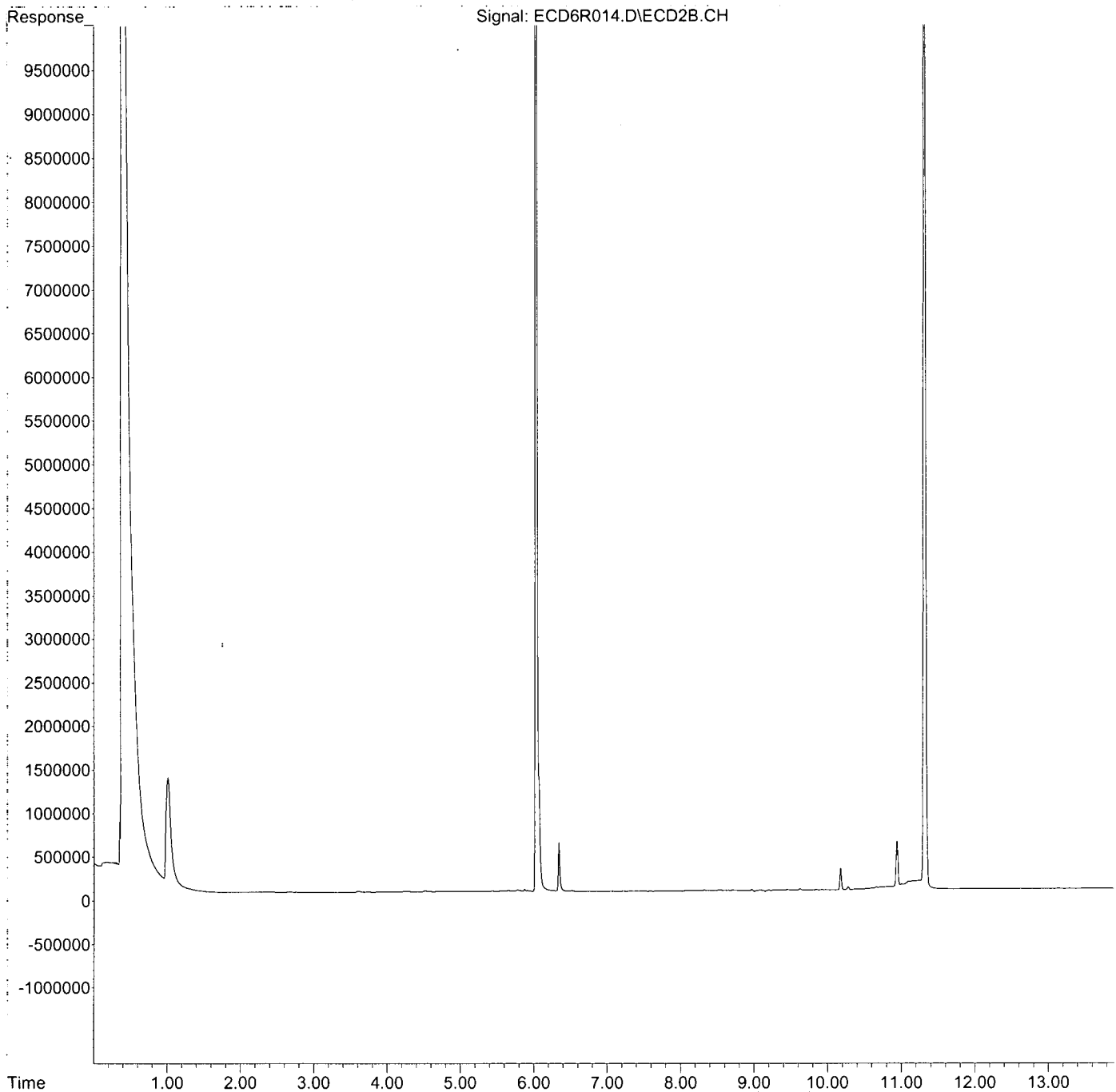
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R014.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 3:30 pm
Operator : MJB/KAK
Sample : A0D0763-02RE1
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:23:45 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R016.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 4:06 pm
 Operator : MJB/KAK
 Sample : A0D0763-03RE1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:24:04 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	30033485	167.084 ng/ml
62) S DCBP (S)	11.326	13695736	175.464 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.705	12157	2.306 ng/ml
3) Aroclor 1016 (2)	7.201	10606	1.249 ng/ml
4) Aroclor 1016 (3)	7.331	10763	2.703 ng/ml
5) Aroclor 1016 (4)	7.414	10058	2.258 ng/ml
6) Aroclor 1016 (5)	7.462	11297	2.345 ng/ml
7) Aroclor 1016 (6)	7.588	11413	2.413 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.191	21351	15.286 ng/ml
10) Aroclor 1221 (2)	6.279	16610	12.695 ng/ml
11) Aroclor 1221 (3)	6.344	635106	150.301 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	635106	182.845 ng/ml
14) Aroclor 1232 (2)	6.705	12157	5.886 ng/ml
15) Aroclor 1232 (3)	7.201	10606	3.173 ng/ml
16) Aroclor 1232 (4)	7.414	10058	7.011 ng/ml
17) Aroclor 1232 (5)	7.462	11297	6.816 ng/ml
18) Aroclor 1232 (6)	7.588	11413	6.820 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.705	12157	3.282 ng/ml
21) Aroclor 1242 (2)	7.201	10606	1.697 ng/ml
22) Aroclor 1242 (3)	7.331	10763	3.601 ng/ml
23) Aroclor 1242 (4)	7.414	10058	3.335 ng/ml
24) Aroclor 1242 (5)	7.462	11297	3.352 ng/ml
25) Aroclor 1242 (6)	7.588	11413	3.256 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.169	11327	2.891 ng/ml
28) Aroclor 1248 (2)	7.414	10058	1.933 ng/ml
29) Aroclor 1248 (3)	7.462	11297	2.374 ng/ml
30) Aroclor 1248 (4)	7.588	11413	2.002 ng/ml
31) Aroclor 1248 (5)	7.953	10511	1.527 ng/ml
32) Aroclor 1248 (6)	8.123	17761	3.010 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.932	11628	1.531 ng/ml
35) Aroclor 1254 (2)	8.123	17761	1.609 ng/ml
36) Aroclor 1254 (3)	8.426	13667	1.122 ng/ml
37) Aroclor 1254 (4)	8.665	14603	1.759 ng/ml
38) Aroclor 1254 (5)	8.974	24545	2.733 ng/ml
39) Aroclor 1254 (6)	9.260	14856	5.838 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.554	15284	1.652 ng/ml
42) Aroclor 1260 (2)	8.767	14122	1.285 ng/ml
43) Aroclor 1260 (3)	8.974	24545	2.212 ng/ml
44) Aroclor 1260 (4)	9.548	14523	0.922 ng/ml

N.P.M.

Data Path : S:\DATA\0E18037\
 Data File : ECD6R016.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 4:06 pm
 Operator : MJB/KAK
 Sample : A0D0763-03RE1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:24:04 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.852	15086	1.627 ng/ml
46)	Aroclor 1260 (6)	10.525	16420	4.524 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.767	14122	1.672 ng/ml
49)	Aroclor 1262 (2)	9.077	13897	1.211 ng/ml
50)	Aroclor 1262 (3)	9.270	14608	1.664 ng/ml
51)	Aroclor 1262 (4)	9.548	14523	0.816 ng/ml
52)	Aroclor 1262 (5)	9.852	15086	1.409 ng/ml
53)	Aroclor 1262 (6)	10.525	16420	3.432 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.327	14571	2.970 ng/ml
56)	Aroclor 1268 (2)	9.852	15086	0.751 ng/ml
57)	Aroclor 1268 (3)	9.932	13164	0.810 ng/ml
58)	Aroclor 1268 (4)	10.183	255006	18.230 ng/ml
59)	Aroclor 1268 (5)	10.525	16420	3.091 ng/ml
60)	Aroclor 1268 (6)	10.947	548762	15.109 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

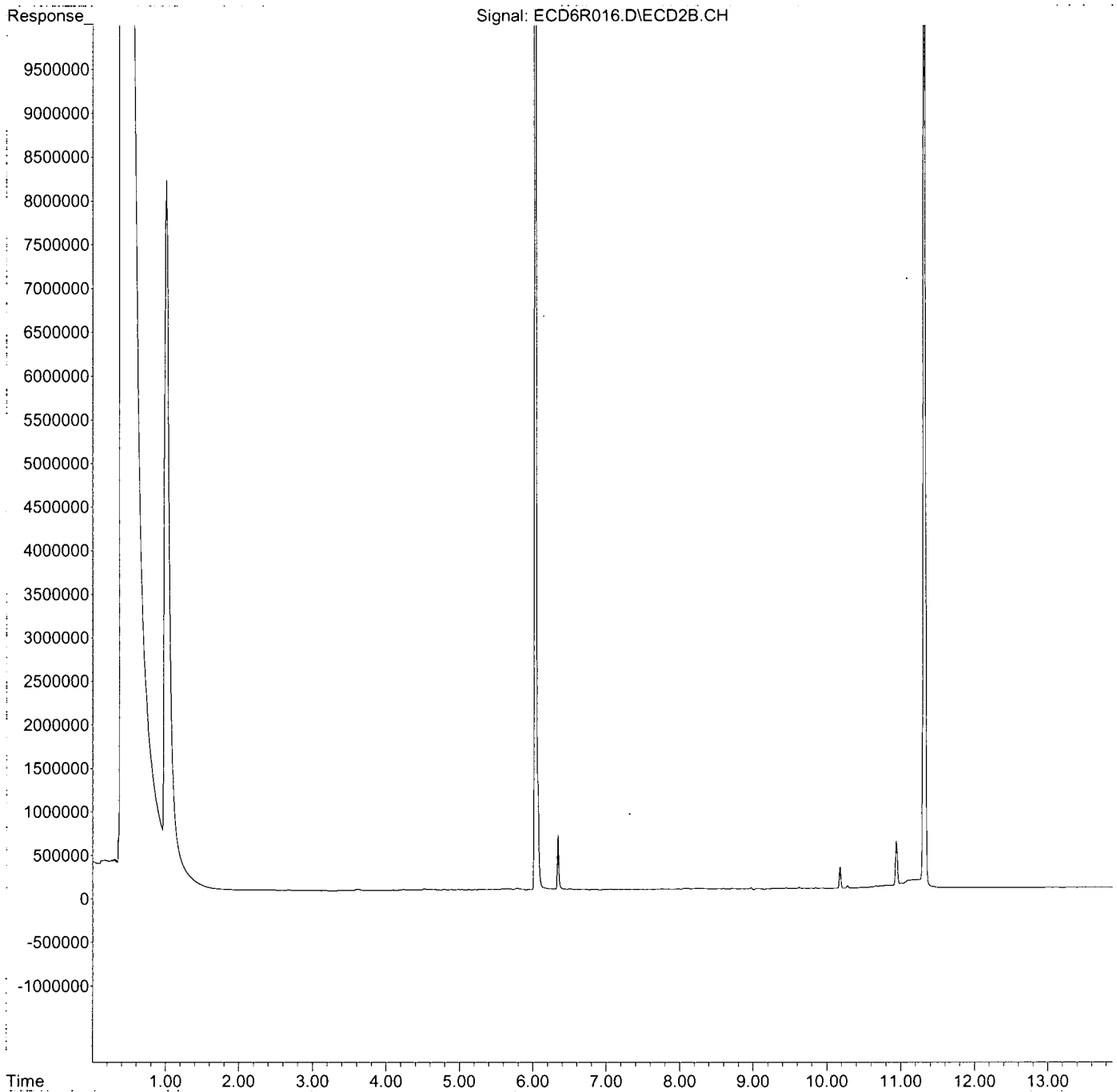
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R016.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 4:06 pm
Operator : MJB/KAK
Sample : AOD0763-03RE1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:24:04 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R018.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 4:41 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:25:46 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.034	47740949	265.595	ng/ml
62) S DCBP (S)	11.326	20966875	268.618	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.705	2608334	494.710	ng/ml
3) Aroclor 1016 (2)	7.198	4676873	550.943	ng/ml
4) Aroclor 1016 (3)	7.328	2078362	522.047	ng/ml
5) Aroclor 1016 (4)	7.411	2275899	510.934	ng/ml
6) Aroclor 1016 (5)	7.457	2508188	520.559	ng/ml
7) Aroclor 1016 (6)	7.585	2507585	530.110	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.193	236086	169.024	ng/ml
10) Aroclor 1221 (2)	6.281	357486	273.227	ng/ml
11) Aroclor 1221 (3)	6.368	1698593	401.981	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.368	1698593	489.021	ng/ml
14) Aroclor 1232 (2)	6.705	2608334	1262.897	ng/ml
15) Aroclor 1232 (3)	7.198	4676873	1399.088	ng/ml
16) Aroclor 1232 (4)	7.411	2275899	1586.456	ng/ml
17) Aroclor 1232 (5)	7.457	2508188	1513.343	ng/ml
18) Aroclor 1232 (6)	7.585	2507585	1498.398	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.705	2608334	704.133	ng/ml
21) Aroclor 1242 (2)	7.198	4676873	748.171	ng/ml
22) Aroclor 1242 (3)	7.328	2078362	695.423	ng/ml
23) Aroclor 1242 (4)	7.411	2275899	754.684	ng/ml
24) Aroclor 1242 (5)	7.457	2508188	744.304	ng/ml
25) Aroclor 1242 (6)	7.585	2507585	715.334	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.170	4002375	1021.537	ng/ml
28) Aroclor 1248 (2)	7.411	2275899	437.478	ng/ml
29) Aroclor 1248 (3)	7.457	2508188	527.114	ng/ml
30) Aroclor 1248 (4)	7.585	2507585	439.798	ng/ml
31) Aroclor 1248 (5)	7.929	1745900	253.610	ng/ml
32) Aroclor 1248 (6)	8.111	1976359	334.955	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.929	1745900	229.884	ng/ml
35) Aroclor 1254 (2)	8.111	1976359	179.095	ng/ml
36) Aroclor 1254 (3)	8.427	1156536	94.972	ng/ml
37) Aroclor 1254 (4)	8.668	741993	89.358	ng/ml
38) Aroclor 1254 (5)	9.006	6129222	682.562	ng/ml
39) Aroclor 1254 (6)	9.240	812393	319.275	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.562	5005522	540.923	ng/ml
42) Aroclor 1260 (2)	8.768	6205373	564.874	ng/ml
43) Aroclor 1260 (3)	9.006	6129222	552.421	ng/ml
44) Aroclor 1260 (4)	9.547	8967116	569.118	ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R018.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 4:41 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:25:46 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (5)	9.853	5197873	560.460	ng/ml
46)	Aroclor 1260 (6)	10.524	1943782	535.612	ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48)	Aroclor 1262 (1)	8.768	6205373	734.570	ng/ml
49)	Aroclor 1262 (2)	9.076	4377453	381.577	ng/ml
50)	Aroclor 1262 (3)	9.274	4142336	471.771	ng/ml
51)	Aroclor 1262 (4)	9.547	8967116	503.560	ng/ml
52)	Aroclor 1262 (5)	9.853	5197873	485.488	ng/ml
53)	Aroclor 1262 (6)	10.524	1943782	406.311	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	9.319	335856	68.449	ng/ml
56)	Aroclor 1268 (2)	9.853	5197873	258.694	ng/ml
57)	Aroclor 1268 (3)	9.926	2040802	125.558	ng/ml
58)	Aroclor 1268 (4)	10.182	163681	11.701	ng/ml
59)	Aroclor 1268 (5)	10.524	1943782	365.872	ng/ml
60)	Aroclor 1268 (6)	10.947	537384	14.796	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

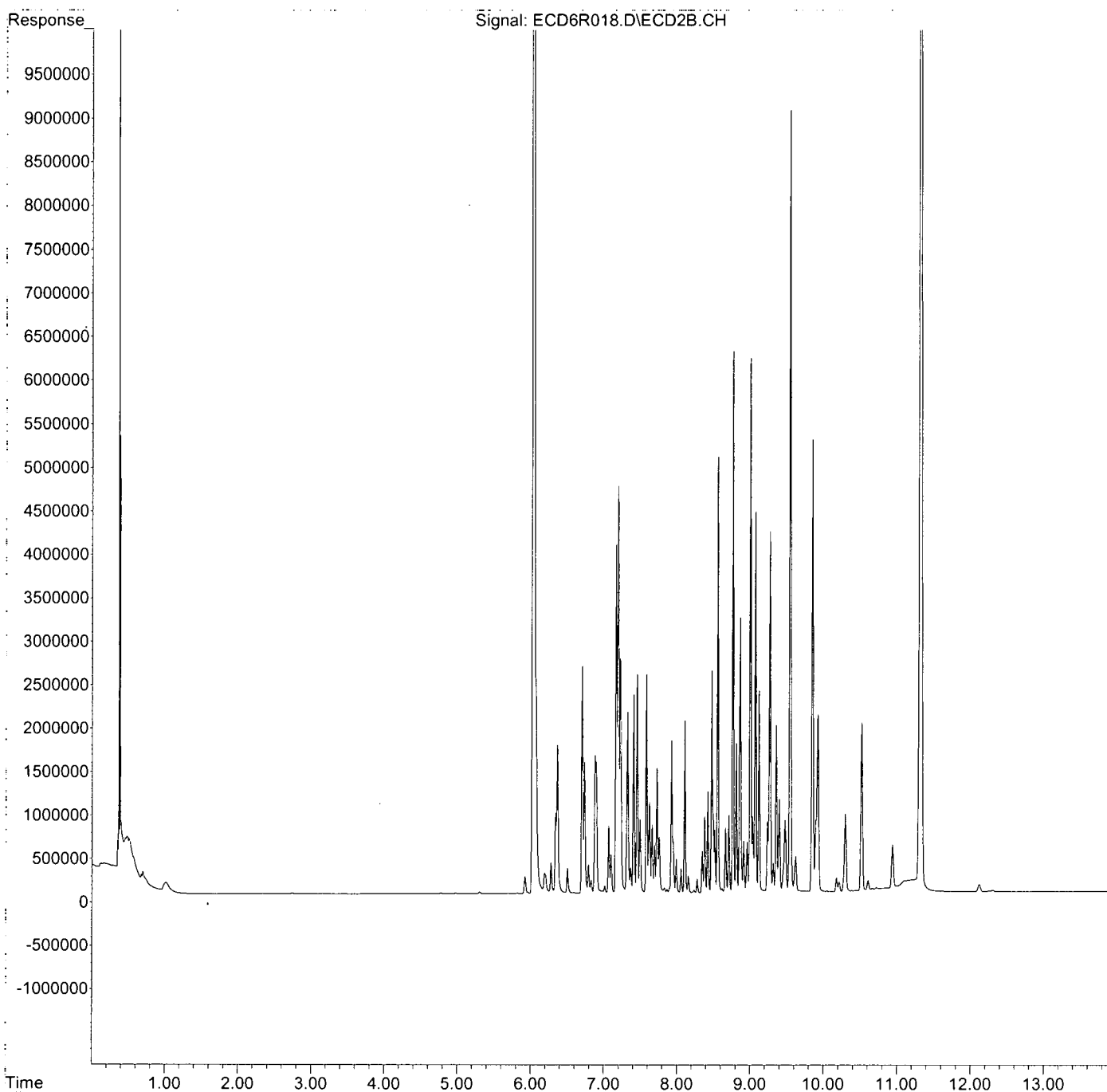
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R018.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 4:41 pm
Operator : MJB/KAK
Sample : 0E18037-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:25:46 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R019.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 4:59 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:06 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 5/19/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	19366046	107.738 ng/ml
62) S DCBP (S)	11.327	8241277	105.584 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.716	1090	0.207 ng/ml
3) Aroclor 1016 (2)	7.213	2621	0.309 ng/ml
4) Aroclor 1016 (3)	7.328	865	0.217 ng/ml
5) Aroclor 1016 (4)	7.418	825	0.185 ng/ml
6) Aroclor 1016 (5)	7.467	1062	0.220 ng/ml
7) Aroclor 1016 (6)	7.585	705	0.149 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.217	14484	10.370 ng/ml
10) Aroclor 1221 (2)	6.267	9618	7.351 ng/ml
11) Aroclor 1221 (3)	6.344	373029	88.279 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	373029	107.394 ng/ml
14) Aroclor 1232 (2)	6.716	1090	0.528 ng/ml
15) Aroclor 1232 (3)	7.213	2621	0.784 ng/ml
16) Aroclor 1232 (4)	7.418	825	0.575 ng/ml
17) Aroclor 1232 (5)	7.467	1062	0.641 ng/ml
18) Aroclor 1232 (6)	7.585	705	0.421 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.716	1090	0.294 ng/ml
21) Aroclor 1242 (2)	7.213	2621	0.419 ng/ml
22) Aroclor 1242 (3)	7.328	865	0.289 ng/ml
23) Aroclor 1242 (4)	7.418	825	0.274 ng/ml
24) Aroclor 1242 (5)	7.467	1062	0.315 ng/ml
25) Aroclor 1242 (6)	7.585	705	0.201 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.186	1867	0.477 ng/ml
28) Aroclor 1248 (2)	7.418	825	0.159 ng/ml
29) Aroclor 1248 (3)	7.467	1062	0.223 ng/ml
30) Aroclor 1248 (4)	7.585	705	0.124 ng/ml
31) Aroclor 1248 (5)	7.955	656	0.095 ng/ml
32) Aroclor 1248 (6)	8.116	1941	0.329 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.934	713	0.094 ng/ml
35) Aroclor 1254 (2)	8.116	1941	0.176 ng/ml
36) Aroclor 1254 (3)	8.429	1849	0.152 ng/ml
37) Aroclor 1254 (4)	8.669	572	0.069 ng/ml
38) Aroclor 1254 (5)	8.980	10283	1.145 ng/ml
39) Aroclor 1254 (6)	9.238	484	0.190 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.567	1481	0.160 ng/ml
42) Aroclor 1260 (2)	8.767	2385	0.217 ng/ml
43) Aroclor 1260 (3)	8.980	10283	0.927 ng/ml
44) Aroclor 1260 (4)	9.548	1670	0.106 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R019.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 4:59 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:06 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.854	2484	0.268 ng/ml
46)	Aroclor 1260 (6)	10.532	6653	1.833 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.767	2385	0.282 ng/ml
49)	Aroclor 1262 (2)	9.076	1007	0.088 ng/ml
50)	Aroclor 1262 (3)	9.272	1692	0.193 ng/ml
51)	Aroclor 1262 (4)	9.548	1670	0.094 ng/ml
52)	Aroclor 1262 (5)	9.854	2484	0.232 ng/ml
53)	Aroclor 1262 (6)	10.532	6653	1.391 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.307	5209	1.062 ng/ml
56)	Aroclor 1268 (2)	9.854	2484	0.124 ng/ml
57)	Aroclor 1268 (3)	9.935	964	0.059 ng/ml
58)	Aroclor 1268 (4)	10.186	44707	3.196 ng/ml
59)	Aroclor 1268 (5)	10.532	6653	1.252 ng/ml
60)	Aroclor 1268 (6)	10.950	66793	1.839 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

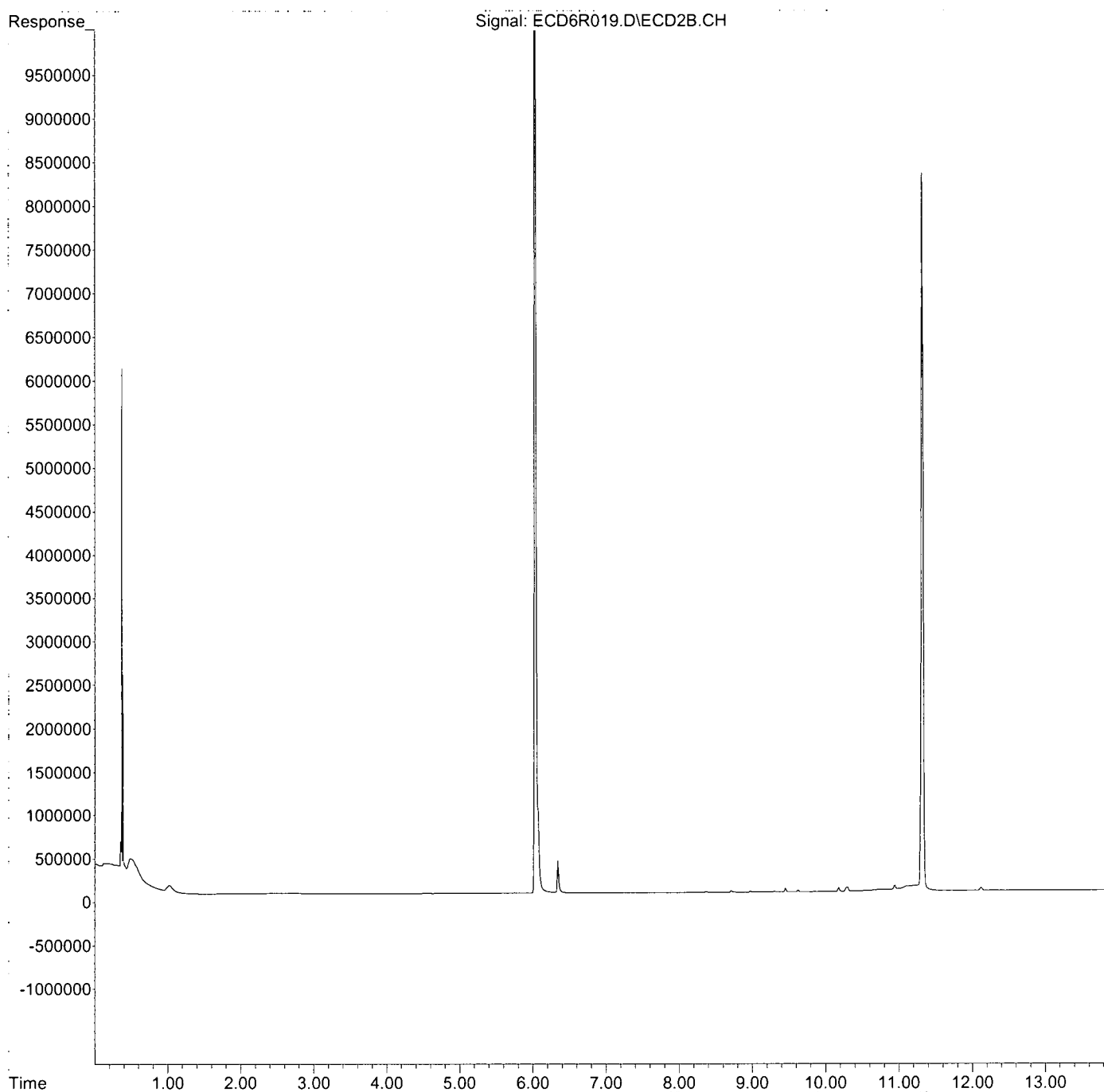
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R019.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 4:59 pm
Operator : MJB/KAK
Sample : 0E18037-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:26:06 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R020.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 5:17 pm
 Operator : MJB/KAK
 Sample : A0D0763-04RE1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:24 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	28910676	160.837 ng/ml
62) S DCBP (S)	11.327	15679470	200.878 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.709	6129	1.162 ng/ml
3) Aroclor 1016 (2)	7.206	6563	0.773 ng/ml
4) Aroclor 1016 (3)	7.324	5263	1.322 ng/ml
5) Aroclor 1016 (4)	7.415	5353	1.202 ng/ml
6) Aroclor 1016 (5)	7.464	5305	1.101 ng/ml
7) Aroclor 1016 (6)	7.590	5486	1.160 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)	6.308	11024	8.426 ng/ml
11) Aroclor 1221 (3)	6.344	601606	142.373 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	601606	173.201 ng/ml
14) Aroclor 1232 (2)	6.709	6129	2.967 ng/ml
15) Aroclor 1232 (3)	7.206	6563	1.963 ng/ml
16) Aroclor 1232 (4)	7.415	5353	3.731 ng/ml
17) Aroclor 1232 (5)	7.464	5305	3.201 ng/ml
18) Aroclor 1232 (6)	7.590	5486	3.278 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.709	6129	1.655 ng/ml
21) Aroclor 1242 (2)	7.206	6563	1.050 ng/ml
22) Aroclor 1242 (3)	7.324	5263	1.761 ng/ml
23) Aroclor 1242 (4)	7.415	5353	1.775 ng/ml
24) Aroclor 1242 (5)	7.464	5305	1.574 ng/ml
25) Aroclor 1242 (6)	7.590	5486	1.565 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.173	6055	1.545 ng/ml
28) Aroclor 1248 (2)	7.415	5353	1.029 ng/ml
29) Aroclor 1248 (3)	7.464	5305	1.115 ng/ml
30) Aroclor 1248 (4)	7.590	5486	0.962 ng/ml
31) Aroclor 1248 (5)	7.954	5531	0.803 ng/ml
32) Aroclor 1248 (6)	8.112	7256	1.230 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.933	5619	0.740 ng/ml
35) Aroclor 1254 (2)	8.112	7256	0.658 ng/ml
36) Aroclor 1254 (3)	8.427	7442	0.611 ng/ml
37) Aroclor 1254 (4)	8.667	8705	1.048 ng/ml
38) Aroclor 1254 (5)	9.042	9704	1.081 ng/ml
39) Aroclor 1254 (6)	9.215	8785	3.453 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.562	7630	0.825 ng/ml
42) Aroclor 1260 (2)	8.768	10093	0.919 ng/ml
43) Aroclor 1260 (3)	9.042	9704	0.875 ng/ml
44) Aroclor 1260 (4)	9.548	10912	0.693 ng/ml

Quantitation Report (Not Reviewed)

Data Path : S:\DATA\0E18037\
 Data File : ECD6R020.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 5:17 pm
 Operator : MJB/KAK
 Sample : A0D0763-04RE1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:24 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound .	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.854	12895	1.390 ng/ml
46)	Aroclor 1260 (6)	10.531	17544	4.834 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.768	10093	1.195 ng/ml
49)	Aroclor 1262 (2)	9.078	10617	0.926 ng/ml
50)	Aroclor 1262 (3)	9.273	10852	1.236 ng/ml
51)	Aroclor 1262 (4)	9.548	10912	0.613 ng/ml
52)	Aroclor 1262 (5)	9.854	12895	1.204 ng/ml
53)	Aroclor 1262 (6)	10.531	17544	3.667 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.324	10556	2.151 ng/ml
56)	Aroclor 1268 (2)	9.854	12895	0.642 ng/ml
57)	Aroclor 1268 (3)	9.928	10610	0.653 ng/ml
58)	Aroclor 1268 (4)	10.183	283692	20.281 ng/ml
59)	Aroclor 1268 (5)	10.531	17544	3.302 ng/ml
60)	Aroclor 1268 (6)	10.948	612912	16.875 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

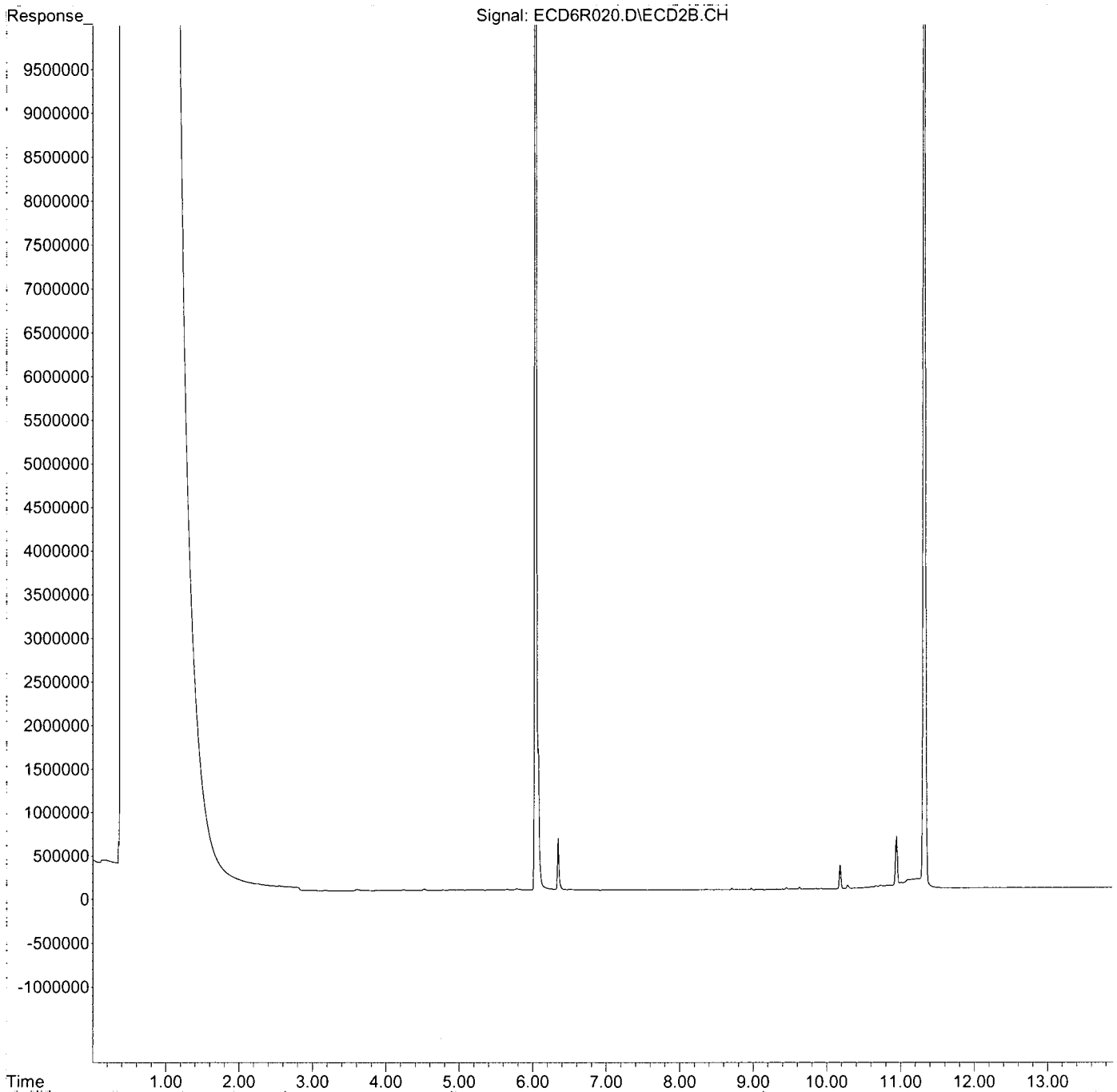
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R020.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 5:17 pm
Operator : MJB/KAK
Sample : A0D0763-04RE1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:26:24 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R022.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 5:52 pm
 Operator : MJB/KAK
 Sample : A0D0763-05RE1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:41 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	27219797	151.431 ng/ml
62) S DCBP (S)	11.327	14414367	184.670 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.705	13694	2.597 ng/ml
3) Aroclor 1016 (2)	7.201	16300	1.920 ng/ml
4) Aroclor 1016 (3)	7.333	14237	3.576 ng/ml
5) Aroclor 1016 (4)	7.413	14619	3.282 ng/ml
6) Aroclor 1016 (5)	7.460	13644	2.832 ng/ml
7) Aroclor 1016 (6)	7.587	12927	2.733 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.235f	19824	14.193 ng/ml
10) Aroclor 1221 (2)	6.269	17389	13.290 ng/ml
11) Aroclor 1221 (3)	6.344	553174	130.912 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	553174	159.257 ng/ml
14) Aroclor 1232 (2)	6.705	13694	6.630 ng/ml
15) Aroclor 1232 (3)	7.201	16300	4.876 ng/ml
16) Aroclor 1232 (4)	7.413	14619	10.190 ng/ml
17) Aroclor 1232 (5)	7.460	13644	8.232 ng/ml
18) Aroclor 1232 (6)	7.587	12927	7.725 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.705	13694	3.697 ng/ml
21) Aroclor 1242 (2)	7.201	16300	2.608 ng/ml
22) Aroclor 1242 (3)	7.333	14237	4.764 ng/ml
23) Aroclor 1242 (4)	7.413	14619	4.848 ng/ml
24) Aroclor 1242 (5)	7.460	13644	4.049 ng/ml
25) Aroclor 1242 (6)	7.587	12927	3.688 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.176	15499	3.956 ng/ml
28) Aroclor 1248 (2)	7.413	14619	2.810 ng/ml
29) Aroclor 1248 (3)	7.460	13644	2.867 ng/ml
30) Aroclor 1248 (4)	7.587	12927	2.267 ng/ml
31) Aroclor 1248 (5)	7.954	10831	1.573 ng/ml
32) Aroclor 1248 (6)	8.113	13730	2.327 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.932	12889	1.697 ng/ml
35) Aroclor 1254 (2)	8.113	13730	1.244 ng/ml
36) Aroclor 1254 (3)	8.427	12400	1.018 ng/ml
37) Aroclor 1254 (4)	8.669	10288	1.239 ng/ml
38) Aroclor 1254 (5)	8.976	21279	2.370 ng/ml
39) Aroclor 1254 (6)	9.216	7152	2.811 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.562	9426	1.019 ng/ml
42) Aroclor 1260 (2)	8.768	11046	1.006 ng/ml
43) Aroclor 1260 (3)	8.976	21279	1.918 ng/ml
44) Aroclor 1260 (4)	9.547	9395	0.596 ng/ml

N.P.M.

Data Path : S:\DATA\0E18037\
 Data File : ECD6R022.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 5:52 pm
 Operator : MJB/KAK
 Sample : A0D0763-05RE1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:41 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.852	11914	1.285 ng/ml
46) Aroclor 1260 (6)	10.530	16349	4.505 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.768	11046	1.308 ng/ml
49) Aroclor 1262 (2)	9.077	9387	0.818 ng/ml
50) Aroclor 1262 (3)	9.274	9176	1.045 ng/ml
51) Aroclor 1262 (4)	9.547	9395	0.528 ng/ml
52) Aroclor 1262 (5)	9.852	11914	1.113 ng/ml
53) Aroclor 1262 (6)	10.530	16349	3.418 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.323	8907	1.815 ng/ml
56) Aroclor 1268 (2)	9.852	11914	0.593 ng/ml
57) Aroclor 1268 (3)	9.929	9472	0.583 ng/ml
58) Aroclor 1268 (4)	10.183	272923	19.511 ng/ml
59) Aroclor 1268 (5)	10.530	16349	3.077 ng/ml
60) Aroclor 1268 (6)	10.947	576390	15.870 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

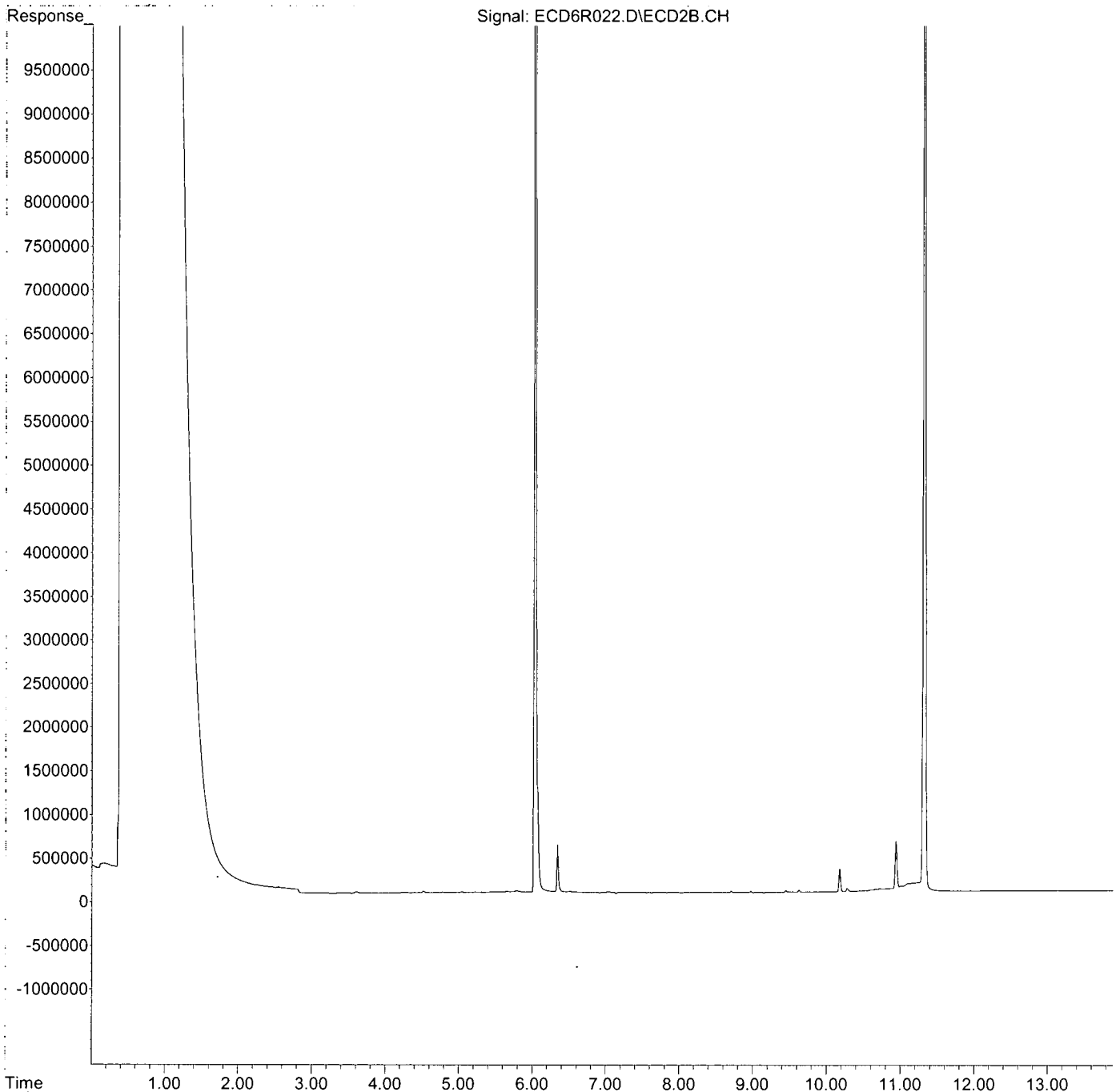
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R022.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 5:52 pm
Operator : MJB/KAK
Sample : A0D0763-05RE1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:26:41 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R024.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 6:28 pm
 Operator : MJB/KAK
 Sample : A0D0763-07
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:59 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	29331565	163.179 ng/ml
62) S DCBP (S)	11.326	14762176	189.126 ng/ml

Compound	R.T.	Response	Conc Units
Target Compounds			
2) Aroclor 1016 (1)	6.711	9853	1.869 ng/ml
3) Aroclor 1016 (2)	7.199	8222	0.969 ng/ml
4) Aroclor 1016 (3)	7.337	6311	1.585 ng/ml
5) Aroclor 1016 (4)	7.409	5577	1.252 ng/ml
6) Aroclor 1016 (5)	7.463	5291	1.098 ng/ml
7) Aroclor 1016 (6)	7.587	5202	1.100 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.230	15155	10.850 ng/ml
10) Aroclor 1221 (2)	6.230f	15155	11.583 ng/ml
11) Aroclor 1221 (3)	6.344	574286	135.908 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	574286	165.335 ng/ml
14) Aroclor 1232 (2)	6.711	9853	4.771 ng/ml
15) Aroclor 1232 (3)	7.199	8222	2.460 ng/ml
16) Aroclor 1232 (4)	7.409	5577	3.887 ng/ml
17) Aroclor 1232 (5)	7.463	5291	3.192 ng/ml
18) Aroclor 1232 (6)	7.587	5202	3.108 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.711	9853	2.660 ng/ml
21) Aroclor 1242 (2)	7.199	8222	1.315 ng/ml
22) Aroclor 1242 (3)	7.337	6311	2.112 ng/ml
23) Aroclor 1242 (4)	7.409	5577	1.849 ng/ml
24) Aroclor 1242 (5)	7.463	5291	1.570 ng/ml
25) Aroclor 1242 (6)	7.587	5202	1.484 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.168	7764	1.982 ng/ml
28) Aroclor 1248 (2)	7.409	5577	1.072 ng/ml
29) Aroclor 1248 (3)	7.463	5291	1.112 ng/ml
30) Aroclor 1248 (4)	7.587	5202	0.912 ng/ml
31) Aroclor 1248 (5)	7.955	3249	0.472 ng/ml
32) Aroclor 1248 (6)	8.109	4310	0.730 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.934	3593	0.473 ng/ml
35) Aroclor 1254 (2)	8.109	4310	0.391 ng/ml
36) Aroclor 1254 (3)	8.424	3117	0.256 ng/ml
37) Aroclor 1254 (4)	8.668	3130	0.377 ng/ml
38) Aroclor 1254 (5)	9.005	2983	0.332 ng/ml
39) Aroclor 1254 (6)	9.237	861	0.338 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.565	2209	0.239 ng/ml
42) Aroclor 1260 (2)	8.767	2907	0.265 ng/ml
43) Aroclor 1260 (3)	9.005	2983	0.269 ng/ml
44) Aroclor 1260 (4)	9.549	2768	0.176 ng/ml

N.P.M.

Data Path : S:\DATA\0E18037\
 Data File : ECD6R024.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 6:28 pm
 Operator : MJB/KAK
 Sample : A0D0763-07
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:26:59 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.853	6086	0.656 ng/ml
46)	Aroclor 1260 (6)	10.525	13376	3.686 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.767	2907	0.344 ng/ml
49)	Aroclor 1262 (2)	9.078	2035	0.177 ng/ml
50)	Aroclor 1262 (3)	9.273	2061	0.235 ng/ml
51)	Aroclor 1262 (4)	9.549	2768	0.155 ng/ml
52)	Aroclor 1262 (5)	9.853	6086	0.568 ng/ml
53)	Aroclor 1262 (6)	10.525	13376	2.796 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.321	1904	0.388 ng/ml
56)	Aroclor 1268 (2)	9.853	6086	0.303 ng/ml
57)	Aroclor 1268 (3)	9.927	4255	0.262 ng/ml
58)	Aroclor 1268 (4)	10.182	269840	19.291 ng/ml
59)	Aroclor 1268 (5)	10.525	13376	2.518 ng/ml
60)	Aroclor 1268 (6)	10.948	578519	15.928 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

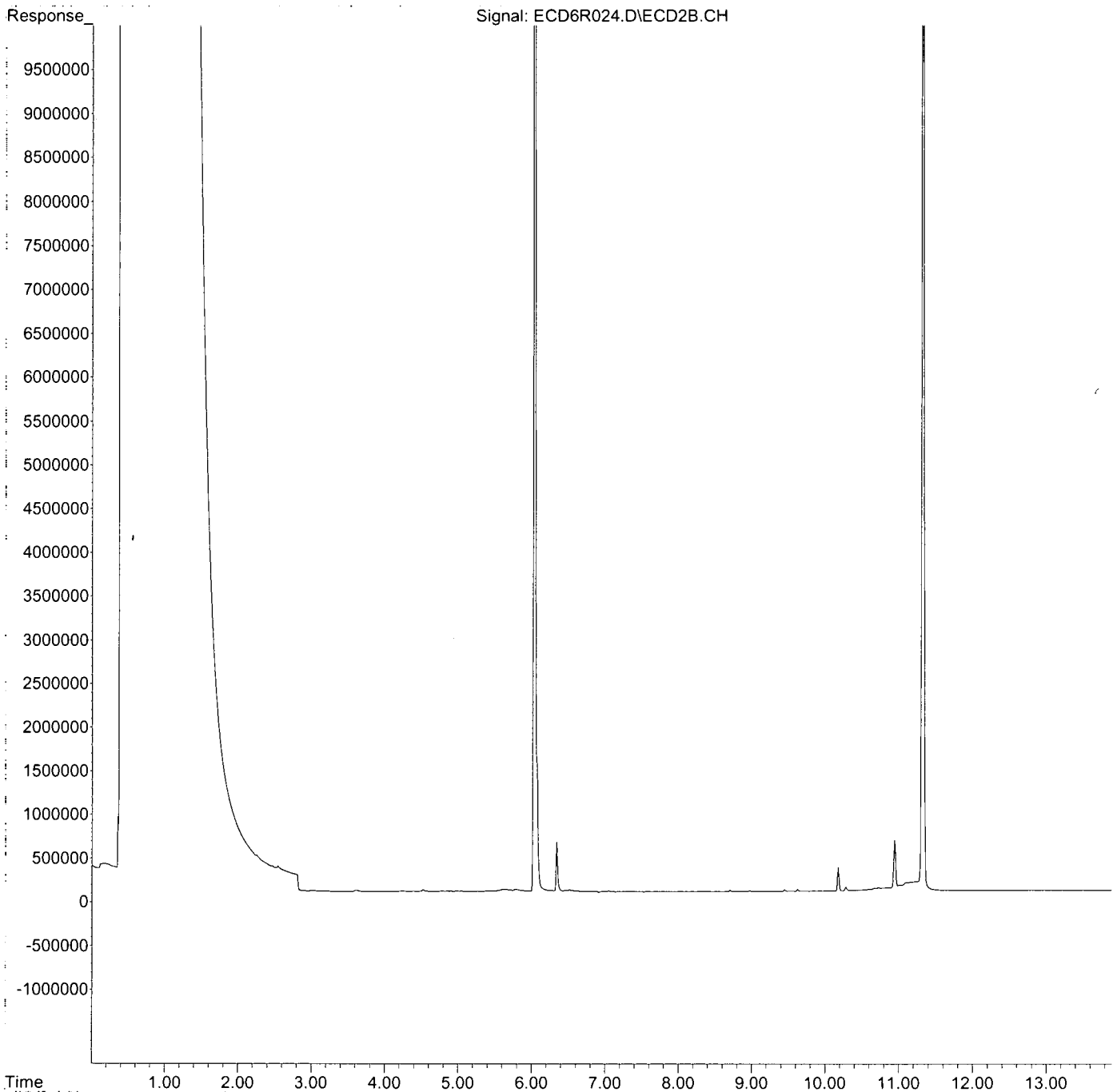
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R024.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 6:28 pm
Operator : MJB/KAK
Sample : A0D0763-07
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:26:59 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R026.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 7:03 pm
 Operator : MJB/KAK
 Sample : A0D0763-08
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 12:03:18 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 5/19/20
 1254 P.10
 1260 (5)

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.033	35092517	195.229 ng/ml
62) S DCBP (S)	11.325	13496346	172.909 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.698	15331	2.908 ng/mlm
3) Aroclor 1016 (2)	7.194	44173	5.204 ng/ml
4) Aroclor 1016 (3)	7.336	53315	13.392 ng/ml
5) Aroclor 1016 (4)	7.409	126800	28.466 ng/ml
6) Aroclor 1016 (5)	7.454	97062	20.145 ng/ml
7) Aroclor 1016 (6)	7.581	97061	20.519 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.191	8004	5.730 ng/mlm
10) Aroclor 1221 (2)	6.289	17506	13.380 ng/mlm
11) Aroclor 1221 (3)	6.362	81813	19.361 ng/mlm
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.363	72398	20.843 ng/mlm
14) Aroclor 1232 (2)	6.695	15330	7.422 ng/mlm
15) Aroclor 1232 (3)	7.194	44173	13.214 ng/ml
16) Aroclor 1232 (4)	7.409	126800	88.388 ng/ml
17) Aroclor 1232 (5)	7.454	97062	58.563 ng/ml
18) Aroclor 1232 (6)	7.581	97061	57.998 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.698	15316	4.135 ng/mlm
21) Aroclor 1242 (2)	7.194	44173	7.066 ng/ml
22) Aroclor 1242 (3)	7.336	53315	17.839 ng/ml
23) Aroclor 1242 (4)	7.409	126800	42.047 ng/ml
24) Aroclor 1242 (5)	7.454	97062	28.803 ng/ml
25) Aroclor 1242 (6)	7.581	97061	27.688 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.166	33437	8.534 ng/ml
28) Aroclor 1248 (2)	7.409	126800	24.374 ng/ml
29) Aroclor 1248 (3)	7.454	97062	20.398 ng/ml
30) Aroclor 1248 (4)	7.581	97061	17.023 ng/ml
31) Aroclor 1248 (5)	7.950	116075	16.861 ng/ml
32) Aroclor 1248 (6)	8.104	408070	69.160 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.928	195695	25.767 ng/ml
35) Aroclor 1254 (2)	8.104	408070	36.979 ng/ml
36) Aroclor 1254 (3)	8.408	561731	46.128 ng/ml
37) Aroclor 1254 (4)	8.663	238900	28.771 ng/ml
38) Aroclor 1254 (5)	9.002	343404	38.242 ng/ml
39) Aroclor 1254 (6)	9.255	93129	36.600 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.559	213573	23.080 ng/ml
42) Aroclor 1260 (2)	8.765	297941	27.121 ng/ml
43) Aroclor 1260 (3)	9.002	343404	30.951 ng/ml
44) Aroclor 1260 (4)	9.546	179775	11.410 ng/ml

Handwritten: 33.272

Handwritten: 12.214

Data Path : S:\DATA\0E18037\
 Data File : ECD6R026.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 7:03 pm
 Operator : MJB/KAK
 Sample : A0D0763-08
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 12:03:18 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.851	121917	13.146 ng/ml
46)	Aroclor 1260 (6)	10.523	43857	12.085 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.765	297941	35.269 ng/ml
49)	Aroclor 1262 (2)	9.074	97265	8.478 ng/ml
50)	Aroclor 1262 (3)	9.269	102755	11.703 ng/ml
51)	Aroclor 1262 (4)	9.546	179775	10.095 ng/ml
52)	Aroclor 1262 (5)	9.851	121917	11.387 ng/ml
53)	Aroclor 1262 (6)	10.523	43857	9.167 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.317	16503	3.363 ng/ml
56)	Aroclor 1268 (2)	9.851	121917	6.068 ng/ml
57)	Aroclor 1268 (3)	9.926	47504	2.923 ng/ml
58)	Aroclor 1268 (4)	10.181	228907	16.364 ng/ml
59)	Aroclor 1268 (5)	10.523	43857	8.255 ng/ml
60)	Aroclor 1268 (6)	10.946	532215	14.653 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

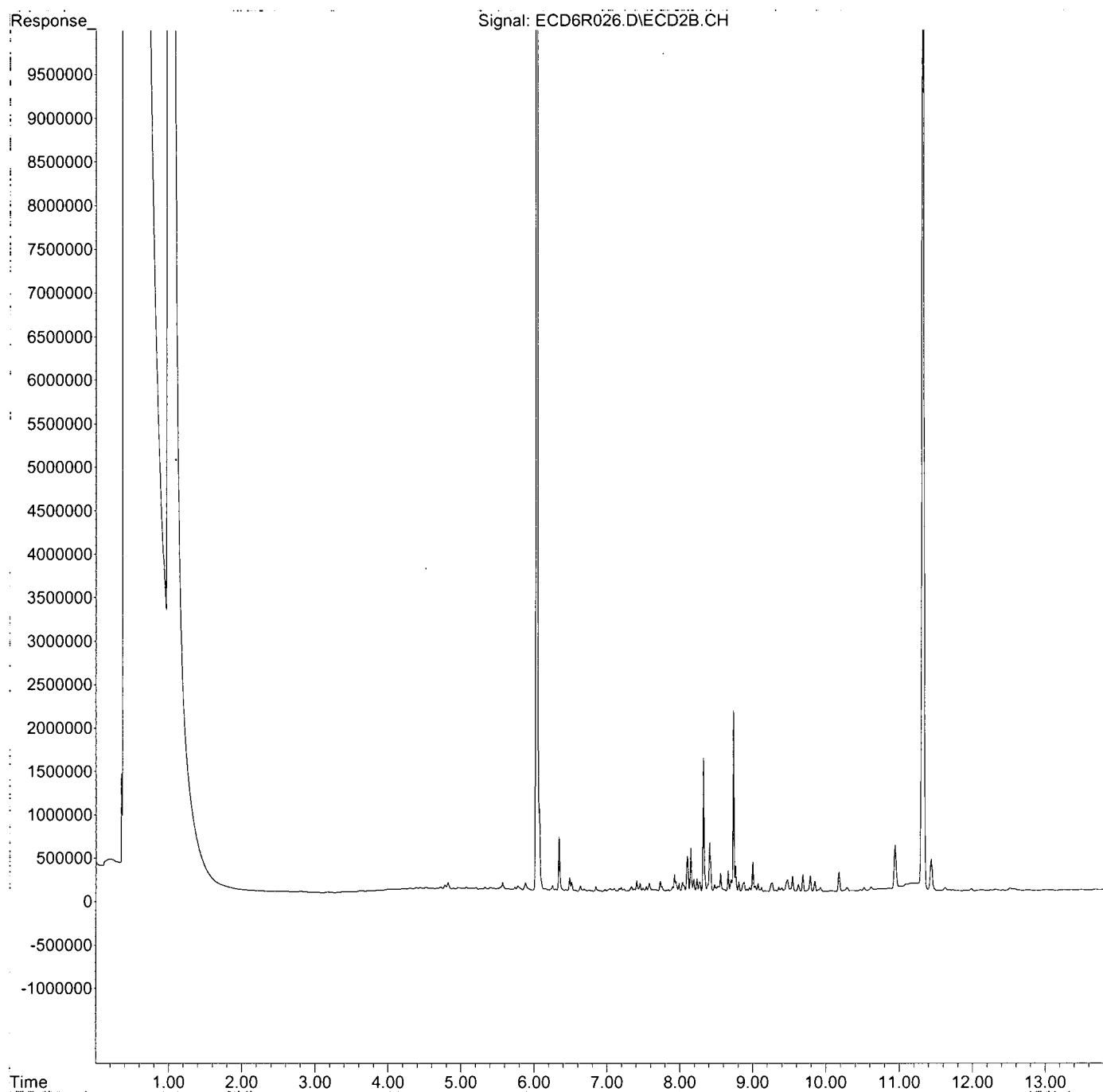
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

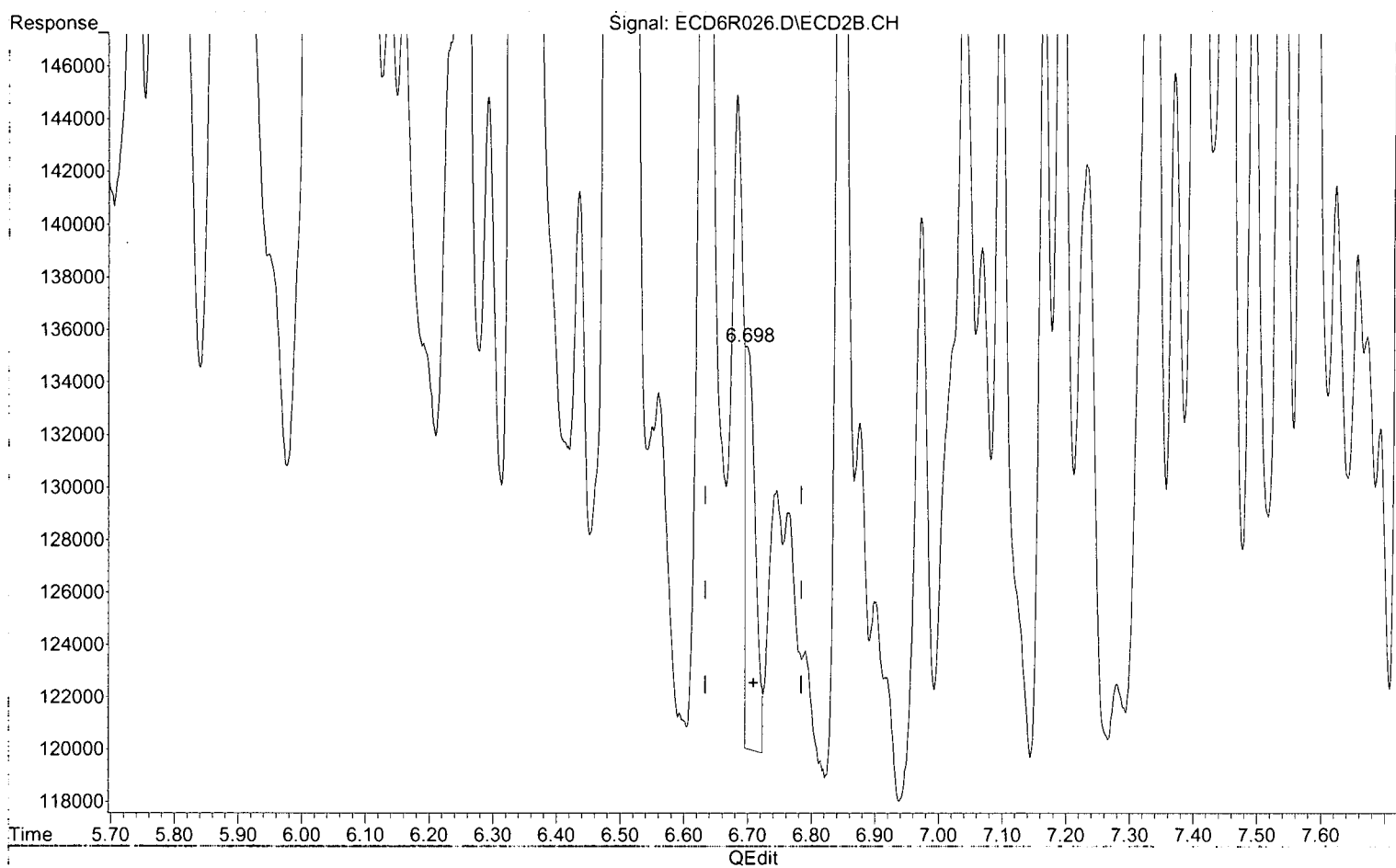


Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(2) Aroclor 1016 (1)

6.698min 2.908 ng/ml

response 15331

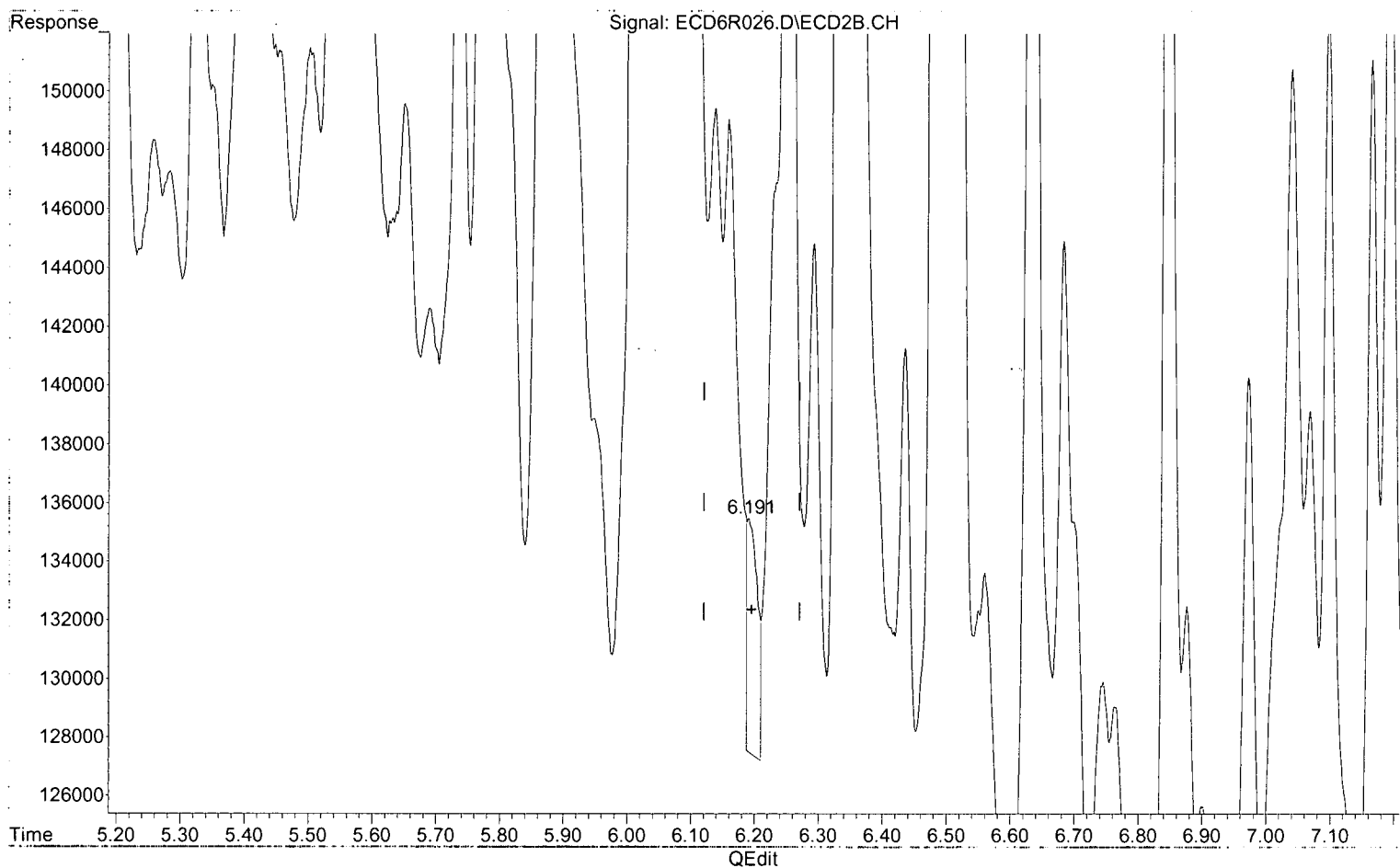
Handwritten signature and date: 5/19/20

Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(9) Aroclor 1221 (1)

6.191min 5.730 ng/ml

response 8004

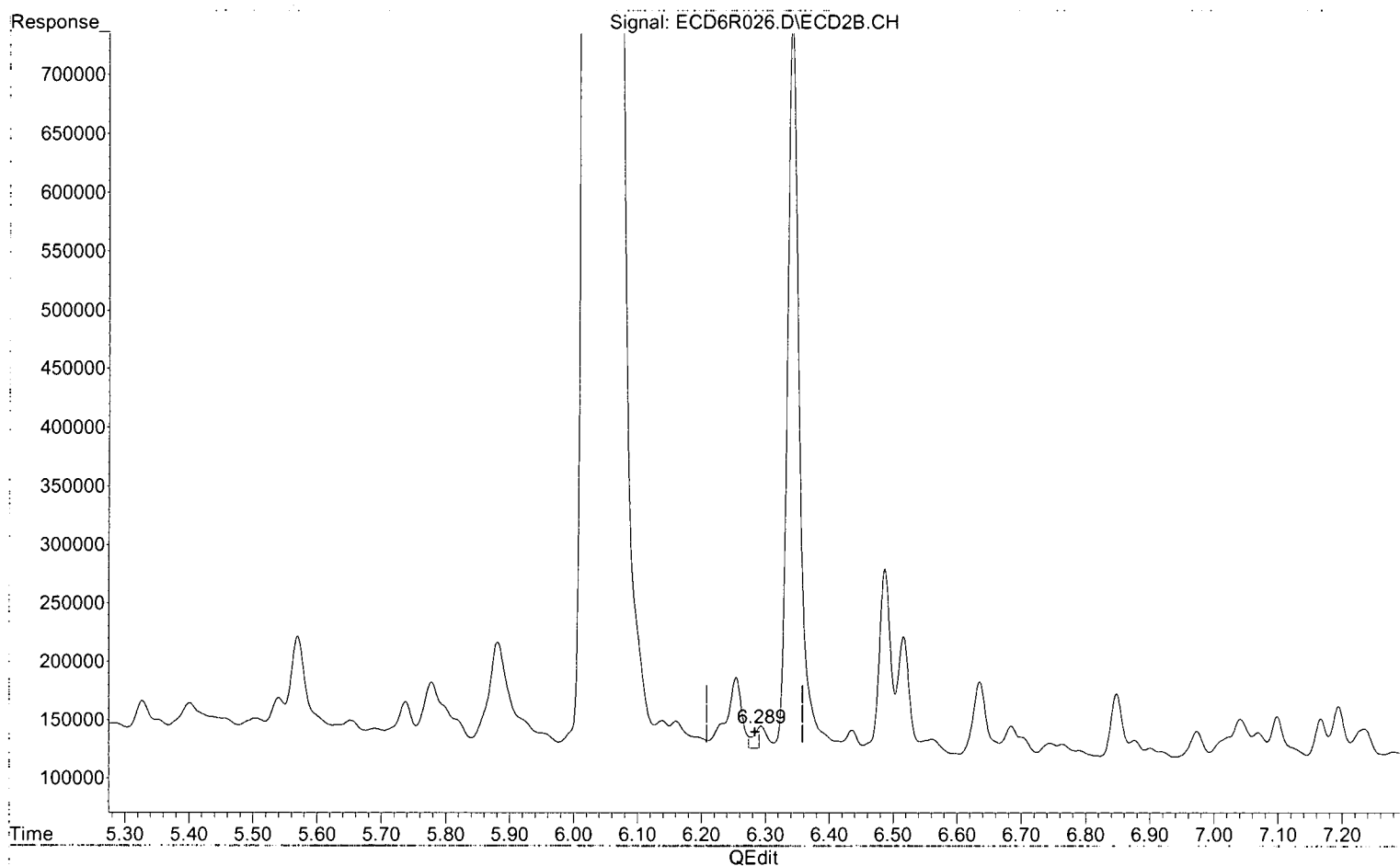
MJB
5/19/20

Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(10) Aroclor 1221 (2)

6.289min 13.380 ng/ml

response 17506

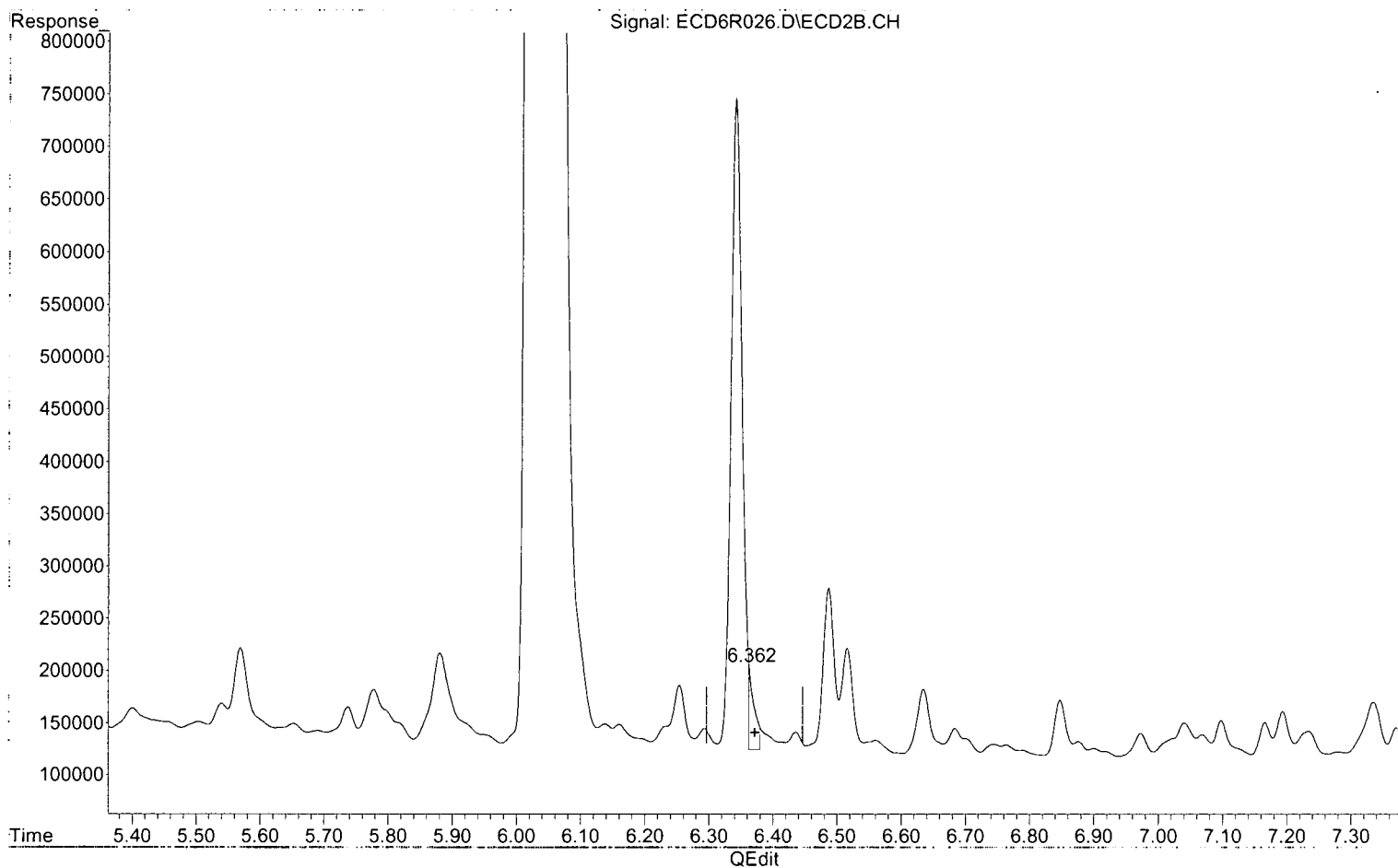
Handwritten signature and date: 5/19/20

Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(11) Aroclor 1221 (3)

6.362min 19.361 ng/ml

response 81813

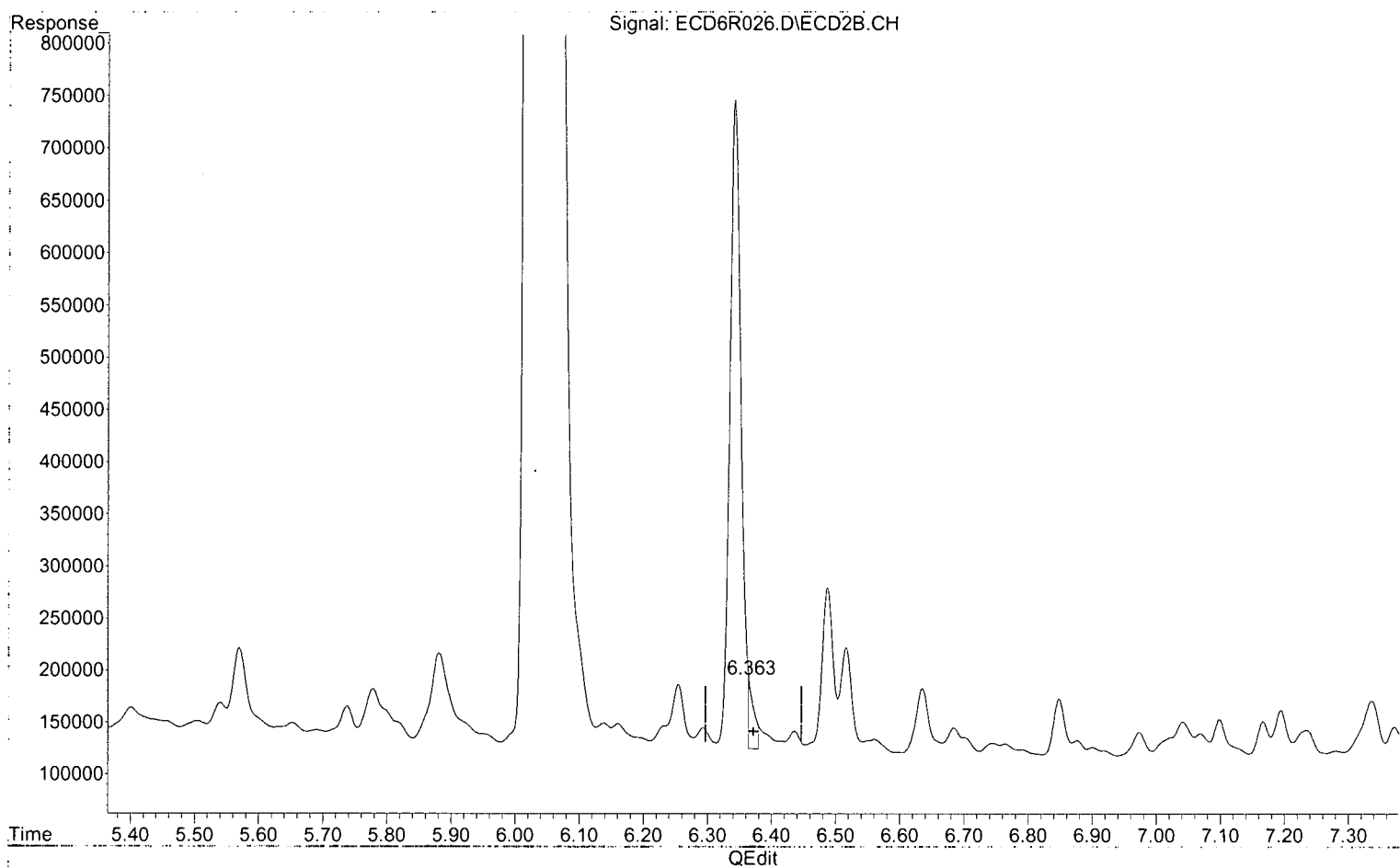
Handwritten signature and date: 5/19/20

Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(13) Aroclor 1232 (1)

6.363min 20.843 ng/ml

response 72398

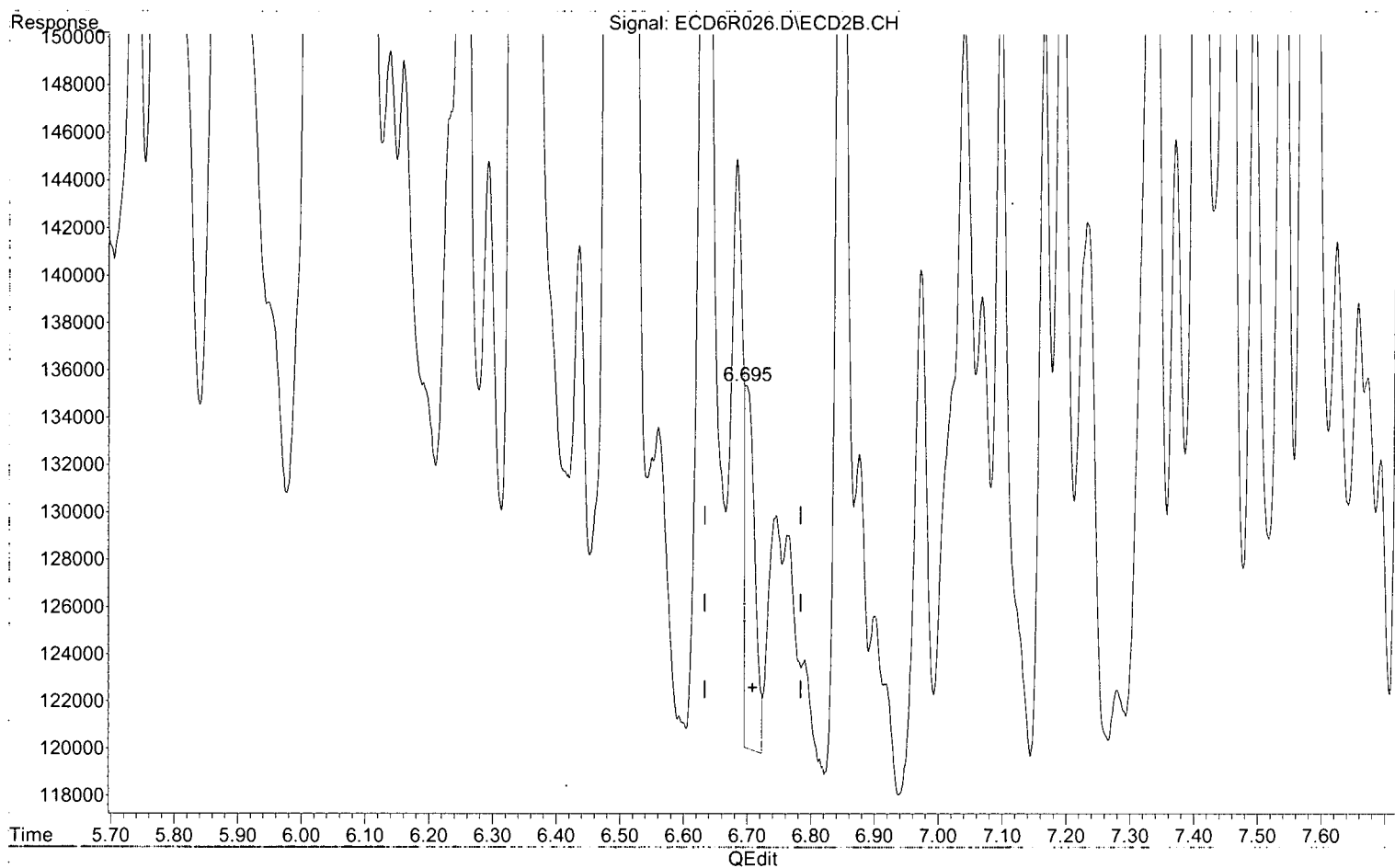
MJB
5/19/20

Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(14) Aroclor 1232 (2)

6.695min 7.422 ng/ml (m)

response 15330

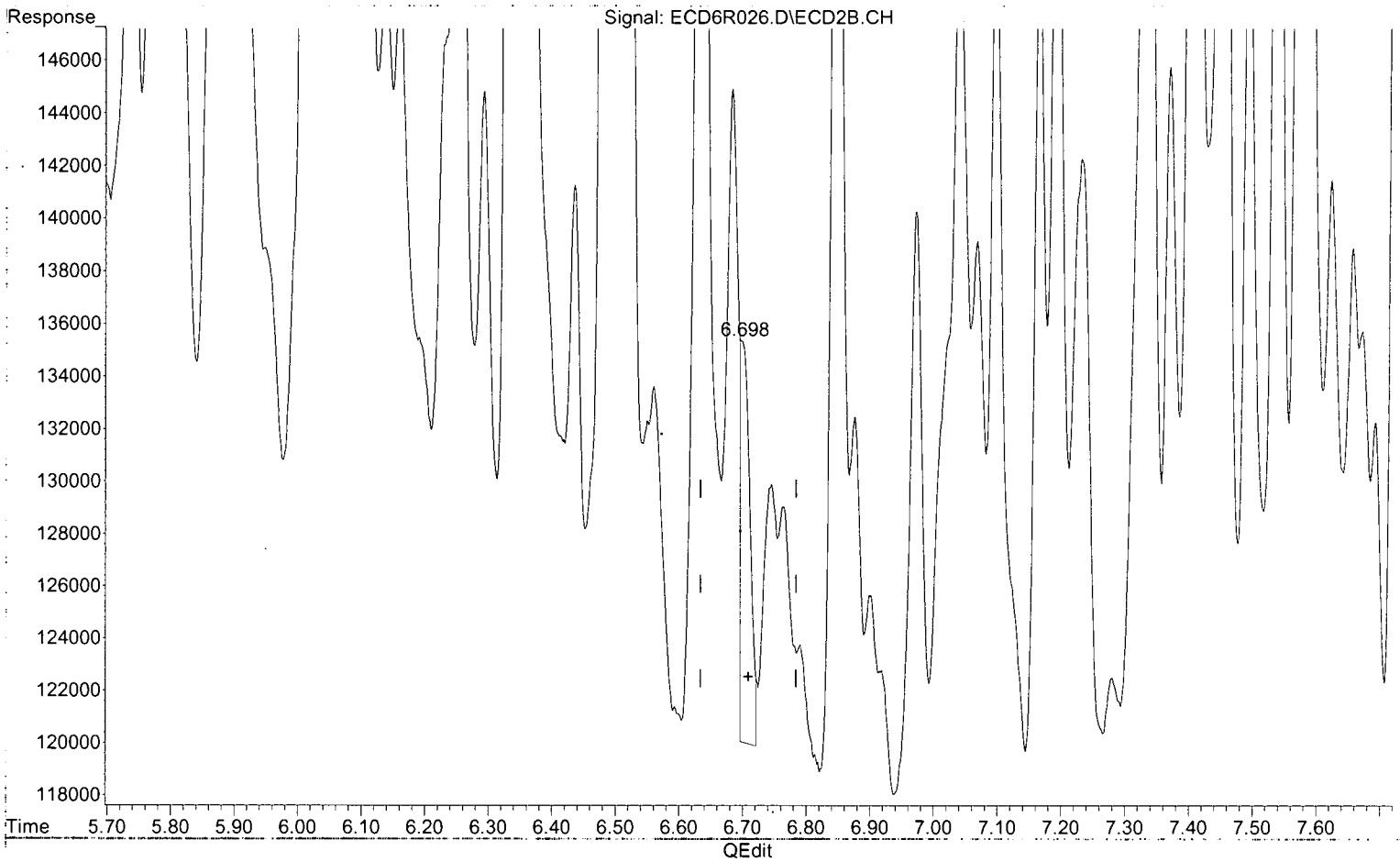
5/19/20

Quantitation Report (Qedit)

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 12:03:18 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(20) Aroclor 1242 (1)

6.698min 4.135 ng/ml

response 15316

MJB
5/19/20

Data Path : S:\DATA\0E18037\
 Data File : ECD6R026.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 7:03 pm
 Operator : MJB/KAK
 Sample : A0D0763-08
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:27:16 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

MI
[Signature]
 5/19/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.033	35092517	195.229 ng/ml
62) S DCBP (S)	11.325	13496346	172.909 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.684	24739	4.692 ng/ml
3) Aroclor 1016 (2)	7.194	44173	5.204 ng/ml
4) Aroclor 1016 (3)	7.336	53315	13.392 ng/ml
5) Aroclor 1016 (4)	7.409	126800	28.466 ng/ml
6) Aroclor 1016 (5)	7.454	97062	20.145 ng/ml
7) Aroclor 1016 (6)	7.581	97061	20.519 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.160	21047	15.069 ng/ml
10) Aroclor 1221 (2)	6.293	19057	14.565 ng/ml
11) Aroclor 1221 (3)	6.342	620742	146.902 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.342	620742	178.710 ng/ml
14) Aroclor 1232 (2)	6.684	24739	11.978 ng/ml
15) Aroclor 1232 (3)	7.194	44173	13.214 ng/ml
16) Aroclor 1232 (4)	7.409	126800	88.388 ng/ml
17) Aroclor 1232 (5)	7.454	97062	58.563 ng/ml
18) Aroclor 1232 (6)	7.581	97061	57.998 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.684	24739	6.678 ng/ml
21) Aroclor 1242 (2)	7.194	44173	7.066 ng/ml
22) Aroclor 1242 (3)	7.336	53315	17.839 ng/ml
23) Aroclor 1242 (4)	7.409	126800	42.047 ng/ml
24) Aroclor 1242 (5)	7.454	97062	28.803 ng/ml
25) Aroclor 1242 (6)	7.581	97061	27.688 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.166	33437	8.534 ng/ml
28) Aroclor 1248 (2)	7.409	126800	24.374 ng/ml
29) Aroclor 1248 (3)	7.454	97062	20.398 ng/ml
30) Aroclor 1248 (4)	7.581	97061	17.023 ng/ml
31) Aroclor 1248 (5)	7.950	116075	16.861 ng/ml
32) Aroclor 1248 (6)	8.104	408070	69.160 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.928	195695	25.767 ng/ml
35) Aroclor 1254 (2)	8.104	408070	36.979 ng/ml
36) Aroclor 1254 (3)	8.408	561731	46.128 ng/ml
37) Aroclor 1254 (4)	8.663	238900	28.771 ng/ml
38) Aroclor 1254 (5)	9.002	343404	38.242 ng/ml
39) Aroclor 1254 (6)	9.255	93129	36.600 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.559	213573	23.080 ng/ml
42) Aroclor 1260 (2)	8.765	297941	27.121 ng/ml
43) Aroclor 1260 (3)	9.002	343404	30.951 ng/ml
44) Aroclor 1260 (4)	9.546	179775	11.410 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R026.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 7:03 pm
 Operator : MJB/KAK
 Sample : A0D0763-08
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:27:16 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 Last Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.851	121917	13.146 ng/ml
46)	Aroclor 1260 (6)	10.523	43857	12.085 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.765	297941	35.269 ng/ml
49)	Aroclor 1262 (2)	9.074	97265	8.478 ng/ml
50)	Aroclor 1262 (3)	9.269	102755	11.703 ng/ml
51)	Aroclor 1262 (4)	9.546	179775	10.095 ng/ml
52)	Aroclor 1262 (5)	9.851	121917	11.387 ng/ml
53)	Aroclor 1262 (6)	10.523	43857	9.167 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.317	16503	3.363 ng/ml
56)	Aroclor 1268 (2)	9.851	121917	6.068 ng/ml
57)	Aroclor 1268 (3)	9.926	47504	2.923 ng/ml
58)	Aroclor 1268 (4)	10.181	228907	16.364 ng/ml
59)	Aroclor 1268 (5)	10.523	43857	8.255 ng/ml
60)	Aroclor 1268 (6)	10.946	532215	14.653 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

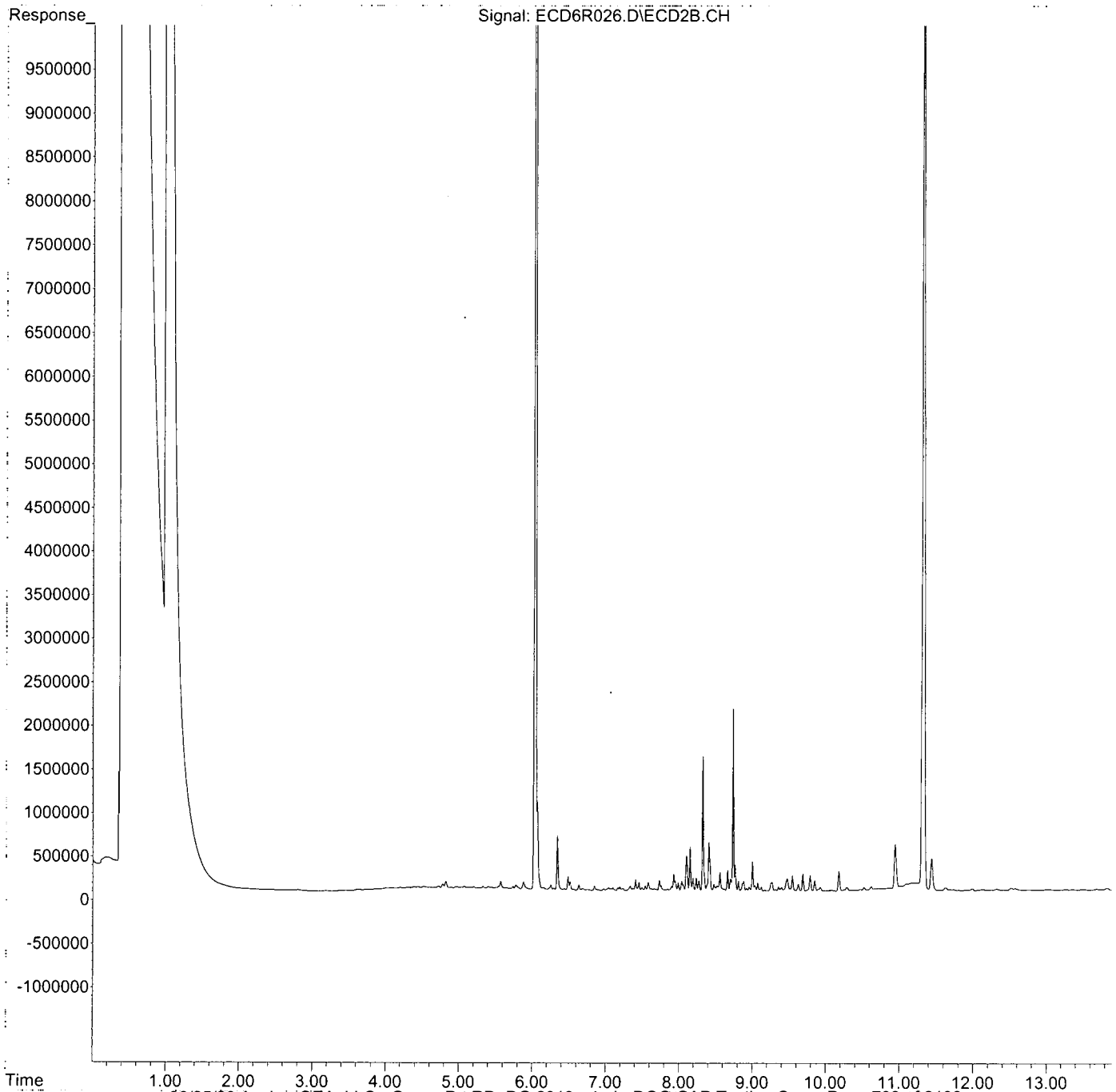
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R026.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:03 pm
Operator : MJB/KAK
Sample : A0D0763-08
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:27:16 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R028.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 7:38 pm
 Operator : MJB/KAK
 Sample : A0D0763-09
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:27:34 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.035	25443528	141.549 ng/ml
62) S DCBP (S)	11.326	13363446	171.206 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.708	7084	1.344 ng/ml
3) Aroclor 1016 (2)	7.200	17275	2.035 ng/ml
4) Aroclor 1016 (3)	7.328	9138	2.295 ng/ml
5) Aroclor 1016 (4)	7.411	9182	2.061 ng/ml
6) Aroclor 1016 (5)	7.457	9420	1.955 ng/ml
7) Aroclor 1016 (6)	7.586	8616	1.821 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.255f	11553	8.271 ng/ml
10) Aroclor 1221 (2)	6.286	10167	7.771 ng/ml
11) Aroclor 1221 (3)	6.344	532378	125.990 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.344	532378	153.270 ng/ml
14) Aroclor 1232 (2)	6.708	7084	3.430 ng/ml
15) Aroclor 1232 (3)	7.200	17275	5.168 ng/ml
16) Aroclor 1232 (4)	7.411	9182	6.400 ng/ml
17) Aroclor 1232 (5)	7.457	9420	5.684 ng/ml
18) Aroclor 1232 (6)	7.586	8616	5.148 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.708	7084	1.912 ng/ml
21) Aroclor 1242 (2)	7.200	17275	2.764 ng/ml
22) Aroclor 1242 (3)	7.328	9138	3.058 ng/ml
23) Aroclor 1242 (4)	7.411	9182	3.045 ng/ml
24) Aroclor 1242 (5)	7.457	9420	2.795 ng/ml
25) Aroclor 1242 (6)	7.586	8616	2.458 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.171	9940	2.537 ng/ml
28) Aroclor 1248 (2)	7.411	9182	1.765 ng/ml
29) Aroclor 1248 (3)	7.457	9420	1.980 ng/ml
30) Aroclor 1248 (4)	7.586	8616	1.511 ng/ml
31) Aroclor 1248 (5)	7.953	10977	1.594 ng/ml
32) Aroclor 1248 (6)	8.113	10260	1.739 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.935	11136	1.466 ng/ml
35) Aroclor 1254 (2)	8.113	10260	0.930 ng/ml
36) Aroclor 1254 (3)	8.423	8578	0.704 ng/ml
37) Aroclor 1254 (4)	8.668	8778	1.057 ng/ml
38) Aroclor 1254 (5)	8.976	21884	2.437 ng/ml
39) Aroclor 1254 (6)	9.220	12473	4.902 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.559	7739	0.836 ng/ml
42) Aroclor 1260 (2)	8.772	9835	0.895 ng/ml
43) Aroclor 1260 (3)	8.976	21884	1.972 ng/ml
44) Aroclor 1260 (4)	9.544	13451	0.854 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R028.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 7:38 pm
 Operator : MJB/KAK
 Sample : A0D0763-09
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:27:34 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.856	20136	2.171 ng/ml
46)	Aroclor 1260 (6)	10.527	30695	8.458 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.772	9835	1.164 ng/ml
49)	Aroclor 1262 (2)	9.078	11151	0.972 ng/ml
50)	Aroclor 1262 (3)	9.273	14583	1.661 ng/ml
51)	Aroclor 1262 (4)	9.544	13451	0.755 ng/ml
52)	Aroclor 1262 (5)	9.856	20136	1.881 ng/ml
53)	Aroclor 1262 (6)	10.527	30695	6.416 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.323	14379	2.930 ng/ml
56)	Aroclor 1268 (2)	9.856	20136	1.002 ng/ml
57)	Aroclor 1268 (3)	9.924	18570	1.142 ng/ml
58)	Aroclor 1268 (4)	10.182	256564	18.341 ng/ml
59)	Aroclor 1268 (5)	10.527	30695	5.778 ng/ml
60)	Aroclor 1268 (6)	10.946	553142	15.229 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

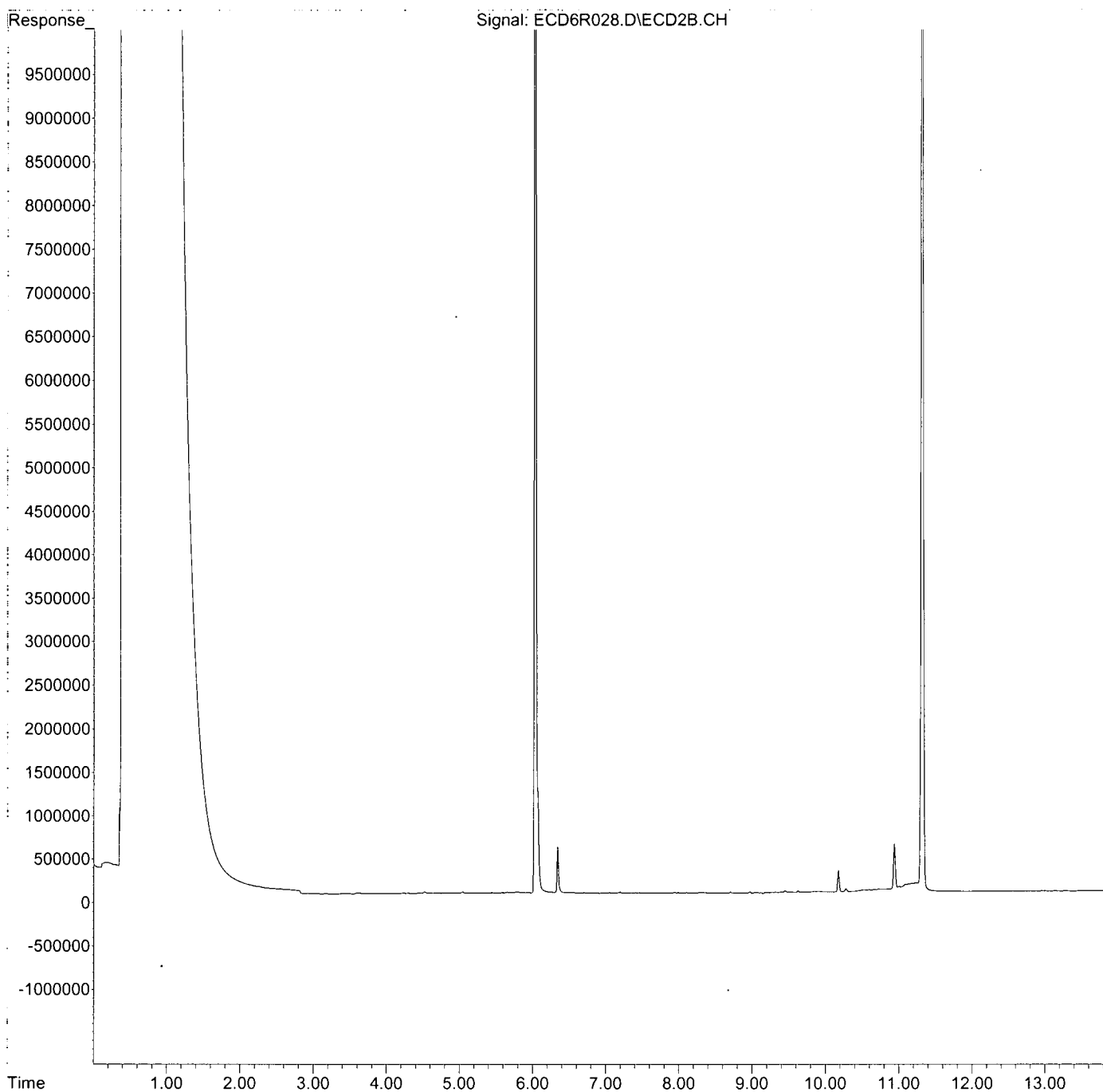
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R028.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 7:38 pm
Operator : MJB/KAK
Sample : A0D0763-09
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:27:34 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R030.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 8:14 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:27:51 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/19/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.034	48774301	271.344 ng/ml
62) S DCBP (S)	11.326	22213304	284.587 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.705	2663094	505.096 ng/ml
3) Aroclor 1016 (2)	7.198	4719053	555.912 ng/ml
4) Aroclor 1016 (3)	7.328	2132365	535.612 ng/ml
5) Aroclor 1016 (4)	7.411	2401085	539.039 ng/ml
6) Aroclor 1016 (5)	7.458	2597080	539.008 ng/ml
7) Aroclor 1016 (6)	7.586	2595314	548.656 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.193	240212	171.978 ng/ml
10) Aroclor 1221 (2)	6.281	362778	277.270 ng/ml
11) Aroclor 1221 (3)	6.368	1729795	409.365 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.368	1729795	498.004 ng/ml
14) Aroclor 1232 (2)	6.705	2663094	1289.410 ng/ml
15) Aroclor 1232 (3)	7.198	4719053	1411.706 ng/ml
16) Aroclor 1232 (4)	7.411	2401085	1673.720 ng/ml
17) Aroclor 1232 (5)	7.458	2597080	1566.977 ng/ml
18) Aroclor 1232 (6)	7.586	2595314	1550.820 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.705	2663094	718.916 ng/ml
21) Aroclor 1242 (2)	7.198	4719053	754.919 ng/ml
22) Aroclor 1242 (3)	7.328	2132365	713.492 ng/ml
23) Aroclor 1242 (4)	7.411	2401085	796.196 ng/ml
24) Aroclor 1242 (5)	7.458	2597080	770.682 ng/ml
25) Aroclor 1242 (6)	7.586	2595314	740.360 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.170	4240914	1082.419 ng/ml
28) Aroclor 1248 (2)	7.411	2401085	461.542 ng/ml
29) Aroclor 1248 (3)	7.458	2597080	545.795 ng/ml
30) Aroclor 1248 (4)	7.586	2595314	455.185 ng/ml
31) Aroclor 1248 (5)	7.930	1859673	270.137 ng/ml
32) Aroclor 1248 (6)	8.111	2087352	353.766 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.930	1859673	244.865 ng/ml
35) Aroclor 1254 (2)	8.111	2087352	189.153 ng/ml
36) Aroclor 1254 (3)	8.428	1168152	95.926 ng/ml
37) Aroclor 1254 (4)	8.668	776348	93.495 ng/ml
38) Aroclor 1254 (5)	9.007	6515495	725.578 ng/ml
39) Aroclor 1254 (6)	9.240	853189	335.308 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.562	5145532	556.053 ng/ml
42) Aroclor 1260 (2)	8.768	6214978	565.748 ng/ml
43) Aroclor 1260 (3)	9.007	6515495	587.235 ng/ml
44) Aroclor 1260 (4)	9.548	9277219	588.799 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R030.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 8:14 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:27:51 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.854	5475838	590.431	ng/ml
46) Aroclor 1260 (6)	10.526	2024115	557.748	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	8.768	6214978	735.707	ng/ml
49) Aroclor 1262 (2)	9.077	4478073	390.348	ng/ml
50) Aroclor 1262 (3)	9.274	4299272	489.645	ng/ml
51) Aroclor 1262 (4)	9.548	9277219	520.974	ng/ml
52) Aroclor 1262 (5)	9.854	5475838	511.450	ng/ml
53) Aroclor 1262 (6)	10.526	2024115	423.103	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	9.320	338451	68.978	ng/ml
56) Aroclor 1268 (2)	9.854	5475838	272.528	ng/ml
57) Aroclor 1268 (3)	9.928	2159185	132.841	ng/ml
58) Aroclor 1268 (4)	10.184	172390	12.324	ng/ml
59) Aroclor 1268 (5)	10.526	2024115	380.993	ng/ml
60) Aroclor 1268 (6)	10.948	561386	15.456	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

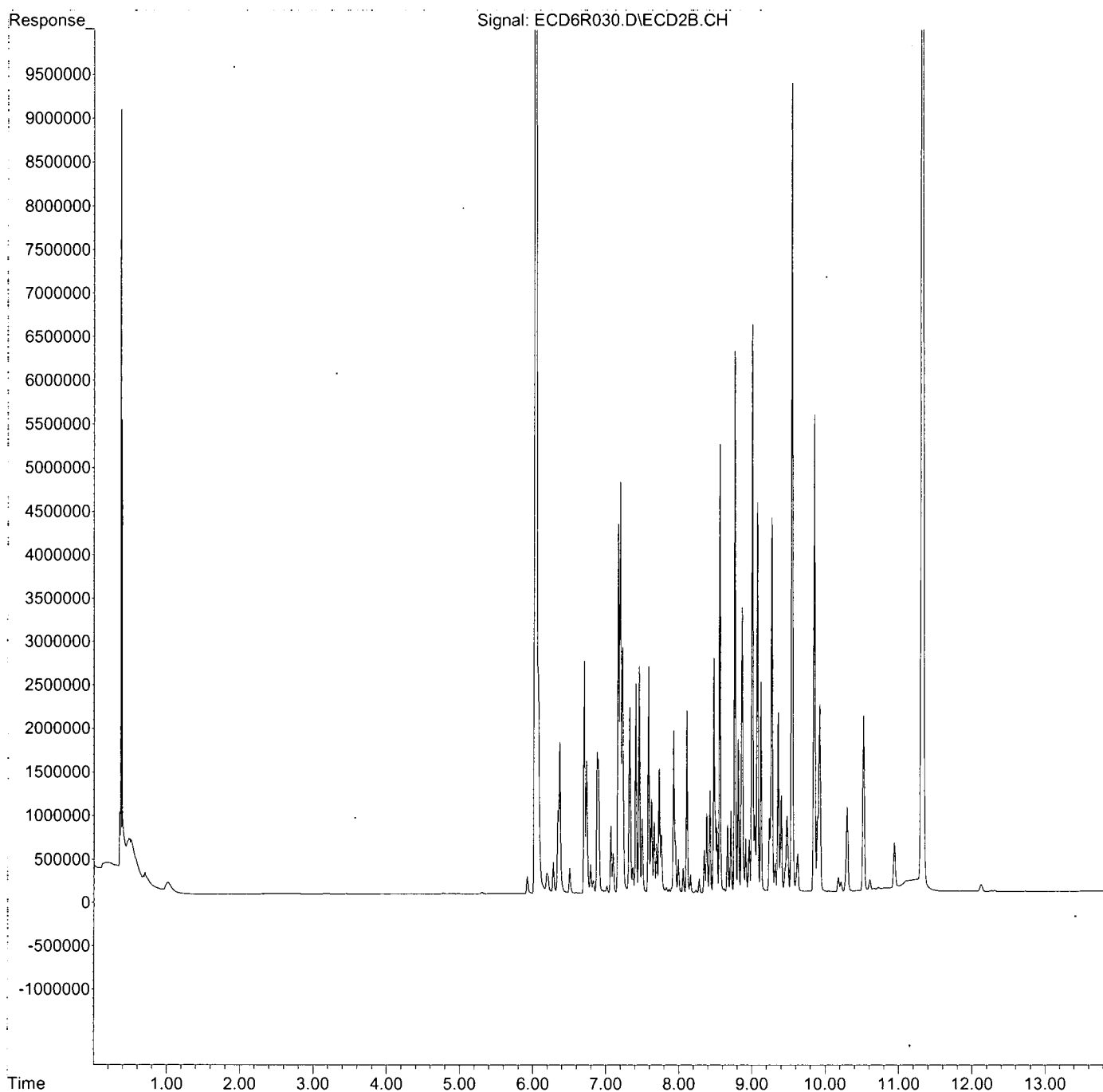
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0E18037\
Data File : ECD6R030.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 8:14 pm
Operator : MJB/KAK
Sample : 0E18037-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:27:51 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0E18037\
 Data File : ECD6R031.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 8:31 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:28:10 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/19/20
Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.033	19058827	106.029 ng/ml
62) S DCBP (S)	11.324	8554742	109.599 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.721	1519	0.288 ng/ml
3) Aroclor 1016 (2)	7.216	3233	0.381 ng/ml
4) Aroclor 1016 (3)	7.326	1267	0.318 ng/ml
5) Aroclor 1016 (4)	7.416	1322	0.297 ng/ml
6) Aroclor 1016 (5)	7.466	1285	0.267 ng/ml
7) Aroclor 1016 (6)	7.591	1083	0.229 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.246f	11845	8.480 ng/ml
10) Aroclor 1221 (2)	6.281	9176	7.013 ng/ml
11) Aroclor 1221 (3)	6.343	382357	90.487 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.343	382357	110.080 ng/ml
14) Aroclor 1232 (2)	6.721	1519	0.735 ng/ml
15) Aroclor 1232 (3)	7.216	3233	0.967 ng/ml
16) Aroclor 1232 (4)	7.416	1322	0.922 ng/ml
17) Aroclor 1232 (5)	7.466	1285	0.775 ng/ml
18) Aroclor 1232 (6)	7.591	1083	0.647 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.721	1519	0.410 ng/ml
21) Aroclor 1242 (2)	7.216	3233	0.517 ng/ml
22) Aroclor 1242 (3)	7.326	1267	0.424 ng/ml
23) Aroclor 1242 (4)	7.416	1322	0.438 ng/ml
24) Aroclor 1242 (5)	7.466	1285	0.381 ng/ml
25) Aroclor 1242 (6)	7.591	1083	0.309 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.184	2354	0.601 ng/ml
28) Aroclor 1248 (2)	7.416	1322	0.254 ng/ml
29) Aroclor 1248 (3)	7.466	1285	0.270 ng/ml
30) Aroclor 1248 (4)	7.591	1083	0.190 ng/ml
31) Aroclor 1248 (5)	7.960	677	0.098 ng/ml
32) Aroclor 1248 (6)	8.116	1657	0.281 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.927	910	0.120 ng/ml
35) Aroclor 1254 (2)	8.116	1657	0.150 ng/ml
36) Aroclor 1254 (3)	8.432	1541	0.127 ng/ml
37) Aroclor 1254 (4)	8.672	797	0.096 ng/ml
38) Aroclor 1254 (5)	8.977	12971	1.445 ng/ml
39) Aroclor 1254 (6)	9.229	402	0.158 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.562	1614	0.174 ng/ml
42) Aroclor 1260 (2)	8.767	2674	0.243 ng/ml
43) Aroclor 1260 (3)	8.977	12971	1.169 ng/ml
44) Aroclor 1260 (4)	9.546	2344	0.149 ng/ml

Data Path : S:\DATA\0E18037\
 Data File : ECD6R031.D
 Signal(s) : ECD2B.CH
 Acq On : 18 May 2020 8:31 pm
 Operator : MJB/KAK
 Sample : 0E18037-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 19 11:28:10 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (5)	9.855	3282	0.354 ng/ml
46)	Aroclor 1260 (6)	10.529	7266	2.002 ng/ml
47)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48)	Aroclor 1262 (1)	8.767	2674	0.317 ng/ml
49)	Aroclor 1262 (2)	9.074	1168	0.102 ng/ml
50)	Aroclor 1262 (3)	9.266	1998	0.228 ng/ml
51)	Aroclor 1262 (4)	9.546	2344	0.132 ng/ml
52)	Aroclor 1262 (5)	9.855	3282	0.307 ng/ml
53)	Aroclor 1262 (6)	10.529	7266	1.519 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	9.304	5716	1.165 ng/ml
56)	Aroclor 1268 (2)	9.855	3282	0.163 ng/ml
57)	Aroclor 1268 (3)	9.931	1258	0.077 ng/ml
58)	Aroclor 1268 (4)	10.184	49405	3.532 ng/ml
59)	Aroclor 1268 (5)	10.529	7266	1.368 ng/ml
60)	Aroclor 1268 (6)	10.948	71464	1.968 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

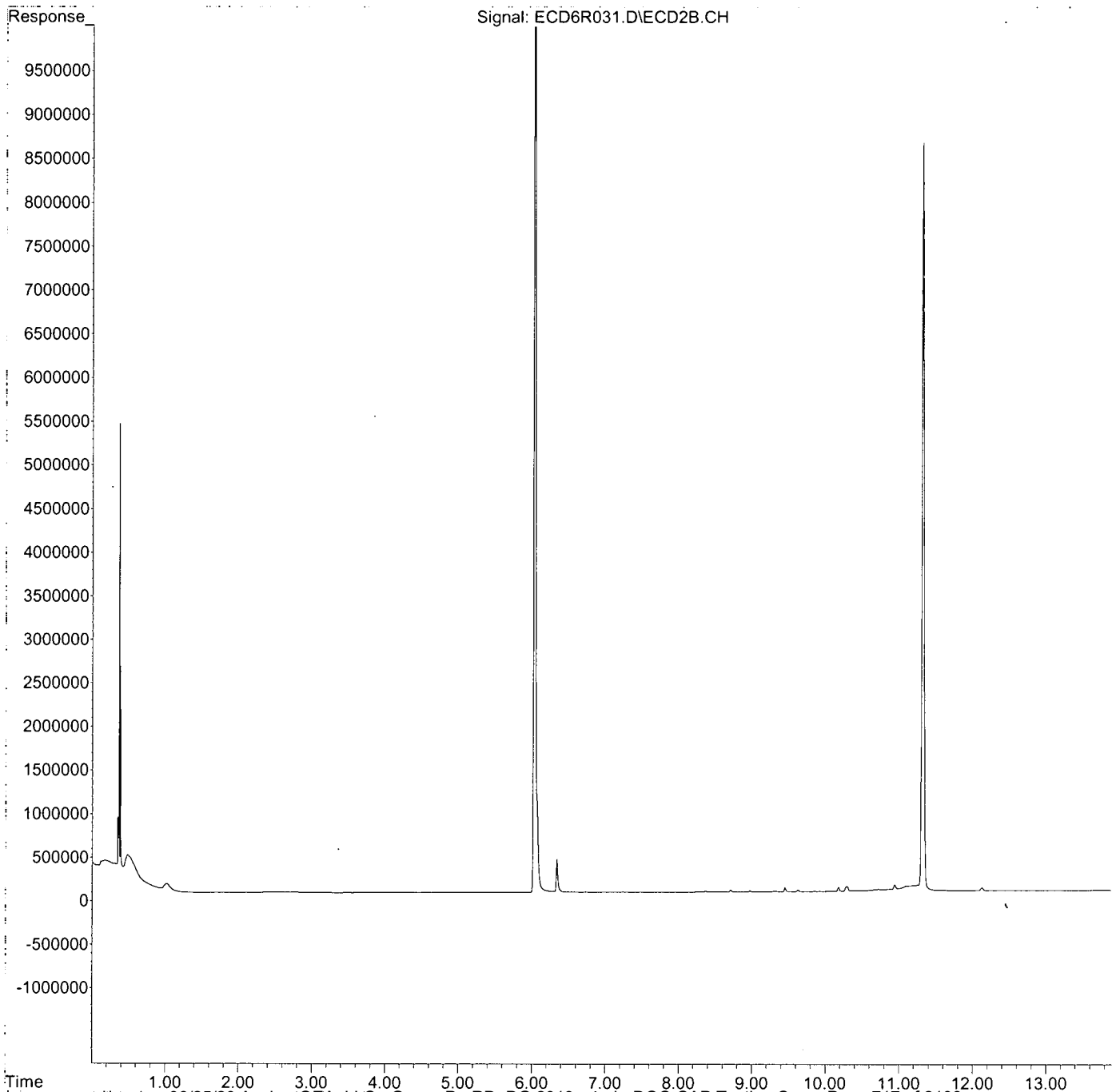
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : S:\DATA\0E18037\
Data File : ECD6R031.D
Signal(s) : ECD2B.CH
Acq On : 18 May 2020 8:31 pm
Operator : MJB/KAK
Sample : 0E18037-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 19 11:28:10 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326RT1.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 '09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Batch 0050441
Sequence 0E13026 (A0D0763-10)



Apex Laboratories
PREPARATION BENCH SHEET


JUN 02 2020

BATCH #: 0050441 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-8	>11
	0050441-BLK1	QC	05/12/20 12:53	31	2				100					
	0050441-BS1	QC	05/12/20 12:53	30	2	A20E044		100	100					
	A0D0632-01RE2	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.86	2				100	PDI-1156SC-A-02-03-200423	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0677-37RE2	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.3	2				100	PDI-150SC-A-05-06-200425	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0677-46RE2	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.49	2				100	PDI-1163SC-A-01-02-200425	Batch QC Failure. Added 5/11/2020 By KAK			
	A0D0758-01RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.37	2				100	PDI-054SC-A-09-10-200428	Low Surrogate. Added 5/7/2020 By KAK			
	A0D0758-03RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.7	2				100	PDI-1054SC-A-09-10-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK			
	A0D0758-05RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.24	5				100	PDI-054SC-B-02-05-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK			
	A0D0758-10RE1	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.39	2				100	PDI-060SC-A-05-06-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK			
	A0D0763-10	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.33	2				100	PDI-061SC-B-04-06-200428	+1262, 1268			
	0050441-DUP1	QC	05/12/20 12:53	30.12	2		A0D0763-10		100					
	A0D0763-11	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.94	2				100	PDI-061SC-B-06-08-200428	+1262, 1268			
	A0E0004-01	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.16	2				100	PDI-068SC-A-10-11-200430	+1262, 1268			
	A0E0004-02	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.39	2				100	PDI-068SC-A-11-12.3-200430	+1262, 1268			
	A0E0004-03	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.83	5				100	PDI-068SC-B-00-02-200430	+1262, 1268			
	A0E0004-04	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.16	5				100	PDI-068SC-B-02-05-200430	+1262, 1268			
	A0E0004-05	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.19	2				100	PDI-068SC-B-05-07-200430	+1262, 1268			
	A0E0004-09	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.3	2				100	PDI-072SC-A-08-09-200430	+1262, 1268			
	A0E0004-10	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.88	2				100	PDI-072SC-A-09-9.5-200430	+1262, 1268			

Prepared By: _____ Date: _____

 5/29/20
 Reviewed By: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050441 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11
	A0E0004-11	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.7	2				100	PDI-072SC-B-00-02-200430	+1262,1268			
	A0E0004-12	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.3	2				100	PDI-072SC-B-02-04-200430	+1262,1268			
	A0E0004-14	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.2	5				100	PDI-072SC-B-06-08-200430	+1262,1268			
	A0E0004-16	B 8082 PCBs - Low Level (30g/2mL)	05/12/20 12:53	30.44	2				100	PDI-1072SC-B-02-04-200430	+1262,1268			
	0050441-MS1	QC	05/12/20 12:53	30.31	2	A20E044	A0E0004-16	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A19I211	05/07/22	Copper, Granular Lot# J260003
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20D178	10/10/22	Sodium Sulfate Lot # 195259
A20E020	10/31/22	DCM CHEM PROD. 197898

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E044	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20D453	09/20/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperature achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050441 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11
1/2	0050441-BLK1	QC	05/12/20 12:53	30.00	2 ✓				100					
3/4	0050441-BS1	QC	05/12/20 12:53	30	2 ✓	A20E044		100	100					
5/6	A0D0632-01RE2	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.86	2 ✓				100	PDI-1156SC-A-0 2-03-200423	Batch QC Failure. Added 5/11/2020 By KAK Sediment ← P E			
7/8	A0D0677-37RE2	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.30	2 ✓				100	PDI-150SC-A-05 -06-200425	Batch QC Failure. Added 5/11/2020 By KAK Sediment ← S, P			
9/10	A0D0677-46RE2	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.49	2 ✓				100	PDI-1163SC-A-0 1-02-200425	Batch QC Failure. Added 5/11/2020 By KAK Mud, odor P			
11/12	A0D0758-01RE1	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.37	2 ✓				100	PDI-054SC-A-09 -10-200428	Low Surrogate. Added 5/7/2020 By KAK Mud, odor, P ← S, P			
13/14	A0D0758-03RE1	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.70	2 ✓				100	PDI-1054SC-A-0 9-10-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK Mud, odor S, P			
15/16	A0D0758-05RE1	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.24	2 ✓				100	PDI-054SC-B-02 -05-200428	Low Surrogate. Re-extract added 5/11/2020 by KAK Mud, odor S, P			
17/18	A0D0758-10RE1	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.39	2 ✓				100	PDI-060SC-A-05 -06-200428	Batch QC Failure. Re-extract added 5/11/2020 by KAK Sediment			
19/20	A0D0763-10	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.33	2 ✓				100	PDI-061SC-B-04 -06-200428	+1262,1268 Sediment			
21/22	0050441-DUPL	QC	05/12/20 12:53	30 30.12	2 ✓		A0D0763-10		100		Sediment			
23/24	A0D0763-11	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.94	2 ✓				100	PDI-061SC-B-06 -08-200428	+1262,1268 Sediment			
25/26	A0E0004-01	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.16	2 ✓				100	PDI-068SC-A-10 -11-200430	+1262,1268 Sediment, odor S, P			
27/28	A0E0004-02	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.39	2 ✓				100	PDI-068SC-A-11 -12.3-200430	+1262,1268 Sediment, odor S, P			
29/30	A0E0004-03	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.83	2 ✓				100	PDI-068SC-B-00 -02-200430	+1262,1268 Sediment, odor S, P			
31/32	A0E0004-04	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.16	2 ✓				100	PDI-068SC-B-02 -05-200430	+1262,1268 Sediment, odor S, P			
33/34	A0E0004-05	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.19	2 ✓				100	PDI-068SC-B-05 -07-200430	+1262,1268 Sediment, odor S, P			
35/36	A0E0004-09	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.30	2 ✓				100	PDI-072SC-A-08 -09-200430	+1262,1268 Sediment, odor S, P			
37/38	A0E0004-10	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.88	2 ✓				100	PDI-072SC-A-09 -9.5-200430	+1262,1268 Sediment, odor S, P			

Prepared By: SCG Date: 05/12/2020
cas
can
 (clean-up) 05-12-20

Reviewed By: SCG Date: 05/12/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050441 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
37/43	A0E0004-11	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.70	2 ✓				100	PDI-072SC-B-00 -02-200430	+1262,1268 Sediment, odor P, S			
11/42	A0E0004-12	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.30	2 ✓				100	PDI-072SC-B-02 -04-200430	+1262,1268 Sediment, odor P, S			
13/44	A0E0004-14	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.20	2 5.1				100	PDI-072SC-B-06 -08-200430	+1262,1268 Sediment, odor S, P			
15/46	A0E0004-16	A 8082 PCBs - Low Level B (30g/2mL)	05/12/20 12:53	30 30.44	2 ✓				100	PDI-1072SC-B-0 2-04-200430	+1262,1268 Sediment, odor S, P			
17/48	0050441-MSI	QC	05/12/20 12:53	30 30.31	2 ✓	A20E044	A0E0004-16	100	100		Sediment, odor S, P			

Standards/Reagents

Reagent(s)			Analyte Spike(s) CAS			Surrogate(s) CAS		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20E044	11/06/20	8082 PCB Matrix Spike	A20D45	09/20/20	8082 PCB Surrogate Spike
A19I211	05/07/22	Copper, Granular Lot# J260003						
A20A032	06/30/23	n-Hexane Lot# 197051						
A20A327	07/22/20	Florisil Lot 919270-CP						
A20B017	08/01/20	Glass Wool						
A20C055	08/31/20	Sulfuric Acid						
A20D012	09/28/21	DCM CHEM PROD. BY 111 US						
A20D178	10/10/22	Sodium Sulfate Lot # 195259						

Method 3546 digestion time and temperature achieved.

Initial: GL

Witness: GL 5/12/20

P = precipitate formation after hexane exchange
 S = staining on turbo vap tube after hexane exchange
 S* = staining on turbo vap tube prior to and after hexane exchange
 S = staining on turbo vap tube after hexane exchange
 S = staining on turbo vap tube prior to and after hexane exchange
 E = Emulsion during clean-up

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E13026**

Instrument: **DUALECD2R**

Date: **05/13/20 06:12**

Calibration: **A0D2706**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E13026-CCV1	Sediment	QC	QC				A20D197
2	0E13026-CCB1	Sediment	QC	QC				A20D303
3	A0D0758-01RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050441		
4	0E13026-IBL1	Sediment	QC	QC				
5	A0D0758-03RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050441		
6	0E13026-IBL2	Sediment	QC	QC				
7	A0D0758-05RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050441		
8	0E13026-IBL3	Sediment	QC	QC				
9	A0D0758-10RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050441		
10	0E13026-IBL4	Sediment	QC	QC				
11	A0D0763-10	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050441		
12	0E13026-IBL5	Sediment	QC	QC				
13	0050441-DUP1	Sediment	QC	QC		0050441		
14	0E13026-IBL6	Sediment	QC	QC				
15	0E13026-CCV2	Sediment	QC	QC				A20D197
16	0E13026-CCB2	Sediment	QC	QC				A20D303

Data Entered By: *[Signature]* 5/13/20

Comments: Report original extract for 758-01

Data Reviewed By: *[Signature]* 5/14/20

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.

0E13026-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	434.57
1016 (2)	429.35
1016 (3)	436.70
1016 (4)	454.18
1016 (5)	446.20
1016 (6)	459.18
Average:	443.36

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	467.07
1260 (2)	474.08
1260 (3)	493.10
1260 (4)	483.69
1260 (5)	491.24
1260 (6)	479.68
Average:	481.48

0E13026-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	450.28
1016 (2)	446.47
1016 (3)	461.21
1016 (4)	456.76
1016 (5)	471.53
1016 (6)	470.86
Average:	459.52

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	466.35
1260 (2)	495.39
1260 (3)	491.47
1260 (4)	512.73
1260 (5)	507.75
1260 (6)	490.44
Average:	494.02

Data Path : K:\DATA\0E13026\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 7:24 am
 Operator : MJB / KAK
 Sample : 0E13026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 09:46:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.791	94236805	245.868	ng/ml
64) S DCBP (S)	10.826	44768437	250.188	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.459	4972648	434.571	ng/ml
3) Aroclor 1016 (2)	6.946	8758049	429.353	ng/ml
4) Aroclor 1016 (3)	7.074	4176081	436.702	ng/ml
5) Aroclor 1016 (4)	7.159	4128280	454.180	ng/ml
6) Aroclor 1016 (5)	7.205	4508824	446.202	ng/ml
7) Aroclor 1016 (6)	7.331	4575492	459.178	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.962	354894	121.810	ng/ml
10) Aroclor 1221 (2)	6.035	661726	239.152	ng/ml
11) Aroclor 1221 (3)	6.122	3040207	325.735	ng/ml
12) Aroclor 1221 (4)	6.632	3019839	1477.255	ng/ml
13) Aroclor 1221 (5)	6.946	8758049	5896.781	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.122	3040207	408.457	ng/ml
16) Aroclor 1232 (2)	6.459	4972648	1126.260	ng/ml
17) Aroclor 1232 (3)	6.946	8758049	1067.914	ng/ml
18) Aroclor 1232 (4)	7.159	4128280	1371.044	ng/ml
19) Aroclor 1232 (5)	7.205	4508824	1271.732	ng/ml
20) Aroclor 1232 (6)	7.331	4575492	1305.159	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.459	4972648	598.309	ng/ml
23) Aroclor 1242 (2)	6.946	8758049	578.264	ng/ml
24) Aroclor 1242 (3)	7.074	4176081	601.195	ng/ml
25) Aroclor 1242 (4)	7.159	4128280	661.048	ng/ml
26) Aroclor 1242 (5)	7.205	4508824	614.046	ng/ml
27) Aroclor 1242 (6)	7.331	4575492	617.299	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.946	8758049	970.176	ng/ml
30) Aroclor 1248 (2)	7.159	4128280	351.696	ng/ml
31) Aroclor 1248 (3)	7.205	4508824	436.469	ng/ml
32) Aroclor 1248 (4)	7.331	4575492	352.954	ng/ml
33) Aroclor 1248 (5)	7.695	960145	62.608	ng/ml
34) Aroclor 1248 (6)	7.854	3539503	261.088	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.673	3295287	205.119	ng/ml
37) Aroclor 1254 (2)	7.854	3539503	138.309	ng/ml
38) Aroclor 1254 (3)	8.166	2077822	75.704	ng/ml
39) Aroclor 1254 (4)	8.404	1343209	66.927	ng/ml
40) Aroclor 1254 (5)	8.740	11586172	596.395	ng/ml
41) Aroclor 1254 (6)	8.989	8064744	1431.156	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.302	8933902	467.068	ng/ml
44) Aroclor 1260 (2)	8.507	11025347	474.084	ng/ml

Data Path : K:\DATA\0E13026\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 7:24 am
 Operator : MJB / KAK
 Sample : 0E13026-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 09:46:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.740	11586172	493.103	ng/ml
46) Aroclor 1260 (4)	9.238	17629947	483.694	ng/ml
47) Aroclor 1260 (5)	9.512	10131583	491.239	ng/ml
48) Aroclor 1260 (6)	10.113	3831753	479.682	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.507	11025347	607.995	ng/ml
51) Aroclor 1262 (2)	8.809	8443617	339.333	ng/ml
52) Aroclor 1262 (3)	8.989	8064744	407.442	ng/ml
53) Aroclor 1262 (4)	9.238	17629947	435.932	ng/ml
54) Aroclor 1262 (5)	9.512	10131583	421.511	ng/ml
55) Aroclor 1262 (6)	10.113	3831753	360.720	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	9.033	550070	50.659	ng/ml
58) Aroclor 1268 (2)	9.512	10131583	217.706	ng/ml
59) Aroclor 1268 (3)	9.581	4032595	112.759	ng/ml
60) Aroclor 1268 (4)	9.813	344472	10.902	ng/ml
61) Aroclor 1268 (5)	10.113	3831753	308.003	ng/ml
62) Aroclor 1268 (6)	10.487	1128485	13.738	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

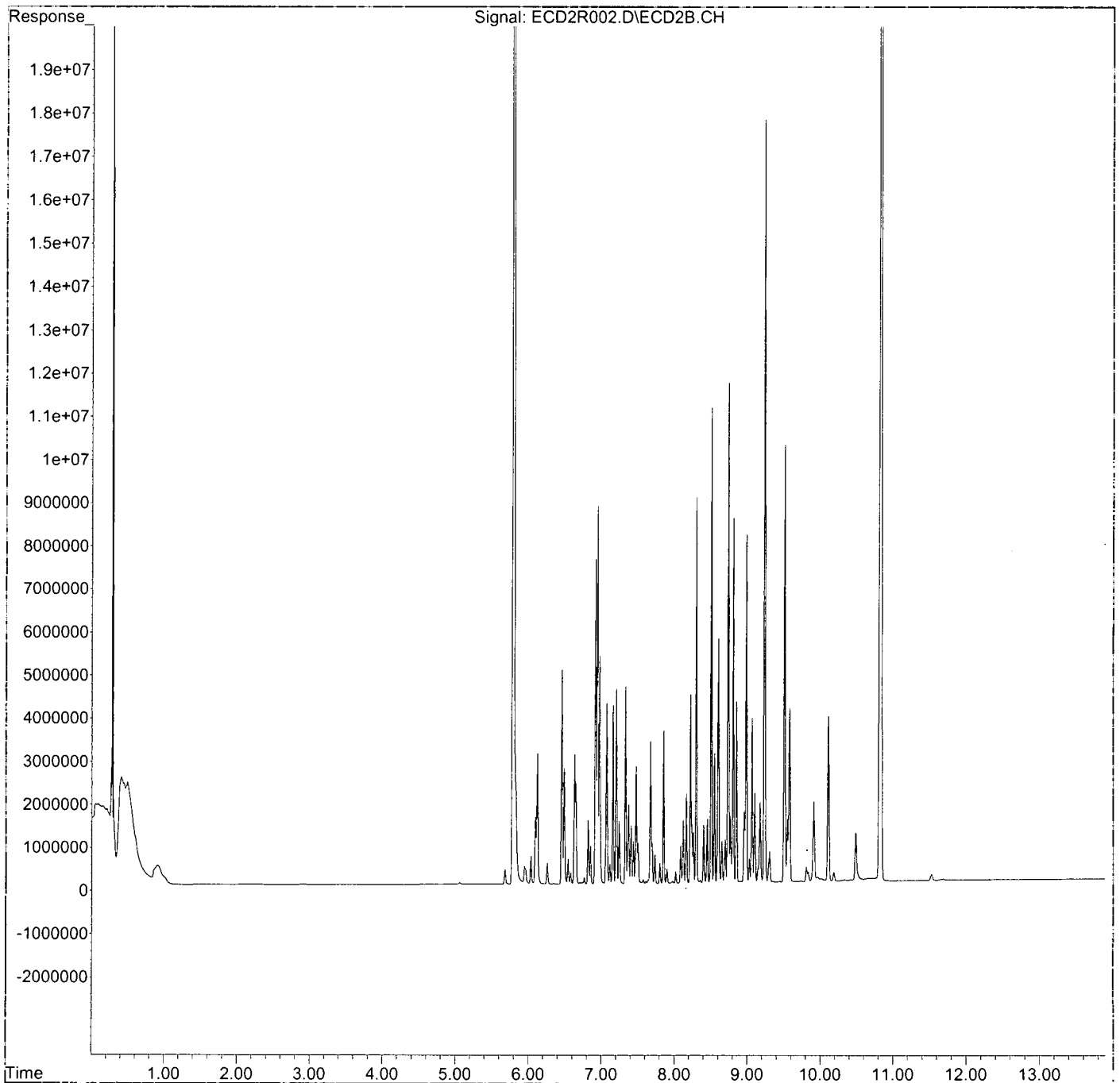
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13026\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 13 May 2020 7:24 am
Operator : MJB / KAK
Sample : 0E13026-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 13 09:46:12 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13026\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 7:42 am
 Operator : MJB / KAK
 Sample : 0E13026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 09:46:34 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.788	32587392	85.022 ng/ml
64) S DCBP (S)	10.823	15999558	89.414 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.456	1565	0.137 ng/ml
3) Aroclor 1016 (2)	6.943	1360	0.067 ng/ml
4) Aroclor 1016 (3)	7.073	2215	0.232 ng/ml
5) Aroclor 1016 (4)	7.162	1681	0.185 ng/ml
6) Aroclor 1016 (5)	7.208	1892	0.187 ng/ml
7) Aroclor 1016 (6)	7.332	1352	0.136 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.004f	14313	4.913 ng/ml
10) Aroclor 1221 (2)	6.032	10273	3.713 ng/ml
11) Aroclor 1221 (3)	6.094	616335	66.036 ng/ml
12) Aroclor 1221 (4)	6.632	2583	1.264 ng/ml
13) Aroclor 1221 (5)	6.954	2273	1.530 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.094	616335	82.806 ng/ml
16) Aroclor 1232 (2)	6.456	1565	0.354 ng/ml
17) Aroclor 1232 (3)	6.943	1360	0.166 ng/ml
18) Aroclor 1232 (4)	7.162	1681	0.558 ng/ml
19) Aroclor 1232 (5)	7.208	1892	0.534 ng/ml
20) Aroclor 1232 (6)	7.332	1352	0.386 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.456	1565	0.188 ng/ml
23) Aroclor 1242 (2)	6.943	1360	0.090 ng/ml
24) Aroclor 1242 (3)	7.073	2215	0.319 ng/ml
25) Aroclor 1242 (4)	7.162	1681	0.269 ng/ml
26) Aroclor 1242 (5)	7.208	1892	0.258 ng/ml
27) Aroclor 1242 (6)	7.332	1352	0.182 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.943	1360	0.151 ng/ml
30) Aroclor 1248 (2)	7.162	1681	0.143 ng/ml
31) Aroclor 1248 (3)	7.208	1892	0.183 ng/ml
32) Aroclor 1248 (4)	7.332	1352	0.104 ng/ml
33) Aroclor 1248 (5)	7.701	736	0.048 ng/ml
34) Aroclor 1248 (6)	7.855	1097	0.081 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.676	1120	0.070 ng/ml
37) Aroclor 1254 (2)	7.859	1097	0.043 ng/ml
38) Aroclor 1254 (3)	8.170	2479	0.090 ng/ml
39) Aroclor 1254 (4)	8.409	2740	0.137 ng/ml
40) Aroclor 1254 (5)	8.745	5101	0.263 ng/ml
41) Aroclor 1254 (6)	8.972	7050	1.251 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	2212	0.116 ng/ml
44) Aroclor 1260 (2)	8.513	4053	0.174 ng/ml

Data Path : K:\DATA\0E13026\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 7:42 am
 Operator : MJB / KAK
 Sample : 0E13026-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 09:46:34 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.745	5101	0.217 ng/ml
46) Aroclor 1260 (4)	9.241	8981	0.246 ng/ml
47) Aroclor 1260 (5)	9.514	16515	0.801 ng/ml
48) Aroclor 1260 (6)	10.117	34044	4.262 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.507	4346	0.240 ng/ml
51) Aroclor 1262 (2)	8.817	4846	0.195 ng/ml
52) Aroclor 1262 (3)	8.993	5403	0.273 ng/ml
53) Aroclor 1262 (4)	9.241	8981	0.222 ng/ml
54) Aroclor 1262 (5)	9.514	16515	0.687 ng/ml
55) Aroclor 1262 (6)	10.117	34044	3.205 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.040	10159	0.936 ng/ml
58) Aroclor 1268 (2)	9.514	16515	0.355 ng/ml
59) Aroclor 1268 (3)	9.584	14705	0.411 ng/ml
60) Aroclor 1268 (4)	9.811	129991	4.114 ng/ml
61) Aroclor 1268 (5)	10.121	34216	2.750 ng/ml
62) Aroclor 1268 (6)	10.489	196763	2.395 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

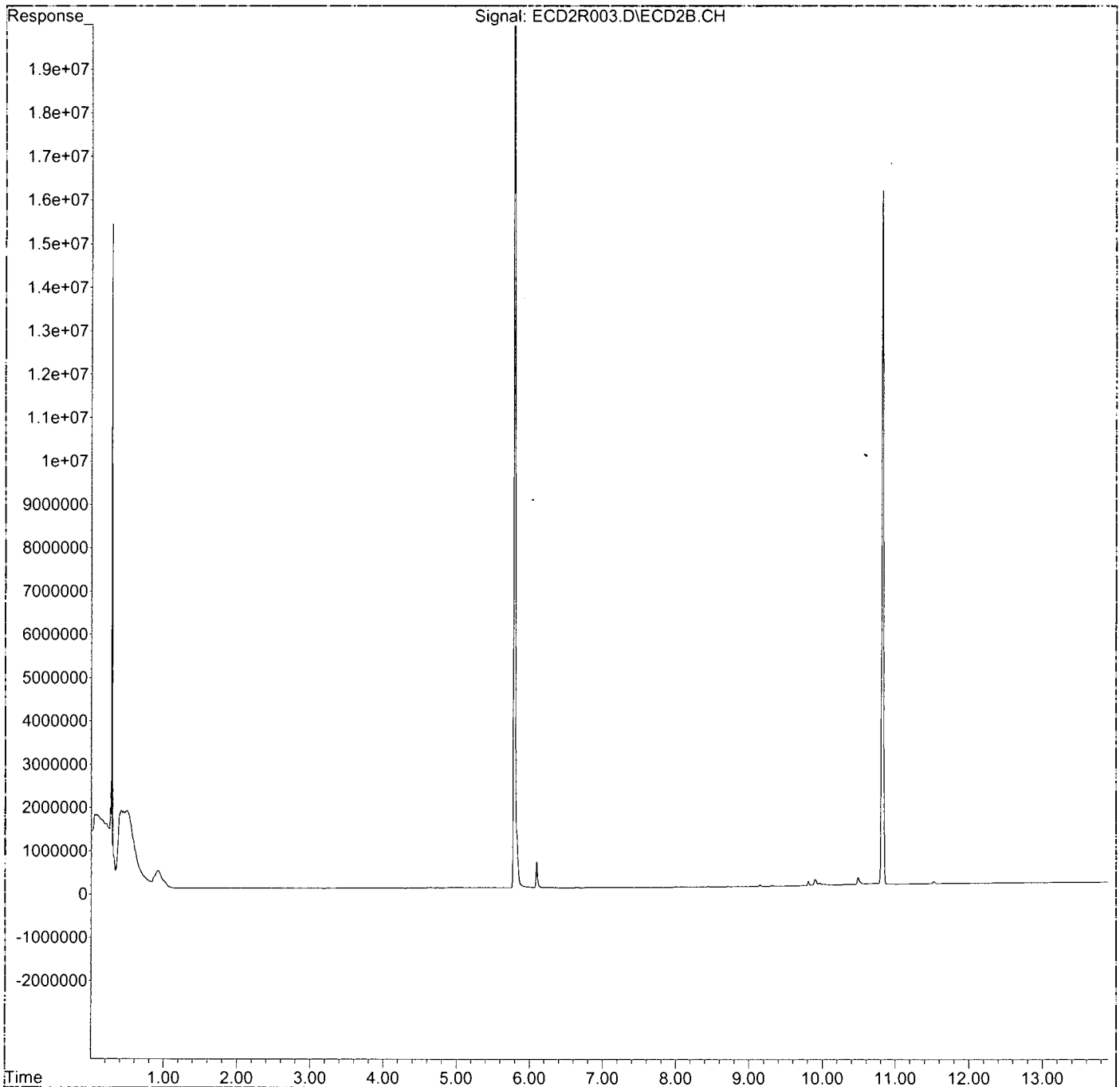
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13026\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 13 May 2020 7:42 am
Operator : MJB / KAK
Sample : 0E13026-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 13 09:46:34 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13026\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 10:21 am
 Operator : MJB / KAK
 Sample : AOD0763-10
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 11:52:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

5/13/20
RR-T N/A
5/11/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.787	32777656	85.518 ng/ml
64) S DCBP (S)	10.823	18689699	104.447 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.454	14602	1.276 ng/ml
3) Aroclor 1016 (2)	6.943	14890	0.730 ng/ml
4) Aroclor 1016 (3)	7.073	13165	1.377 ng/ml
5) Aroclor 1016 (4)	7.157	12698	1.397 ng/ml
6) Aroclor 1016 (5)	7.205	12546	1.242 ng/ml
7) Aroclor 1016 (6)	7.332	11326	1.137 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.973	20065	6.887 ng/ml
10) Aroclor 1221 (2)	6.027	15904	5.748 ng/ml
11) Aroclor 1221 (3)	6.093	655560	70.238 ng/ml
12) Aroclor 1221 (4)	6.624	15816	7.737 ng/ml
13) Aroclor 1221 (5)	6.943	14890	10.025 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.093	655560	88.076 ng/ml
16) Aroclor 1232 (2)	6.454	14602	3.307 ng/ml
17) Aroclor 1232 (3)	6.943	14890	1.816 ng/ml
18) Aroclor 1232 (4)	7.157	12698	4.217 ng/ml
19) Aroclor 1232 (5)	7.205	12546	3.539 ng/ml
20) Aroclor 1232 (6)	7.332	11326	3.231 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.454	14602	1.757 ng/ml
23) Aroclor 1242 (2)	6.943	14890	0.983 ng/ml
24) Aroclor 1242 (3)	7.073	13165	1.895 ng/ml
25) Aroclor 1242 (4)	7.157	12698	2.033 ng/ml
26) Aroclor 1242 (5)	7.205	12546	1.709 ng/ml
27) Aroclor 1242 (6)	7.332	11326	1.528 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.943	14890	1.649 ng/ml
30) Aroclor 1248 (2)	7.157	12698	1.082 ng/ml
31) Aroclor 1248 (3)	7.205	12546	1.214 ng/ml
32) Aroclor 1248 (4)	7.332	11326	0.874 ng/ml
33) Aroclor 1248 (5)	7.694	8988	0.586 ng/ml
34) Aroclor 1248 (6)	7.849	12183	0.899 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.676	9842	0.613 ng/ml
37) Aroclor 1254 (2)	7.849	12183	0.476 ng/ml
38) Aroclor 1254 (3)	8.164	11975	0.436 ng/ml
39) Aroclor 1254 (4)	8.403	8738	0.435 ng/ml
40) Aroclor 1254 (5)	8.737	3095	0.159 ng/ml
41) Aroclor 1254 (6)	8.972	6635	1.177 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.301	9279	0.485 ng/ml
44) Aroclor 1260 (2)	8.504	13087	0.563 ng/ml

S-CG - Dup Passes

Data Path : K:\DATA\0E13026\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 10:21 am
 Operator : MJB / KAK
 Sample : A0D0763-10
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 11:52:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.737	3095	0.132 ng/ml
46) Aroclor 1260 (4)	9.236	6841	0.188 ng/ml
47) Aroclor 1260 (5)	9.511	10084	0.489 ng/ml
48) Aroclor 1260 (6)	10.113	15311	1.917 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.504	13087	0.722 ng/ml
51) Aroclor 1262 (2)	8.808	6347	0.255 ng/ml
52) Aroclor 1262 (3)	8.985	7725	0.390 ng/ml
53) Aroclor 1262 (4)	9.236	6841	0.169 ng/ml
54) Aroclor 1262 (5)	9.511	10084	0.420 ng/ml
55) Aroclor 1262 (6)	10.113	15311	1.441 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.030	7749	0.714 ng/ml
58) Aroclor 1268 (2)	9.511	10084	0.217 ng/ml
59) Aroclor 1268 (3)	9.579	11667	0.326 ng/ml
60) Aroclor 1268 (4)	9.809	333830	10.565 ng/ml
61) Aroclor 1268 (5)	10.113	15311	1.231 ng/ml
62) Aroclor 1268 (6)	10.486	680415	8.283 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

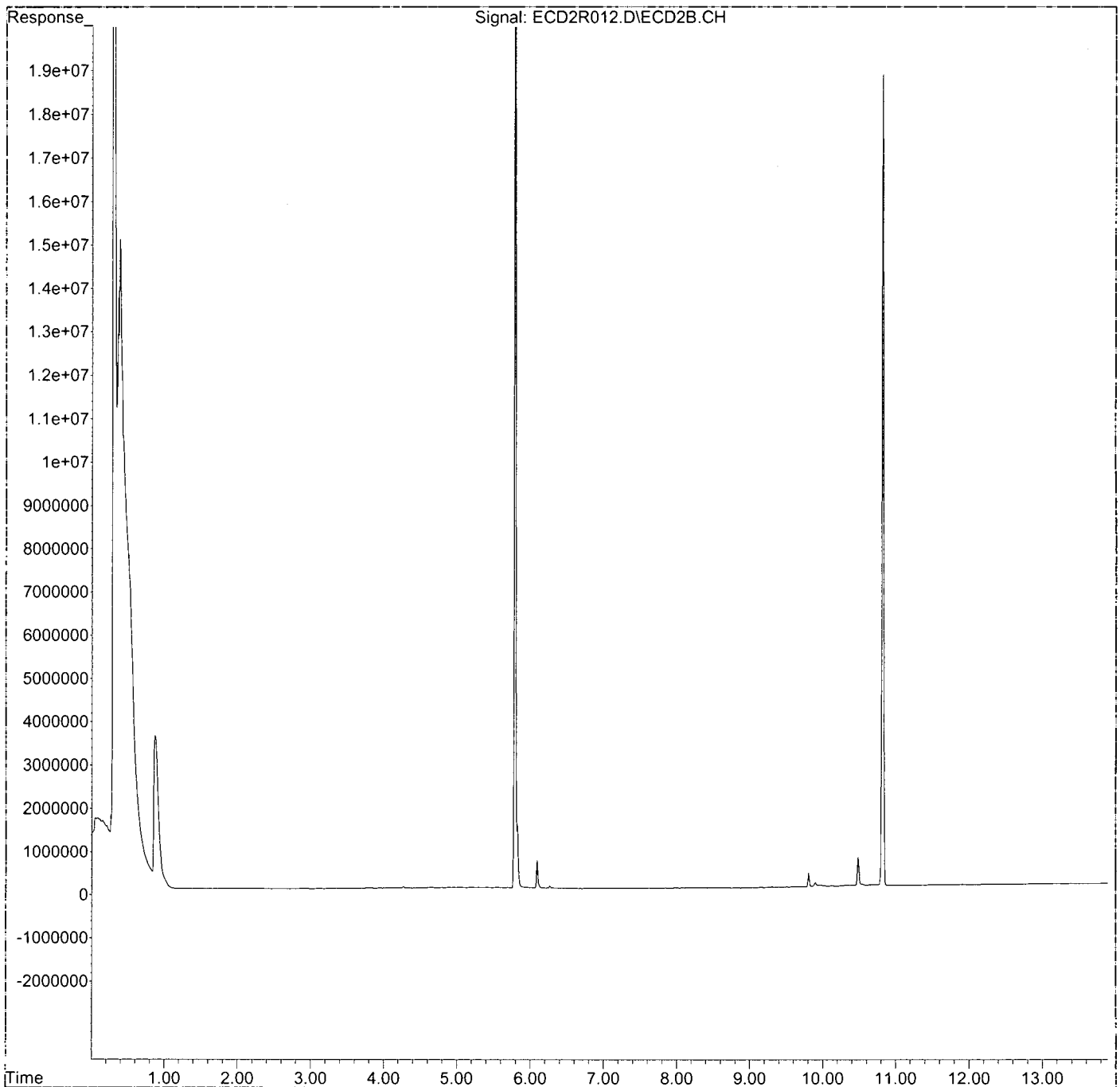
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13026\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 13 May 2020 10:21 am
Operator : MJB / KAK
Sample : AOD0763-10
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 13 11:52:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13026\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 10:56 am
 Operator : MJB / KAK
 Sample : 0050441-DUP1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 11:52:37 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.789	51814325	135.186	ng/ml
64) S DCBP (S)	10.823	26929461	150.495	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.459	14299	1.250	ng/ml
3) Aroclor 1016 (2)	6.945	109309	5.359	ng/ml
4) Aroclor 1016 (3)	7.073	43282	4.526	ng/ml
5) Aroclor 1016 (4)	7.159	42075	4.629	ng/ml
6) Aroclor 1016 (5)	7.204	52185	5.164	ng/ml
7) Aroclor 1016 (6)	7.330	43006	4.316	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.970	18960	6.508	ng/ml
10) Aroclor 1221 (2)	6.032	12399	4.481	ng/ml
11) Aroclor 1221 (3)	6.095	976444	104.618	ng/ml
12) Aroclor 1221 (4)	6.648	15504	7.584	ng/ml
13) Aroclor 1221 (5)	6.945	109309	73.598	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.095	976444	131.187	ng/ml
16) Aroclor 1232 (2)	6.459	14299	3.238	ng/ml
17) Aroclor 1232 (3)	6.945	109309	13.329	ng/ml
18) Aroclor 1232 (4)	7.159	42075	13.974	ng/ml
19) Aroclor 1232 (5)	7.204	52185	14.719	ng/ml
20) Aroclor 1232 (6)	7.330	43006	12.268	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.459	14299	1.720	ng/ml
23) Aroclor 1242 (2)	6.945	109309	7.217	ng/ml
24) Aroclor 1242 (3)	7.073	43282	6.231	ng/ml
25) Aroclor 1242 (4)	7.159	42075	6.737	ng/ml
26) Aroclor 1242 (5)	7.204	52185	7.107	ng/ml
27) Aroclor 1242 (6)	7.330	43006	5.802	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.945	109309	12.109	ng/ml
30) Aroclor 1248 (2)	7.159	42075	3.584	ng/ml
31) Aroclor 1248 (3)	7.204	52185	5.052	ng/ml
32) Aroclor 1248 (4)	7.330	43006	3.318	ng/ml
33) Aroclor 1248 (5)	7.693	37463	2.443	ng/ml
34) Aroclor 1248 (6)	7.851	31681	2.337	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.676	35582	2.215	ng/ml
37) Aroclor 1254 (2)	7.851	31681	1.238	ng/ml
38) Aroclor 1254 (3)	8.163	15991	0.583	ng/ml
39) Aroclor 1254 (4)	8.402	16393	0.817	ng/ml
40) Aroclor 1254 (5)	8.737	6520	0.336	ng/ml
41) Aroclor 1254 (6)	8.988	14434	2.561	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.300	9290	0.486	ng/ml
44) Aroclor 1260 (2)	8.505	14154	0.609	ng/ml

↑ MDL

Data Path : K:\DATA\0E13026\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 10:56 am
 Operator : MJB / KAK
 Sample : 0050441-DUP1
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 11:52:37 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.737	6520	0.278 ng/ml
46)	Aroclor 1260 (4)	9.236	14455	0.397 ng/ml
47)	Aroclor 1260 (5)	9.513	16411	0.796 ng/ml
48)	Aroclor 1260 (6)	10.117	27065	3.388 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.505	14154	0.781 ng/ml
51)	Aroclor 1262 (2)	8.808	14644	0.589 ng/ml
52)	Aroclor 1262 (3)	8.988	14434	0.729 ng/ml
53)	Aroclor 1262 (4)	9.236	14455	0.357 ng/ml
54)	Aroclor 1262 (5)	9.513	16411	0.683 ng/ml
55)	Aroclor 1262 (6)	10.117	27065	2.548 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	9.031	12035	1.108 ng/ml
58)	Aroclor 1268 (2)	9.513	16411	0.353 ng/ml
59)	Aroclor 1268 (3)	9.581	15614	0.437 ng/ml
60)	Aroclor 1268 (4)	9.811	462020	14.622 ng/ml
61)	Aroclor 1268 (5)	10.117	27065	2.176 ng/ml
62)	Aroclor 1268 (6)	10.486	1003139	12.212 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

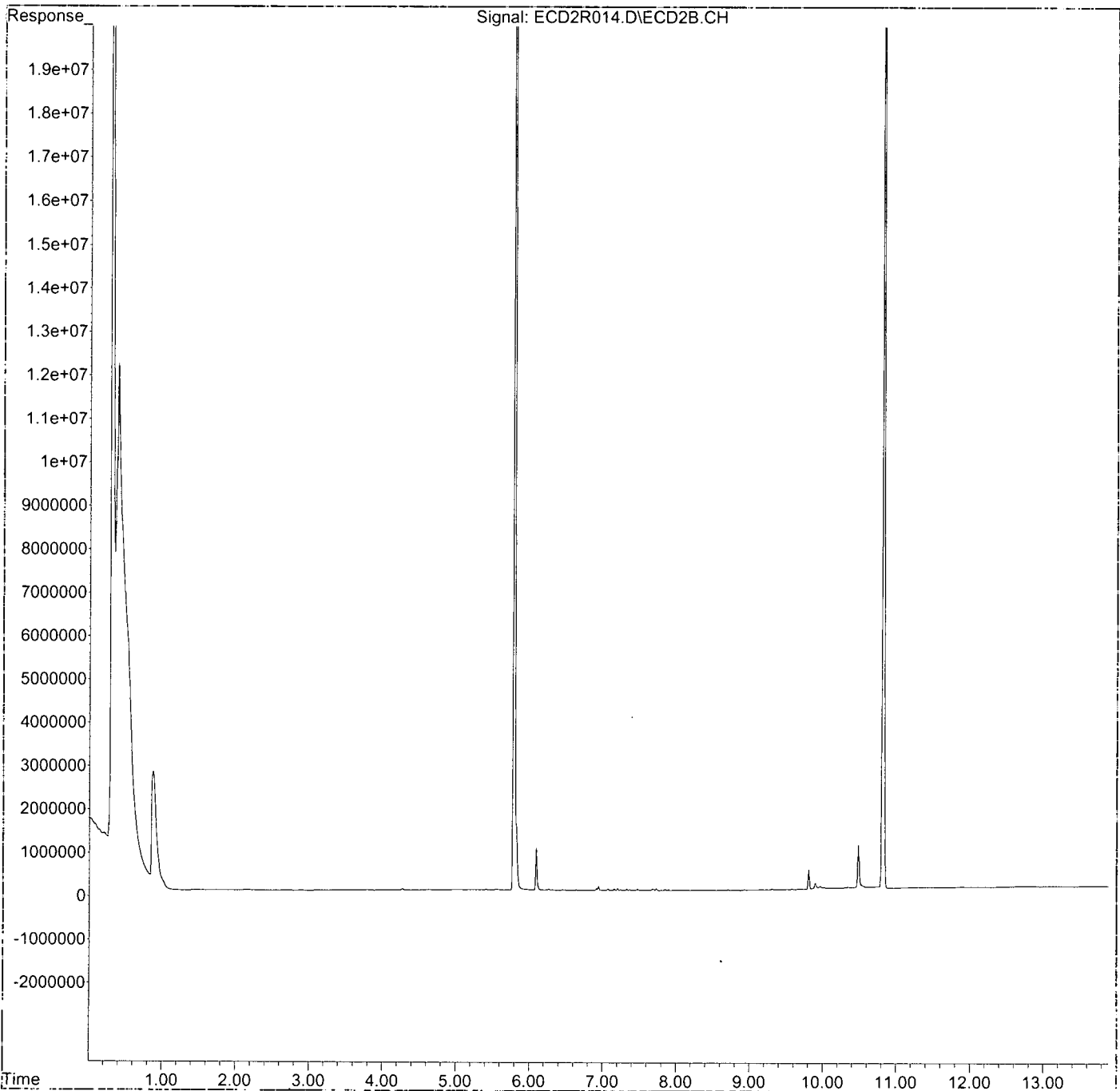
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E13026\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 13 May 2020 10:56 am
Operator : MJB / KAK
Sample : 0050441-DUP1
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 13 11:52:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um .



Data Path : K:\DATA\0E13026\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 11:31, am
 Operator : MJB / KAK
 Sample : 0E13026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 11:52:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	5.789	95960885	250.367	ng/ml
64) S DCBP (S)	10.824	46840859	261.770	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.457	5152426	450.282	ng/ml
3) Aroclor 1016 (2)	6.945	9107209	446.470	ng/ml
4) Aroclor 1016 (3)	7.072	4410421	461.208	ng/ml
5) Aroclor 1016 (4)	7.158	4151724	456.759	ng/ml
6) Aroclor 1016 (5)	7.204	4764739	471.528	ng/ml
7) Aroclor 1016 (6)	7.330	4691854	470.856	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.961	361484	124.072	ng/ml
10) Aroclor 1221 (2)	6.033	670466	242.310	ng/ml
11) Aroclor 1221 (3)	6.120	3258545	349.128	ng/ml
12) Aroclor 1221 (4)	6.631	3160195	1545.915	ng/ml
13) Aroclor 1221 (5)	6.945	9107209	6131.870	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.120	3258545	437.791	ng/ml
16) Aroclor 1232 (2)	6.457	5152426	1166.978	ng/ml
17) Aroclor 1232 (3)	6.945	9107209	1110.489	ng/ml
18) Aroclor 1232 (4)	7.158	4151724	1378.830	ng/ml
19) Aroclor 1232 (5)	7.204	4764739	1343.914	ng/ml
20) Aroclor 1232 (6)	7.330	4691854	1338.351	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.457	5152426	619.940	ng/ml
23) Aroclor 1242 (2)	6.945	9107209	601.318	ng/ml
24) Aroclor 1242 (3)	7.072	4410421	634.931	ng/ml
25) Aroclor 1242 (4)	7.158	4151724	664.802	ng/ml
26) Aroclor 1242 (5)	7.204	4764739	648.899	ng/ml
27) Aroclor 1242 (6)	7.330	4691854	632.998	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.945	9107209	1008.855	ng/ml
30) Aroclor 1248 (2)	7.158	4151724	353.693	ng/ml
31) Aroclor 1248 (3)	7.204	4764739	461.243	ng/ml
32) Aroclor 1248 (4)	7.330	4691854	361.931	ng/ml
33) Aroclor 1248 (5)	7.693	1010962	65.921	ng/ml
34) Aroclor 1248 (6)	7.852	3656944	269.751	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.672	3251899	202.418	ng/ml
37) Aroclor 1254 (2)	7.852	3656944	142.899	ng/ml
38) Aroclor 1254 (3)	8.164	2142262	78.051	ng/ml
39) Aroclor 1254 (4)	8.403	1380687	68.794	ng/ml
40) Aroclor 1254 (5)	8.739	11547887	594.424	ng/ml
41) Aroclor 1254 (6)	8.988	7912964	1404.222	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.301	8920265	466.355	ng/ml
44) Aroclor 1260 (2)	8.506	11520769	495.387	ng/ml

Data Path : K:\DATA\0E13026\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 11:31 am
 Operator : MJB / KAK
 Sample : 0E13026-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 11:52:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.739	11547887	491.474	ng/ml
46) Aroclor 1260 (4)	9.237	18688196	512.728	ng/ml
47) Aroclor 1260 (5)	9.512	10472179	507.753	ng/ml
48) Aroclor 1260 (6)	10.111	3917691	490.441	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.506	11520769	635.315	ng/ml
51) Aroclor 1262 (2)	8.808	8440383	339.203	ng/ml
52) Aroclor 1262 (3)	8.988	7912964	399.774	ng/ml
53) Aroclor 1262 (4)	9.237	18688196	462.099	ng/ml
54) Aroclor 1262 (5)	9.512	10472179	435.681	ng/ml
55) Aroclor 1262 (6)	10.111	3917691	368.810	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	9.032	571669	52.648	ng/ml
58) Aroclor 1268 (2)	9.512	10472179	225.025	ng/ml
59) Aroclor 1268 (3)	9.579	4017672	112.342	ng/ml
60) Aroclor 1268 (4)	9.811	344794	10.912	ng/ml
61) Aroclor 1268 (5)	10.111	3917691	314.911	ng/ml
62) Aroclor 1268 (6)	10.487	1112067	13.538	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

✓

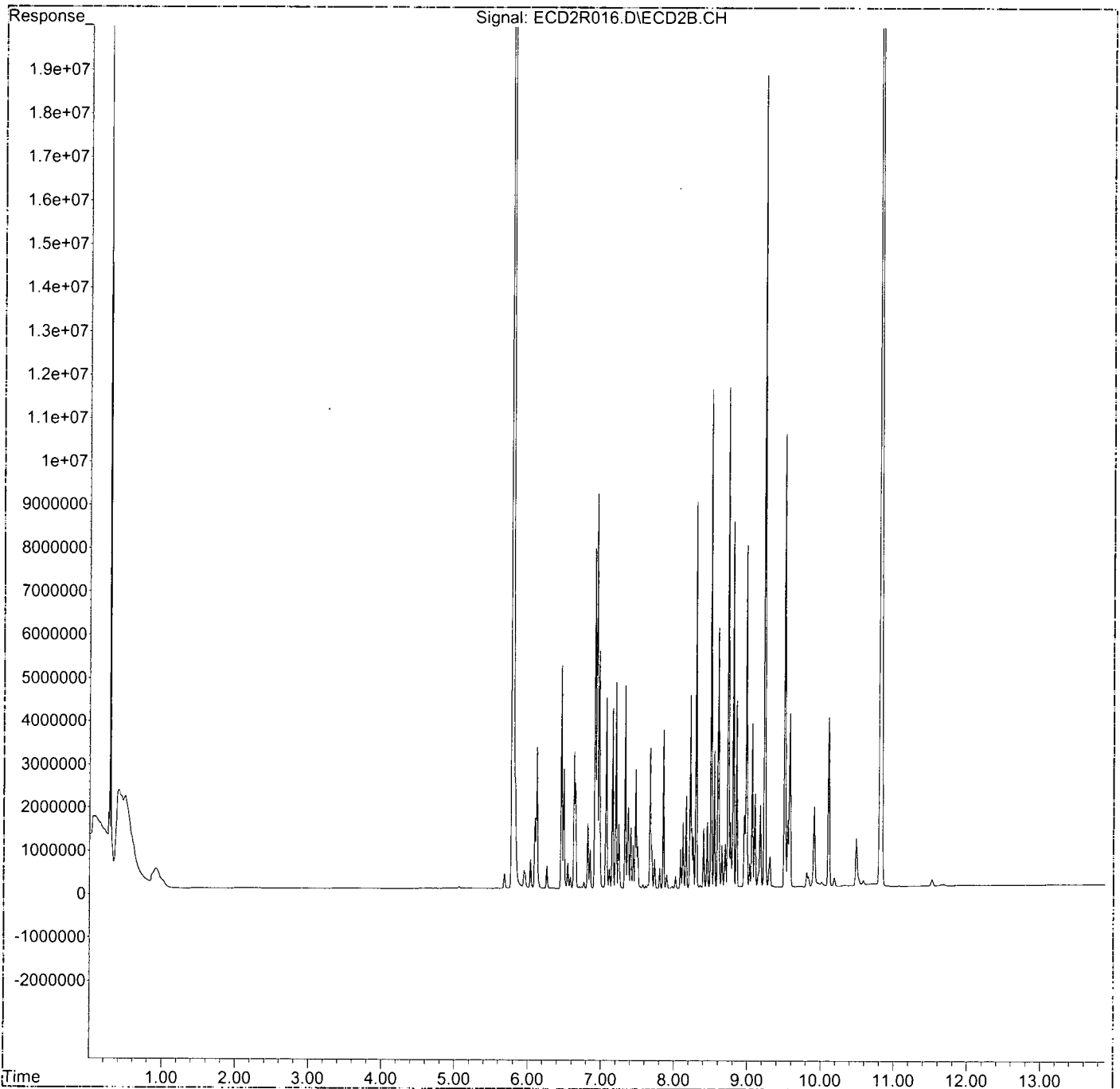
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13026\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 13 May 2020 11:31 am
Operator : MJB / KAK
Sample : 0E13026-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 13 11:52:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13026\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 11:49 am
 Operator : MJB / KAK
 Sample : 0E13026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 16:24:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/13/20
Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.787	34215175	89.269 ng/ml
64) S DCBP (S)	10.824	16774796	93.746 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.459	2359	0.206 ng/ml
3) Aroclor 1016 (2)	6.958	3808	0.187 ng/ml
4) Aroclor 1016 (3)	7.073	3815	0.399 ng/ml
5) Aroclor 1016 (4)	7.160	3280	0.361 ng/ml
6) Aroclor 1016 (5)	7.205	3283	0.325 ng/ml
7) Aroclor 1016 (6)	7.334	2208	0.222 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.968	18870	6.477 ng/ml
10) Aroclor 1221 (2)	6.035	9478	3.425 ng/ml
11) Aroclor 1221 (3)	6.093	636718	68.219 ng/ml
12) Aroclor 1221 (4)	6.632	4011	1.962 ng/ml
13) Aroclor 1221 (5)	6.958	3808	2.564 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.093	636718	85.544 ng/ml
16) Aroclor 1232 (2)	6.459	2359	0.534 ng/ml
17) Aroclor 1232 (3)	6.958	3808	0.464 ng/ml
18) Aroclor 1232 (4)	7.160	3280	1.089 ng/ml
19) Aroclor 1232 (5)	7.205	3283	0.926 ng/ml
20) Aroclor 1232 (6)	7.334	2208	0.630 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.459	2359	0.284 ng/ml
23) Aroclor 1242 (2)	6.958	3808	0.251 ng/ml
24) Aroclor 1242 (3)	7.073	3815	0.549 ng/ml
25) Aroclor 1242 (4)	7.160	3280	0.525 ng/ml
26) Aroclor 1242 (5)	7.205	3283	0.447 ng/ml
27) Aroclor 1242 (6)	7.334	2208	0.298 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.958	3808	0.422 ng/ml
30) Aroclor 1248 (2)	7.160	3280	0.279 ng/ml
31) Aroclor 1248 (3)	7.205	3283	0.318 ng/ml
32) Aroclor 1248 (4)	7.334	2208	0.170 ng/ml
33) Aroclor 1248 (5)	7.702	849	0.055 ng/ml
34) Aroclor 1248 (6)	7.857	775	0.057 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.678	1176	0.073 ng/ml
37) Aroclor 1254 (2)	7.857	775	0.030 ng/ml
38) Aroclor 1254 (3)	8.166	1747	0.064 ng/ml
39) Aroclor 1254 (4)	8.408	895	0.045 ng/ml
40) Aroclor 1254 (5)	8.751	2127	0.109 ng/ml
41) Aroclor 1254 (6)	8.977	3582	0.636 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.302	1497	0.078 ng/ml
44) Aroclor 1260 (2)	8.512	3373	0.145 ng/ml

Data Path : K:\DATA\0E13026\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 13 May 2020 11:49 am
 Operator : MJB / KAK
 Sample : 0E13026-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 13 16:24:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.751	2127	0.091 ng/ml
46) Aroclor 1260 (4)	9.242	5257	0.144 ng/ml
47) Aroclor 1260 (5)	9.517	12390	0.601 ng/ml
48) Aroclor 1260 (6)	10.123	30576	3.828 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.512	3373	0.186 ng/ml
51) Aroclor 1262 (2)	8.809	2526	0.102 ng/ml
52) Aroclor 1262 (3)	8.988	3176	0.160 ng/ml
53) Aroclor 1262 (4)	9.242	5257	0.130 ng/ml
54) Aroclor 1262 (5)	9.517	12390	0.515 ng/ml
55) Aroclor 1262 (6)	10.123	30576	2.878 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.030	10745	0.990 ng/ml
58) Aroclor 1268 (2)	9.517	12390	0.266 ng/ml
59) Aroclor 1268 (3)	9.585	9826	0.275 ng/ml
60) Aroclor 1268 (4)	9.812	120257	3.806 ng/ml
61) Aroclor 1268 (5)	10.123	30576	2.458 ng/ml
62) Aroclor 1268 (6)	10.489	200661	2.443 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

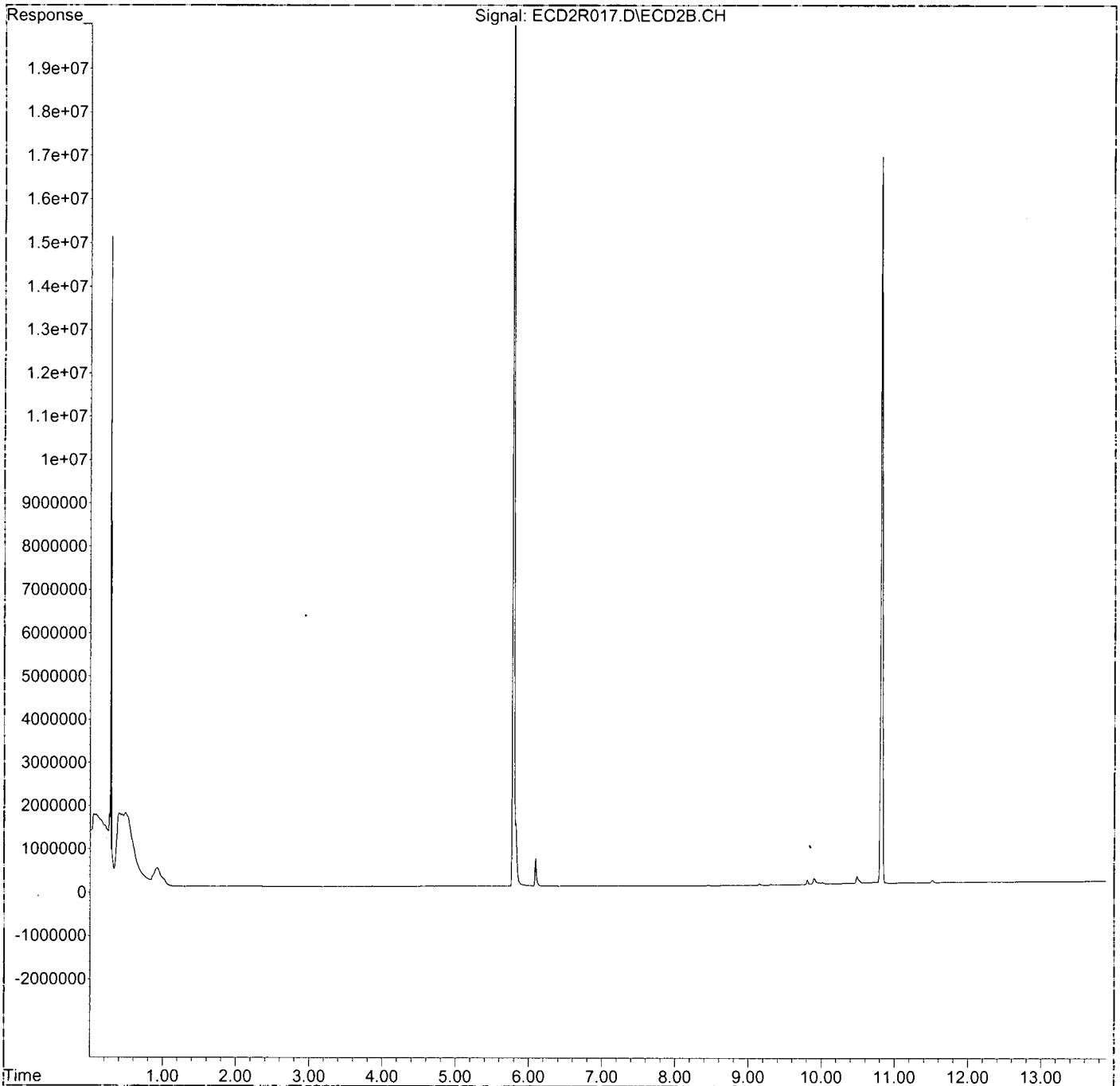
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13026\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 13 May 2020 11:49 am
Operator : MJB / KAK
Sample : 0E13026-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 13 16:24:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 0E13025 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E13025

Instrument: DUALECD2F

Date: 05/13/20 06:12

Calibration: A0D2707

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E13025-CCV1	Sediment	QC	QC				
2	0E13025-CCB1	Sediment	QC	QC				A20D197
3	0050441-BLK1	Sediment	QC	QC		0050441		A20D303
4	0050441-BS1	Sediment	QC	QC		0050441		
5	A0D0632-01RE2	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/04/20	0050441		
6	0E13025-IBL1	Sediment	QC	QC				
7	A0D0677-37RE2	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/06/20	0050441		
8	0E13025-IBL2	Sediment	QC	QC				
9	A0D0677-46RE2	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/06/20	0050441		
10	0E13025-IBL3	Sediment	QC	QC				
11	A0E0004-16	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/13/20	0050441		
12	0E13025-IBL4	Sediment	QC	QC				
13	0050441-MS1	Sediment	QC	QC		0050441		
14	0E13025-IBL5	Sediment	QC	QC				
15	0E13025-CCV2	Sediment	QC	QC				A20D197
16	0E13025-CCB2	Sediment	QC	QC				A20D303

Data Entered By: *[Signature]* 5/13/20

Comments:

Data Reviewed By: *[Signature]* 5/13/20

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.

0E13025-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	443.22
1016 (2)	455.47
1016 (3)	454.83
1016 (4)	462.73
1016 (5)	447.09
1016 (6)	470.62
Average:	455.66

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	477.08
1260 (2)	481.32
1260 (3)	477.01
1260 (4)	515.67
1260 (5)	489.93
1260 (6)	465.88
Average:	484.48

0050441-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	788.90
1016 (2)	894.74
1016 (3)	821.42
1016 (4)	875.05
1016 (5)	863.71
1016 (6)	883.79
Average:	854.60

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	966.96
1260 (2)	1,002.89
1260 (3)	1,038.33
1260 (4)	1,159.89
1260 (5)	1,074.28
1260 (6)	1,033.71
Average:	1,046.01

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.

0050441-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	595.01
1016 (2)	680.75
1016 (3)	613.12
1016 (4)	852.75
1016 (5)	942.62
1016 (6)	781.02
Average:	744.21

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	Ø 805.69
1260 (2)	Ø 868.47
1260 (3)	684.87
1260 (4)	748.97
1260 (5)	717.92
1260 (6)	626.30
Average:	742.04 694.52 <i>MM 5/13/20</i>

0E13025-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	444.22
1016 (2)	481.05
1016 (3)	479.49
1016 (4)	460.67
1016 (5)	460.20
1016 (6)	472.07
Average:	466.28

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	487.37
1260 (2)	480.27
1260 (3)	469.77
1260 (4)	516.72
1260 (5)	483.33
1260 (6)	478.00
Average:	485.91

Data Path : K:\DATA\0E13025\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 7:24 am
 Operator : MJB / KAK
 Sample : 0E13025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Updated

5/13/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.921	41430703	223.696 ng/ml
64) S DCBP (S)	9.680	41987295	235.650 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.823	2898311	443.225 ng/ml
3) Aroclor 1016 (2)	6.233	5900406	455.469 ng/ml
4) Aroclor 1016 (3)	6.314	3243902	454.828 ng/ml
5) Aroclor 1016 (4)	6.469	2715288	462.731 ng/ml
6) Aroclor 1016 (5)	6.690	3146743	447.094 ng/ml
7) Aroclor 1016 (6)	6.817	2270462	470.619 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.269	974173	447.297 ng/ml
10) Aroclor 1221 (2)	5.388	347404	235.539 ng/ml
11) Aroclor 1221 (3)	5.468	1557297	321.293 ng/ml
12) Aroclor 1221 (4)	5.933	323600	370.489 ng/ml
13) Aroclor 1221 (5)	6.233	5900406	6283.992 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.468	1557297	420.732 ng/ml
16) Aroclor 1232 (2)	6.233	5900406	1161.932 ng/ml
17) Aroclor 1232 (3)	6.314	3243902	1161.409 ng/ml
18) Aroclor 1232 (4)	6.469	2715288	1454.736 ng/ml
19) Aroclor 1232 (5)	6.690	3146743	1272.876 ng/ml
20) Aroclor 1232 (6)	6.817	2270462	1133.457 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.823	2898311	588.247 ng/ml
23) Aroclor 1242 (2)	6.233	5900406	580.486 ng/ml
24) Aroclor 1242 (3)	6.314	3243902	605.209 ng/ml
25) Aroclor 1242 (4)	6.469	2715288	668.548 ng/ml
26) Aroclor 1242 (5)	6.690	3146743	609.795 ng/ml
27) Aroclor 1242 (6)	6.817	2270462	543.738 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.233	5900406	996.966 ng/ml
30) Aroclor 1248 (2)	6.469	2715288	387.061 ng/ml
31) Aroclor 1248 (3)	6.690	3146743	372.349 ng/ml
32) Aroclor 1248 (4)	6.982	622192	61.849 ng/ml
33) Aroclor 1248 (5)	7.018	2175293	213.526 ng/ml
34) Aroclor 1248 (6)	7.503	4596066	830.842 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.018	2175293	214.155 ng/ml
37) Aroclor 1254 (2)	7.125	2306289	187.018 ng/ml
38) Aroclor 1254 (3)	7.503	4596066	254.739 ng/ml
39) Aroclor 1254 (4)	7.660	713776	55.171 ng/ml
40) Aroclor 1254 (5)	8.040	6399647	497.140 ng/ml
41) Aroclor 1254 (6)	8.333	719622	169.437 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.613	6327193	477.079 ng/ml
44) Aroclor 1260 (2)	7.746	8064959	481.316 ng/ml

✓

✓

Data Path : K:\DATA\0E13025\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 7:24 am
 Operator : MJB / KAK
 Sample : 0E13025-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.302	5960565	477.009 ng/ml
46) Aroclor 1260 (4)	8.471	14514951	515.670 ng/ml
47) Aroclor 1260 (5)	8.770	9277897	489.929 ng/ml
48) Aroclor 1260 (6)	9.167	3741125	465.876 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.746	8064959	633.347 ng/ml
51) Aroclor 1262 (2)	8.070	5799912	330.164 ng/ml
52) Aroclor 1262 (3)	8.302	5960565	392.656 ng/ml
53) Aroclor 1262 (4)	8.471	14514951	460.132 ng/ml
54) Aroclor 1262 (5)	8.770	9277897	478.328 ng/ml
55) Aroclor 1262 (6)	9.167	3741125	346.324 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.302	5960565	693.154 ng/ml
58) Aroclor 1268 (2)	8.718	3342303	89.792 ng/ml
59) Aroclor 1268 (3)	8.770	9277897	283.354 ng/ml
60) Aroclor 1268 (4)	8.947	448577	15.168 ng/ml
61) Aroclor 1268 (5)	9.167	3741125	318.576 ng/ml
62) Aroclor 1268 (6)	9.433	1049778	12.629 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

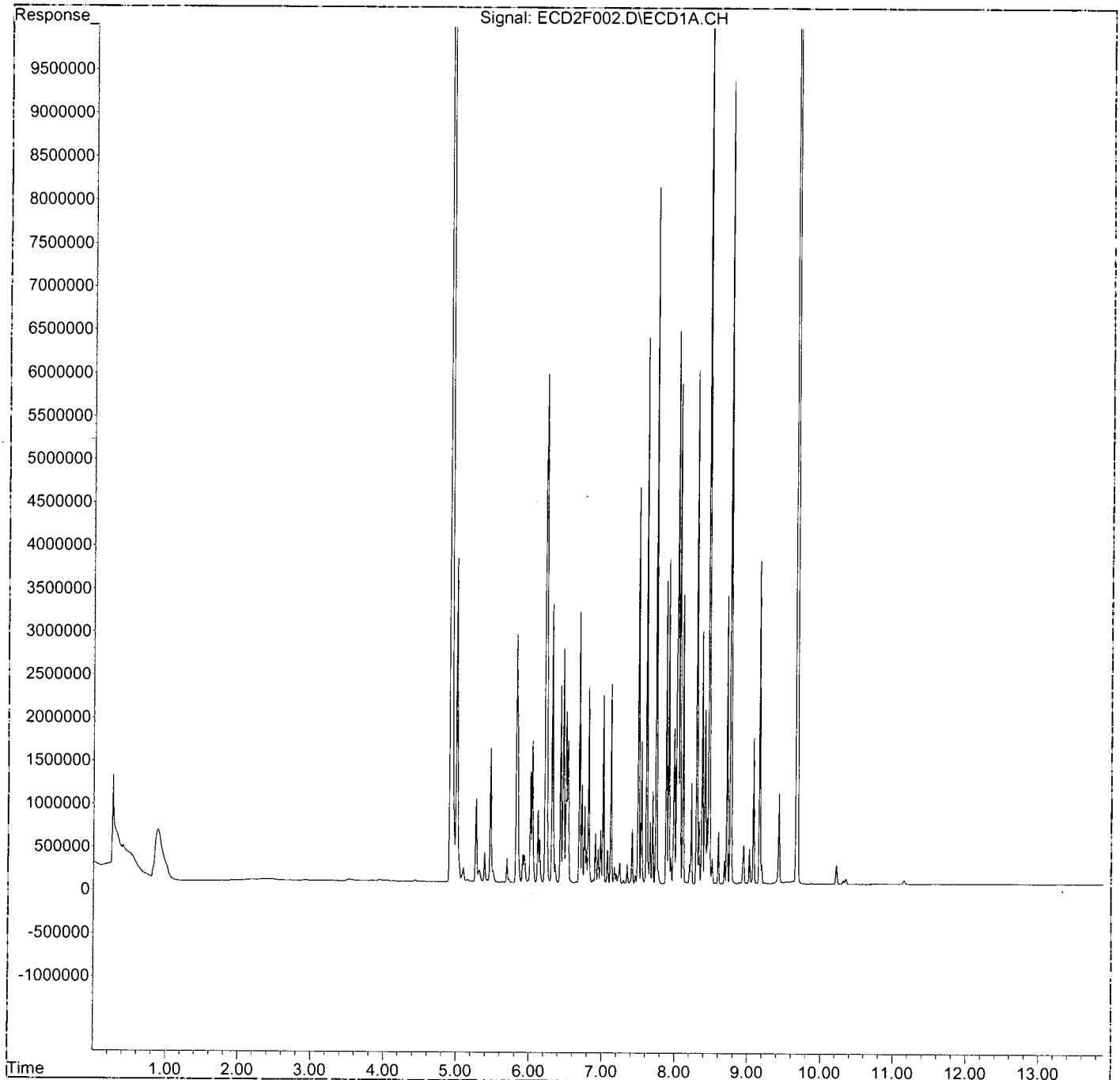
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13025\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 13 May 2020 7:24 am
Operator : MJB / KAK
Sample : 0E13025-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 13 09:10:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13025\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 7:42 am
 Operator : MJB / KAK
 Sample : 0E13025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

5/13/20
Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.921	15662653	84.567 ng/ml
64) S DCBP (S)	9.679	15883859	89.147 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.827	1322	0.202 ng/ml
3) Aroclor 1016 (2)	6.249	6367	0.492 ng/ml
4) Aroclor 1016 (3)	6.330	5981	0.839 ng/ml
5) Aroclor 1016 (4)	6.479	1853	0.316 ng/ml
6) Aroclor 1016 (5)	6.697	1289	0.183 ng/ml
7) Aroclor 1016 (6)	6.815	2517	0.522 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.269	323136	148.370 ng/ml
10) Aroclor 1221 (2)	5.390	2891	1.960 ng/ml
11) Aroclor 1221 (3)	5.480	2860	0.590 ng/ml
12) Aroclor 1221 (4)	5.934	1866	2.136 ng/ml
13) Aroclor 1221 (5)	6.249	6367	6.781 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.480	2860	0.773 ng/ml
16) Aroclor 1232 (2)	6.249	6367	1.254 ng/ml
17) Aroclor 1232 (3)	6.330	5981	2.141 ng/ml
18) Aroclor 1232 (4)	6.479	1853	0.993 ng/ml
19) Aroclor 1232 (5)	6.697	1289	0.522 ng/ml
20) Aroclor 1232 (6)	6.815	2517	1.257 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.827	1322	0.268 ng/ml
23) Aroclor 1242 (2)	6.249	6367	0.626 ng/ml
24) Aroclor 1242 (3)	6.330	5981	1.116 ng/ml
25) Aroclor 1242 (4)	6.479	1853	0.456 ng/ml
26) Aroclor 1242 (5)	6.697	1289	0.250 ng/ml
27) Aroclor 1242 (6)	6.815	2517	0.603 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.249	6367	1.076 ng/ml
30) Aroclor 1248 (2)	6.479	1853	0.264 ng/ml
31) Aroclor 1248 (3)	6.697	1289	0.153 ng/ml
32) Aroclor 1248 (4)	6.994	1661	0.165 ng/ml
33) Aroclor 1248 (5)	7.019	2330	0.229 ng/ml
34) Aroclor 1248 (6)	7.505	3134	0.566 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.019	2330	0.229 ng/ml
37) Aroclor 1254 (2)	7.131	2659	0.216 ng/ml
38) Aroclor 1254 (3)	7.505	3134	0.174 ng/ml
39) Aroclor 1254 (4)	7.665	2982	0.230 ng/ml
40) Aroclor 1254 (5)	8.052	22429	1.742 ng/ml
41) Aroclor 1254 (6)	8.334	9500	2.237 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.617	3210	0.242 ng/ml
44) Aroclor 1260 (2)	7.744	4546	0.271 ng/ml

Data Path : K:\DATA\0E13025\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 7:42 am
 Operator : MJB / KAK
 Sample : 0E13025-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.299	7413	0.593 ng/ml
46)	Aroclor 1260 (4)	8.466	70148	2.492 ng/ml
47)	Aroclor 1260 (5)	8.771	11653	0.615 ng/ml
48)	Aroclor 1260 (6)	9.168	7434	0.926 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.744	4546	0.357 ng/ml
51)	Aroclor 1262 (2)	8.094	5136	0.292 ng/ml
52)	Aroclor 1262 (3)	8.299	7413	0.488 ng/ml
53)	Aroclor 1262 (4)	8.466	70148	2.224 ng/ml
54)	Aroclor 1262 (5)	8.771	11653	0.601 ng/ml
55)	Aroclor 1262 (6)	9.168	7434	0.688 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.299	7413	0.862 ng/ml
58)	Aroclor 1268 (2)	8.717	8018	0.215 ng/ml
59)	Aroclor 1268 (3)	8.771	11653	0.356 ng/ml
60)	Aroclor 1268 (4)	8.949	137890	4.663 ng/ml
61)	Aroclor 1268 (5)	9.168	7434	0.633 ng/ml
62)	Aroclor 1268 (6)	9.434	117066	1.408 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

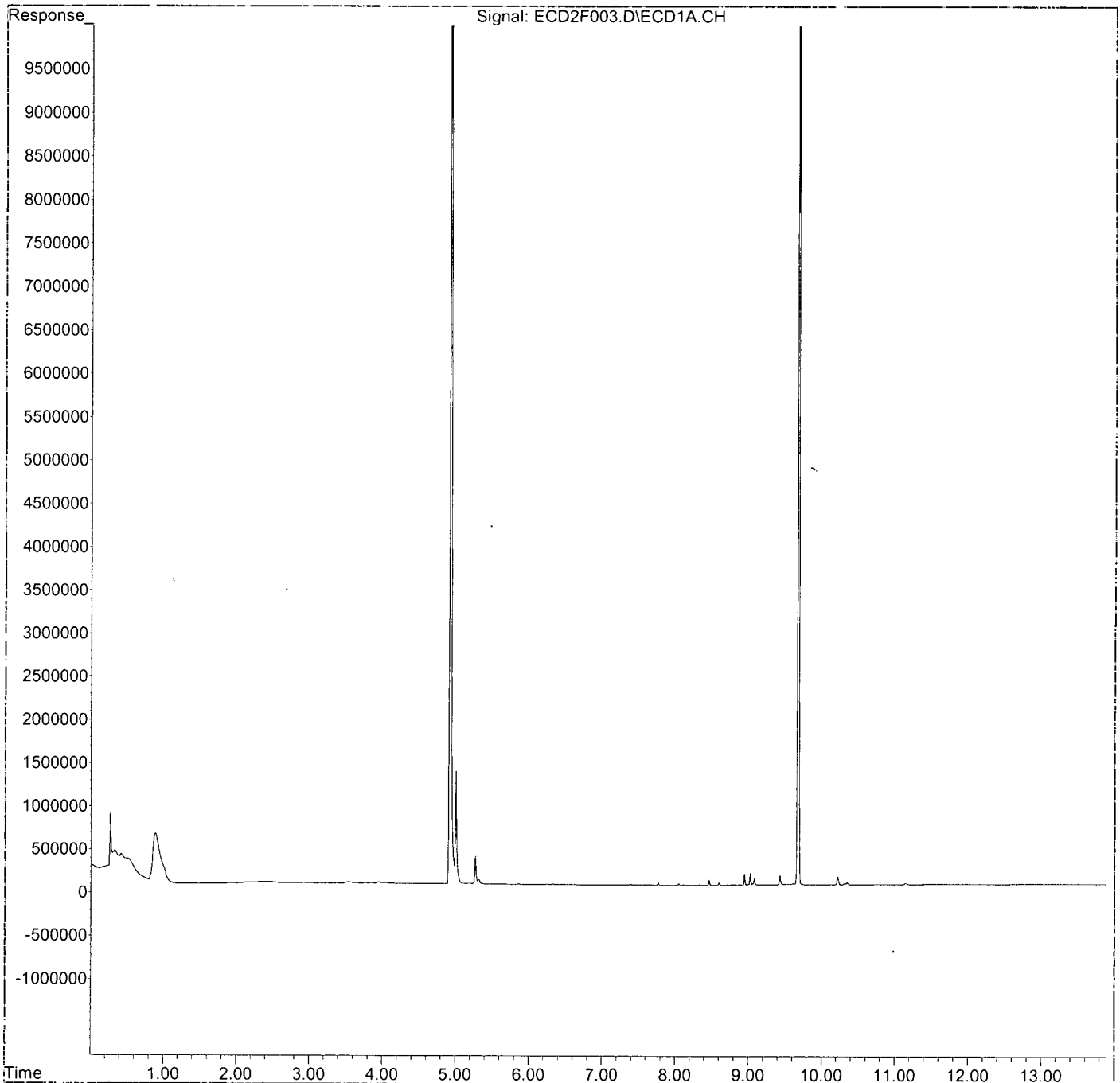
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13025\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 13 May 2020 7:42 am
Operator : MJB / KAK
Sample : 0E13025-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 13 09:10:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13025\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 7:59 am
 Operator : MJB / KAK
 Sample : 0050441-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:40 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Handwritten word
Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.923	26728922	144.317 ng/ml
64) S DCBP (S)	9.681	36420823	204.409 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.826	5421	0.829 ng/ml
3) Aroclor 1016 (2)	6.235	7896	0.610 ng/ml
4) Aroclor 1016 (3)	6.311	3390	0.475 ng/ml
5) Aroclor 1016 (4)	6.471	3954	0.674 ng/ml
6) Aroclor 1016 (5)	6.692	3578	0.508 ng/ml
7) Aroclor 1016 (6)	6.818	5089	1.055 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.270	537081	246.603 ng/ml
10) Aroclor 1221 (2)	5.407	3443	2.335 ng/ml
11) Aroclor 1221 (3)	5.457	11832	2.441 ng/ml
12) Aroclor 1221 (4)	5.939	3400	3.893 ng/ml
13) Aroclor 1221 (5)	6.235	7896	8.410 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.457	11832	3.197 ng/ml
16) Aroclor 1232 (2)	6.235	7896	1.555 ng/ml
17) Aroclor 1232 (3)	6.311	3390	1.214 ng/ml
18) Aroclor 1232 (4)	6.471	3954	2.118 ng/ml
19) Aroclor 1232 (5)	6.692	3578	1.447 ng/ml
20) Aroclor 1232 (6)	6.818	5089	2.540 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.826	5421	1.100 ng/ml
23) Aroclor 1242 (2)	6.235	7896	0.777 ng/ml
24) Aroclor 1242 (3)	6.311	3390	0.632 ng/ml
25) Aroclor 1242 (4)	6.471	3954	0.974 ng/ml
26) Aroclor 1242 (5)	6.692	3578	0.693 ng/ml
27) Aroclor 1242 (6)	6.818	5089	1.219 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.235	7896	1.334 ng/ml
30) Aroclor 1248 (2)	6.471	3954	0.564 ng/ml
31) Aroclor 1248 (3)	6.692	3578	0.423 ng/ml
32) Aroclor 1248 (4)	6.986	2548	0.253 ng/ml
33) Aroclor 1248 (5)	7.019	4658	0.457 ng/ml
34) Aroclor 1248 (6)	7.502	7373	1.333 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.019	4658	0.459 ng/ml
37) Aroclor 1254 (2)	7.127	5537	0.449 ng/ml
38) Aroclor 1254 (3)	7.502	7373	0.409 ng/ml
39) Aroclor 1254 (4)	7.661	4685	0.362 ng/ml
40) Aroclor 1254 (5)	8.053	28801	2.237 ng/ml
41) Aroclor 1254 (6)	8.334	3147	0.741 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.615	7418	0.559 ng/ml
44) Aroclor 1260 (2)	7.746	9060	0.541 ng/ml

Data Path : K:\DATA\0E13025\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 7:59 am
 Operator : MJB / KAK
 Sample : 0050441-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:40 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.301	5474	0.438 ng/ml
46) Aroclor 1260 (4)	8.468	46099	1.638 ng/ml
47) Aroclor 1260 (5)	8.771	16768	0.885 ng/ml
48) Aroclor 1260 (6)	9.167	8184	1.019 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.746	9060	0.712 ng/ml
51) Aroclor 1262 (2)	8.053	28801	1.640 ng/ml
52) Aroclor 1262 (3)	8.301	5474	0.361 ng/ml
53) Aroclor 1262 (4)	8.468	46099	1.461 ng/ml
54) Aroclor 1262 (5)	8.771	16768	0.864 ng/ml
55) Aroclor 1262 (6)	9.167	8184	0.758 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.301	5474	0.637 ng/ml
58) Aroclor 1268 (2)	8.719	12510	0.336 ng/ml
59) Aroclor 1268 (3)	8.771	16768	0.512 ng/ml
60) Aroclor 1268 (4)	8.950	662436	22.399 ng/ml
61) Aroclor 1268 (5)	9.167	8184	0.697 ng/ml
62) Aroclor 1268 (6)	9.435	1347529	16.212 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

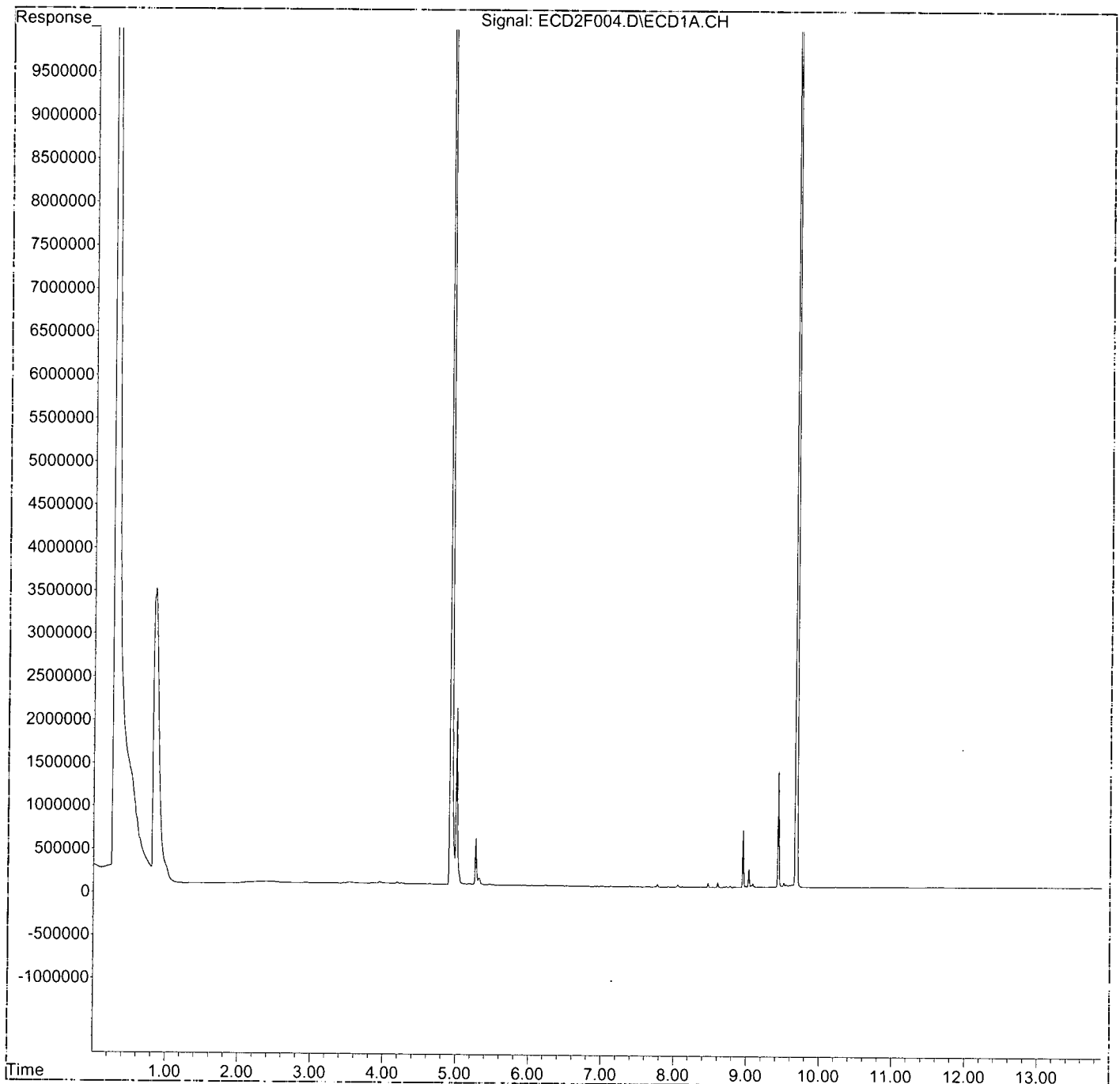
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13025\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 13 May 2020 7:59 am
Operator : MJB / KAK
Sample : 0050441-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 13 09:10:40 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13025\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 8:17 am
 Operator : MJB / KAK
 Sample : 0050441-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:59 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.921	30414289	164.215 ng/ml
64) S DCBP (S)	9.679	35912863	201.558 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.823	5158723	788.899 ng/ml
3) Aroclor 1016 (2)	6.233	11590982	894.741 ng/ml
4) Aroclor 1016 (3)	6.314	5858484	821.420 ng/ml
5) Aroclor 1016 (4)	6.469	5134728	875.045 ng/ml
6) Aroclor 1016 (5)	6.690	6078998	863.714 ng/ml
7) Aroclor 1016 (6)	6.816	4263748	883.785 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.270	1070221	491.398 ng/ml
10) Aroclor 1221 (2)	5.388	581054	393.952 ng/ml
11) Aroclor 1221 (3)	5.468	2775686	572.664 ng/ml
12) Aroclor 1221 (4)	5.932	544730	623.661 ng/ml
13) Aroclor 1221 (5)	6.233	11590982	12344.514 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.468	2775686	749.902 ng/ml
16) Aroclor 1232 (2)	6.233	11590982	2282.544 ng/ml
17) Aroclor 1232 (3)	6.314	5858484	2097.503 ng/ml
18) Aroclor 1232 (4)	6.469	5134728	2750.970 ng/ml
19) Aroclor 1232 (5)	6.690	6078998	2458.990 ng/ml
20) Aroclor 1232 (6)	6.816	4263748	2128.543 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.823	5158723	1047.025 ng/ml
23) Aroclor 1242 (2)	6.233	11590982	1140.329 ng/ml
24) Aroclor 1242 (3)	6.314	5858484	1093.006 ng/ml
25) Aroclor 1242 (4)	6.469	5134728	1264.253 ng/ml
26) Aroclor 1242 (5)	6.690	6078998	1178.026 ng/ml
27) Aroclor 1242 (6)	6.816	4263748	1021.096 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.233	11590982	1958.478 ng/ml
30) Aroclor 1248 (2)	6.469	5134728	731.949 ng/ml
31) Aroclor 1248 (3)	6.690	6078998	719.317 ng/ml
32) Aroclor 1248 (4)	6.982	1197330	119.022 ng/ml
33) Aroclor 1248 (5)	7.017	4107787	403.218 ng/ml
34) Aroclor 1248 (6)	7.502	9253002	1672.687 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.017	4107787	404.406 ng/ml
37) Aroclor 1254 (2)	7.124	4516971	366.284 ng/ml
38) Aroclor 1254 (3)	7.502	9253002	512.851 ng/ml
39) Aroclor 1254 (4)	7.660	1403739	108.501 ng/ml
40) Aroclor 1254 (5)	8.040	12891694	1001.458 ng/ml
41) Aroclor 1254 (6)	8.332	1383796	325.818 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.614	12824129	966.958 ng/ml
44) Aroclor 1260 (2)	7.746	16804499	1002.891 ng/ml

✓

✓

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E13025\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 8:17 am
 Operator : MJB / KAK
 Sample : 0050441-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 09:10:59 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	8.302	12974609	1038.325	ng/ml
46)	Aroclor 1260 (4)	8.471	32648428	1159.894	ng/ml
47)	Aroclor 1260 (5)	8.770	20343892	1074.281	ng/ml
48)	Aroclor 1260 (6)	9.166	8301007	1033.711	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.746	16804499	1319.670	ng/ml
51)	Aroclor 1262 (2)	8.070	12635136	719.263	ng/ml
52)	Aroclor 1262 (3)	8.302	12974609	854.710	ng/ml
53)	Aroclor 1262 (4)	8.471	32648428	1034.974	ng/ml
54)	Aroclor 1262 (5)	8.770	20343892	1048.844	ng/ml
55)	Aroclor 1262 (6)	9.166	8301007	768.442	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.302	12974609	1508.818	ng/ml
58)	Aroclor 1268 (2)	8.718	7219891	193.964	ng/ml
59)	Aroclor 1268 (3)	8.770	20343892	621.319	ng/ml
60)	Aroclor 1268 (4)	8.947	998891	33.776	ng/ml
61)	Aroclor 1268 (5)	9.166	8301007	706.873	ng/ml
62)	Aroclor 1268 (6)	9.432	3020387	36.337	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

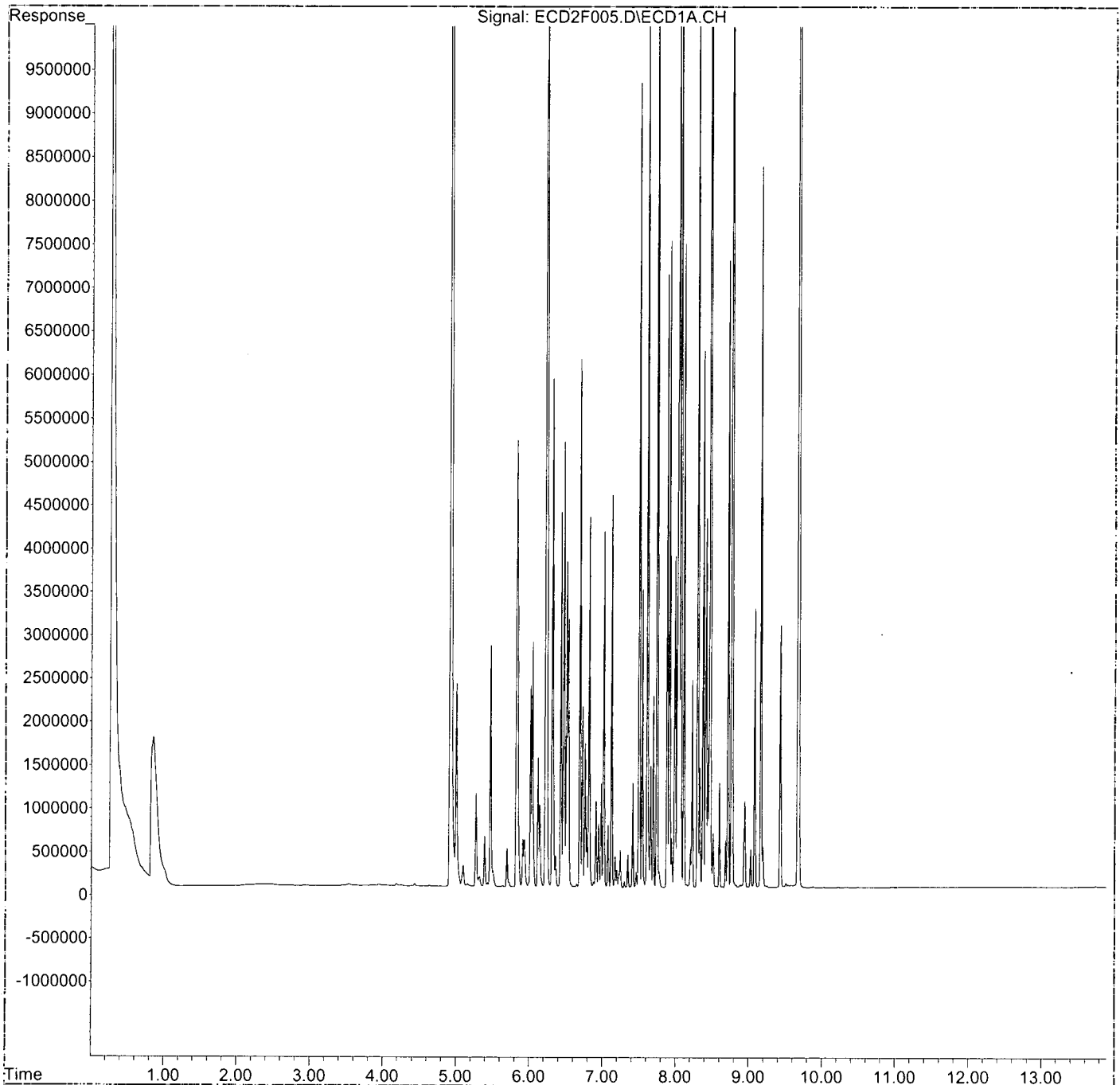
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13025\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 13 May 2020 8:17 am
Operator : MJB / KAK
Sample : 0050441-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 13 09:10:59 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E13025\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 11:31 am
 Operator : MJB / KAK
 Sample : 0E13025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 11:49:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 5/13/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.933	42307873	228.432 ng/ml
64) S DCBP (S)	9.687	41908424	235.207 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.833	2904837	444.223 ng/ml
3) Aroclor 1016 (2)	6.242	6231744	481.046 ng/ml
4) Aroclor 1016 (3)	6.322	3419798	479.491 ng/ml
5) Aroclor 1016 (4)	6.478	2703174	460.667 ng/ml
6) Aroclor 1016 (5)	6.699	3238955	460.196 ng/ml
7) Aroclor 1016 (6)	6.825	2277455	472.069 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.281	1014830	465.965 ng/ml
10) Aroclor 1221 (2)	5.398	348508	236.287 ng/ml
11) Aroclor 1221 (3)	5.479	1627128	335.700 ng/ml
12) Aroclor 1221 (4)	5.942	327371	374.806 ng/ml
13) Aroclor 1221 (5)	6.242	6231744	6636.871 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.479	1627128	439.598 ng/ml
16) Aroclor 1232 (2)	6.242	6231744	1227.181 ng/ml
17) Aroclor 1232 (3)	6.322	3419798	1224.384 ng/ml
18) Aroclor 1232 (4)	6.478	2703174	1448.246 ng/ml
19) Aroclor 1232 (5)	6.699	3238955	1310.176 ng/ml
20) Aroclor 1232 (6)	6.825	2277455	1136.948 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.833	2904837	589.572 ng/ml
23) Aroclor 1242 (2)	6.242	6231744	613.084 ng/ml
24) Aroclor 1242 (3)	6.322	3419798	638.025 ng/ml
25) Aroclor 1242 (4)	6.478	2703174	665.565 ng/ml
26) Aroclor 1242 (5)	6.699	3238955	627.665 ng/ml
27) Aroclor 1242 (6)	6.825	2277455	545.412 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.242	6231744	1052.951 ng/ml
30) Aroclor 1248 (2)	6.478	2703174	385.334 ng/ml
31) Aroclor 1248 (3)	6.699	3238955	383.260 ng/ml
32) Aroclor 1248 (4)	6.990	637372	63.359 ng/ml
33) Aroclor 1248 (5)	7.025	2207779	216.715 ng/ml
34) Aroclor 1248 (6)	7.510	4684214	846.776 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.025	2207779	217.353 ng/ml
37) Aroclor 1254 (2)	7.133	2301157	186.602 ng/ml
38) Aroclor 1254 (3)	7.510	4684214	259.624 ng/ml
39) Aroclor 1254 (4)	7.667	702907	54.331 ng/ml
40) Aroclor 1254 (5)	8.047	6425260	499.130 ng/ml
41) Aroclor 1254 (6)	8.340	710675	167.330 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.622	6463705	487.373 ng/ml
44) Aroclor 1260 (2)	7.753	8047471	480.272 ng/ml

Data Path : K:\DATA\0E13025\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 11:31 am
 Operator : MJB / KAK
 Sample : 0E13025-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 11:49:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.309	5870089	469.768 ng/ml
46) Aroclor 1260 (4)	8.477	14544496	516.719 ng/ml
47) Aroclor 1260 (5)	8.777	9152837	483.325 ng/ml
48) Aroclor 1260 (6)	9.173	3838470	477.999 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.753	8047471	631.974 ng/ml
51) Aroclor 1262 (2)	8.076	5982866	340.579 ng/ml
52) Aroclor 1262 (3)	8.309	5870089	386.696 ng/ml
53) Aroclor 1262 (4)	8.477	14544496	461.069 ng/ml
54) Aroclor 1262 (5)	8.777	9152837	471.881 ng/ml
55) Aroclor 1262 (6)	9.173	3838470	355.336 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.309	5870089	682.633 ng/ml
58) Aroclor 1268 (2)	8.725	3293820	88.489 ng/ml
59) Aroclor 1268 (3)	8.777	9152837	279.535 ng/ml
60) Aroclor 1268 (4)	8.953	344366	11.644 ng/ml
61) Aroclor 1268 (5)	9.173	3838470	326.865 ng/ml
62) Aroclor 1268 (6)	9.440	950961	11.441 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

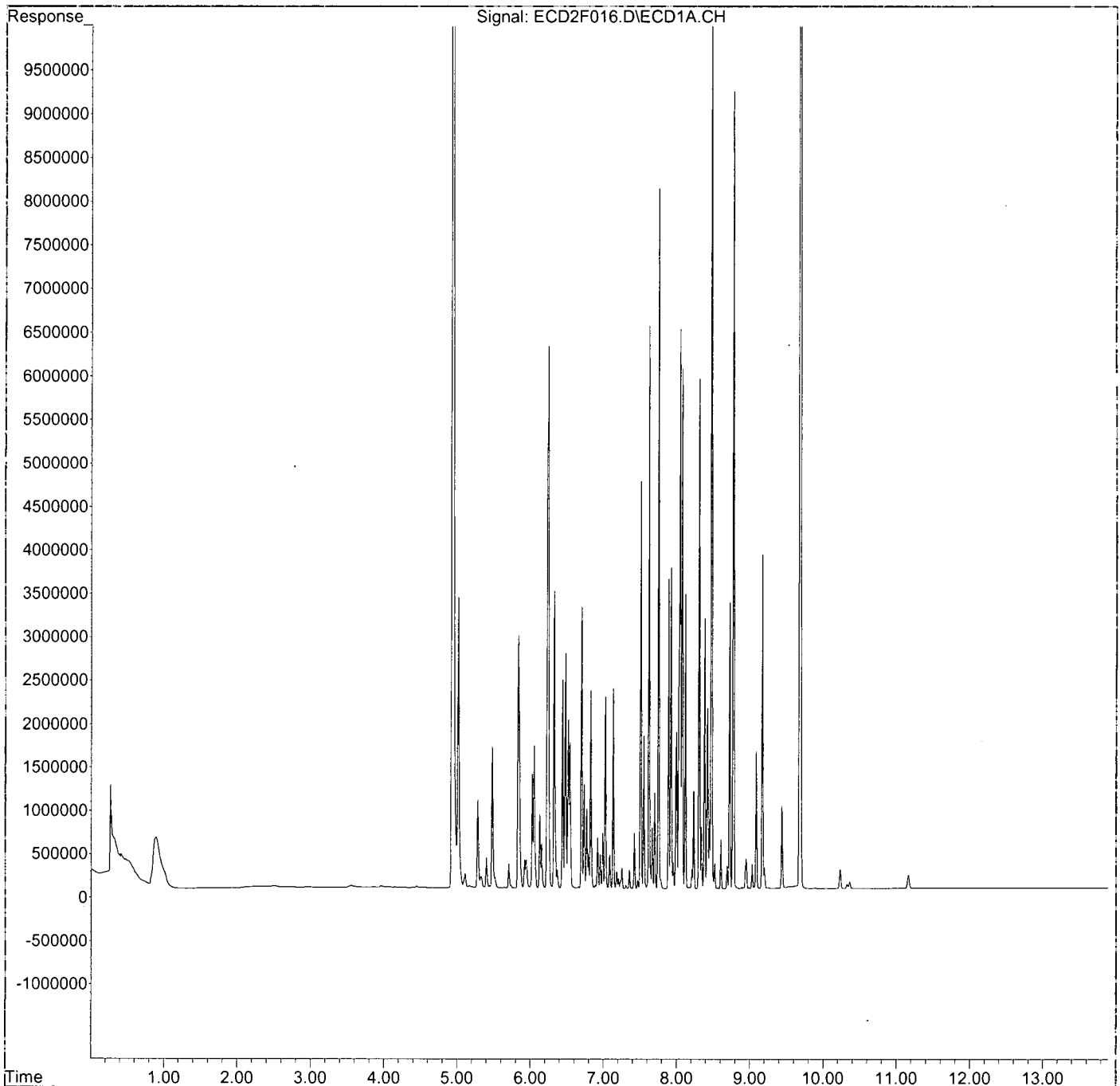
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13025\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 13 May 2020 11:31 am
Operator : MJB / KAK
Sample : 0E13025-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 13 11:49:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E13025\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 11:49 am
 Operator : MJB / KAK
 Sample : 0E13025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 12:32:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 5/13/20
Dean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.933	16462317	88.885 ng/ml
64) S DCBP (S)	9.687	16474060	92.459 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.826	3393	0.519 ng/ml
3) Aroclor 1016 (2)	6.221	3850	0.297 ng/ml
4) Aroclor 1016 (3)	6.314	3742	0.525 ng/ml
5) Aroclor 1016 (4)	6.486	4236	0.722 ng/ml
6) Aroclor 1016 (5)	6.691	2752	0.391 ng/ml
7) Aroclor 1016 (6)	6.825	3461	0.717 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.281	308980	141.870 ng/ml
10) Aroclor 1221 (2)	5.367	7606	5.157 ng/ml
11) Aroclor 1221 (3)	5.468	5966	1.231 ng/ml
12) Aroclor 1221 (4)	5.937	4021	4.603 ng/ml
13) Aroclor 1221 (5)	6.221	3850	4.100 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.468	5966	1.612 ng/ml
16) Aroclor 1232 (2)	6.221	3850	0.758 ng/ml
17) Aroclor 1232 (3)	6.314	3742	1.340 ng/ml
18) Aroclor 1232 (4)	6.486	4236	2.270 ng/ml
19) Aroclor 1232 (5)	6.691	2752	1.113 ng/ml
20) Aroclor 1232 (6)	6.825	3461	1.728 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.826	3393	0.689 ng/ml
23) Aroclor 1242 (2)	6.221	3850	0.379 ng/ml
24) Aroclor 1242 (3)	6.314	3742	0.698 ng/ml
25) Aroclor 1242 (4)	6.486	4236	1.043 ng/ml
26) Aroclor 1242 (5)	6.691	2752	0.533 ng/ml
27) Aroclor 1242 (6)	6.825	3461	0.829 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.221	3850	0.651 ng/ml
30) Aroclor 1248 (2)	6.486	4236	0.604 ng/ml
31) Aroclor 1248 (3)	6.691	2752	0.326 ng/ml
32) Aroclor 1248 (4)	6.977	2288	0.227 ng/ml
33) Aroclor 1248 (5)	7.037	7023	0.689 ng/ml
34) Aroclor 1248 (6)	7.507	4382	0.792 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.037	7023	0.691 ng/ml
37) Aroclor 1254 (2)	7.130	5863	0.475 ng/ml
38) Aroclor 1254 (3)	7.507	4382	0.243 ng/ml
39) Aroclor 1254 (4)	7.667	3861	0.298 ng/ml
40) Aroclor 1254 (5)	8.031	5170	0.402 ng/ml
41) Aroclor 1254 (6)	8.341	8110	1.909 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.618	4055	0.306 ng/ml
44) Aroclor 1260 (2)	7.750	4808	0.287 ng/ml

Data Path : K:\DATA\0E13025\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 13 May 2020 11:49 am
 Operator : MJB / KAK
 Sample : 0E13025-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 13 12:32:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.307	6991	0.560 ng/ml
46) Aroclor 1260 (4)	8.473	34829	1.237 ng/ml
47) Aroclor 1260 (5)	8.777	9424	0.498 ng/ml
48) Aroclor 1260 (6)	9.172	6271	0.781 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.750	4808	0.378 ng/ml
51) Aroclor 1262 (2)	8.083	5735	0.326 ng/ml
52) Aroclor 1262 (3)	8.307	6991	0.461 ng/ml
53) Aroclor 1262 (4)	8.473	34829	1.104 ng/ml
54) Aroclor 1262 (5)	8.777	9424	0.486 ng/ml
55) Aroclor 1262 (6)	9.172	6271	0.581 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.307	6991	0.813 ng/ml
58) Aroclor 1268 (2)	8.722	7350	0.197 ng/ml
59) Aroclor 1268 (3)	8.777	9424	0.288 ng/ml
60) Aroclor 1268 (4)	8.955	92635	3.132 ng/ml
61) Aroclor 1268 (5)	9.172	6271	0.534 ng/ml
62) Aroclor 1268 (6)	9.441	86010	1.035 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

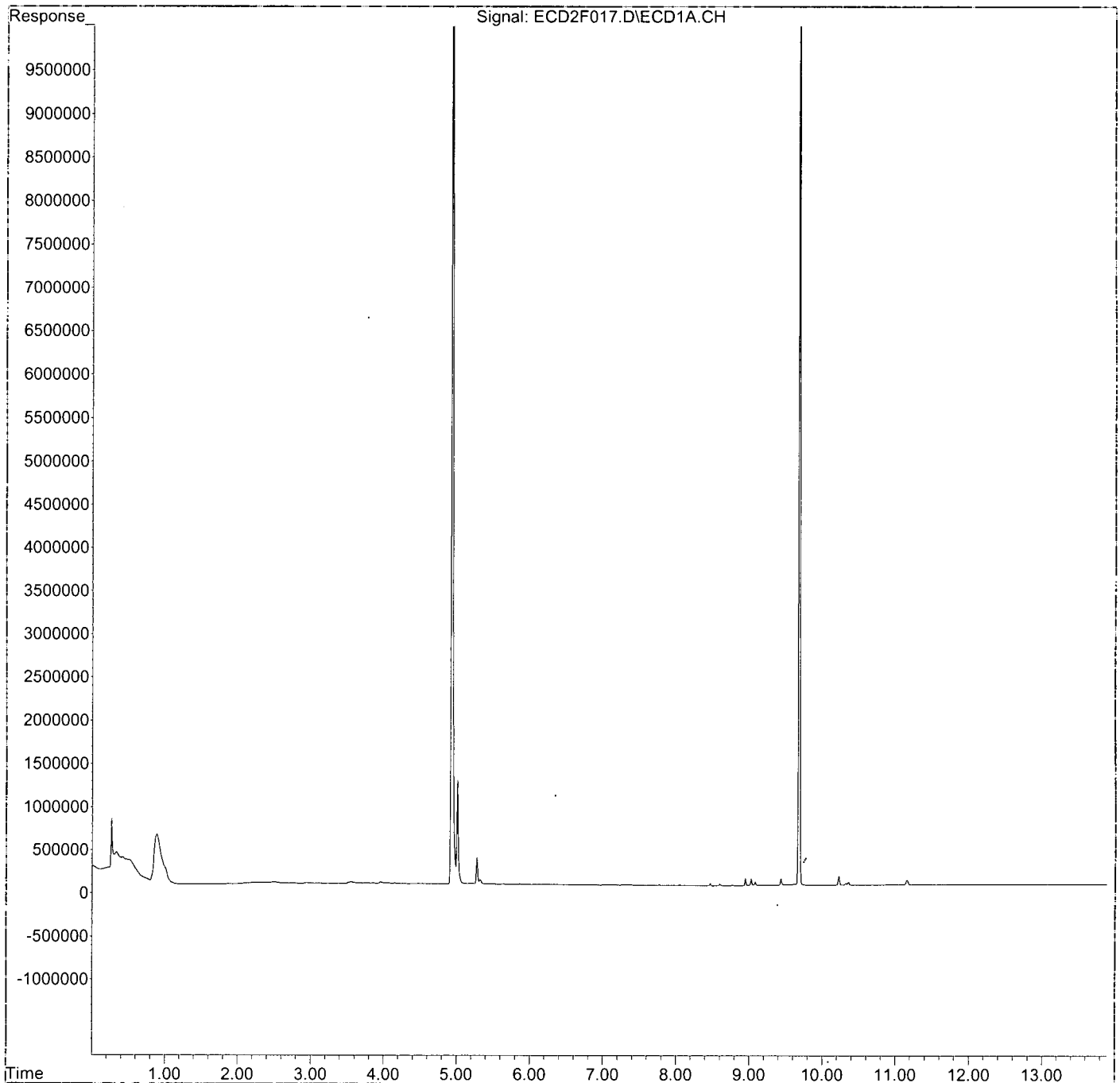
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E13025\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 13 May 2020 11:49 am
Operator : MJB / KAK
Sample : 0E13025-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 13 12:32:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT6.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Batch 0050714
Sequence 0E20061 (A0D0763-11RE1)



Apex Laboratories
PREPARATION BENCH SHEET


JUN 11 2020

BATCH #: 0050714 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	0050714-BLK1	QC	05/20/20 07:06	31	2				100					
	0050714-BS1	QC	05/20/20 07:06	30	2	A20E044		100	100					
	A0D0763-11RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.36	2				100	PDI-061SC-B-06-08-200428	Low Surrogate. Added 5/19/2020 By KAK			
	0050714-DUP1	QC	05/20/20 07:06	30.33	2		A0D0763-11RE1		100					
	A0E0004-02RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.04	2				100	PDI-068SC-A-11-12.3-200430	Low Surrogate. Added 5/19/2020 By KAK			
	A0E0004-04RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.2	5				100	PDI-068SC-B-02-05-200430	Low Surrogate. Added 5/19/2020 By KAK			
	A0E0004-05RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.19	5				100	PDI-068SC-B-05-07-200430	Low Surrogate. Added 5/19/2020 By KAK			
	A0E0004-09RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.66	5				100	PDI-072SC-A-08-09-200430	Low Surrogate. Added 5/19/2020 By KAK			
	A0E0004-11RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.44	2				100	PDI-072SC-B-00-02-200430	Low Surrogate. Added 5/19/2020 By KAK			
	A0E0004-14RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.21	5				100	PDI-072SC-B-06-08-200430	Low Surrogate. Added 5/19/2020 By KAK			
	A0E0268-07	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.72	2				100	PDI-050SC-A-06-07-200508	+1262,1268			
	A0E0268-08	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.39	5				100	PDI-050SC-B-00-02-200508	+1262,1268			
	A0E0268-09	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.51	2				100	PDI-050SC-B-02-05-200508	+1262,1268			
	A0E0268-10	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.24	2				100	PDI-050SC-B-05-07-200508	+1262,1268			
	A0E0268-14	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.25	2				100	PDI-093SC-B-00-02-200508	+1262,1268			
	A0E0268-15	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.89	2				100	PDI-093SC-B-02-05-200508	+1262,1268			
	A0E0268-16	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.43	2				100	PDI-093SC-B-05-6.6-200508	+1262,1268			
	A0E0276-01	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.27	5				100	PDI-085SC-B-00-02-200508	+1262,1268			
	A0E0276-02	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.25	2				100	PDI-085SC-B-02-05-200508	+1262,1268			

Prepared By: _____ Date _____


 Reviewed By: _____ Date 6/9/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: **0050714 (Sediment)**

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-11	>11
	A0E0276-03	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.5	2				100	PDI-085SC-B-05-07-200508	+1262,1268			
	A0E0280-01	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.51	5				100	PDI-087SC-B-00-02-200509	+1262,1268			
	A0E0280-02	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.51	2				100	PDI-087SC-B-02-05-200509	+1262,1268			
	A0E0281-02	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:07	30.15	2				100	PDI-053SC-A-08-09-200510	MS/MSD, +1262,1268			
	0050714-MSI	QC	05/20/20 07:06	30.46	2	A20E044	A0E0281-02	100	100					
	0050714-MSDI	QC	05/20/20 07:06	30.07	2	A20E044	A0E0281-02	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A19I211	05/07/22	Copper, Granular Lot# J260003
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20D177	10/10/22	Sodium Sulfate Lot # 195510
A20E020	10/31/22	DCM CHEM PROD. 197898
A20E249	11/17/20	Copper, Granular Lot# R141001

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E044	11/06/20	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20E178	10/30/20	8082 PCB Surrogate Spike

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050714 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	Other	>11	
7/2	0050714-BLK1	QC	05/20/20 07:06	30.31	2				100						
3/4	0050714-BS1	QC	05/20/20 07:06	30	2	A20E218		100	100						
5/6	A0D0763-11RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.36	2				100	PDI-061SC-B-06-08-200428	Low Surrogate. Added 5/19/2020 By KAK mud				
4/8	0050714-DUPI	QC	05/20/20 07:06	30.33	2		A0D0763-11RE1		100		mud				
9/10	A0E0004-02RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.04	2				100	PDI-068SC-A-11-12.3-200430	Low Surrogate. Added 5/19/2020 By KAK mud				
11/12	A0E0004-04RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.20	2				100	PDI-068SC-B-02-05-200430	Low Surrogate. Added 5/19/2020 By KAK mud				
14	A0E0004-05RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.19	2				100	PDI-068SC-B-05-07-200430	Low Surrogate. Added 5/19/2020 By KAK mud				
5/16	A0E0004-09RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.66	2				100	PDI-072SC-A-08-09-200430	Low Surrogate. Added 5/19/2020 By KAK mud				
7/19	A0E0004-11RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.44	2				100	PDI-072SC-B-00-02-200430	Low Surrogate. Added 5/19/2020 By KAK mud				
19/20	A0E0004-14RE1	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.21	2				100	PDI-072SC-B-06-08-200430	Low Surrogate. Added 5/19/2020 By KAK mud, odor				
24	A0E0268-07	A 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.72	2				100	PDI-050SC-A-06-07-200508	+1262,1268 mud				
23/24	A0E0268-08	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.39	2				100	PDI-050SC-B-00-02-200508	+1262,1268 mud				
25/26	A0E0268-09	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.51	2				100	PDI-050SC-B-02-05-200508	+1262,1268 mud				
27/28	A0E0268-10	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.24	2				100	PDI-050SC-B-05-07-200508	+1262,1268 mud				
29/30	A0E0268-14	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.25	2				100	PDI-093SC-B-00-02-200508	+1262,1268 mud				
31/32	A0E0268-15	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.84	2				100	PDI-093SC-B-02-05-200508	+1262,1268 mud, clay				
33/34	A0E0268-16	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.43	2				100	PDI-093SC-B-05-6.6-200508	+1262,1268 mud				
35/36	A0E0276-01	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.27	2				100	PDI-085SC-B-00-02-200508	+1262,1268 mud, odor				
37/38	A0E0276-02	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30.25	2				100	PDI-085SC-B-02-05-200508	+1262,1268 mud				

Prepared By: CAH Date: 5/20/20

Reviewed By: CAS Date: 05/20/2020

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050714 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-8	>11
10/14	A0E0276-03	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30 30.50	2 ✓				100	PDI-085SC-B-05-07-200508	+1262,1268 mud (S)			
11/42	A0E0280-01	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30 30.51	5 ✓				100	PDI-087SC-B-00-02-200509	+1262,1268 mud (S) P C			
13/119	A0E0280-02	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:06	30 30.51	2 ✓				100	PDI-087SC-B-02-05-200509	+1262,1268 mud (S) C			
15/146	A0E0281-02	B 8082 PCBs - Low Level (30g/2mL)	05/20/20 07:07	30 30.15	2 ✓				100	PDI-053SC-A-08-09-200510	MS/MSD, +1262,1268 mud (S)			
47/18	0050714-MS1	QC	05/20/20 07:06	30 30.46	2 ✓	A20E218	A0E0281-02	100	100		mud (S)			
47/50	0050714-MSD1	QC	05/20/20 07:06	30 30.07	2 ✓	A20E218	A0E0281-02	100	100		mud (S)			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A19I211	05/07/22	Copper, Granular Lot# J260003 +
A20A032	06/30/23	n-Hexane Lot# 197051
A20A327	07/22/20	Florisil Lot 919270-CP
A20B017	08/01/20	Glass Wool
A20C055	08/31/20	Sulfuric Acid
A20D177	10/10/22	Sodium Sulfate Lot # 195510
A20E020	10/31/22	DCM CHEM PROD. 197898

A20E249
5/29/20

Analyte Spike(s)

Std ID	Exp. Date	Description
A20E218	11/06/20	8082 PCB Matrix Spike
A20E044		

CA4
05/20/20

Surrogate(s)

Std ID	Exp. Date	Description
A20D453	09/20/20	8082 PCB Surrogate Spike
A20E178		

CA4
5/20/20

Method 3546 digestion time and temperature achieved.
Initial: ~~AS~~

Witness: AS 5-20-20

(S) = Staining on turbovap tube before and after solvent exchange. AS 5/29/20

P = precipitate formed during solvent exchange. AS 5/29/20

C = Added more copper to extracts for clean-up AS 5/29/20

Prepared By: AS Date: 5-20-20

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E20061**

Instrument: **DUALECD2F**

Date: **05/20/20 14:18**

Calibration: **A0D2707**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E20061-CCV1	Sediment	QC	QC				A20E179
2	0E20061-CCB1	Sediment	QC	QC				A20E115
3	0050714-BLK1	Sediment	QC	QC		0050714		
4	0050714-BS1	Sediment	QC	QC		0050714		
5	A0D0763-11RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/12/20	0050714		
6	0E20061-IBL1	Sediment	QC	QC				
7	0050714-DUP1	Sediment	QC	QC		0050714		
8	0E20061-IBL2	Sediment	QC	QC				
9	A0E0004-02RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/13/20	0050714		
10	0E20061-IBL3	Sediment	QC	QC				
11	A0E0004-04RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/13/20	0050714		
12	0E20061-IBL4	Sediment	QC	QC				
13	A0E0004-05RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	05/13/20	0050714		
14	0E20061-IBL5	Sediment	QC	QC				
15	0E20061-CCV2	Sediment	QC	QC				A20E179
16	0E20061-CCB2	Sediment	QC	QC				A20E115

Data Entered By: *[Signature]* 5/21/20

Comments: *Partial*

Data Reviewed By: *[Signature]* 5/21/20

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.

0E20061-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	442.96
1016 (2)	467.75
1016 (3)	452.20
1016 (4)	435.79
1016 (5)	452.94
1016 (6)	453.42
Average:	450.84

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	455.44
1260 (2)	443.86
1260 (3)	435.88
1260 (4)	436.58
1260 (5)	447.90
1260 (6)	420.59
Average:	440.04

0050714-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	852.16
1016 (2)	963.59
1016 (3)	889.15
1016 (4)	906.20
1016 (5)	912.07
1016 (6)	899.28
Average:	903.74

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	999.79
1260 (2)	1,019.38
1260 (3)	977.96
1260 (4)	1,121.36
1260 (5)	1,007.70
1260 (6)	1,008.36
Average:	1,022.43

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.

0E20061-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	448.00
1016 (2)	486.54
1016 (3)	476.04
1016 (4)	443.75
1016 (5)	444.62
1016 (6)	444.17
<hr/>	
Average:	457.19

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	428.38
1260 (2)	438.15
1260 (3)	420.98
1260 (4)	469.85
1260 (5)	434.07
1260 (6)	405.32
<hr/>	
Average:	432.79

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.

0E20061-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	448.00
1016 (2)	486.54
1016 (3)	476.04
1016 (4)	443.75
1016 (5)	444.62
1016 (6)	444.17
Average:	457.19

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	428.38
1260 (2)	438.15
1260 (3)	420.98
1260 (4)	469.85
1260 (5)	434.07
1260 (6)	405.32
Average:	432.79

0050527-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	898.90
1016 (2)	968.44
1016 (3)	921.51
1016 (4)	906.43
1016 (5)	918.72
1016 (6)	933.62
Average:	924.60

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	955.98
1260 (2)	988.59
1260 (3)	980.45
1260 (4)	1,082.59
1260 (5)	1,001.61
1260 (6)	961.78
Average:	995.17

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.

0E20061-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	470.51
1016 (2)	494.40
1016 (3)	476.63
1016 (4)	459.98
1016 (5)	475.96
1016 (6)	483.85
Average:	476.89

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	475.11
1260 (2)	481.14
1260 (3)	494.81
1260 (4)	500.55
1260 (5)	485.23
1260 (6)	478.25
Average:	485.85

Data Path : K:\DATA\0E20061\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 2:40 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:41:59 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 5/21/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.774	40602307	219.223	ng/ml
64) S DCBP (S)	9.536	38165883	214.203	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.696	2896572	442.959	ng/ml
3) Aroclor 1016 (2)	6.109	6059438	467.745	ng/ml
4) Aroclor 1016 (3)	6.190	3225140	452.198	ng/ml
5) Aroclor 1016 (4)	6.349	2557203	435.791	ng/ml
6) Aroclor 1016 (5)	6.570	3187897	452.942	ng/ml
7) Aroclor 1016 (6)	6.696	2187497	453.422	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.130	948635	435.571	ng/ml
10) Aroclor 1221 (2)	5.253	343592	232.954	ng/ml
11) Aroclor 1221 (3)	5.334	1626350	335.539	ng/ml
12) Aroclor 1221 (4)	5.805	322071	368.738	ng/ml
13) Aroclor 1221 (5)	6.109	6059438	6453.364	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	5.334	1626350	439.388	ng/ml
16) Aroclor 1232 (2)	6.109	6059438	1193.250	ng/ml
17) Aroclor 1232 (3)	6.190	3225140	1154.691	ng/ml
18) Aroclor 1232 (4)	6.349	2557203	1370.041	ng/ml
19) Aroclor 1232 (5)	6.570	3187897	1289.523	ng/ml
20) Aroclor 1232 (6)	6.696	2187497	1092.039	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	5.696	2896572	587.894	ng/ml
23) Aroclor 1242 (2)	6.109	6059438	596.132	ng/ml
24) Aroclor 1242 (3)	6.190	3225140	601.708	ng/ml
25) Aroclor 1242 (4)	6.349	2557203	629.625	ng/ml
26) Aroclor 1242 (5)	6.570	3187897	617.770	ng/ml
27) Aroclor 1242 (6)	6.696	2187497	523.869	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.109	6059438	1023.837	ng/ml
30) Aroclor 1248 (2)	6.349	2557203	364.526	ng/ml
31) Aroclor 1248 (3)	6.570	3187897	377.218	ng/ml
32) Aroclor 1248 (4)	6.864	600477	59.691	ng/ml
33) Aroclor 1248 (5)	6.898	2142056	210.263	ng/ml
34) Aroclor 1248 (6)	7.386	4288874	775.310	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	6.898	2142056	210.883	ng/ml
37) Aroclor 1254 (2)	7.008	2208018	179.049	ng/ml
38) Aroclor 1254 (3)	7.386	4288874	237.713	ng/ml
39) Aroclor 1254 (4)	7.544	643310	49.724	ng/ml
40) Aroclor 1254 (5)	7.925	5580180	433.482	ng/ml
41) Aroclor 1254 (6)	8.218	600951	141.495	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	7.498	6040219	455.441	ng/ml
44) Aroclor 1260 (2)	7.631	7437374	443.862	ng/ml

Data Path : K:\DATA\0E20061\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 2:40 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:41:59 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.187	5446575	435.876 ng/ml
46)	Aroclor 1260 (4)	8.358	12288701	436.578 ng/ml
47)	Aroclor 1260 (5)	8.657	8482042	447.903 ng/ml
48)	Aroclor 1260 (6)	9.046	3377469	420.591 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.631	7437374	584.062 ng/ml
51)	Aroclor 1262 (2)	7.956	5567573	316.938 ng/ml
52)	Aroclor 1262 (3)	8.187	5446575	358.796 ng/ml
53)	Aroclor 1262 (4)	8.358	12288701	389.559 ng/ml
54)	Aroclor 1262 (5)	8.657	8482042	437.298 ng/ml
55)	Aroclor 1262 (6)	9.046	3377469	312.660 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.187	5446575	633.383 ng/ml
58)	Aroclor 1268 (2)	8.605	2726040	73.236 ng/ml
59)	Aroclor 1268 (3)	8.657	8482042	259.048 ng/ml
60)	Aroclor 1268 (4)	8.830	225544	7.626 ng/ml
61)	Aroclor 1268 (5)	9.046	3377469	287.609 ng/ml
62)	Aroclor 1268 (6)	9.301	752457	9.053 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

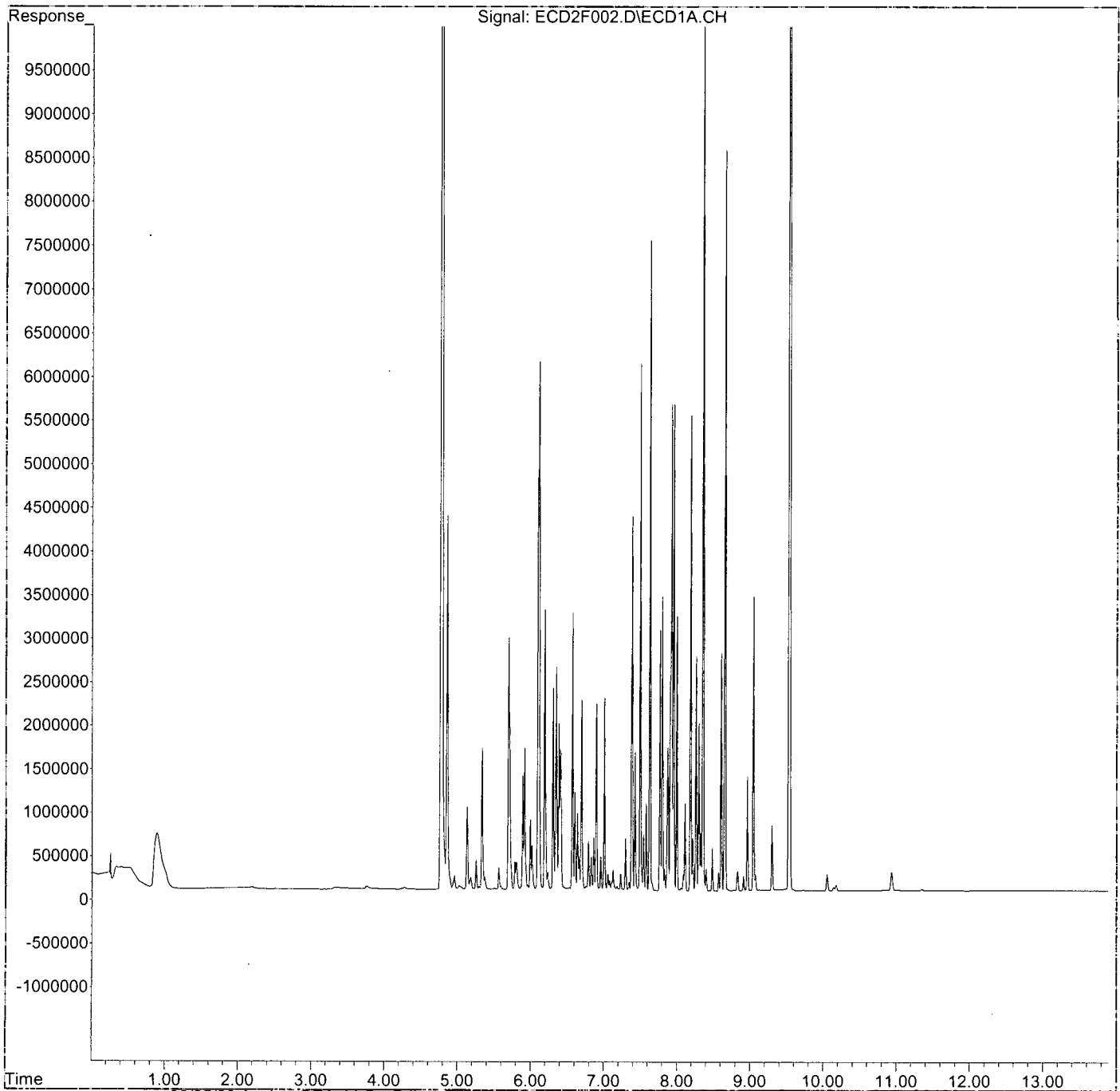
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 2:40 pm
Operator : MJB / KAK
Sample : 0E20061-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:41:59 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E20061\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 2:57 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:42:21 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 9/21/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.773	16565281	89.441 ng/ml
64) S DCBP (S)	9.535	15924903	89.377 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.687	9125	1.395 ng/ml
3) Aroclor 1016 (2)	6.121	19205	1.482 ng/ml
4) Aroclor 1016 (3)	6.203	15670	2.197 ng/ml
5) Aroclor 1016 (4)	6.346	15179	2.587 ng/ml
6) Aroclor 1016 (5)	6.575	17303	2.458 ng/ml
7) Aroclor 1016 (6)	6.700	17407	3.608 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.128	346719	159.198 ng/ml
10) Aroclor 1221 (2)	5.260	4813	3.263 ng/ml
11) Aroclor 1221 (3)	5.325	14328	2.956 ng/ml
12) Aroclor 1221 (4)	5.816	8620	9.869 ng/ml
13) Aroclor 1221 (5)	6.121	19205	20.453 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.325	14328	3.871 ng/ml
16) Aroclor 1232 (2)	6.121	19205	3.782 ng/ml
17) Aroclor 1232 (3)	6.203	15670	5.610 ng/ml
18) Aroclor 1232 (4)	6.346	15179	8.132 ng/ml
19) Aroclor 1232 (5)	6.575	17303	6.999 ng/ml
20) Aroclor 1232 (6)	6.700	17407	8.690 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.687	9125	1.852 ng/ml
23) Aroclor 1242 (2)	6.121	19205	1.889 ng/ml
24) Aroclor 1242 (3)	6.203	15670	2.923 ng/ml
25) Aroclor 1242 (4)	6.346	15179	3.737 ng/ml
26) Aroclor 1242 (5)	6.575	17303	3.353 ng/ml
27) Aroclor 1242 (6)	6.700	17407	4.169 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.121	19205	3.245 ng/ml
30) Aroclor 1248 (2)	6.346	15179	2.164 ng/ml
31) Aroclor 1248 (3)	6.575	17303	2.047 ng/ml
32) Aroclor 1248 (4)	6.881	24754	2.461 ng/ml
33) Aroclor 1248 (5)	6.881	24754	2.430 ng/ml
34) Aroclor 1248 (6)	7.382	11403	2.061 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.881	24754	2.437 ng/ml
37) Aroclor 1254 (2)	7.006	19219	1.558 ng/ml
38) Aroclor 1254 (3)	7.382	11403	0.632 ng/ml
39) Aroclor 1254 (4)	7.543	8210	0.635 ng/ml
40) Aroclor 1254 (5)	7.932	7458	0.579 ng/ml
41) Aroclor 1254 (6)	8.228	1819	0.428 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.501	8905	0.671 ng/ml
44) Aroclor 1260 (2)	7.632	8195	0.489 ng/ml

Data Path : K:\DATA\0E20061\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 2:57 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:42:21 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.185	2733	0.219 ng/ml
46)	Aroclor 1260 (4)	8.352	13212	0.469 ng/ml
47)	Aroclor 1260 (5)	8.655	4431	0.234 ng/ml
48)	Aroclor 1260 (6)	9.048	8202	1.021 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.632	8195	0.644 ng/ml
51)	Aroclor 1262 (2)	7.953	3210	0.183 ng/ml
52)	Aroclor 1262 (3)	8.185	2733	0.180 ng/ml
53)	Aroclor 1262 (4)	8.352	13212	0.419 ng/ml
54)	Aroclor 1262 (5)	8.655	4431	0.228 ng/ml
55)	Aroclor 1262 (6)	9.048	8202	0.759 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.185	2733	0.318 ng/ml
58)	Aroclor 1268 (2)	8.604	1561	0.042 ng/ml
59)	Aroclor 1268 (3)	8.655	4431	0.135 ng/ml
60)	Aroclor 1268 (4)	8.834	30819	1.042 ng/ml
61)	Aroclor 1268 (5)	9.048	8202	0.698 ng/ml
62)	Aroclor 1268 (6)	9.300	27153	0.327 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

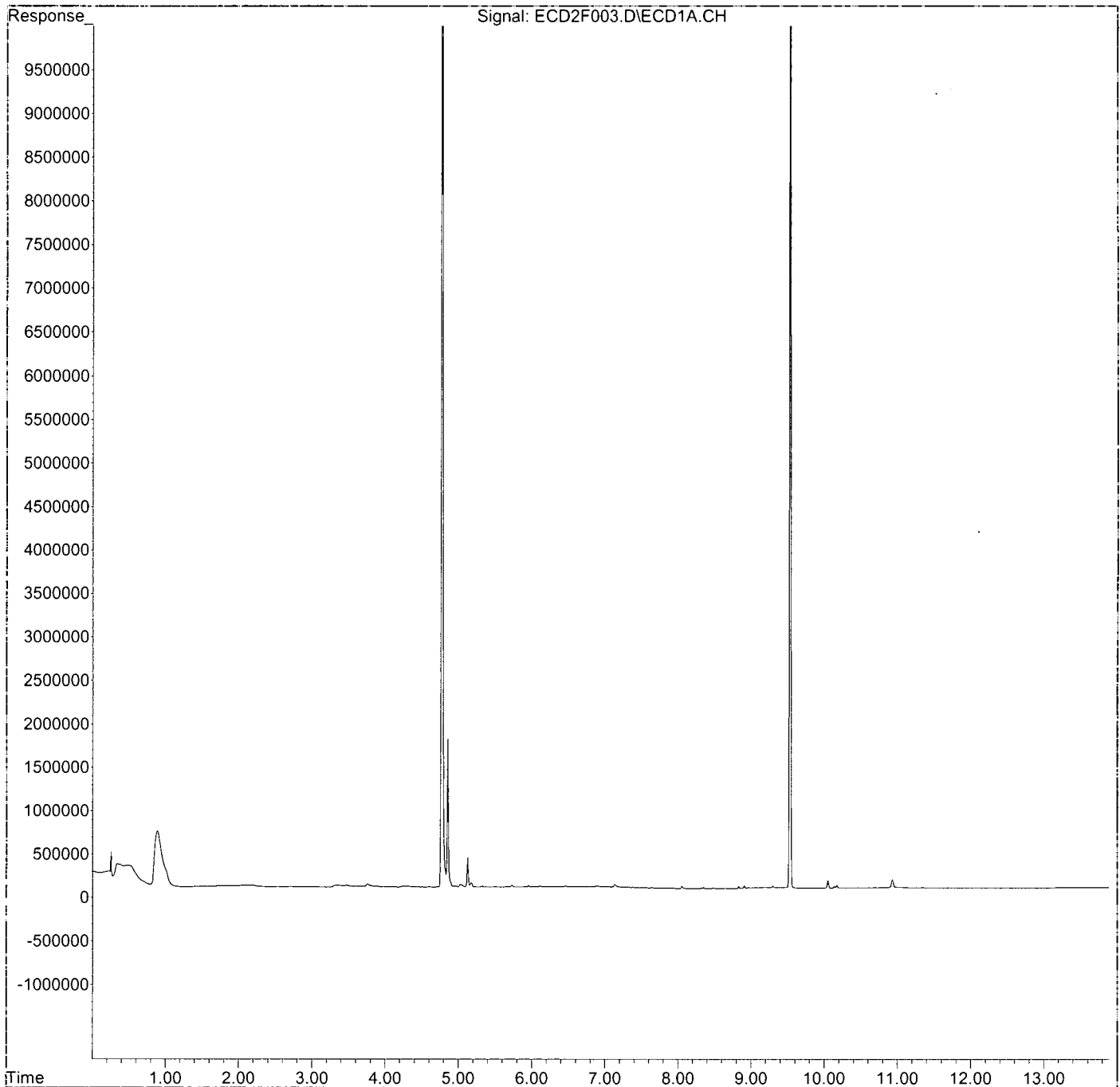
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 2:57 pm
Operator : MJB / KAK
Sample : 0E20061-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:42:21 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E20061\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 3:54 pm
 Operator : MJB / KAK
 Sample : 0050714-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:42:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 5/21/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.780	35633995	192.398 ng/ml
64) S DCBP (S)	9.543	36022727	202.174 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.704	3805	0.582 ng/ml
3) Aroclor 1016 (2)	6.115	9895	0.764 ng/ml
4) Aroclor 1016 (3)	6.179	7062	0.990 ng/ml
5) Aroclor 1016 (4)	6.353	8684	1.480 ng/ml
6) Aroclor 1016 (5)	6.574	9934	1.412 ng/ml
7) Aroclor 1016 (6)	6.701	11627	2.410 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.135	660159	303.116 ng/ml
10) Aroclor 1221 (2)	5.225	12842	8.707 ng/ml
11) Aroclor 1221 (3)	5.328	20191	4.166 ng/ml
12) Aroclor 1221 (4)	5.797	2894	3.314 ng/ml
13) Aroclor 1221 (5)	6.115	9895	10.538 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.328	20191	5.455 ng/ml
16) Aroclor 1232 (2)	6.115	9895	1.949 ng/ml
17) Aroclor 1232 (3)	6.179	7062	2.528 ng/ml
18) Aroclor 1232 (4)	6.353	8684	4.653 ng/ml
19) Aroclor 1232 (5)	6.574	9934	4.019 ng/ml
20) Aroclor 1232 (6)	6.701	11627	5.804 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.704	3805	0.772 ng/ml
23) Aroclor 1242 (2)	6.115	9895	0.973 ng/ml
24) Aroclor 1242 (3)	6.179	7062	1.318 ng/ml
25) Aroclor 1242 (4)	6.353	8684	2.138 ng/ml
26) Aroclor 1242 (5)	6.574	9934	1.925 ng/ml
27) Aroclor 1242 (6)	6.701	11627	2.784 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.115	9895	1.672 ng/ml
30) Aroclor 1248 (2)	6.353	8684	1.238 ng/ml
31) Aroclor 1248 (3)	6.574	9934	1.176 ng/ml
32) Aroclor 1248 (4)	6.887	47155	4.688 ng/ml
33) Aroclor 1248 (5)	6.887	47155	4.629 ng/ml
34) Aroclor 1248 (6)	7.391	10569	1.911 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.887	47155	4.642 ng/ml
37) Aroclor 1254 (2)	7.014	19635	1.592 ng/ml
38) Aroclor 1254 (3)	7.391	10569	0.586 ng/ml
39) Aroclor 1254 (4)	7.549	6054	0.468 ng/ml
40) Aroclor 1254 (5)	7.941	11707	0.909 ng/ml
41) Aroclor 1254 (6)	8.227	1034	0.244 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.504	7682	0.579 ng/ml
44) Aroclor 1260 (2)	7.635	5703	0.340 ng/ml

Data Path : K:\DATA\0E20061\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 3:54 pm
 Operator : MJB / KAK
 Sample : 0050714-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:42:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.191	2855	0.228 ng/ml
46)	Aroclor 1260 (4)	8.358	14615	0.519 ng/ml
47)	Aroclor 1260 (5)	8.661	7160	0.378 ng/ml
48)	Aroclor 1260 (6)	9.051	4407	0.549 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.635	5703	0.448 ng/ml
51)	Aroclor 1262 (2)	7.941	11707	0.666 ng/ml
52)	Aroclor 1262 (3)	8.191	2855	0.188 ng/ml
53)	Aroclor 1262 (4)	8.358	14615	0.463 ng/ml
54)	Aroclor 1262 (5)	8.661	7160	0.369 ng/ml
55)	Aroclor 1262 (6)	9.051	4407	0.408 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.191	2855	0.332 ng/ml
58)	Aroclor 1268 (2)	8.610	5742	0.154 ng/ml
59)	Aroclor 1268 (3)	8.661	7160	0.219 ng/ml
60)	Aroclor 1268 (4)	8.841	501137	16.945 ng/ml
61)	Aroclor 1268 (5)	9.051	4407	0.375 ng/ml
62)	Aroclor 1268 (6)	9.308	1188142	14.294 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

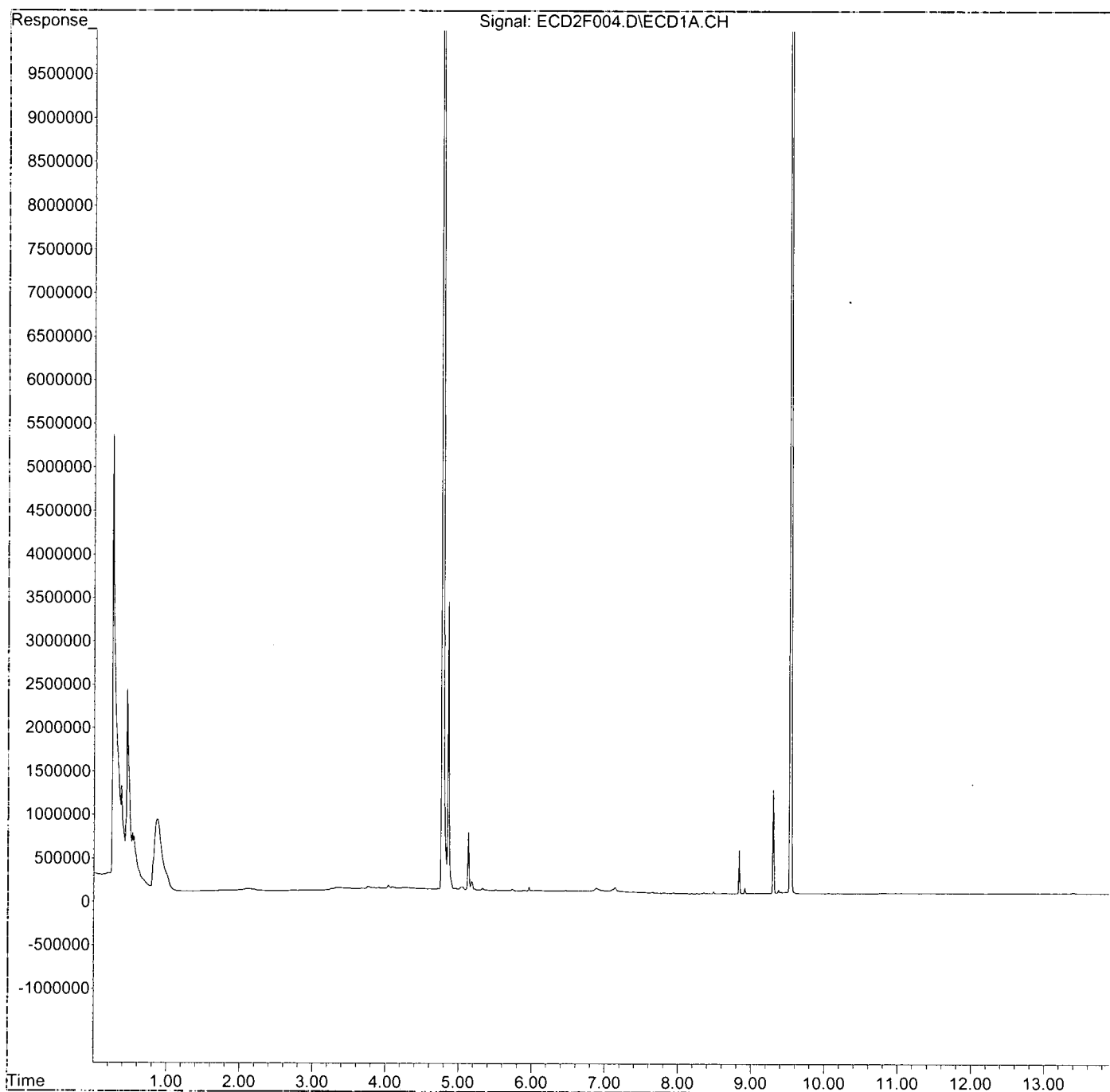
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 3:54 pm
 Operator : MJB / KAK
 Sample : 0050714-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:42:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E20061\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 4:12 pm
 Operator : MJB / KAK
 Sample : 0050714-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:43:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 5/21/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.775	39091724	211.067 ng/ml
64) S DCBP (S)	9.536	40636953	228.071 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.695	5572376	852.157 ng/ml
3) Aroclor 1016 (2)	6.109	12482934	963.593 ng/ml
4) Aroclor 1016 (3)	6.189	6341557	889.152 ng/ml
5) Aroclor 1016 (4)	6.349	5317526	906.197 ng/ml
6) Aroclor 1016 (5)	6.569	6419346	912.071 ng/ml
7) Aroclor 1016 (6)	6.696	4338490	899.278 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.132	1169493	536.979 ng/ml
10) Aroclor 1221 (2)	5.253	614278	416.478 ng/ml
11) Aroclor 1221 (3)	5.334	3034468	626.055 ng/ml
12) Aroclor 1221 (4)	5.803	573002	656.030 ng/ml
13) Aroclor 1221 (5)	6.109	12482934	13294.452 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.334	3034468	819.817 ng/ml
16) Aroclor 1232 (2)	6.109	12482934	2458.191 ng/ml
17) Aroclor 1232 (3)	6.189	6341557	2270.457 ng/ml
18) Aroclor 1232 (4)	6.349	5317526	2848.905 ng/ml
19) Aroclor 1232 (5)	6.569	6419346	2596.663 ng/ml
20) Aroclor 1232 (6)	6.696	4338490	2165.855 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.695	5572376	1130.981 ng/ml
23) Aroclor 1242 (2)	6.109	12482934	1228.080 ng/ml
24) Aroclor 1242 (3)	6.189	6341557	1183.132 ng/ml
25) Aroclor 1242 (4)	6.349	5317526	1309.261 ng/ml
26) Aroclor 1242 (5)	6.569	6419346	1243.980 ng/ml
27) Aroclor 1242 (6)	6.696	4338490	1038.996 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.109	12482934	2109.187 ng/ml
30) Aroclor 1248 (2)	6.349	5317526	758.006 ng/ml
31) Aroclor 1248 (3)	6.569	6419346	759.590 ng/ml
32) Aroclor 1248 (4)	6.863	1261041	125.355 ng/ml
33) Aroclor 1248 (5)	6.898	4342413	426.249 ng/ml
34) Aroclor 1248 (6)	7.386	9033841	1633.069 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.898	4342413	427.505 ng/ml
37) Aroclor 1254 (2)	7.007	4640942	376.337 ng/ml
38) Aroclor 1254 (3)	7.386	9033841	500.704 ng/ml
39) Aroclor 1254 (4)	7.544	1391160	107.529 ng/ml
40) Aroclor 1254 (5)	7.925	12869656	999.746 ng/ml
41) Aroclor 1254 (6)	8.217	1268909	298.767 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.498	13259594	999.792 ng/ml
44) Aroclor 1260 (2)	7.631	17080749	1019.377 ng/ml

Data Path : K:\DATA\0E20061\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 4:12 pm
 Operator : MJB / KAK
 Sample : 0050714-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:43:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	8.188	12220294	977.959	ng/ml
46)	Aroclor 1260 (4)	8.358	31563701	1121.357	ng/ml
47)	Aroclor 1260 (5)	8.657	19083097	1007.703	ng/ml
48)	Aroclor 1260 (6)	9.046	8097409	1008.357	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.631	17080749	1341.364	ng/ml
51)	Aroclor 1262 (2)	7.955	12464481	709.549	ng/ml
52)	Aroclor 1262 (3)	8.188	12220294	805.019	ng/ml
53)	Aroclor 1262 (4)	8.358	31563701	1000.588	ng/ml
54)	Aroclor 1262 (5)	8.657	19083097	983.842	ng/ml
55)	Aroclor 1262 (6)	9.046	8097409	749.595	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.188	12220294	1421.099	ng/ml
58)	Aroclor 1268 (2)	8.605	6994200	187.901	ng/ml
59)	Aroclor 1268 (3)	8.657	19083097	582.813	ng/ml
60)	Aroclor 1268 (4)	8.833	922999	31.210	ng/ml
61)	Aroclor 1268 (5)	9.046	8097409	689.536	ng/ml
62)	Aroclor 1268 (6)	9.301	3032890	36.487	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

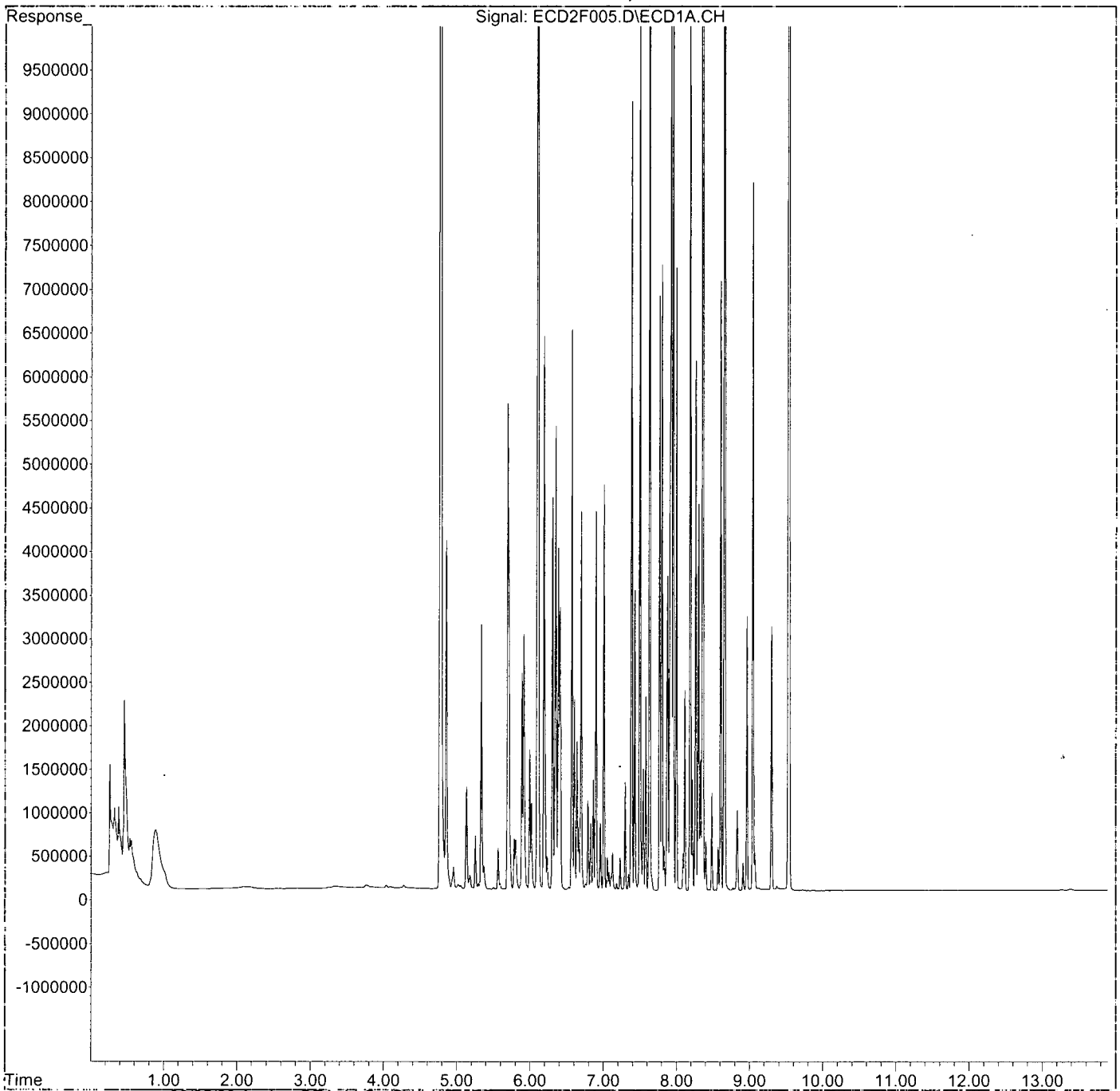
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 4:12 pm
Operator : MJB / KAK
Sample : 0050714-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:43:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E20061\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 4:29 pm
 Operator : MJB / KAK
 Sample : A0D0763-11RE1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:43:20 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 5/21/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.774	29123379	157.245 ng/ml
64) S DCBP (S)	9.534	26596245	149.269 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.696	9951	1.522 ng/ml
3) Aroclor 1016 (2)	6.110	21350	1.648 ng/ml
4) Aroclor 1016 (3)	6.191	12425	1.742 ng/ml
5) Aroclor 1016 (4)	6.354	12659	2.157 ng/ml
6) Aroclor 1016 (5)	6.568	13692	1.945 ng/ml
7) Aroclor 1016 (6)	6.694	15530	3.219 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.128	570687	262.034 ng/ml
10) Aroclor 1221 (2)	5.277	8917	6.046 ng/ml
11) Aroclor 1221 (3)	5.323	23625	4.874 ng/ml
12) Aroclor 1221 (4)	5.817	8482	9.710 ng/ml
13) Aroclor 1221 (5)	6.110	21350	22.738 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.323	23625	6.383 ng/ml
16) Aroclor 1232 (2)	6.110	21350	4.204 ng/ml
17) Aroclor 1232 (3)	6.191	12425	4.448 ng/ml
18) Aroclor 1232 (4)	6.354	12659	6.782 ng/ml
19) Aroclor 1232 (5)	6.568	13692	5.538 ng/ml
20) Aroclor 1232 (6)	6.694	15530	7.753 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.696	9951	2.020 ng/ml
23) Aroclor 1242 (2)	6.110	21350	2.100 ng/ml
24) Aroclor 1242 (3)	6.191	12425	2.318 ng/ml
25) Aroclor 1242 (4)	6.354	12659	3.117 ng/ml
26) Aroclor 1242 (5)	6.568	13692	2.653 ng/ml
27) Aroclor 1242 (6)	6.694	15530	3.719 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.110	21350	3.607 ng/ml
30) Aroclor 1248 (2)	6.354	12659	1.804 ng/ml
31) Aroclor 1248 (3)	6.568	13692	1.620 ng/ml
32) Aroclor 1248 (4)	6.886	21447	2.132 ng/ml
33) Aroclor 1248 (5)	6.899	22168	2.176 ng/ml
34) Aroclor 1248 (6)	7.386	18916	3.420 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.899	22168	2.182 ng/ml
37) Aroclor 1254 (2)	7.010	20869	1.692 ng/ml
38) Aroclor 1254 (3)	7.386	18916	1.048 ng/ml
39) Aroclor 1254 (4)	7.544	16630	1.285 ng/ml
40) Aroclor 1254 (5)	7.931	16804	1.305 ng/ml
41) Aroclor 1254 (6)	8.214	4774	1.124 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.500	17290	1.304 ng/ml
44) Aroclor 1260 (2)	7.631	20995	1.253 ng/ml

N.P.M.

Data Path : K:\DATA\0E20061\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 4:29 pm
 Operator : MJB / KAK
 Sample : A0D0763-11RE1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:43:20 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.187	9483	0.759 ng/ml
46) Aroclor 1260 (4)	8.354	25116	0.892 ng/ml
47) Aroclor 1260 (5)	8.655	16347	0.863 ng/ml
48) Aroclor 1260 (6)	9.045	10236	1.275 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.631	20995	1.649 ng/ml
51) Aroclor 1262 (2)	7.954	11396	0.649 ng/ml
52) Aroclor 1262 (3)	8.187	9483	0.625 ng/ml
53) Aroclor 1262 (4)	8.354	25116	0.796 ng/ml
54) Aroclor 1262 (5)	8.655	16347	0.843 ng/ml
55) Aroclor 1262 (6)	9.045	10236	0.948 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.187	9483	1.103 ng/ml
58) Aroclor 1268 (2)	8.605	9705	0.261 ng/ml
59) Aroclor 1268 (3)	8.655	16347	0.499 ng/ml
60) Aroclor 1268 (4)	8.834	424359	14.349 ng/ml
61) Aroclor 1268 (5)	9.045	10236	0.872 ng/ml
62) Aroclor 1268 (6)	9.300	996568	11.989 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

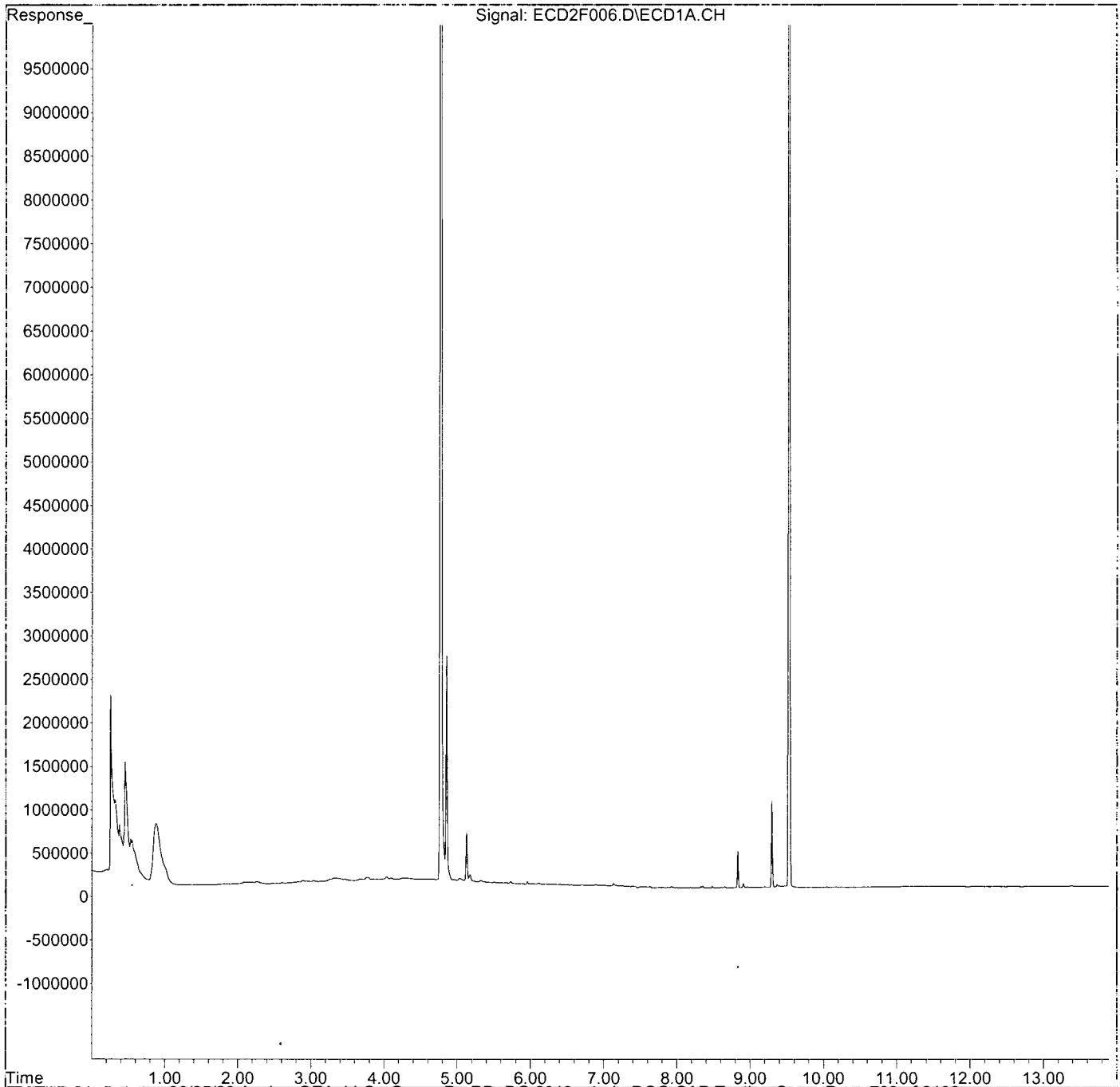
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 4:29 pm
Operator : MJB / KAK
Sample : A0D0763-11RE1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:43:20 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E20061\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 5:05 pm
 Operator : MJB / KAK
 Sample : 0050714-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:44:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 5/21/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.774	28436816	153.539 ng/ml
64) S DCBP (S)	9.533	26764831	150.215 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.696	12172	1.861 ng/ml
3) Aroclor 1016 (2)	6.107	19993	1.543 ng/ml
4) Aroclor 1016 (3)	6.188	17140	2.403 ng/ml
5) Aroclor 1016 (4)	6.355	18627	3.174 ng/ml
6) Aroclor 1016 (5)	6.594	19077	2.710 ng/ml
7) Aroclor 1016 (6)	6.691	21004	4.354 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.128	589704	270.766 ng/ml
10) Aroclor 1221 (2)	5.255	8108	5.497 ng/ml
11) Aroclor 1221 (3)	5.322	25870	5.337 ng/ml
12) Aroclor 1221 (4)	5.819	11952	13.684 ng/ml
13) Aroclor 1221 (5)	6.107	19993	21.292 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.322	25870	6.989 ng/ml
16) Aroclor 1232 (2)	6.107	19993	3.937 ng/ml
17) Aroclor 1232 (3)	6.188	17140	6.136 ng/ml
18) Aroclor 1232 (4)	6.355	18627	9.980 ng/ml
19) Aroclor 1232 (5)	6.594	19077	7.717 ng/ml
20) Aroclor 1232 (6)	6.691	21004	10.486 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.696	12172	2.470 ng/ml
23) Aroclor 1242 (2)	6.107	19993	1.967 ng/ml
24) Aroclor 1242 (3)	6.188	17140	3.198 ng/ml
25) Aroclor 1242 (4)	6.355	18627	4.586 ng/ml
26) Aroclor 1242 (5)	6.594	19077	3.697 ng/ml
27) Aroclor 1242 (6)	6.691	21004	5.030 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.107	19993	3.378 ng/ml
30) Aroclor 1248 (2)	6.355	18627	2.655 ng/ml
31) Aroclor 1248 (3)	6.594	19077	2.257 ng/ml
32) Aroclor 1248 (4)	6.882	26560	2.640 ng/ml
33) Aroclor 1248 (5)	6.903	26327	2.584 ng/ml
34) Aroclor 1248 (6)	7.386	17725	3.204 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.903	26327	2.592 ng/ml
37) Aroclor 1254 (2)	7.010	23829	1.932 ng/ml
38) Aroclor 1254 (3)	7.386	17725	0.982 ng/ml
39) Aroclor 1254 (4)	7.548	15946	1.233 ng/ml
40) Aroclor 1254 (5)	7.934	20863	1.621 ng/ml
41) Aroclor 1254 (6)	8.214	6283	1.479 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.519	16574	1.250 ng/ml
44) Aroclor 1260 (2)	7.630	15618	0.932 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E20061\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 5:05 pm
 Operator : MJB / KAK
 Sample : 0050714-DUP1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:44:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.182	7832	0.627 ng/ml
46)	Aroclor 1260 (4)	8.350	23121	0.821 ng/ml
47)	Aroclor 1260 (5)	8.652	12432	0.656 ng/ml
48)	Aroclor 1260 (6)	9.044	9414	1.172 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.630	15618	1.226 ng/ml
51)	Aroclor 1262 (2)	7.934	20863	1.188 ng/ml
52)	Aroclor 1262 (3)	8.182	7832	0.516 ng/ml
53)	Aroclor 1262 (4)	8.350	23121	0.733 ng/ml
54)	Aroclor 1262 (5)	8.652	12432	0.641 ng/ml
55)	Aroclor 1262 (6)	9.044	9414	0.871 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.182	7832	0.911 ng/ml
58)	Aroclor 1268 (2)	8.604	9447	0.254 ng/ml
59)	Aroclor 1268 (3)	8.652	12432	0.380 ng/ml
60)	Aroclor 1268 (4)	8.833	407533	13.780 ng/ml
61)	Aroclor 1268 (5)	9.044	9414	0.802 ng/ml
62)	Aroclor 1268 (6)	9.299	955676	11.497 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

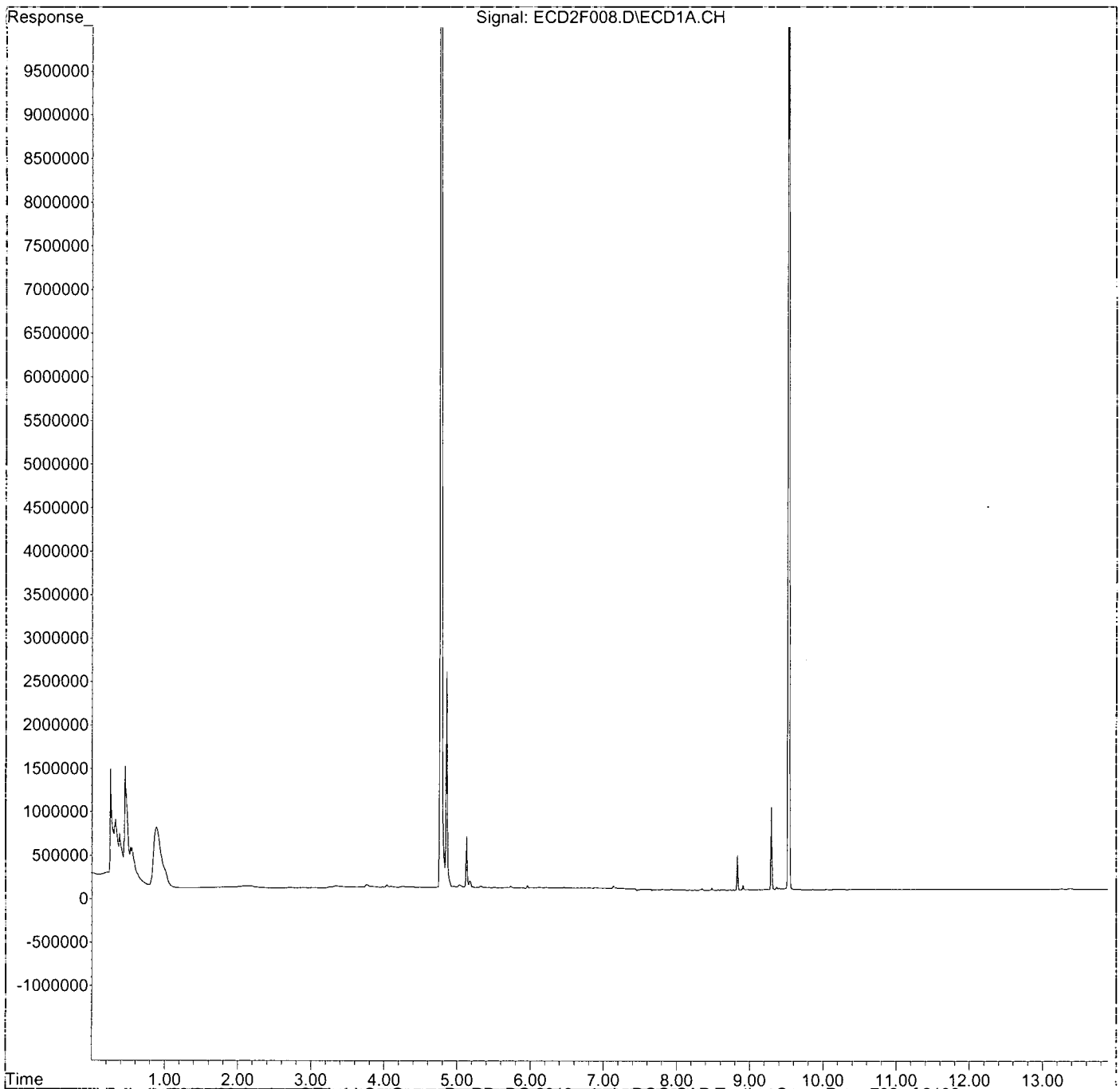
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E20061\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 5:05 pm
Operator : MJB / KAK
Sample : 0050714-DUP1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:44:01 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E20061\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 7:26 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:45:20 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 5/21/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.774	42564404	229.817	ng/ml
64) S DCBP (S)	9.534	39397297	221.114	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.694	2929518	447.997	ng/ml
3) Aroclor 1016 (2)	6.108	6302971	486.544	ng/ml
4) Aroclor 1016 (3)	6.189	3395179	476.039	ng/ml
5) Aroclor 1016 (4)	6.348	2603899	443.749	ng/ml
6) Aroclor 1016 (5)	6.569	3129312	444.618	ng/ml
7) Aroclor 1016 (6)	6.695	2142845	444.167	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.129	979991	449.968	ng/ml
10) Aroclor 1221 (2)	5.252	355143	240.785	ng/ml
11) Aroclor 1221 (3)	5.333	1638883	338.125	ng/ml
12) Aroclor 1221 (4)	5.804	333790	382.156	ng/ml
13) Aroclor 1221 (5)	6.108	6302971	6712.728	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	5.333	1638883	442.774	ng/ml
16) Aroclor 1232 (2)	6.108	6302971	1241.207	ng/ml
17) Aroclor 1232 (3)	6.189	3395179	1215.570	ng/ml
18) Aroclor 1232 (4)	6.348	2603899	1395.059	ng/ml
19) Aroclor 1232 (5)	6.569	3129312	1265.825	ng/ml
20) Aroclor 1232 (6)	6.695	2142845	1069.748	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	5.694	2929518	594.581	ng/ml
23) Aroclor 1242 (2)	6.108	6302971	620.091	ng/ml
24) Aroclor 1242 (3)	6.189	3395179	633.432	ng/ml
25) Aroclor 1242 (4)	6.348	2603899	641.122	ng/ml
26) Aroclor 1242 (5)	6.569	3129312	606.417	ng/ml
27) Aroclor 1242 (6)	6.695	2142845	513.175	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.108	6302971	1064.986	ng/ml
30) Aroclor 1248 (2)	6.348	2603899	371.182	ng/ml
31) Aroclor 1248 (3)	6.569	3129312	370.286	ng/ml
32) Aroclor 1248 (4)	6.863	626759	62.303	ng/ml
33) Aroclor 1248 (5)	6.898	2114900	207.598	ng/ml
34) Aroclor 1248 (6)	7.385	4452049	804.807	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	6.898	2114900	208.209	ng/ml
37) Aroclor 1254 (2)	7.007	2268156	183.926	ng/ml
38) Aroclor 1254 (3)	7.385	4452049	246.757	ng/ml
39) Aroclor 1254 (4)	7.543	652432	50.429	ng/ml
40) Aroclor 1254 (5)	7.924	5493741	426.767	ng/ml
41) Aroclor 1254 (6)	8.217	580437	136.665	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	7.498	5681335	428.381	ng/ml
44) Aroclor 1260 (2)	7.631	7341594	438.146	ng/ml

Data Path : K:\DATA\0E20061\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 7:26 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:45:20 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.187	5260407	420.977 ng/ml
46) Aroclor 1260 (4)	8.357	13225357	469.855 ng/ml
47) Aroclor 1260 (5)	8.656	8220000	434.066 ng/ml
48) Aroclor 1260 (6)	9.045	3254836	405.320 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.631	7341594	576.541 ng/ml
51) Aroclor 1262 (2)	7.955	5371356	305.768 ng/ml
52) Aroclor 1262 (3)	8.187	5260407	346.532 ng/ml
53) Aroclor 1262 (4)	8.357	13225357	419.252 ng/ml
54) Aroclor 1262 (5)	8.656	8220000	423.788 ng/ml
55) Aroclor 1262 (6)	9.045	3254836	301.307 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.187	5260407	611.733 ng/ml
58) Aroclor 1268 (2)	8.604	2837716	76.236 ng/ml
59) Aroclor 1268 (3)	8.656	8220000	251.045 ng/ml
60) Aroclor 1268 (4)	8.830	223864	7.570 ng/ml
61) Aroclor 1268 (5)	9.045	3254836	277.166 ng/ml
62) Aroclor 1268 (6)	9.300	722336	8.690 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

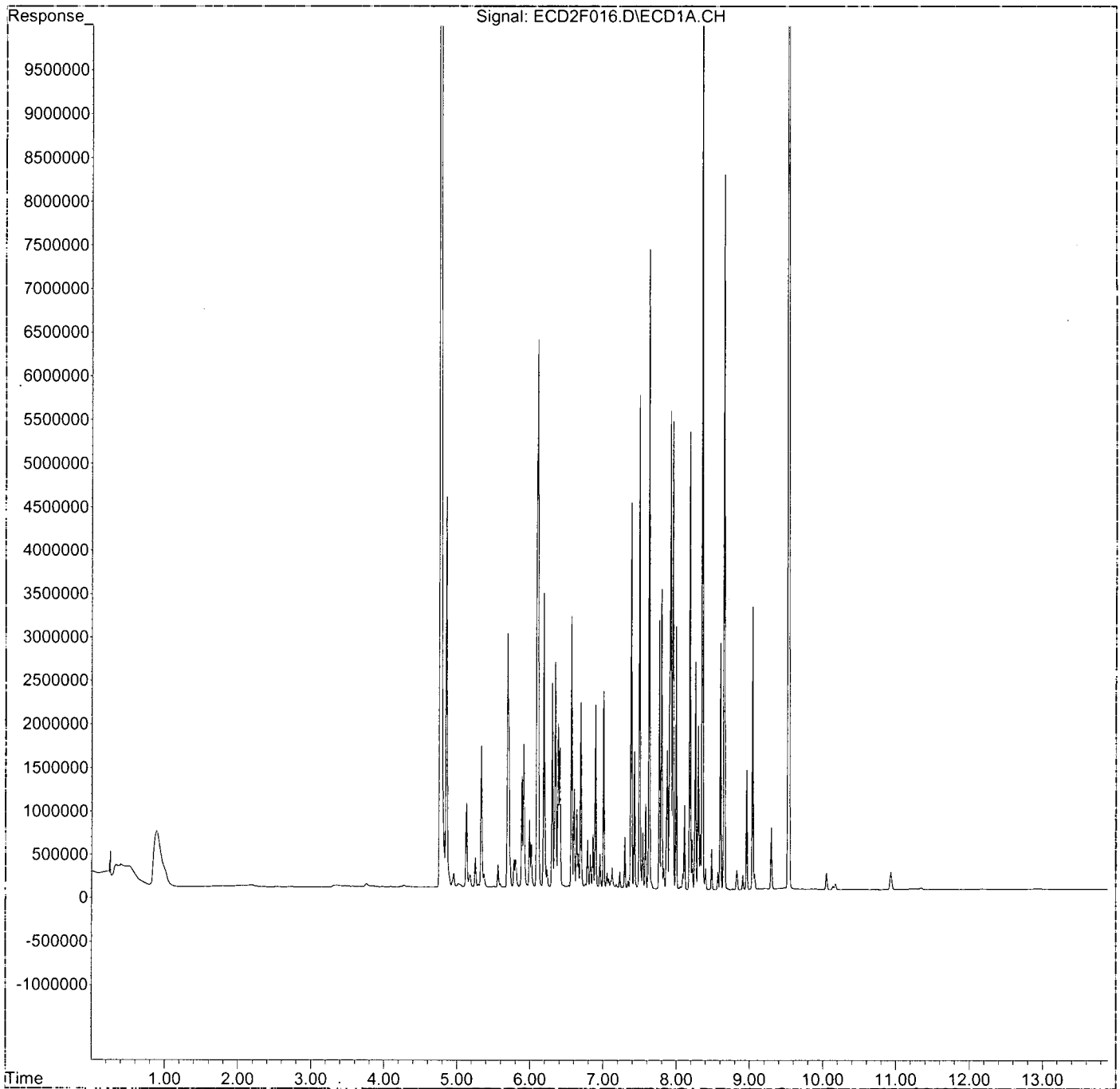
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 7:26 pm
Operator : MJB / KAK
Sample : 0E20061-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:45:20 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0E20061\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 7:43 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:45:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

5/21/20
clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.773	16710473	90.225 ng/ml
64) S DCBP (S)	9.533	15324955	86.010 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.681	10786	1.649 ng/ml
3) Aroclor 1016 (2)	6.112	20213	1.560 ng/ml
4) Aroclor 1016 (3)	6.202	18344	2.572 ng/ml
5) Aroclor 1016 (4)	6.344	17687	3.014 ng/ml
6) Aroclor 1016 (5)	6.574	19999	2.841 ng/ml
7) Aroclor 1016 (6)	6.696	20064	4.159 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.128	345543	158.658 ng/ml
10) Aroclor 1221 (2)	5.255	5612	3.805 ng/ml
11) Aroclor 1221 (3)	5.323	15498	3.198 ng/ml
12) Aroclor 1221 (4)	5.803	10697	12.247 ng/ml
13) Aroclor 1221 (5)	6.112	20213	21.527 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.323	15498	4.187 ng/ml
16) Aroclor 1232 (2)	6.112	20213	3.980 ng/ml
17) Aroclor 1232 (3)	6.202	18344	6.568 ng/ml
18) Aroclor 1232 (4)	6.344	17687	9.476 ng/ml
19) Aroclor 1232 (5)	6.574	19999	8.090 ng/ml
20) Aroclor 1232 (6)	6.696	20064	10.016 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.681	10786	2.189 ng/ml
23) Aroclor 1242 (2)	6.112	20213	1.989 ng/ml
24) Aroclor 1242 (3)	6.202	18344	3.422 ng/ml
25) Aroclor 1242 (4)	6.344	17687	4.355 ng/ml
26) Aroclor 1242 (5)	6.574	19999	3.875 ng/ml
27) Aroclor 1242 (6)	6.696	20064	4.805 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.112	20213	3.415 ng/ml
30) Aroclor 1248 (2)	6.344	17687	2.521 ng/ml
31) Aroclor 1248 (3)	6.574	19999	2.366 ng/ml
32) Aroclor 1248 (4)	6.880	26455	2.630 ng/ml
33) Aroclor 1248 (5)	6.895	25960	2.548 ng/ml
34) Aroclor 1248 (6)	7.380	14780	2.672 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.895	25960	2.556 ng/ml
37) Aroclor 1254 (2)	7.007	22755	1.845 ng/ml
38) Aroclor 1254 (3)	7.380	14780	0.819 ng/ml
39) Aroclor 1254 (4)	7.543	11766	0.909 ng/ml
40) Aroclor 1254 (5)	7.931	8394	0.652 ng/ml
41) Aroclor 1254 (6)	8.221	1000	0.235 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.497	12443	0.938 ng/ml
44) Aroclor 1260 (2)	7.631	10854	0.648 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E20061\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 20 May 2020 7:43 pm
 Operator : MJB / KAK
 Sample : 0E20061-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: May 21 15:45:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.187	2383	0.191 ng/ml
46)	Aroclor 1260 (4)	8.352	12189	0.433 ng/ml
47)	Aroclor 1260 (5)	8.655	4275	0.226 ng/ml
48)	Aroclor 1260 (6)	9.049	1495	0.186 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.631	10854	0.852 ng/ml
51)	Aroclor 1262 (2)	7.955	4502	0.256 ng/ml
52)	Aroclor 1262 (3)	8.187	2383	0.157 ng/ml
53)	Aroclor 1262 (4)	8.352	12189	0.386 ng/ml
54)	Aroclor 1262 (5)	8.655	4275	0.220 ng/ml
55)	Aroclor 1262 (6)	9.049	1495	0.138 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.187	2383	0.277 ng/ml
58)	Aroclor 1268 (2)	8.601	584	0.016 ng/ml
59)	Aroclor 1268 (3)	8.655	4275	0.131 ng/ml
60)	Aroclor 1268 (4)	8.835	33896	1.146 ng/ml
61)	Aroclor 1268 (5)	9.049	1495	0.127 ng/ml
62)	Aroclor 1268 (6)	9.320	11028	0.133 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

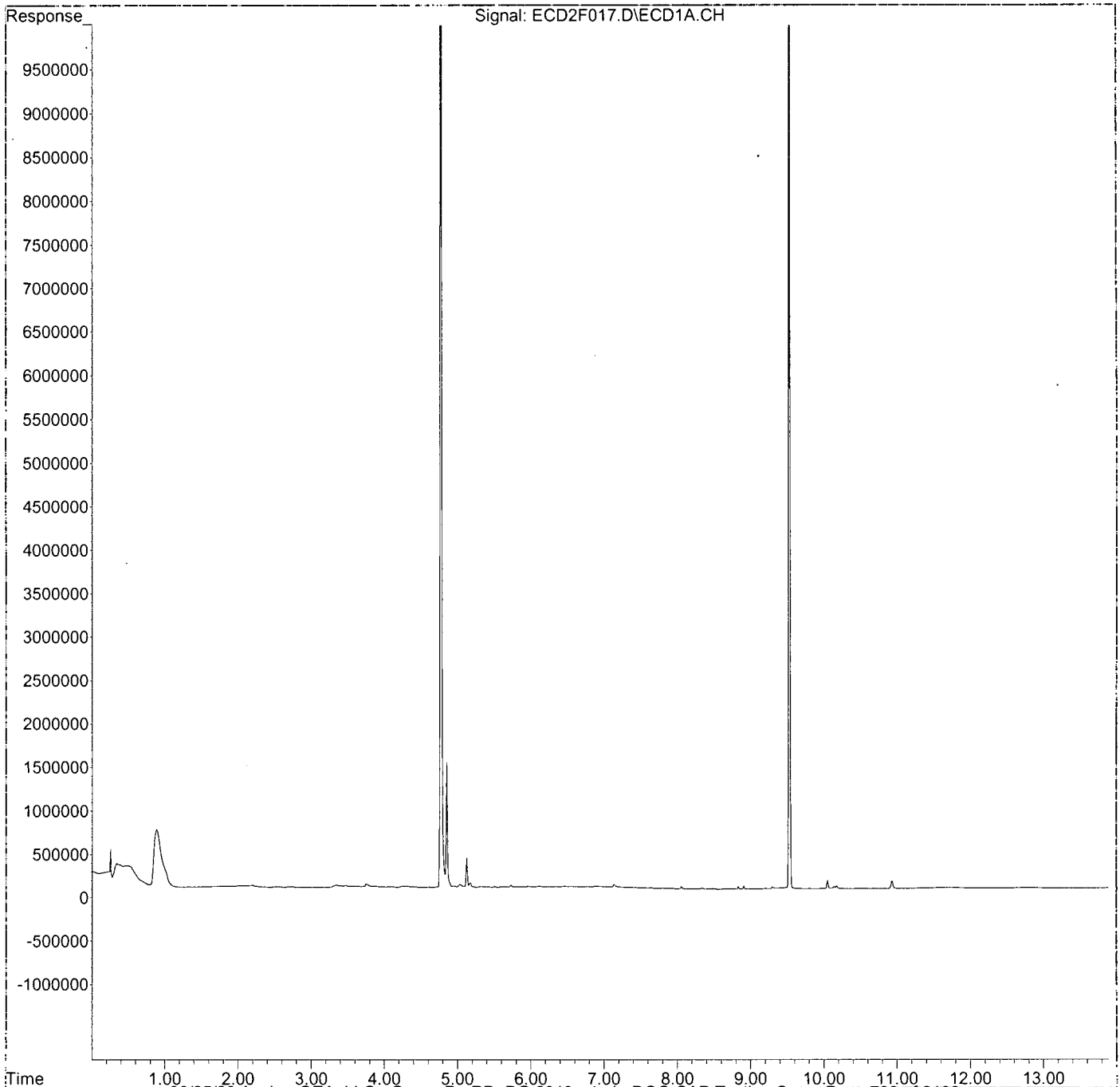
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0E20061\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 20 May 2020 7:43 pm
Operator : MJB / KAK
Sample : 0E20061-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: May 21 15:45:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426RT8.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0C26028 (Cal ID A0C2703) DUALECD6R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0C26028**

Instrument: **DUALECD6R**

Date: **03/26/20 06:42**

Calibration: **A0C2703**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0C26028-ICB1	Water	QC	QC				A20C404
2	0C26028-CAL1	Water	QC	QC				A19L280
3	0C26028-CAL2	Water	QC	QC				A19L281
4	0C26028-CAL3	Water	QC	QC				A19L282
5	0C26028-CAL4	Water	QC	QC				A19L283
6	0C26028-CAL5	Water	QC	QC				A19L276
7	0C26028-CAL6	Water	QC	QC				A19L278
8	0C26028-CAL7	Water	QC	QC				A19L279
9	0C26028-IBL1	Water	QC	QC				
10	0C26028-ICV1	Water	QC	QC				A20B355
11	0C26028-CAL8	Water	QC	QC				A20C117
12	0C26028-CAL9	Water	QC	QC				A20B322
13	0C26028-CALA	Water	QC	QC				A20B323
14	0C26028-CALB	Water	QC	QC				A20B324
15	0C26028-CALC	Water	QC	QC				A20B325
16	0C26028-CALD	Water	QC	QC				A20B326
17	0C26028-CALE	Water	QC	QC				A20B327
18	0C26028-ICV2	Water	QC	QC				A20B353
19	0C26028-ICV3	Water	QC	QC				A19J367
20	0C26028-ICV4	Water	QC	QC				A20B354
21	0C26028-ICV5	Water	QC	QC				A20B130

Comments:

Data Entered By: *[Signature]* 3/27/20

Data Reviewed By: *[Signature]* 3/30/20

Calibration Status Report HP G1530A

Method Path : T:\METHODS\
 Method File : RECD6_QUANTPCB_200326.M
 Title : PCB Data Analysis
 Last Update : Fri Mar 27 09:36:18 2020
 Response Via : Initial Calibration

AOC2703
[Signature] 3/27/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	S:\DATA\0C26028\ECD6R006.D
2	2	25	0	S:\DATA\0C26028\ECD6R007.D
3	3	50	0	S:\DATA\0C26028\ECD6R008.D
4	4	100	0	S:\DATA\0C26028\ECD6R009.D
5	5	250	0	S:\DATA\0C26028\ECD6R021.D
6	6	500	0	S:\DATA\0C26028\ECD6R011.D
7	7	800	0	S:\DATA\0C26028\ECD6R012.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Mar 27 09:33 2020	Mar 27 08:45 2020	26 Mar 2020 8:31 am
2	2	Mar 27 09:33 2020	Mar 27 08:50 2020	26 Mar 2020 8:49 am
3	3	Mar 27 09:34 2020	Mar 27 08:51 2020	26 Mar 2020 9:06 am
4	4	Mar 27 09:34 2020	Mar 27 08:52 2020	26 Mar 2020 9:24 am
5	5	Mar 27 09:36 2020	Mar 27 09:18 2020	26 Mar 2020 5:57 pm
6	6	Mar 27 09:34 2020	Mar 27 08:53 2020	26 Mar 2020 9:59 am
7	7	Mar 27 09:34 2020	Mar 27 08:54 2020	26 Mar 2020 10:17 am

RECD6_QUANTPCB_200326.M Fri Mar 27 12:23:02 2020

Response Factor Report HP G1530A

Method Path : T:\METHODS\
 Method File : RECD6_QUANTPCB_200326.M
 Title : PCB Data Analysis
 Last Update : Fri Mar 27 09:36:18 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD6R006.D 2 =ECD6R007.D 3 =ECD6R008.D
 4 =ECD6R009.D 5 =ECD6R021.D 6 =ECD6R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.784	1.730	1.780	1.860	1.654	1.927	1.798	E5 5.03
2) Aroclor 1016 ...	6.497	5.617	5.453	5.369	4.824	4.685	5.272	E3 13.10 ✓
3) Aroclor 1016 ...	9.212	8.510	8.754	8.378	8.370	8.135	8.489	E3 4.63 ✓
4) Aroclor 1016 ...	4.473	4.132	4.036	4.057	3.722	3.715	3.981	E3 7.05 ✓
5) Aroclor 1016 ...	5.524	4.813	4.624	4.319	4.108	3.926	4.454	E3 13.17 ✓
6) Aroclor 1016 ...	5.787	5.202	4.891	4.797	4.417	4.353	4.818	E3 11.23 ✓
7) Aroclor 1016 (6)	5.592	5.010	4.847	4.716	4.465	4.291	4.730	E3 10.17 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.397		1.397	E3 0.00
10) Aroclor 1221 (2)					1.308		1.308	E3 0.00
11) Aroclor 1221 (3)					4.226		4.226	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					3.473		3.473	E3 0.00
14) Aroclor 1232 (2)					2.065		2.065	E3 0.00
15) Aroclor 1232 (3)					3.343		3.343	E3 0.00
16) Aroclor 1232 (4)					1.435		1.435	E3 0.00
17) Aroclor 1232 (5)					1.657		1.657	E3 0.00
18) Aroclor 1232 (6)					1.674		1.674	E3 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					3.704		3.704	E3 0.00
21) Aroclor 1242 ...					6.251		6.251	E3 0.00
22) Aroclor 1242 ...					2.989		2.989	E3 0.00
23) Aroclor 1242 ...					3.016		3.016	E3 0.00
24) Aroclor 1242 ...					3.370		3.370	E3 0.00
25) Aroclor 1242 (6)					3.505		3.505	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					3.918		3.918	E3 0.00
28) Aroclor 1248 ...					5.202		5.202	E3 0.00
29) Aroclor 1248 ...					4.758		4.758	E3 0.00
30) Aroclor 1248 ...					5.702		5.702	E3 0.00
31) Aroclor 1248 ...					6.884		6.884	E3 0.00
32) Aroclor 1248 (6)					5.900		5.900	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					7.595		7.595	E3 0.00
35) Aroclor 1254 ...					1.104		1.104	E4 0.00
36) Aroclor 1254 ...					1.218		1.218	E4 0.00
37) Aroclor 1254 ...					8.304		8.304	E3 0.00
38) Aroclor 1254 ...					8.980		8.980	E3 0.00
39) Aroclor 1254 (6)					2.544		2.544	E3 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	1.053	0.952	0.930	0.902	0.887	0.880	0.925	E4 6.83 ✓
42) Aroclor 1260 ...	1.220	1.137	1.082	1.069	1.070	1.059	1.099	E4 5.51 ✓
43) Aroclor 1260 (3)	1.180	1.123	1.124	1.087	1.099	1.079	1.110	E4 3.29 ✓
44) Aroclor 1260 (4)	1.629	1.547	1.517	1.580	1.567	1.592	1.576	E4 2.31 ✓
45) Aroclor 1260 (5)	1.034	0.948	0.919	0.917	0.880	0.892	0.927	E4 5.60 ✓
46) Aroclor 1260 (6)	4.219	3.843	3.660	3.572	3.350	3.405	3.629	E3 8.73 ✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					8.448		8.448	E3 0.00
49) Aroclor 1262 (2)					1.147		1.147	E4 0.00
50) Aroclor 1262 (3)					8.780		8.780	E3 0.00
51) Aroclor 1262 (4)					1.781		1.781	E4 0.00
52) Aroclor 1262 (5)					1.071		1.071	E4 0.00
53) Aroclor 1262 (6)					4.784		4.784	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					4.907		4.907	E3 0.00
56) Aroclor 1268 (2)					2.009		2.009	E4 0.00
57) Aroclor 1268 (3)					1.625		1.625	E4 0.00
58) Aroclor 1268 (4)					1.399		1.399	E4 0.00
59) Aroclor 1268 (5)					5.313		5.313	E3 0.00
60) Aroclor 1268 (6)					3.632		3.632	E4 0.00

Response Factor Report HP G1530A

Method Path : T:\METHODS\
 Method File : RECD6_QUANTPCB_200326.M
 Title : PCB Data Analysis
 Last Update : Fri Mar 27 09:36:18 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD6R006.D 2 =ECD6R007.D 3 =ECD6R008.D
 4 =ECD6R009.D 5 =ECD6R021.D 6 =ECD6R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	7.740	7.380	7.725	7.816	7.240	8.172	7.805 E4	5.78 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : T:\METHODS\
 Method File : RECD6_QUANTPCB_200326.M
 Title : PCB Data Analysis
 Last Update : Fri Mar 27 09:36:18 2020
 Response Via : Initial Calibration

Handwritten: 3/27/20

Total Cpnds : 62

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	6.046	1.000	A	H	L
2	Aroclor 1016 (1)	6.718	1.000	A	H	R
3	Aroclor 1016 (2)	7.211	1.000	A	H	R
4	Aroclor 1016 (3)	7.341	1.000	A	H	R
5	Aroclor 1016 (4)	7.425	1.000	A	H	R
6	Aroclor 1016 (5)	7.472	1.000	A	H	R
7	Aroclor 1016 (6)	7.599	1.000	A	H	R
8	Aroclor 1016 - AVE	3.048	1.000	A	H	R
9	Aroclor 1221 (1)	6.221	1.000	A	H	R
10	Aroclor 1221 (2)	6.294	1.000	A	H	R
11	Aroclor 1221 (3)	6.381	1.000	A	H	R
12	Aroclor 1221 - AVE	3.048	1.000	A	H	R
13	Aroclor 1232 (1)	6.382	1.000	A	H	R
14	Aroclor 1232 (2)	6.719	1.000	A	H	R
15	Aroclor 1232 (3)	7.212	1.000	A	H	R
16	Aroclor 1232 (4)	7.425	1.000	A	H	R
17	Aroclor 1232 (5)	7.472	1.000	A	H	R
18	Aroclor 1232 (6)	7.599	1.000	A	H	R
19	Aroclor 1232 - AVE	3.048	1.000	A	H	R
20	Aroclor 1242 (1)	6.720	1.000	A	H	R
21	Aroclor 1242 (2)	7.212	1.000	A	H	R
22	Aroclor 1242 (3)	7.343	1.000	A	H	R
23	Aroclor 1242 (4)	7.426	1.000	A	H	R
24	Aroclor 1242 (5)	7.473	1.000	A	H	R
25	Aroclor 1242 (6)	7.601	1.000	A	H	R
26	Aroclor 1242 - AVE	3.048	1.000	A	H	R
27	Aroclor 1248 (1)	7.185	1.000	A	H	R
28	Aroclor 1248 (2)	7.426	1.000	A	H	R
29	Aroclor 1248 (3)	7.473	1.000	A	H	R
30	Aroclor 1248 (4)	7.601	1.000	A	H	R
31	Aroclor 1248 (5)	7.968	1.000	A	H	R
32	Aroclor 1248 (6)	8.129	1.000	A	H	R
33	Aroclor 1248 - AVE	3.048	1.000	A	H	R
34	Aroclor 1254 (1)	7.945	1.000	A	H	R
35	Aroclor 1254 (2)	8.127	1.000	A	H	R
36	Aroclor 1254 (3)	8.443	1.000	A	H	R
37	Aroclor 1254 (4)	8.683	1.000	A	H	R
38	Aroclor 1254 (5)	9.023	1.000	A	H	R
39	Aroclor 1254 (6)	9.278	1.000	A	H	R
40	Aroclor 1254 - AVE	3.048	1.000	A	H	R
41	Aroclor 1260 (1)	8.578	1.000	A	H	R
42	Aroclor 1260 (2)	8.784	1.000	A	H	R
43	Aroclor 1260 (3)	9.023	1.000	A	H	R
44	Aroclor 1260 (4)	9.569	1.000	A	H	R
45	Aroclor 1260 (5)	9.877	1.000	A	H	R
46	Aroclor 1260 (6)	10.555	1.000	A	H	R
47	Aroclor 1260 - AVE	3.048	1.000	A	H	R
48	Aroclor 1262 (1)	8.784	1.000	A	H	R
49	Aroclor 1262 (2)	9.094	1.000	A	H	R
50	Aroclor 1262 (3)	9.294	1.000	A	H	R
51	Aroclor 1262 (4)	9.569	1.000	A	H	R
52	Aroclor 1262 (5)	9.876	1.000	A	H	R
53	Aroclor 1262 (6)	10.555	1.000	A	H	R
54	Aroclor 1262 - AVE	3.059	1.000	A	H	R
55	Aroclor 1268 (1)	9.877	1.000	A	H	R
56	Aroclor 1268 (2)	9.877	1.000	A	H	R

57	Aroclor 1268 (3)	9.956	1.000	A	H	R
58	Aroclor 1268 (4)	10.211	1.000	A	H	R
59	Aroclor 1268 (5)	10.556	1.000	A	H	R
60	Aroclor 1268 (6)	10.983	1.000	A	H	R
61	Aroclor 1268 - AVE	3.048	1.000	A	H	R
62	S DCBP (S)	11.365	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

RECD6_QUANTPCB_200326.M Fri Mar 27 12:22:51 2020

Element Calibration Review Sheet

Calibration ID: **A0C2703**
 Analysis: **8082 PCBs**

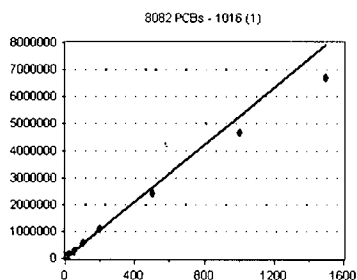
Instrument: **DUALECD6R**

Calibration Date: **03/27/2020**

Instrument Cal ID: **RECD6_QUANTPCB_20032**

1016 (1)

Curve Fit: **AVERAGE RF**

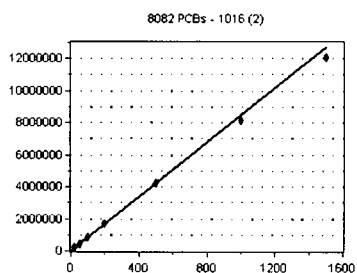


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	129934	6496.700	6.72
0C26028-CAL2	50	280841	5616.820	6.72
0C26028-CAL3	100	545267	5452.670	6.72
0C26028-CAL4	200	1073793	5368.965	6.72
0C26028-CAL5	500	2412248	4824.496	6.72
0C26028-CAL6	1000	4684538	4684.538	6.72
0C26028-CAL7	1500	6694417	4462.945	6.72

AVE RF 5272.448 **RF RSD** 13.10 **AVE RT** 6.72

1016 (2)

Curve Fit: **AVERAGE RF**

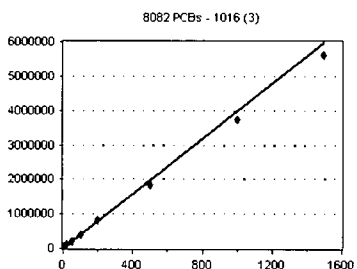


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	184239	9211.950	7.21
0C26028-CAL2	50	425522	8510.440	7.21
0C26028-CAL3	100	875417	8754.170	7.21
0C26028-CAL4	200	1675564	8377.820	7.21
0C26028-CAL5	500	4184879	8369.758	7.21
0C26028-CAL6	1000	8134966	8134.966	7.21
0C26028-CAL7	1500	209424E+07	8062.827	7.21

AVE RF 8488.847 **RF RSD** 4.63 **AVE RT** 7.21

1016 (3)

Curve Fit: **AVERAGE RF**

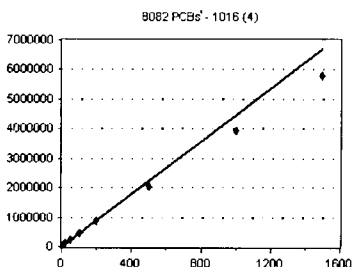


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	89462	4473.100	7.34
0C26028-CAL2	50	206620	4132.400	7.34
0C26028-CAL3	100	403604	4036.040	7.34
0C26028-CAL4	200	811374	4056.870	7.34
0C26028-CAL5	500	1860769	3721.538	7.34
0C26028-CAL6	1000	3715053	3715.053	7.34
0C26028-CAL7	1500	5599877	3733.251	7.34

AVE RF 3981.179 **RF RSD** 7.05 **AVE RT** 7.34

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	110474	5523.700	7.43
0C26028-CAL2	50	240658	4813.160	7.43
0C26028-CAL3	100	462428	4624.280	7.43
0C26028-CAL4	200	863725	4318.625	7.43
0C26028-CAL5	500	2054194	4108.388	7.43
0C26028-CAL6	1000	3926225	3926.225	7.43
0C26028-CAL7	1500	5799432	3866.288	7.43

AVE RF 4454.381 **RF RSD** 13.17 **AVE RT** 7.43

Element Calibration Review Sheet

Calibration ID: **A0C2703**
 Analysis: **8082 PCBs**

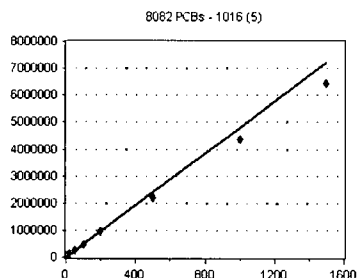
Instrument: **DUALECD6R**

Calibration Date: **03/27/2020**

Instrument Cal ID: **RECD6_QUANTPCB_20032**

1016 (5)

Curve Fit: **AVERAGE RF**

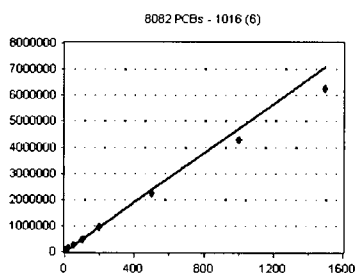


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	115737	5786.850	7.47
0C26028-CAL2	50	260088	5201.760	7.47
0C26028-CAL3	100	489098	4890.980	7.47
0C26028-CAL4	200	959370	4796.850	7.47
0C26028-CAL5	500	2208429	4416.858	7.47
0C26028-CAL6	1000	4353008	4353.008	7.47
0C26028-CAL7	1500	6422322	4281.548	7.47

AVE RF 4818.265 RF RSD 11.23 AVE RT 7.47

1016 (6)

Curve Fit: **AVERAGE RF**

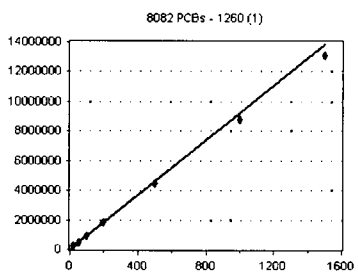


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	111844	5592.200	7.60
0C26028-CAL2	50	250487	5009.740	7.60
0C26028-CAL3	100	484655	4846.550	7.60
0C26028-CAL4	200	943112	4715.560	7.60
0C26028-CAL5	500	2232359	4464.718	7.60
0C26028-CAL6	1000	4291383	4291.383	7.60
0C26028-CAL7	1500	6288012	4192.008	7.60

AVE RF 4730.308 RF RSD 10.17 AVE RT 7.60

1260 (1)

Curve Fit: **AVERAGE RF**

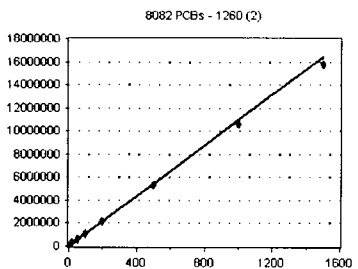


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	210656	10532.800	8.58
0C26028-CAL2	50	476118	9522.360	8.58
0C26028-CAL3	100	930309	9303.090	8.58
0C26028-CAL4	200	1804678	9023.390	8.58
0C26028-CAL5	500	4433137	8866.274	8.58
0C26028-CAL6	1000	8800369	8800.369	8.58
0C26028-CAL7	1500	309118E+07	8727.453	8.58

AVE RF 9253.677 RF RSD 6.83 AVE RT 8.58

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	244022	12201.100	8.79
0C26028-CAL2	50	568739	11374.780	8.79
0C26028-CAL3	100	1081904	10819.040	8.78
0C26028-CAL4	200	2138737	10693.680	8.78
0C26028-CAL5	500	5348705	10697.410	8.78
0C26028-CAL6	1000	058627E+07	10586.270	8.78
0C26028-CAL7	1500	578842E+07	10525.610	8.78

AVE RF 10985.410 RF RSD 5.51 AVE RT 8.78

Element Calibration Review Sheet

Calibration ID: **A0C2703**
 Analysis: **8082 PCBs**

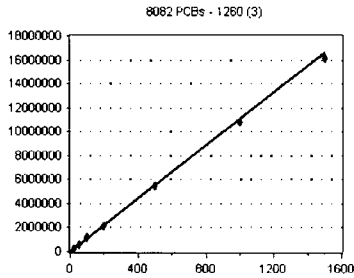
Instrument: **DUALECD6R**

Calibration Date: **03/27/2020**

Instrument Cal ID: **RECD6_QUANTPCB_20032**

1260 (3)

Curve Fit: **AVERAGE RF**

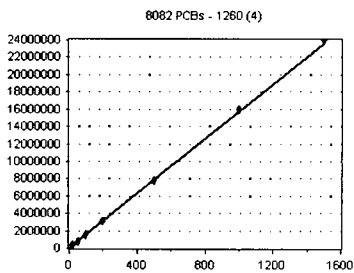


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	235904	11795.200	9.03
0C26028-CAL2	50	561591	11231.820	9.02
0C26028-CAL3	100	1123973	11239.730	9.02
0C26028-CAL4	200	2173084	10865.420	9.02
0C26028-CAL5	500	5493009	10986.020	9.02
0C26028-CAL6	1000	079298E+07	10792.980	9.02
0C26028-CAL7	1500	613288E+07	10755.250	9.02

AVE RF 11095.200 **RF RSD** 3.29 **AVE RT** 9.02

1260 (4)

Curve Fit: **AVERAGE RF**

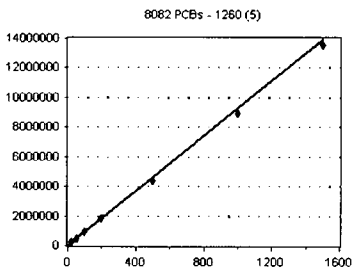


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	325773	16288.650	9.57
0C26028-CAL2	50	773361	15467.220	9.57
0C26028-CAL3	100	1517057	15170.570	9.57
0C26028-CAL4	200	3159555	15797.780	9.57
0C26028-CAL5	500	7835995	15671.990	9.57
0C26028-CAL6	1000	591829E+07	15918.290	9.57
0C26028-CAL7	1500	396796E+07	15978.640	9.57

AVE RF 15756.160 **RF RSD** 2.31 **AVE RT** 9.57

1260 (5)

Curve Fit: **AVERAGE RF**

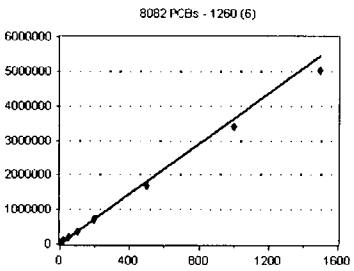


Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	206818	10340.900	9.88
0C26028-CAL2	50	474169	9483.380	9.88
0C26028-CAL3	100	918774	9187.740	9.88
0C26028-CAL4	200	1834249	9171.245	9.88
0C26028-CAL5	500	4398859	8797.718	9.88
0C26028-CAL6	1000	8918793	8918.793	9.88
0C26028-CAL7	1500	353054E+07	9020.360	9.88

AVE RF 9274.305 **RF RSD** 5.60 **AVE RT** 9.88

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0C26028-CAL1	20	84385	4219.250	10.56
0C26028-CAL2	50	192129	3842.580	10.56
0C26028-CAL3	100	366025	3660.250	10.56
0C26028-CAL4	200	714372	3571.860	10.56
0C26028-CAL5	500	1674834	3349.668	10.56
0C26028-CAL6	1000	3405025	3405.025	10.55
0C26028-CAL7	1500	5032438	3354.959	10.55

AVE RF 3629.085 **RF RSD** 8.72 **AVE RT** 10.56

Element Calibration Review Sheet

Calibration ID: **A0C2703**

Instrument: **DUALECD6R**

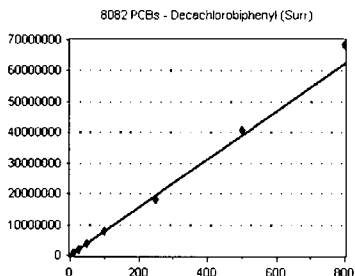
Calibration Date: **03/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD6_QUANTPCB_20032**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response	
			Factor	RT
0C26028-CAL1	10	773987	77398.700	11.37
0C26028-CAL2	25	1845059	73802.360	11.37
0C26028-CAL3	50	3862290	77245.800	11.36
0C26028-CAL4	100	7816417	78164.170	11.36
0C26028-CAL5	250	809958E+07	72398.320	11.37
0C26028-CAL6	500	086027E+07	81720.550	11.37
0C26028-CAL7	800	1.85217E+07	85652.120	11.37

AVE RF **78054.570** RF RSD **5.78** AVE RT **11.37**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

Analysis Included

1311/8082 TCLP PCBs
 608 PCBs
 608 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 (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analized
0C26028-ICB1	Initial Cal Blank	Soil	A20C404		3/26/2020 8:13:00AM
0C26028-CAL1	Cal Standard	Soil	A19L280	"	3/26/2020 8:31:00AM
0C26028-CAL2	Cal Standard	Soil	A19L281	"	3/26/2020 8:49:00AM
0C26028-CAL3	Cal Standard	Soil	A19L282	"	3/26/2020 9:06:00AM
0C26028-CAL4	Cal Standard	Soil	A19L283	"	3/26/2020 9:24:00AM
0C26028-CAL5	Cal Standard	Soil	A19L276	"	3/26/2020 9:42:00AM
0C26028-CAL6	Cal Standard	Soil	A19L278	"	3/26/2020 9:59:00AM
0C26028-CAL7	Cal Standard	Soil	A19L279	"	3/26/2020 10:17:00AM
0C26028-ICV1	Initial Cal Check	Soil	A20B355	"	3/26/2020 3:53:00PM
0C26028-CAL8	Cal Standard	Soil	A20C117	"	3/26/2020 4:11:00PM
0C26028-CAL9	Cal Standard	Soil	A20B322	"	3/26/2020 4:29:00PM
0C26028-CALA	Cal Standard	Soil	A20B323	"	3/26/2020 4:46:00PM
0C26028-CALB	Cal Standard	Soil	A20B324	"	3/26/2020 5:04:00PM
0C26028-CALC	Cal Standard	Soil	A20B325	"	3/26/2020 5:22:00PM
0C26028-CALD	Cal Standard	Soil	A20B326	"	3/26/2020 5:39:00PM
0C26028-CALE	Cal Standard	Soil	A20B327	"	3/26/2020 5:57:00PM
0C26028-ICV2	Initial Cal Check	Soil	A20B353	"	3/26/2020 6:15:00PM
0C26028-ICV3	Initial Cal Check	Soil	A19J367	"	3/26/2020 6:33:00PM
0C26028-ICV4	Initial Cal Check	Soil	A20B354	"	3/26/2020 6:50:00PM
0C26028-ICV5	Initial Cal Check	Soil	A20B130	"	3/26/2020 7:08:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: A0C2703

Instrument: DUALECD6R

1311/8082 TCLP PCBs

Sequence: 0C26028

Matrix: Soil

0C26028-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	
Aroclor 1260	0.0000	0.00	20.0	0	
0C26028-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

Aroclor 1260	40.0000	0.00	50.0	0	
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	
Aroclor 1016	40.0000	0.00	50.0	0	
Aroclor 1260	40.0000	0.00	50.0	0	
0C26028-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	
Aroclor 1260	100.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	
Aroclor 1260	100.0000	0.00	100	0	
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	
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
0C26028-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
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	
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
0C26028-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
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	
Aroclor 1016	300.0000	0.00	500	0	
Aroclor 1260	300.0000	0.00	500	0	
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
0C26028-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

Aroclor 1016	100.0000	0.00	1000	0
Aroclor 1260	100.0000	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
Aroclor 1016	300.0000	0.00	1000	0
Aroclor 1260	300.0000	0.00	1000	0
Aroclor 1016	40.0000	0.00	1000	0
Aroclor 1260	40.0000	0.00	1000	0

0C26028-CAL7

Inst. MRL Recalc Res. Cal Level %Rec. Qual

Aroclor 1016	40.0000	0.00	1500	0
Aroclor 1260	40.0000	0.00	1500	0
Aroclor 1016	100.0000	0.00	1500	0
Aroclor 1260	100.0000	0.00	1500	0
Aroclor 1016	100.0000	0.00	1500	0
Aroclor 1260	100.0000	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
Aroclor 1016	300.0000	0.00	1500	0
Aroclor 1260	300.0000	0.00	1500	0
Aroclor 1016	40.0000	0.00	1500	0
Aroclor 1260	40.0000	0.00	1500	0

0C26028-CAL8

Inst. MRL Recalc Res. Cal Level %Rec. Qual

1221 (1)	40.0000	0.00	500	0
1221 (2)	40.0000	0.00	500	0
1221 (3)	40.0000	0.00	500	0
Aroclor 1221	40.0000	0.00	500	0
1221 (1)	100.0000	0.00	500	0
1221 (2)	100.0000	0.00	500	0
1221 (3)	100.0000	0.00	500	0
Aroclor 1221	100.0000	0.00	500	0
1221 (1)	100.0000	0.00	500	0
1221 (2)	100.0000	0.00	500	0
1221 (3)	100.0000	0.00	500	0
Aroclor 1221	100.0000	0.00	500	0
Aroclor 1221	0.0000	0.00	500	0
Aroclor 1221	0.0000	0.00	500	0
1221 (1)	300.0000	0.00	500	0
1221 (2)	300.0000	0.00	500	0
1221 (3)	300.0000	0.00	500	0
Aroclor 1221	300.0000	0.00	500	0
1221 (1)	40.0000	0.00	500	0
1221 (2)	40.0000	0.00	500	0
1221 (3)	40.0000	0.00	500	0
Aroclor 1221	40.0000	0.00	500	0

0C26028-CAL9

Inst. MRL Recalc Res. Cal Level %Rec. Qual

1232 (1)	40.0000	0.00	500	0
1232 (2)	40.0000	0.00	500	0
1232 (3)	40.0000	0.00	500	0
1232 (4)	40.0000	0.00	500	0

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

1232 (5)	40.0000	0.00	500	0
1232 (6)	40.0000	0.00	500	0
Aroclor 1232	40.0000	0.00	500	0
1232 (1)	100.0000	0.00	500	0
1232 (2)	100.0000	0.00	500	0
1232 (3)	100.0000	0.00	500	0
1232 (4)	100.0000	0.00	500	0
1232 (5)	100.0000	0.00	500	0
1232 (6)	100.0000	0.00	500	0
Aroclor 1232	100.0000	0.00	500	0
1232 (1)	100.0000	0.00	500	0
1232 (2)	100.0000	0.00	500	0
1232 (3)	100.0000	0.00	500	0
1232 (4)	100.0000	0.00	500	0
1232 (5)	100.0000	0.00	500	0
1232 (6)	100.0000	0.00	500	0
Aroclor 1232	100.0000	0.00	500	0
Aroclor 1232	0.0000	0.00	500	0
Aroclor 1232	0.0000	0.00	500	0
1232 (1)	300.0000	0.00	500	0
1232 (2)	300.0000	0.00	500	0
1232 (3)	300.0000	0.00	500	0
1232 (4)	300.0000	0.00	500	0
1232 (5)	300.0000	0.00	500	0
1232 (6)	300.0000	0.00	500	0
Aroclor 1232	300.0000	0.00	500	0
1232 (1)	40.0000	0.00	500	0
1232 (2)	40.0000	0.00	500	0
1232 (3)	40.0000	0.00	500	0
1232 (4)	40.0000	0.00	500	0
1232 (5)	40.0000	0.00	500	0
1232 (6)	40.0000	0.00	500	0
Aroclor 1232	40.0000	0.00	500	0

0C26028-CALA

	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

Aroclor 1242	0.0000	0.00	500	0	
Aroclor 1242	0.0000	0.00	500	0	
1242 (1)	300.0000	0.00	500	0	
1242 (2)	300.0000	0.00	500	0	
1242 (3)	300.0000	0.00	500	0	
1242 (4)	300.0000	0.00	500	0	
1242 (5)	300.0000	0.00	500	0	
1242 (6)	300.0000	0.00	500	0	
Aroclor 1242	300.0000	0.00	500	0	
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
0C26028-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	
Aroclor 1248	40.0000	0.00	500	0	
1248 (1)	100.0000	0.00	500	0	
1248 (2)	100.0000	0.00	500	0	
1248 (3)	100.0000	0.00	500	0	
1248 (4)	100.0000	0.00	500	0	
1248 (5)	100.0000	0.00	500	0	
1248 (6)	100.0000	0.00	500	0	
Aroclor 1248	100.0000	0.00	500	0	
1248 (1)	100.0000	0.00	500	0	
1248 (2)	100.0000	0.00	500	0	
1248 (3)	100.0000	0.00	500	0	
1248 (4)	100.0000	0.00	500	0	
1248 (5)	100.0000	0.00	500	0	
1248 (6)	100.0000	0.00	500	0	
Aroclor 1248	100.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	
Aroclor 1248	0.0000	0.00	500	0	
1248 (1)	300.0000	0.00	500	0	
1248 (2)	300.0000	0.00	500	0	
1248 (3)	300.0000	0.00	500	0	
1248 (4)	300.0000	0.00	500	0	
1248 (5)	300.0000	0.00	500	0	
1248 (6)	300.0000	0.00	500	0	
Aroclor 1248	300.0000	0.00	500	0	
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	
Aroclor 1248	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

0C26028-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	
1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	
1254 (1)	300.0000	0.00	500	0	
1254 (2)	300.0000	0.00	500	0	
1254 (3)	300.0000	0.00	500	0	
1254 (4)	300.0000	0.00	500	0	
1254 (5)	300.0000	0.00	500	0	
1254 (6)	300.0000	0.00	500	0	
Aroclor 1254	300.0000	0.00	500	0	
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	
1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
0C26028-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
Aroclor 1262	40.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
Aroclor 1262	100.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

1262 (2)	100.0000	0.00	500	0
1262 (3)	100.0000	0.00	500	0
1262 (4)	100.0000	0.00	500	0
1262 (5)	100.0000	0.00	500	0
1262 (6)	100.0000	0.00	500	0
Aroclor 1262	100.0000	0.00	500	0
Aroclor 1262	0.0000	0.00	500	0
Aroclor 1262	0.0000	0.00	500	0
1262 (1)	300.0000	0.00	500	0
1262 (2)	300.0000	0.00	500	0
1262 (3)	300.0000	0.00	500	0
1262 (4)	300.0000	0.00	500	0
1262 (5)	300.0000	0.00	500	0
1262 (6)	300.0000	0.00	500	0
Aroclor 1262	300.0000	0.00	500	0
1262 (1)	40.0000	0.00	500	0
1262 (2)	40.0000	0.00	500	0
1262 (3)	40.0000	0.00	500	0
1262 (4)	40.0000	0.00	500	0
1262 (5)	40.0000	0.00	500	0
1262 (6)	40.0000	0.00	500	0
Aroclor 1262	40.0000	0.00	500	0
0C26028-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.
1268 (1)	40.0000	0.00	500	0
1268 (2)	40.0000	0.00	500	0
1268 (3)	40.0000	0.00	500	0
1268 (4)	40.0000	0.00	500	0
1268 (5)	40.0000	0.00	500	0
1268 (6)	40.0000	0.00	500	0
Aroclor 1268	40.0000	0.00	500	0
1268 (1)	100.0000	0.00	500	0
1268 (2)	100.0000	0.00	500	0
1268 (3)	100.0000	0.00	500	0
1268 (4)	100.0000	0.00	500	0
1268 (5)	100.0000	0.00	500	0
1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
1268 (1)	100.0000	0.00	500	0
1268 (2)	100.0000	0.00	500	0
1268 (3)	100.0000	0.00	500	0
1268 (4)	100.0000	0.00	500	0
1268 (5)	100.0000	0.00	500	0
1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
Aroclor 1268	0.0000	0.00	500	0
Aroclor 1268	0.0000	0.00	500	0
1268 (1)	300.0000	0.00	500	0
1268 (2)	300.0000	0.00	500	0
1268 (3)	300.0000	0.00	500	0
1268 (4)	300.0000	0.00	500	0
1268 (5)	300.0000	0.00	500	0
1268 (6)	300.0000	0.00	500	0
Aroclor 1268	300.0000	0.00	500	0
1268 (1)	40.0000	0.00	500	0
1268 (2)	40.0000	0.00	500	0

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0C26028

1268 (3)	40.0000	0.00	500	0
1268 (4)	40.0000	0.00	500	0
1268 (5)	40.0000	0.00	500	0
1268 (6)	40.0000	0.00	500	0
Aroclor 1268	40.0000	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 quadratic 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 option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0C2703**

Instrument: **DUALECD6R**

8082 PCBs

Sequence: **0C26028**

Matrix: **Soil**

0C26028-ICV1

Inst. MRL

ICV Level

Result

%Rec.

Qual

Aroclor 1016

20

500

0.00

0

Aroclor 1260

20

500

0.00

0

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.

Data Path : S:\DATA\0C26028\
 Data File : ECD6R005.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:13 am
 Operator : MJB/KAK
 Sample : 0C26028-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:47:43 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.047	15991563	88.965 ng/ml
62) S DCBP (S)	11.367	6352481	81.385 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.720	1417	0.269 ng/ml
3) Aroclor 1016 (2)	7.209	1108	0.131 ng/ml
4) Aroclor 1016 (3)	7.333	807	0.203 ng/ml
5) Aroclor 1016 (4)	7.441	459	0.103 ng/ml
6) Aroclor 1016 (5)	7.474	491	0.102 ng/ml
7) Aroclor 1016 (6)	7.603	621	0.131 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.288f	6922	4.956 ng/ml
10) Aroclor 1221 (2)	6.288	6922	5.290 ng/ml
11) Aroclor 1221 (3)	6.357	304475	72.056 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.357	304475	87.658 ng/ml
14) Aroclor 1232 (2)	6.720	1417	0.686 ng/ml
15) Aroclor 1232 (3)	7.209	1108	0.331 ng/ml
16) Aroclor 1232 (4)	7.441	459	0.320 ng/ml
17) Aroclor 1232 (5)	7.474	491	0.296 ng/ml
18) Aroclor 1232 (6)	7.603	621	0.371 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.720	1417	0.382 ng/ml
21) Aroclor 1242 (2)	7.209	1108	0.177 ng/ml
22) Aroclor 1242 (3)	7.333	807	0.270 ng/ml
23) Aroclor 1242 (4)	7.441	459	0.152 ng/ml
24) Aroclor 1242 (5)	7.474	491	0.146 ng/ml
25) Aroclor 1242 (6)	7.603	621	0.177 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.170	282	0.072 ng/ml
28) Aroclor 1248 (2)	7.441	459	0.088 ng/ml
29) Aroclor 1248 (3)	7.474	491	0.103 ng/ml
30) Aroclor 1248 (4)	7.603	621	0.109 ng/ml
31) Aroclor 1248 (5)	7.974	1506	0.219 ng/ml
32) Aroclor 1248 (6)	8.133	1383	0.234 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.949	1737	0.229 ng/ml
35) Aroclor 1254 (2)	8.133	1383	0.125 ng/ml
36) Aroclor 1254 (3)	8.441	771	0.063 ng/ml
37) Aroclor 1254 (4)	8.689	810	0.098 ng/ml
38) Aroclor 1254 (5)	9.024	1234	0.137 ng/ml
39) Aroclor 1254 (6)	9.259	639	0.251 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.577	696	0.075 ng/ml
42) Aroclor 1260 (2)	8.785	1632	0.149 ng/ml
43) Aroclor 1260 (3)	9.024	1234	0.111 ng/ml
44) Aroclor 1260 (4)	9.573	2162	0.137 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R005.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:13 am
 Operator : MJB/KAK
 Sample : 0C26028-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:47:43 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.878	5392	0.581 ng/ml
46) Aroclor 1260 (6)	10.563	11759	3.240 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.785	1632	0.193 ng/ml
49) Aroclor 1262 (2)	9.089	769	0.067 ng/ml
50) Aroclor 1262 (3)	9.259	639	0.073 ng/ml
51) Aroclor 1262 (4)	9.573	2162	0.121 ng/ml
52) Aroclor 1262 (5)	9.878	5392	0.504 ng/ml
53) Aroclor 1262 (6)	10.563	11759	2.458 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.342	5410	1.103 ng/ml
56) Aroclor 1268 (2)	9.878	5392	0.268 ng/ml
57) Aroclor 1268 (3)	9.961	4143	0.255 ng/ml
58) Aroclor 1268 (4)	10.212	144956	10.363 ng/ml
59) Aroclor 1268 (5)	10.563	11759	2.213 ng/ml
60) Aroclor 1268 (6)	10.984	271399	7.472 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

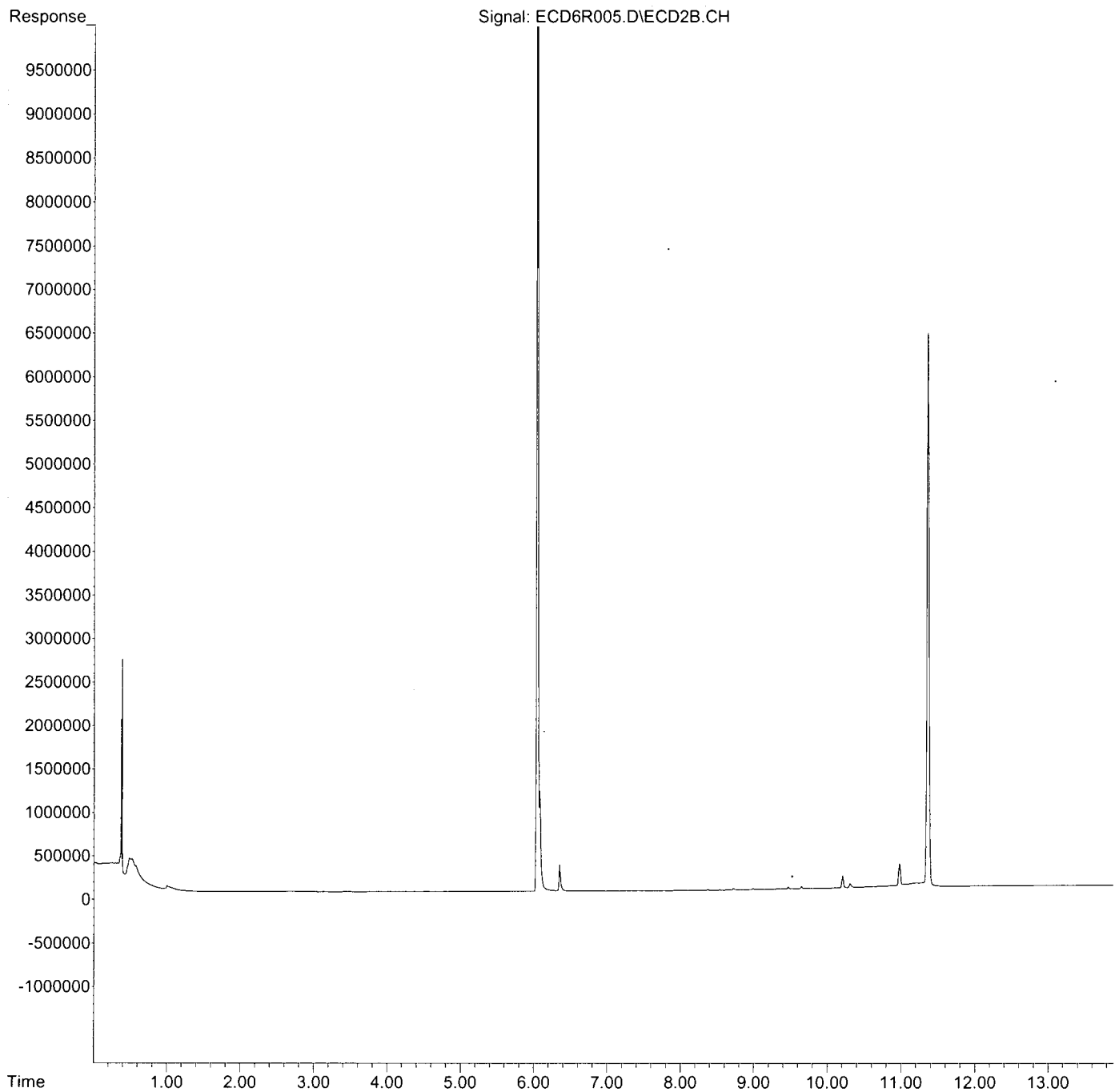
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R005.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 8:13 am
Operator : MJB/KAK
Sample : 0C26028-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:47:43 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R013.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 10:35 am
 Operator : MJB/KAK
 Sample : 0C26028-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:47:53 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature and date: 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.089f	32495	0.181 ng/ml
62) S DCBP (S)	11.363	35724	0.458 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.710	2265	0.430 ng/ml
3) Aroclor 1016 (2)	7.198	10592	1.248 ng/ml
4) Aroclor 1016 (3)	7.355	5535	1.390 ng/ml
5) Aroclor 1016 (4)	7.433	7827	1.757 ng/ml
6) Aroclor 1016 (5)	7.479	8994	1.867 ng/ml
7) Aroclor 1016 (6)	7.606	8435	1.783 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.225	979	0.701 ng/ml
10) Aroclor 1221 (2)	6.294	1005	0.768 ng/ml
11) Aroclor 1221 (3)	6.381	1996	0.472 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.381	1996	0.575 ng/ml
14) Aroclor 1232 (2)	6.710	2265	1.097 ng/ml
15) Aroclor 1232 (3)	7.198	10592	3.169 ng/ml
16) Aroclor 1232 (4)	7.433	7827	5.456 ng/ml
17) Aroclor 1232 (5)	7.479	8994	5.427 ng/ml
18) Aroclor 1232 (6)	7.606	8435	5.040 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.710	2265	0.611 ng/ml
21) Aroclor 1242 (2)	7.226	13186	2.109 ng/ml
22) Aroclor 1242 (3)	7.355	5535	1.852 ng/ml
23) Aroclor 1242 (4)	7.433	7827	2.595 ng/ml
24) Aroclor 1242 (5)	7.479	8994	2.669 ng/ml
25) Aroclor 1242 (6)	7.606	8435	2.406 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.198	10592	2.703 ng/ml
28) Aroclor 1248 (2)	7.433	7827	1.505 ng/ml
29) Aroclor 1248 (3)	7.479	8994	1.890 ng/ml
30) Aroclor 1248 (4)	7.606	8435	1.479 ng/ml
31) Aroclor 1248 (5)	7.973	2762	0.401 ng/ml
32) Aroclor 1248 (6)	8.128	7904	1.340 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.948	4896	0.645 ng/ml
35) Aroclor 1254 (2)	8.128	7904	0.716 ng/ml
36) Aroclor 1254 (3)	8.444	6924	0.569 ng/ml
37) Aroclor 1254 (4)	8.686	6118	0.737 ng/ml
38) Aroclor 1254 (5)	9.024	21212	2.362 ng/ml
39) Aroclor 1254 (6)	9.293	14428	5.670 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.579	15129	1.635 ng/ml
42) Aroclor 1260 (2)	8.785	20359	1.853 ng/ml
43) Aroclor 1260 (3)	9.024	21212	1.912 ng/ml
44) Aroclor 1260 (4)	9.569	26088	1.656 ng/ml

Handwritten note: << MDL

Handwritten note: << MDL

Data Path : S:\DATA\0C26028\
 Data File : ECD6R013.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 10:35 am
 Operator : MJB/KAK
 Sample : 0C26028-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:47:53 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.877	20810	2.244 ng/ml
46) Aroclor 1260 (6)	10.555	18634	5.135 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.785	20359	2.410 ng/ml
49) Aroclor 1262 (2)	9.094	13420	1.170 ng/ml
50) Aroclor 1262 (3)	9.293	14428	1.643 ng/ml
51) Aroclor 1262 (4)	9.569	26088	1.465 ng/ml
52) Aroclor 1262 (5)	9.877	20810	1.944 ng/ml
53) Aroclor 1262 (6)	10.555	18634	3.895 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.338	7632	1.555 ng/ml
56) Aroclor 1268 (2)	9.877	20810	1.036 ng/ml
57) Aroclor 1268 (3)	9.953	15213	0.936 ng/ml
58) Aroclor 1268 (4)	10.215	14759	1.055 ng/ml
59) Aroclor 1268 (5)	10.555	18634	3.507 ng/ml
60) Aroclor 1268 (6)	10.982	18123	0.499 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

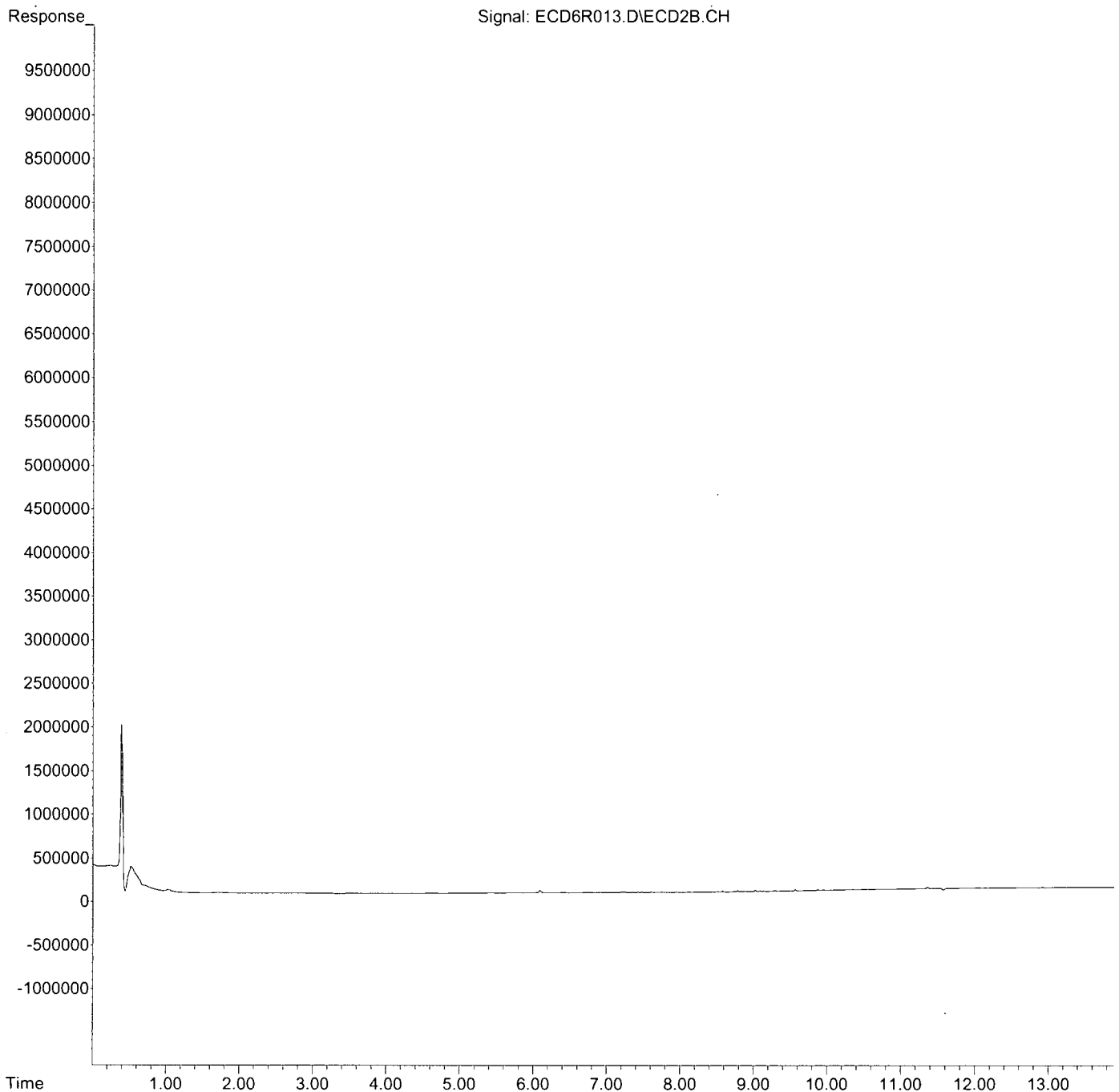
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R013.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 10:35 am
Operator : MJB/KAK
Sample : 0C26028-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:47:53 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R014.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 3:53 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:03 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

3/27/20
1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.044	39031642	217.143	ng/ml
62) S DCBP (S)	11.373	15754863	201.844	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.717	2463487	467.238	ng/ml
3) Aroclor 1016 (2)	7.211	4424614	521.227	ng/ml
4) Aroclor 1016 (3)	7.341	1998099	501.886	ng/ml
5) Aroclor 1016 (4)	7.425	2056547	461.690	ng/ml
6) Aroclor 1016 (5)	7.472	2304132	478.208	ng/ml
7) Aroclor 1016 (6)	7.599	2271626	480.228	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.216	181766	130.134	ng/ml
10) Aroclor 1221 (2)	6.291	333971	255.253	ng/ml
11) Aroclor 1221 (3)	6.379	1593456	377.100	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.379	1593456	458.752	ng/ml
14) Aroclor 1232 (2)	6.717	2463487	1192.765	ng/ml
15) Aroclor 1232 (3)	7.211	4424614	1323.624	ng/ml
16) Aroclor 1232 (4)	7.425	2056547	1433.553	ng/ml
17) Aroclor 1232 (5)	7.472	2304132	1390.224	ng/ml
18) Aroclor 1232 (6)	7.599	2271626	1357.402	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.717	2463487	665.031	ng/ml
21) Aroclor 1242 (2)	7.211	4424614	707.817	ng/ml
22) Aroclor 1242 (3)	7.341	1998099	668.566	ng/ml
23) Aroclor 1242 (4)	7.425	2056547	681.947	ng/ml
24) Aroclor 1242 (5)	7.472	2304132	683.750	ng/ml
25) Aroclor 1242 (6)	7.599	2271626	648.023	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.183	3827599	976.928	ng/ml
28) Aroclor 1248 (2)	7.425	2056547	395.314	ng/ml
29) Aroclor 1248 (3)	7.472	2304132	484.230	ng/ml
30) Aroclor 1248 (4)	7.599	2271626	398.414	ng/ml
31) Aroclor 1248 (5)	7.945	1866114	271.073	ng/ml
32) Aroclor 1248 (6)	8.127	2069863	350.802	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.945	1866114	245.713	ng/ml
35) Aroclor 1254 (2)	8.127	2069863	187.569	ng/ml
36) Aroclor 1254 (3)	8.444	1097823	90.151	ng/ml
37) Aroclor 1254 (4)	8.686	651047	78.405	ng/ml
38) Aroclor 1254 (5)	9.025	6369913	709.366	ng/ml
39) Aroclor 1254 (6)	9.262	648066	254.693	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.579	5053797	546.139	ng/ml
42) Aroclor 1260 (2)	8.787	6091621	554.519	ng/ml
43) Aroclor 1260 (3)	9.025	6369913	574.114	ng/ml
44) Aroclor 1260 (4)	9.572	7656793	485.956	ng/ml

485.080

503.126

Data Path : S:\DATA\0C26028\
 Data File : ECD6R014.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 3:53 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV1
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:03 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.881	4403064	474.759 ng/ml
46) Aroclor 1260 (6)	10.561	1390919	383.270 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.787	6091621	721.104 ng/ml
49) Aroclor 1262 (2)	9.096	3520689	306.894 ng/ml
50) Aroclor 1262 (3)	9.296	3539929	403.163 ng/ml
51) Aroclor 1262 (4)	9.572	7656793	429.977 ng/ml
52) Aroclor 1262 (5)	9.881	4403064	411.252 ng/ml
53) Aroclor 1262 (6)	10.561	1390919	290.745 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.343	240560	49.027 ng/ml
56) Aroclor 1268 (2)	9.881	4403064	219.137 ng/ml
57) Aroclor 1268 (3)	9.956	1459416	89.789 ng/ml
58) Aroclor 1268 (4)	10.216	161563	11.550 ng/ml
59) Aroclor 1268 (5)	10.561	1390919	261.809 ng/ml
60) Aroclor 1268 (6)	10.989	463999	12.775 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

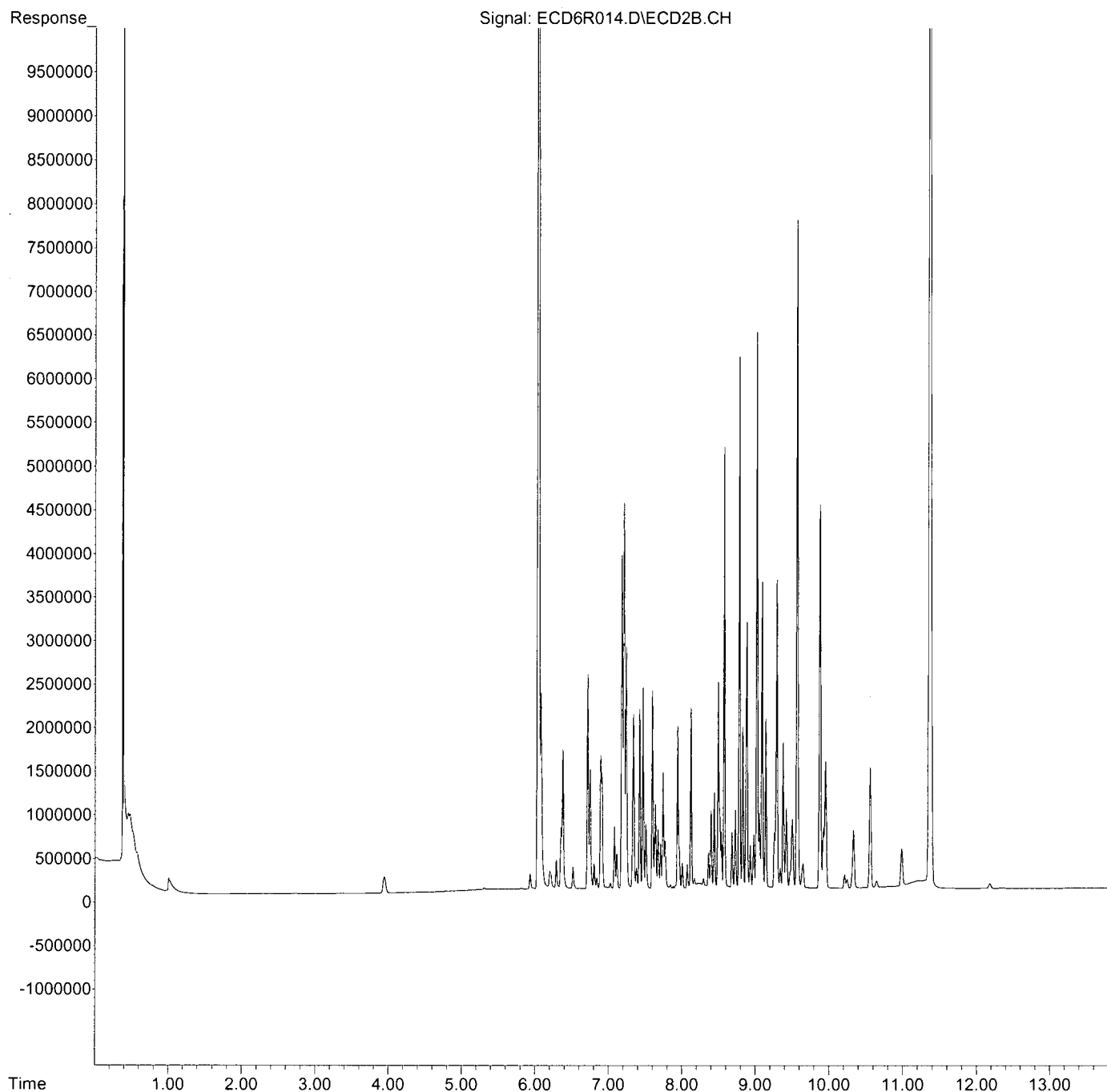
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R014.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 3:53 pm
Operator : MJB/KAK
Sample : 0C26028-ICV1
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:48:03 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R022.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 6:15 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV2
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:12 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.046	7227453	40.208 ng/ml
62) S DCBP (S)	11.366	6285848	80.531 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.718	452772	85.875 ng/ml
3) Aroclor 1016 (2)	7.211	665110	78.351 ng/ml
4) Aroclor 1016 (3)	7.342	296884	74.572 ng/ml
5) Aroclor 1016 (4)	7.425	2402655	539.391 ng/ml
6) Aroclor 1016 (5)	7.471	851604	176.745 ng/ml
7) Aroclor 1016 (6)	7.600	1422895	300.804 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.220	1308323	936.684 ng/ml
10) Aroclor 1221 (2)	6.293	1230478	940.453 ng/ml
11) Aroclor 1221 (3)	6.381	4155774	983.487 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.381	4155774	1196.437 ng/ml
14) Aroclor 1232 (2)	6.718	452772	219.222 ng/ml
15) Aroclor 1232 (3)	7.211	665110	198.968 ng/ml
16) Aroclor 1232 (4)	7.425	2402655	1674.814 ng/ml
17) Aroclor 1232 (5)	7.471	851604	513.825 ng/ml
18) Aroclor 1232 (6)	7.600	1422895	850.246 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.718	452772	122.228 ng/ml
21) Aroclor 1242 (2)	7.211	665110	106.399 ng/ml
22) Aroclor 1242 (3)	7.342	296884	99.338 ng/ml
23) Aroclor 1242 (4)	7.425	2402655	796.716 ng/ml
24) Aroclor 1242 (5)	7.471	851604	252.713 ng/ml
25) Aroclor 1242 (6)	7.600	1422895	405.907 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.184	579050	147.792 ng/ml
28) Aroclor 1248 (2)	7.425	2402655	461.844 ng/ml
29) Aroclor 1248 (3)	7.471	851604	178.971 ng/ml
30) Aroclor 1248 (4)	7.600	1422895	249.557 ng/ml
31) Aroclor 1248 (5)	7.966	2241239	325.563 ng/ml
32) Aroclor 1248 (6)	8.127	5848022	991.128 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.945	3925428	516.865 ng/ml
35) Aroclor 1254 (2)	8.127	5848022	529.941 ng/ml
36) Aroclor 1254 (3)	8.443	5955262	489.032 ng/ml
37) Aroclor 1254 (4)	8.683	4179529	503.338 ng/ml
38) Aroclor 1254 (5)	9.023	4507607	501.976 ng/ml
39) Aroclor 1254 (6)	9.278	1234299	485.087 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.578	2310396	249.673 ng/ml
42) Aroclor 1260 (2)	8.784	2838320	258.372 ng/ml
43) Aroclor 1260 (3)	9.023	4507607	406.266 ng/ml
44) Aroclor 1260 (4)	9.569	703653	44.659 ng/ml

3/27/20
1221, 1254

953.541

504.373

Data Path : S:\DATA\0C26028\
 Data File : ECD6R022.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 6:15 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV2
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:12 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.878	521094	56.187 ng/ml
46) Aroclor 1260 (6)	10.556	44220	12.185 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.784	2838320	335.990 ng/ml
49) Aroclor 1262 (2)	9.094	285853	24.917 ng/ml
50) Aroclor 1262 (3)	9.278	1234299	140.574 ng/ml
51) Aroclor 1262 (4)	9.569	703653	39.515 ng/ml
52) Aroclor 1262 (5)	9.878	521094	48.671 ng/ml
53) Aroclor 1262 (6)	10.556	44220	9.243 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.342	34423	7.016 ng/ml
56) Aroclor 1268 (2)	9.878	521094	25.934 ng/ml
57) Aroclor 1268 (3)	9.951	52353	3.221 ng/ml
58) Aroclor 1268 (4)	10.213	44371	3.172 ng/ml
59) Aroclor 1268 (5)	10.556	44220	8.323 ng/ml
60) Aroclor 1268 (6)	10.984	71652	1.973 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

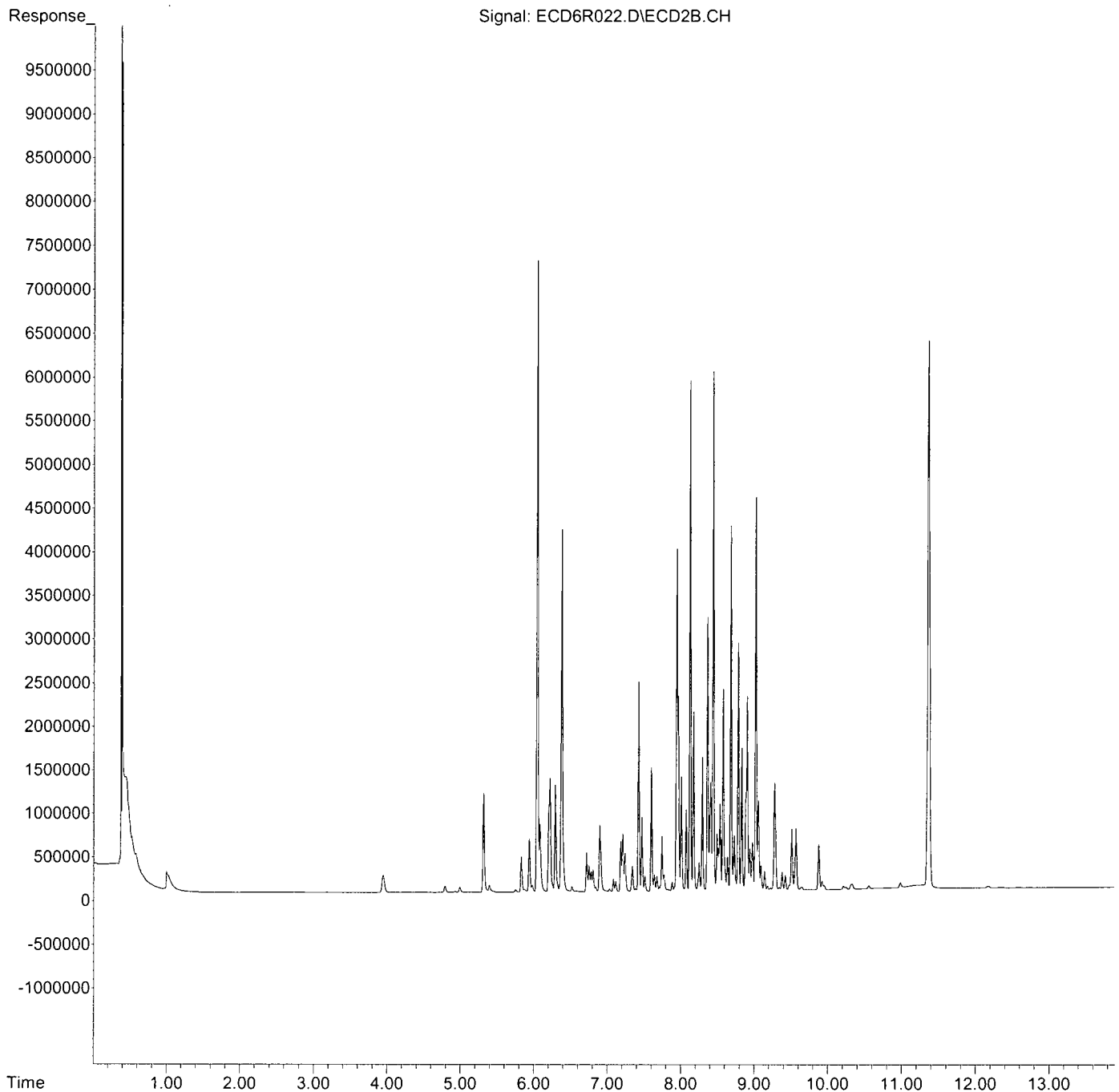
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R022.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 6:15 pm
Operator : MJB/KAK
Sample : 0C26028-ICV2
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:48:12 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R023.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 6:33 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV3
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:21 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Handwritten:
 3/27/20
 1232, 1262

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.043	6848206	38.098 ng/ml
62) S DCBP (S)	11.362	6593780	84.477 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.716	1067264	202.423 ng/ml
3) Aroclor 1016 (2)	7.209	1810403	213.268 ng/ml
4) Aroclor 1016 (3)	7.339	834405	209.588 ng/ml
5) Aroclor 1016 (4)	7.423	801180	179.863 ng/ml
6) Aroclor 1016 (5)	7.470	888429	184.388 ng/ml
7) Aroclor 1016 (6)	7.597	922527	195.025 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.218	414649	296.865 ng/ml
10) Aroclor 1221 (2)	6.291	456377	348.809 ng/ml
11) Aroclor 1221 (3)	6.379	1605832	380.029 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.379	1605832	462.315 ng/ml
14) Aroclor 1232 (2)	6.716	1067264	516.745 ng/ml
15) Aroclor 1232 (3)	7.209	1810403	541.583 ng/ml
16) Aroclor 1232 (4)	7.423	801180	558.477 ng/ml
17) Aroclor 1232 (5)	7.470	888429	536.044 ng/ml
18) Aroclor 1232 (6)	7.597	922527	551.253 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.716	1067264	288.113 ng/ml
21) Aroclor 1242 (2)	7.209	1810403	289.615 ng/ml
22) Aroclor 1242 (3)	7.339	834405	279.193 ng/ml
23) Aroclor 1242 (4)	7.423	801180	265.670 ng/ml
24) Aroclor 1242 (5)	7.470	888429	263.641 ng/ml
25) Aroclor 1242 (6)	7.597	922527	263.168 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.181	1509675	385.318 ng/ml
28) Aroclor 1248 (2)	7.423	801180	154.004 ng/ml
29) Aroclor 1248 (3)	7.470	888429	186.710 ng/ml
30) Aroclor 1248 (4)	7.597	922527	161.799 ng/ml
31) Aroclor 1248 (5)	7.964	1049564	152.460 ng/ml
32) Aroclor 1248 (6)	8.125	1314797	222.833 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.945	1085990	142.993 ng/ml
35) Aroclor 1254 (2)	8.125	1314797	119.145 ng/ml
36) Aroclor 1254 (3)	8.441	520624	42.752 ng/ml
37) Aroclor 1254 (4)	8.682	379247	45.672 ng/ml
38) Aroclor 1254 (5)	9.022	3355589	373.685 ng/ml
39) Aroclor 1254 (6)	9.291	4232199	1663.279 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.577	3589252	387.873 ng/ml
42) Aroclor 1260 (2)	8.783	4264296	388.178 ng/ml
43) Aroclor 1260 (3)	9.022	3355589	302.436 ng/ml
44) Aroclor 1260 (4)	9.567	8793992	558.130 ng/ml

Handwritten: 527.796

Data Path : S:\DATA\0C26028\
 Data File : ECD6R023.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 6:33 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV3
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:21 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.875	5374451	579.499 ng/ml
46) Aroclor 1260 (6)	10.553	2313791	637.568 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.783	4264296	504.792 ng/ml
49) Aroclor 1262 (2)	9.093	5722889	498.857 ng/ml
50) Aroclor 1262 (3)	9.291	4232199	482.006 ng/ml
51) Aroclor 1262 (4)	9.567	8793992	493.838 ng/ml
52) Aroclor 1262 (5)	9.875	5374451	501.981 ng/ml
53) Aroclor 1262 (6)	10.553	2313791	483.654 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.337	630246	128.447 ng/ml
56) Aroclor 1268 (2)	9.875	5374451	267.482 ng/ml
57) Aroclor 1268 (3)	9.950	2937442	180.723 ng/ml
58) Aroclor 1268 (4)	10.208	230011	16.443 ng/ml
59) Aroclor 1268 (5)	10.553	2313791	435.518 ng/ml
60) Aroclor 1268 (6)	10.978	743409	20.468 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

✓ 499.188

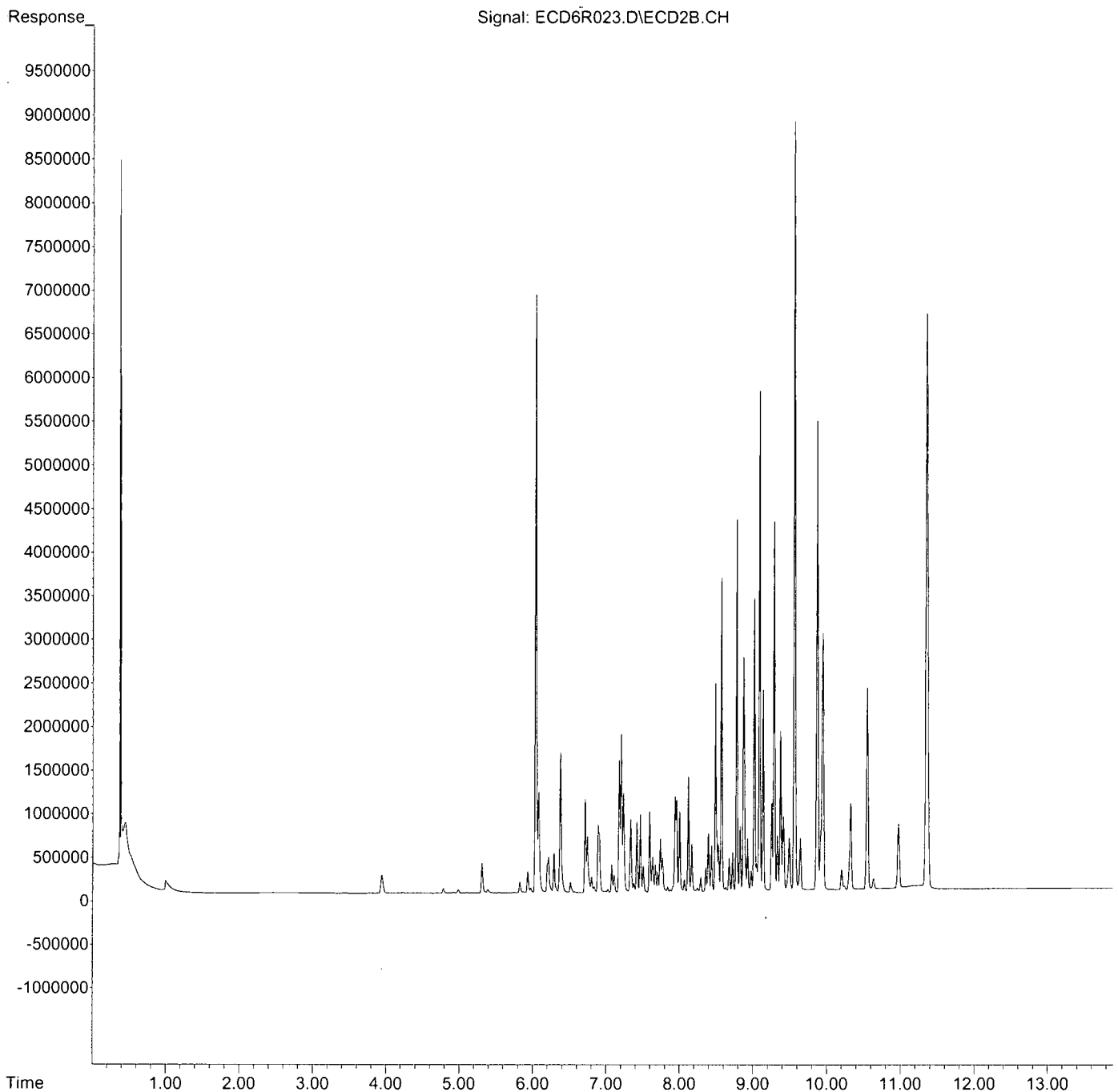
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R023.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 6:33 pm
Operator : MJB/KAK
Sample : 0C26028-ICV3
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:48:21 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R024.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 6:50 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:29 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Handwritten:
 3/27/20
 1242, 1268

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.045	6851966	38.119 ng/ml
62) S DCBP (S)	11.363	3014088	38.615 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.717	1933891	366.792 ng/ml
3) Aroclor 1016 (2)	7.211	3320686	391.182 ng/ml
4) Aroclor 1016 (3)	7.340	1528590	383.954 ng/ml
5) Aroclor 1016 (4)	7.424	1542197	346.220 ng/ml
6) Aroclor 1016 (5)	7.470	1717995	356.559 ng/ml
7) Aroclor 1016 (6)	7.599	1775953	375.441 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.204	164241	117.587 ng/ml
10) Aroclor 1221 (2)	6.292	276312	211.185 ng/ml
11) Aroclor 1221 (3)	6.380	1218601	288.389 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.380	1218601	350.832 ng/ml
14) Aroclor 1232 (2)	6.717	1933891	936.347 ng/ml
15) Aroclor 1232 (3)	7.211	3320686	993.384 ng/ml
16) Aroclor 1232 (4)	7.424	1542197	1075.016 ng/ml
17) Aroclor 1232 (5)	7.470	1717995	1036.571 ng/ml
18) Aroclor 1232 (6)	7.599	1775953	1061.214 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.717	1933891	522.064 ng/ml
21) Aroclor 1242 (2)	7.211	3320686	531.219 ng/ml
22) Aroclor 1242 (3)	7.340	1528590	511.468 ng/ml
23) Aroclor 1242 (4)	7.424	1542197	511.390 ng/ml
24) Aroclor 1242 (5)	7.470	1717995	509.814 ng/ml
25) Aroclor 1242 (6)	7.599	1775953	506.623 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.182	2811773	717.656 ng/ml
28) Aroclor 1248 (2)	7.424	1542197	296.444 ng/ml
29) Aroclor 1248 (3)	7.470	1717995	361.049 ng/ml
30) Aroclor 1248 (4)	7.599	1775953	311.479 ng/ml
31) Aroclor 1248 (5)	7.965	1964109	285.307 ng/ml
32) Aroclor 1248 (6)	8.127	1449510	245.664 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.965	1964109	258.616 ng/ml
35) Aroclor 1254 (2)	8.127	1449510	131.353 ng/ml
36) Aroclor 1254 (3)	8.442	566662	46.533 ng/ml
37) Aroclor 1254 (4)	8.682	368856	44.421 ng/ml
38) Aroclor 1254 (5)	9.024	133636	14.882 ng/ml
39) Aroclor 1254 (6)	9.292	163213	64.144 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.558	107592	11.627 ng/ml
42) Aroclor 1260 (2)	8.783	112498	10.241 ng/ml
43) Aroclor 1260 (3)	9.024	133636	12.044 ng/ml
44) Aroclor 1260 (4)	9.568	1047708	66.495 ng/ml

Handwritten: 515.430

Data Path : S:\DATA\0C26028\
 Data File : ECD6R024.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 6:50 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV4
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:29 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.875	10192423	1098.996 ng/ml
46) Aroclor 1260 (6)	10.554	2689709	741.153 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.783	112498	13.317 ng/ml
49) Aroclor 1262 (2)	9.094	2147378	187.184 ng/ml
50) Aroclor 1262 (3)	9.292	163213	18.588 ng/ml
51) Aroclor 1262 (4)	9.568	1047708	58.835 ng/ml
52) Aroclor 1262 (5)	9.875	10192423	951.985 ng/ml
53) Aroclor 1262 (6)	10.554	2689709	562.233 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.338	2506527	510.841 ng/ml
56) Aroclor 1268 (2)	9.875	10192423	507.269 ng/ml
57) Aroclor 1268 (3)	9.953	8186538	503.667 ng/ml
58) Aroclor 1268 (4)	10.209	6901447	493.377 ng/ml
59) Aroclor 1268 (5)	10.554	2689709	506.276 ng/ml
60) Aroclor 1268 (6)	10.980	17657894	486.169 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

501.267

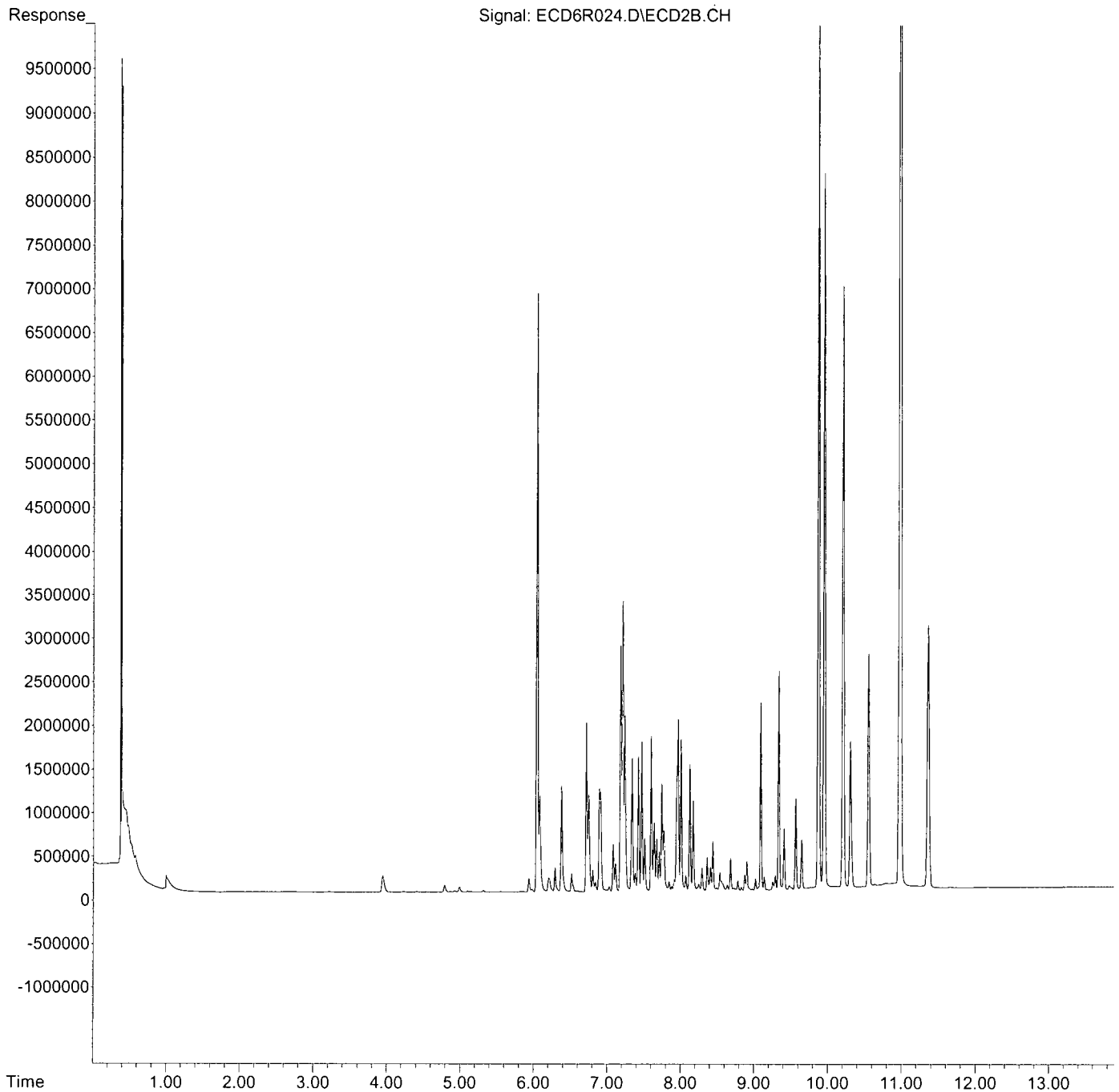
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R024.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 6:50 pm
Operator : MJB/KAK
Sample : 0C26028-ICV4
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:48:29 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R025.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 7:08 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV5
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:38 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 3/27/20
 1248

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.086f	11614	0.065 ng/ml
62) S DCBP (S)	11.365	8323	0.107 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.716	1022689	193.969 ng/ml
3) Aroclor 1016 (2)	7.209	1871956	220.519 ng/ml
4) Aroclor 1016 (3)	7.337	938475	235.728 ng/ml
5) Aroclor 1016 (4)	7.423	2777320	623.502 ng/ml
6) Aroclor 1016 (5)	7.470	2620381	543.844 ng/ml
7) Aroclor 1016 (6)	7.598	3068440	648.676 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	6.217	12222	8.750 ng/ml
10) Aroclor 1221 (2)	6.291	25021	19.123 ng/ml
11) Aroclor 1221 (3)	6.380	142690	33.768 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.380	142690	41.080 ng/ml
14) Aroclor 1232 (2)	6.716	1022689	495.163 ng/ml
15) Aroclor 1232 (3)	7.209	1871956	559.996 ng/ml
16) Aroclor 1232 (4)	7.423	2777320	1935.981 ng/ml
17) Aroclor 1232 (5)	7.470	2620381	1581.036 ng/ml
18) Aroclor 1232 (6)	7.598	3068440	1833.535 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.716	1022689	276.080 ng/ml
21) Aroclor 1242 (2)	7.209	1871956	299.461 ng/ml
22) Aroclor 1242 (3)	7.337	938475	314.015 ng/ml
23) Aroclor 1242 (4)	7.423	2777320	920.954 ng/ml
24) Aroclor 1242 (5)	7.470	2620381	777.597 ng/ml
25) Aroclor 1242 (6)	7.598	3068440	875.328 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	7.182	2078464	530.492 ng/ml
28) Aroclor 1248 (2)	7.423	2777320	533.862 ng/ml
29) Aroclor 1248 (3)	7.470	2620381	550.692 ng/ml
30) Aroclor 1248 (4)	7.598	3068440	538.165 ng/ml
31) Aroclor 1248 (5)	7.965	3931955	571.157 ng/ml
32) Aroclor 1248 (6)	8.126	3205899	543.339 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.948	2605959	343.129 ng/ml
35) Aroclor 1254 (2)	8.126	3205899	290.515 ng/ml
36) Aroclor 1254 (3)	8.441	1831852	150.427 ng/ml
37) Aroclor 1254 (4)	8.682	1230330	148.168 ng/ml
38) Aroclor 1254 (5)	9.021	301876	33.617 ng/ml
39) Aroclor 1254 (6)	9.276	108815	42.765 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.576	223079	24.107 ng/ml
42) Aroclor 1260 (2)	8.782	270587	24.632 ng/ml
43) Aroclor 1260 (3)	9.021	301876	27.208 ng/ml
44) Aroclor 1260 (4)	9.567	57587	3.655 ng/ml

Handwritten: 544.618

Data Path : S:\DATA\0C26028\
 Data File : ECD6R025.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 7:08 pm
 Operator : MJB/KAK
 Sample : 0C26028-ICV5
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:48:38 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.875	42558	4.589 ng/ml
46) Aroclor 1260 (6)	10.553	13424	3.699 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	8.782	270587	32.031 ng/ml
49) Aroclor 1262 (2)	9.093	33614	2.930 ng/ml
50) Aroclor 1262 (3)	9.276	108815	12.393 ng/ml
51) Aroclor 1262 (4)	9.567	57587	3.234 ng/ml
52) Aroclor 1262 (5)	9.875	42558	3.975 ng/ml
53) Aroclor 1262 (6)	10.553	13424	2.806 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	9.338	6014	1.226 ng/ml
56) Aroclor 1268 (2)	9.875	42558	2.118 ng/ml
57) Aroclor 1268 (3)	9.951	15619	0.961 ng/ml
58) Aroclor 1268 (4)	10.210	4012	0.287 ng/ml
59) Aroclor 1268 (5)	10.553	13424	2.527 ng/ml
60) Aroclor 1268 (6)	10.980	12987	0.358 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

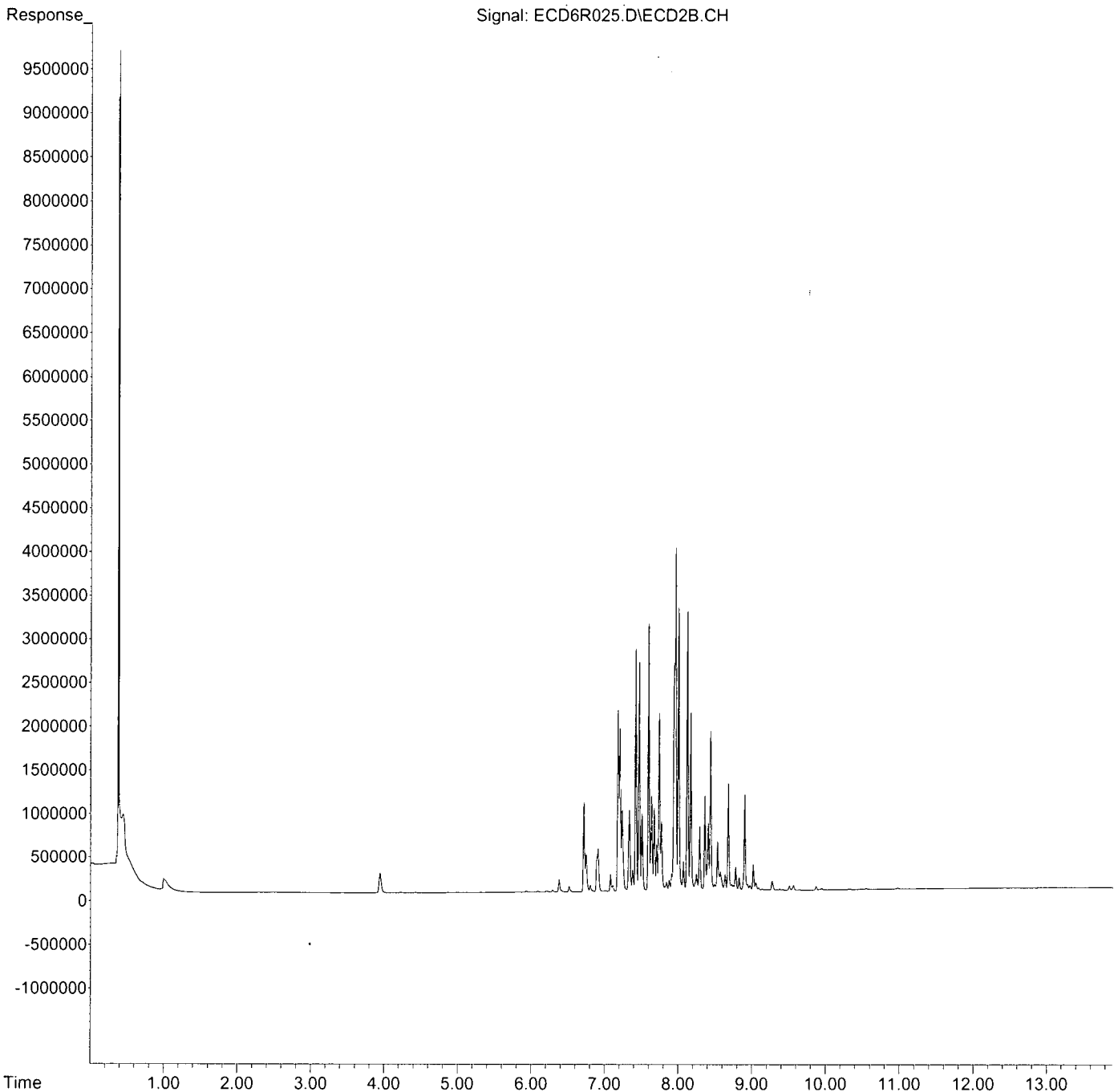
(f) = RT Delta > 1/2 Window

(m) = manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R025.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 7:08 pm
Operator : MJB/KAK
Sample : 0C26028-ICV5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:48:38 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:31 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:40:30 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.047	1784231	9.926 ng/ml ✓
62) S DCBP (S)	11.368	773987	9.916 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.719	129934	24.644 ng/ml
3) Aroclor 1016 (2)	7.213	184239	21.704 ng/ml
4) Aroclor 1016 (3)	7.342	89462	22.471 ng/ml
5) Aroclor 1016 (4)	7.426	110474	24.801 ng/ml ✓
6) Aroclor 1016 (5)	7.473	115737	24.020 ng/ml
7) Aroclor 1016 (6)	7.600	111844	23.644 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.579	210656	22.765 ng/ml
42) Aroclor 1260 (2)	8.785	244022	22.213 ng/ml
43) Aroclor 1260 (3)	9.025	235904	21.262 ng/ml ✓
44) Aroclor 1260 (4)	9.570	325773	20.676 ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:31 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:40:30 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.879	206818	22.300 ng/ml
46) Aroclor 1260 (6)	10.557	84385	23.252 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

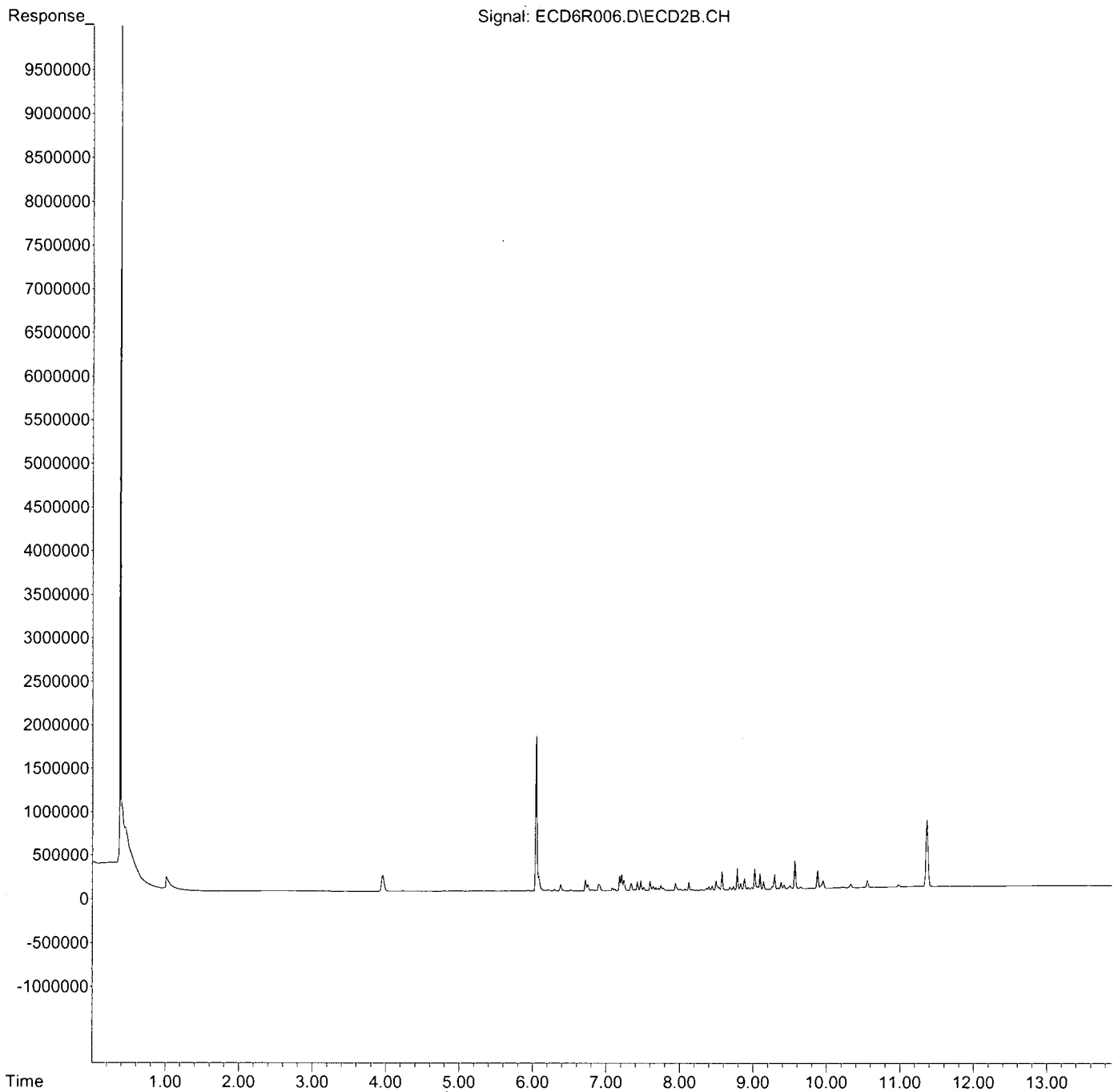
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R006.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 8:31 am
Operator : MJB/KAK
Sample : 0C26028-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:40:30 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:49 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:41:45 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.046	4324556	24.059 ng/ml ✓
62) S DCBP (S)	11.366	1845059	23.638 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.719	280841	53.266 ng/ml
3) Aroclor 1016 (2)	7.212	425522	50.127 ng/ml ✓
4) Aroclor 1016 (3)	7.341	206620	51.899 ng/ml
5) Aroclor 1016 (4)	7.426	240658	54.027 ng/ml
6) Aroclor 1016 (5)	7.473	260088	53.980 ng/ml
7) Aroclor 1016 (6)	7.600	250487	52.954 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.579	476118	51.452 ng/ml
42) Aroclor 1260 (2)	8.785	568739	51.772 ng/ml ✓
43) Aroclor 1260 (3)	9.024	561591	50.616 ng/ml
44) Aroclor 1260 (4)	9.569	773361	49.083 ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:49 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:41:45 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.878	474169	51.127 ng/ml
46) Aroclor 1260 (6)	10.556	192129	52.941 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

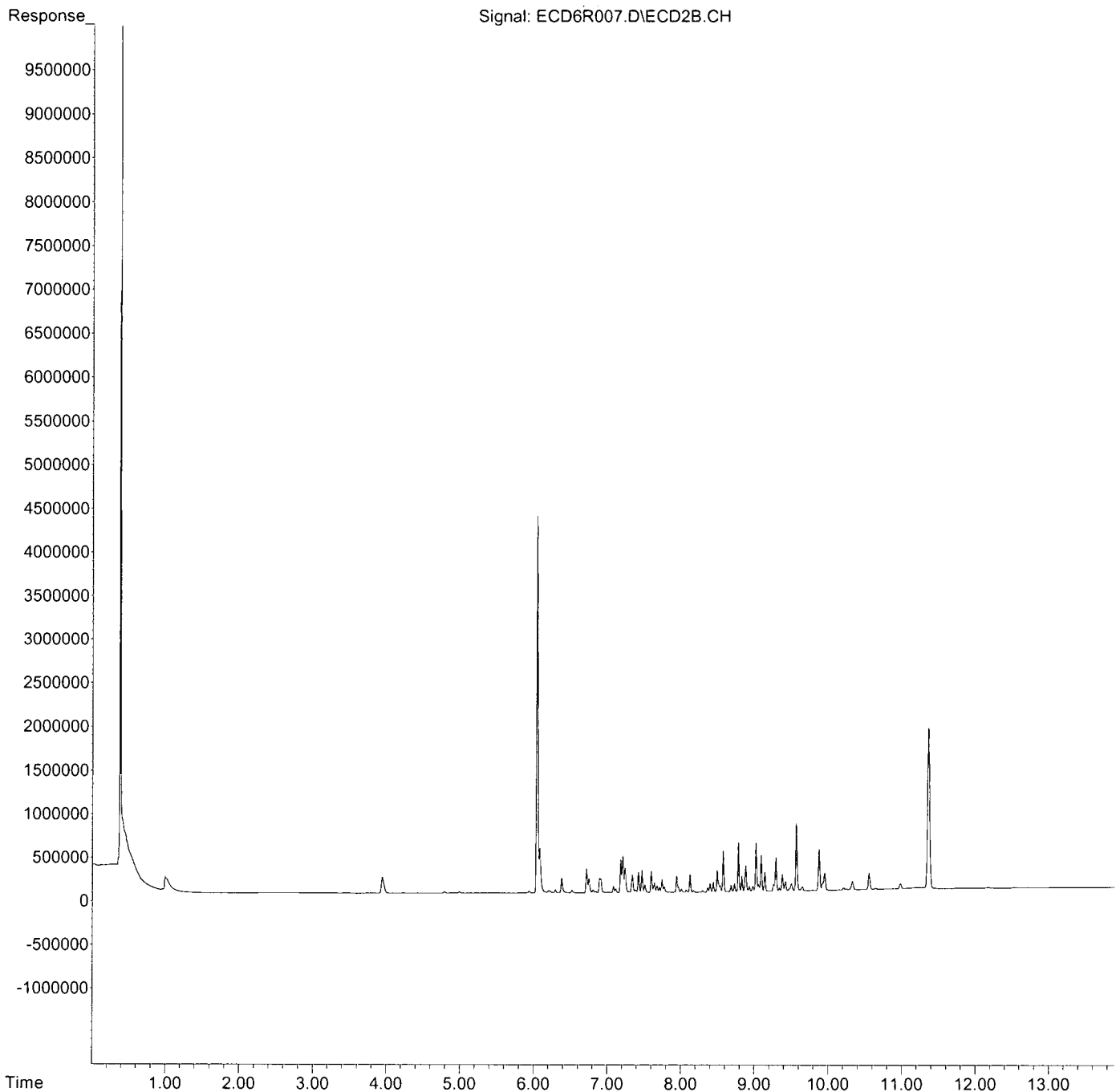
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R007.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 8:49 am
Operator : MJB/KAK
Sample : 0C26028-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:41:45 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:06 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:42:33 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	6.045	8899231	49.509	ng/ml ✓
62) S DCBP (S)	11.363	3862290	49.482	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.718	545267	103.418	ng/ml
3) Aroclor 1016 (2)	7.211	875417	103.126	ng/ml
4) Aroclor 1016 (3)	7.341	403604	101.378	ng/ml
5) Aroclor 1016 (4)	7.425	462428	103.814	ng/ml ✓
6) Aroclor 1016 (5)	7.471	489098	101.509	ng/ml
7) Aroclor 1016 (6)	7.599	484655	102.457	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.578	930309	100.534	ng/ml
42) Aroclor 1260 (2)	8.784	1081904	98.485	ng/ml
43) Aroclor 1260 (3)	9.023	1123973	101.303	ng/ml ✓
44) Aroclor 1260 (4)	9.569	1517057	96.283	ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:06 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:42:33 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.877	918774	99.067 ng/ml
46) Aroclor 1260 (6)	10.555	366025	100.859 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

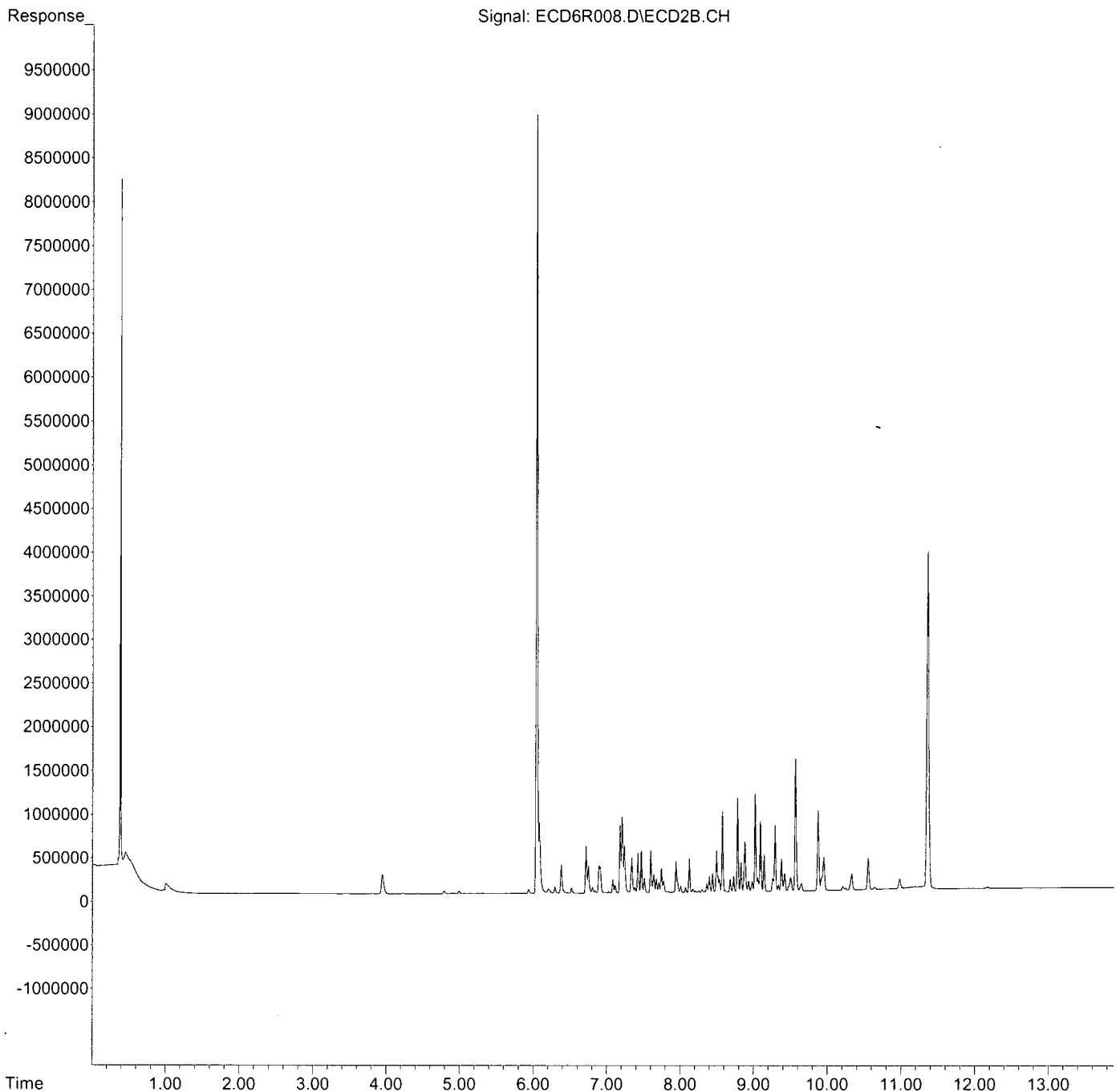
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R008.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:06 am
Operator : MJB/KAK
Sample : 0C26028-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:42:33 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:24 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:43:30 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.046	18599146	103.472	ng/ml ✓
62) S DCBP (S)	11.364	7816417	100.140	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.719	1073793	203.661	ng/ml
3) Aroclor 1016 (2)	7.211	1675564	197.384	ng/ml
4) Aroclor 1016 (3)	7.341	811374	203.802	ng/ml
5) Aroclor 1016 (4)	7.425	863725	193.905	ng/ml ✓
6) Aroclor 1016 (5)	7.471	959370	199.111	ng/ml
7) Aroclor 1016 (6)	7.599	943112	199.376	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.578	1804678	195.023	ng/ml
42) Aroclor 1260 (2)	8.784	2138737	194.689	ng/ml
43) Aroclor 1260 (3)	9.023	2173084	195.858	ng/ml ✓
44) Aroclor 1260 (4)	9.569	3159555	200.528	ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:24 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:43:30 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.877	1834249	197.777 ng/ml
46) Aroclor 1260 (6)	10.555	714372	196.846 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

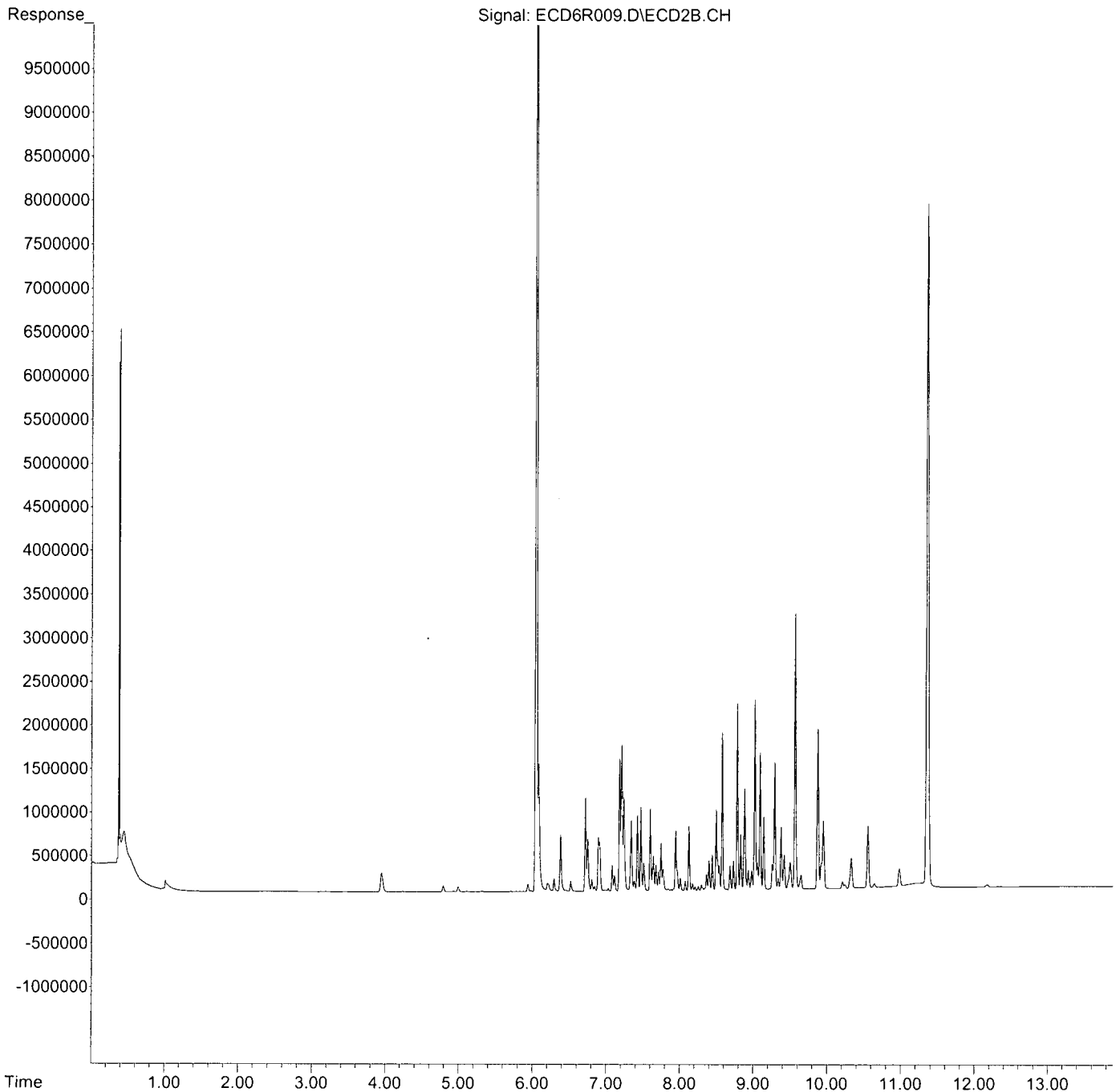
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R009.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:24 am
Operator : MJB/KAK
Sample : 0C26028-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:43:30 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:42 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:44:22 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.047	41344598	230.011	ng/ml ✓
62) S DCBP (S)	11.366	18099581	231.884	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.718	2412248	457.519	ng/ml
3) Aroclor 1016 (2)	7.211	4184879	492.986	ng/ml
4) Aroclor 1016 (3)	7.341	1860769	467.391	ng/ml ✓
5) Aroclor 1016 (4)	7.426	2054194	461.162	ng/ml
6) Aroclor 1016 (5)	7.472	2208429	458.346	ng/ml
7) Aroclor 1016 (6)	7.600	2232359	471.927	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.578	4433137	479.068	ng/ml
42) Aroclor 1260 (2)	8.784	5348705	486.891	ng/ml
43) Aroclor 1260 (3)	9.023	5493009	495.080	ng/ml ✓
44) Aroclor 1260 (4)	9.569	7835995	497.329	ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:42 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:44:22 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.877	4398859	474.306 ng/ml
46) Aroclor 1260 (6)	10.555	1674834	461.503 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

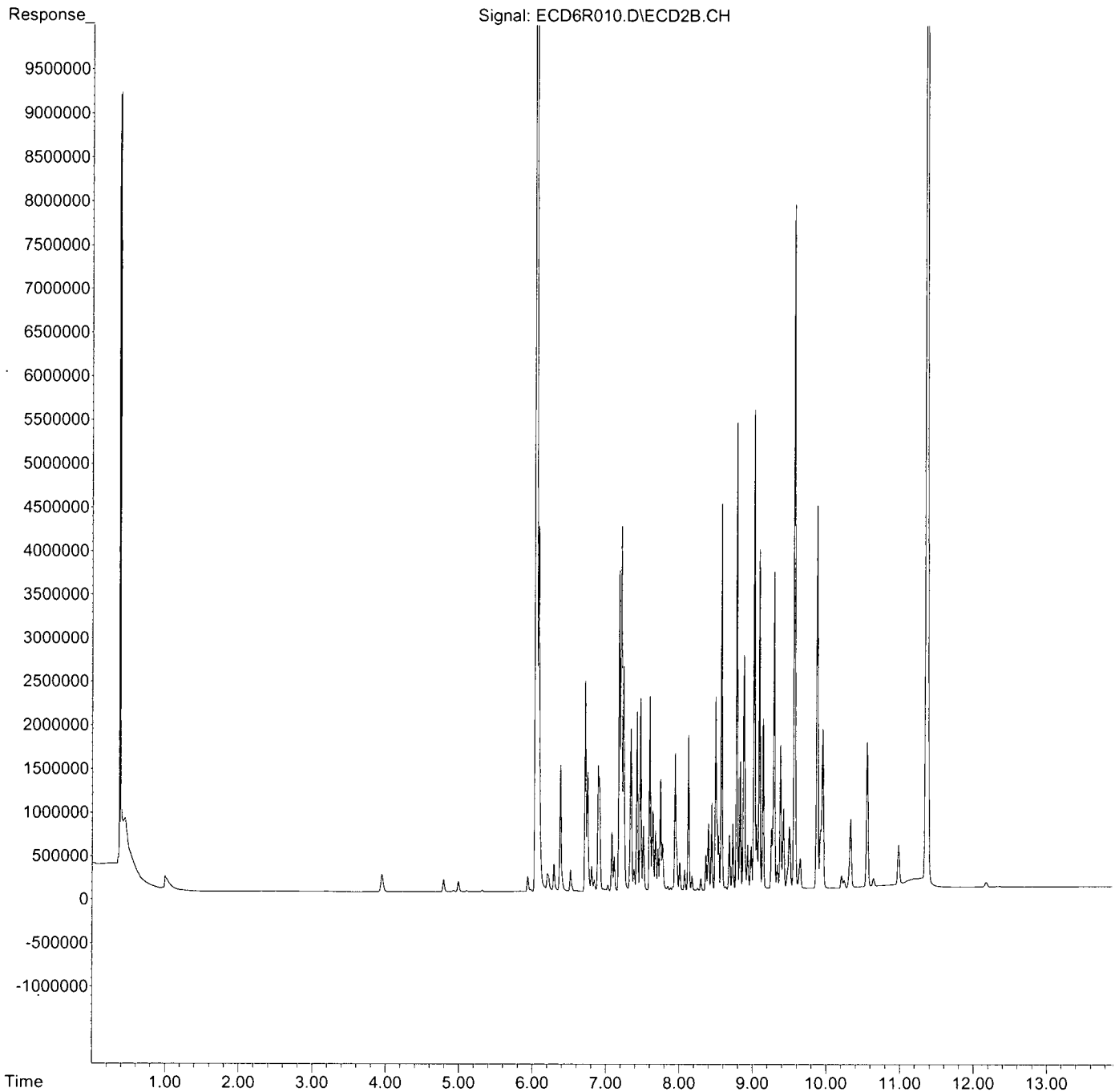
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R010.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:42 am
Operator : MJB/KAK
Sample : 0C26028-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:44:22 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:59 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:45:14 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.048	96365208	536.104	ng/ml ✓
62) S DCBP (S)	11.365	40860271	523.483	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.718	4684538	888.494	ng/ml
3) Aroclor 1016 (2)	7.211	8134966	958.312	ng/ml
4) Aroclor 1016 (3)	7.341	3715053	933.154	ng/ml
5) Aroclor 1016 (4)	7.425	3926225	881.429	ng/ml
6) Aroclor 1016 (5)	7.471	4353008	903.439	ng/ml
7) Aroclor 1016 (6)	7.599	4291383	907.210	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.578	8800369	951.013	ng/ml
42) Aroclor 1260 (2)	8.784	10586268	963.666	ng/ml
43) Aroclor 1260 (3)	9.023	10792979	972.761	ng/ml
44) Aroclor 1260 (4)	9.569	15918290	1010.290	ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:59 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:45:14 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.876	8918793	961.667	ng/ml
46) Aroclor 1260 (6)	10.554	3405025	938.259	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

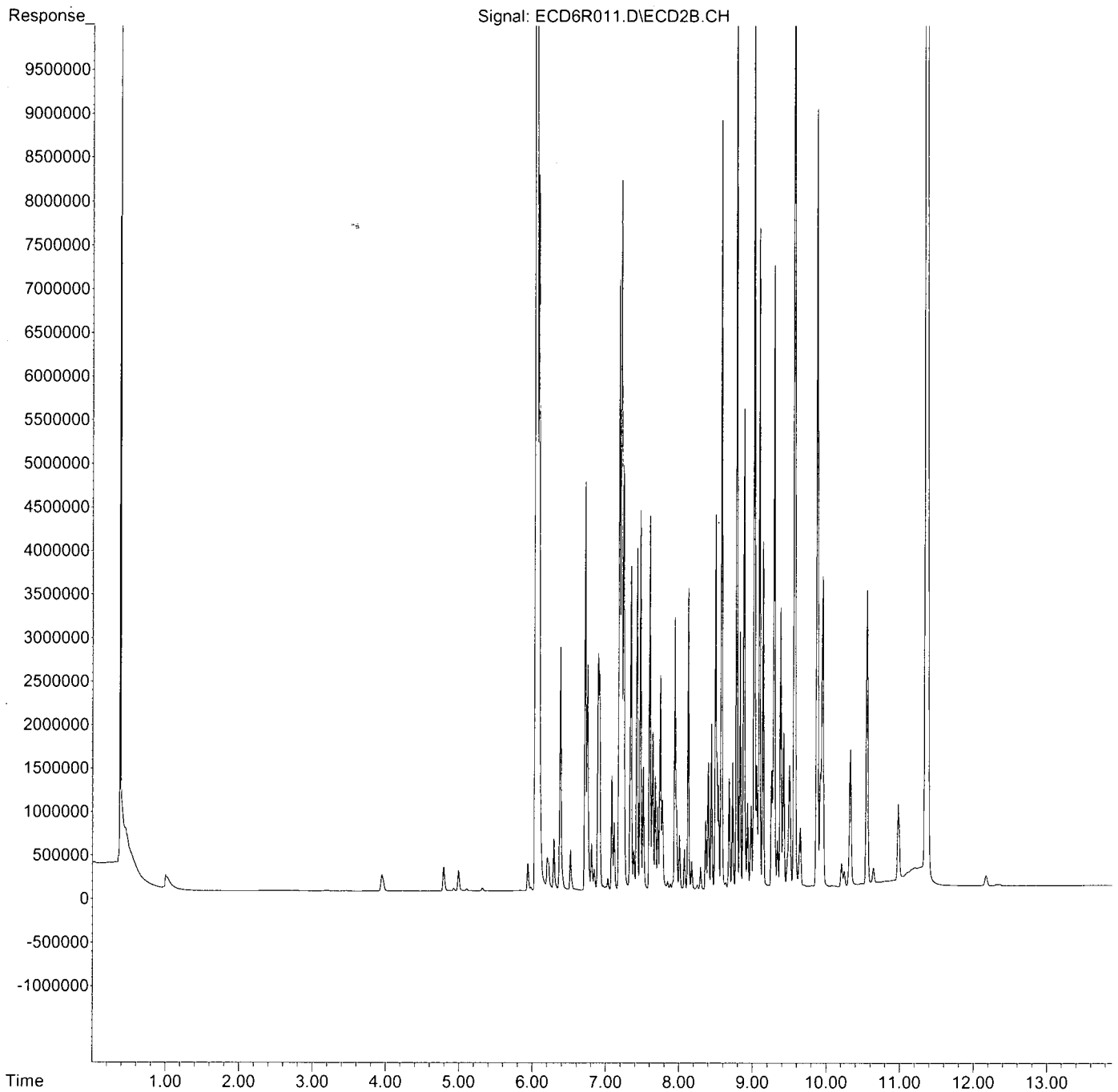
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R011.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:59 am
Operator : MJB/KAK
Sample : 0C26028-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:45:14 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 10:17 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:46:05 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.048	147812600	822.319	ng/ml ✓
62) S DCBP (S)	11.365	68521696	877.869	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.718	6694417	1269.698	ng/ml
3) Aroclor 1016 (2)	7.211	12094241	1424.721	ng/ml
4) Aroclor 1016 (3)	7.340	5599877	1406.588	ng/ml
5) Aroclor 1016 (4)	7.425	5799432	1301.960	ng/ml
6) Aroclor 1016 (5)	7.471	6422322	1332.912	ng/ml
7) Aroclor 1016 (6)	7.599	6288012	1329.303	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.578	13091180	1414.701	ng/ml
42) Aroclor 1260 (2)	8.784	15788416	1437.216	ng/ml ✓
43) Aroclor 1260 (3)	9.023	16132878	1454.041	ng/ml
44) Aroclor 1260 (4)	9.569	23967955	1521.180	ng/ml

Data Path : S:\DATA\0C26028\requant\
 Data File : ECD6R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 10:17 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:46:05 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:36:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.877	13530536	1458.927	ng/ml
46) Aroclor 1260 (6)	10.554	5032438	1386.695	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

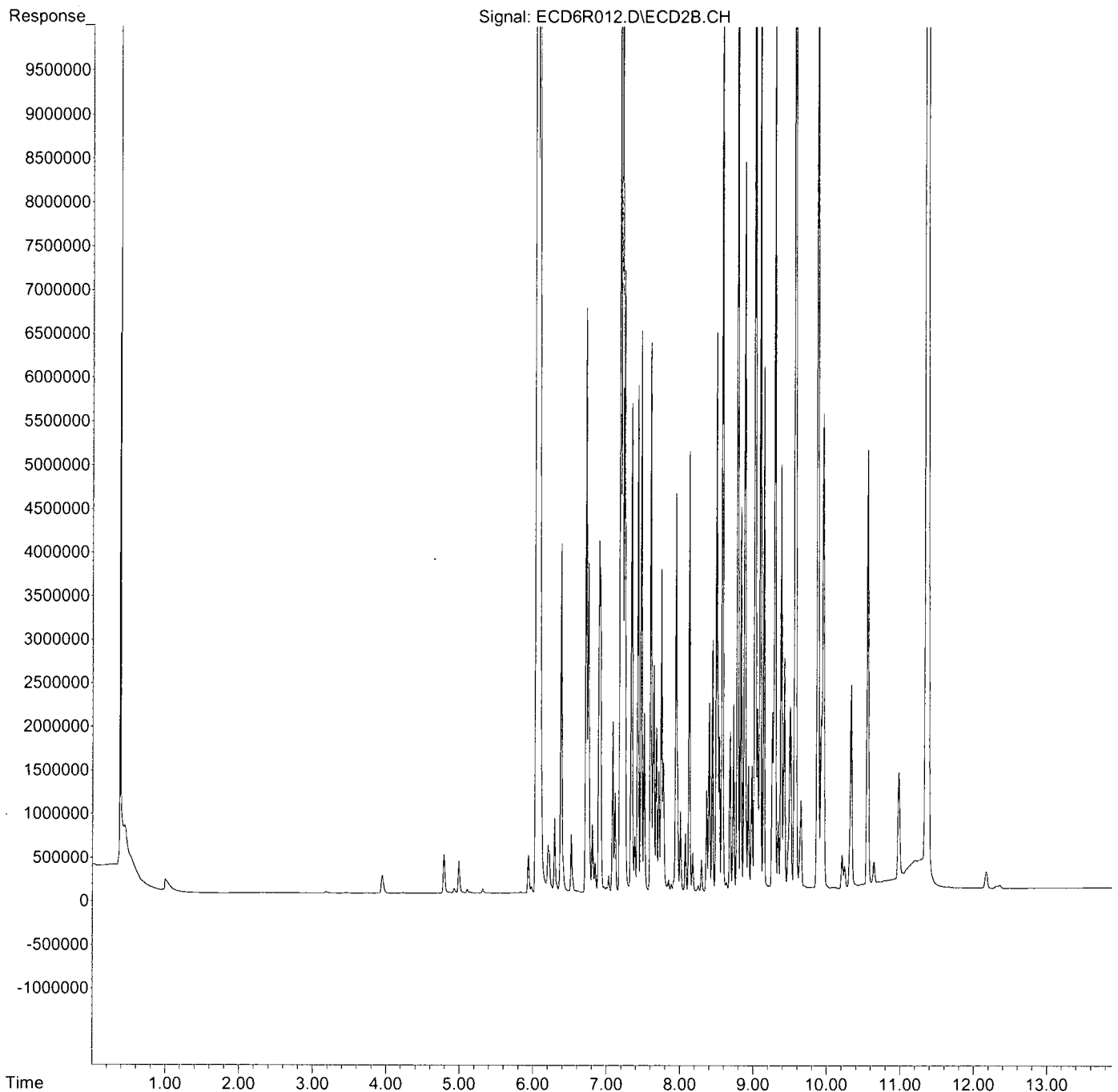
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\requant\
Data File : ECD6R012.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 10:17 am
Operator : MJB/KAK
Sample : 0C26028-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:46:05 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:36:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
1	Vial 1	Isooctane	E6A71717	1	Sample		
2	Vial 1	Isooctane	E6A71717	1	Sample		
3	Vial 2	0C26027-CCV1	E6A71717	1	Sample		
4	Vial 3	0C26027-CCB1	E6A71717	1	Sample		
5	Vial 1	Isooctane	E6A71717	1	Sample		
6	Vial 3	0C26027-ICB1	E6A71717	1	Sample		
7	Vial 4	0C26027-CAL1	E6A71717	1	Sample		
8	Vial 5	0C26027-CAL2	E6A71717	1	Sample		
9	Vial 6	0C26027-CAL3	E6A71717	1	Sample		
10	Vial 7	0C26027-CAL4	E6A71717	1	Sample		
11	Vial 8	0C26027-CAL5	E6A71717	1	Sample		
12	Vial 9	0C26027-CAL6	E6A71717	1	Sample		
13	Vial 10	0C26027-CAL7	E6A71717	1	Sample		
14	Vial 1	0C26027-IBL1	E6A71717	1	Sample		
15	Vial 11	0C26027-ICV1	E6A71717	1	Sample		
16	Vial 12	0C26027-CAL8	E6A71717	1	Sample		
17	Vial 13	0C26027-CAL9	E6A71717	1	Sample		
18	Vial 14	0C26027-CALA	E6A71717	1	Sample		
19	Vial 15	0C26027-CALB	E6A71717	1	Sample		
20	Vial 16	0C26027-CALC	E6A71717	1	Sample		
21	Vial 17	0C26027-CALD	E6A71717	1	Sample		
22	Vial 18	0C26027-CALE	E6A71717	1	Sample		
23	Vial 19	0C26027-ICV2	E6A71717	1	Sample		
24	Vial 20	0C26027-ICV3	E6A71717	1	Sample		
25	Vial 21	0C26027-ICV4	E6A71717	1	Sample		
26	Vial 22	0C26027-ICV5	E6A71717	1	Sample		

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
1	Vial 51	Isooctane	E6A71717	1	Sample		
2	Vial 52	0C26028-CCV1	E6A71717	1	Sample		
3	Vial 53	0C26028-CCB1	E6A71717	1	Sample		
4	Vial 51	Isooctane	E6A71717	1	Sample		
5	Vial 53	0C26028-ICB1	E6A71717	1	Sample		
6	Vial 4	0C26028-CAL1	E6A71717	1	Sample		
7	Vial 5	0C26028-CAL2	E6A71717	1	Sample		
8	Vial 6	0C26028-CAL3	E6A71717	1	Sample		
9	Vial 7	0C26028-CAL4	E6A71717	1	Sample		
10	Vial 8	0C26028-CAL5	E6A71717	1	Sample		
11	Vial 9	0C26028-CAL6	E6A71717	1	Sample		
12	Vial 10	0C26028-CAL7	E6A71717	1	Sample		
13	Vial 51	0C26028-IBL1	E6A71717	1	Sample		
14	Vial 11	0C26028-ICV1	E6A71717	1	Sample		
15	Vial 12	0C26028-CAL8	E6A71717	1	Sample		
16	Vial 13	0C26028-CAL9	E6A71717	1	Sample		
17	Vial 14	0C26028-CALA	E6A71717	1	Sample		
18	Vial 15	0C26028-CALB	E6A71717	1	Sample		
19	Vial 16	0C26028-CALC	E6A71717	1	Sample		
20	Vial 17	0C26028-CALD	E6A71717	1	Sample		
21	Vial 18	0C26028-CALE	E6A71717	1	Sample		
22	Vial 19	0C26028-ICV2	E6A71717	1	Sample		
23	Vial 20	0C26028-ICV3	E6A71717	1	Sample		

Handwritten signature and date: 3/26/20

Sequence: C:\HPCHEM\1\SEQUENCE\0C25000.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
24	Vial 21	0C26028-ICV4	E6A71717	1	Sample		
25	Vial 22	0C26028-ICV5	E6A71717	1	Sample		
26	Vial 51	Isoocane	E6A71717	1	Sample		

Data Path : S:\DATA\0C26028\
 Data File : ECD6R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:31 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:45:11 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.047	1784231	10.533 ng/ml
62) S DCBP (S)	11.368	773987	11.720 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.719	129934	25.373 ng/ml
3) Aroclor 1016 (2)	7.213	184239	20.856 ng/ml
4) Aroclor 1016 (3)	7.342	89462	21.817 ng/ml
5) Aroclor 1016 (4)	7.426	110474	26.887 ng/ml
6) Aroclor 1016 (5)	7.473	115737	25.613 ng/ml
7) Aroclor 1016 (6)	7.600	111844	25.172 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.579	210656	25.576 ng/ml
42) Aroclor 1260 (2)	8.785	244022	24.167 ng/ml
43) Aroclor 1260 (3)	9.025	235904	23.686 ng/ml
44) Aroclor 1260 (4)	9.570	325773	23.045 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:31 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:45:11 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.879	206818	24.738	ng/ml
46) Aroclor 1260 (6)	10.557	84385	25.107	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

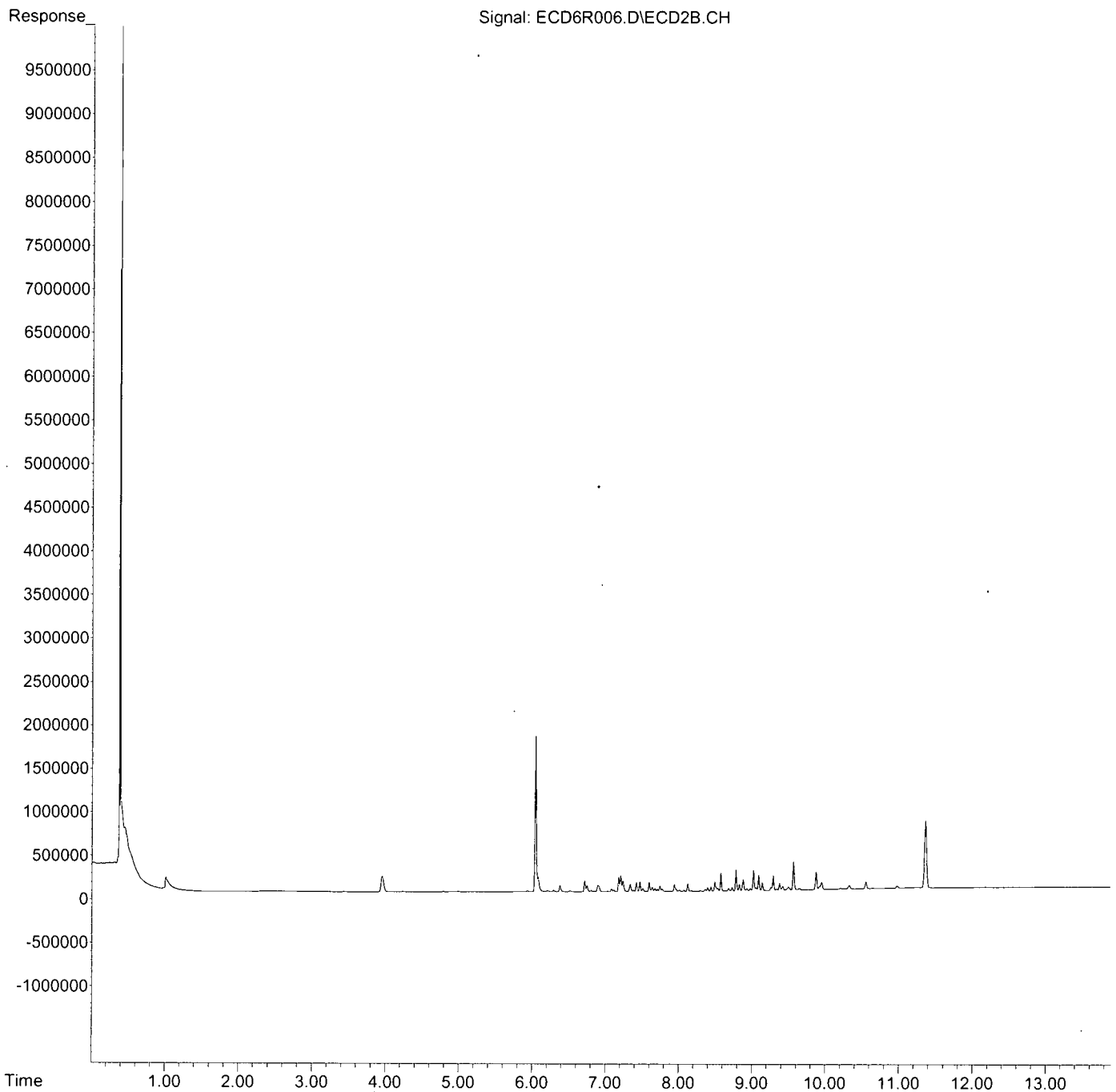
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R006.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 8:31 am
Operator : MJB/KAK
Sample : 0C26028-CAL1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:45:11 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Thu Feb 13 14:31:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:49 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:50:13 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.046	4324556	25.530 ng/ml
62) S DCBP (S)	11.366	1845059	27.937 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.719	280841	54.842 ng/ml
3) Aroclor 1016 (2)	7.212	425522	48.170 ng/ml
4) Aroclor 1016 (3)	7.341	206620	50.389 ng/ml
5) Aroclor 1016 (4)	7.426	240658	58.572 ng/ml
6) Aroclor 1016 (5)	7.473	260088	57.559 ng/ml
7) Aroclor 1016 (6)	7.600	250487	56.374 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.579	476118	57.807 ng/ml
42) Aroclor 1260 (2)	8.785	568739	56.327 ng/ml
43) Aroclor 1260 (3)	9.024	561591	56.386 ng/ml
44) Aroclor 1260 (4)	9.569	773361	54.707 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 8:49 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL2
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:50:13 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.878	474169	56.716 ng/ml
46) Aroclor 1260 (6)	10.556	192129	57.164 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

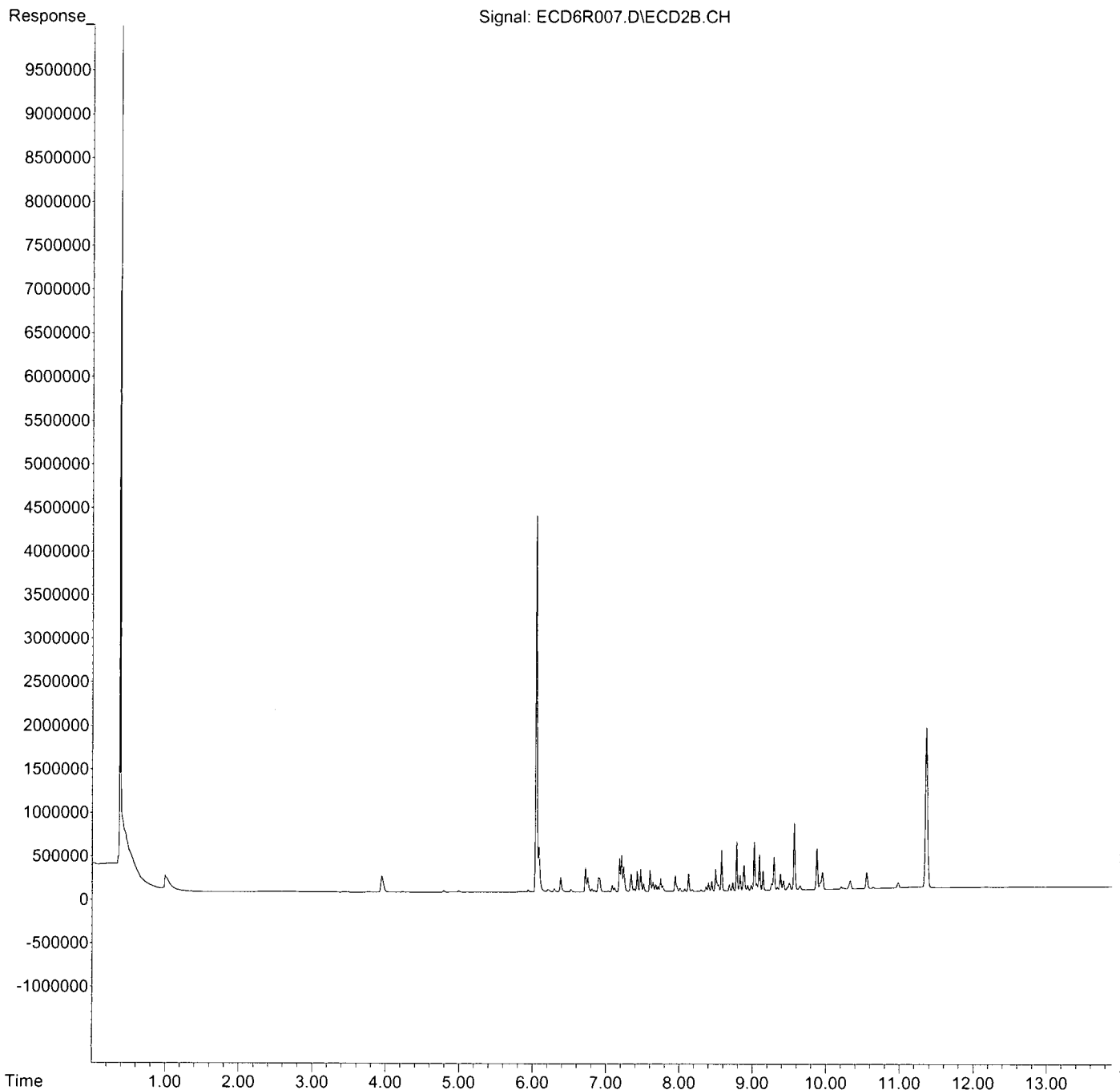
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R007.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 8:49 am
Operator : MJB/KAK
Sample : 0C26028-CAL2
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:50:13 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Thu Feb 13 14:31:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:06 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:51:14 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.045	8899231	52.537 ng/ml
62) S DCBP (S)	11.363	3862290	58.482 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.718	545267	106.479 ng/ml
3) Aroclor 1016 (2)	7.211	875417	99.098 ng/ml
4) Aroclor 1016 (3)	7.341	403604	98.429 ng/ml
5) Aroclor 1016 (4)	7.425	462428	112.547 ng/ml
6) Aroclor 1016 (5)	7.471	489098	108.239 ng/ml
7) Aroclor 1016 (6)	7.599	484655	109.076 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.578	930309	112.951 ng/ml
42) Aroclor 1260 (2)	8.784	1081904	107.149 ng/ml
43) Aroclor 1260 (3)	9.023	1123973	112.851 ng/ml
44) Aroclor 1260 (4)	9.569	1517057	107.315 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:06 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL3
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:51:14 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (5)	9.877	918774	109.895 ng/ml
46) Aroclor 1260 (6)	10.555	366025	108.902 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

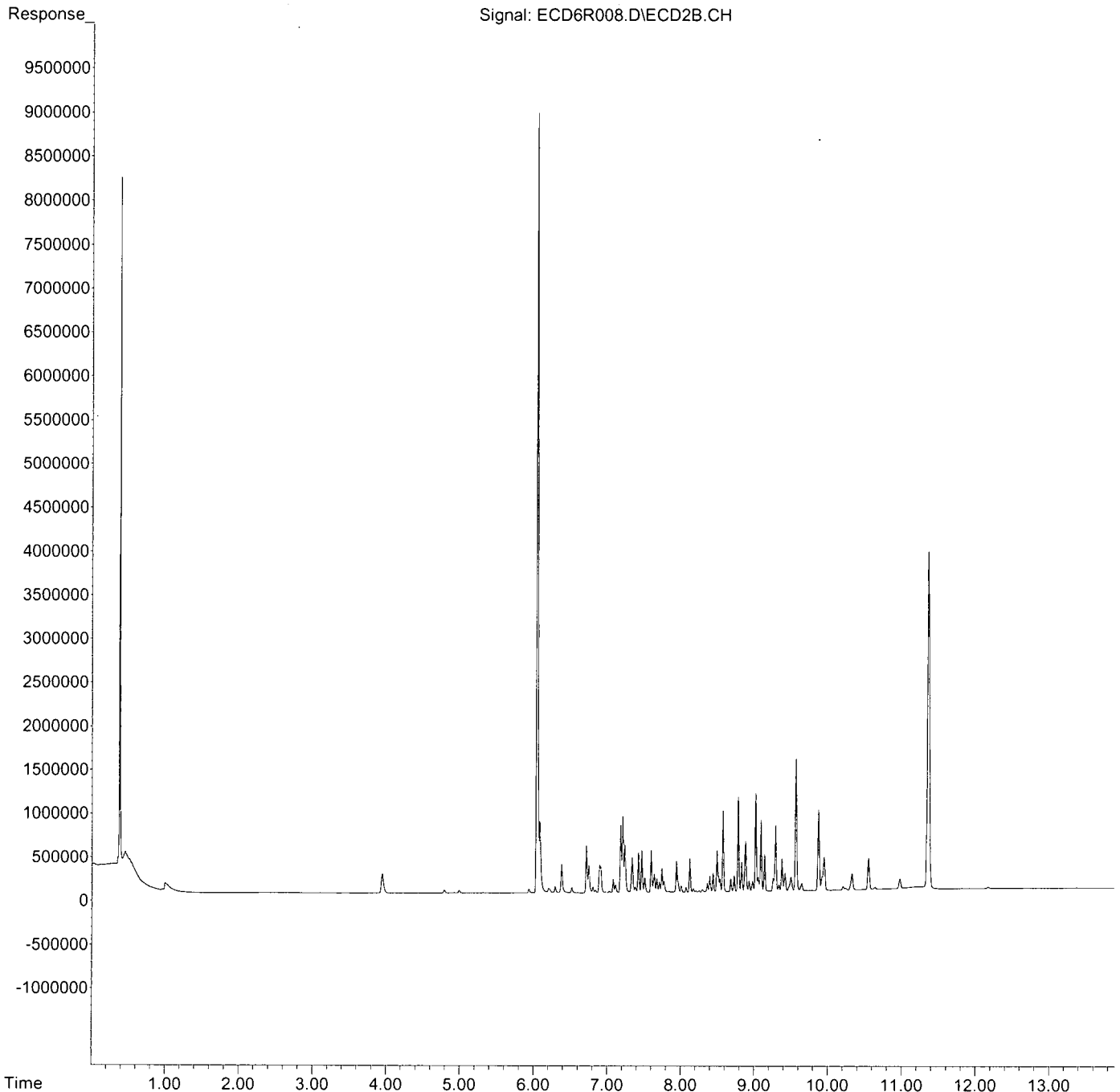
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R008.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:06 am
Operator : MJB/KAK
Sample : 0C26028-CAL3
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:51:14 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Thu Feb 13 14:31:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:24 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:52:17 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 02/22/20
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.046	18599146	109.801 ng/ml
62) S DCBP (S)	11.364	7816417	118.354 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.719	1073793	209.688 ng/ml
3) Aroclor 1016 (2)	7.211	1675564	189.676 ng/ml
4) Aroclor 1016 (3)	7.341	811374	197.873 ng/ml
5) Aroclor 1016 (4)	7.425	863725	210.215 ng/ml
6) Aroclor 1016 (5)	7.471	959370	212.312 ng/ml
7) Aroclor 1016 (6)	7.599	943112	212.256 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.578	1804678	219.110 ng/ml
42) Aroclor 1260 (2)	8.784	2138737	211.816 ng/ml
43) Aroclor 1260 (3)	9.023	2173084	218.185 ng/ml
44) Aroclor 1260 (4)	9.569	3159555	223.504 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:24 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL4
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:52:17 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.877	1834249	219.395	ng/ml
46) Aroclor 1260 (6)	10.555	714372	212.545	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

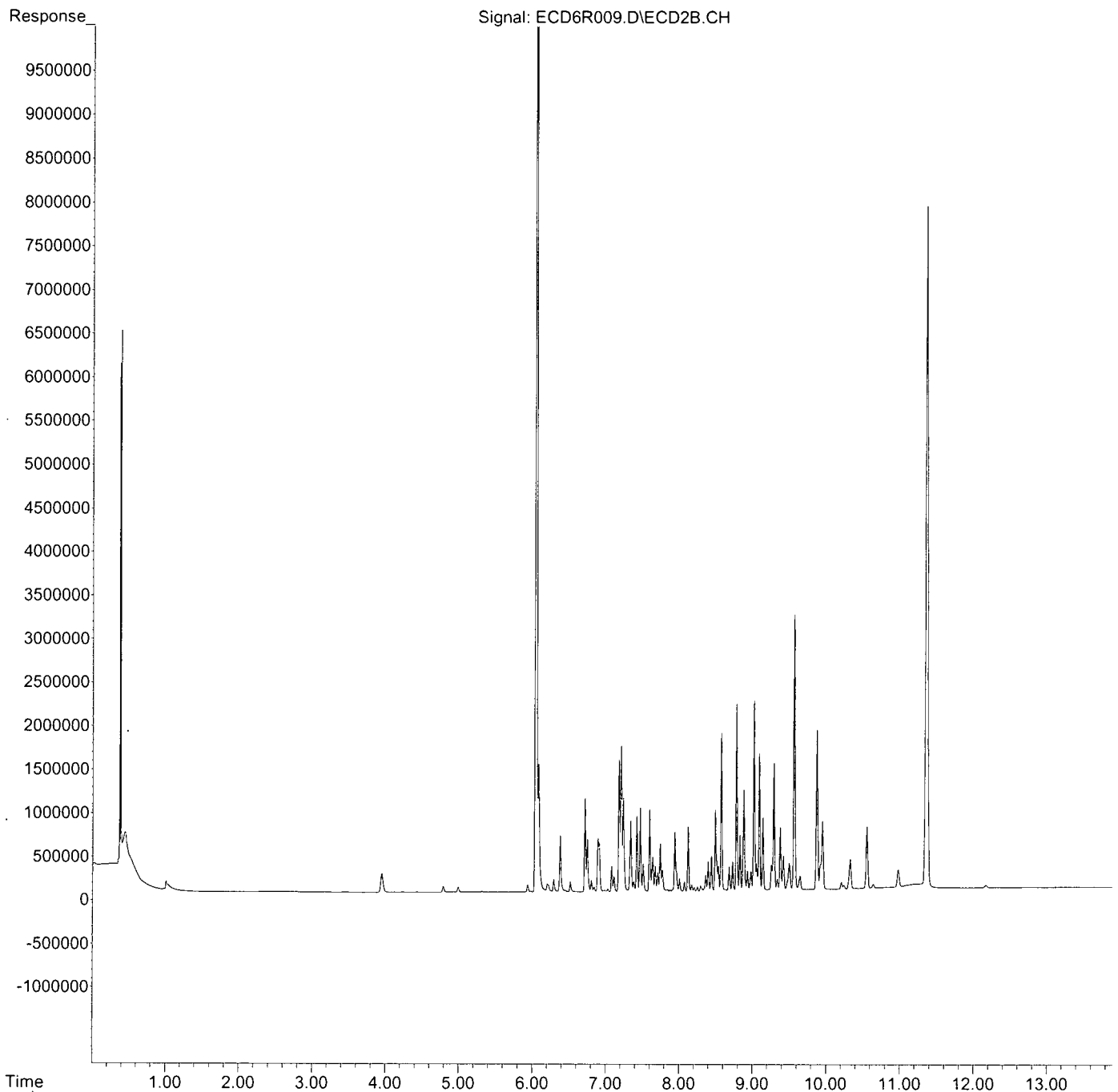
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R009.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:24 am
Operator : MJB/KAK
Sample : 0C26028-CAL4
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:52:17 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Thu Feb 13 14:31:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:42 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:43:58 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 08:42:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	6.047	41344598	244.080 ng/ml
62) S DCBP (S)	11.366	18099581	274.060 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.718	2412248	471.060 ng/ml
3) Aroclor 1016 (2)	7.211	4184879	473.734 ng/ml
4) Aroclor 1016 (3)	7.341	1860769	453.793 ng/ml
5) Aroclor 1016 (4)	7.426	2054194	499.954 ng/ml
6) Aroclor 1016 (5)	7.472	2208429	488.735 ng/ml
7) Aroclor 1016 (6)	7.600	2232359	502.413 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.578	4433137	538.237 ng/ml
42) Aroclor 1260 (2)	8.784	5348705	529.723 ng/ml
43) Aroclor 1260 (3)	9.023	5493009	551.516 ng/ml
44) Aroclor 1260 (4)	9.569	7835995	574.312 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:42 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL5
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:43:58 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 08:42:57 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.877	4398859	526.149	ng/ml
46) Aroclor 1260 (6)	10.555	1674834	498.308	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

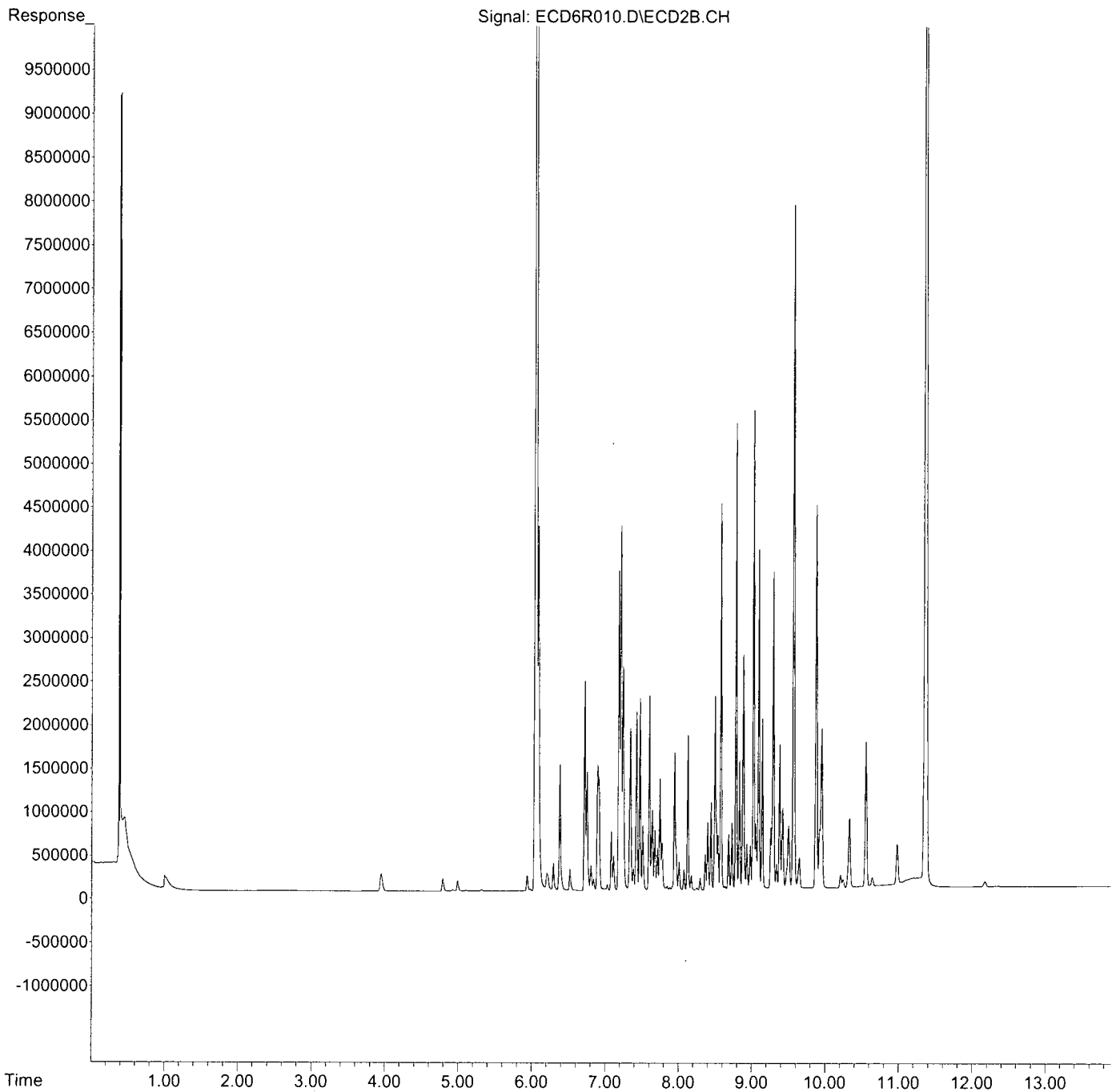
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R010.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:42 am
Operator : MJB/KAK
Sample : 0C26028-CAL5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:43:58 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 08:42:57 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:59 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:53:44 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	6.048	96365208	568.896 ng/ml
62) S DCBP (S)	11.365	40860271	618.697 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.718	4684538	914.789 ng/ml
3) Aroclor 1016 (2)	7.211	8134966	920.889 ng/ml
4) Aroclor 1016 (3)	7.341	3715053	906.004 ng/ml
5) Aroclor 1016 (4)	7.425	3926225	955.572 ng/ml
6) Aroclor 1016 (5)	7.471	4353008	963.339 ng/ml
7) Aroclor 1016 (6)	7.599	4291383	965.816 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.578	8800369	1068.473 ng/ml
42) Aroclor 1260 (2)	8.784	10586268	1048.439 ng/ml
43) Aroclor 1260 (3)	9.023	10792979	1083.651 ng/ml
44) Aroclor 1260 (4)	9.569	15918290	1126.046 ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 9:59 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL6
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:53:44 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.876	8918793	1066.780	ng/ml
46) Aroclor 1260 (6)	10.554	3405025	1013.085	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

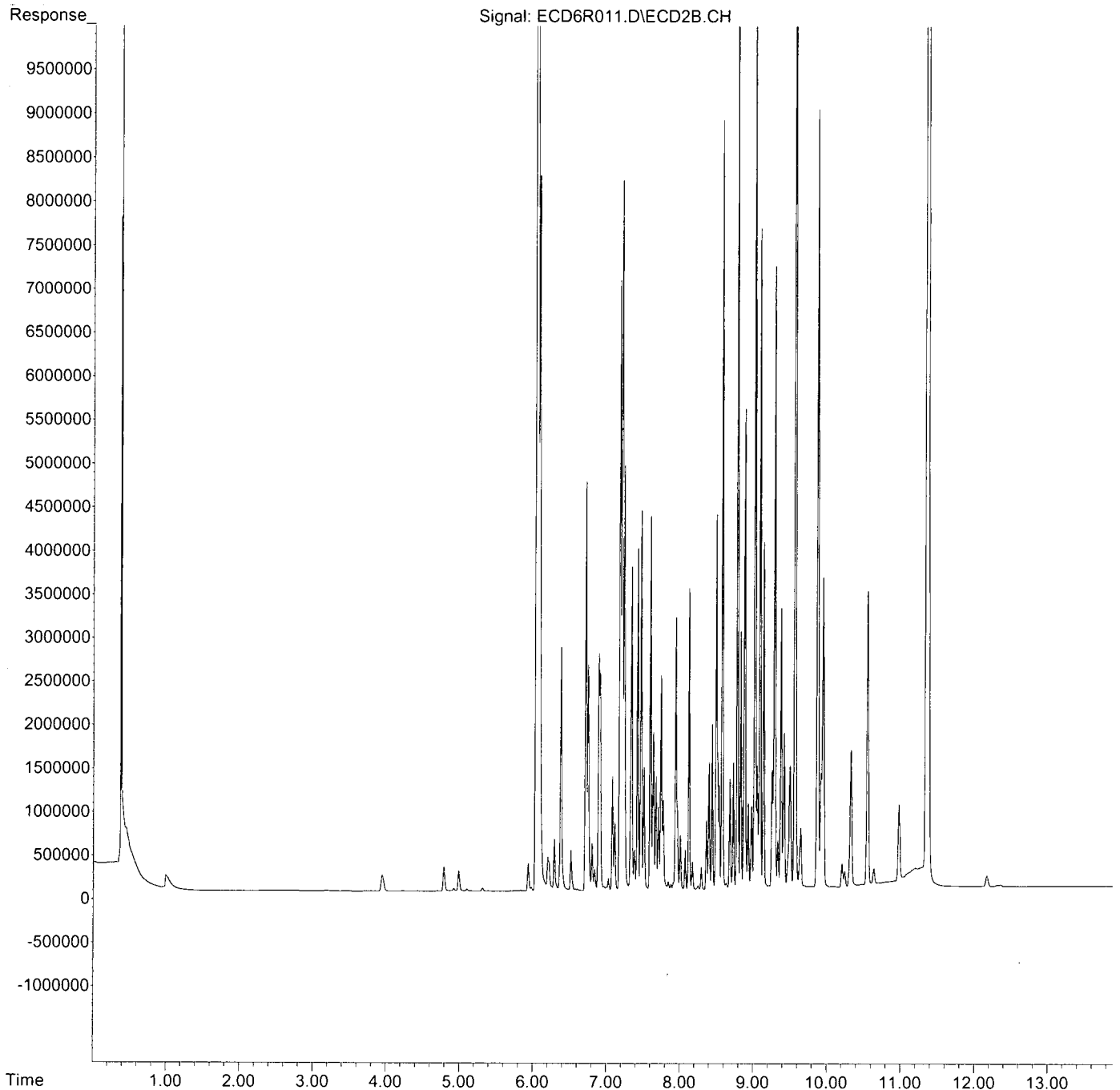
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R011.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 9:59 am
Operator : MJB/KAK
Sample : 0C26028-CAL6
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:53:44 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Thu Feb 13 14:31:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 10:17 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:54:50 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	6.048	147812600	872.618	ng/ml
62) S DCBP (S)	11.365	68521696	1037.540	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.718	6694417	1307.274	ng/ml
3) Aroclor 1016 (2)	7.211	12094241	1369.083	ng/ml
4) Aroclor 1016 (3)	7.340	5599877	1365.663	ng/ml
5) Aroclor 1016 (4)	7.425	5799432	1411.476	ng/ml
6) Aroclor 1016 (5)	7.471	6422322	1421.287	ng/ml
7) Aroclor 1016 (6)	7.599	6288012	1415.176	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.578	13091180	1589.430	ng/ml
42) Aroclor 1260 (2)	8.784	15788416	1563.647	ng/ml
43) Aroclor 1260 (3)	9.023	16132878	1619.795	ng/ml
44) Aroclor 1260 (4)	9.569	23967955	1695.473	ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 10:17 am
 Operator : MJB/KAK
 Sample : 0C26028-CAL7
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:54:50 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Thu Feb 13 14:31:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	9.877	13530536	1618.393	ng/ml
46) Aroclor 1260 (6)	10.554	5032438	1497.284	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

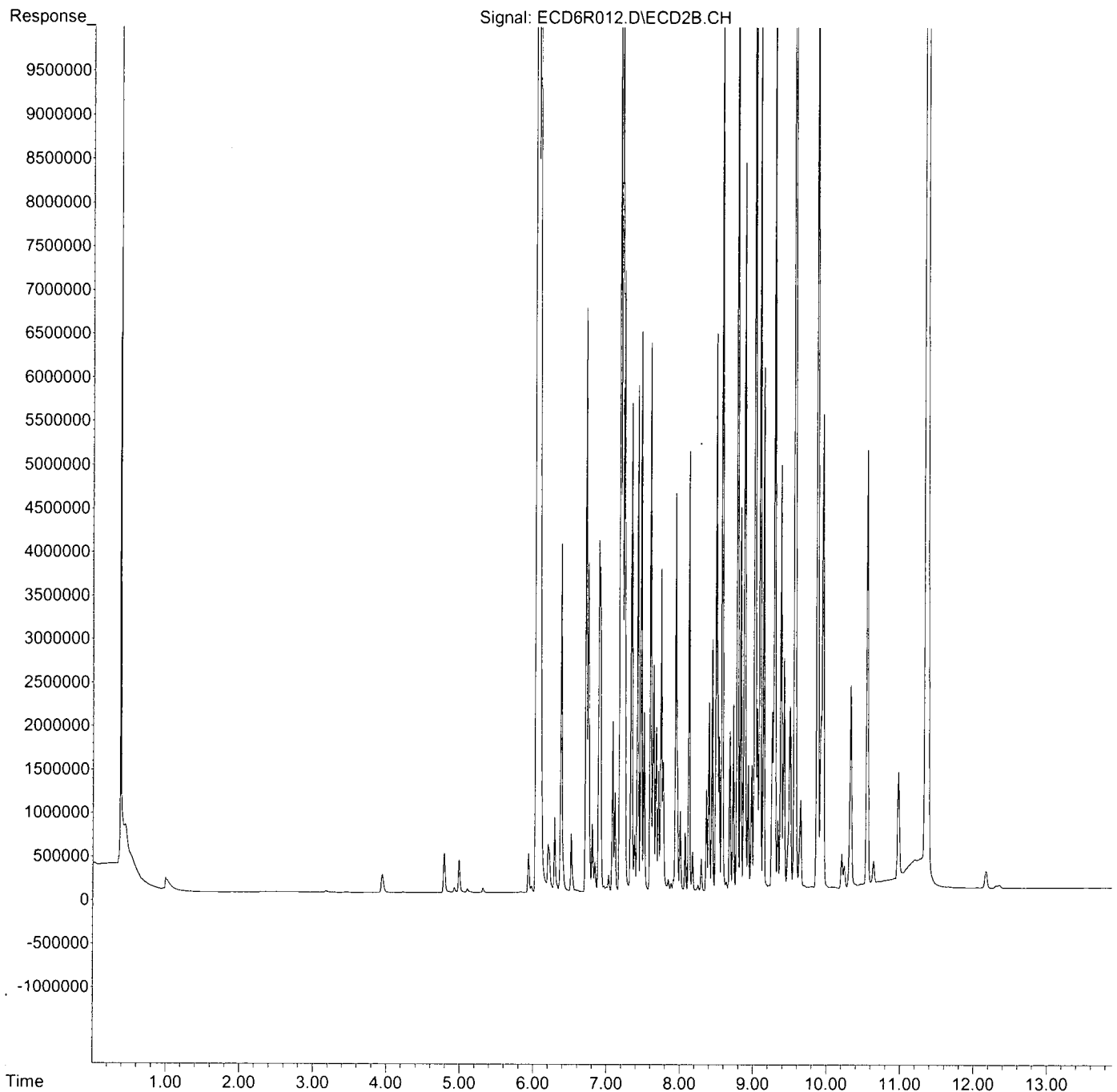
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R012.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 10:17 am
Operator : MJB/KAK
Sample : 0C26028-CAL7
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:54:50 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Thu Feb 13 14:31:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R015.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 4:11 pm
 Operator : MJB/KAK
 Sample : 0C26028-CAL8
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:56:06 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 08:55:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	6.221	698380	540.864	ng/ml
10) Aroclor 1221 (2)	6.294	654194	510.545	ng/ml
11) Aroclor 1221 (3)	6.381	2112776	518.236	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Handwritten signature and date: MJB 3/27/20

Data Path : S:\DATA\0C26028\
 Data File : ECD6R015.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 4:11 pm
 Operator : MJB/KAK
 Sample : 0C26028-CAL8
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 08:56:06 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 08:55:18 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

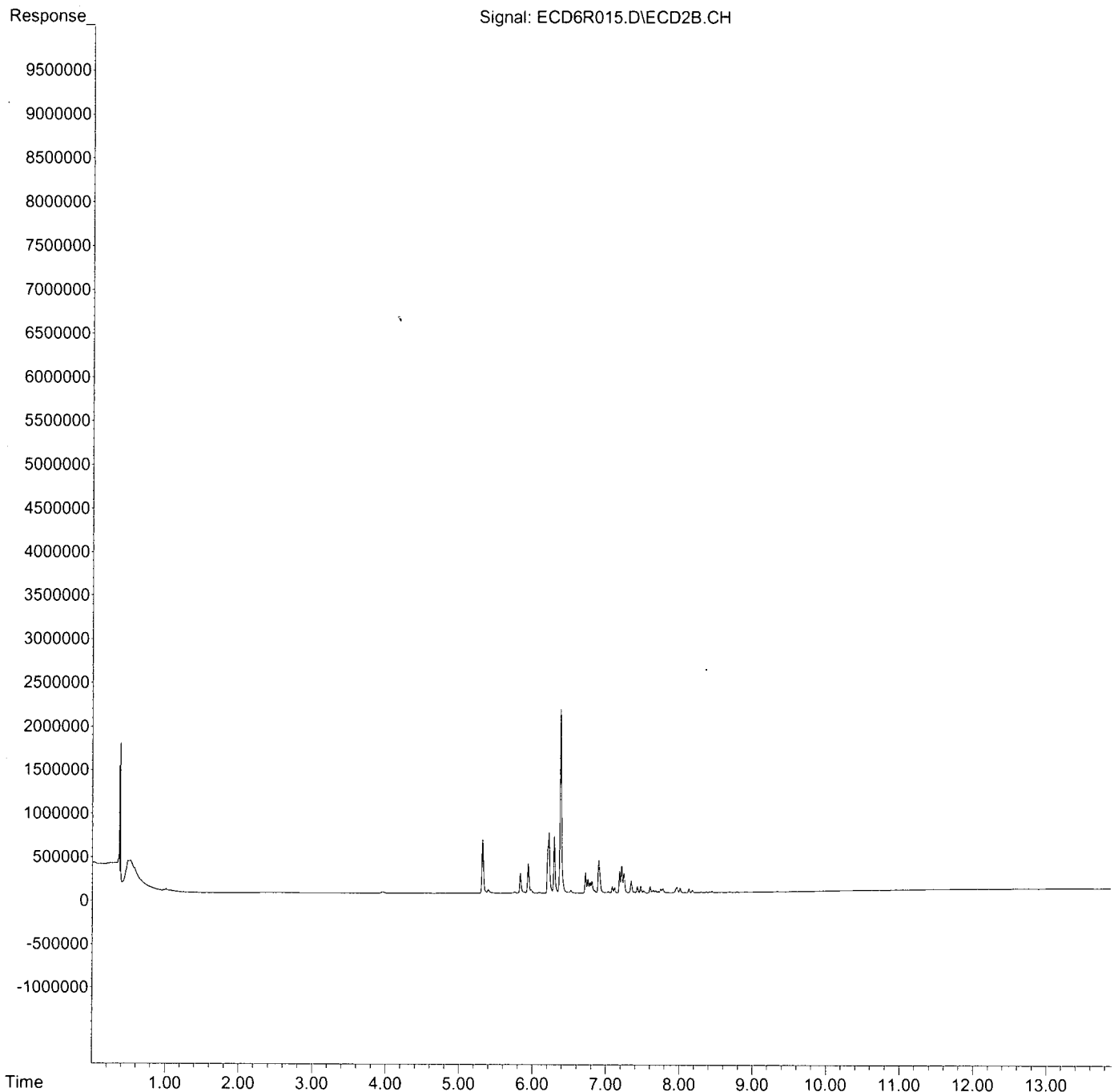
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R015.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 4:11 pm
Operator : MJB/KAK
Sample : 0C26028-CAL8
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 08:56:06 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 08:55:18 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R016.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 4:29 pm
 Operator : MJB/KAK
 Sample : 0C26028-CAL9
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:09:20 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:08:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.382	1736729	504.847	ng/ml
14) Aroclor 1232 (2)	6.719	1032679	488.925	ng/ml
15) Aroclor 1232 (3)	7.212	1671401	451.758	ng/ml
16) Aroclor 1232 (4)	7.425	717290	516.758	ng/ml
17) Aroclor 1232 (5)	7.472	828691	513.213	ng/ml
18) Aroclor 1232 (6)	7.599	836755	501.293	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Handwritten signature and date: 3/27/20

Data Path : S:\DATA\0C26028\
 Data File : ECD6R016.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 4:29 pm
 Operator : MJB/KAK
 Sample : 0C26028-CAL9
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:09:20 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:08:27 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

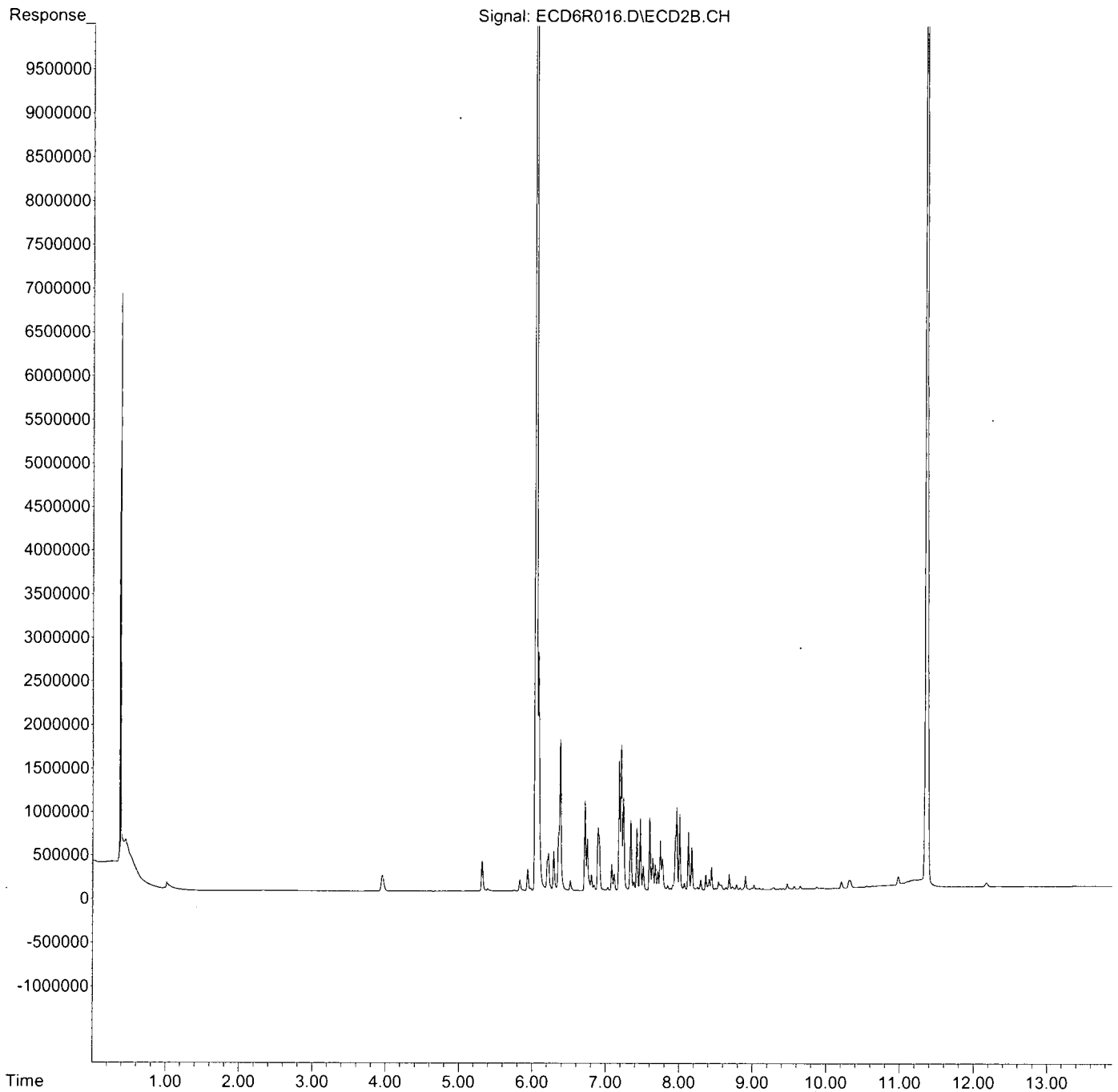
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R016.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 4:29 pm
Operator : MJB/KAK
Sample : 0C26028-CAL9
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:09:20 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:08:27 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R017.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 4:46 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALA
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:10:38 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:09:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.720	1852160	472.955	ng/ml
21) Aroclor 1242 (2)	7.212	3125537	428.478	ng/ml
22) Aroclor 1242 (3)	7.343	1494316	473.702	ng/ml
23) Aroclor 1242 (4)	7.426	1507849	511.807	ng/ml
24) Aroclor 1242 (5)	7.473	1684923	498.566	ng/ml
25) Aroclor 1242 (6)	7.601	1752737	514.257	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Handwritten signature and date: 3/27/20

Data Path : S:\DATA\0C26028\
 Data File : ECD6R017.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 4:46 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALA
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:10:38 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:09:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

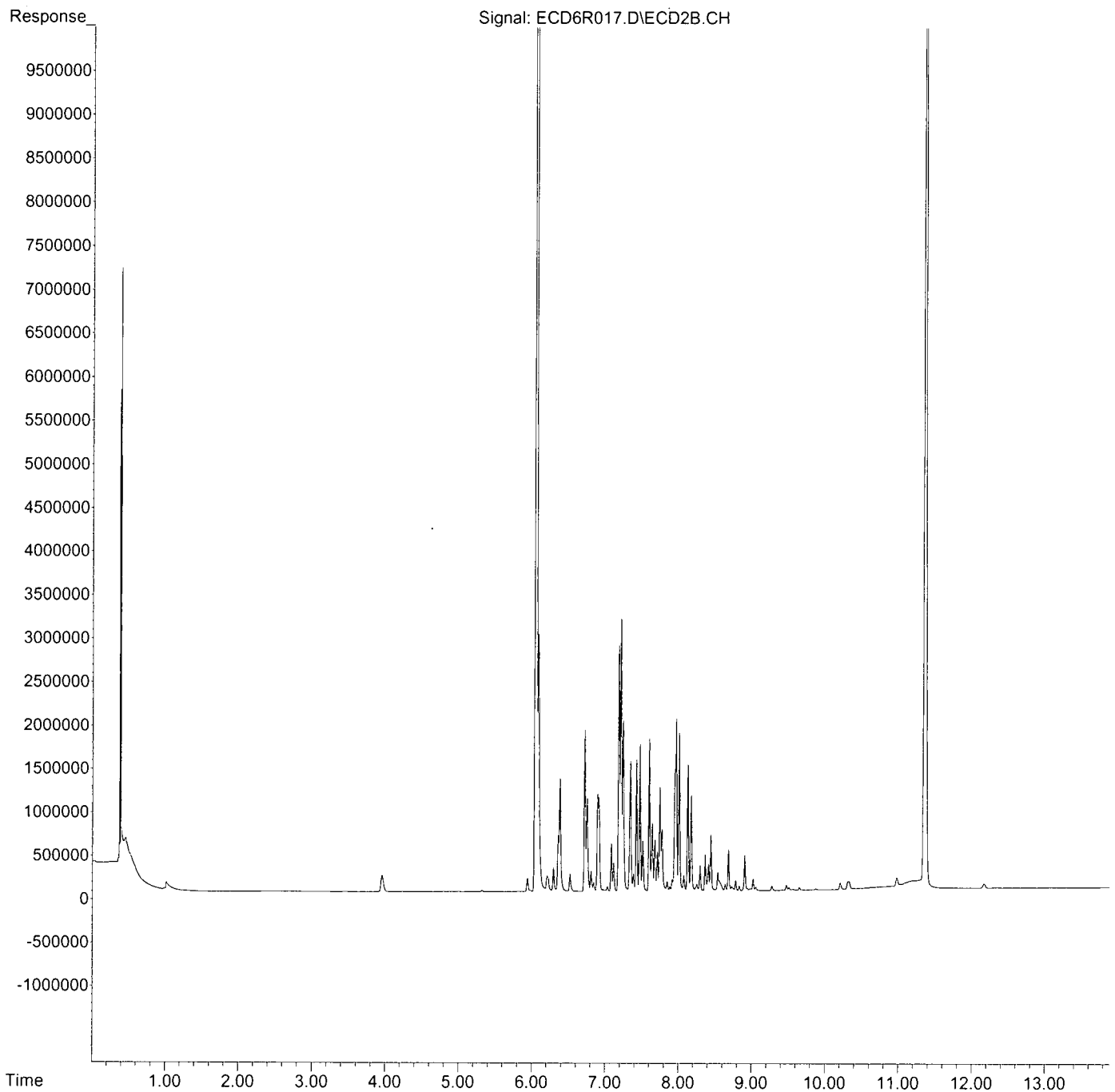
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R017.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 4:46 pm
Operator : MJB/KAK
Sample : 0C26028-CALA
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:10:38 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:09:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R018.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:04 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:12:54 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:12:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	7.185	1958998	480.870	ng/ml
28) Aroclor 1248 (2)	7.426	2601157	509.283	ng/ml
29) Aroclor 1248 (3)	7.473	2379172	502.121	ng/ml
30) Aroclor 1248 (4)	7.601	2850837	518.664	ng/ml
31) Aroclor 1248 (5)	7.968	3442093	493.432	ng/ml
32) Aroclor 1248 (6)	8.129	2950184	491.514	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Handwritten signature and date: 3/27/20

Data Path : S:\DATA\0C26028\
 Data File : ECD6R018.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:04 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALB
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:12:54 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:12:11 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

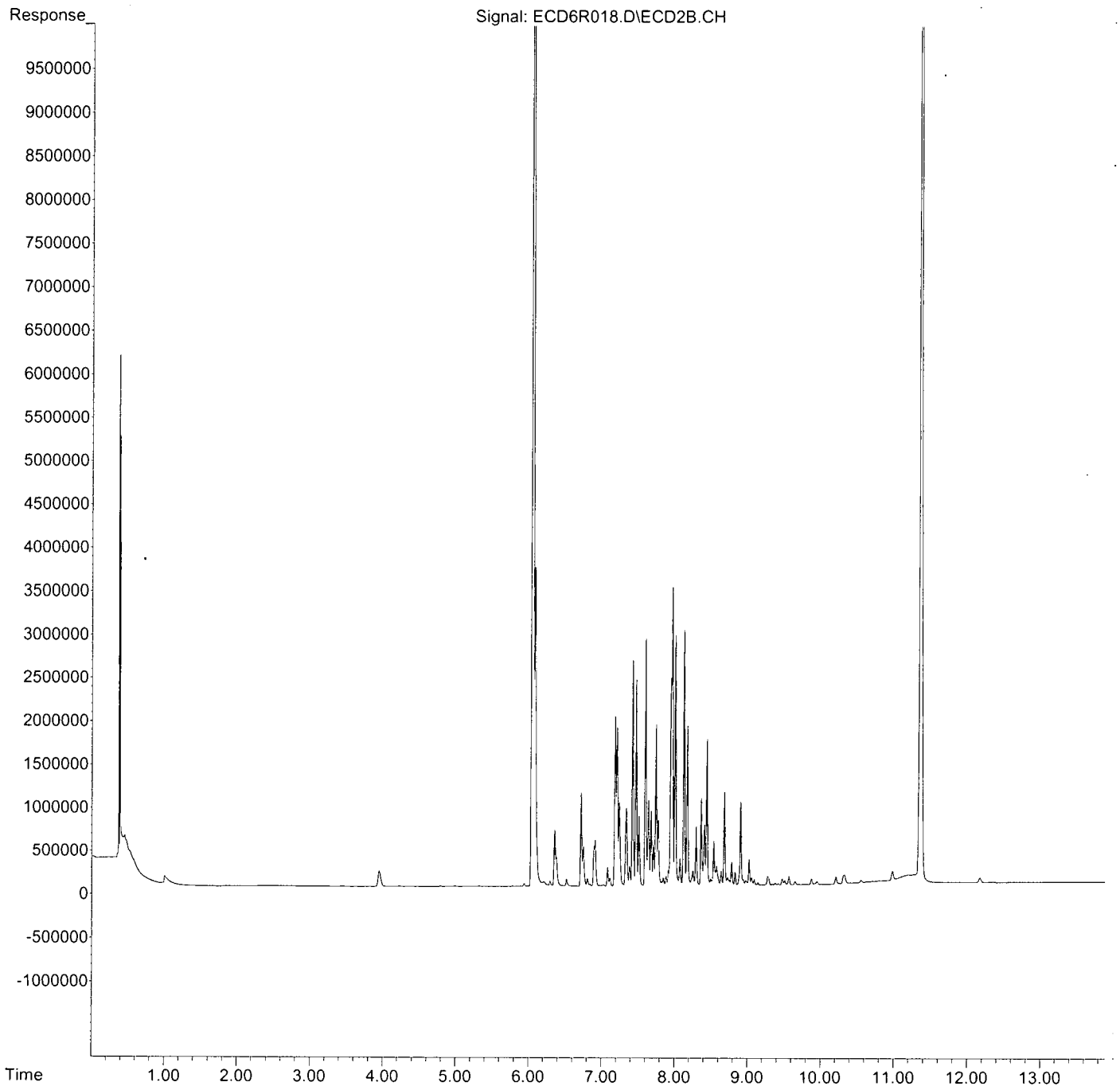
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R018.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 5:04 pm
Operator : MJB/KAK
Sample : 0C26028-CALB
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:12:54 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:12:11 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R019.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:22 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALC
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:14:53 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:14:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.945	3797342	467.946	ng/ml
35) Aroclor 1254 (2)	8.127	5517619	445.017	ng/ml
36) Aroclor 1254 (3)	8.443	6088831	459.204	ng/ml
37) Aroclor 1254 (4)	8.683	4151807	421.018	ng/ml
38) Aroclor 1254 (5)	9.023	4489863	460.256	ng/ml
39) Aroclor 1254 (6)	9.278	1272246	458.291	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

MJB
 3/27/20

Data Path : S:\DATA\0C26028\
 Data File : ECD6R019.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:22 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALC
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:14:53 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:14:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

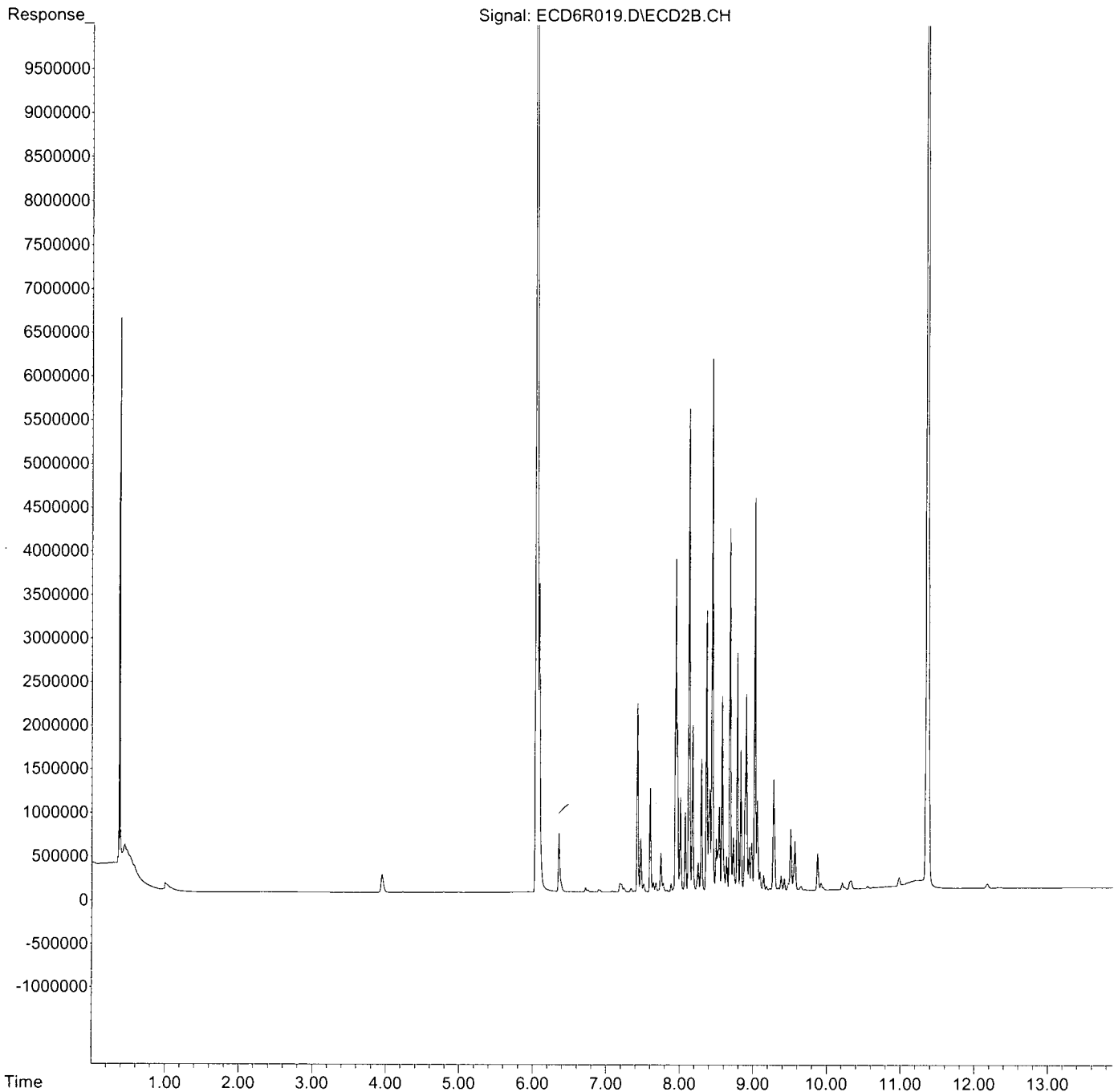
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R019.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 5:22 pm
Operator : MJB/KAK
Sample : 0C26028-CALC
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:14:53 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:14:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R020.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:39 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:16:41 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:15:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R020.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:39 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:16:41 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:15:38 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	8.784	4223816	518.324	ng/ml
49) Aroclor 1262 (2)	9.094	5736003	527.253	ng/ml
50) Aroclor 1262 (3)	9.294	4390197	533.007	ng/ml
51) Aroclor 1262 (4)	9.569	8903721	516.360	ng/ml
52) Aroclor 1262 (5)	9.876	5353245	519.382	ng/ml
53) Aroclor 1262 (6)	10.555	2391988	516.805	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

MJB
 3/27/20

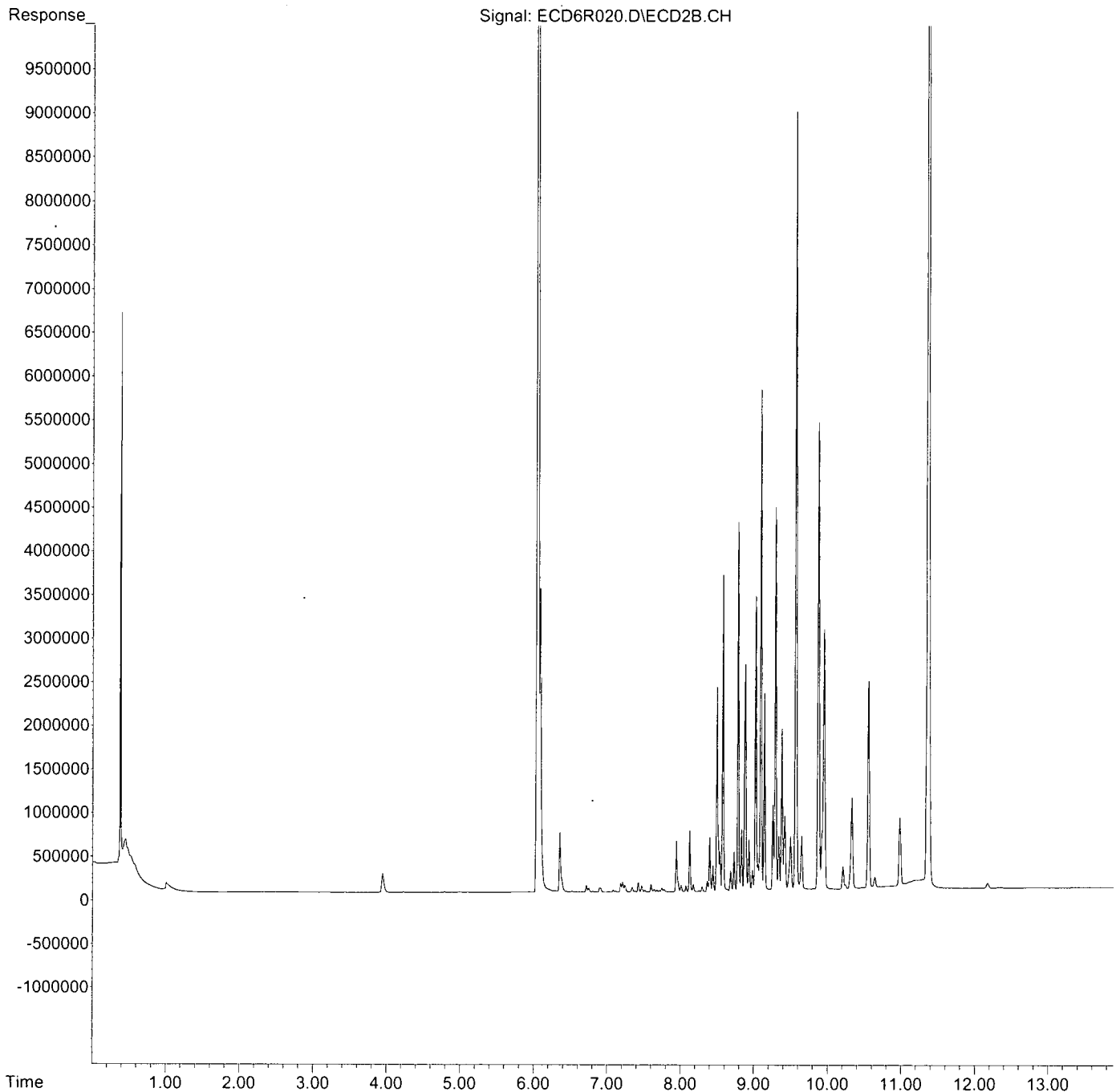
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R020.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 5:39 pm
Operator : MJB/KAK
Sample : 0C26028-CALD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:16:41 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:15:38 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : S:\DATA\0C26028\
 Data File : ECD6R021.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:57 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:18:26 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:17:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 3/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
62) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
14) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
21) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
28) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
35) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
42) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml

Data Path : S:\DATA\0C26028\
 Data File : ECD6R021.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Mar 2020 5:57 pm
 Operator : MJB/KAK
 Sample : 0C26028-CALE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Mar 27 09:18:26 2020
 Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Mar 27 09:17:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	9.340	2453336	587.532	ng/ml
56) Aroclor 1268 (2)	9.877	10046372	574.247	ng/ml
57) Aroclor 1268 (3)	9.956	8126930	551.231	ng/ml
58) Aroclor 1268 (4)	10.211	6994097	571.843	ng/ml
59) Aroclor 1268 (5)	10.556	2656366	544.156	ng/ml
60) Aroclor 1268 (6)	10.983	18160246	567.017	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: MJB 3/27/20

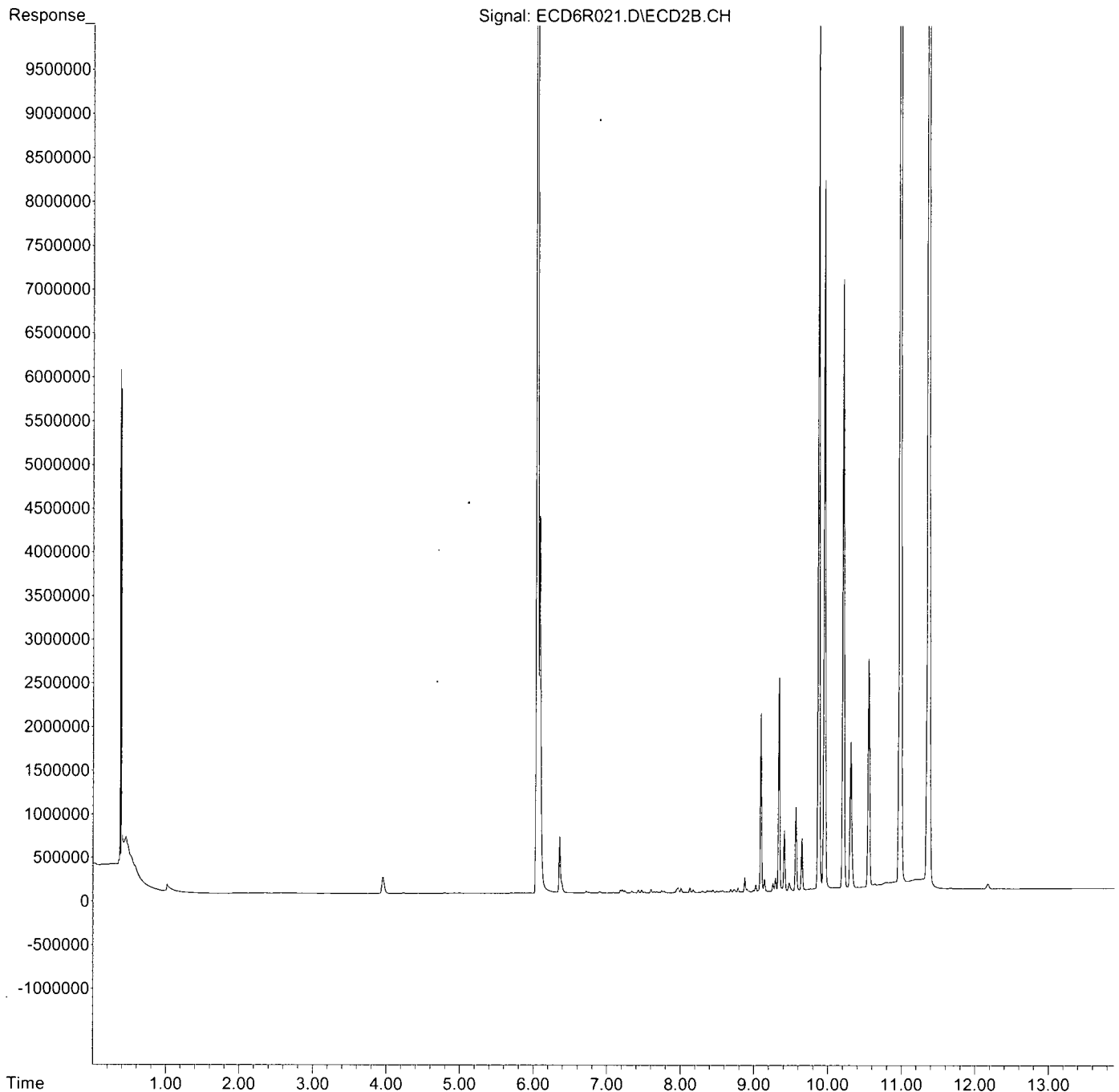
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : S:\DATA\0C26028\
Data File : ECD6R021.D
Signal(s) : ECD2B.CH
Acq On : 26 Mar 2020 5:57 pm
Operator : MJB/KAK
Sample : 0C26028-CALE
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Mar 27 09:18:26 2020
Quant Method : T:\METHODS\RECD6_QUANTPCB_200326.M
Quant Title : PCB Data Analysis
QLast Update : Fri Mar 27 09:17:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0D26012 (Cal ID A0D2707) DUALECD2F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D26012

Instrument: DUALECD2F

Date: 04/26/20 17:21

Calibration: A0D2707

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D26012-ICB1	Water	QC	QC				A20D303
2	0D26012-CAL1	Water	QC	QC				A19L280
3	0D26012-CAL2	Water	QC	QC				A19L281
4	0D26012-CAL3	Water	QC	QC				A19L282
5	0D26012-CAL4	Water	QC	QC				A19L283
6	0D26012-CAL5	Water	QC	QC				A19L276
7	0D26012-CAL6	Water	QC	QC				A19L278
8	0D26012-CAL7	Water	QC	QC				A19L279
9	0D26012-IBL1	Water	QC	QC				
10	0D26012-ICV1	Water	QC	QC				A20B355
11	0D26012-CAL8	Water	QC	QC				A20C117
12	0D26012-CAL9	Water	QC	QC				A20B322
13	0D26012-CALA	Water	QC	QC				A20B323
14	0D26012-CALB	Water	QC	QC				A20B324
15	0D26012-CALC	Water	QC	QC				A20B325
16	0D26012-CALD	Water	QC	QC				A20B326
17	0D26012-CALE	Water	QC	QC				A20B327
18	0D26012-ICV2	Water	QC	QC				A20B353
19	0D26012-ICV3	Water	QC	QC				A20D351
20	0D26012-ICV4	Water	QC	QC				A20B354
21	0D26012-ICV5	Water	QC	QC				A20B130

Data Entered By: *[Signature]* 4/27/20

Comments: 5 peaks for 1221

Data Reviewed By: *[Signature]* 4/28/20

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 09:04:00 2020
 Response Via : Initial Calibration

*ADD 2706
7 4/27/20*

4/27/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0D26012\ECD2F005.D
2	2	25	0	K:\DATA\0D26012\ECD2F006.D
3	3	50	0	K:\DATA\0D26012\ECD2F007.D
4	4	100	0	K:\DATA\0D26012\ECD2F008.D
5	5	250	0	K:\DATA\0D26012\ECD2F020.D
6	6	500	0	K:\DATA\0D26012\ECD2F010.D
7	7	800	0	K:\DATA\0D26012\ECD2F011.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 27 09:01 2020	Apr 27 08:36 2020	26 Apr 2020 6:45 pm
2	2	Apr 27 09:01 2020	Apr 27 08:38 2020	26 Apr 2020 7:03 pm
3	3	Apr 27 09:01 2020	Apr 27 08:39 2020	26 Apr 2020 7:20 pm
4	4	Apr 27 09:01 2020	Apr 27 08:41 2020	26 Apr 2020 7:38 pm
5	5	Apr 27 09:04 2020	Apr 27 08:57 2020	26 Apr 2020 11:08 pm
6	6	Apr 27 09:02 2020	Apr 27 08:42 2020	26 Apr 2020 8:13 pm
7	7	Apr 27 09:02 2020	Apr 27 08:44 2020	26 Apr 2020 8:30 pm

FECD2_QUANTPCB_200426.M Mon Apr 27 12:00:58 2020

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 12:20:01 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2F005.D 2 =ECD2F006.D 3 =ECD2F007.D
 4 =ECD2F008.D 5 =ECD2F014.D 6 =ECD2F010.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.818	1.831	1.863	1.841	1.730	1.955	1.852	E5 4.00
2) Aroclor 1016 ...	8.034	7.256	6.604	6.263	6.015	5.732	6.539	E3 12.80 ✓
3) Aroclor 1016 ...	1.465	1.357	1.295	1.294	1.236	1.180	1.295	E4 7.20 ✓
4) Aroclor 1016 ...	8.486	7.673	7.149	7.128	6.600	6.247	7.132	E3 10.60 ✓
5) Aroclor 1016 ...	7.188	6.437	6.066	5.581	5.507	5.057	5.868	E3 12.77 ✓
6) Aroclor 1016 ...	8.448	7.614	7.287	6.673	6.633	6.232	7.038	E3 11.25 ✓
7) Aroclor 1016 (6)	6.103	5.308	4.871	4.466	4.489	4.196	4.824	E3 14.02 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					2.178		2.178	E3 0.00
10) Aroclor 1221 (2)					1.475		1.475	E3 0.00
11) Aroclor 1221 (3)					4.847		4.847	E3 0.00
12) Aroclor 1221 (4)					8.734		8.734	E2 0.00
13) Aroclor 1221 (5)					9.390		9.390	E2 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					3.701		3.701	E3 0.00
16) Aroclor 1232 (2)					5.078		5.078	E3 0.00
17) Aroclor 1232 (3)					2.793		2.793	E3 0.00
18) Aroclor 1232 (4)					1.867		1.867	E3 0.00
19) Aroclor 1232 (5)					2.472		2.472	E3 0.00
20) Aroclor 1232 (6)					2.003		2.003	E3 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					4.927		4.927	E3 0.00
23) Aroclor 1242 ...					1.016		1.016	E4 0.00
24) Aroclor 1242 ...					5.360		5.360	E3 0.00
25) Aroclor 1242 ...					4.061		4.061	E3 0.00
26) Aroclor 1242 ...					5.160		5.160	E3 0.00
27) Aroclor 1242 (6)					4.176		4.176	E3 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					5.918		5.918	E3 0.00
30) Aroclor 1248 ...					7.015		7.015	E3 0.00
31) Aroclor 1248 ...					8.451		8.451	E3 0.00
32) Aroclor 1248 ...					1.006		1.006	E4 0.00
33) Aroclor 1248 ...					1.019		1.019	E4 0.00
34) Aroclor 1248 (6)					5.532		5.532	E3 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					1.016		1.016	E4 0.00
37) Aroclor 1254 ...					1.233		1.233	E4 0.00
38) Aroclor 1254 ...					1.804		1.804	E4 0.00
39) Aroclor 1254 ...					1.294		1.294	E4 0.00
40) Aroclor 1254 ...					1.287		1.287	E4 0.00
41) Aroclor 1254 (6)					4.247		4.247	E3 0.00
42) Aroclor 1254 ...							0.000	-1.00
43) Aroclor 1260 ...	1.584	1.383	1.340	1.296	1.228	1.196	1.326	E4 9.85 ✓
44) Aroclor 1260 ...	1.928	1.741	1.683	1.647	1.577	1.522	1.676	E4 7.86 ✓
45) Aroclor 1260 (3)	1.397	1.303	1.257	1.232	1.188	1.186	1.250	E4 6.29 ✓
46) Aroclor 1260 (4)	2.940	2.732	2.750	2.846	2.697	2.855	2.815	E4 3.18 ✓
47) Aroclor 1260 (5)	2.084	1.935	1.912	1.871	1.814	1.769	1.894	E4 5.33 ✓
48) Aroclor 1260 (6)	8.932	8.478	7.947	7.671	7.807	7.636	8.030	E3 6.10 ✓
49) Aroclor 1260 ...							0.000	-1.00
50) Aroclor 1262 (1)					1.273		1.273	E4 0.00
51) Aroclor 1262 (2)					1.757		1.757	E4 0.00
52) Aroclor 1262 (3)					1.518		1.518	E4 0.00
53) Aroclor 1262 (4)					3.155		3.155	E4 0.00
54) Aroclor 1262 (5)					1.940		1.940	E4 0.00
55) Aroclor 1262 (6)					1.080		1.080	E4 0.00
56) Aroclor 1262 ...							0.000	-1.00
57) Aroclor 1268 (1)					8.599		8.599	E3 0.00
58) Aroclor 1268 (2)					3.722		3.722	E4 0.00
59) Aroclor 1268 (3)					3.274		3.274	E4 0.00
60) Aroclor 1268 (4)					2.957		2.957	E4 0.00

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 12:20:01 2020
 Response Via : Initial Calibration

Calibration Files

1	=ECD2F005.D	2	=ECD2F006.D	3	=ECD2F007.D
4	=ECD2F008.D	5	=ECD2F014.D	6	=ECD2F010.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 (5)					1.174		1.174 E4	0.00
62) Aroclor 1268 (6)					8.312		8.312 E4	0.00
63) Aroclor 1268 ...							0.000	-1.00
64) S DCBP (S)	1.764	1.800	1.809	1.808	1.669	1.851	1.782 E5	3.22 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 09:04:00 2020
 Response Via : Initial Calibration

Total Cpnds : 64

Handwritten: 4/27/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	4.836	1.000	A	H	L
2	Aroclor 1016 (1)	5.754	1.000	A	H	R
3	Aroclor 1016 (2)	6.169	1.000	A	H	R
4	Aroclor 1016 (3)	6.249	1.000	A	H	R
5	Aroclor 1016 (4)	6.407	1.000	A	H	R
6	Aroclor 1016 (5)	6.630	1.000	A	H	R
7	Aroclor 1016 (6)	6.757	1.000	A	H	R
8	Aroclor 1016 - AVE	0.802	1.000	A	H	R
9	Aroclor 1221 (1)	5.196	1.000	A	H	R
10	Aroclor 1221 (2)	5.313	1.000	A	H	R
11	Aroclor 1221 (3)	5.394	1.000	A	H	R
12	Aroclor 1221 (4) *	5.863	1.000	L	H	B
13	Aroclor 1221 (5) *	6.170	1.000	L	H	B
14	Aroclor 1221 - AVE	0.802	1.000	A	H	R
15	Aroclor 1232 (1)	5.395	1.000	A	H	R
16	Aroclor 1232 (2)	6.170	1.000	A	H	R
17	Aroclor 1232 (3)	6.250	1.000	A	H	R
18	Aroclor 1232 (4)	6.409	1.000	A	H	R
19	Aroclor 1232 (5)	6.631	1.000	A	H	R
20	Aroclor 1232 (6)	6.758	1.000	A	H	R
21	Aroclor 1232 - AVE	0.802	1.000	A	H	R
22	Aroclor 1242 (1)	5.755	1.000	A	H	R
23	Aroclor 1242 (2)	6.169	1.000	A	H	R
24	Aroclor 1242 (3)	6.250	1.000	A	H	R
25	Aroclor 1242 (4)	6.408	1.000	A	H	R
26	Aroclor 1242 (5)	6.630	1.000	A	H	R
27	Aroclor 1242 (6)	6.757	1.000	A	H	R
28	Aroclor 1242 - AVE	0.802	1.000	A	H	R
29	Aroclor 1248 (1)	6.169	1.000	A	H	R
30	Aroclor 1248 (2)	6.409	1.000	A	H	R
31	Aroclor 1248 (3)	6.630	1.000	A	H	R
32	Aroclor 1248 (4)	6.924	1.000	A	H	R
33	Aroclor 1248 (5)	6.962	1.000	A	H	R
34	Aroclor 1248 (6)	7.439	1.000	A	H	R
35	Aroclor 1248 - AVE	0.802	1.000	A	H	R
36	Aroclor 1254 (1)	6.960	1.000	A	H	R
37	Aroclor 1254 (2)	7.069	1.000	A	H	R
38	Aroclor 1254 (3)	7.441	1.000	A	H	R
39	Aroclor 1254 (4)	7.606	1.000	A	H	R
40	Aroclor 1254 (5)	7.988	1.000	A	H	R
41	Aroclor 1254 (6)	8.281	1.000	A	H	R
42	Aroclor 1254 - AVE	0.802	1.000	A	H	R
43	Aroclor 1260 (1)	7.559	1.000	A	H	R
44	Aroclor 1260 (2)	7.691	1.000	A	H	R
45	Aroclor 1260 (3)	8.250	1.000	A	H	R
46	Aroclor 1260 (4)	8.419	1.000	A	H	R
47	Aroclor 1260 (5)	8.719	1.000	A	H	R
48	Aroclor 1260 (6)	9.113	1.000	A	H	R
49	Aroclor 1260 - AVE	0.802	1.000	A	H	R
50	Aroclor 1262 (1)	7.693	1.000	A	H	R
51	Aroclor 1262 (2)	8.018	1.000	A	H	R
52	Aroclor 1262 (3)	8.251	1.000	A	H	R
53	Aroclor 1262 (4)	8.420	1.000	A	H	R
54	Aroclor 1262 (5)	8.720	1.000	A	H	R
55	Aroclor 1262 (6)	9.114	1.000	A	H	R
56	Aroclor 1262 - AVE	0.802	1.000	A	H	R

Handwritten: * New

57	Aroclor 1268 (1)	8.242	1.000	A	H	R
58	Aroclor 1268 (2)	8.667	1.000	A	H	R
59	Aroclor 1268 (3)	8.714	1.000	A	H	R
60	Aroclor 1268 (4)	8.898	1.000	A	H	R
61	Aroclor 1268 (5)	9.112	1.000	A	H	R
62	Aroclor 1268 (6)	9.375	1.000	A	H	R
63	Aroclor 1268 - AVE	0.805	1.000	A	H	R
64	S DCBP (S)	9.617	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

 FECD2_QUANTPCB_200426.M Mon Apr 27 12:00:47 2020

Element Calibration Review Sheet

Calibration ID: **A0D2707**

Instrument: **DUALECD2F**

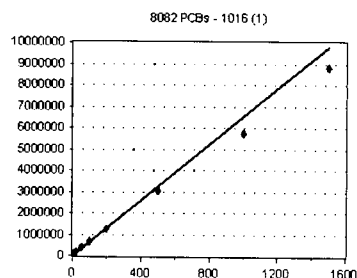
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20042**

1016 (1)

Curve Fit: **AVERAGE RF**

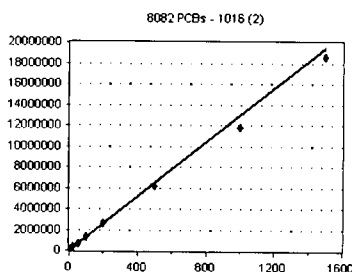


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	160687	8034.350	5.75
0D26012-CAL2	50	362790	7255.800	5.75
0D26012-CAL3	100	660359	6603.590	5.76
0D26012-CAL4	200	1252522	6262.610	5.76
0D26012-CAL5	500	3007276	6014.552	5.75
0D26012-CAL6	1000	5732342	5732.342	5.75
0D26012-CAL7	1500	8806140	5870.760	5.76

AVE RF 6539.143 **RF RSD** 12.80 **AVE RT** 5.75

1016 (2)

Curve Fit: **AVERAGE RF**

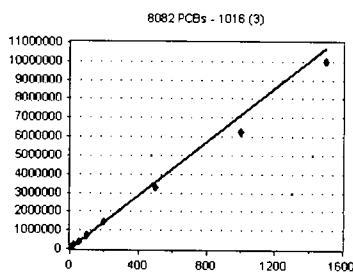


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	292977	14648.850	6.17
0D26012-CAL2	50	678422	13568.440	6.17
0D26012-CAL3	100	1294631	12946.310	6.17
0D26012-CAL4	200	2587662	12938.310	6.17
0D26012-CAL5	500	6179055	12358.110	6.17
0D26012-CAL6	1000	180282E+07	11802.820	6.17
0D26012-CAL7	1500	862873E+07	12419.150	6.17

AVE RF 12954.570 **RF RSD** 7.20 **AVE RT** 6.17

1016 (3)

Curve Fit: **AVERAGE RF**

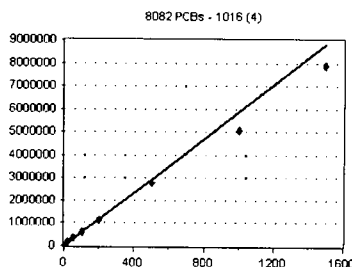


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	169714	8485.700	6.25
0D26012-CAL2	50	383633	7672.660	6.25
0D26012-CAL3	100	714884	7148.840	6.25
0D26012-CAL4	200	1425617	7128.085	6.25
0D26012-CAL5	500	3299771	6599.542	6.25
0D26012-CAL6	1000	6246643	6246.643	6.25
0D26012-CAL7	1500	9965308	6643.539	6.25

AVE RF 7132.144 **RF RSD** 10.60 **AVE RT** 6.25

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	143762	7188.100	6.41
0D26012-CAL2	50	321826	6436.520	6.41
0D26012-CAL3	100	606640	6066.400	6.41
0D26012-CAL4	200	1116260	5581.300	6.41
0D26012-CAL5	500	2753573	5507.146	6.41
0D26012-CAL6	1000	5057141	5057.141	6.41
0D26012-CAL7	1500	7858630	5239.086	6.41

AVE RF 5867.956 **RF RSD** 12.77 **AVE RT** 6.41

Element Calibration Review Sheet

Calibration ID: **A0D2707**

Instrument: **DUALECD2F**

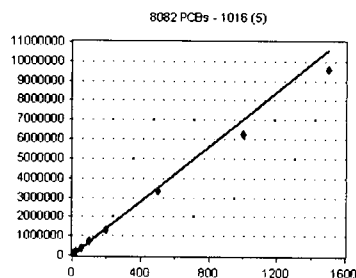
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20042**

1016 (5)

Curve Fit: **AVERAGE RF**

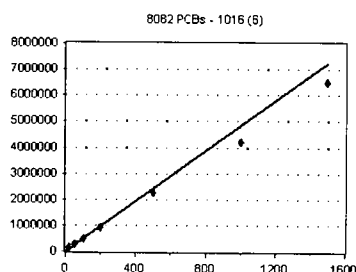


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	168968	8448.400	6.63
0D26012-CAL2	50	380719	7614.380	6.63
0D26012-CAL3	100	728667	7286.670	6.63
0D26012-CAL4	200	1334556	6672.780	6.63
0D26012-CAL5	500	3316303	6632.606	6.63
0D26012-CAL6	1000	6232395	6232.395	6.63
0D26012-CAL7	1500	9570320	6380.213	6.63

AVE RF 7038.206 RF RSD 11.25 AVE RT 6.63

1016 (6)

Curve Fit: **AVERAGE RF**

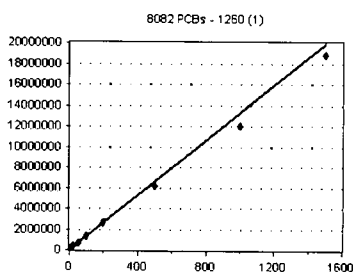


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	122069	6103.450	6.76
0D26012-CAL2	50	265386	5307.720	6.76
0D26012-CAL3	100	487054	4870.540	6.76
0D26012-CAL4	200	893296	4466.480	6.76
0D26012-CAL5	500	2244714	4489.428	6.76
0D26012-CAL6	1000	4196029	4196.029	6.76
0D26012-CAL7	1500	6505908	4337.272	6.76

AVE RF 4824.417 RF RSD 14.02 AVE RT 6.76

1260 (1)

Curve Fit: **AVERAGE RF**

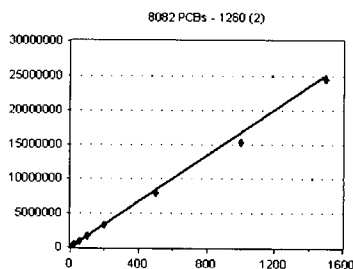


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	316801	15840.050	7.56
0D26012-CAL2	50	691671	13833.420	7.56
0D26012-CAL3	100	1339918	13399.180	7.56
0D26012-CAL4	200	2591486	12957.430	7.56
0D26012-CAL5	500	6137505	12275.010	7.56
0D26012-CAL6	1000	195545E+07	11955.450	7.56
0D26012-CAL7	1500	886386E+07	12575.910	7.56

AVE RF 13262.350 RF RSD 9.85 AVE RT 7.56

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	385605	19280.250	7.69
0D26012-CAL2	50	870470	17409.400	7.69
0D26012-CAL3	100	1683300	16833.000	7.69
0D26012-CAL4	200	3294378	16471.890	7.69
0D26012-CAL5	500	7885627	15771.250	7.69
0D26012-CAL6	1000	522431E+07	15224.310	7.69
0D26012-CAL7	1500	445351E+07	16302.340	7.69

AVE RF 16756.060 RF RSD 7.86 AVE RT 7.69

Element Calibration Review Sheet

Calibration ID: **A0D2707**

Instrument: **DUALECD2F**

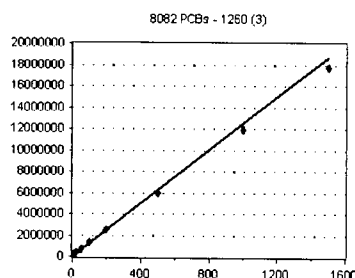
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20042**

1260 (3)

Curve Fit: **AVERAGE RF**

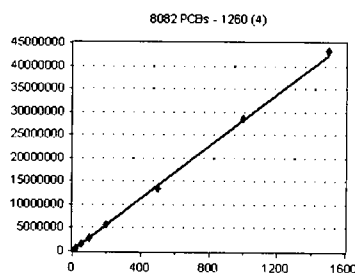


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	279330	13966.500	8.25
0D26012-CAL2	50	651705	13034.100	8.25
0D26012-CAL3	100	1257364	12573.640	8.25
0D26012-CAL4	200	2464101	12320.500	8.25
0D26012-CAL5	500	5941002	11882.000	8.25
0D26012-CAL6	1000	185728E+07	11857.280	8.25
0D26012-CAL7	1500	775393E+07	11835.950	8.25

AVE RF 12495.710 RF RSD 6.29 AVE RT 8.25

1260 (4)

Curve Fit: **AVERAGE RF**

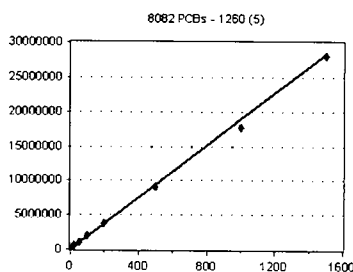


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	588100	29405.000	8.42
0D26012-CAL2	50	1365824	27316.480	8.42
0D26012-CAL3	100	2750394	27503.940	8.42
0D26012-CAL4	200	5691125	28455.630	8.42
0D26012-CAL5	500	348281E+07	26965.620	8.42
0D26012-CAL6	1000	855439E+07	28554.390	8.42
0D26012-CAL7	1500	324992E+07	28833.280	8.42

AVE RF 28147.760 RF RSD 3.18 AVE RT 8.42

1260 (5)

Curve Fit: **AVERAGE RF**

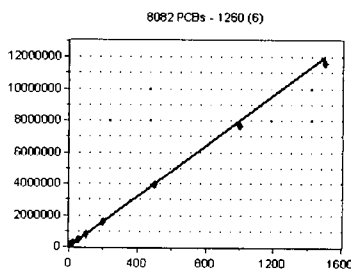


Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	416708	20835.400	8.72
0D26012-CAL2	50	967528	19350.560	8.72
0D26012-CAL3	100	1912495	19124.950	8.72
0D26012-CAL4	200	3742976	18714.880	8.72
0D26012-CAL5	500	9071060	18142.120	8.72
0D26012-CAL6	1000	768938E+07	17689.380	8.72
0D26012-CAL7	1500	805483E+07	18703.220	8.72

AVE RF 18937.220 RF RSD 5.33 AVE RT 8.72

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26012-CAL1	20	178633	8931.650	9.11
0D26012-CAL2	50	423886	8477.720	9.11
0D26012-CAL3	100	794738	7947.380	9.11
0D26012-CAL4	200	1534132	7670.660	9.11
0D26012-CAL5	500	3903473	7806.946	9.11
0D26012-CAL6	1000	7635524	7635.524	9.11
0D26012-CAL7	1500	161331E+07	7742.207	9.11

AVE RF 8030.298 RF RSD 6.10 AVE RT 9.11

Element Calibration Review Sheet

Calibration ID: **A0D2707**

Instrument: **DUALECD2F**

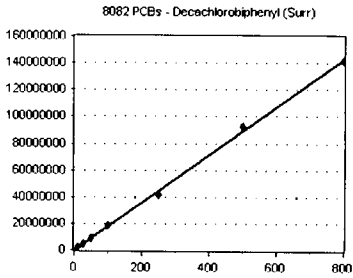
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_20042**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0D26012-CAL1	10	1763757	176375.700	9.62
0D26012-CAL2	25	4500425	180017.000	9.62
0D26012-CAL3	50	9043666	180873.300	9.62
0D26012-CAL4	100	807564E+07	180756.400	9.62
0D26012-CAL5	250	172231E+07	166889.300	9.62
0D26012-CAL6	500	255795E+07	185115.900	9.62
0D26012-CAL7	800	417665E+08	177208.100	9.62

AVE RF **178176.500** RF RSD **3.22** AVE RT **9.62**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D26012

Analysis Included

1311/8082 TCLP PCBs
 608 PCBs
 608 PCBs - LL (1000/1mL) +1262/68
 608.3 PCBs
 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 (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0D26012-ICB1	Initial Cal Blank	Water	A20D303		4/26/2020 6:27:00PM
0D26012-CAL1	Cal Standard	Water	A19L280	"	4/26/2020 6:45:00PM
0D26012-CAL2	Cal Standard	Water	A19L281	"	4/26/2020 7:03:00PM
0D26012-CAL3	Cal Standard	Water	A19L282	"	4/26/2020 7:20:00PM
0D26012-CAL4	Cal Standard	Water	A19L283	"	4/26/2020 7:38:00PM
0D26012-CAL5	Cal Standard	Water	A19L276	"	4/26/2020 7:55:00PM
0D26012-CAL6	Cal Standard	Water	A19L278	"	4/26/2020 8:13:00PM
0D26012-CAL7	Cal Standard	Water	A19L279	"	4/26/2020 8:30:00PM
0D26012-ICV1	Initial Cal Check	Water	A20B355	"	4/26/2020 9:06:00PM
0D26012-CAL8	Cal Standard	Water	A20C117	"	4/26/2020 9:23:00PM
0D26012-CAL9	Cal Standard	Water	A20B322	"	4/26/2020 9:41:00PM
0D26012-CALA	Cal Standard	Water	A20B323	"	4/26/2020 9:58:00PM
0D26012-CALB	Cal Standard	Water	A20B324	"	4/26/2020 10:16:00PM
0D26012-CALC	Cal Standard	Water	A20B325	"	4/26/2020 10:33:00PM
0D26012-CALD	Cal Standard	Water	A20B326	"	4/26/2020 10:51:00PM
0D26012-CALE	Cal Standard	Water	A20B327	"	4/26/2020 11:08:00PM
0D26012-ICV2	Initial Cal Check	Water	A20B353	"	4/26/2020 11:26:00PM
0D26012-ICV3	Initial Cal Check	Water	A20D351	"	4/26/2020 11:43:00PM
0D26012-ICV4	Initial Cal Check	Water	A20B354	"	4/27/2020 12:01:00AM
0D26012-ICV5	Initial Cal Check	Water	A20B130	"	4/27/2020 12:18:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D2707**

Instrument: **DUALECD2F**

1311/8082 TCLP PCBs

Sequence: **0D26012**

Matrix: **Water**

0D26012-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	
Aroclor 1260	0.0000	0.00	20.0	0	
0D26012-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D26012

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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-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	
0D26012-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D26012

Aroclor 1254	0.0000	0.00	500	0	
0D26012-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
Aroclor 1262	0.0000	0.00	500	0	
0D26012-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 quadratic 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 option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D2707**

Instrument: **DUALECD2F**

8082 PCBs - Low Level (1000/

Sequence: **0D26012**

Matrix: **Water**

0D26012-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\0D26012\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 6:27 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:58:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27.09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	16588099	89.564 ng/ml
64) S DCBP (S)	9.616	15155892	85.061 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.747	397	0.061 ng/ml
3) Aroclor 1016 (2)	6.174	43492	3.357 ng/ml
4) Aroclor 1016 (3)	6.265	30880	4.330 ng/ml
5) Aroclor 1016 (4)	6.418	14611	2.490 ng/ml
6) Aroclor 1016 (5)	6.638	17784	2.527 ng/ml
7) Aroclor 1016 (6)	6.763	14916	3.092 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.189	322703	148.171 ng/ml
10) Aroclor 1221 (2)	5.340	3453	2.341 ng/ml
11) Aroclor 1221 (3)	5.378	3851	0.794 ng/ml
12) Aroclor 1221 (4)	5.868	2129	2.437 ng/ml
13) Aroclor 1221 (5)	6.174	43492	46.319 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.378	3851	1.040 ng/ml
16) Aroclor 1232 (2)	6.174	43492	8.565 ng/ml
17) Aroclor 1232 (3)	6.265	30880	11.056 ng/ml
18) Aroclor 1232 (4)	6.418	14611	7.828 ng/ml
19) Aroclor 1232 (5)	6.638	17784	7.194 ng/ml
20) Aroclor 1232 (6)	6.763	14916	7.446 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.747	397	0.081 ng/ml
23) Aroclor 1242 (2)	6.174	43492	4.279 ng/ml
24) Aroclor 1242 (3)	6.265	30880	5.761 ng/ml
25) Aroclor 1242 (4)	6.418	14611	3.598 ng/ml
26) Aroclor 1242 (5)	6.638	17784	3.446 ng/ml
27) Aroclor 1242 (6)	6.763	14916	3.572 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.174	43492	7.349 ng/ml
30) Aroclor 1248 (2)	6.418	14611	2.083 ng/ml
31) Aroclor 1248 (3)	6.638	17784	2.104 ng/ml
32) Aroclor 1248 (4)	6.931	50271	4.997 ng/ml
33) Aroclor 1248 (5)	6.964	19141	1.879 ng/ml
34) Aroclor 1248 (6)	7.448	17167	3.103 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.964	19141	1.884 ng/ml
37) Aroclor 1254 (2)	7.072	15951	1.293 ng/ml
38) Aroclor 1254 (3)	7.448	17167	0.951 ng/ml
39) Aroclor 1254 (4)	7.606	8820	0.682 ng/ml
40) Aroclor 1254 (5)	7.991	27650	2.148 ng/ml
41) Aroclor 1254 (6)	8.280	8787	2.069 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.561	20584	1.552 ng/ml
44) Aroclor 1260 (2)	7.693	31413	1.875 ng/ml

LCMDL

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 6:27 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:58:50 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.251	17791	1.424 ng/ml
46) Aroclor 1260 (4)	8.415	83324	2.960 ng/ml
47) Aroclor 1260 (5)	8.720	22182	1.171 ng/ml
48) Aroclor 1260 (6)	9.113	8792	1.095 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.693	31413	2.467 ng/ml
51) Aroclor 1262 (2)	8.017	18241	1.038 ng/ml
52) Aroclor 1262 (3)	8.251	17791	1.172 ng/ml
53) Aroclor 1262 (4)	8.415	83324	2.641 ng/ml
54) Aroclor 1262 (5)	8.720	22182	1.144 ng/ml
55) Aroclor 1262 (6)	9.113	8792	0.814 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.251	17791	2.069 ng/ml
58) Aroclor 1268 (2)	8.667	10831	0.291 ng/ml
59) Aroclor 1268 (3)	8.720	22182	0.677 ng/ml
60) Aroclor 1268 (4)	8.898	51846	1.753 ng/ml
61) Aroclor 1268 (5)	9.113	8792	0.749 ng/ml
62) Aroclor 1268 (6)	9.375	47047	0.566 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

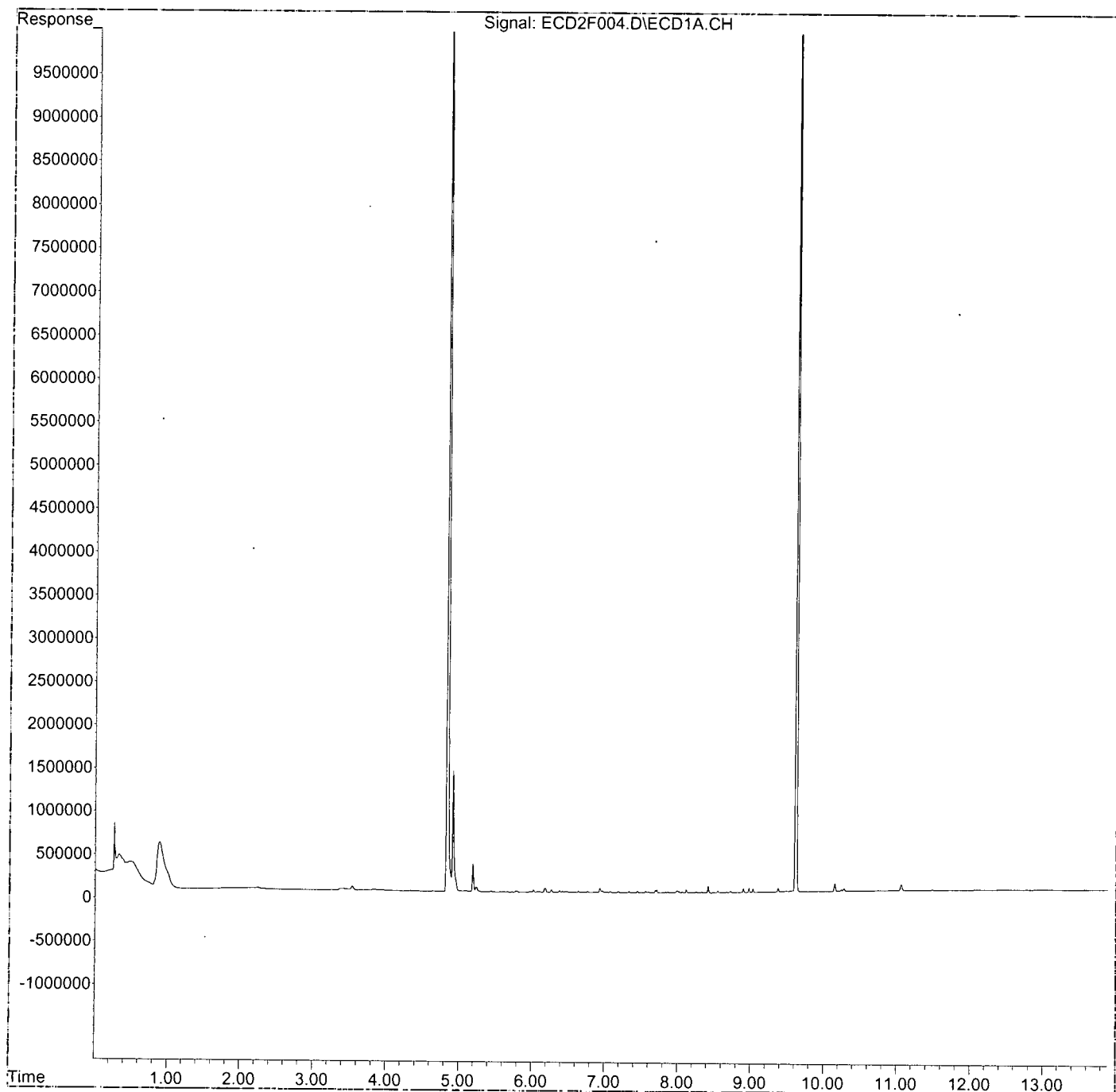
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 6:27 pm
Operator : MJB / KAK
Sample : 0D26012-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:58:50 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:48 pm
 Operator : MJB / KAK
 Sample : OD26012-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:59:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	10116	0.055 ng/ml
64) S DCBP (S)	9.615	35049	0.197 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.749	1188	0.182 ng/ml
3) Aroclor 1016 (2)	6.173	20548	1.586 ng/ml
4) Aroclor 1016 (3)	6.235	120	0.017 ng/ml
5) Aroclor 1016 (4)	6.422	8116	1.383 ng/ml
6) Aroclor 1016 (5)	6.638	8254	1.173 ng/ml
7) Aroclor 1016 (6)	6.763	7582	1.572 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.189	7233	3.321 ng/ml
10) Aroclor 1221 (2)	5.312	260	0.176 ng/ml
11) Aroclor 1221 (3)	5.376	5409	1.116 ng/ml
12) Aroclor 1221 (4)	5.863	1036	1.186 ng/ml
13) Aroclor 1221 (5)	6.173	20548	21.884 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.376	5409	1.461 ng/ml
16) Aroclor 1232 (2)	6.173	20548	4.046 ng/ml
17) Aroclor 1232 (3)	6.265	12669	4.536 ng/ml
18) Aroclor 1232 (4)	6.422	8116	4.348 ng/ml
19) Aroclor 1232 (5)	6.638	8254	3.339 ng/ml
20) Aroclor 1232 (6)	6.763	7582	3.785 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.749	1188	0.241 ng/ml
23) Aroclor 1242 (2)	6.173	20548	2.022 ng/ml
24) Aroclor 1242 (3)	6.265	12669	2.364 ng/ml
25) Aroclor 1242 (4)	6.422	8116	1.998 ng/ml
26) Aroclor 1242 (5)	6.638	8254	1.600 ng/ml
27) Aroclor 1242 (6)	6.763	7582	1.816 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.173	20548	3.472 ng/ml
30) Aroclor 1248 (2)	6.422	8116	1.157 ng/ml
31) Aroclor 1248 (3)	6.638	8254	0.977 ng/ml
32) Aroclor 1248 (4)	6.932	40807	4.056 ng/ml
33) Aroclor 1248 (5)	6.962	13671	1.342 ng/ml
34) Aroclor 1248 (6)	7.449	10855	1.962 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.962	13671	1.346 ng/ml
37) Aroclor 1254 (2)	7.071	10039	0.814 ng/ml
38) Aroclor 1254 (3)	7.449	10855	0.602 ng/ml
39) Aroclor 1254 (4)	7.607	3520	0.272 ng/ml
40) Aroclor 1254 (5)	7.987	12462	0.968 ng/ml
41) Aroclor 1254 (6)	8.281	1075	0.253 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.560	12333	0.930 ng/ml
44) Aroclor 1260 (2)	7.693	16871	1.007 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:48 pm
 Operator : MJB / KAK
 Sample : 0D26012-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:59:11 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	8673	0.694 ng/ml
46) Aroclor 1260 (4)	8.418	22047	0.783 ng/ml
47) Aroclor 1260 (5)	8.720	12030	0.635 ng/ml
48) Aroclor 1260 (6)	9.112	5400	0.672 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.693	16871	1.325 ng/ml
51) Aroclor 1262 (2)	8.018	9771	0.556 ng/ml
52) Aroclor 1262 (3)	8.250	8673	0.571 ng/ml
53) Aroclor 1262 (4)	8.418	22047	0.699 ng/ml
54) Aroclor 1262 (5)	8.720	12030	0.620 ng/ml
55) Aroclor 1262 (6)	9.112	5400	0.500 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.250	8673	1.009 ng/ml
58) Aroclor 1268 (2)	8.667	4380	0.118 ng/ml
59) Aroclor 1268 (3)	8.720	12030	0.367 ng/ml
60) Aroclor 1268 (4)	8.898	1507	0.051 ng/ml
61) Aroclor 1268 (5)	9.112	5400	0.460 ng/ml
62) Aroclor 1268 (6)	9.374	3383	0.041 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

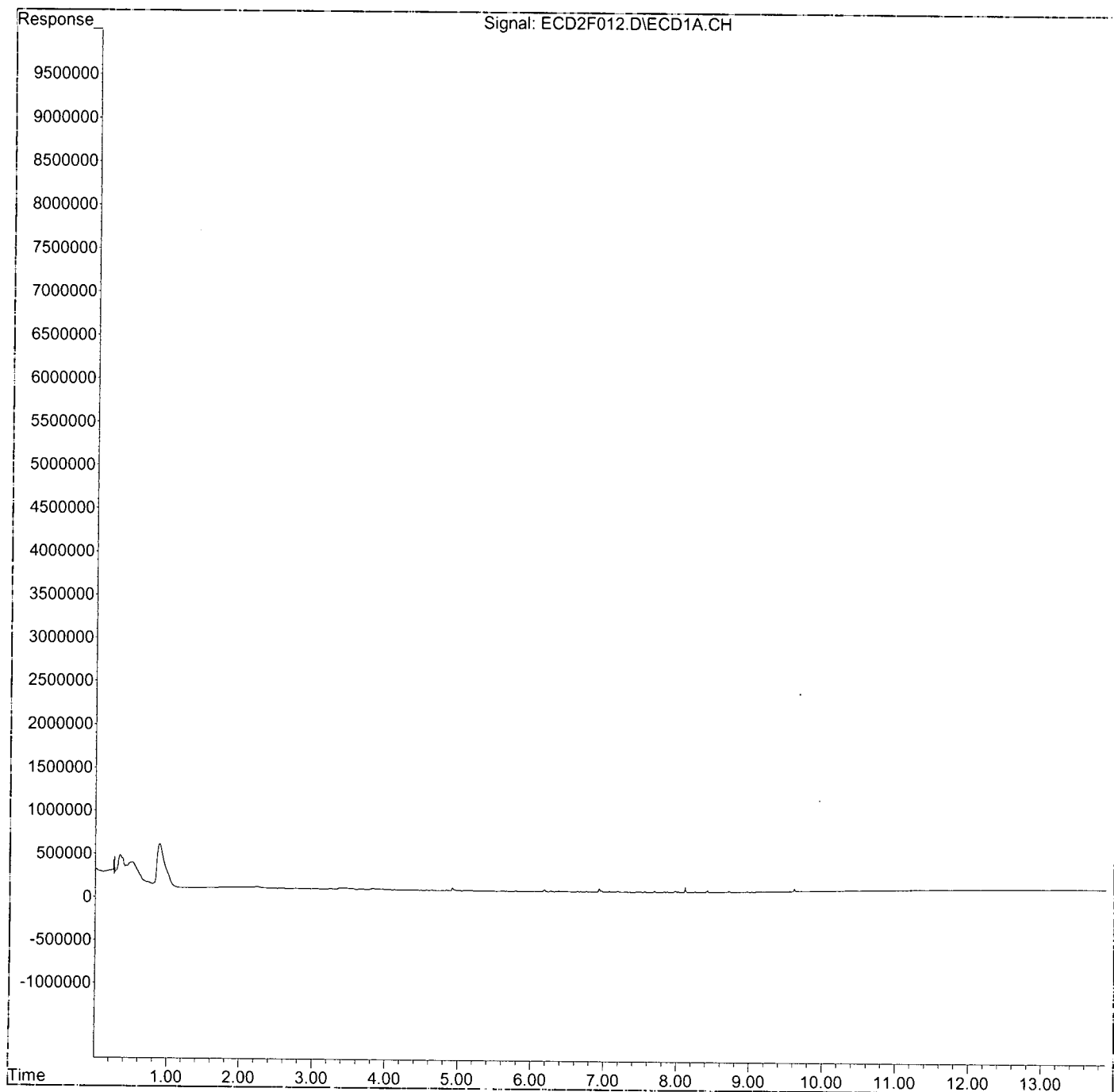
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 8:48 pm
Operator : MJB / KAK
Sample : 0D26012-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:59:11 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:06 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:23:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Handwritten: 4/27/20
 1016, 1260

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.836	38209827	206.306 ng/ml
64) S DCBP (S)	9.617	35321324	198.238 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.754	2949101	450.992 ng/ml
3) Aroclor 1016 (2)	6.168	6202509	478.789 ng/ml
4) Aroclor 1016 (3)	6.249	3319897	465.484 ng/ml
5) Aroclor 1016 (4)	6.408	2577005	439.166 ng/ml
6) Aroclor 1016 (5)	6.630	3176665	451.346 ng/ml
7) Aroclor 1016 (6)	6.757	2128314	441.155 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.191	878979	403.588 ng/ml
10) Aroclor 1221 (2)	5.314	349142	236.717 ng/ml
11) Aroclor 1221 (3)	5.394	1663927	343.292 ng/ml
12) Aroclor 1221 (4)	5.864	342772	392.439 ng/ml
13) Aroclor 1221 (5)	6.168	6202509	6605.735 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.394	1663927	449.540 ng/ml
16) Aroclor 1232 (2)	6.168	6202509	1221.424 ng/ml
17) Aroclor 1232 (3)	6.249	3319897	1188.617 ng/ml
18) Aroclor 1232 (4)	6.408	2577005	1380.650 ng/ml
19) Aroclor 1232 (5)	6.630	3176665	1284.980 ng/ml
20) Aroclor 1232 (6)	6.757	2128314	1062.494 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.754	2949101	598.556 ng/ml
23) Aroclor 1242 (2)	6.168	6202509	610.207 ng/ml
24) Aroclor 1242 (3)	6.249	3319897	619.387 ng/ml
25) Aroclor 1242 (4)	6.408	2577005	634.500 ng/ml
26) Aroclor 1242 (5)	6.630	3176665	615.594 ng/ml
27) Aroclor 1242 (6)	6.757	2128314	509.696 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.168	6202509	1048.011 ng/ml
30) Aroclor 1248 (2)	6.408	2577005	367.349 ng/ml
31) Aroclor 1248 (3)	6.630	3176665	375.889 ng/ml
32) Aroclor 1248 (4)	6.924	562716	55.937 ng/ml
33) Aroclor 1248 (5)	6.959	2463539	241.820 ng/ml
34) Aroclor 1248 (6)	7.447	4902922	886.313 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.959	2463539	242.532 ng/ml
37) Aroclor 1254 (2)	7.068	2549935	206.776 ng/ml
38) Aroclor 1254 (3)	7.447	4902922	271.746 ng/ml
39) Aroclor 1254 (4)	7.605	553990	42.820 ng/ml
40) Aroclor 1254 (5)	7.986	7132226	554.048 ng/ml
41) Aroclor 1254 (6)	8.280	821715	193.475 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	6989664	527.031 ng/ml
44) Aroclor 1260 (2)	7.691	8661003	516.888 ng/ml

Handwritten: 454.489

Handwritten: 463.424

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:06 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:23:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.250	5687107	455.125 ng/ml
46)	Aroclor 1260 (4)	8.418	12811795	455.162 ng/ml
47)	Aroclor 1260 (5)	8.719	8615035	454.926 ng/ml
48)	Aroclor 1260 (6)	9.113	2982559	371.413 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.691	8661003	680.155 ng/ml
51)	Aroclor 1262 (2)	8.017	5276399	300.363 ng/ml
52)	Aroclor 1262 (3)	8.250	5687107	374.642 ng/ml
53)	Aroclor 1262 (4)	8.418	12811795	406.141 ng/ml
54)	Aroclor 1262 (5)	8.719	8615035	444.154 ng/ml
55)	Aroclor 1262 (6)	9.113	2982559	276.102 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.250	5687107	661.354 ng/ml
58)	Aroclor 1268 (2)	8.667	2519797	67.695 ng/ml
59)	Aroclor 1268 (3)	8.719	8615035	263.110 ng/ml
60)	Aroclor 1268 (4)	8.897	356242	12.046 ng/ml
61)	Aroclor 1268 (5)	9.113	2982559	253.980 ng/ml
62)	Aroclor 1268 (6)	9.374	855415	10.291 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

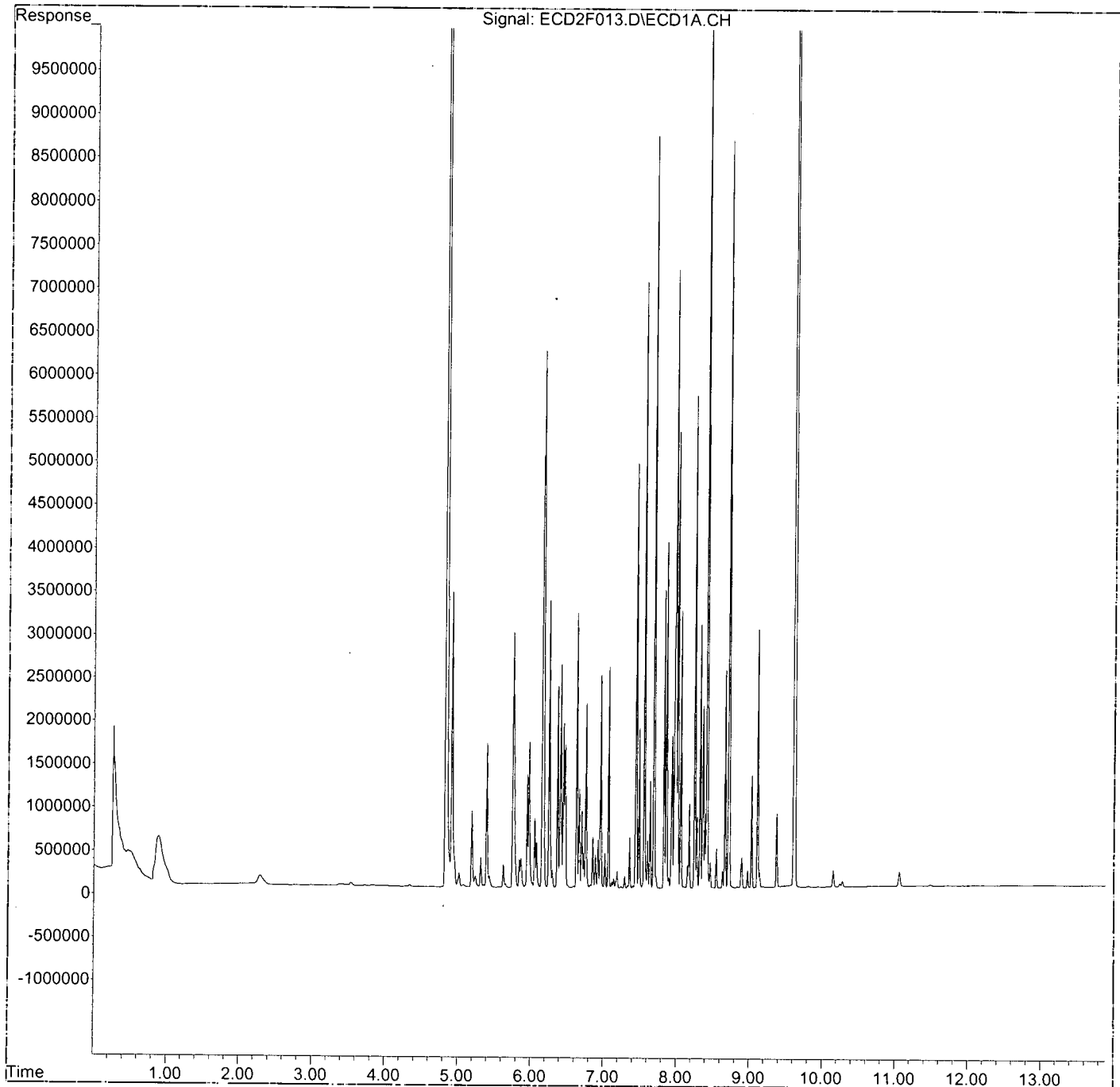
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 9:06 pm
Operator : MJB / KAK
Sample : 0D26012-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 12:23:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 11:26 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:24:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Handwritten:
 4/27/20
 1221, 1254

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.838	7265985	39.231 ng/ml
64) S DCBP (S)	9.617	14603575	81.961 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.756	782691	119.693 ng/ml
3) Aroclor 1016 (2)	6.170	944850	72.936 ng/ml
4) Aroclor 1016 (3)	6.252	599342	84.034 ng/ml
5) Aroclor 1016 (4)	6.409	2980429	507.916 ng/ml
6) Aroclor 1016 (5)	6.630	1935179	274.953 ng/ml
7) Aroclor 1016 (6)	6.758	849417	176.066 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.197	2084009	956.884 ng/ml
10) Aroclor 1221 (2)	5.315	1390143	942.511 ng/ml
11) Aroclor 1221 (3)	5.396	4774634	985.076 ng/ml
12) Aroclor 1221 (4)	5.864	815864	934.082 ng/ml
13) Aroclor 1221 (5)	6.170	944850	1006.275 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.396	4774634	1289.955 ng/ml
16) Aroclor 1232 (2)	6.170	944850	186.064 ng/ml
17) Aroclor 1232 (3)	6.252	599342	214.581 ng/ml
18) Aroclor 1232 (4)	6.409	2980429	1596.788 ng/ml
19) Aroclor 1232 (5)	6.630	1935179	782.791 ng/ml
20) Aroclor 1232 (6)	6.758	849417	424.045 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.756	782691	158.857 ng/ml
23) Aroclor 1242 (2)	6.170	944850	92.955 ng/ml
24) Aroclor 1242 (3)	6.252	599342	111.818 ng/ml
25) Aroclor 1242 (4)	6.409	2980429	733.830 ng/ml
26) Aroclor 1242 (5)	6.630	1935179	375.011 ng/ml
27) Aroclor 1242 (6)	6.758	849417	203.421 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.170	944850	159.647 ng/ml
30) Aroclor 1248 (2)	6.409	2980429	424.856 ng/ml
31) Aroclor 1248 (3)	6.630	1935179	228.986 ng/ml
32) Aroclor 1248 (4)	6.925	2998194	298.038 ng/ml
33) Aroclor 1248 (5)	6.960	5467109	536.649 ng/ml
34) Aroclor 1248 (6)	7.440	9158110	1655.533 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.960	5467109	538.230 ng/ml
37) Aroclor 1254 (2)	7.069	6120952	496.352 ng/ml
38) Aroclor 1254 (3)	7.440	9158110	507.592 ng/ml
39) Aroclor 1254 (4)	7.606	6391343	494.016 ng/ml
40) Aroclor 1254 (5)	7.987	6511210	505.806 ng/ml
41) Aroclor 1254 (6)	8.280	2055408	483.950 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.560	3507646	264.482 ng/ml
44) Aroclor 1260 (2)	7.692	4149638	247.650 ng/ml

Handwritten: 96A.966

Handwritten: 50A.32A

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 11:26 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:24:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
45)	Aroclor 1260 (3)	8.251	558441	44.691 ng/ml
46)	Aroclor 1260 (4)	8.419	1257790	44.685 ng/ml
47)	Aroclor 1260 (5)	8.720	1155211	61.002 ng/ml
48)	Aroclor 1260 (6)	9.113	88850	11.064 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.692	4149638	325.874 ng/ml
51)	Aroclor 1262 (2)	8.017	433887	24.699 ng/ml
52)	Aroclor 1262 (3)	8.251	558441	36.788 ng/ml
53)	Aroclor 1262 (4)	8.419	1257790	39.873 ng/ml
54)	Aroclor 1262 (5)	8.720	1155211	59.558 ng/ml
55)	Aroclor 1262 (6)	9.113	88850	8.225 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.251	558441	64.941 ng/ml
58)	Aroclor 1268 (2)	8.667	73743	1.981 ng/ml
59)	Aroclor 1268 (3)	8.720	1155211	35.281 ng/ml
60)	Aroclor 1268 (4)	8.891	77838	2.632 ng/ml
61)	Aroclor 1268 (5)	9.113	88850	7.566 ng/ml
62)	Aroclor 1268 (6)	9.376	59443	0.715 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

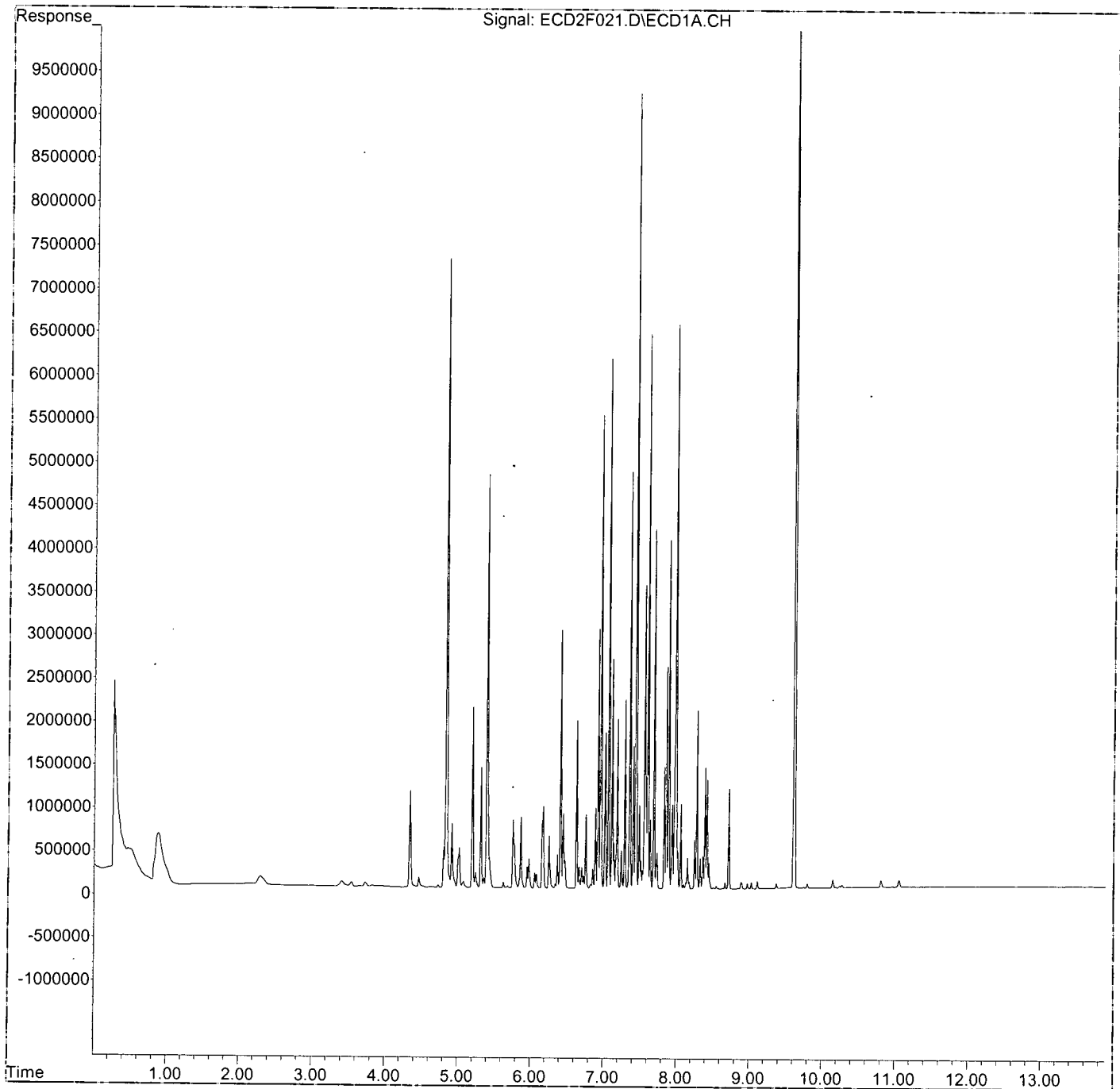
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 11:26 pm
Operator : MJB / KAK
Sample : 0D26012-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 12:24:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 11:43 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:25:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 1232, 1262

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.836	6803797	36.736 ng/ml
64) S DCBP (S)	9.615	13894464	77.981 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.754	1343835	205.506 ng/ml
3) Aroclor 1016 (2)	6.169	2577623	198.974 ng/ml
4) Aroclor 1016 (3)	6.250	1427535	200.155 ng/ml
5) Aroclor 1016 (4)	6.408	998933	170.235 ng/ml
6) Aroclor 1016 (5)	6.630	1327561	188.622 ng/ml
7) Aroclor 1016 (6)	6.757	993879	206.010 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.196	660683	303.356 ng/ml
10) Aroclor 1221 (2)	5.314	509716	345.585 ng/ml
11) Aroclor 1221 (3)	5.395	1857615	383.253 ng/ml
12) Aroclor 1221 (4)	5.864	352838	403.964 ng/ml
13) Aroclor 1221 (5)	6.169	2577623	2745.195 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.395	1857615	501.869 ng/ml
16) Aroclor 1232 (2)	6.169	2577623	507.596 ng/ml
17) Aroclor 1232 (3)	6.250	1427535	511.098 ng/ml
18) Aroclor 1232 (4)	6.408	998933	535.186 ng/ml
19) Aroclor 1232 (5)	6.630	1327561	537.006 ng/ml
20) Aroclor 1232 (6)	6.757	993879	496.163 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.754	1343835	272.748 ng/ml
23) Aroclor 1242 (2)	6.169	2577623	253.588 ng/ml
24) Aroclor 1242 (3)	6.250	1427535	266.333 ng/ml
25) Aroclor 1242 (4)	6.408	998933	245.953 ng/ml
26) Aroclor 1242 (5)	6.630	1327561	257.263 ng/ml
27) Aroclor 1242 (6)	6.757	993879	238.017 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.169	2577623	435.530 ng/ml
30) Aroclor 1248 (2)	6.408	998933	142.397 ng/ml
31) Aroclor 1248 (3)	6.630	1327561	157.088 ng/ml
32) Aroclor 1248 (4)	6.924	1395602	138.731 ng/ml
33) Aroclor 1248 (5)	6.961	1972862	193.655 ng/ml
34) Aroclor 1248 (6)	7.447	4128776	746.369 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.961	1972862	194.226 ng/ml
37) Aroclor 1254 (2)	7.067	1099195	89.134 ng/ml
38) Aroclor 1254 (3)	7.447	4128776	228.839 ng/ml
39) Aroclor 1254 (4)	7.605	464434	35.898 ng/ml
40) Aroclor 1254 (5)	7.986	3135385	243.564 ng/ml
41) Aroclor 1254 (6)	8.279	195376	46.002 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	4825387	363.841 ng/ml
44) Aroclor 1260 (2)	7.691	6191663	369.518 ng/ml

Handwritten: 514.820

Data Path : K:\DATA\0D26012\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 11:43 pm
 Operator : MJB / KAK
 Sample : 0D26012-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:25:27 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.249	7041353	563.502 ng/ml
46) Aroclor 1260 (4)	8.419	14368149	510.454 ng/ml
47) Aroclor 1260 (5)	8.718	8963232	473.313 ng/ml
48) Aroclor 1260 (6)	9.112	5182903	645.419 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.691	6191663	486.236 ng/ml
51) Aroclor 1262 (2)	8.016	8577203	488.263 ng/ml
52) Aroclor 1262 (3)	8.249	7041353	463.853 ng/ml
53) Aroclor 1262 (4)	8.419	14368149	455.479 ng/ml
54) Aroclor 1262 (5)	8.718	8963232	462.106 ng/ml
55) Aroclor 1262 (6)	9.112	5182903	479.793 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.249	7041353	818.839 ng/ml
58) Aroclor 1268 (2)	8.667	5956820	160.031 ng/ml
59) Aroclor 1268 (3)	8.718	8963232	273.744 ng/ml
60) Aroclor 1268 (4)	8.898	449632	15.204 ng/ml
61) Aroclor 1268 (5)	9.112	5182903	441.351 ng/ml
62) Aroclor 1268 (6)	9.374	1587154	19.094 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

472.622

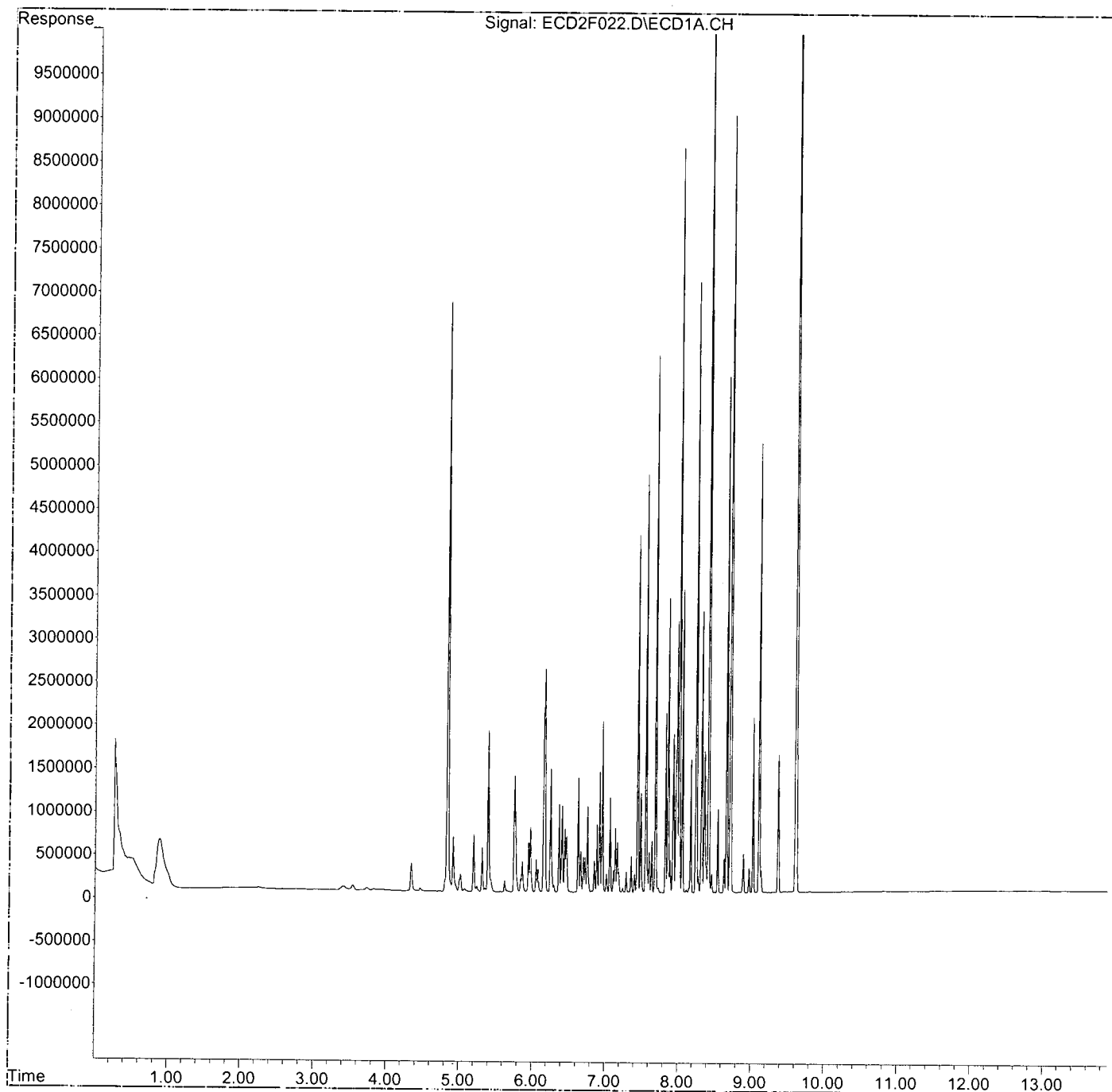
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 11:43 pm
Operator : MJB / KAK
Sample : 0D26012-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 12:25:27 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26012\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 27 Apr 2020 12:01 am
 Operator : MJB / KAK
 Sample : 0D26012-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:25:53 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 1242, 1268

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.837	7255938	39.177 ng/ml
64) S DCBP (S)	9.617	7028593	39.447 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.756	2434013	372.222 ng/ml
3) Aroclor 1016 (2)	6.170	4953685	382.389 ng/ml
4) Aroclor 1016 (3)	6.252	2683535	376.259 ng/ml
5) Aroclor 1016 (4)	6.409	2016436	343.635 ng/ml
6) Aroclor 1016 (5)	6.631	2560950	363.864 ng/ml
7) Aroclor 1016 (6)	6.758	2030647	420.910 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.198	265045	121.697 ng/ml
10) Aroclor 1221 (2)	5.316	308119	208.903 ng/ml
11) Aroclor 1221 (3)	5.396	1395872	287.988 ng/ml
12) Aroclor 1221 (4)	5.866	294320	336.966 ng/ml
13) Aroclor 1221 (5)	6.170	4953685	5275.725 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.396	1395872	377.120 ng/ml
16) Aroclor 1232 (2)	6.170	4953685	975.500 ng/ml
17) Aroclor 1232 (3)	6.252	2683535	960.781 ng/ml
18) Aroclor 1232 (4)	6.409	2016436	1080.321 ng/ml
19) Aroclor 1232 (5)	6.631	2560950	1035.919 ng/ml
20) Aroclor 1232 (6)	6.758	2030647	1013.737 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.756	2434013	494.012 ng/ml
23) Aroclor 1242 (2)	6.170	4953685	487.347 ng/ml
24) Aroclor 1242 (3)	6.252	2683535	500.662 ng/ml
25) Aroclor 1242 (4)	6.409	2016436	496.479 ng/ml
26) Aroclor 1242 (5)	6.631	2560950	496.277 ng/ml
27) Aroclor 1242 (6)	6.758	2030647	486.306 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.170	4953685	837.003 ng/ml
30) Aroclor 1248 (2)	6.409	2016436	287.440 ng/ml
31) Aroclor 1248 (3)	6.631	2560950	303.033 ng/ml
32) Aroclor 1248 (4)	6.925	2675495	265.960 ng/ml
33) Aroclor 1248 (5)	6.964	2912573	285.897 ng/ml
34) Aroclor 1248 (6)	7.441	840235	151.891 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.964	2912573	286.739 ng/ml
37) Aroclor 1254 (2)	7.068	614118	49.799 ng/ml
38) Aroclor 1254 (3)	7.441	840235	46.570 ng/ml
39) Aroclor 1254 (4)	7.606	609683	47.125 ng/ml
40) Aroclor 1254 (5)	7.987	112890	8.770 ng/ml
41) Aroclor 1254 (6)	8.280	49762	11.716 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.563	136616	10.301 ng/ml
44) Aroclor 1260 (2)	7.692	124363	7.422 ng/ml

Handwritten: 493.514

Data Path : K:\DATA\0D26012\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 27 Apr 2020 12:01 am
 Operator : MJB / KAK
 Sample : 0D26012-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:25:53 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.243	4095541	327.756 ng/ml
46) Aroclor 1260 (4)	8.419	1701382	60.445 ng/ml
47) Aroclor 1260 (5)	8.715	15427039	814.641 ng/ml
48) Aroclor 1260 (6)	9.113	5958559	742.010 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.692	124363	9.766 ng/ml
51) Aroclor 1262 (2)	8.017	3304087	188.087 ng/ml
52) Aroclor 1262 (3)	8.243	4095541	269.796 ng/ml
53) Aroclor 1262 (4)	8.419	1701382	53.935 ng/ml
54) Aroclor 1262 (5)	8.715	15427039	795.352 ng/ml
55) Aroclor 1262 (6)	9.113	5958559	551.597 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.243	4095541	476.271 ng/ml
58) Aroclor 1268 (2)	8.668	18784154	504.641 ng/ml
59) Aroclor 1268 (3)	8.715	15427039	471.154 ng/ml
60) Aroclor 1268 (4)	8.899	13925024	470.852 ng/ml
61) Aroclor 1268 (5)	9.113	5958559	507.402 ng/ml
62) Aroclor 1268 (6)	9.377	40046535	481.783 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

485.351

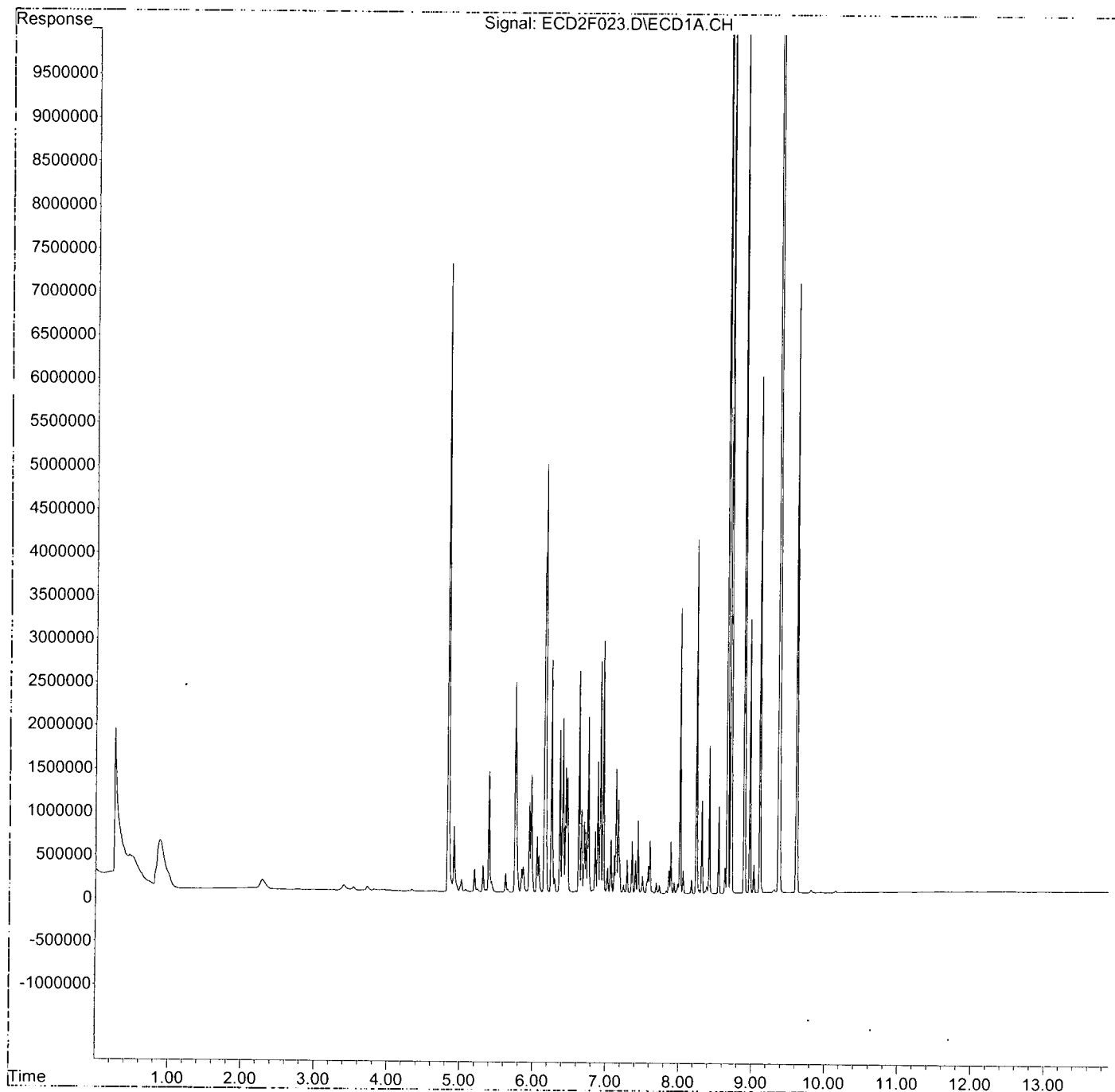
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 27 Apr 2020 12:01 am
Operator : MJB / KAK
Sample : 0D26012-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 12:25:53 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26012\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 27 Apr 2020 12:18 am
 Operator : MJB / KAK
 Sample : 0D26012-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:26:18 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 1248

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.787f	4637	0.025 ng/ml
64) S DCBP (S)	9.617	5807	0.033 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.756	1255484	191.995 ng/ml
3) Aroclor 1016 (2)	6.170	2803112	216.380 ng/ml
4) Aroclor 1016 (3)	6.251	1547956	217.039 ng/ml
5) Aroclor 1016 (4)	6.410	3665607	624.682 ng/ml
6) Aroclor 1016 (5)	6.631	4358567	619.272 ng/ml
7) Aroclor 1016 (6)	6.758	3202056	663.719 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.198	30081	13.812 ng/ml
10) Aroclor 1221 (2)	5.316	30494	20.675 ng/ml
11) Aroclor 1221 (3)	5.397	166718	34.396 ng/ml
12) Aroclor 1221 (4)	5.868	41285	47.267 ng/ml
13) Aroclor 1221 (5)	6.170	2803112	2985.343 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	5.397	166718	45.042 ng/ml
16) Aroclor 1232 (2)	6.170	2803112	552.000 ng/ml
17) Aroclor 1232 (3)	6.251	1547956	554.212 ng/ml
18) Aroclor 1232 (4)	6.410	3665607	1963.877 ng/ml
19) Aroclor 1232 (5)	6.631	4358567	1763.066 ng/ml
20) Aroclor 1232 (6)	6.758	3202056	1598.526 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	5.756	1255484	254.816 ng/ml
23) Aroclor 1242 (2)	6.170	2803112	275.772 ng/ml
24) Aroclor 1242 (3)	6.251	1547956	288.799 ng/ml
25) Aroclor 1242 (4)	6.410	3665607	902.532 ng/ml
26) Aroclor 1242 (5)	6.631	4358567	844.630 ng/ml
27) Aroclor 1242 (6)	6.758	3202056	766.839 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.170	2803112	473.630 ng/ml
30) Aroclor 1248 (2)	6.410	3665607	522.527 ng/ml
31) Aroclor 1248 (3)	6.631	4358567	515.742 ng/ml
32) Aroclor 1248 (4)	6.925	5184525	515.372 ng/ml
33) Aroclor 1248 (5)	6.963	5464905	536.432 ng/ml
34) Aroclor 1248 (6)	7.440	2830371	511.653 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	6.963	5464905	538.013 ng/ml
37) Aroclor 1254 (2)	7.068	1718707	139.371 ng/ml
38) Aroclor 1254 (3)	7.440	2830371	156.874 ng/ml
39) Aroclor 1254 (4)	7.606	2026409	156.630 ng/ml
40) Aroclor 1254 (5)	7.987	431595	33.527 ng/ml
41) Aroclor 1254 (6)	8.281	175610	41.348 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.563	413764	31.198 ng/ml
44) Aroclor 1260 (2)	7.692	271690	16.214 ng/ml

Handwritten: 512.559

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 27 Apr 2020 12:18 am
 Operator : MJB / KAK
 Sample : 0D26012-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 12:26:18 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 12:20:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	46531	3.724 ng/ml
46) Aroclor 1260 (4)	8.419	101813	3.617 ng/ml
47) Aroclor 1260 (5)	8.720	81520	4.305 ng/ml
48) Aroclor 1260 (6)	9.112	25207	3.139 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	7.692	271690	21.336 ng/ml
51) Aroclor 1262 (2)	8.017	44638	2.541 ng/ml
52) Aroclor 1262 (3)	8.250	46531	3.065 ng/ml
53) Aroclor 1262 (4)	8.419	101813	3.228 ng/ml
54) Aroclor 1262 (5)	8.720	81520	4.203 ng/ml
55) Aroclor 1262 (6)	9.112	25207	2.334 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.250	46531	5.411 ng/ml
58) Aroclor 1268 (2)	8.668	27109	0.728 ng/ml
59) Aroclor 1268 (3)	8.720	81520	2.490 ng/ml
60) Aroclor 1268 (4)	8.897	5397	0.182 ng/ml
61) Aroclor 1268 (5)	9.112	25207	2.147 ng/ml
62) Aroclor 1268 (6)	9.375	13134	0.158 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

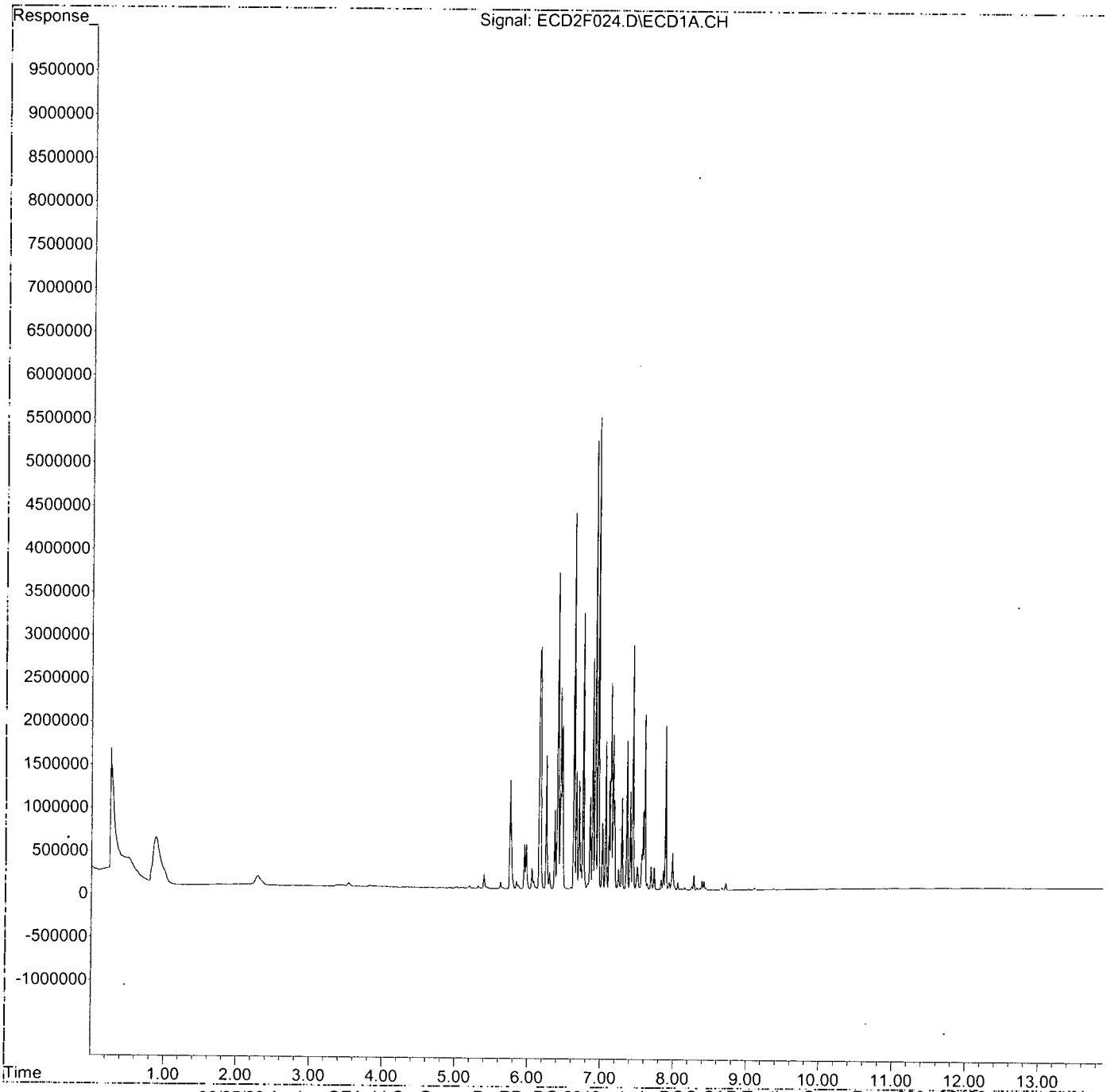
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 27 Apr 2020 12:18 am
Operator : MJB / KAK
Sample : 0D26012-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 12:26:18 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 12:20:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 6:45 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:48:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	1818488	9.819 ng/ml
64) S DCBP (S)	9.616	1763757	9.899 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.754	160687	24.573 ng/ml
3) Aroclor 1016 (2)	6.170	292977	22.616 ng/ml
4) Aroclor 1016 (3)	6.250	169714	23.796 ng/ml
5) Aroclor 1016 (4)	6.408	143762	24.500 ng/ml
6) Aroclor 1016 (5)	6.630	168968	24.007 ng/ml
7) Aroclor 1016 (6)	6.757	122069	25.302 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	316801	23.887 ng/ml
44) Aroclor 1260 (2)	7.692	385605	23.013 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 6:45 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:48:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	279330	22.354 ng/ml
46) Aroclor 1260 (4)	8.419	588100	20.893 ng/ml
47) Aroclor 1260 (5)	8.719	416708	22.005 ng/ml
48) Aroclor 1260 (6)	9.113	178633	22.245 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

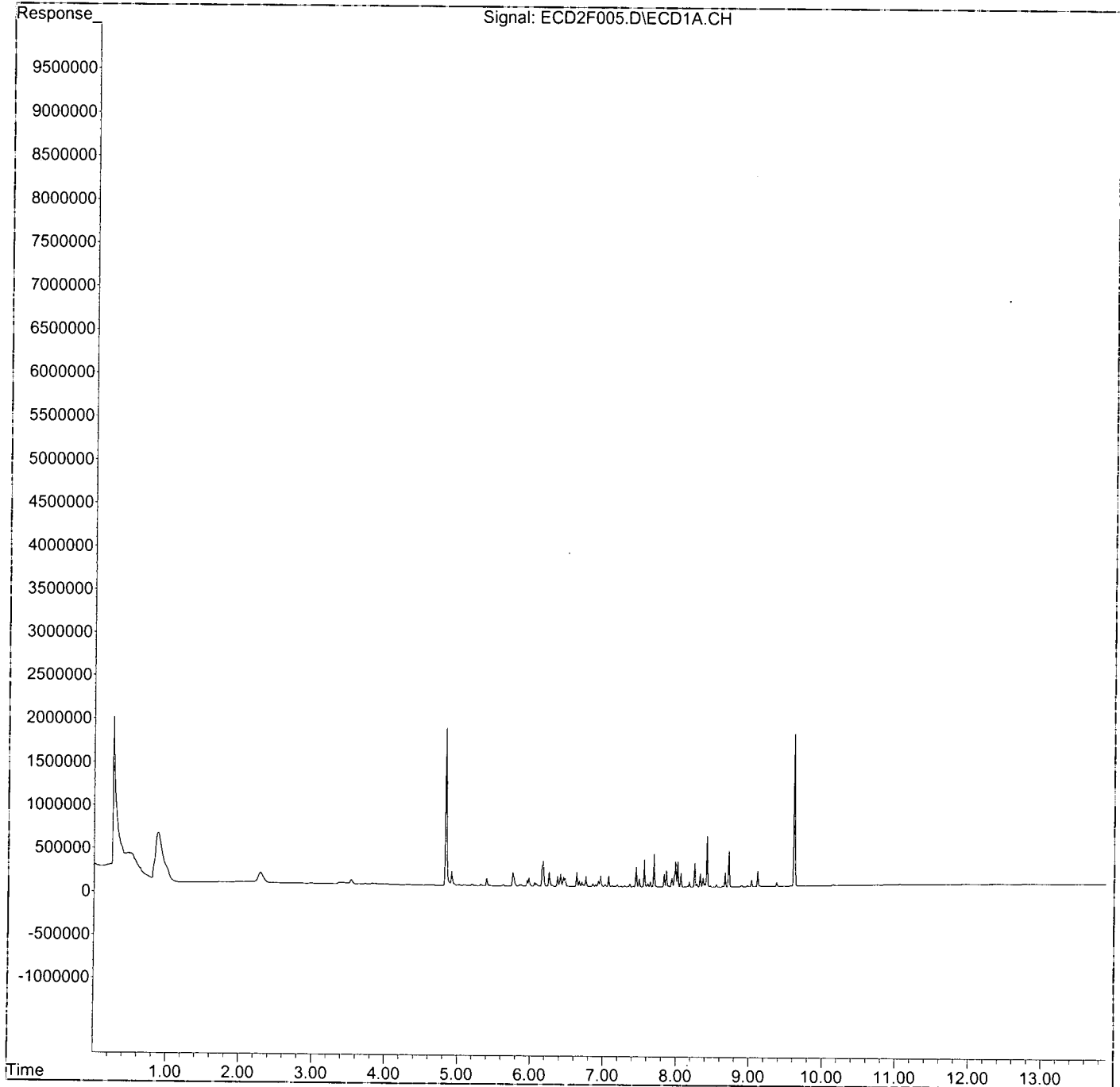
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 6:45 pm
Operator : MJB / KAK
Sample : 0D26012-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:48:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:03 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:49:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	4577107	24.713 ng/ml ✓
64) S DCBP (S)	9.616	4500425	25.258 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.754	362790	55.480 ng/ml
3) Aroclor 1016 (2)	6.170	678422	52.369 ng/ml
4) Aroclor 1016 (3)	6.251	383633	53.789 ng/ml
5) Aroclor 1016 (4)	6.407	321826	54.845 ng/ml
6) Aroclor 1016 (5)	6.630	380719	54.093 ng/ml
7) Aroclor 1016 (6)	6.757	265386	55.009 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	691671	52.153 ng/ml
44) Aroclor 1260 (2)	7.691	870470	51.950 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:03 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:49:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.249	651705	52.154 ng/ml
46) Aroclor 1260 (4)	8.418	1365824	48.523 ng/ml
47) Aroclor 1260 (5)	8.719	967528	51.091 ng/ml
48) Aroclor 1260 (6)	9.113	423886	52.786 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

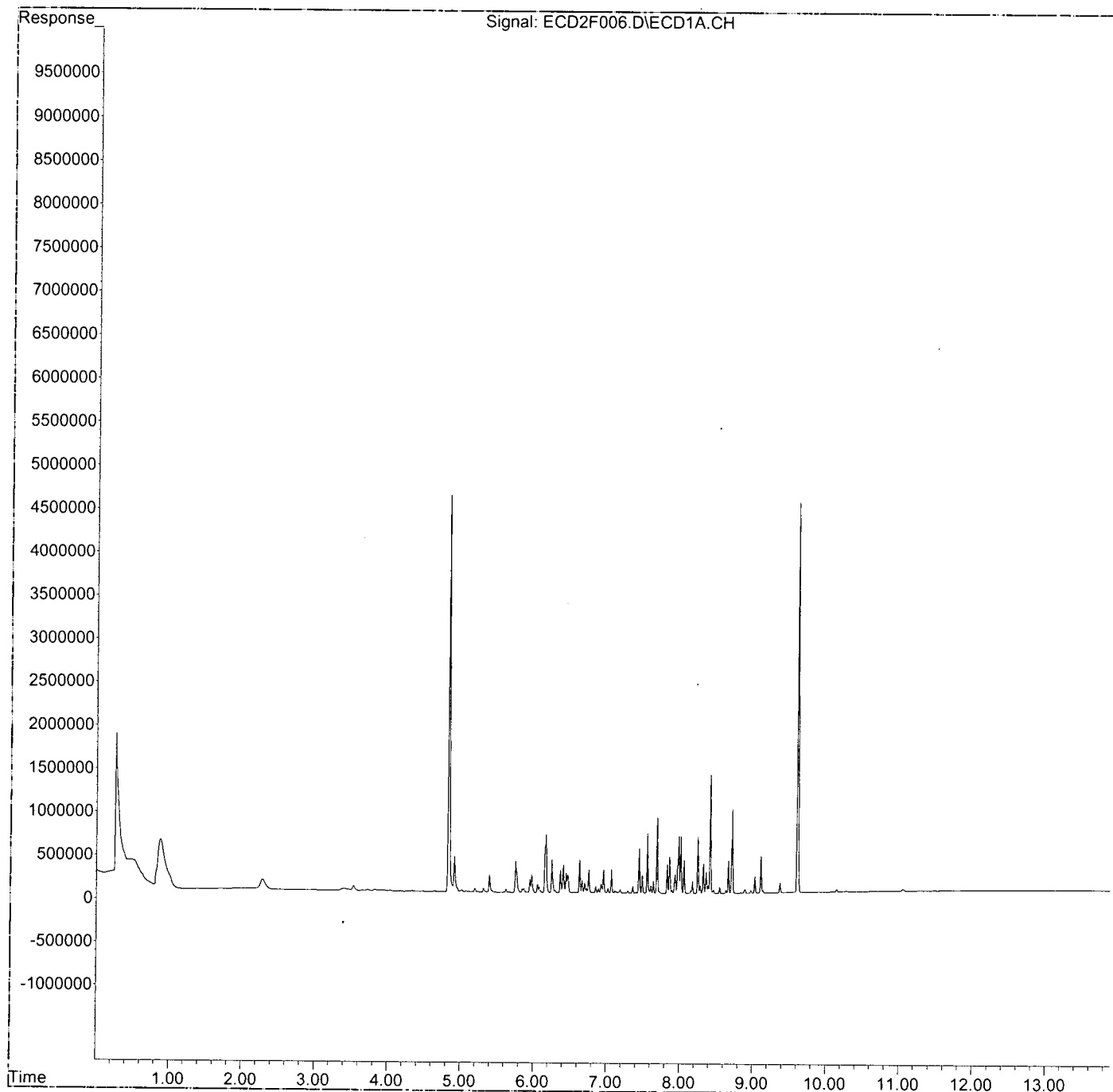
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:03 pm
Operator : MJB / KAK
Sample : 0D26012-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:49:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:20 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:50:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	9316060	50.300 ng/ml ✓
64) S DCBP (S)	9.616	9043666	50.757 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.755	660359	100.986 ng/ml
3) Aroclor 1016 (2)	6.170	1294631	99.936 ng/ml
4) Aroclor 1016 (3)	6.250	714884	100.234 ng/ml
5) Aroclor 1016 (4)	6.408	606640	103.382 ng/ml
6) Aroclor 1016 (5)	6.630	728667	103.530 ng/ml
7) Aroclor 1016 (6)	6.757	487054	100.956 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	1339918	101.032 ng/ml ✓
44) Aroclor 1260 (2)	7.691	1683300	100.459 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:20 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:50:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.249	1257364	100.624 ng/ml
46) Aroclor 1260 (4)	8.418	2750394	97.713 ng/ml
47) Aroclor 1260 (5)	8.719	1912495	100.991 ng/ml
48) Aroclor 1260 (6)	9.112	794738	98.968 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

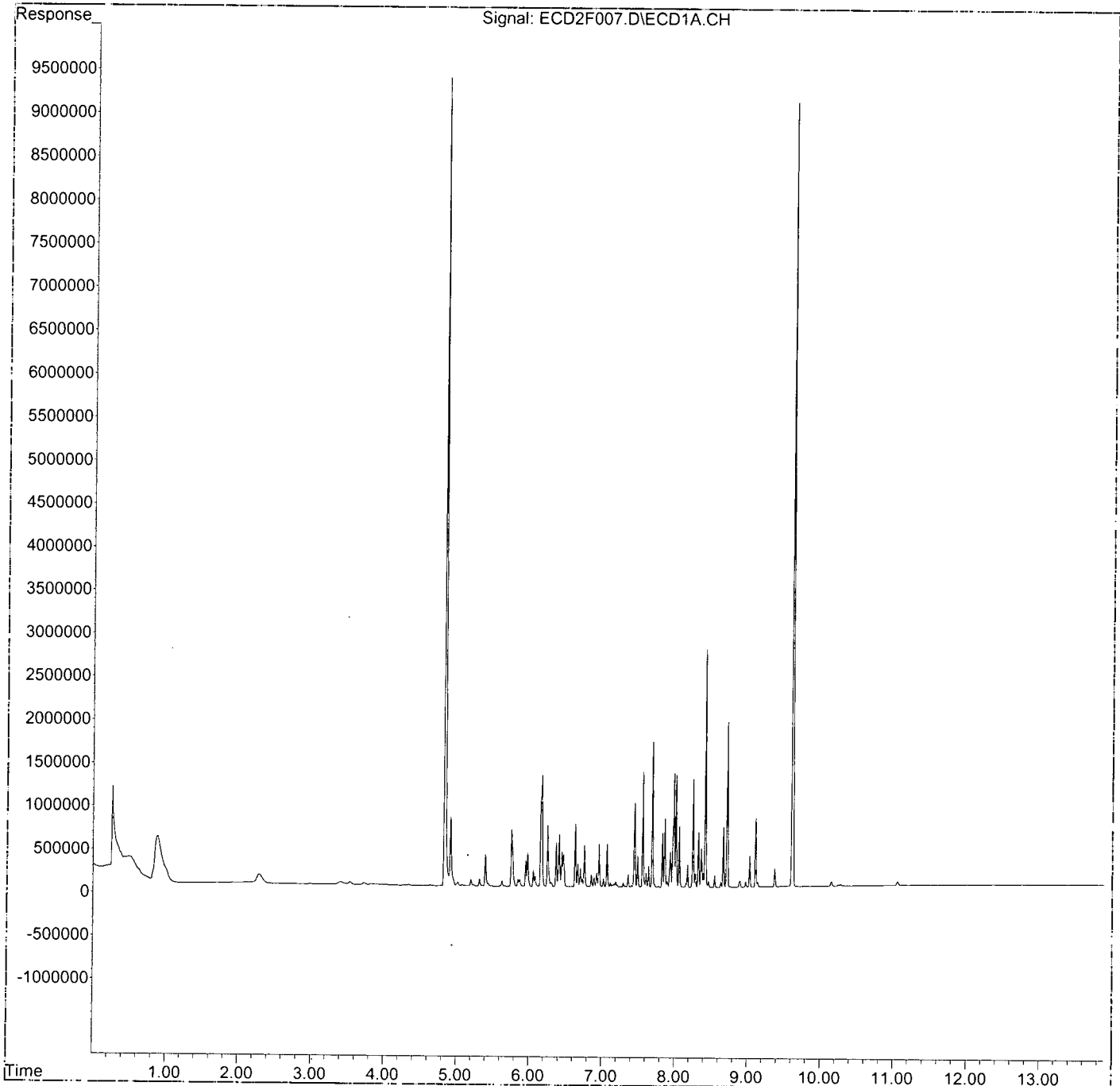
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:20 pm
Operator : MJB / KAK
Sample : 0D26012-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:50:24 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:38 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:51:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.836	18413549	99.420 ng/ml ✓
64) S DCBP (S)	9.616	18075638	101.448 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.755	1252522	191.542 ng/ml
3) Aroclor 1016 (2)	6.170	2587662	199.749 ng/ml
4) Aroclor 1016 (3)	6.251	1425617	199.886 ng/ml
5) Aroclor 1016 (4)	6.408	1116260	190.230 ng/ml
6) Aroclor 1016 (5)	6.631	1334556	189.616 ng/ml
7) Aroclor 1016 (6)	6.757	893296	185.162 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	2591486	195.402 ng/ml ✓
44) Aroclor 1260 (2)	7.692	3294378	196.608 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:38 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:51:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	2464101	197.196 ng/ml
46) Aroclor 1260 (4)	8.418	5691125	202.187 ng/ml
47) Aroclor 1260 (5)	8.719	3742976	197.652 ng/ml
48) Aroclor 1260 (6)	9.112	1534132	191.043 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

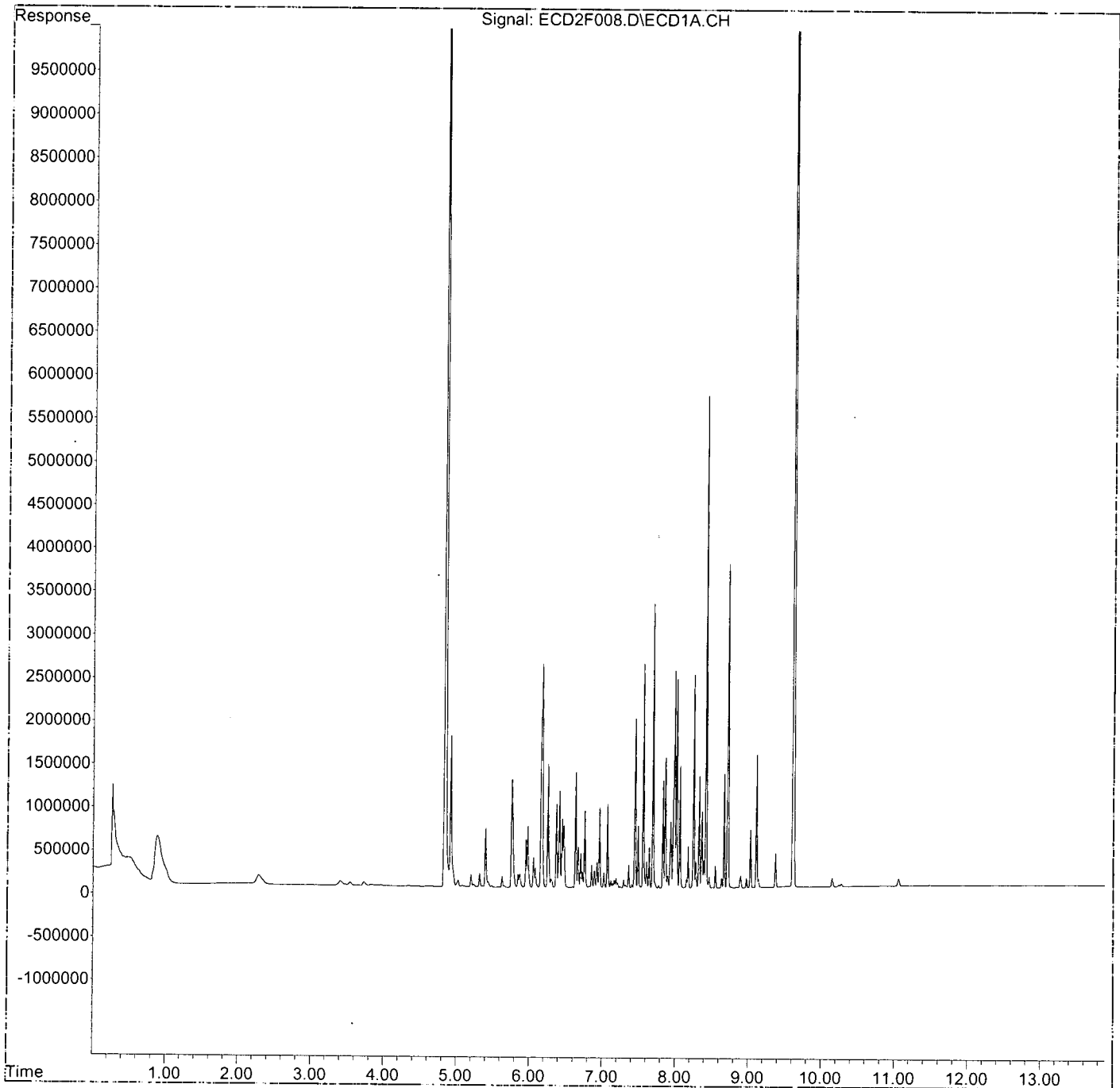
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:38 pm
Operator : MJB / KAK
Sample : 0D26012-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:51:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:55 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:52:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.836	43243283	233.483 ng/ml ✓
64) S DCBP (S)	9.617	41722307	234.163 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.754	3007276	459.888 ng/ml
3) Aroclor 1016 (2)	6.169	6179055	476.979 ng/ml
4) Aroclor 1016 (3)	6.249	3299771	462.662 ng/ml
5) Aroclor 1016 (4)	6.407	2753573	469.256 ng/ml
6) Aroclor 1016 (5)	6.630	3316303	471.186 ng/ml
7) Aroclor 1016 (6)	6.757	2244714	465.282 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	6137505	462.777 ng/ml ✓
44) Aroclor 1260 (2)	7.691	7885627	470.613 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:55 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:52:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	5941002	475.443 ng/ml
46) Aroclor 1260 (4)	8.419	13482805	479.001 ng/ml
47) Aroclor 1260 (5)	8.719	9071060	479.007 ng/ml
48) Aroclor 1260 (6)	9.113	3903473	486.093 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

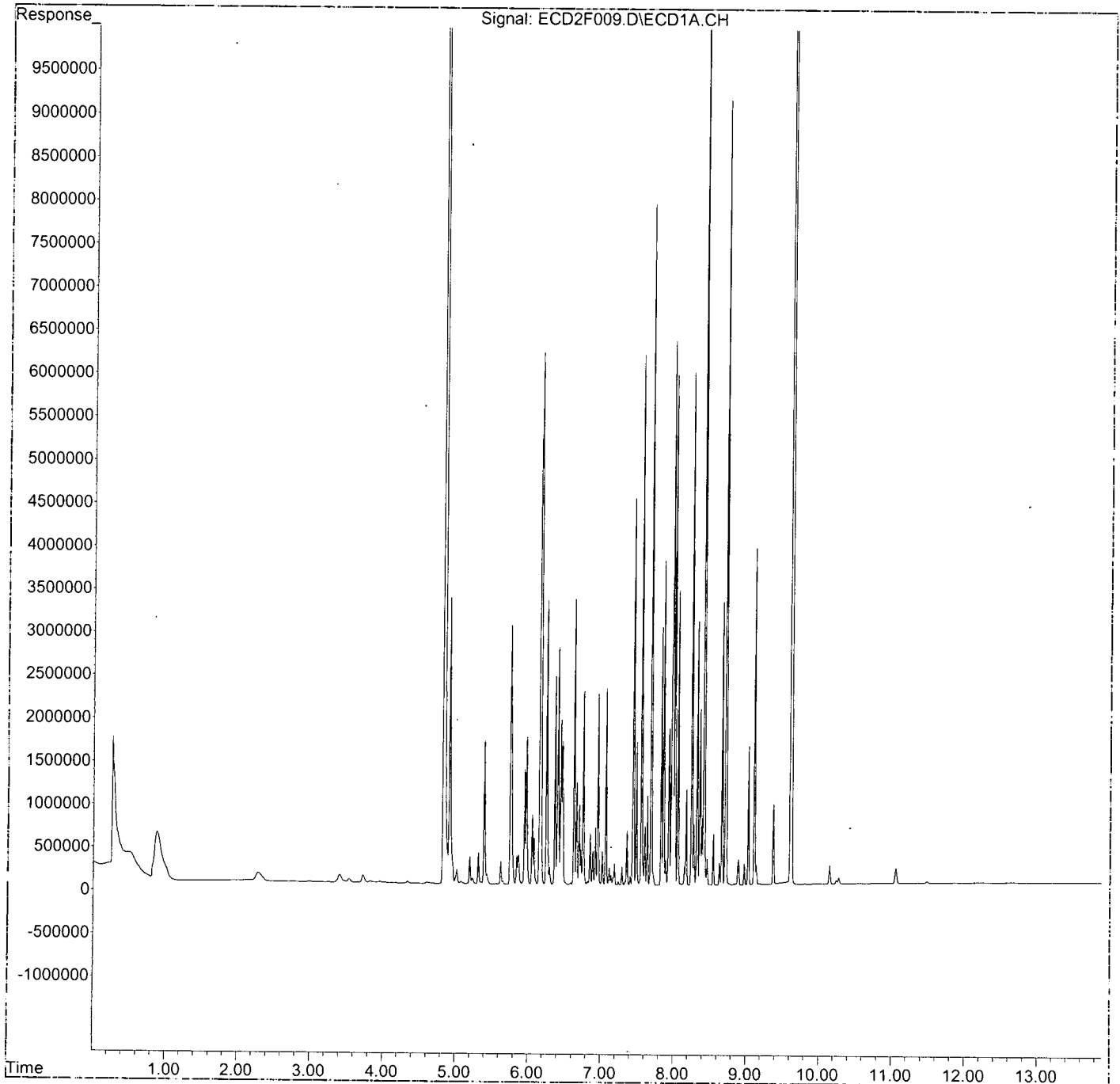
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:55 pm
Operator : MJB / KAK
Sample : 0D26012-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:52:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:13 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:53:00 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.837	97759432	527.831 ng/ml
64) S DCBP (S)	9.616	92557948	519.473 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.754	5732342	876.620 ng/ml
3) Aroclor 1016 (2)	6.168	11802822	911.093 ng/ml
4) Aroclor 1016 (3)	6.249	6246643	875.844 ng/ml
5) Aroclor 1016 (4)	6.407	5057141	861.823 ng/ml
6) Aroclor 1016 (5)	6.629	6232395	885.509 ng/ml
7) Aroclor 1016 (6)	6.755	4196029	869.749 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	11955454	901.458 ng/ml
44) Aroclor 1260 (2)	7.691	15224305	908.585 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:13 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:53:00 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale.Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.249	11857284	948.908 ng/ml
46) Aroclor 1260 (4)	8.418	28554386	1014.446 ng/ml
47) Aroclor 1260 (5)	8.718	17689376	934.106 ng/ml
48) Aroclor 1260 (6)	9.111	7635524	950.840 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

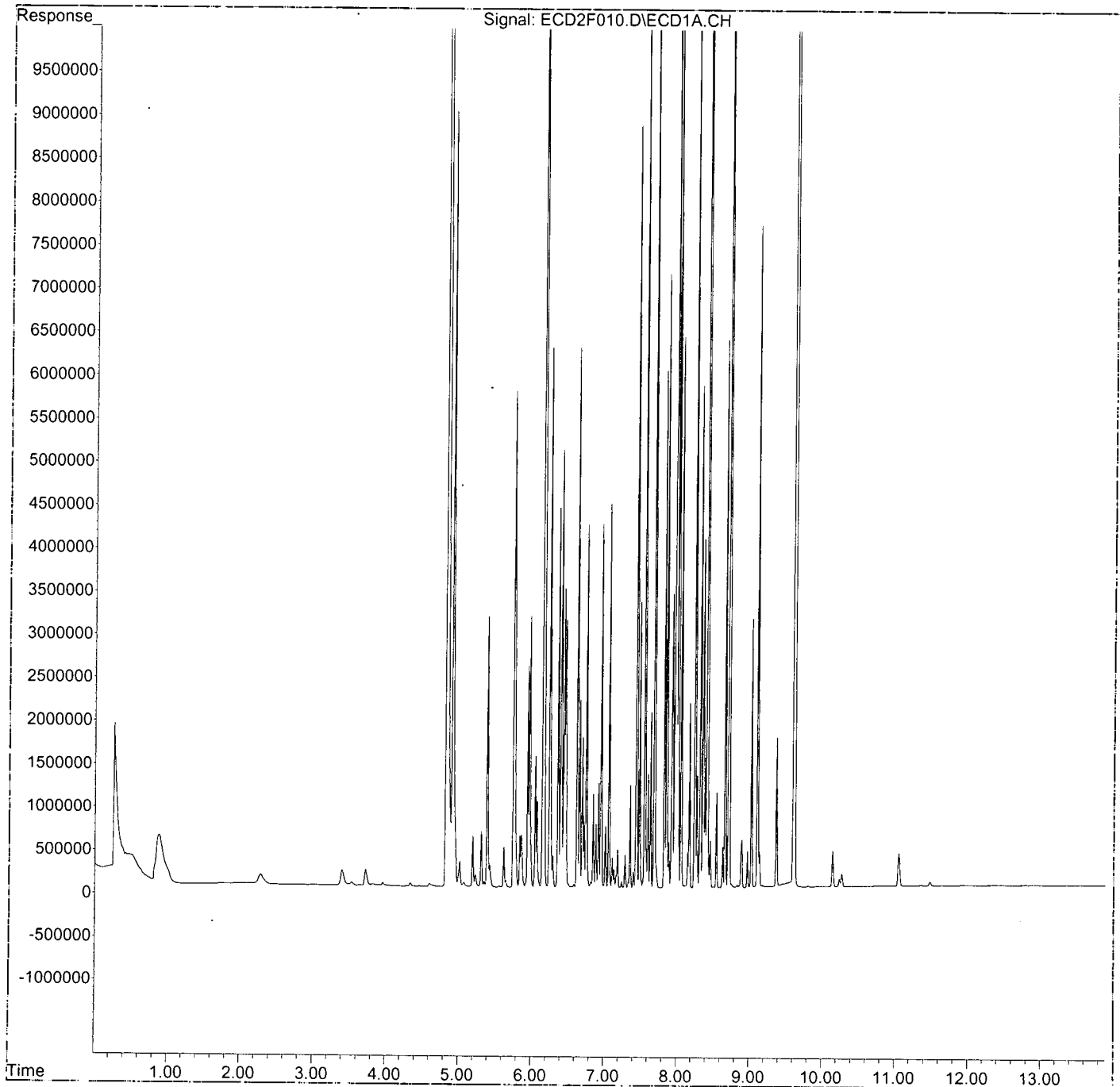
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 8:13 pm
Operator : MJB / KAK
Sample : 0D26012-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:53:00 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:30 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:53:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.838	154068674	831.861 ng/ml ✓
64) S DCBP (S)	9.619	141766541	795.652 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.755	8806140	1346.681 ng/ml
3) Aroclor 1016 (2)	6.169	18628732	1438.005 ng/ml
4) Aroclor 1016 (3)	6.250	9965308	1397.239 ng/ml
5) Aroclor 1016 (4)	6.408	7858630	1339.245 ng/ml
6) Aroclor 1016 (5)	6.630	9570320	1359.767 ng/ml
7) Aroclor 1016 (6)	6.757	6505908	1348.538 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.560	18863861	1422.362 ng/ml
44) Aroclor 1260 (2)	7.692	24453508	1459.383 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\Requant\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:30 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 11:53:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 09:04:00 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.250	17753928	1420.802	ng/ml
46) Aroclor 1260 (4)	8.419	43249920	1536.531	ng/ml
47) Aroclor 1260 (5)	8.720	28054830	1481.465	ng/ml
48) Aroclor 1260 (6)	9.113	11613314	1446.188	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

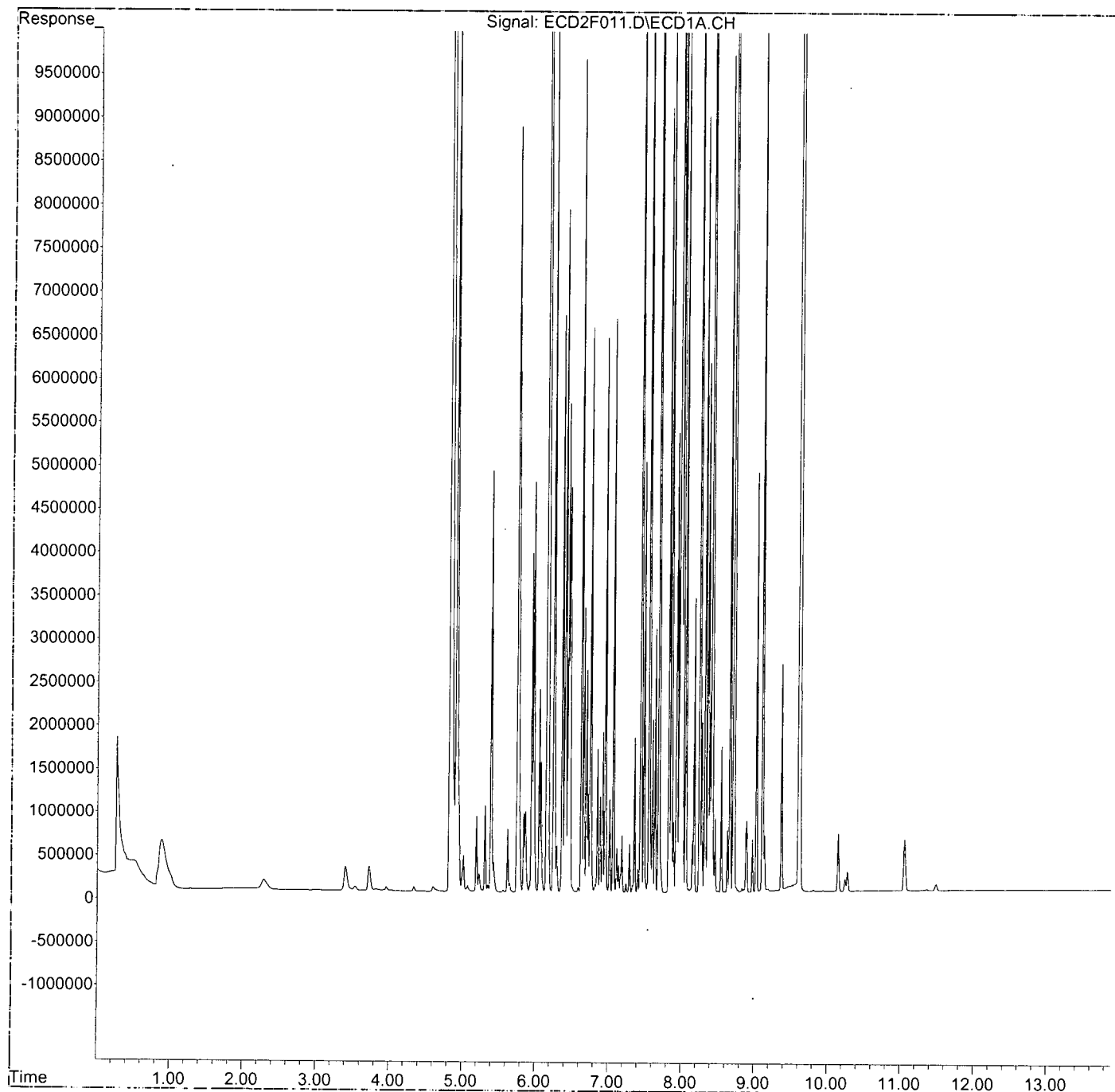
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\Requant\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 8:30 pm
Operator : MJB / KAK
Sample : 0D26012-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 11:53:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 09:04:00 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
1	Vial 1	Hexane	E2A21015	1	Sample		
2	Vial 100	Conditioning run	E2A21015	1	Sample		
3	Vial 1	Hexane	E2A21015	1	Sample		
4	Vial 2	0D26012-ICB1	E2A21015	1	Sample		
5	Vial 3	0D26012-CAL1	E2A21015	1	Sample		
6	Vial 4	0D26012-CAL2	E2A21015	1	Sample		
7	Vial 5	0D26012-CAL3	E2A21015	1	Sample		
8	Vial 6	0D26012-CAL4	E2A21015	1	Sample		
9	Vial 7	0D26012-CAL5	E2A21015	1	Sample		
10	Vial 8	0D26012-CAL6	E2A21015	1	Sample		
11	Vial 9	0D26012-CAL7	E2A21015	1	Sample		
12	Vial 1	0D26012-IBL1	E2A21015	1	Sample		
13	Vial 10	0D26012-ICV1	E2A21015	1	Sample		
14	Vial 11	0D26012-CAL8	E2A21015	1	Sample		
15	Vial 12	0D26012-CAL9	E2A21015	1	Sample		
16	Vial 13	0D26012-CALA	E2A21015	1	Sample		
17	Vial 14	0D26012-CALB	E2A21015	1	Sample		
18	Vial 15	0D26012-CALC	E2A21015	1	Sample		
19	Vial 16	0D26012-CALD	E2A21015	1	Sample		
20	Vial 17	0D26012-CALE	E2A21015	1	Sample		
21	Vial 18	0D26012-ICV2	E2A21015	1	Sample		
22	Vial 19	0D26012-ICV3	E2A21015	1	Sample		
23	Vial 20	0D26012-ICV4	E2A21015	1	Sample		
24	Vial 21	0D26012-ICV5	E2A21015	1	Sample		
25	Vial 1	Hexane	E2A21015	1	Sample		

Handwritten signature
4/26/20

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 51	Hexane	E2A21015	1	Sample		
3	Vial 100	Conditioning run	E2A21015	1	Sample		
4	Vial 51	Hexane	E2A21015	1	Sample		
5	Vial 2	0D26013-ICB1	E2A21015	1	Sample		
6	Vial 3	0D26013-CAL1	E2A21015	1	Sample		
7	Vial 4	0D26013-CAL2	E2A21015	1	Sample		
8	Vial 5	0D26013-CAL3	E2A21015	1	Sample		
9	Vial 6	0D26013-CAL4	E2A21015	1	Sample		
10	Vial 7	0D26013-CAL5	E2A21015	1	Sample		
11	Vial 8	0D26013-CAL6	E2A21015	1	Sample		
12	Vial 9	0D26013-CAL7	E2A21015	1	Sample		
13	Vial 51	0D26013-IBL1	E2A21015	1	Sample		
14	Vial 10	0D26013-ICV1	E2A21015	1	Sample		
15	Vial 11	0D26013-CAL8	E2A21015	1	Sample		
16	Vial 12	0D26013-CAL9	E2A21015	1	Sample		
17	Vial 13	0D26013-CALA	E2A21015	1	Sample		
18	Vial 14	0D26013-CALB	E2A21015	1	Sample		
19	Vial 15	0D26013-CALC	E2A21015	1	Sample		
20	Vial 16	0D26013-CALD	E2A21015	1	Sample		
21	Vial 17	0D26013-CALE	E2A21015	1	Sample		
22	Vial 18	0D26013-ICV2	E2A21015	1	Sample		
23	Vial 19	0D26013-ICV3	E2A21015	1	Sample		
24	Vial 20	0D26013-ICV4	E2A21015	1	Sample		
25	Vial 21	0D26013-ICV5	E2A21015	1	Sample		

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 6:45 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:36:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	1818488	23.861 ng/ml
64) S DCBP (S)	9.616	1763757	11.597 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.754	160687	33.755 ng/ml
3) Aroclor 1016 (2)	6.170	292977	28.470 ng/ml
4) Aroclor 1016 (3)	6.250	169714	31.789 ng/ml
5) Aroclor 1016 (4)	6.408	143762	29.800 ng/ml
6) Aroclor 1016 (5)	6.630	168968	29.846 ng/ml
7) Aroclor 1016 (6)	6.757	122069	29.965 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	316801	28.226 ng/ml
44) Aroclor 1260 (2)	7.692	385605	27.274 ng/ml

MJB
4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 6:45 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:36:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	279330	26.347 ng/ml
46) Aroclor 1260 (4)	8.419	588100	22.537 ng/ml
47) Aroclor 1260 (5)	8.719	416708	24.610 ng/ml
48) Aroclor 1260 (6)	9.113	178633	25.493 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

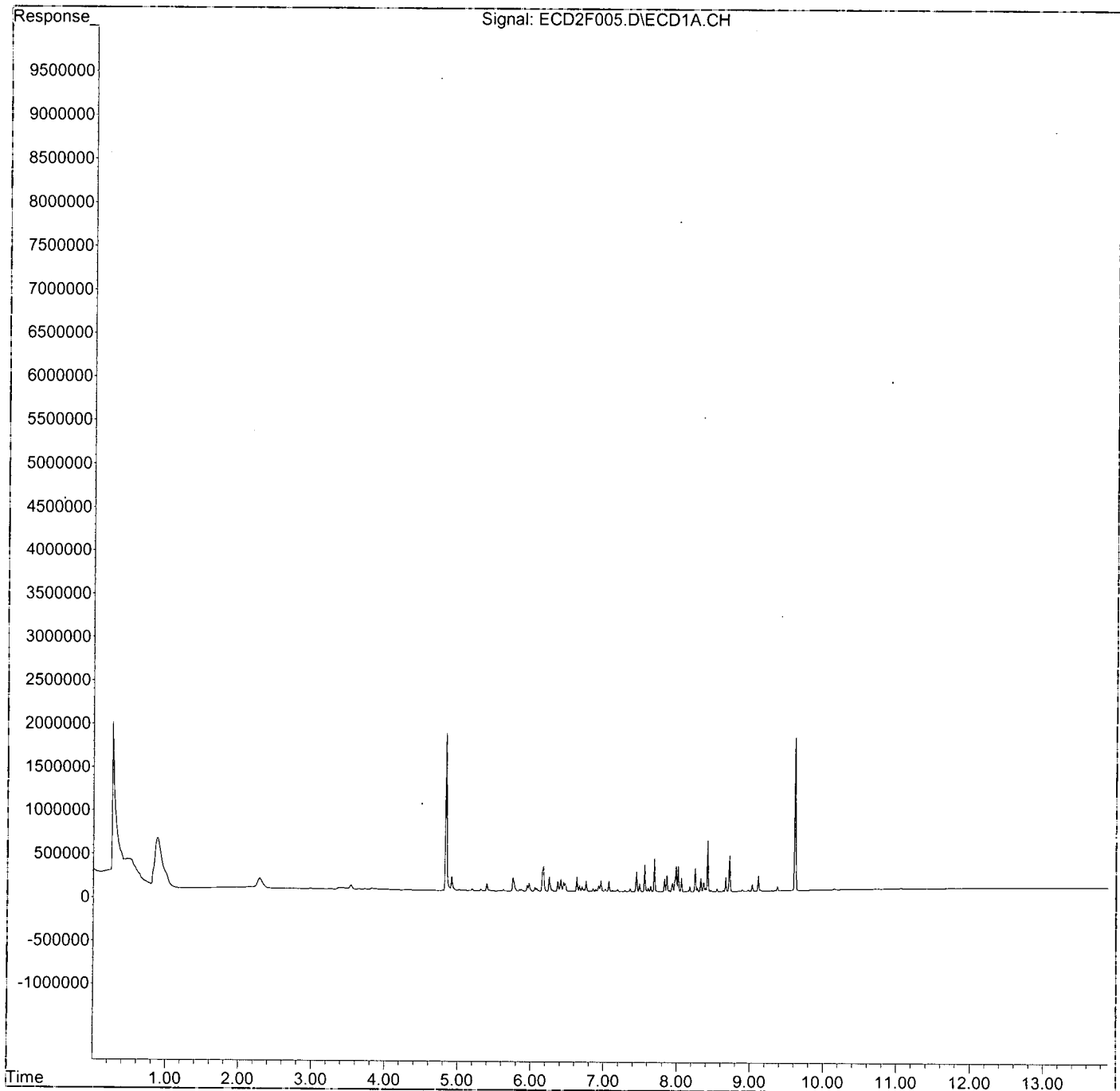
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 6:45 pm
Operator : MJB / KAK
Sample : 0D26012-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:36:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:03 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:38:17 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	4577107	60.107 ng/ml
64) S DCBP (S)	9.616	4500425	29.591 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.754	362790	76.209 ng/ml
3) Aroclor 1016 (2)	6.170	678422	65.925 ng/ml
4) Aroclor 1016 (3)	6.251	383633	71.859 ng/ml
5) Aroclor 1016 (4)	6.407	321826	66.710 ng/ml
6) Aroclor 1016 (5)	6.630	380719	67.250 ng/ml
7) Aroclor 1016 (6)	6.757	265386	65.145 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	691671	61.626 ng/ml
44) Aroclor 1260 (2)	7.691	870470	61.569 ng/ml

MJB
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:03 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:38:17 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.249	651705	61.470 ng/ml
46) Aroclor 1260 (4)	8.418	1365824	52.341 ng/ml
47) Aroclor 1260 (5)	8.719	967528	57.141 ng/ml
48) Aroclor 1260 (6)	9.113	423886	60.493 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

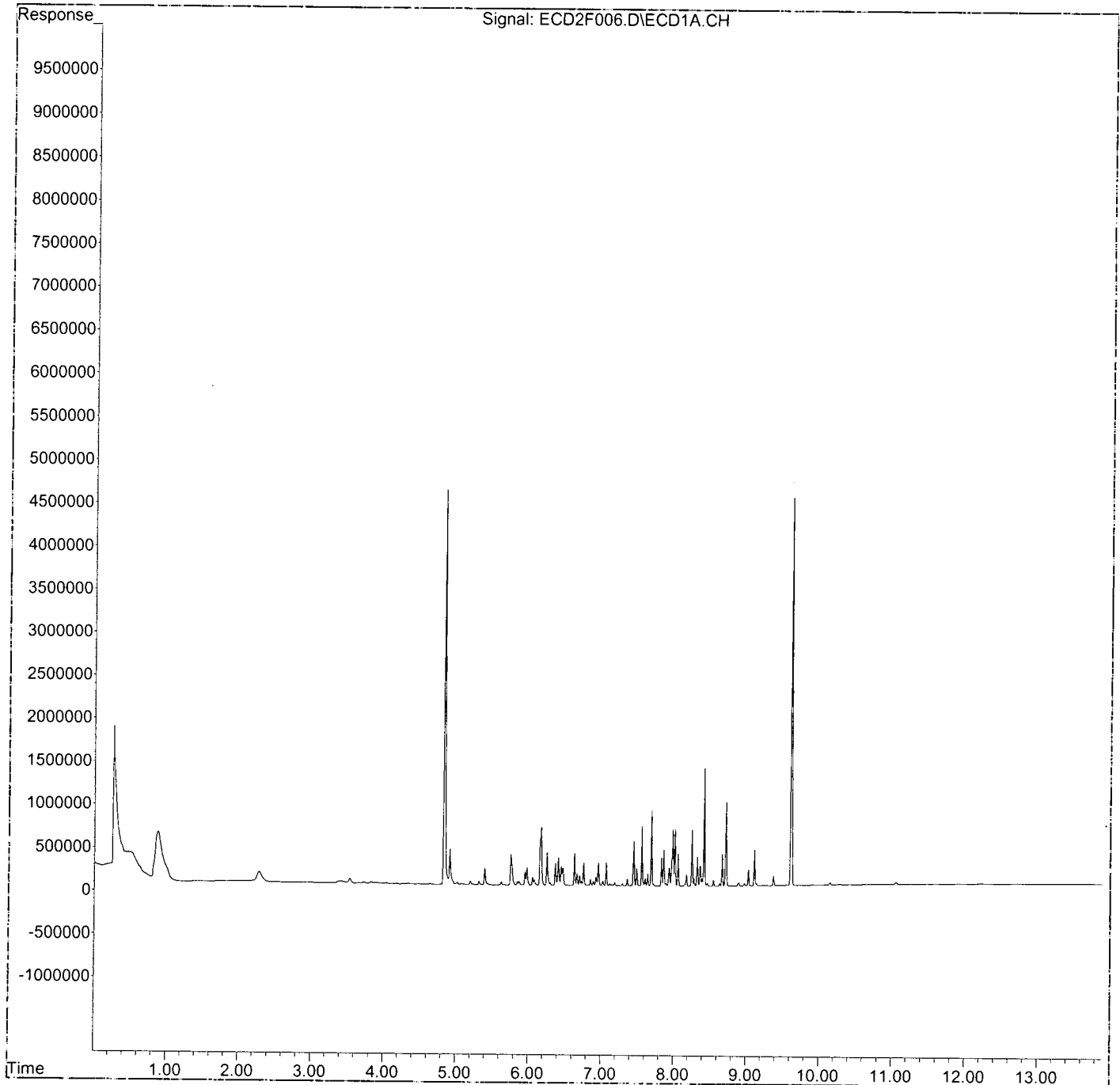
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OD26012\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:03 pm
Operator : MJB / KAK
Sample : OD26012-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:38:17 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:20 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:39:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.835	9316060	122.340 ng/ml
64) S DCBP (S)	9.616	9043666	59.463 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.755	660359	138.718 ng/ml
3) Aroclor 1016 (2)	6.170	1294631	125.805 ng/ml
4) Aroclor 1016 (3)	6.250	714884	133.905 ng/ml
5) Aroclor 1016 (4)	6.408	606640	125.747 ng/ml
6) Aroclor 1016 (5)	6.630	728667	128.710 ng/ml
7) Aroclor 1016 (6)	6.757	487054	119.559 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	1339918	119.383 ng/ml
44) Aroclor 1260 (2)	7.691	1683300	119.061 ng/ml

Handwritten signature and date: 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:20 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:39:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.249	1257364	118.597 ng/ml
46) Aroclor 1260 (4)	8.418	2750394	105.400 ng/ml
47) Aroclor 1260 (5)	8.719	1912495	112.949 ng/ml
48) Aroclor 1260 (6)	9.112	794738	113.418 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

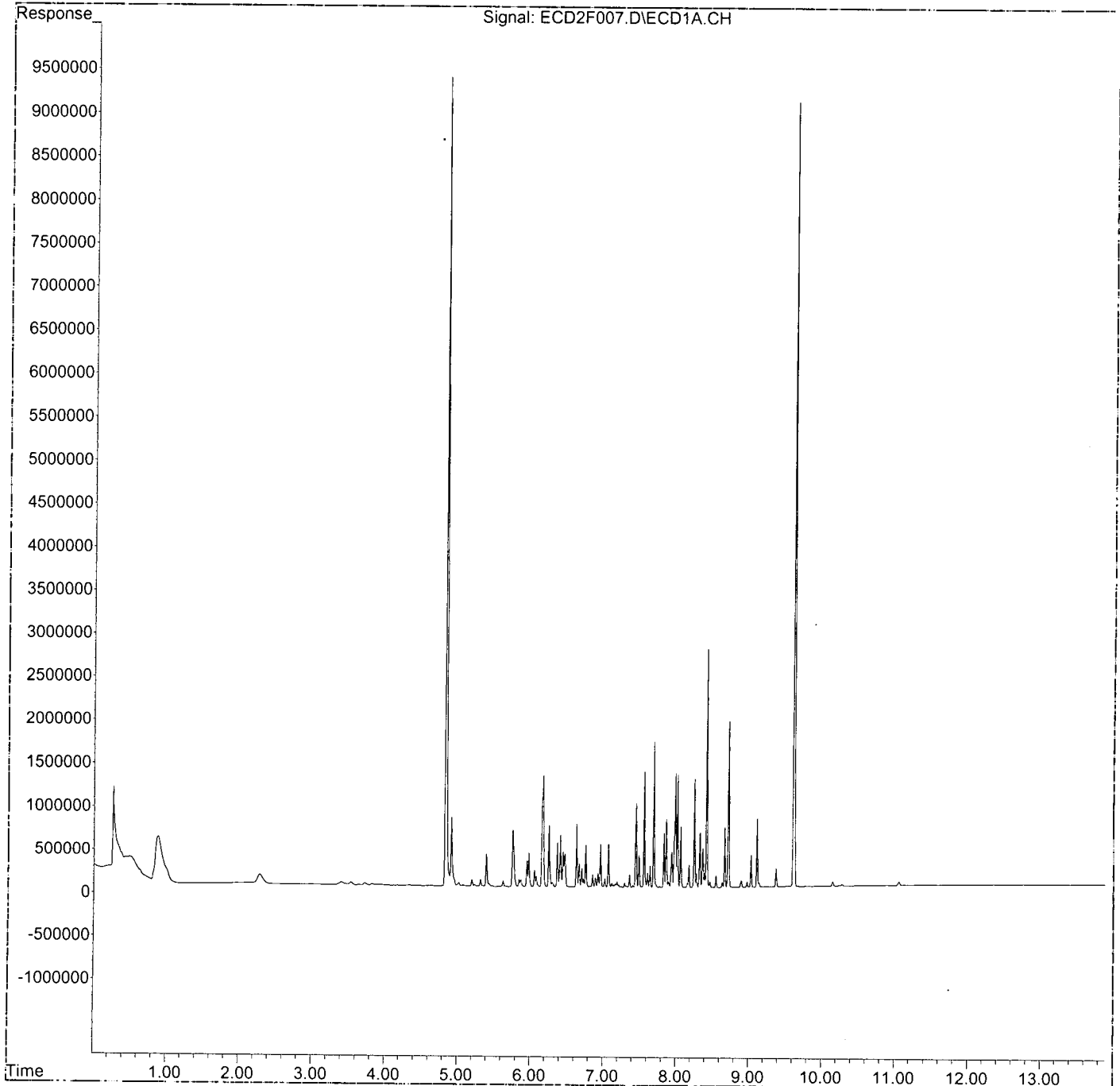
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:20 pm
Operator : MJB / KAK
Sample : 0D26012-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:39:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:38 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:41:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.836	18413549	241.810 ng/ml
64) S DCBP (S)	9.616	18075638	118.849 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.755	1252522	263.111 ng/ml
3) Aroclor 1016 (2)	6.170	2587662	251.455 ng/ml
4) Aroclor 1016 (3)	6.251	1425617	267.033 ng/ml
5) Aroclor 1016 (4)	6.408	1116260	231.384 ng/ml
6) Aroclor 1016 (5)	6.631	1334556	235.734 ng/ml
7) Aroclor 1016 (6)	6.757	893296	219.281 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	2591486	230.894 ng/ml
44) Aroclor 1260 (2)	7.692	3294378	233.014 ng/ml

[Handwritten signature]
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:38 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:41:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	2464101	232.418 ng/ml
46) Aroclor 1260 (4)	8.418	5691125	218.093 ng/ml
47) Aroclor 1260 (5)	8.719	3742976	227.055 ng/ml
48) Aroclor 1260 (6)	9.112	1534132	218.937 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

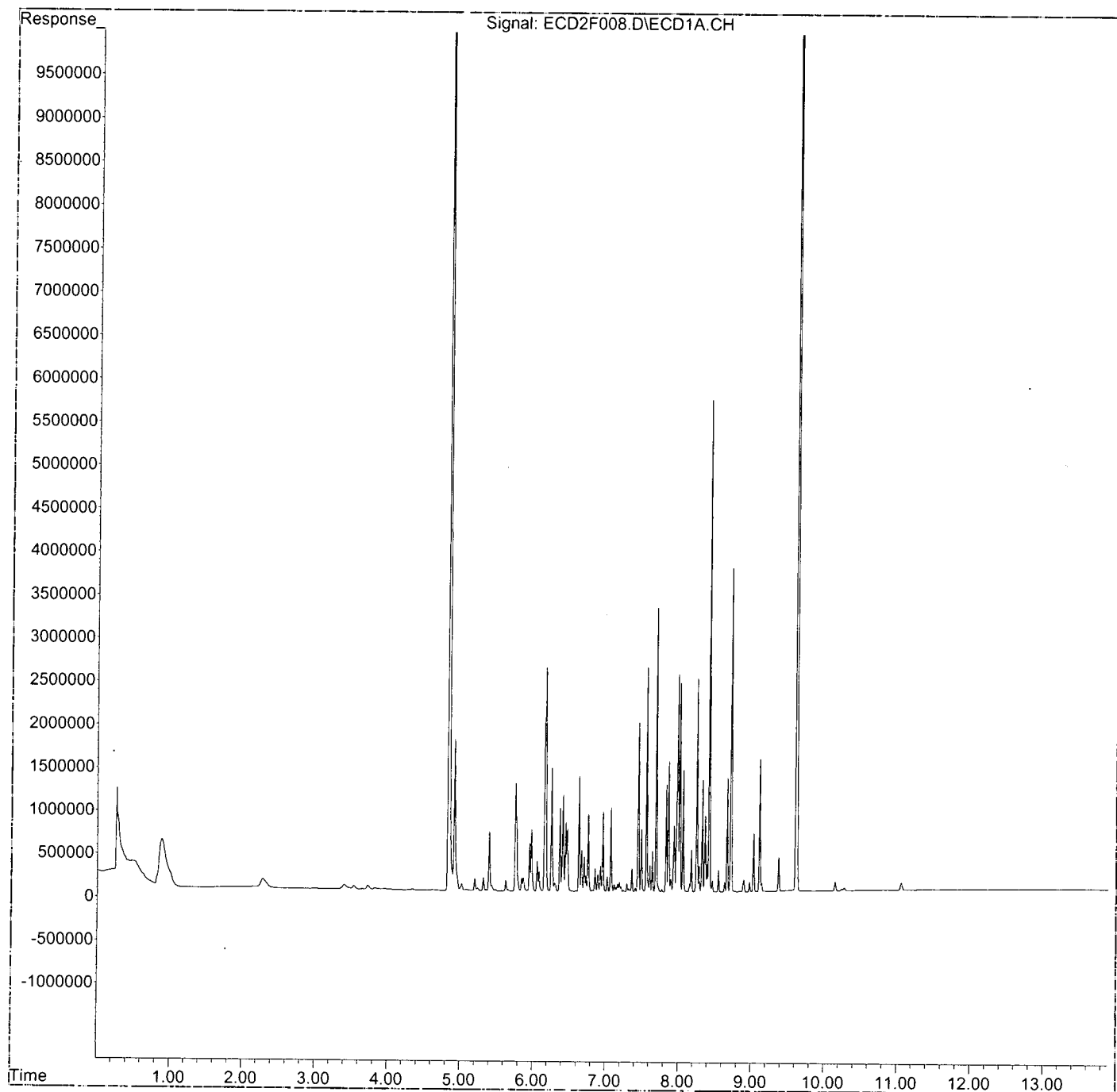
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:38 pm
Operator : MJB / KAK
Sample : 0D26012-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:41:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:55 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:35:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:33:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.836	43243283	567.878 ng/ml
64) S DCBP (S)	9.617	41722307	274.327 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.754	3007276	631.724 ng/ml
3) Aroclor 1016 (2)	6.169	6179055	600.446 ng/ml
4) Aroclor 1016 (3)	6.249	3299771	618.081 ng/ml
5) Aroclor 1016 (4)	6.407	2753573	570.773 ng/ml
6) Aroclor 1016 (5)	6.630	3316303	585.786 ng/ml
7) Aroclor 1016 (6)	6.757	2244714	551.019 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	6137505	546.833 ng/ml
44) Aroclor 1260 (2)	7.691	7885627	557.757 ng/ml

[Handwritten signature]
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 7:55 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:35:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:33:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.250	5941002	560.365 ng/ml
46) Aroclor 1260 (4)	8.419	13482805	516.683 ng/ml
47) Aroclor 1260 (5)	8.719	9071060	535.723 ng/ml
48) Aroclor 1260 (6)	9.113	3903473	557.067 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

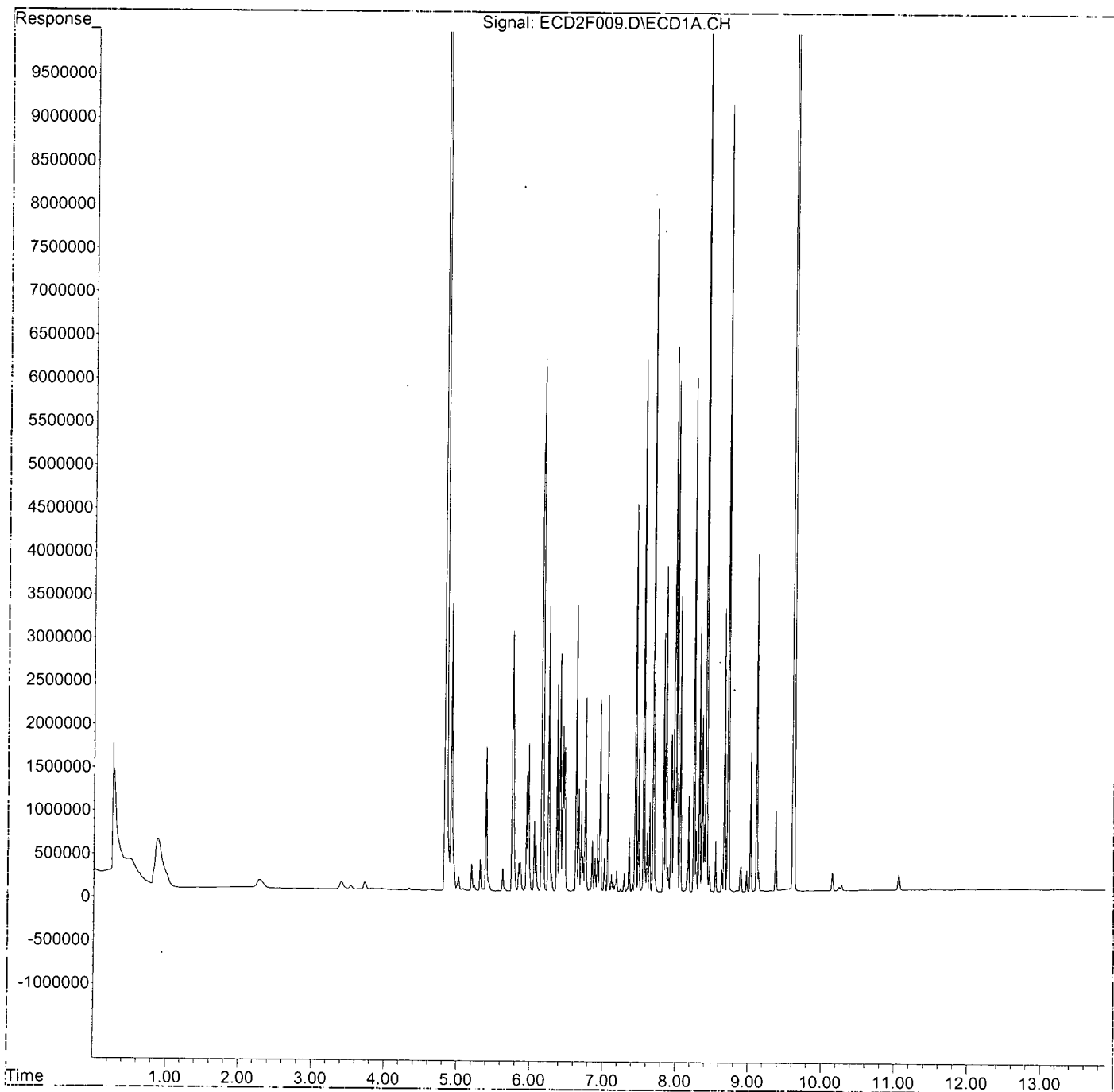
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 7:55 pm
Operator : MJB / KAK
Sample : 0D26012-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:35:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:33:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:13 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:42:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.837	97759432	1283.794 ng/ml
64) S DCBP (S)	9.616	92557948	608.576 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.754	5732342	1204.164 ng/ml
3) Aroclor 1016 (2)	6.168	11802822	1146.932 ng/ml
4) Aroclor 1016 (3)	6.249	6246643	1170.061 ng/ml
5) Aroclor 1016 (4)	6.407	5057141	1048.267 ng/ml
6) Aroclor 1016 (5)	6.629	6232395	1100.879 ng/ml
7) Aroclor 1016 (6)	6.755	4196029	1030.016 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.559	11955454	1065.195 ng/ml
44) Aroclor 1260 (2)	7.691	15224305	1076.827 ng/ml

Handwritten signature
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:13 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:42:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.249	11857284	1118.398	ng/ml
46) Aroclor 1260 (4)	8.418	28554386	1094.251	ng/ml
47) Aroclor 1260 (5)	8.718	17689376	1044.708	ng/ml
48) Aroclor 1260 (6)	9.111	7635524	1089.669	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

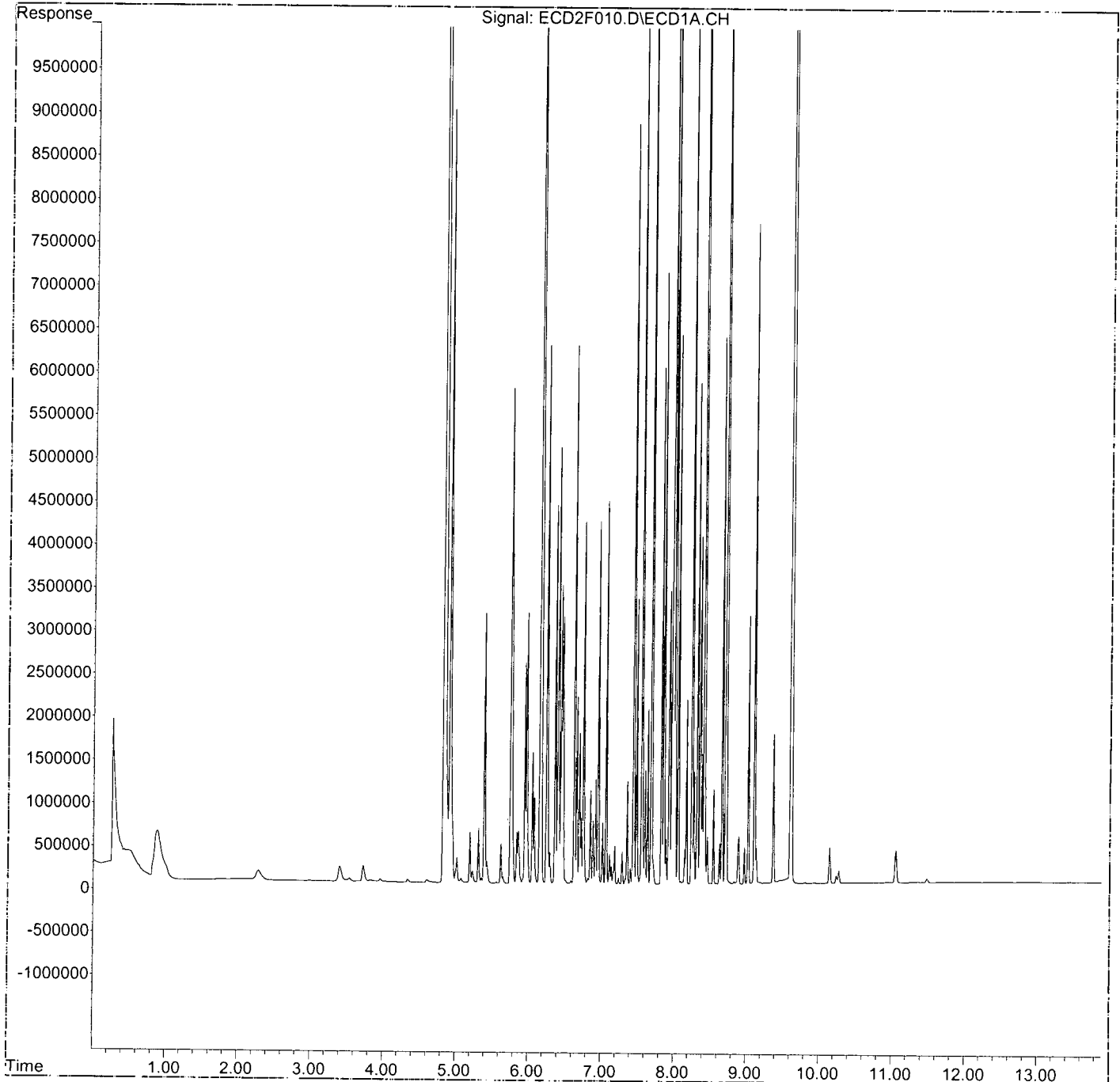
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 8:13 pm
Operator : MJB / KAK
Sample : 0D26012-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:42:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:30 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:44:00 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.838	154068674	2023.257 ng/ml
64) S DCBP (S)	9.619	141766541	932.126 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.755	8806140	1849.862 ng/ml
3) Aroclor 1016 (2)	6.169	18628732	1810.236 ng/ml
4) Aroclor 1016 (3)	6.250	9965308	1866.806 ng/ml
5) Aroclor 1016 (4)	6.408	7858630	1628.973 ng/ml
6) Aroclor 1016 (5)	6.630	9570320	1690.484 ng/ml
7) Aroclor 1016 (6)	6.757	6505908	1597.030 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	7.560	18863861	1680.713 ng/ml
44) Aroclor 1260 (2)	7.692	24453508	1729.616 ng/ml

Handwritten signature
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OD26012\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 8:30 pm
 Operator : MJB / KAK
 Sample : OD26012-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:44:00 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.250	17753928	1674.579	ng/ml
46) Aroclor 1260 (4)	8.419	43249920	1657.407	ng/ml
47) Aroclor 1260 (5)	8.720	28054830	1656.876	ng/ml
48) Aroclor 1260 (6)	9.113	11613314	1657.342	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

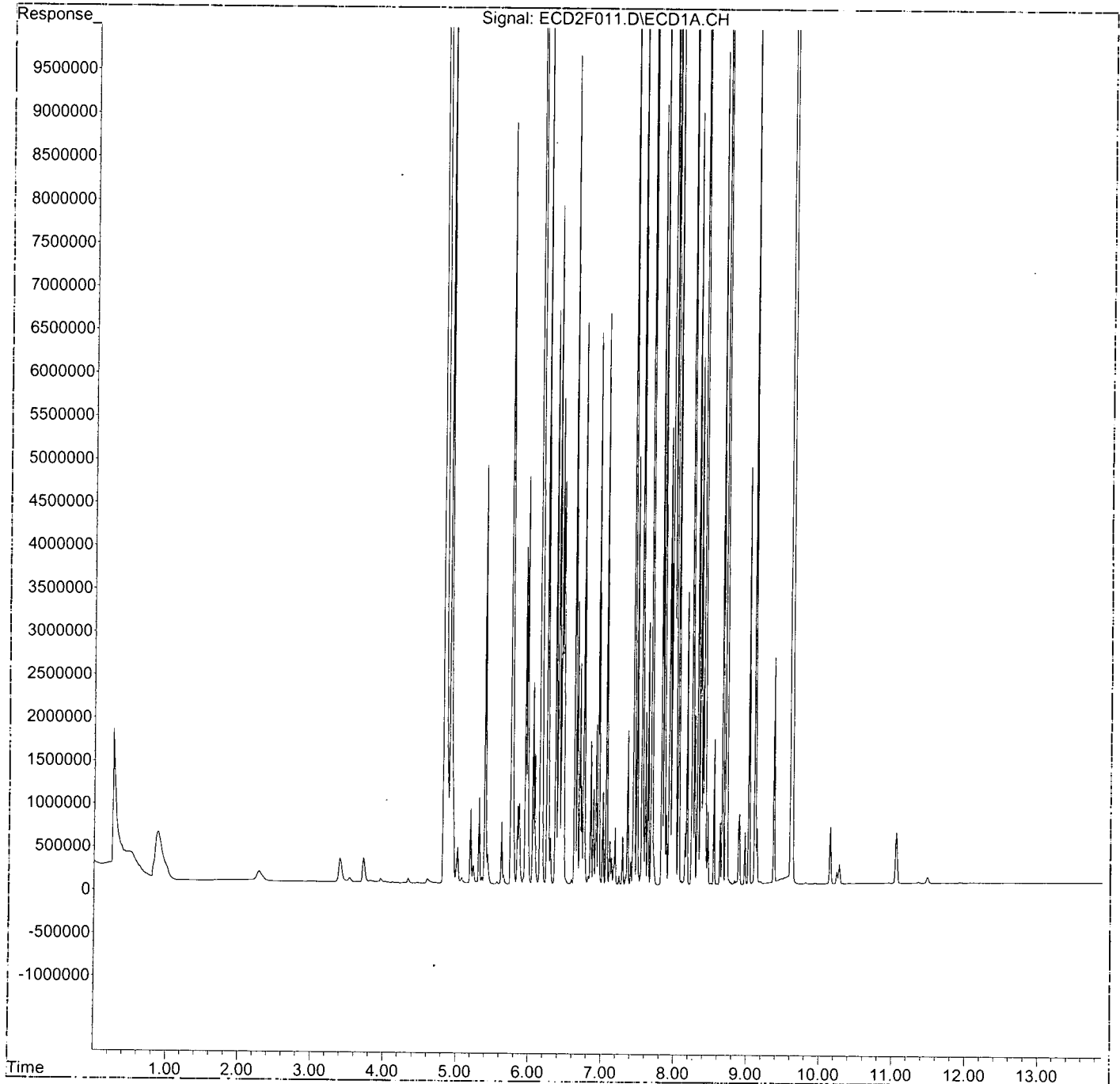
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\OD26012\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 8:30 pm
Operator : MJB / KAK
Sample : OD26012-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:44:00 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:23 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:45:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.196	1088956	750.901	ng/ml
10) Aroclor 1221 (2)	5.313	737468	754.406	ng/ml
11) Aroclor 1221 (3)	5.394	2423485	764.815	ng/ml
12) Aroclor 1221 (4)	5.863	436720	NoCal	ng/ml
13) Aroclor 1221 (5)	6.170	469479	NoCal	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:23 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:45:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:35:25 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

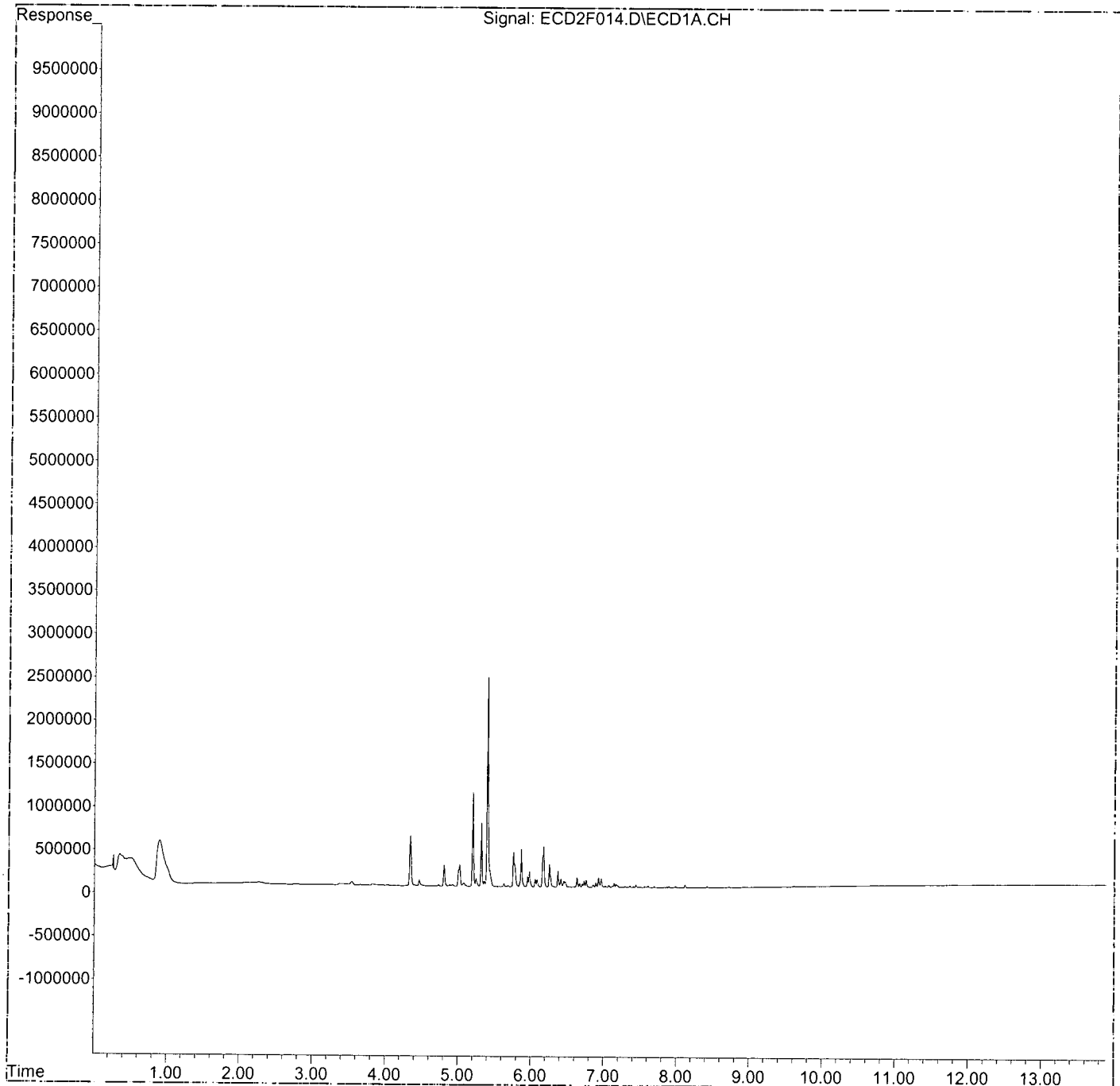
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 9:23 pm
Operator : MJB / KAK
Sample : 0D26012-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:45:24 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:35:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:41 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:47:14 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:46:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

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)	5.395	1850698	713.253	ng/ml
16) Aroclor 1232 (2)	6.170	2539049	598.809	ng/ml
17) Aroclor 1232 (3)	6.250	1396538	628.147	ng/ml
18) Aroclor 1232 (4)	6.409	933258	566.972	ng/ml
19) Aroclor 1232 (5)	6.631	1236076	573.427	ng/ml
20) Aroclor 1232 (6)	6.758	1001565	571.550	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
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

Handwritten signature and date: 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:41 pm
 Operator : MJB / KAK
 Sample : 0D26012-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:47:14 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:46:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

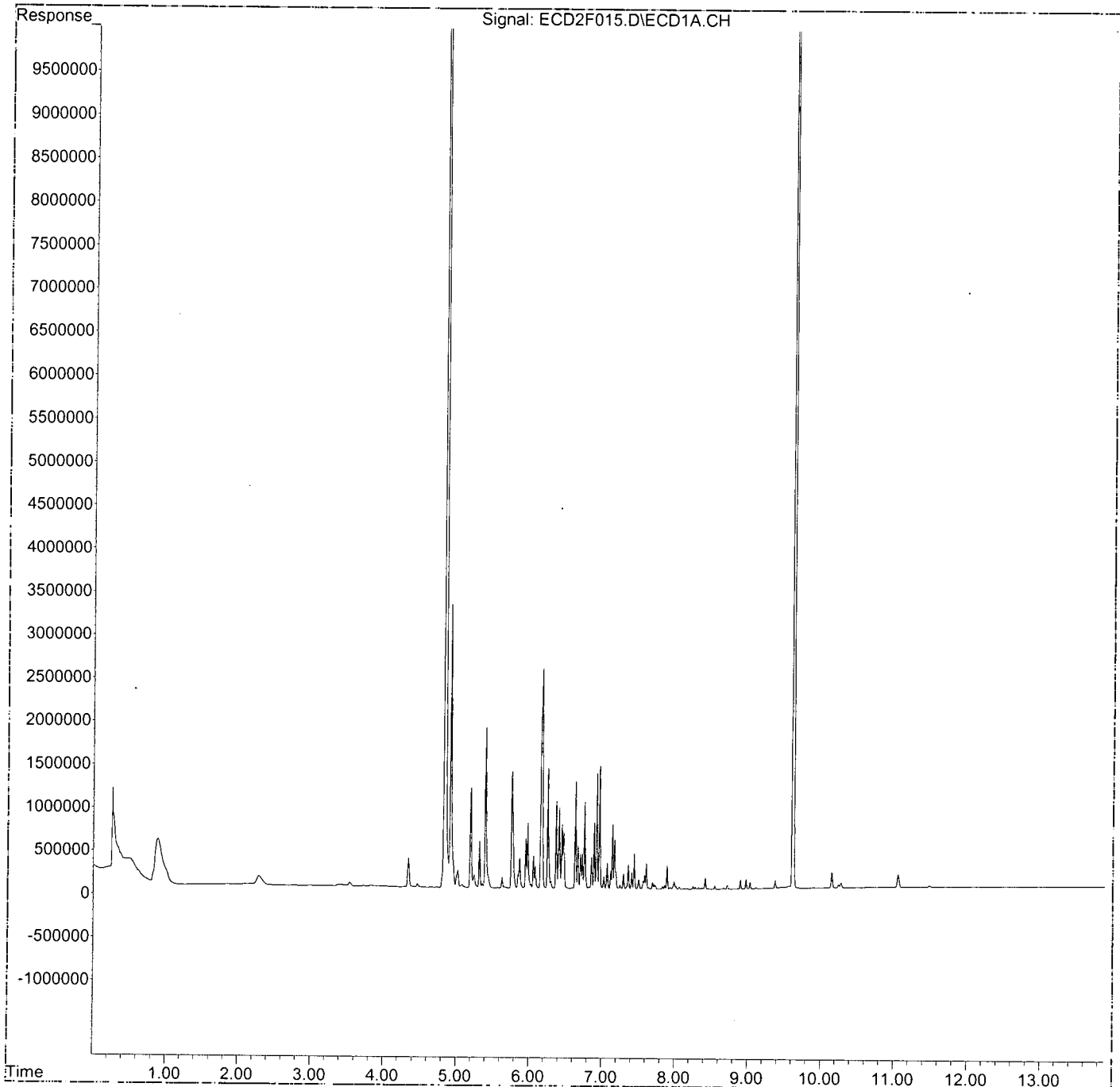
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 9:41 pm
Operator : MJB / KAK
Sample : 0D26012-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:47:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:46:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:58 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:49:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:48:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	5.755	2463514	677.129	ng/ml
23) Aroclor 1242 (2)	6.169	5082295	639.389	ng/ml
24) Aroclor 1242 (3)	6.250	2679986	669.866	ng/ml
25) Aroclor 1242 (4)	6.408	2030736	611.453	ng/ml
26) Aroclor 1242 (5)	6.630	2580163	596.784	ng/ml
27) Aroclor 1242 (6)	6.757	2087829	579.303	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature and date:
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 9:58 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:49:06 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:48:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

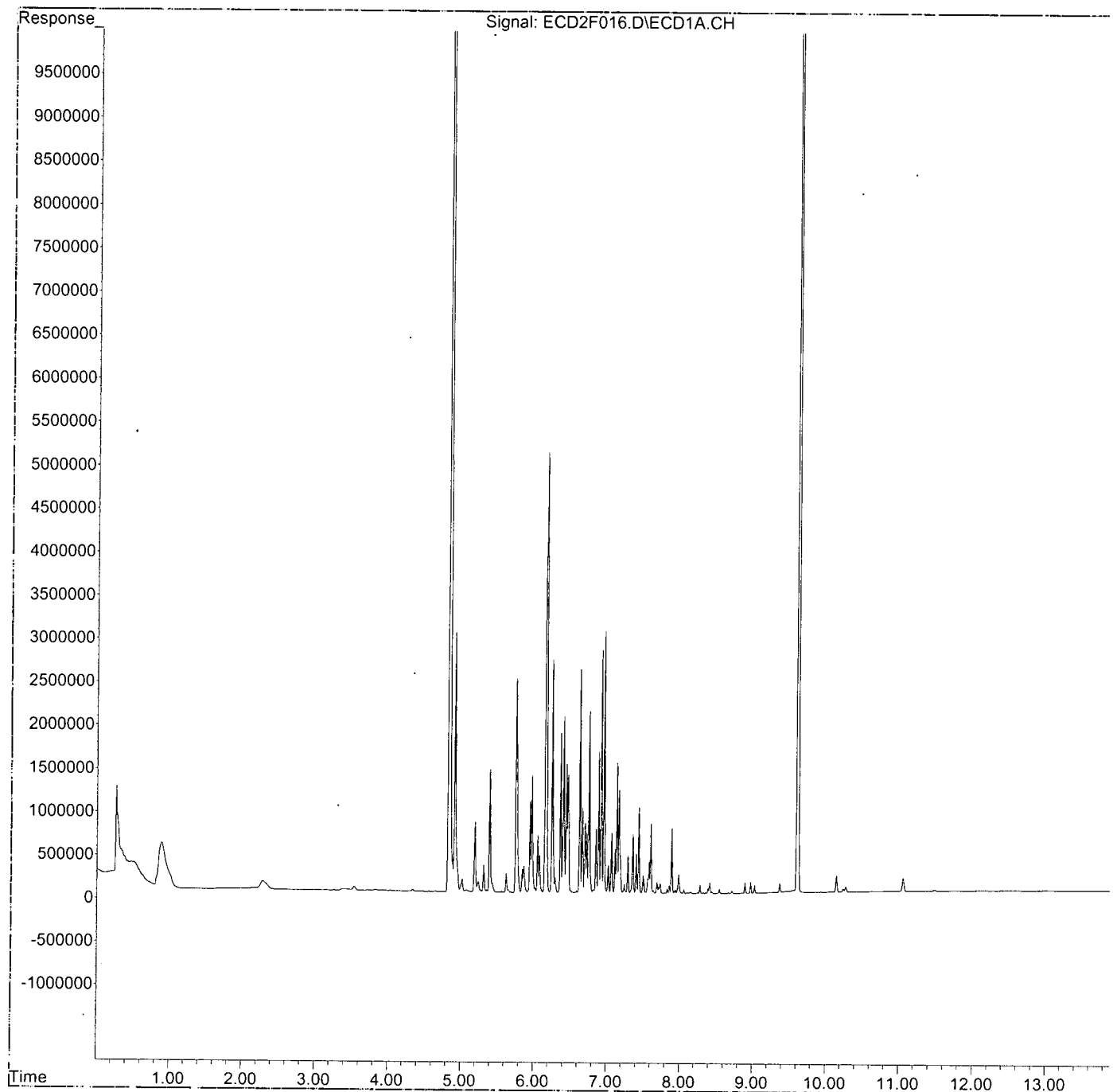
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 9:58 pm
Operator : MJB / KAK
Sample : 0D26012-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:49:06 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:48:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 10:16 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:50:57 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:49:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.169	2959181	604.371	ng/ml
30) Aroclor 1248 (2)	6.409	3507574	585.338	ng/ml
31) Aroclor 1248 (3)	6.630	4225532	628.378	ng/ml
32) Aroclor 1248 (4)	6.924	5029886	611.799	ng/ml
33) Aroclor 1248 (5)	6.962	5093749	646.367	ng/ml
34) Aroclor 1248 (6)	7.439	2765910	607.779	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature and date: 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 10:16 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:50:57 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:49:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

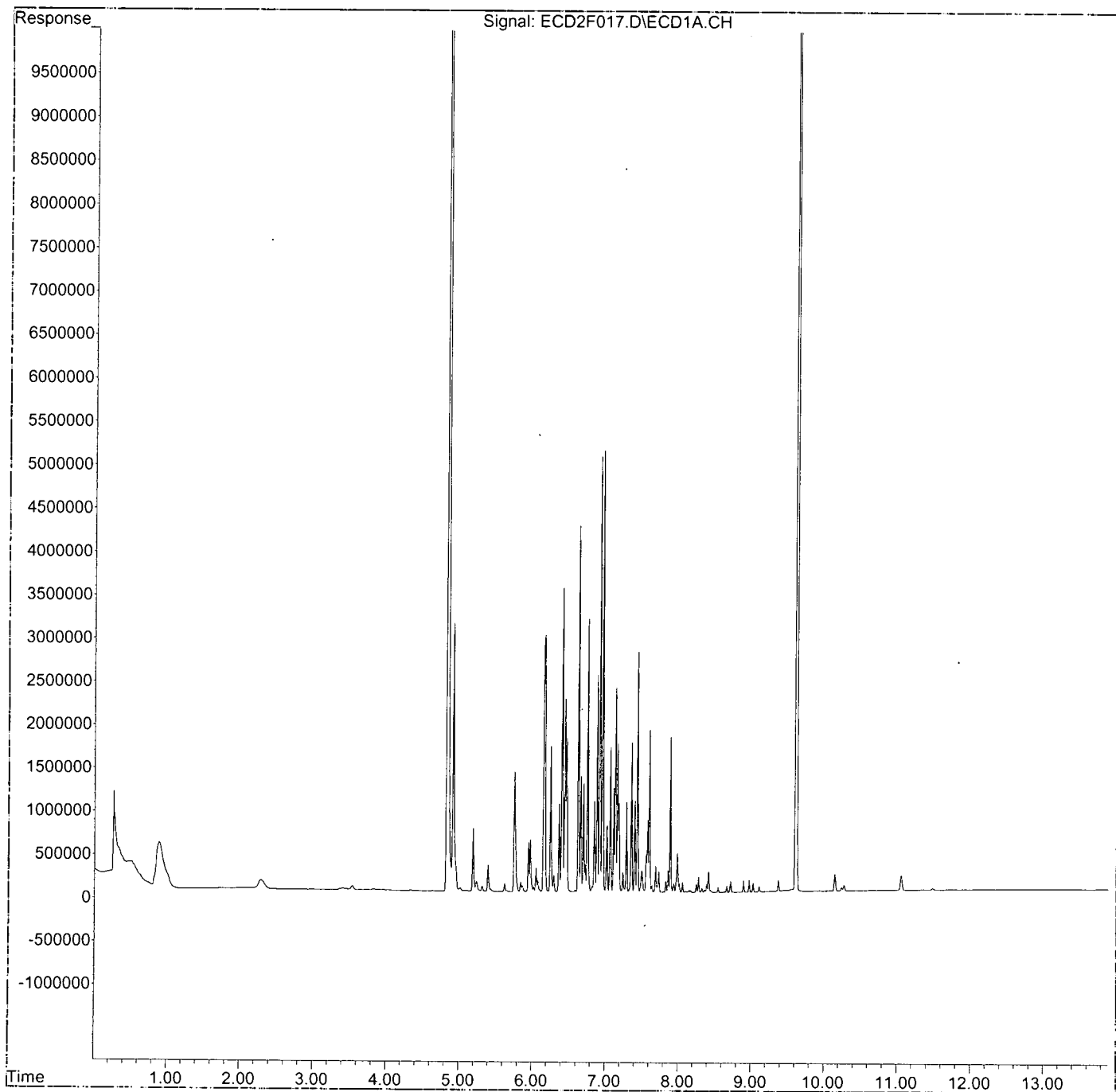
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 10:16 pm
Operator : MJB / KAK
Sample : 0D26012-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:50:57 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:49:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 10:33 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:53:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:51:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	6.960	5078788	584.508	ng/ml
37) Aroclor 1254 (2)	7.069	6165944	548.772	ng/ml
38) Aroclor 1254 (3)	7.441	9021133	536.615	ng/ml
39) Aroclor 1254 (4)	7.606	6468764	605.792	ng/ml
40) Aroclor 1254 (5)	7.988	6436464	547.808	ng/ml
41) Aroclor 1254 (6)	8.281	2123573	563.261	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature and date:
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 10:33 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:53:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:51:53 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

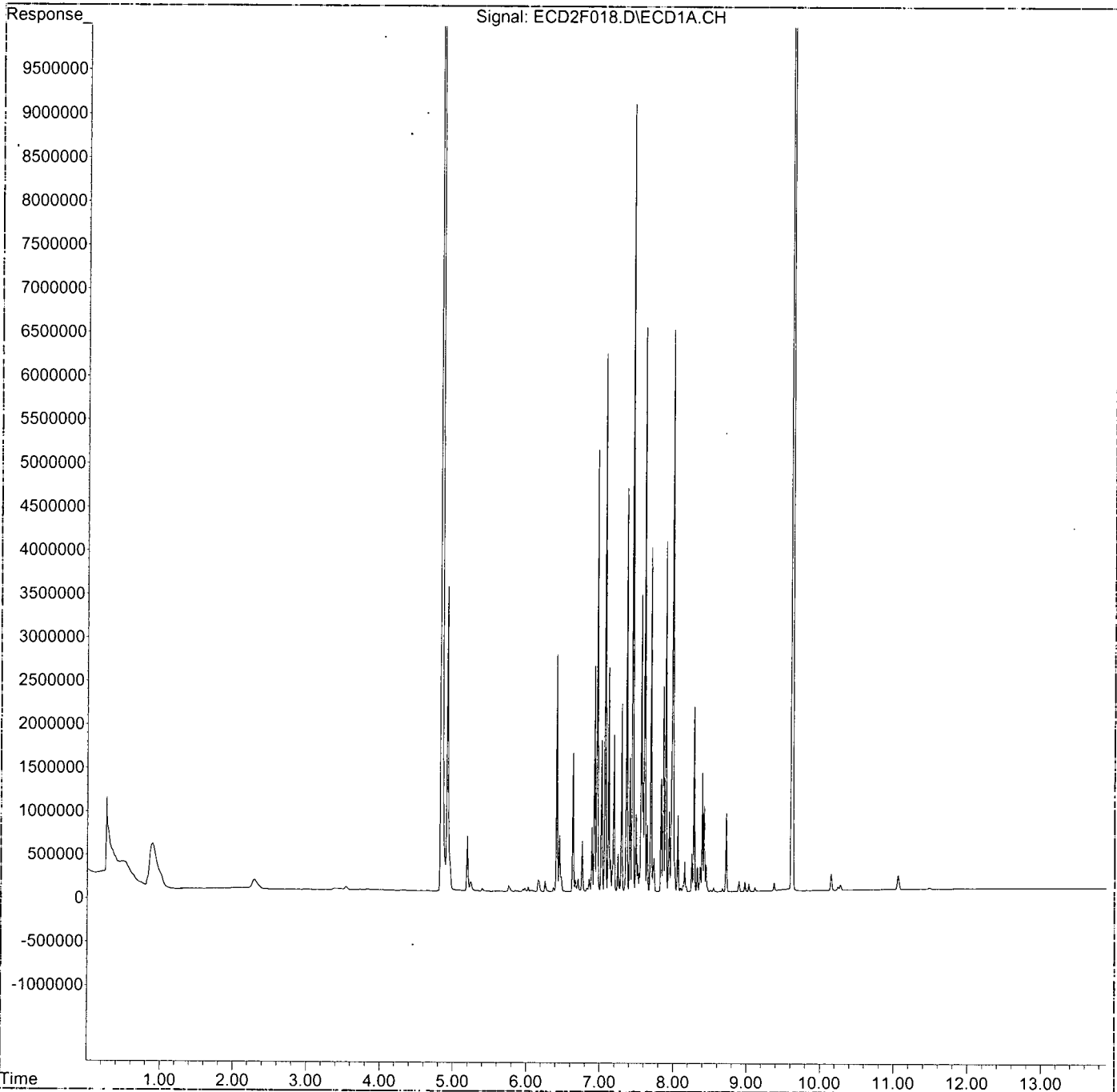
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 10:33 pm
Operator : MJB / KAK
Sample : 0D26012-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:53:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:51:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 10:51 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:55:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:54:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: A/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 10:51 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:55:15 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:54:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	7.693	6366934	576.241	ng/ml
51) Aroclor 1262 (2)	8.018	8783385	578.521	ng/ml
52) Aroclor 1262 (3)	8.251	7590064	576.322	ng/ml
53) Aroclor 1262 (4)	8.420	15772579	536.100	ng/ml
54) Aroclor 1262 (5)	8.720	9698249	535.058	ng/ml
55) Aroclor 1262 (6)	9.114	5401190	559.239	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 4/27/20

(f)=RT Delta > 1/2 Window

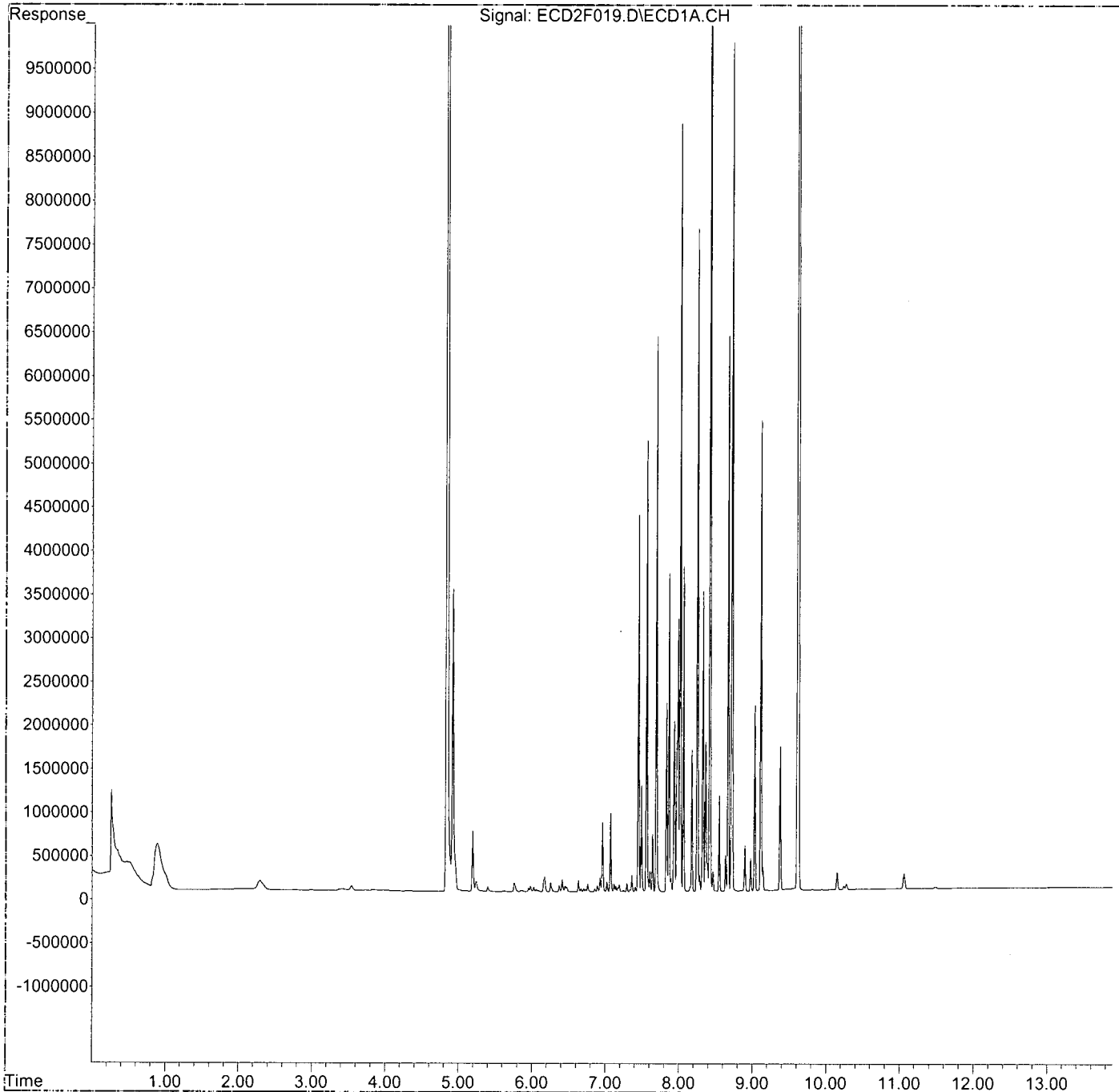
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 10:51 pm
Operator : MJB / KAK
Sample : 0D26012-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:55:15 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:54:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 11:08 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:57:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:56:21 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26012\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Apr 2020 11:08 pm
 Operator : MJB / KAK
 Sample : 0D26012-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Apr 27 08:57:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:56:21 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	8.242	4299594	605.614	ng/ml
58) Aroclor 1268 (2)	8.667	18611402	534.490	ng/ml
59) Aroclor 1268 (3)	8.714	16371547	565.614	ng/ml
60) Aroclor 1268 (4)	8.898	14787057	576.319	ng/ml
61) Aroclor 1268 (5)	9.112	5871639	540.190	ng/ml
62) Aroclor 1268 (6)	9.375	41560724	530.512	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 4/27/20

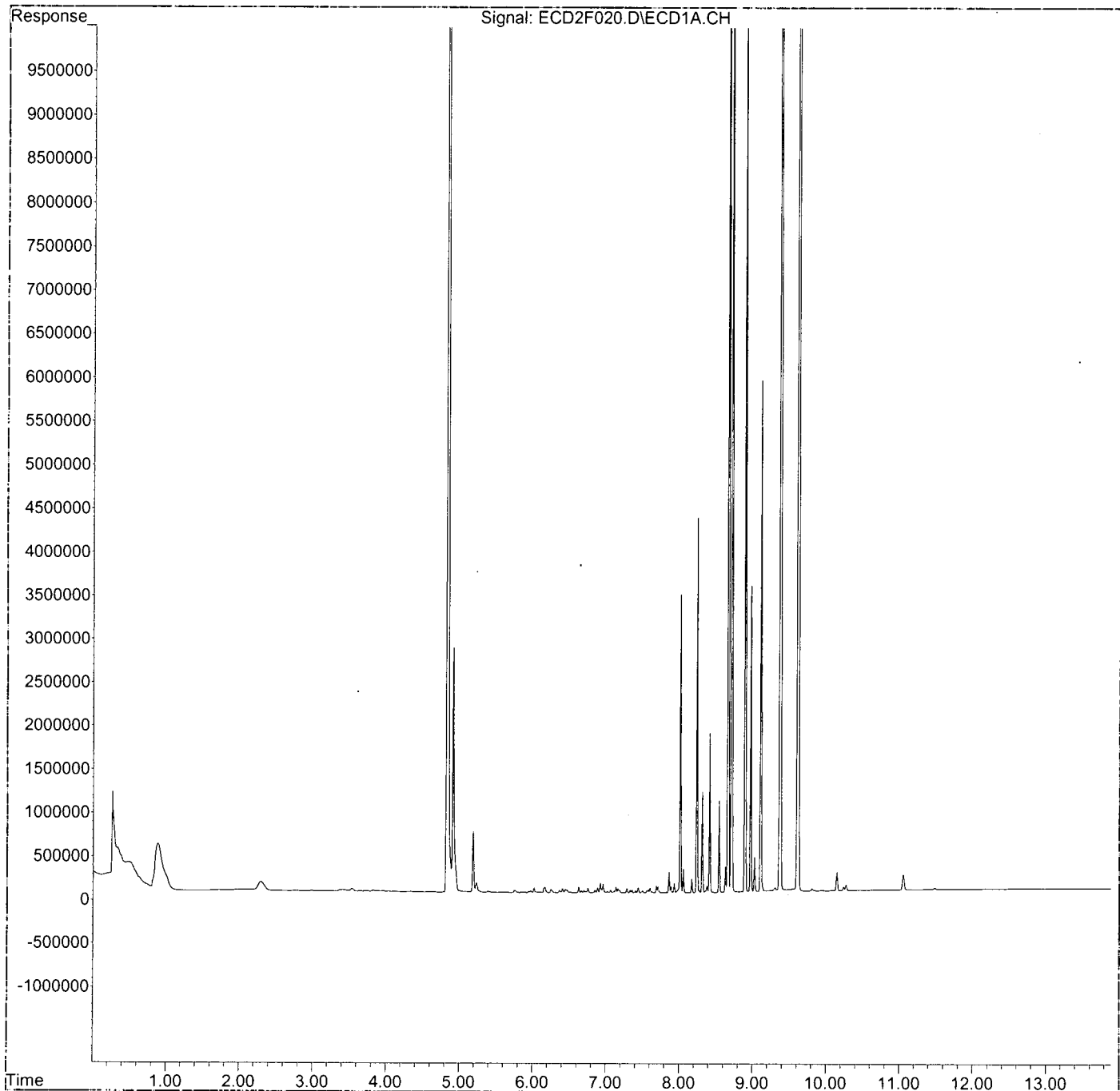
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26012\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 26 Apr 2020 11:08 pm
Operator : MJB / KAK
Sample : 0D26012-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Apr 27 08:57:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:56:21 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0D26013 (Cal ID A0D2706) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D26013**

Instrument: **DUALECD2R**

Date: **04/26/20 17:21**

Calibration: **A0D2706**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D26013-ICB1	Water	QC	QC				A20D303
2	0D26013-CAL1	Water	QC	QC				A19L280
3	0D26013-CAL2	Water	QC	QC				A19L281
4	0D26013-CAL3	Water	QC	QC				A19L282
5	0D26013-CAL4	Water	QC	QC				A19L283
6	0D26013-CAL5	Water	QC	QC				A19L276
7	0D26013-CAL6	Water	QC	QC				A19L278
8	0D26013-CAL7	Water	QC	QC				A19L279
9	0D26013-IBL1	Water	QC	QC				
10	0D26013-ICV1	Water	QC	QC				A20B355
11	0D26013-CAL8	Water	QC	QC				A20C117
12	0D26013-CAL9	Water	QC	QC				A20B322
13	0D26013-CALA	Water	QC	QC				A20B323
14	0D26013-CALB	Water	QC	QC				A20B324
15	0D26013-CALC	Water	QC	QC				A20B325
16	0D26013-CALD	Water	QC	QC				A20B326
17	0D26013-CALE	Water	QC	QC				A20B327
18	0D26013-ICV2	Water	QC	QC				A20B353
19	0D26013-ICV3	Water	QC	QC				A20D351
20	0D26013-ICV4	Water	QC	QC				A20B354
21	0D26013-ICV5	Water	QC	QC				A20B130

Data Entered By: *[Signature]* 4/27/20

Comments: 5 peaks for 1221

Data Reviewed By: *[Signature]* 4/28/20

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 08:19:16 2020
 Response Via : Initial Calibration

A0D2706

Handwritten signature
 4/27/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0D26013\ECD2R006.D
2	2	25	0	K:\DATA\0D26013\ECD2R007.D
3	3	50	0	K:\DATA\0D26013\ECD2R008.D
4	4	100	0	K:\DATA\0D26013\ECD2R009.D
5	5	250	0	K:\DATA\0D26013\ECD2R021.D
6	6	500	0	K:\DATA\0D26013\ECD2R011.D
7	7	800	0	K:\DATA\0D26013\ECD2R012.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 27 08:14 2020	Apr 27 07:42 2020	26 Apr 2020 19:03
2	2	Apr 27 08:14 2020	Apr 27 07:43 2020	26 Apr 2020 19:20
3	3	Apr 27 08:14 2020	Apr 27 07:45 2020	26 Apr 2020 19:38
4	4	Apr 27 08:15 2020	Apr 27 07:46 2020	26 Apr 2020 19:55
5	5	Apr 27 08:17 2020	Apr 27 08:06 2020	26 Apr 2020 23:26
6	6	Apr 27 08:15 2020	Apr 27 07:48 2020	26 Apr 2020 20:30
7	7	Apr 27 08:15 2020	Apr 27 07:50 2020	26 Apr 2020 20:48

RECD2_QUANTPCB_200426.M Mon Apr 27 13:38:18 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 08:19:16 2020
 Response Via : Initial Calibration

Handwritten:
 1/27/20

Calibration Files

1 =ECD2R006.D 2 =ECD2R007.D 3 =ECD2R008.D
 4 =ECD2R009.D 5 =ECD2R021.D 6 =ECD2R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	4.082	4.070	4.029	4.190	3.894	4.040	3.833	E5 15.22 ✓
2) Aroclor 1016 ...	1.368	1.253	1.180	1.124	1.065	0.997	1.144	E4 11.64 ✓
3) Aroclor 1016 ...	2.182	2.136	2.081	2.045	1.940	1.909	2.040	E4 4.96 ✓
4) Aroclor 1016 ...	1.103	1.027	0.950	0.949	0.906	0.857	0.956	E4 8.74 ✓
5) Aroclor 1016 ...	1.101	0.996	0.924	0.900	0.836	0.786	0.909	E4 12.15 ✓
6) Aroclor 1016 ...	1.202	1.091	1.035	0.980	0.941	0.907	1.010	E4 10.63 ✓
7) Aroclor 1016 (6)	1.147	1.068	0.977	0.997	0.946	0.912	0.996	E4 8.45 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					2.913		2.913	E3 0.00
10) Aroclor 1221 (2)					2.767		2.767	E3 0.00
11) Aroclor 1221 (3)					9.333		9.333	E3 0.00
12) Aroclor 1221 ...					2.044		2.044	E3 0.00
13) Aroclor 1221 (5)					1.485		1.485	E3 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					7.443		7.443	E3 0.00
16) Aroclor 1232 (2)					4.415		4.415	E3 0.00
17) Aroclor 1232 (3)					8.201		8.201	E3 0.00
18) Aroclor 1232 (4)					3.011		3.011	E3 0.00
19) Aroclor 1232 (5)					3.545		3.545	E3 0.00
20) Aroclor 1232 (6)					3.506		3.506	E3 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					8.311		8.311	E3 0.00
23) Aroclor 1242 ...					1.515		1.515	E4 0.00
24) Aroclor 1242 ...					6.946		6.946	E3 0.00
25) Aroclor 1242 ...					6.245		6.245	E3 0.00
26) Aroclor 1242 ...					7.343		7.343	E3 0.00
27) Aroclor 1242 (6)					7.412		7.412	E3 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					9.027		9.027	E3 0.00
30) Aroclor 1248 ...					1.174		1.174	E4 0.00
31) Aroclor 1248 ...					1.033		1.033	E4 0.00
32) Aroclor 1248 ...					1.296		1.296	E4 0.00
33) Aroclor 1248 ...					1.534		1.534	E4 0.00
34) Aroclor 1248 (6)					1.356		1.356	E4 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					1.607		1.607	E4 0.00
37) Aroclor 1254 ...					2.559		2.559	E4 0.00
38) Aroclor 1254 ...					2.745		2.745	E4 0.00
39) Aroclor 1254 ...					2.007		2.007	E4 0.00
40) Aroclor 1254 ...					1.943		1.943	E4 0.00
41) Aroclor 1254 (6)					5.635		5.635	E3 0.00
42) Aroclor 1254 ...							0.000	-1.00
43) Aroclor 1260 ...	2.069	2.004	1.852	1.932	1.823	1.830	1.913	E4 4.90 ✓
44) Aroclor 1260 ...	2.458	2.380	2.273	2.341	2.291	2.211	2.326	E4 3.41 ✓
45) Aroclor 1260 (3)	2.416	2.430	2.357	2.333	2.249	2.291	2.350	E4 2.76 ✓
46) Aroclor 1260 (4)	3.511	3.698	3.531	3.546	3.577	3.673	3.645	E4 4.47 ✓
47) Aroclor 1260 (5)	2.041	2.099	2.008	2.017	2.074	1.970	2.062	E4 4.09 ✓
48) Aroclor 1260 (6)	8.000	8.104	8.076	8.112	7.761	7.744	7.988	E3 2.07 ✓
49) Aroclor 1260 ...							0.000	-1.00
50) Aroclor 1262 (1)					1.813		1.813	E4 0.00
51) Aroclor 1262 (2)					2.488		2.488	E4 0.00
52) Aroclor 1262 (3)					1.979		1.979	E4 0.00
53) Aroclor 1262 (4)					4.044		4.044	E4 0.00
54) Aroclor 1262 (5)					2.404		2.404	E4 0.00
55) Aroclor 1262 (6)					1.062		1.062	E4 0.00
56) Aroclor 1262 ...							0.000	-1.00
57) Aroclor 1268 (1)					1.086		1.086	E4 0.00
58) Aroclor 1268 (2)					4.654		4.654	E4 0.00
59) Aroclor 1268 (3)					3.576		3.576	E4 0.00
60) Aroclor 1268 (4)					3.160		3.160	E4 0.00

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 08:19:16 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2R006.D 2 =ECD2R007.D 3 =ECD2R008.D
 4 =ECD2R009.D 5 =ECD2R021.D 6 =ECD2R011.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 (5)					1.244		1.244 E4	0.00
62) Aroclor 1268 (6)					8.215		8.215 E4	0.00
63) Aroclor 1268 ...							0.000	-1.00
64) S DCBP (S)	1.695	1.697	1.681	1.714	1.672	1.983	1.789 E5	9.51 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Element Calibration Review Sheet

Calibration ID: **A0D2706**

Instrument: **DUALECD2R**

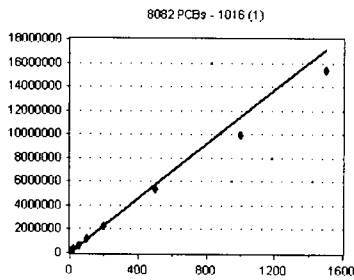
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20042**

1016 (1)

Curve Fit: **AVERAGE RF**

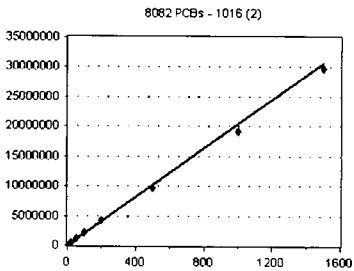


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	273693	13684.650	6.46
0D26013-CAL2	50	626336	12526.720	6.46
0D26013-CAL3	100	1179729	11797.290	6.46
0D26013-CAL4	200	2248205	11241.030	6.46
0D26013-CAL5	500	5327493	10654.990	6.46
0D26013-CAL6	1000	9966342	9966.342	6.46
0D26013-CAL7	1500	534149E+07	10227.660	6.46

AVE RF 11442.670 RF RSD 11.64 AVE RT 6.46

1016 (2)

Curve Fit: **AVERAGE RF**

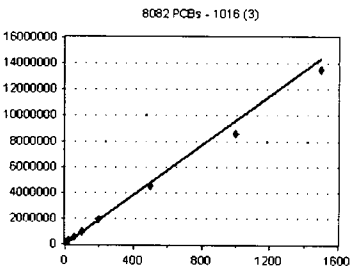


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	436420	21821.000	6.95
0D26013-CAL2	50	1068128	21362.560	6.95
0D26013-CAL3	100	2081097	20810.970	6.95
0D26013-CAL4	200	4090553	20452.770	6.95
0D26013-CAL5	500	9698795	19397.590	6.95
0D26013-CAL6	1000	909237E+07	19092.370	6.95
0D26013-CAL7	1500	977566E+07	19850.440	6.95

AVE RF 20398.240 RF RSD 4.96 AVE RT 6.95

1016 (3)

Curve Fit: **AVERAGE RF**

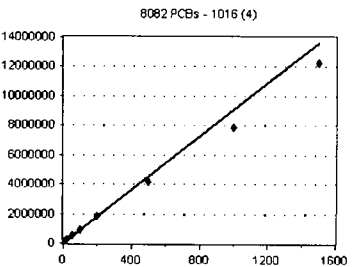


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	220537	11026.850	7.08
0D26013-CAL2	50	513559	10271.180	7.08
0D26013-CAL3	100	950064	9500.640	7.08
0D26013-CAL4	200	1898596	9492.980	7.08
0D26013-CAL5	500	4528038	9056.076	7.08
0D26013-CAL6	1000	8572321	8572.321	7.08
0D26013-CAL7	1500	352898E+07	9019.320	7.08

AVE RF 9562.767 RF RSD 8.74 AVE RT 7.08

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	220163	11008.150	7.16
0D26013-CAL2	50	498186	9963.720	7.16
0D26013-CAL3	100	923527	9235.270	7.16
0D26013-CAL4	200	1800825	9004.125	7.16
0D26013-CAL5	500	4178815	8357.630	7.16
0D26013-CAL6	1000	7862715	7862.715	7.16
0D26013-CAL7	1500	229257E+07	8195.047	7.16

AVE RF 9089.522 RF RSD 12.15 AVE RT 7.16

Element Calibration Review Sheet

Calibration ID: **A0D2706**

Instrument: **DUALECD2R**

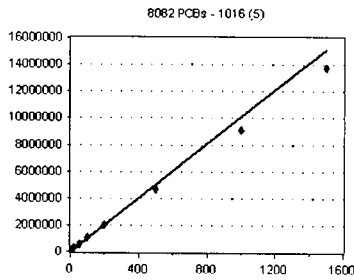
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20042**

1016 (5)

Curve Fit: **AVERAGE RF**

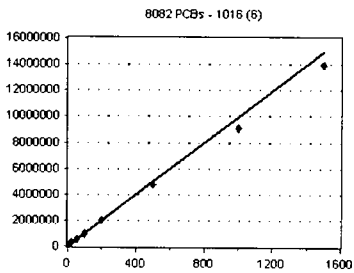


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	240416	12020.800	7.21
0D26013-CAL2	50	545701	10914.020	7.21
0D26013-CAL3	100	1035297	10352.970	7.21
0D26013-CAL4	200	1960937	9804.685	7.21
0D26013-CAL5	500	4702756	9405.512	7.21
0D26013-CAL6	1000	9071307	9071.307	7.21
0D26013-CAL7	1500	374748E+07	9164.986	7.21

AVE RF 10104.900 RF RSD 10.63 AVE RT 7.21

1016 (6)

Curve Fit: **AVERAGE RF**

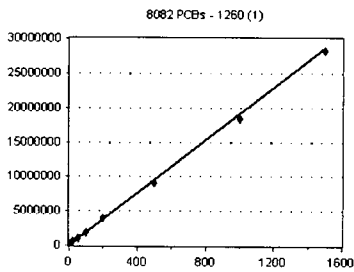


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	229462	11473.100	7.33
0D26013-CAL2	50	534004	10680.080	7.33
0D26013-CAL3	100	977086	9770.860	7.33
0D26013-CAL4	200	1993317	9966.585	7.33
0D26013-CAL5	500	4728111	9456.222	7.33
0D26013-CAL6	1000	9123133	9123.133	7.33
0D26013-CAL7	1500	392254E+07	9281.693	7.33

AVE RF 9964.525 RF RSD 8.45 AVE RT 7.33

1260 (1)

Curve Fit: **AVERAGE RF**

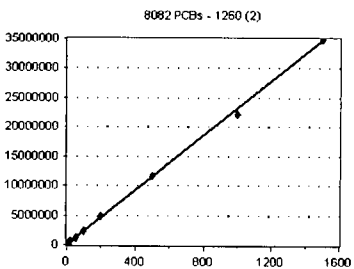


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	413848	20692.400	8.31
0D26013-CAL2	50	1001878	20037.560	8.31
0D26013-CAL3	100	1852249	18522.490	8.31
0D26013-CAL4	200	3863355	19316.780	8.31
0D26013-CAL5	500	9116360	18232.720	8.31
0D26013-CAL6	1000	.82998E+07	18299.800	8.31
0D26013-CAL7	1500	818761E+07	18791.740	8.31

AVE RF 19127.640 RF RSD 4.90 AVE RT 8.31

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	491575	24578.750	8.51
0D26013-CAL2	50	1190123	23802.460	8.51
0D26013-CAL3	100	2273391	22733.910	8.51
0D26013-CAL4	200	4682576	23412.880	8.51
0D26013-CAL5	500	145686E+07	22913.720	8.51
0D26013-CAL6	1000	210972E+07	22109.720	8.51
0D26013-CAL7	1500	486169E+07	23241.130	8.51

AVE RF 23256.080 RF RSD 3.41 AVE RT 8.51

Element Calibration Review Sheet

Calibration ID: **A0D2706**

Instrument: **DUALECD2R**

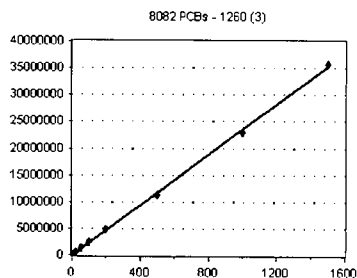
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20042**

1260 (3)

Curve Fit: **AVERAGE RF**

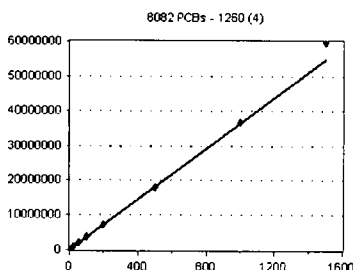


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	483114	24155.700	8.74
0D26013-CAL2	50	1214934	24298.680	8.74
0D26013-CAL3	100	2357411	23574.110	8.74
0D26013-CAL4	200	4666457	23332.290	8.74
0D26013-CAL5	500	124519E+07	22490.380	8.74
0D26013-CAL6	1000	290792E+07	22907.920	8.75
0D26013-CAL7	1500	557398E+07	23715.990	8.74

AVE RF 23496.440 **RF RSD** 2.76 **AVE RT** 8.74

1260 (4)

Curve Fit: **AVERAGE RF**

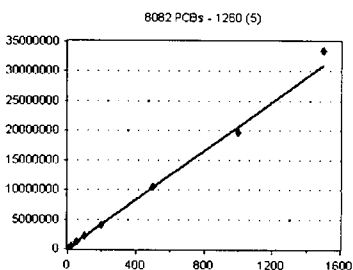


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	702257	35112.850	9.24
0D26013-CAL2	50	1848924	36978.480	9.24
0D26013-CAL3	100	3531407	35314.070	9.24
0D26013-CAL4	200	7092137	35460.680	9.24
0D26013-CAL5	500	788282E+07	35765.640	9.24
0D26013-CAL6	1000	673354E+07	36733.540	9.24
0D26013-CAL7	1500	966229E+07	39774.860	9.24

AVE RF 36448.590 **RF RSD** 4.47 **AVE RT** 9.24

1260 (5)

Curve Fit: **AVERAGE RF**

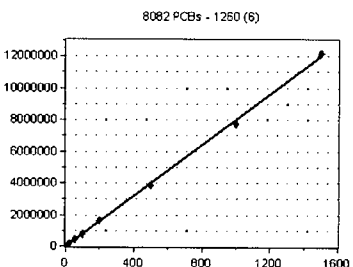


Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	408172	20408.600	9.52
0D26013-CAL2	50	1049480	20989.600	9.52
0D26013-CAL3	100	2008298	20082.980	9.52
0D26013-CAL4	200	4034614	20173.070	9.52
0D26013-CAL5	500	037209E+07	20744.180	9.52
0D26013-CAL6	1000	970083E+07	19700.830	9.52
0D26013-CAL7	1500	340887E+07	22272.580	9.52

AVE RF 20624.550 **RF RSD** 4.09 **AVE RT** 9.52

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	20	160002	8000.100	10.12
0D26013-CAL2	50	405203	8104.060	10.12
0D26013-CAL3	100	807640	8076.400	10.12
0D26013-CAL4	200	1622349	8111.745	10.12
0D26013-CAL5	500	3880517	7761.034	10.12
0D26013-CAL6	1000	7744401	7744.401	10.12
0D26013-CAL7	1500	217849E+07	8118.993	10.12

AVE RF 7988.105 **RF RSD** 2.07 **AVE RT** 10.12

Element Calibration Review Sheet

Calibration ID: **A0D2706**

Instrument: **DUALECD2R**

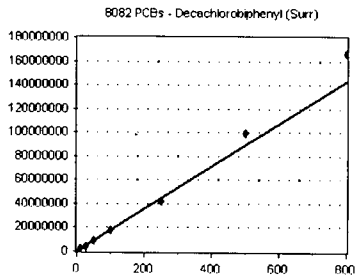
Calibration Date: **04/27/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20042**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D26013-CAL1	10	1694811	169481.100	10.84
0D26013-CAL2	25	4242576	169703.000	10.84
0D26013-CAL3	50	8402607	168052.100	10.84
0D26013-CAL4	100	713688E+07	171368.800	10.84
0D26013-CAL5	250	179195E+07	167167.800	10.84
0D26013-CAL6	500	915422E+07	198308.500	10.84
0D26013-CAL7	800	.66793E+08	208491.200	10.84

AVE RF **178938.900** RF RSD **9.51** AVE RT **10.84**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D26013

Analysis Included

1311/8082 TCLP PCBs
 608 PCBs
 608 PCBs - LL (1000/1mL) +1262/68
 608.3 PCBs
 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 (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0D26013-ICB1	Initial Cal Blank	Water	A20D303		4/26/2020 6:45:00PM
0D26013-CAL1	Cal Standard	Water	A19L280	"	4/26/2020 7:03:00PM
0D26013-CAL2	Cal Standard	Water	A19L281	"	4/26/2020 7:20:00PM
0D26013-CAL3	Cal Standard	Water	A19L282	"	4/26/2020 7:38:00PM
0D26013-CAL4	Cal Standard	Water	A19L283	"	4/26/2020 7:55:00PM
0D26013-CAL5	Cal Standard	Water	A19L276	"	4/26/2020 8:13:00PM
0D26013-CAL6	Cal Standard	Water	A19L278	"	4/26/2020 8:30:00PM
0D26013-CAL7	Cal Standard	Water	A19L279	"	4/26/2020 8:48:00PM
0D26013-ICV1	Initial Cal Check	Water	A20B355	"	4/26/2020 9:23:00PM
0D26013-CAL8	Cal Standard	Water	A20C117	"	4/26/2020 9:41:00PM
0D26013-CAL9	Cal Standard	Water	A20B322	"	4/26/2020 9:58:00PM
0D26013-CALA	Cal Standard	Water	A20B323	"	4/26/2020 10:16:00PM
0D26013-CALB	Cal Standard	Water	A20B324	"	4/26/2020 10:33:00PM
0D26013-CALC	Cal Standard	Water	A20B325	"	4/26/2020 10:51:00PM
0D26013-CALD	Cal Standard	Water	A20B326	"	4/26/2020 11:08:00PM
0D26013-CALE	Cal Standard	Water	A20B327	"	4/26/2020 11:26:00PM
0D26013-ICV2	Initial Cal Check	Water	A20B353	"	4/26/2020 11:43:00PM
0D26013-ICV3	Initial Cal Check	Water	A20D351	"	4/27/2020 12:01:00AM
0D26013-ICV4	Initial Cal Check	Water	A20B354	"	4/27/2020 12:18:00AM
0D26013-ICV5	Initial Cal Check	Water	A20B130	"	4/27/2020 12:36:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0D2706

Instrument: DUALECD2R

1311/8082 TCLP PCBs

Sequence: 0D26013

Matrix: Water

0D26013-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	
Aroclor 1260	0.0000	0.00	20.0	0	

0D26013-CAL2

Inst. MRL Recalc Res. Cal Level %Rec. Qual

06/25/20 Anchor QEA, LLC - Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Cores Page 1012 of 2108

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D26013

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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-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	
0D26013-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D26013

Aroclor 1254	0.0000	0.00	500	0	
0D26013-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
Aroclor 1262	0.0000	0.00	500	0	
0D26013-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 quadratic fit compounds.

Analytes With Quadratic Curve Fits

<u>Qualifier</u>	<u>iMDL</u>	<u>iMRL</u>	<u>Spike Amt</u>	<u>%Difference</u>	<u>OK?</u>	<u>Raise MRL to ?</u>
				_____	<input type="checkbox"/>	<input type="checkbox"/> _____

Analytes listed above have quadratic curve fits. If they are using a weighting option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D2706**

Instrument: **DUALECD2R**

608.3 PCBs

Sequence: **0D26013**

Matrix: **Water**

0D26013-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
<div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>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.</p> </div>					

Compound List Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200426.M
 Title : PCB Data Analysis
 Last Update : Mon Apr 27 08:19:16 2020
 Response Via : Initial Calibration

Handwritten signature
 4/27/20

Total Cpnds : 64

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.791	1.000	A	H	R
2	Aroclor 1016 (1)	6.460	1.000	A	H	R
3	Aroclor 1016 (2)	6.948	1.000	A	H	R
4	Aroclor 1016 (3)	7.075	1.000	A	H	R
5	Aroclor 1016 (4)	7.162	1.000	A	H	R
6	Aroclor 1016 (5)	7.207	1.000	A	H	R
7	Aroclor 1016 (6)	7.333	1.000	A	H	R
8	Aroclor 1016 - AVE	1.942	1.000	A	H	R
9	Aroclor 1221 (1)	5.966	1.000	A	H	R
10	Aroclor 1221 (2)	6.037	1.000	A	H	R
11	Aroclor 1221 (3)	6.125	1.000	A	H	R
12	Aroclor 1221 (4) *	6.634	1.000	A	H	R
13	Aroclor 1221 (5) *	6.949	1.000	A	H	R
14	Aroclor 1221 - AVE	1.942	1.000	A	H	R
15	Aroclor 1232 (1)	6.123	1.000	A	H	R
16	Aroclor 1232 (2)	6.460	1.000	A	H	R
17	Aroclor 1232 (3)	6.947	1.000	A	H	R
18	Aroclor 1232 (4)	7.162	1.000	A	H	R
19	Aroclor 1232 (5)	7.207	1.000	A	H	R
20	Aroclor 1232 (6)	7.332	1.000	A	H	R
21	Aroclor 1232 - AVE	1.942	1.000	A	H	R
22	Aroclor 1242 (1)	6.458	1.000	A	H	R
23	Aroclor 1242 (2)	6.947	1.000	A	H	R
24	Aroclor 1242 (3)	7.074	1.000	A	H	R
25	Aroclor 1242 (4)	7.161	1.000	A	H	R
26	Aroclor 1242 (5)	7.206	1.000	A	H	R
27	Aroclor 1242 (6)	7.331	1.000	A	H	R
28	Aroclor 1242 - AVE	1.942	1.000	A	H	R
29	Aroclor 1248 (1)	6.948	1.000	A	H	R
30	Aroclor 1248 (2)	7.162	1.000	A	H	R
31	Aroclor 1248 (3)	7.207	1.000	A	H	R
32	Aroclor 1248 (4)	7.333	1.000	A	H	R
33	Aroclor 1248 (5)	7.697	1.000	A	H	R
34	Aroclor 1248 (6)	7.856	1.000	A	H	R
35	Aroclor 1248 - AVE	1.942	1.000	A	H	R
36	Aroclor 1254 (1)	7.678	1.000	A	H	R
37	Aroclor 1254 (2)	7.858	1.000	A	H	R
38	Aroclor 1254 (3)	8.169	1.000	A	H	R
39	Aroclor 1254 (4)	8.407	1.000	A	H	R
40	Aroclor 1254 (5)	8.743	1.000	A	H	R
41	Aroclor 1254 (6)	8.975	1.000	A	H	R
42	Aroclor 1254 - AVE	1.942	1.000	A	H	R
43	Aroclor 1260 (1)	8.305	1.000	A	H	R
44	Aroclor 1260 (2)	8.511	1.000	A	H	R
45	Aroclor 1260 (3)	8.743	1.000	A	H	R
46	Aroclor 1260 (4)	9.243	1.000	A	H	R
47	Aroclor 1260 (5)	9.518	1.000	A	H	R
48	Aroclor 1260 (6)	10.118	1.000	A	H	R
49	Aroclor 1260 - AVE	1.942	1.000	A	H	R
50	Aroclor 1262 (1)	8.509	1.000	A	H	R
51	Aroclor 1262 (2)	8.813	1.000	A	H	R
52	Aroclor 1262 (3)	8.993	1.000	A	H	R
53	Aroclor 1262 (4)	9.242	1.000	A	H	R
54	Aroclor 1262 (5)	9.518	1.000	A	H	R
55	Aroclor 1262 (6)	10.118	1.000	A	H	R
56	Aroclor 1262 - AVE	1.942	1.000	A	H	R

* New

57	Aroclor 1268 (1)	9.037	1.000	A	H	R
58	Aroclor 1268 (2)	9.521	1.000	A	H	R
59	Aroclor 1268 (3)	9.589	1.000	A	H	R
60	Aroclor 1268 (4)	9.819	1.000	A	H	R
61	Aroclor 1268 (5)	10.119	1.000	A	H	R
62	Aroclor 1268 (6)	10.498	1.000	A	H	R
63	Aroclor 1268 - AVE	1.941	1.000	A	H	R
64	S DCBP (S)	10.835	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_200426.M Mon Apr 27 13:38:09 2020

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 18:45
 Operator : MJB / KAK
 Sample : 0D26013-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:13:39 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.789	34969082	91.236 ng/ml
64) S DCBP (S)	10.836	15026562	83.976 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.469	8614	0.753 ng/ml
3) Aroclor 1016 (2)	6.958	16631	0.815 ng/ml
4) Aroclor 1016 (3)	7.078	12435	1.300 ng/ml
5) Aroclor 1016 (4)	7.167	10692	1.176 ng/ml
6) Aroclor 1016 (5)	7.214	7446	0.737 ng/ml
7) Aroclor 1016 (6)	7.344	4929	0.495 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.967	11263	3.866 ng/ml
10) Aroclor 1221 (2)	6.037	6521	2.357 ng/ml
11) Aroclor 1221 (3)	6.095	686659	73.570 ng/ml
12) Aroclor 1221 (4)	6.643	7966	3.897 ng/ml
13) Aroclor 1221 (5)	6.958	16631	11.198 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.095	686659	92.254 ng/ml
16) Aroclor 1232 (2)	6.469	8614	1.951 ng/ml
17) Aroclor 1232 (3)	6.958	16631	2.028 ng/ml
18) Aroclor 1232 (4)	7.167	10692	3.551 ng/ml
19) Aroclor 1232 (5)	7.214	7446	2.100 ng/ml
20) Aroclor 1232 (6)	7.344	4929	1.406 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.469	8614	1.036 ng/ml
23) Aroclor 1242 (2)	6.958	16631	1.098 ng/ml
24) Aroclor 1242 (3)	7.078	12435	1.790 ng/ml
25) Aroclor 1242 (4)	7.167	10692	1.712 ng/ml
26) Aroclor 1242 (5)	7.214	7446	1.014 ng/ml
27) Aroclor 1242 (6)	7.344	4929	0.665 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.958	16631	1.842 ng/ml
30) Aroclor 1248 (2)	7.167	10692	0.911 ng/ml
31) Aroclor 1248 (3)	7.214	7446	0.721 ng/ml
32) Aroclor 1248 (4)	7.344	4929	0.380 ng/ml
33) Aroclor 1248 (5)	7.667	147854	9.641 ng/ml
34) Aroclor 1248 (6)	7.860	7632	0.563 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.667	147854	9.203 ng/ml
37) Aroclor 1254 (2)	7.860	7632	0.298 ng/ml
38) Aroclor 1254 (3)	8.175	1723	0.063 ng/ml
39) Aroclor 1254 (4)	8.414	5770	0.287 ng/ml
40) Aroclor 1254 (5)	8.744	7085	0.365 ng/ml
41) Aroclor 1254 (6)	8.991	46758	8.298 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	4234	0.221 ng/ml
44) Aroclor 1260 (2)	8.513	4683	0.201 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 18:45
 Operator : MJB / KAK
 Sample : 0D26013-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:13:39 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.744	7085	0.302 ng/ml
46) Aroclor 1260 (4)	9.242	9489	0.260 ng/ml
47) Aroclor 1260 (5)	9.519	7316	0.355 ng/ml
48) Aroclor 1260 (6)	10.120	17672	2.212 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.513	4683	0.258 ng/ml
51) Aroclor 1262 (2)	8.810	5339	0.215 ng/ml
52) Aroclor 1262 (3)	8.991	46758	2.362 ng/ml
53) Aroclor 1262 (4)	9.242	9489	0.235 ng/ml
54) Aroclor 1262 (5)	9.519	7316	0.304 ng/ml
55) Aroclor 1262 (6)	10.120	17672	1.664 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.041	6497	0.598 ng/ml
58) Aroclor 1268 (2)	9.519	7316	0.157 ng/ml
59) Aroclor 1268 (3)	9.596	1498	0.042 ng/ml
60) Aroclor 1268 (4)	9.820	35973	1.138 ng/ml
61) Aroclor 1268 (5)	10.120	17672	1.421 ng/ml
62) Aroclor 1268 (6)	10.499	61319	0.746 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

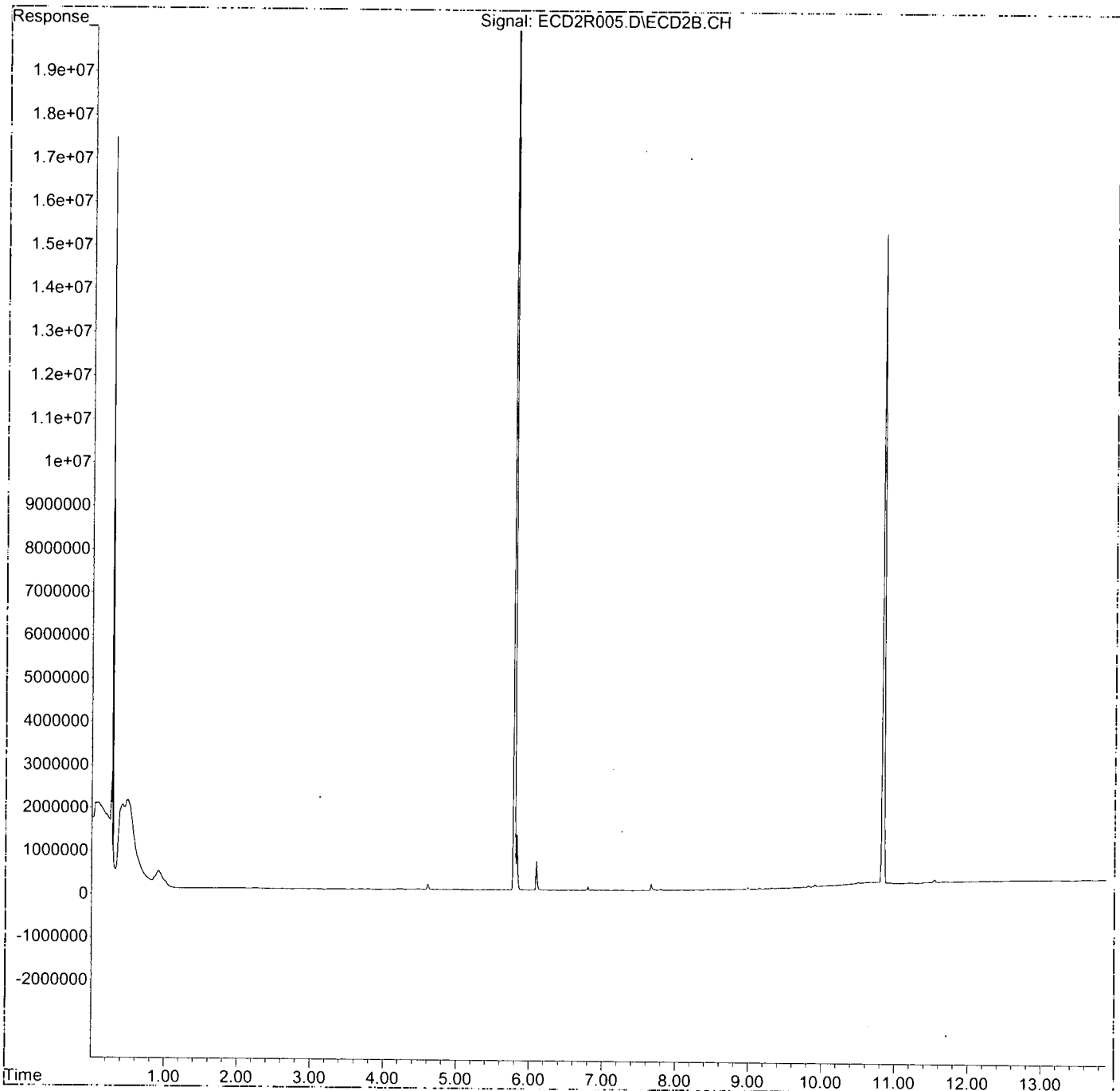
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 18:45
Operator : MJB / KAK
Sample : 0D26013-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:13:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:06
 Operator : MJB / KAK
 Sample : 0D26013-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 Clean

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.786	26280	0.069 ng/ml
64) S DCBP (S)	10.833	35785	0.200 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.442	22062	1.928 ng/ml
3) Aroclor 1016 (2)	6.960	20989	1.029 ng/ml
4) Aroclor 1016 (3)	7.072	20980	2.194 ng/ml
5) Aroclor 1016 (4)	7.165	22766	2.505 ng/ml
6) Aroclor 1016 (5)	7.210	18477	1.829 ng/ml
7) Aroclor 1016 (6)	7.332	14166	1.422 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.963	16993	5.833 ng/ml
10) Aroclor 1221 (2)	6.040	23133	8.360 ng/ml
11) Aroclor 1221 (3)	6.102	24681	2.644 ng/ml
12) Aroclor 1221 (4)	6.646	19441	9.510 ng/ml
13) Aroclor 1221 (5)	6.960	20989	14.132 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.102	24681	3.316 ng/ml
16) Aroclor 1232 (2)	6.442	22062	4.997 ng/ml
17) Aroclor 1232 (3)	6.960	20989	2.559 ng/ml
18) Aroclor 1232 (4)	7.165	22766	7.561 ng/ml
19) Aroclor 1232 (5)	7.210	18477	5.211 ng/ml
20) Aroclor 1232 (6)	7.332	14166	4.041 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.442	22062	2.655 ng/ml
23) Aroclor 1242 (2)	6.960	20989	1.386 ng/ml
24) Aroclor 1242 (3)	7.072	20980	3.020 ng/ml
25) Aroclor 1242 (4)	7.165	22766	3.646 ng/ml
26) Aroclor 1242 (5)	7.210	18477	2.516 ng/ml
27) Aroclor 1242 (6)	7.332	14166	1.911 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.960	20989	2.325 ng/ml
30) Aroclor 1248 (2)	7.165	22766	1.940 ng/ml
31) Aroclor 1248 (3)	7.210	18477	1.789 ng/ml
32) Aroclor 1248 (4)	7.332	14166	1.093 ng/ml
33) Aroclor 1248 (5)	7.667	151815	9.899 ng/ml
34) Aroclor 1248 (6)	7.863	15285	1.128 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.667	151815	9.450 ng/ml
37) Aroclor 1254 (2)	7.863	15285	0.597 ng/ml
38) Aroclor 1254 (3)	8.170	11171	0.407 ng/ml
39) Aroclor 1254 (4)	8.417	15085	0.752 ng/ml
40) Aroclor 1254 (5)	8.744	16530	0.851 ng/ml
41) Aroclor 1254 (6)	8.957	12039	2.136 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	15327	0.801 ng/ml
44) Aroclor 1260 (2)	8.531	31836	1.369 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:06
 Operator : MJB / KAK
 Sample : 0D26013-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.744	16530	0.704 ng/ml
46) Aroclor 1260 (4)	9.242	19560	0.537 ng/ml
47) Aroclor 1260 (5)	9.518	18786	0.911 ng/ml
48) Aroclor 1260 (6)	10.122	18034	2.258 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.490	17106	0.943 ng/ml
51) Aroclor 1262 (2)	8.813	13868	0.557 ng/ml
52) Aroclor 1262 (3)	8.993	29285	1.480 ng/ml
53) Aroclor 1262 (4)	9.242	19560	0.484 ng/ml
54) Aroclor 1262 (5)	9.518	18786	0.782 ng/ml
55) Aroclor 1262 (6)	10.122	18034	1.698 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.040	9582	0.882 ng/ml
58) Aroclor 1268 (2)	9.518	18786	0.404 ng/ml
59) Aroclor 1268 (3)	9.590	14376	0.402 ng/ml
60) Aroclor 1268 (4)	9.819	15464	0.489 ng/ml
61) Aroclor 1268 (5)	10.122	18034	1.450 ng/ml
62) Aroclor 1268 (6)	10.501	19547	0.238 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

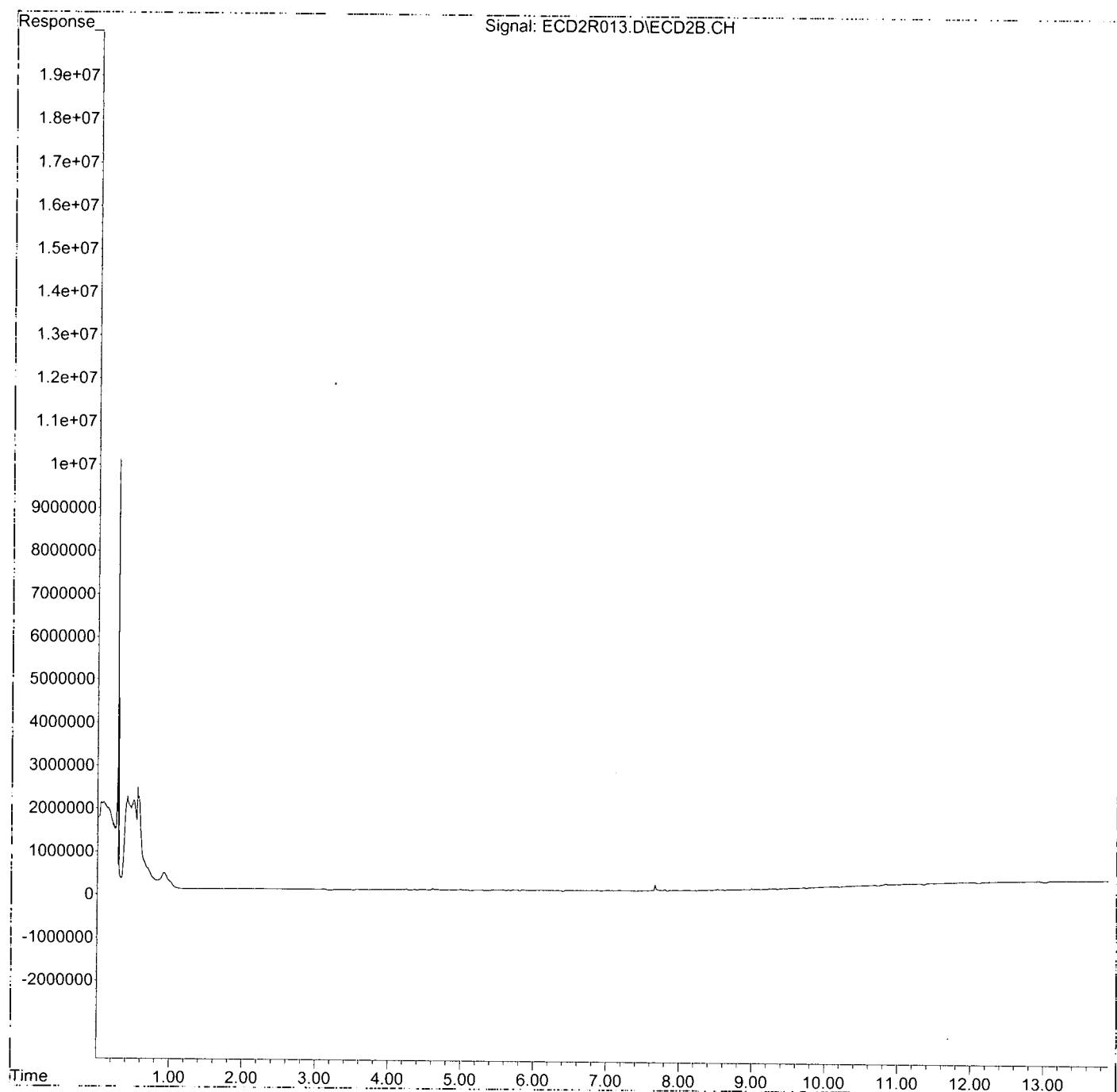
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 21:06
Operator : MJB / KAK
Sample : 0D26013-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:14:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:23
 Operator : MJB / KAK
 Sample : 0D26013-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20
 1016, 1260

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.790	82203389	214.473 ng/ml
64) S DCBP (S)	10.835	35895034	200.599 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.460	5247751	458.612 ng/ml
3) Aroclor 1016 (2)	6.948	9921700	486.400 ng/ml
4) Aroclor 1016 (3)	7.074	4664531	487.781 ng/ml
5) Aroclor 1016 (4)	7.161	4060336	446.705 ng/ml
6) Aroclor 1016 (5)	7.207	4648630	460.037 ng/ml
7) Aroclor 1016 (6)	7.333	4457010	447.288 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.964	344783	118.340 ng/ml
10) Aroclor 1221 (2)	6.036	653238	236.084 ng/ml
11) Aroclor 1221 (3)	6.123	3237595	346.883 ng/ml
12) Aroclor 1221 (4)	6.633	3211656	1571.088 ng/ml
13) Aroclor 1221 (5)	6.948	9921700	6680.265 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.123	3237595	434.976 ng/ml
16) Aroclor 1232 (2)	6.460	5247751	1188.568 ng/ml
17) Aroclor 1232 (3)	6.948	9921700	1209.804 ng/ml
18) Aroclor 1232 (4)	7.161	4060336	1348.479 ng/ml
19) Aroclor 1232 (5)	7.207	4648630	1311.165 ng/ml
20) Aroclor 1232 (6)	7.333	4457010	1271.362 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.460	5247751	631.409 ng/ml
23) Aroclor 1242 (2)	6.948	9921700	655.096 ng/ml
24) Aroclor 1242 (3)	7.074	4664531	671.513 ng/ml
25) Aroclor 1242 (4)	7.161	4060336	650.168 ng/ml
26) Aroclor 1242 (5)	7.207	4648630	633.086 ng/ml
27) Aroclor 1242 (6)	7.333	4457010	601.314 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.948	9921700	1099.080 ng/ml
30) Aroclor 1248 (2)	7.161	4060336	345.908 ng/ml
31) Aroclor 1248 (3)	7.207	4648630	450.003 ng/ml
32) Aroclor 1248 (4)	7.333	4457010	343.815 ng/ml
33) Aroclor 1248 (5)	7.697	813050	53.016 ng/ml
34) Aroclor 1248 (6)	7.857	4270177	314.985 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.676	3367045	209.585 ng/ml
37) Aroclor 1254 (2)	7.857	4270177	166.861 ng/ml
38) Aroclor 1254 (3)	8.167	2195438	79.989 ng/ml
39) Aroclor 1254 (4)	8.407	1360763	67.801 ng/ml
40) Aroclor 1254 (5)	8.743	13141925	676.476 ng/ml
41) Aroclor 1254 (6)	8.964	1501362	266.429 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	10180601	532.245 ng/ml
44) Aroclor 1260 (2)	8.510	12223751	525.615 ng/ml

Handwritten: 464.471

Handwritten: 480.960

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:23
 Operator : MJB / KAK
 Sample : 0D26013-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.743	13141925	559.316	ng/ml
46) Aroclor 1260 (4)	9.243	16832989	461.828	ng/ml
47) Aroclor 1260 (5)	9.516	9045431	438.576	ng/ml
48) Aroclor 1260 (6)	10.119	2941049	368.179	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.510	12223751	674.081	ng/ml
51) Aroclor 1262 (2)	8.813	7073638	284.276	ng/ml
52) Aroclor 1262 (3)	8.994	7144238	360.937	ng/ml
53) Aroclor 1262 (4)	9.243	16832989	416.225	ng/ml
54) Aroclor 1262 (5)	9.516	9045431	376.323	ng/ml
55) Aroclor 1262 (6)	10.119	2941049	276.869	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	9.036	455393	41.939	ng/ml
58) Aroclor 1268 (2)	9.516	9045431	194.367	ng/ml
59) Aroclor 1268 (3)	9.586	2729846	76.332	ng/ml
60) Aroclor 1268 (4)	9.819	279928	8.859	ng/ml
61) Aroclor 1268 (5)	10.119	2941049	236.406	ng/ml
62) Aroclor 1268 (6)	10.496	828262	10.083	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

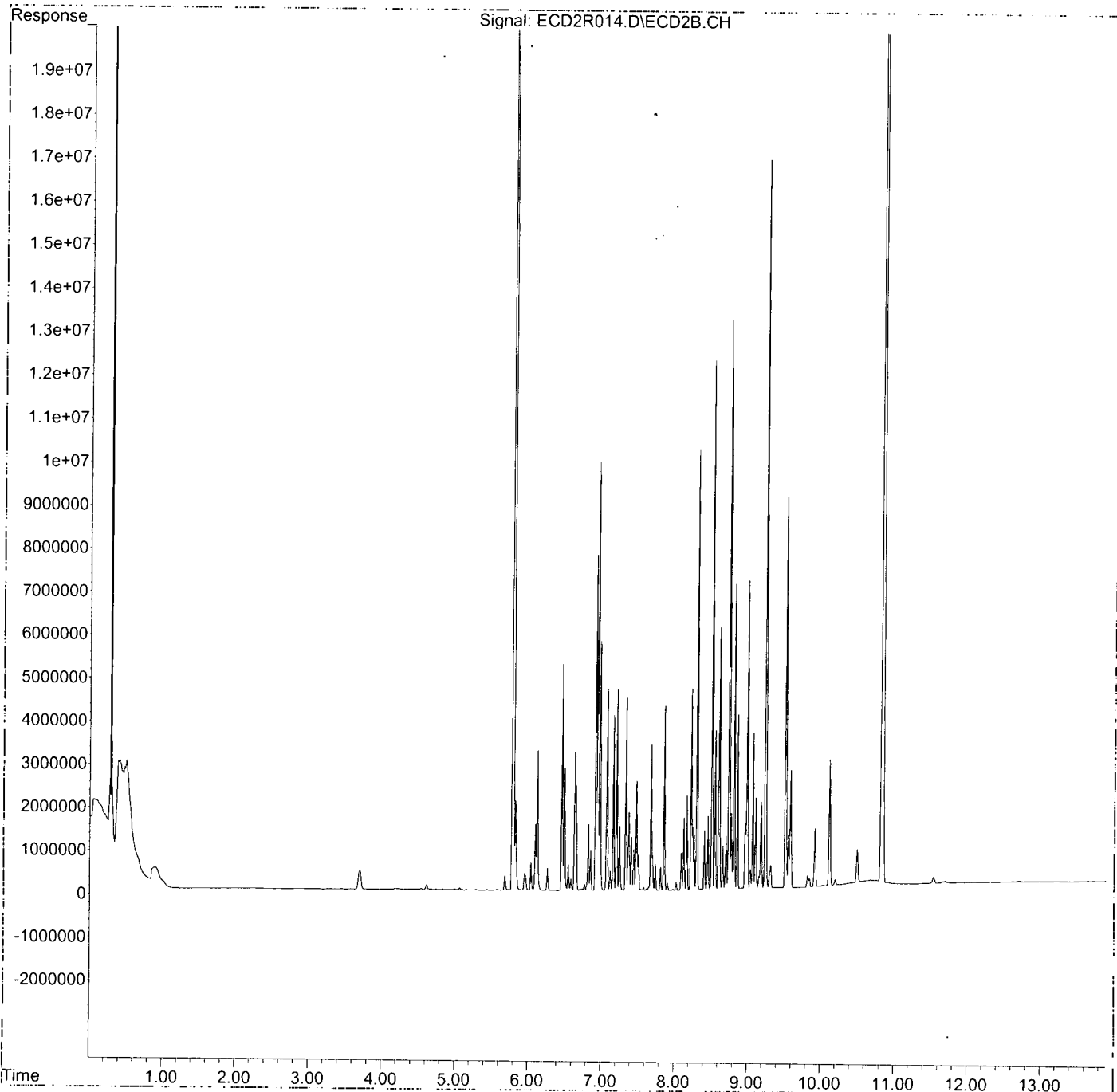
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 21:23
Operator : MJB / KAK
Sample : 0D26013-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:14:19 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 23:43
 Operator : MJB / KAK
 Sample : 0D26013-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20
 1221, 1254

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.788	15295440	39.907 ng/ml
64) S DCBP (S)	10.833	14463284	80.828 ng/ml

Compound	R.T.	Response	Conc Units
Target Compounds			
2) Aroclor 1016 (1)	6.459	960862	83.972 ng/ml
3) Aroclor 1016 (2)	6.947	1520242	74.528 ng/ml
4) Aroclor 1016 (3)	7.075	699474	73.146 ng/ml
5) Aroclor 1016 (4)	7.161	4911992	540.401 ng/ml
6) Aroclor 1016 (5)	7.207	1726615	170.869 ng/ml
7) Aroclor 1016 (6)	7.332	2987924	299.856 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.963	2680203	919.927 ng/ml
10) Aroclor 1221 (2)	6.036	2552831	922.608 ng/ml
11) Aroclor 1221 (3)	6.123	9140804	979.367 ng/ml
12) Aroclor 1221 (4)	6.633	1913432	936.019 ng/ml
13) Aroclor 1221 (5)	6.947	1520242	1023.577 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.123	9140804	1228.082 ng/ml
16) Aroclor 1232 (2)	6.459	960862	217.627 ng/ml
17) Aroclor 1232 (3)	6.947	1520242	185.371 ng/ml
18) Aroclor 1232 (4)	7.161	4911992	1631.323 ng/ml
19) Aroclor 1232 (5)	7.207	1726615	486.999 ng/ml
20) Aroclor 1232 (6)	7.332	2987924	852.305 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.459	960862	115.611 ng/ml
23) Aroclor 1242 (2)	6.947	1520242	100.376 ng/ml
24) Aroclor 1242 (3)	7.075	699474	100.697 ng/ml
25) Aroclor 1242 (4)	7.161	4911992	786.541 ng/ml
26) Aroclor 1242 (5)	7.207	1726615	235.144 ng/ml
27) Aroclor 1242 (6)	7.332	2987924	403.113 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.947	1520242	168.405 ng/ml
30) Aroclor 1248 (2)	7.161	4911992	418.462 ng/ml
31) Aroclor 1248 (3)	7.207	1726615	167.142 ng/ml
32) Aroclor 1248 (4)	7.332	2987924	230.489 ng/ml
33) Aroclor 1248 (5)	7.696	4809264	313.595 ng/ml
34) Aroclor 1248 (6)	7.857	12465293	919.490 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.676	8511504	529.808 ng/ml
37) Aroclor 1254 (2)	7.857	12465293	487.093 ng/ml
38) Aroclor 1254 (3)	8.168	13239312	482.363 ng/ml
39) Aroclor 1254 (4)	8.405	9787083	487.651 ng/ml
40) Aroclor 1254 (5)	8.741	10178651	523.943 ng/ml
41) Aroclor 1254 (6)	8.973	2624829	465.798 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.304	4783263	250.071 ng/ml
44) Aroclor 1260 (2)	8.509	5914795	254.333 ng/ml

Handwritten: 4/27/20
 956.308

Handwritten: 496.110

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 23:43
 Operator : MJB / KAK
 Sample : 0D26013-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale.Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.741	10178651	433.200	ng/ml
46) Aroclor 1260 (4)	9.242	1520529	41.717	ng/ml
47) Aroclor 1260 (5)	9.515	1185566	57.483	ng/ml
48) Aroclor 1260 (6)	10.118	84669	10.599	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.509	5914795	326.173	ng/ml
51) Aroclor 1262 (2)	8.812	540259	21.712	ng/ml
52) Aroclor 1262 (3)	8.973	2624829	132.610	ng/ml
53) Aroclor 1262 (4)	9.242	1520529	37.598	ng/ml
54) Aroclor 1262 (5)	9.515	1185566	49.324	ng/ml
55) Aroclor 1262 (6)	10.118	84669	7.971	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	9.037	54291	5.000	ng/ml
58) Aroclor 1268 (2)	9.515	1185566	25.475	ng/ml
59) Aroclor 1268 (3)	9.584	85022	2.377	ng/ml
60) Aroclor 1268 (4)	9.817	52362	1.657	ng/ml
61) Aroclor 1268 (5)	10.118	84669	6.806	ng/ml
62) Aroclor 1268 (6)	10.496	75516	0.919	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

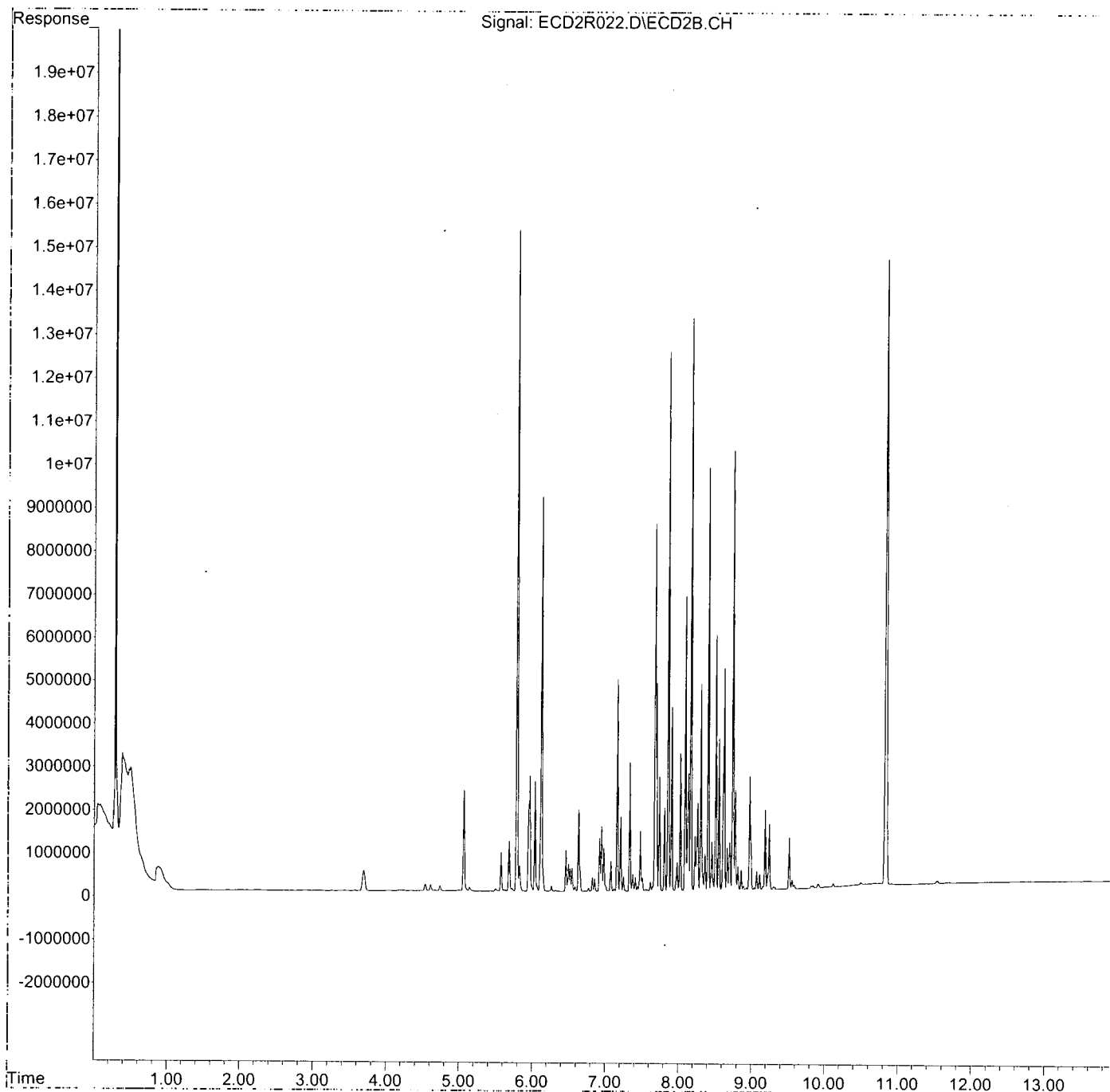
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 23:43
Operator : MJB / KAK
Sample : 0D26013-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:14:38 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 27 Apr 2020 00:01
 Operator : MJB / KAK
 Sample : 0D26013-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 1232, 1262

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.789	15626737	40.771 ng/ml
64) S DCBP (S)	10.835	13750207	76.843 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.461	2352359	205.578 ng/ml
3) Aroclor 1016 (2)	6.948	4140264	202.972 ng/ml
4) Aroclor 1016 (3)	7.075	1985846	207.664 ng/ml
5) Aroclor 1016 (4)	7.162	1610013	177.128 ng/ml
6) Aroclor 1016 (5)	7.207	1821751	180.284 ng/ml
7) Aroclor 1016 (6)	7.333	1880590	188.729 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.965	866672	297.468 ng/ml
10) Aroclor 1221 (2)	6.037	978952	353.799 ng/ml
11) Aroclor 1221 (3)	6.124	3694302	395.816 ng/ml
12) Aroclor 1221 (4)	6.634	1770297	866.000 ng/ml
13) Aroclor 1221 (5)	6.948	4140264	2787.633 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.124	3694302	496.335 ng/ml
16) Aroclor 1232 (2)	6.461	2352359	532.788 ng/ml
17) Aroclor 1232 (3)	6.948	4140264	504.844 ng/ml
18) Aroclor 1232 (4)	7.162	1610013	534.702 ng/ml
19) Aroclor 1232 (5)	7.207	1821751	513.832 ng/ml
20) Aroclor 1232 (6)	7.333	1880590	536.438 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.461	2352359	283.036 ng/ml
23) Aroclor 1242 (2)	6.948	4140264	273.368 ng/ml
24) Aroclor 1242 (3)	7.075	1985846	285.885 ng/ml
25) Aroclor 1242 (4)	7.162	1610013	257.806 ng/ml
26) Aroclor 1242 (5)	7.207	1821751	248.100 ng/ml
27) Aroclor 1242 (6)	7.333	1880590	253.718 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.948	4140264	458.639 ng/ml
30) Aroclor 1248 (2)	7.162	1610013	137.160 ng/ml
31) Aroclor 1248 (3)	7.207	1821751	176.352 ng/ml
32) Aroclor 1248 (4)	7.333	1880590	145.069 ng/ml
33) Aroclor 1248 (5)	7.697	2215805	144.485 ng/ml
34) Aroclor 1248 (6)	7.855	2885383	212.837 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.678	2445682	152.234 ng/ml
37) Aroclor 1254 (2)	7.855	2885383	112.749 ng/ml
38) Aroclor 1254 (3)	8.168	1127564	41.082 ng/ml
39) Aroclor 1254 (4)	8.407	859381	42.820 ng/ml
40) Aroclor 1254 (5)	8.745	6776693	348.828 ng/ml
41) Aroclor 1254 (6)	8.962	2112099	374.810 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	7468004	390.430 ng/ml
44) Aroclor 1260 (2)	8.511	9223630	396.611 ng/ml

Handwritten: 519.823

Data Path : K:\DATA\0D26013\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 27 Apr 2020 00:01
 Operator : MJB / KAK
 Sample : 0D26013-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:14:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.745	6776693	288.414 ng/ml
46) Aroclor 1260 (4)	9.243	20707645	568.133 ng/ml
47) Aroclor 1260 (5)	9.519	11384430	551.984 ng/ml
48) Aroclor 1260 (6)	10.121	5392019	675.006 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.511	9223630	508.639 ng/ml
51) Aroclor 1262 (2)	8.814	12119300	487.052 ng/ml
52) Aroclor 1262 (3)	8.994	9979464	504.176 ng/ml
53) Aroclor 1262 (4)	9.243	20707645	512.033 ng/ml
54) Aroclor 1262 (5)	9.519	11384430	473.634 ng/ml
55) Aroclor 1262 (6)	10.121	5392019	507.603 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.037	1240504	114.244 ng/ml
58) Aroclor 1268 (2)	9.519	11384430	244.627 ng/ml
59) Aroclor 1268 (3)	9.587	6454358	180.476 ng/ml
60) Aroclor 1268 (4)	9.818	451770	14.297 ng/ml
61) Aroclor 1268 (5)	10.121	5392019	433.420 ng/ml
62) Aroclor 1268 (6)	10.497	1657582	20.179 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

498.856

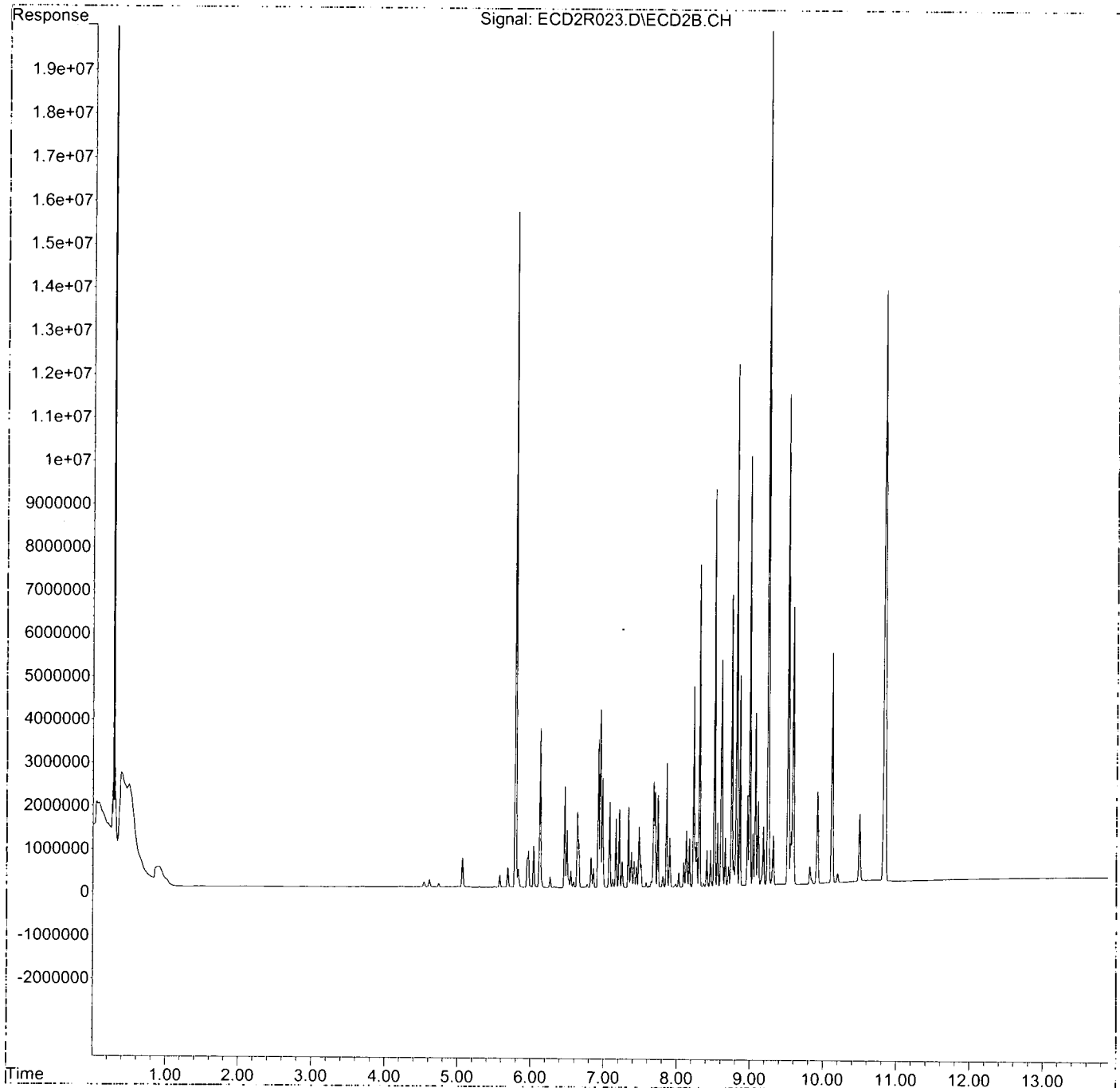
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 27 Apr 2020 00:01
Operator : MJB / KAK
Sample : 0D26013-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:14:58 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um.



Data Path : K:\DATA\0D26013\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 27 Apr 2020 00:18
 Operator : MJB / KAK
 Sample : 0D26013-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:15:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 1242, 1268

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.789	16462317	42.951 ng/ml
64) S DCBP (S)	10.833	6777659	37.877 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.460	4576542	399.954 ng/ml
3) Aroclor 1016 (2)	6.947	8037747	394.041 ng/ml
4) Aroclor 1016 (3)	7.074	3881953	405.945 ng/ml
5) Aroclor 1016 (4)	7.161	3152807	346.862 ng/ml
6) Aroclor 1016 (5)	7.207	3727650	368.895 ng/ml
7) Aroclor 1016 (6)	7.332	3824838	383.846 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.964	306807	105.305 ng/ml
10) Aroclor 1221 (2)	6.036	593863	214.625 ng/ml
11) Aroclor 1221 (3)	6.123	2830566	303.273 ng/ml
12) Aroclor 1221 (4)	6.633	2645846	1294.304 ng/ml
13) Aroclor 1221 (5)	6.947	8037747	5411.803 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.123	2830566	380.291 ng/ml
16) Aroclor 1232 (2)	6.460	4576542	1036.545 ng/ml
17) Aroclor 1232 (3)	6.947	8037747	980.084 ng/ml
18) Aroclor 1232 (4)	7.161	3152807	1047.080 ng/ml
19) Aroclor 1232 (5)	7.207	3727650	1051.399 ng/ml
20) Aroclor 1232 (6)	7.332	3824838	1091.035 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.460	4576542	550.649 ng/ml
23) Aroclor 1242 (2)	6.947	8037747	530.705 ng/ml
24) Aroclor 1242 (3)	7.074	3881953	558.852 ng/ml
25) Aroclor 1242 (4)	7.161	3152807	504.849 ng/ml
26) Aroclor 1242 (5)	7.207	3727650	507.660 ng/ml
27) Aroclor 1242 (6)	7.332	3824838	516.025 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.947	8037747	890.385 ng/ml
30) Aroclor 1248 (2)	7.161	3152807	268.594 ng/ml
31) Aroclor 1248 (3)	7.207	3727650	360.849 ng/ml
32) Aroclor 1248 (4)	7.332	3824838	295.049 ng/ml
33) Aroclor 1248 (5)	7.696	4505997	293.820 ng/ml
34) Aroclor 1248 (6)	7.854	3325189	245.279 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.679	3147221	195.902 ng/ml
37) Aroclor 1254 (2)	7.854	3325189	129.935 ng/ml
38) Aroclor 1254 (3)	8.168	1272850	46.375 ng/ml
39) Aroclor 1254 (4)	8.405	908931	45.288 ng/ml
40) Aroclor 1254 (5)	8.745	234285	12.060 ng/ml
41) Aroclor 1254 (6)	8.961	213935	37.965 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	107828	5.637 ng/ml
44) Aroclor 1260 (2)	8.506	189967	8.168 ng/ml

Handwritten: 528.123

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 27 Apr 2020 00:18
 Operator : MJB / KAK
 Sample : 0D26013-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:15:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.745	234285	9.971 ng/ml
46) Aroclor 1260 (4)	9.242	2393042	65.655 ng/ml
47) Aroclor 1260 (5)	9.520	23071391	1118.637 ng/ml
48) Aroclor 1260 (6)	10.118	6257564	783.360 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.506	189967	10.476 ng/ml
51) Aroclor 1262 (2)	8.813	4882072	196.201 ng/ml
52) Aroclor 1262 (3)	8.993	345862	17.473 ng/ml
53) Aroclor 1262 (4)	9.242	2393042	59.172 ng/ml
54) Aroclor 1262 (5)	9.520	23071391	959.855 ng/ml
55) Aroclor 1262 (6)	10.118	6257564	589.085 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.037	5182452	477.277 ng/ml
58) Aroclor 1268 (2)	9.520	23071391	495.756 ng/ml
59) Aroclor 1268 (3)	9.589	18412262	514.842 ng/ml
60) Aroclor 1268 (4)	9.818	15164413	479.913 ng/ml
61) Aroclor 1268 (5)	10.118	6257564	502.994 ng/ml
62) Aroclor 1268 (6)	10.498	42774598	520.719 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

498.584

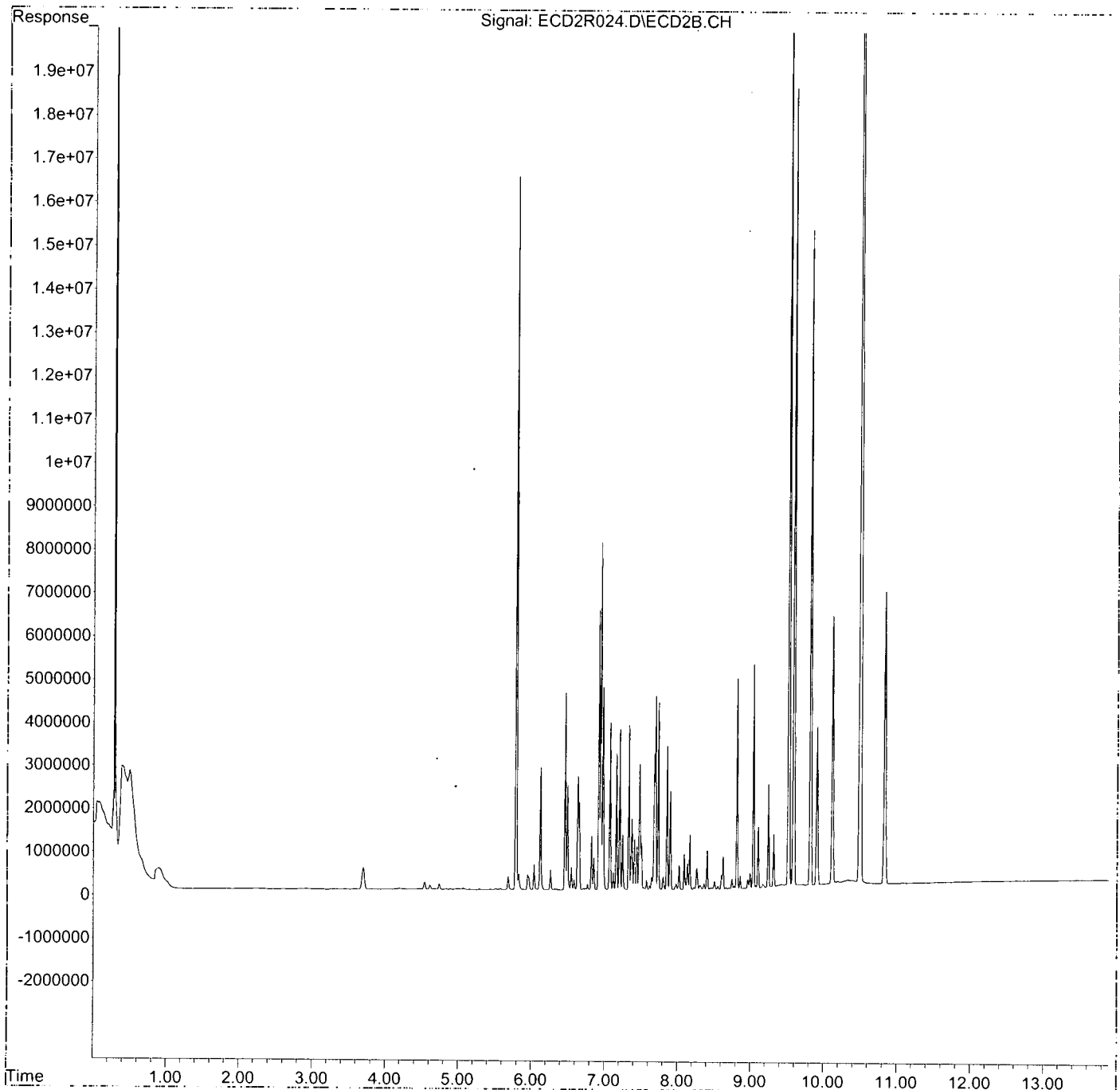
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R024.D
Signal(s) : ECD2B.CH
Acq On : 27 Apr 2020 00:18
Operator : MJB / KAK
Sample : 0D26013-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:15:20 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 27 Apr 2020 00:36
 Operator : MJB / KAK
 Sample : 0D26013-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:15:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 4/27/20
 1248

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.789	12084	0.032 ng/ml
64) S DCBP (S)	10.842	70460	0.394 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.460	2260505	197.550 ng/ml
3) Aroclor 1016 (2)	6.947	4340709	212.798 ng/ml
4) Aroclor 1016 (3)	7.073	2177686	227.726 ng/ml
5) Aroclor 1016 (4)	7.162	5691302	626.139 ng/ml
6) Aroclor 1016 (5)	7.207	5841848	578.120 ng/ml
7) Aroclor 1016 (6)	7.333	6335211	635.777 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.964	37984	13.037 ng/ml
10) Aroclor 1221 (2)	6.038	63090	22.801 ng/ml
11) Aroclor 1221 (3)	6.124	336410	36.044 ng/ml
12) Aroclor 1221 (4)	6.634	904625	442.528 ng/ml
13) Aroclor 1221 (5)	6.947	4340709	2922.593 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.124	336410	45.197 ng/ml
16) Aroclor 1232 (2)	6.460	2260505	511.984 ng/ml
17) Aroclor 1232 (3)	6.947	4340709	529.285 ng/ml
18) Aroclor 1232 (4)	7.162	5691302	1890.140 ng/ml
19) Aroclor 1232 (5)	7.207	5841848	1647.717 ng/ml
20) Aroclor 1232 (6)	7.333	6335211	1807.119 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.460	2260505	271.984 ng/ml
23) Aroclor 1242 (2)	6.947	4340709	286.602 ng/ml
24) Aroclor 1242 (3)	7.073	2177686	313.503 ng/ml
25) Aroclor 1242 (4)	7.162	5691302	911.329 ng/ml
26) Aroclor 1242 (5)	7.207	5841848	795.587 ng/ml
27) Aroclor 1242 (6)	7.333	6335211	854.710 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.947	4340709	480.844 ng/ml
30) Aroclor 1248 (2)	7.162	5691302	484.853 ng/ml
31) Aroclor 1248 (3)	7.207	5841848	565.510 ng/ml
32) Aroclor 1248 (4)	7.333	6335211	488.699 ng/ml
33) Aroclor 1248 (5)	7.697	8662643	564.860 ng/ml
34) Aroclor 1248 (6)	7.855	7229286	533.261 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.679	5925873	368.862 ng/ml
37) Aroclor 1254 (2)	7.855	7229286	282.491 ng/ml
38) Aroclor 1254 (3)	8.168	4046485	147.430 ng/ml
39) Aroclor 1254 (4)	8.406	2922549	145.619 ng/ml
40) Aroclor 1254 (5)	8.742	631209	32.491 ng/ml
41) Aroclor 1254 (6)	8.973	221930	39.383 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	341430	17.850 ng/ml
44) Aroclor 1260 (2)	8.507	450035	19.351 ng/ml

Handwritten: 519.671

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 27 Apr 2020 00:36
 Operator : MJB / KAK
 Sample : 0D26013-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:15:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.742	631209	26.864 ng/ml
46) Aroclor 1260 (4)	9.242	116594	3.199 ng/ml
47) Aroclor 1260 (5)	9.517	86494	4.194 ng/ml
48) Aroclor 1260 (6)	10.120	56780	7.108 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.507	450035	24.817 ng/ml
51) Aroclor 1262 (2)	8.813	43742	1.758 ng/ml
52) Aroclor 1262 (3)	8.973	221930	11.212 ng/ml
53) Aroclor 1262 (4)	9.242	116594	2.883 ng/ml
54) Aroclor 1262 (5)	9.517	86494	3.598 ng/ml
55) Aroclor 1262 (6)	10.120	56780	5.345 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	9.042	8793	0.810 ng/ml
58) Aroclor 1268 (2)	9.517	86494	1.859 ng/ml
59) Aroclor 1268 (3)	9.587	38012	1.063 ng/ml
60) Aroclor 1268 (4)	9.824	29456	0.932 ng/ml
61) Aroclor 1268 (5)	10.120	56780	4.564 ng/ml
62) Aroclor 1268 (6)	10.498	61947	0.754 ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

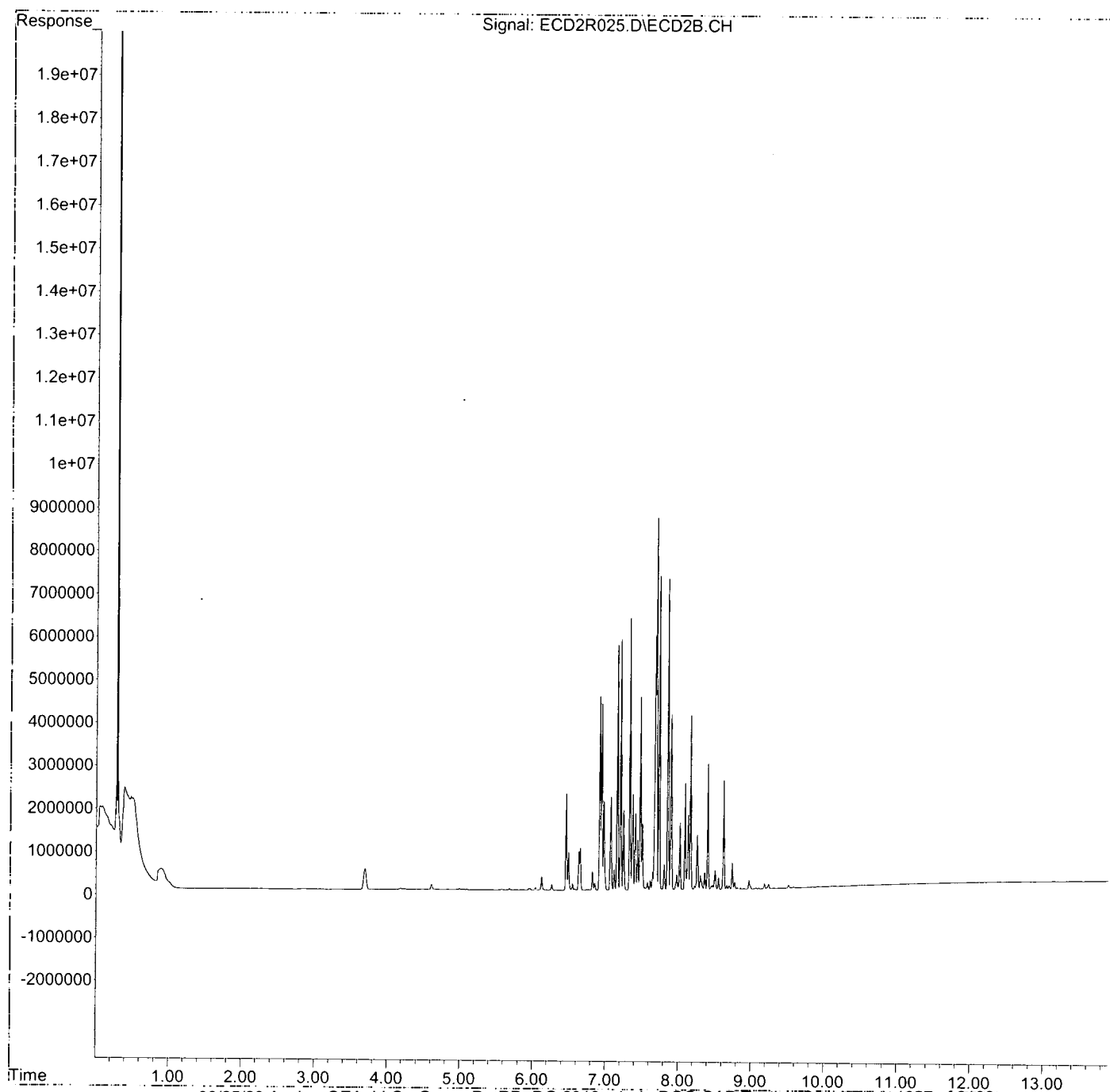
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 27 Apr 2020 00:36
Operator : MJB / KAK
Sample : 0D26013-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:15:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:03
 Operator : MJB / KAK
 Sample : 0D26013-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:56:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.788	4082052	10.650 ng/ml
64) S DCBP (S)	10.835	1694811	9.471 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.460	273693	23.919 ng/ml
3) Aroclor 1016 (2)	6.948	436420	21.395 ng/ml
4) Aroclor 1016 (3)	7.075	220537	23.062 ng/ml
5) Aroclor 1016 (4)	7.162	220163	24.222 ng/ml ✓
6) Aroclor 1016 (5)	7.208	240416	23.792 ng/ml
7) Aroclor 1016 (6)	7.334	229462	23.028 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	413848	21.636 ng/ml
44) Aroclor 1260 (2)	8.511	491575	21.137 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:03
 Operator : MJB / KAK
 Sample : 0D26013-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:56:47 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.743	483114	20.561	ng/ml
46) Aroclor 1260 (4)	9.242	702257	19.267	ng/ml
47) Aroclor 1260 (5)	9.518	408172	19.791	ng/ml
48) Aroclor 1260 (6)	10.119	160002	20.030	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

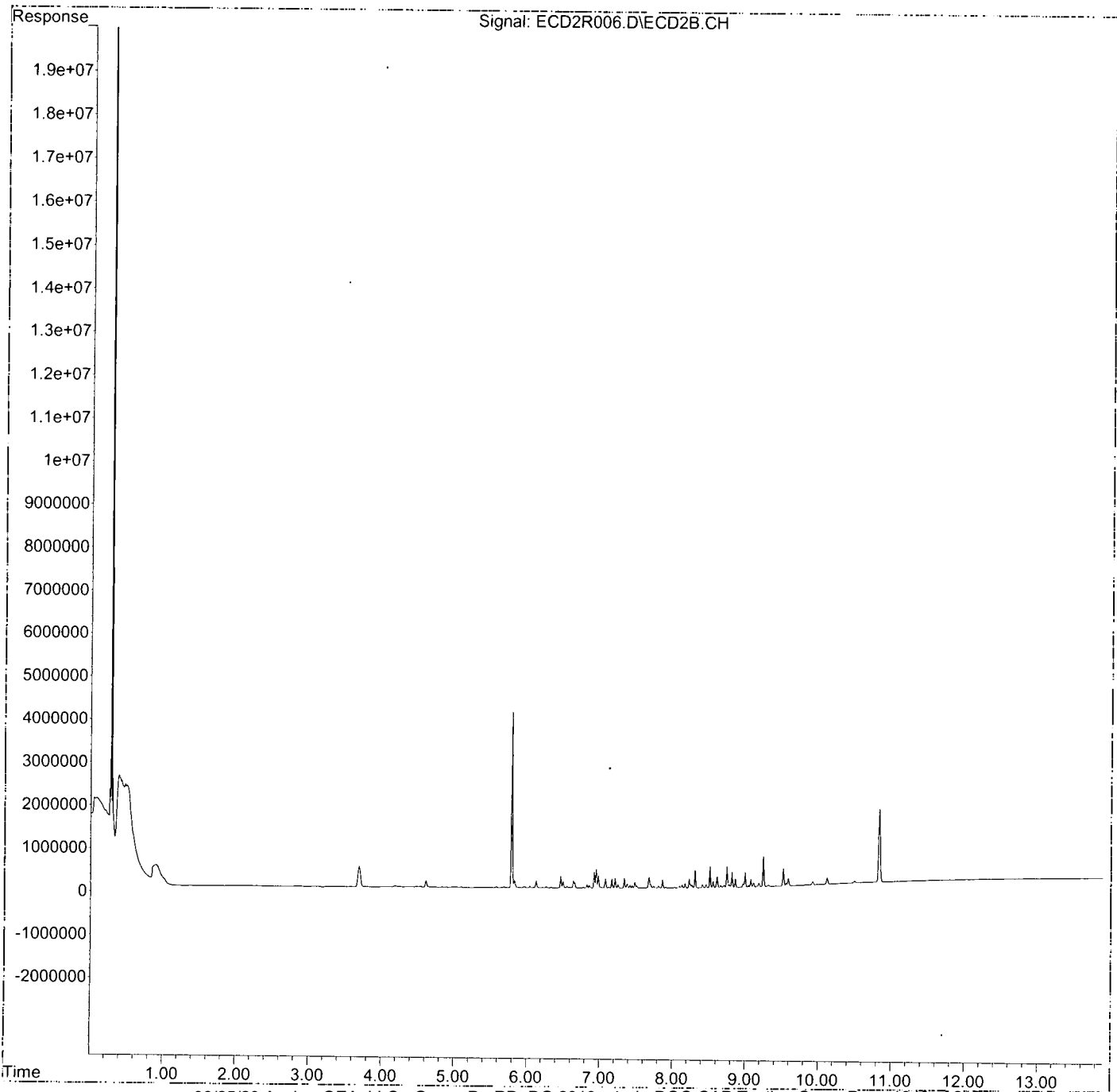
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:03
Operator : MJB / KAK
Sample : 0D26013-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 12:56:47 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:20
 Operator : MJB / KAK
 Sample : 0D26013-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:57:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.789	10174070	26.545 ng/ml
64) S DCBP (S)	10.836	4242576	23.710 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.461	626336	54.737 ng/ml
3) Aroclor 1016 (2)	6.949	1068128	52.364 ng/ml
4) Aroclor 1016 (3)	7.075	513559	53.704 ng/ml
5) Aroclor 1016 (4)	7.163	498186	54.809 ng/ml
6) Aroclor 1016 (5)	7.208	545701	54.004 ng/ml
7) Aroclor 1016 (6)	7.333	534004	53.590 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	1001878	52.379 ng/ml
44) Aroclor 1260 (2)	8.510	1190123	51.175 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:20
 Operator : MJB / KAK
 Sample : 0D26013-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:57:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.743	1214934	51.707 ng/ml
46) Aroclor 1260 (4)	9.243	1848924	50.727 ng/ml
47) Aroclor 1260 (5)	9.518	1049480	50.885 ng/ml
48) Aroclor 1260 (6)	10.120	405203	50.726 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

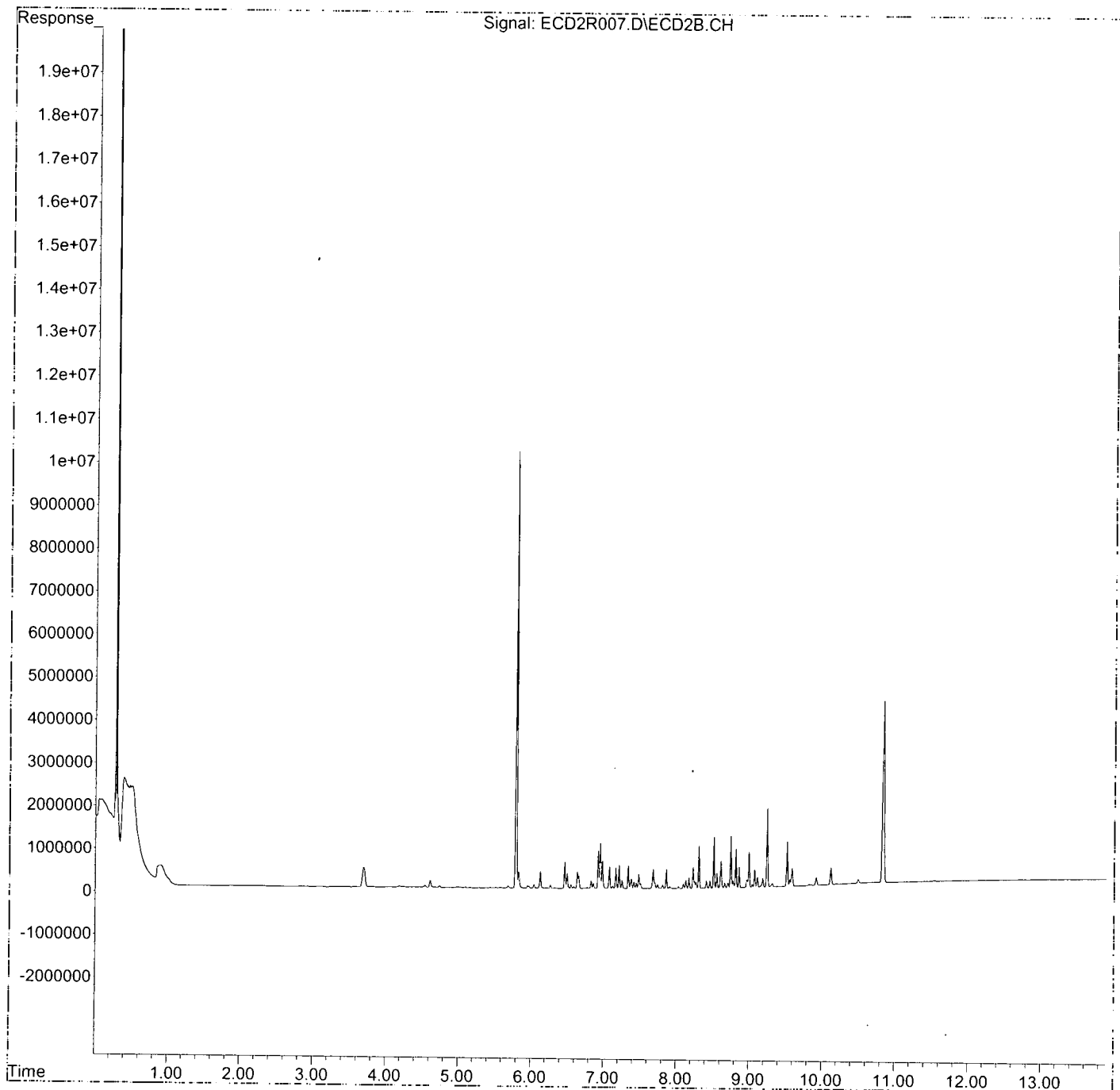
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:20
Operator : MJB / KAK
Sample : 0D26013-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 12:57:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:38
 Operator : MJB / KAK
 Sample : 0D26013-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:58:39 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.790	20143649	52.556 ng/ml ✓
64) S DCBP (S)	10.836	8402607	46.958 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.461	1179729	103.099 ng/ml
3) Aroclor 1016 (2)	6.949	2081097	102.023 ng/ml
4) Aroclor 1016 (3)	7.076	950064	99.350 ng/ml
5) Aroclor 1016 (4)	7.163	923527	101.603 ng/ml ✓
6) Aroclor 1016 (5)	7.208	1035297	102.455 ng/ml
7) Aroclor 1016 (6)	7.334	977086	98.057 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	1852249	96.836 ng/ml ✓
44) Aroclor 1260 (2)	8.511	2273391	97.755 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:38
 Operator : MJB / KAK
 Sample : 0D26013-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:58:39 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.744	2357411	100.331 ng/ml
46) Aroclor 1260 (4)	9.243	3531407	96.887 ng/ml
47) Aroclor 1260 (5)	9.518	2008298	97.374 ng/ml
48) Aroclor 1260 (6)	10.120	807640	101.105 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

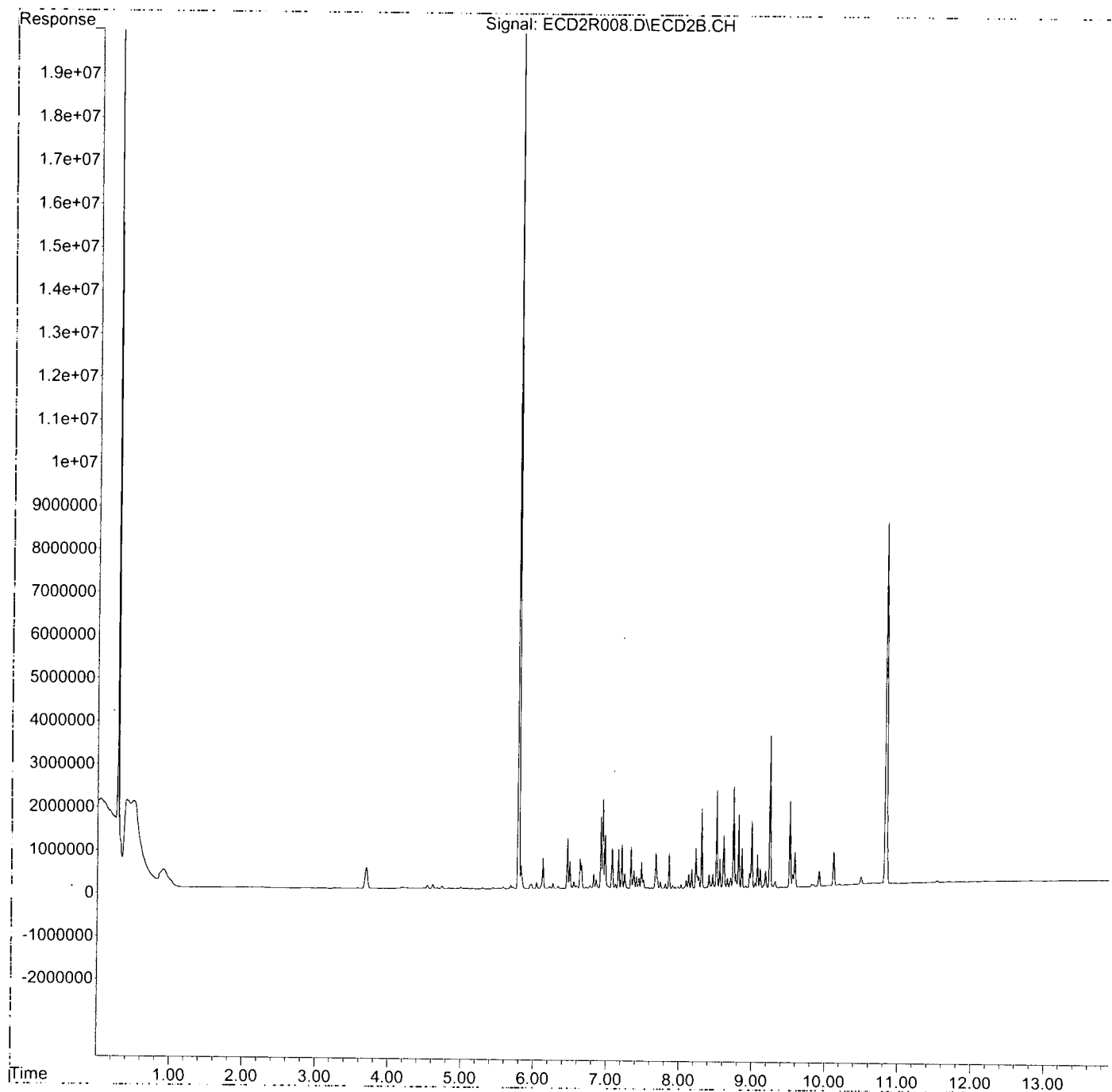
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:38
Operator : MJB / KAK
Sample : 0D26013-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 12:58:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:55
 Operator : MJB / KAK
 Sample : 0D26013-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:59:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.789	41904714	109.331 ng/ml ✓
64) S DCBP (S)	10.835	17136875	95.769 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.460	2248205	196.476 ng/ml
3) Aroclor 1016 (2)	6.948	4090553	200.535 ng/ml
4) Aroclor 1016 (3)	7.075	1898596	198.540 ng/ml
5) Aroclor 1016 (4)	7.162	1800825	198.121 ng/ml ✓
6) Aroclor 1016 (5)	7.207	1960937	194.058 ng/ml
7) Aroclor 1016 (6)	7.333	1993317	200.041 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	3863355	201.978 ng/ml ✓
44) Aroclor 1260 (2)	8.510	4682576	201.348 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:55
 Operator : MJB / KAK
 Sample : 0D26013-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 12:59:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.743	4666457	198.603	ng/ml
46) Aroclor 1260 (4)	9.243	7092137	194.579	ng/ml
47) Aroclor 1260 (5)	9.517	4034614	195.622	ng/ml
48) Aroclor 1260 (6)	10.120	1622349	203.096	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

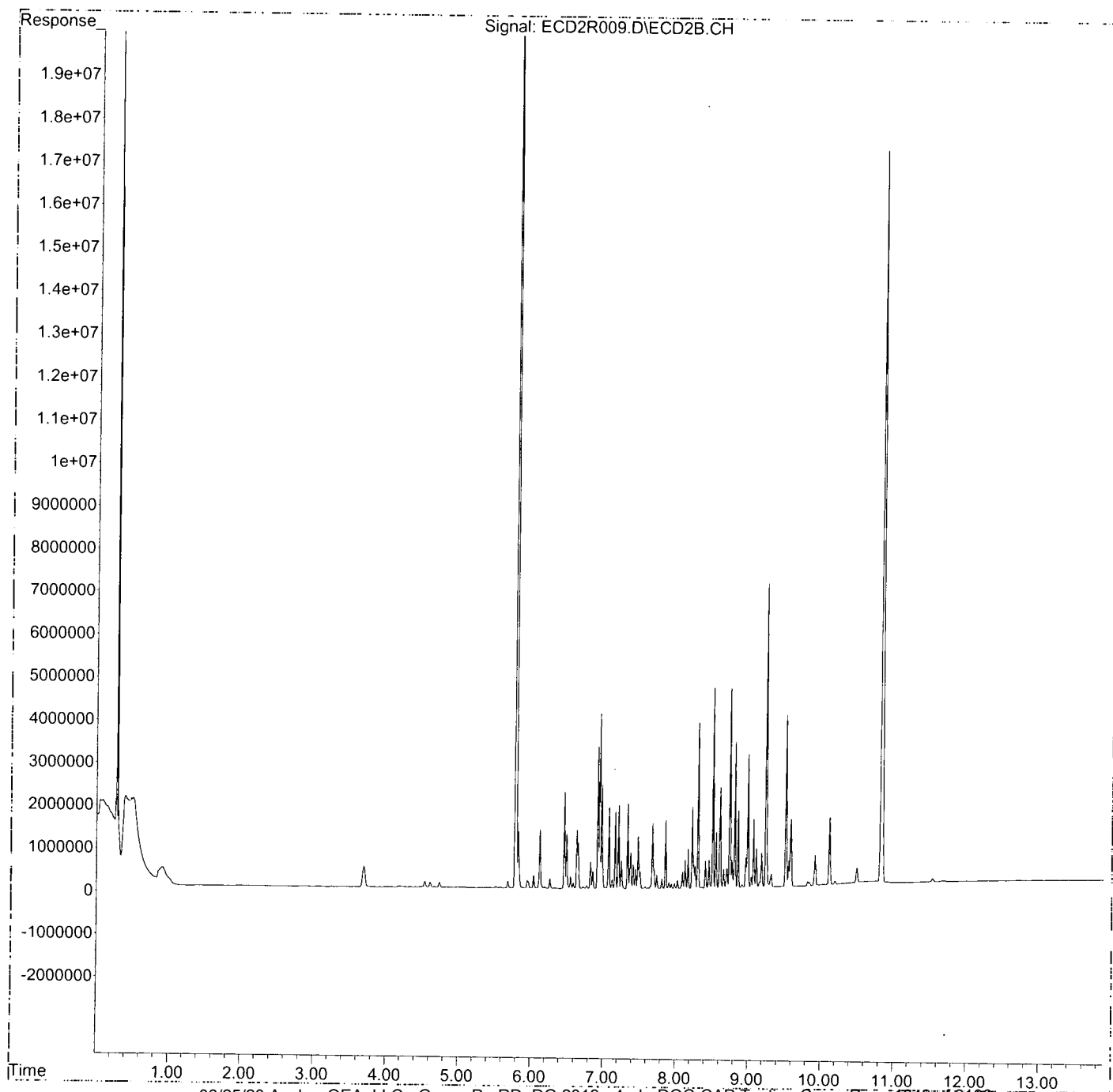
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:55
Operator : MJB / KAK
Sample : 0D26013-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 12:59:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:13
 Operator : MJB / KAK
 Sample : 0D26013-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:02:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.791	97344690	253.977 ng/ml ✓
64) S DCBP (S)	10.835	41791948	233.554 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.461	5327493	465.581 ng/ml
3) Aroclor 1016 (2)	6.948	9698795	475.472 ng/ml
4) Aroclor 1016 (3)	7.075	4528038	473.507 ng/ml
5) Aroclor 1016 (4)	7.162	4178815	459.740 ng/ml ✓
6) Aroclor 1016 (5)	7.208	4702756	465.394 ng/ml
7) Aroclor 1016 (6)	7.333	4728111	474.495 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	9116360	476.607 ng/ml ✓
44) Aroclor 1260 (2)	8.511	11456862	492.639 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:13
 Operator : MJB / KAK
 Sample : 0D26013-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:02:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.743	11245192	478.591 ng/ml
46) Aroclor 1260 (4)	9.243	17882816	490.631 ng/ml
47) Aroclor 1260 (5)	9.518	10372093	502.900 ng/ml
48) Aroclor 1260 (6)	10.119	3880517	485.787 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

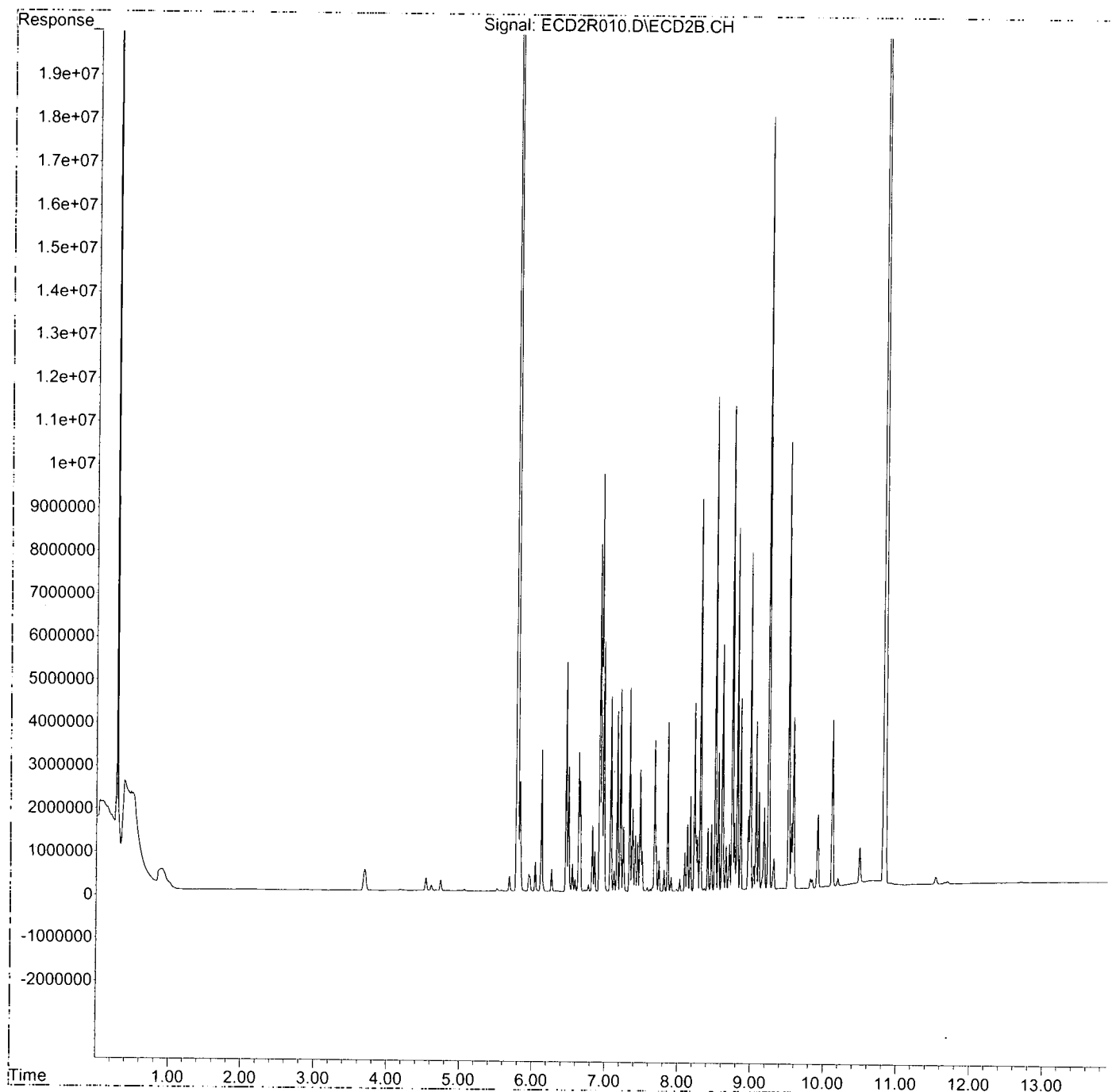
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 20:13
Operator : MJB / KAK
Sample : 0D26013-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:02:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:30
 Operator : MJB / KAK
 Sample : 0D26013-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:03:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.794	202017678	527.074 ng/ml ✓
64) S DCBP (S)	10.839	99154225	554.123 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.461	9966342	870.980 ng/ml
3) Aroclor 1016 (2)	6.949	19092373	935.981 ng/ml
4) Aroclor 1016 (3)	7.076	8572321	896.427 ng/ml
5) Aroclor 1016 (4)	7.162	7862715	865.030 ng/ml
6) Aroclor 1016 (5)	7.208	9071307	897.714 ng/ml
7) Aroclor 1016 (6)	7.333	9123133	915.562 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	18299796	956.720 ng/ml
44) Aroclor 1260 (2)	8.511	22109725	950.707 ng/ml ✓

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:30
 Operator : MJB / KAK
 Sample : 0D26013-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:03:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.745	22907917	974.953	ng/ml
46) Aroclor 1260 (4)	9.244	36733538	1007.818	ng/ml
47) Aroclor 1260 (5)	9.519	19700831	955.213	ng/ml
48) Aroclor 1260 (6)	10.120	7744401	969.492	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

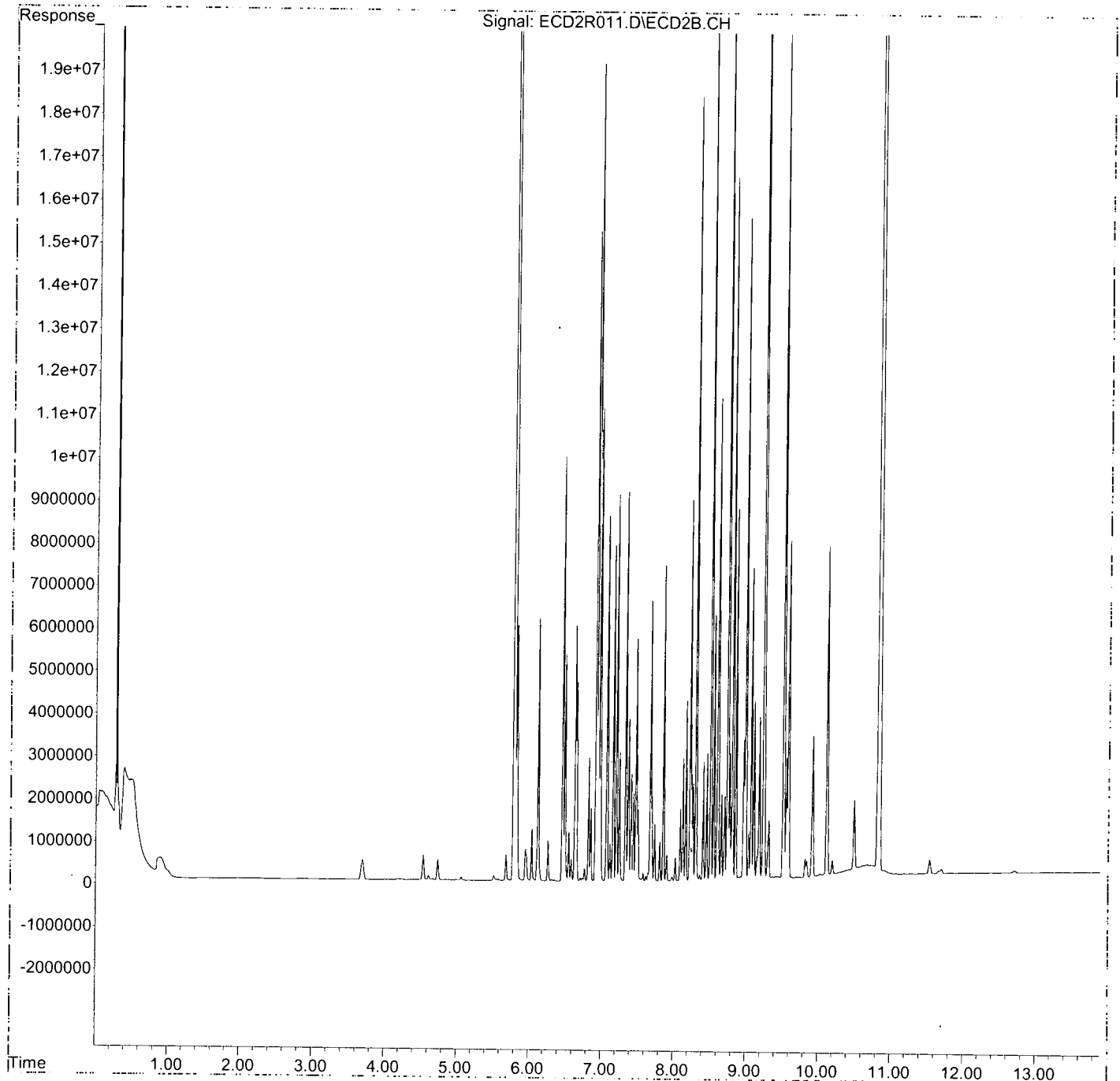
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 20:30
Operator : MJB / KAK
Sample : 0D26013-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:03:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:48
 Operator : MJB / KAK
 Sample : 0D26013-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:04:26 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.799	201974946	526.962	ng/ml
64) S DCBP (S)	10.839	166792959	932.122	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.461	15341485	1340.726	ng/ml
3) Aroclor 1016 (2)	6.949	29775662	1459.717	ng/ml
4) Aroclor 1016 (3)	7.075	13528981	1414.756	ng/ml
5) Aroclor 1016 (4)	7.163	12292568	1352.388	ng/ml
6) Aroclor 1016 (5)	7.208	13747480	1360.476	ng/ml
7) Aroclor 1016 (6)	7.333	13922541	1397.211	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	8.306	28187614	1473.659	ng/ml
44) Aroclor 1260 (2)	8.511	34861693	1499.035	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\Requant\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:48
 Operator : MJB / KAK
 Sample : 0D26013-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 13:04:26 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:19:16 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	8.744	35573976	1514.016	ng/ml
46) Aroclor 1260 (4)	9.243	59662293	1636.889	ng/ml
47) Aroclor 1260 (5)	9.518	33408870	1619.860	ng/ml
48) Aroclor 1260 (6)	10.120	12178485	1524.578	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

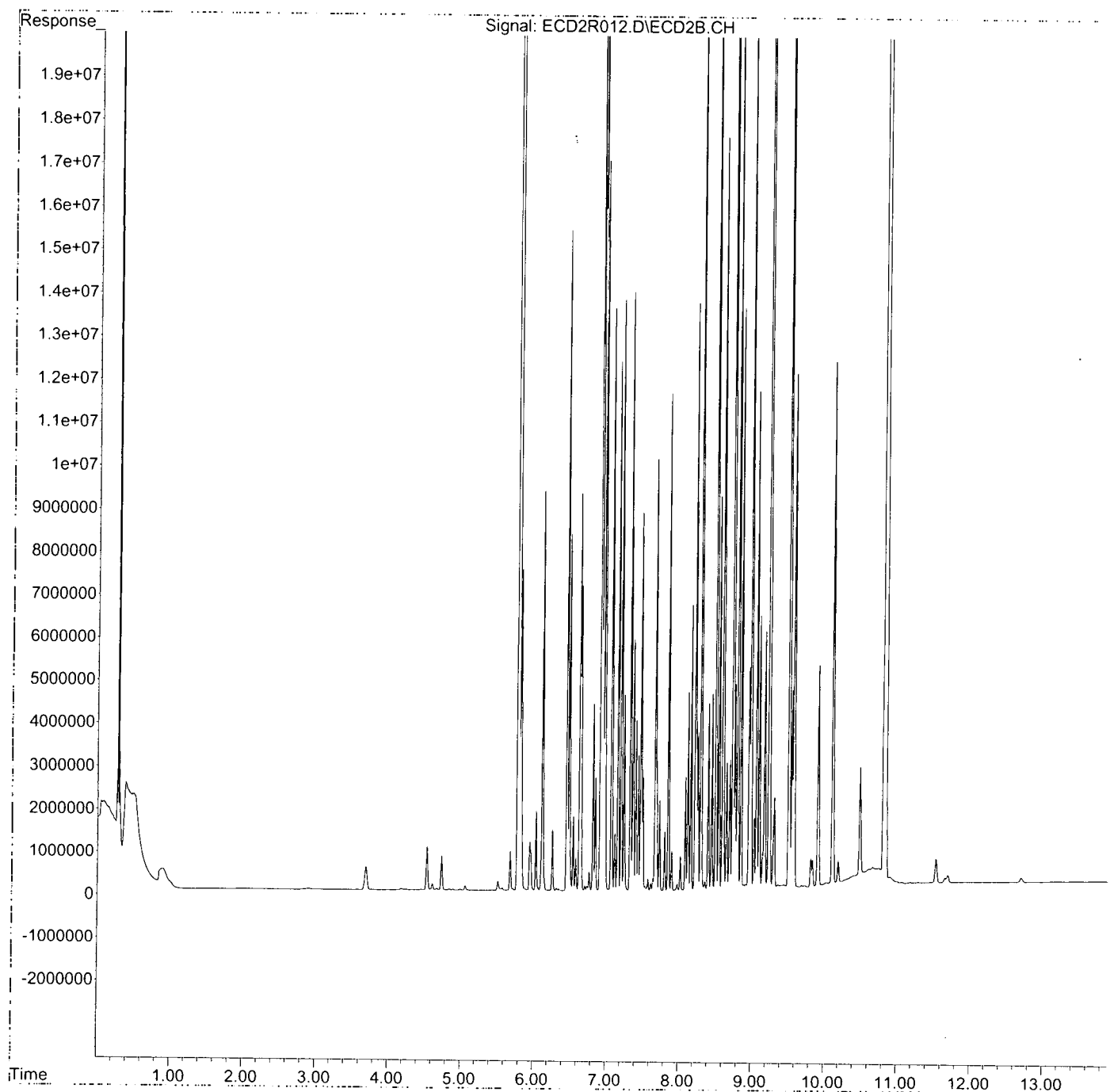
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\Requant\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 20:48
Operator : MJB / KAK
Sample : 0D26013-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 13:04:26 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:19:16 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Hexane	E2A21015	1	Sample		
2	Vial 100	Conditioning run	E2A21015	1	Sample		
3	Vial 1	Hexane	E2A21015	1	Sample		
4	Vial 2	0D26012-ICB1	E2A21015	1	Sample		
5	Vial 3	0D26012-CAL1	E2A21015	1	Sample		
6	Vial 4	0D26012-CAL2	E2A21015	1	Sample		
7	Vial 5	0D26012-CAL3	E2A21015	1	Sample		
8	Vial 6	0D26012-CAL4	E2A21015	1	Sample		
9	Vial 7	0D26012-CAL5	E2A21015	1	Sample		
10	Vial 8	0D26012-CAL6	E2A21015	1	Sample		
11	Vial 9	0D26012-CAL7	E2A21015	1	Sample		
12	Vial 1	0D26012-IBL1	E2A21015	1	Sample		
13	Vial 10	0D26012-ICV1	E2A21015	1	Sample		
14	Vial 11	0D26012-CAL8	E2A21015	1	Sample		
15	Vial 12	0D26012-CAL9	E2A21015	1	Sample		
16	Vial 13	0D26012-CALA	E2A21015	1	Sample		
17	Vial 14	0D26012-CALB	E2A21015	1	Sample		
18	Vial 15	0D26012-CALC	E2A21015	1	Sample		
19	Vial 16	0D26012-CALD	E2A21015	1	Sample		
20	Vial 17	0D26012-CALE	E2A21015	1	Sample		
21	Vial 18	0D26012-ICV2	E2A21015	1	Sample		
22	Vial 19	0D26012-ICV3	E2A21015	1	Sample		
23	Vial 20	0D26012-ICV4	E2A21015	1	Sample		
24	Vial 21	0D26012-ICV5	E2A21015	1	Sample		
25	Vial 1	Hexane	E2A21015	1	Sample		

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 51	Hexane	E2A21015	1	Sample		
3	Vial 100	Conditioning run	E2A21015	1	Sample		
4	Vial 51	Hexane	E2A21015	1	Sample		
5	Vial 2	0D26013-ICB1	E2A21015	1	Sample		
6	Vial 3	0D26013-CAL1	E2A21015	1	Sample		
7	Vial 4	0D26013-CAL2	E2A21015	1	Sample		
8	Vial 5	0D26013-CAL3	E2A21015	1	Sample		
9	Vial 6	0D26013-CAL4	E2A21015	1	Sample		
10	Vial 7	0D26013-CAL5	E2A21015	1	Sample		
11	Vial 8	0D26013-CAL6	E2A21015	1	Sample		
12	Vial 9	0D26013-CAL7	E2A21015	1	Sample		
13	Vial 51	0D26013-IBL1	E2A21015	1	Sample		
14	Vial 10	0D26013-ICV1	E2A21015	1	Sample		
15	Vial 11	0D26013-CAL8	E2A21015	1	Sample		
16	Vial 12	0D26013-CAL9	E2A21015	1	Sample		
17	Vial 13	0D26013-CALA	E2A21015	1	Sample		
18	Vial 14	0D26013-CALB	E2A21015	1	Sample		
19	Vial 15	0D26013-CALC	E2A21015	1	Sample		
20	Vial 16	0D26013-CALD	E2A21015	1	Sample		
21	Vial 17	0D26013-CALE	E2A21015	1	Sample		
22	Vial 18	0D26013-ICV2	E2A21015	1	Sample		
23	Vial 19	0D26013-ICV3	E2A21015	1	Sample		
24	Vial 20	0D26013-ICV4	E2A21015	1	Sample		
25	Vial 21	0D26013-ICV5	E2A21015	1	Sample		

4/26/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:03
 Operator : MJB / KAK
 Sample : 0D26013-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:42:17 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.788	4082052	13.778 ng/ml
64) S DCBP (S)	10.835	1694811	10.151 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.460	273693	28.673 ng/ml
3) Aroclor 1016 (2)	6.948	436420	26.127 ng/ml
4) Aroclor 1016 (3)	7.075	220537	28.536 ng/ml
5) Aroclor 1016 (4)	7.162	220163	27.441 ng/ml
6) Aroclor 1016 (5)	7.208	240416	27.685 ng/ml
7) Aroclor 1016 (6)	7.334	229462	26.111 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	413848	24.805 ng/ml
44) Aroclor 1260 (2)	8.511	491575	23.728 ng/ml

[Handwritten signature]
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:03
 Operator : MJB / KAK
 Sample : 0D26013-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:42:17 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.743	483114	23.212 ng/ml
46) Aroclor 1260 (4)	9.242	702257	20.685 ng/ml
47) Aroclor 1260 (5)	9.518	408172	20.623 ng/ml
48) Aroclor 1260 (6)	10.119	160002	20.555 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

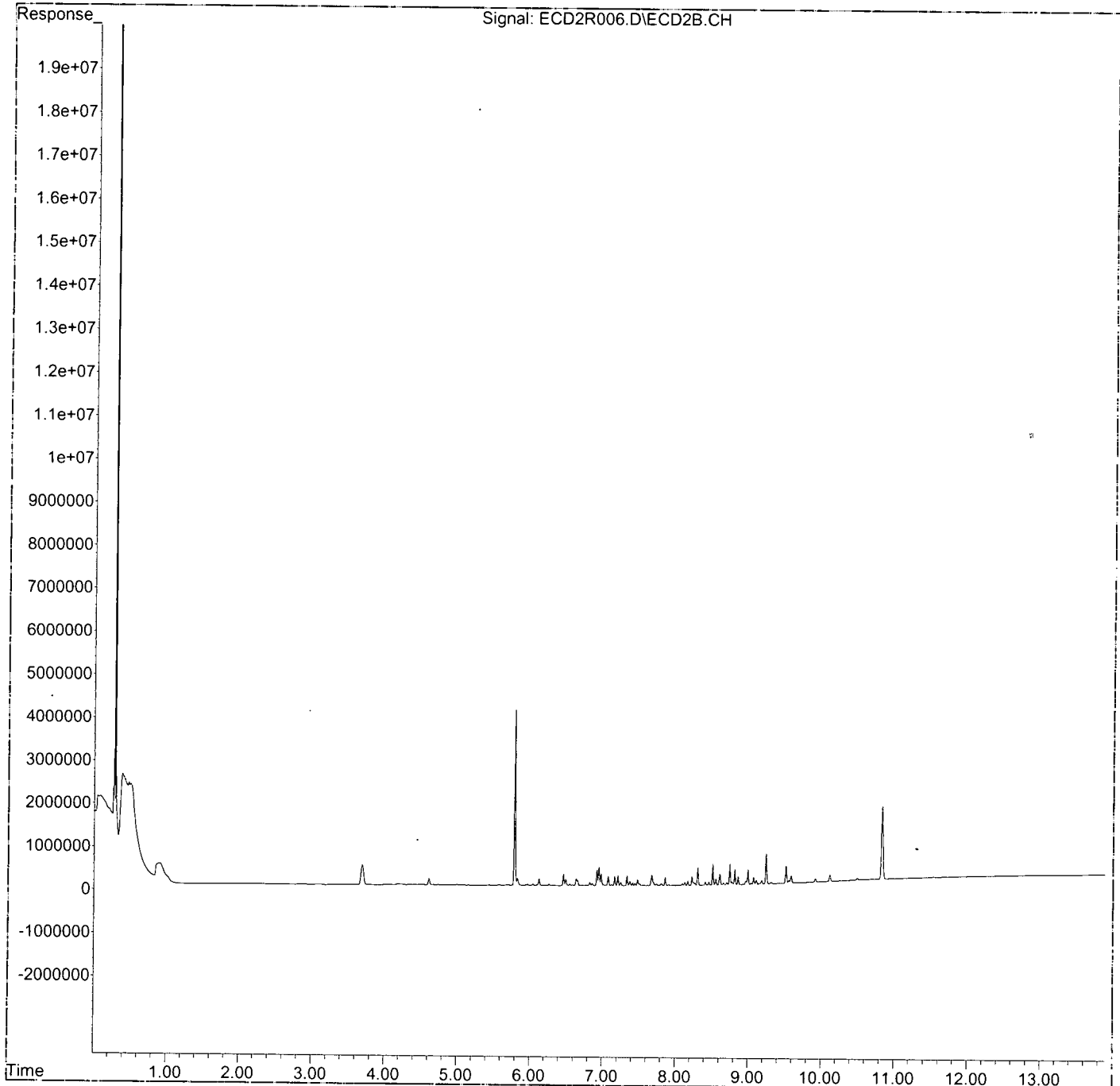
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:03
Operator : MJB / KAK
Sample : 0D26013-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:42:17 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:20
 Operator : MJB / KAK
 Sample : 0D26013-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:43:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.789	10174070	34.341 ng/ml
64) S DCBP (S)	10.836	4242576	25.410 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.461	626336	65.616 ng/ml
3) Aroclor 1016 (2)	6.949	1068128	63.944 ng/ml
4) Aroclor 1016 (3)	7.075	513559	66.451 ng/ml
5) Aroclor 1016 (4)	7.163	498186	62.093 ng/ml
6) Aroclor 1016 (5)	7.208	545701	67.840 ng/ml
7) Aroclor 1016 (6)	7.333	534004	60.766 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	1001878	60.049 ng/ml
44) Aroclor 1260 (2)	8.510	1190123	57.447 ng/ml

Handwritten signature
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:20
 Operator : MJB / KAK
 Sample : 0D26013-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:43:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.743	1214934	58.373 ng/ml
46) Aroclor 1260 (4)	9.243	1848924	54.480 ng/ml
47) Aroclor 1260 (5)	9.518	1049480	53.026 ng/ml
48) Aroclor 1260 (6)	10.120	405203	52.055 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

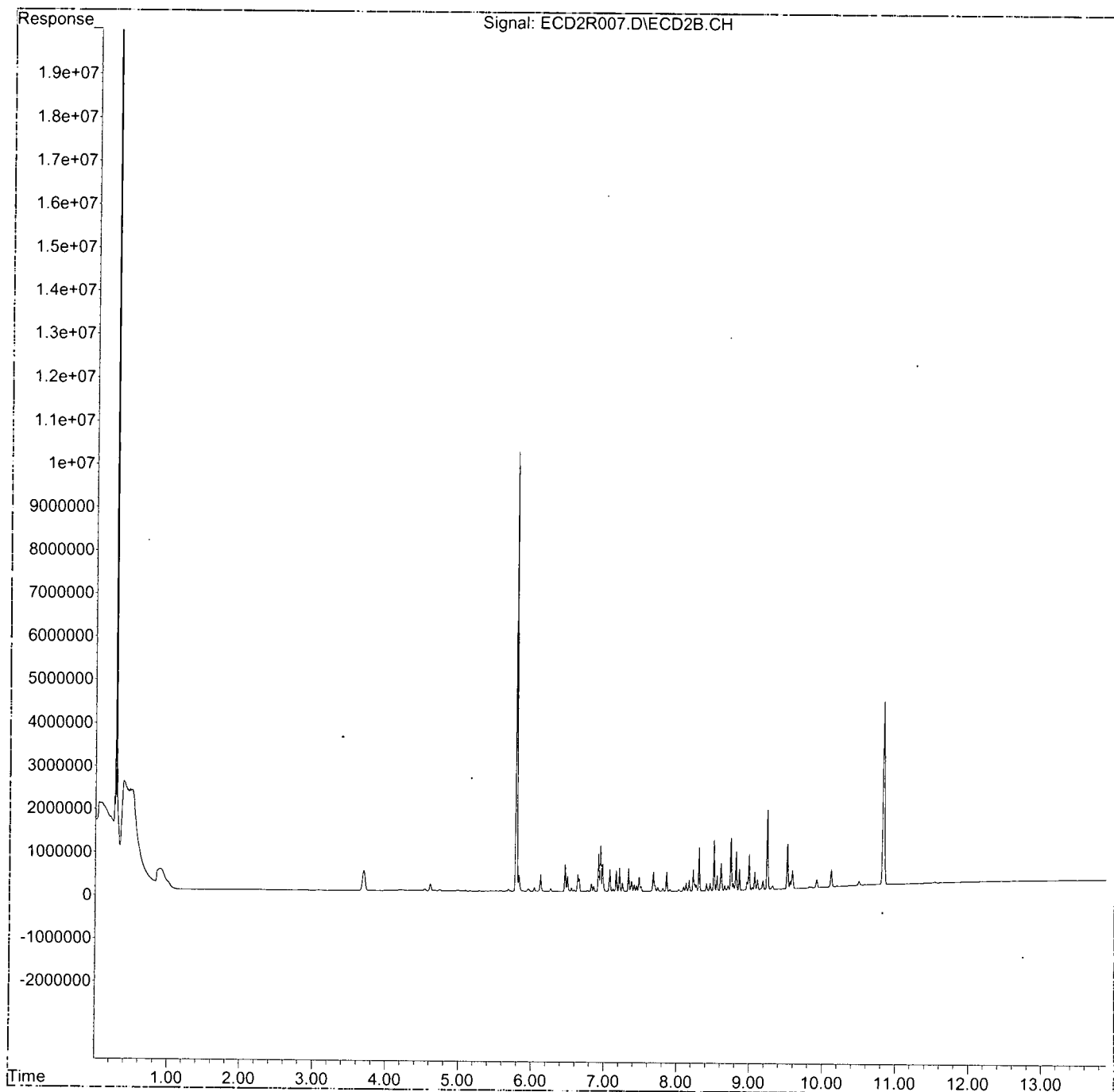
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:20
Operator : MJB / KAK
Sample : 0D26013-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:43:43 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:38
 Operator : MJB / KAK
 Sample : 0D26013-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:45:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 A127120

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.790	20143649	67.991 ng/ml
64) S DCBP (S)	10.836	8402607	50.325 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.461	1179729	123.591 ng/ml
3) Aroclor 1016 (2)	6.949	2081097	124.586 ng/ml
4) Aroclor 1016 (3)	7.076	950064	122.931 ng/ml
5) Aroclor 1016 (4)	7.163	923527	115.106 ng/ml
6) Aroclor 1016 (5)	7.208	1035297	119.219 ng/ml
7) Aroclor 1016 (6)	7.334	977086	111.186 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	1852249	111.017 ng/ml
44) Aroclor 1260 (2)	8.511	2273391	109.737 ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:38
 Operator : MJB / KAK
 Sample : 0D26013-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:45:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.744	2357411	113.264 ng/ml
46) Aroclor 1260 (4)	9.243	3531407	104.018 ng/ml
47) Aroclor 1260 (5)	9.518	2008298	101.471 ng/ml
48) Aroclor 1260 (6)	10.120	807640	103.756 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

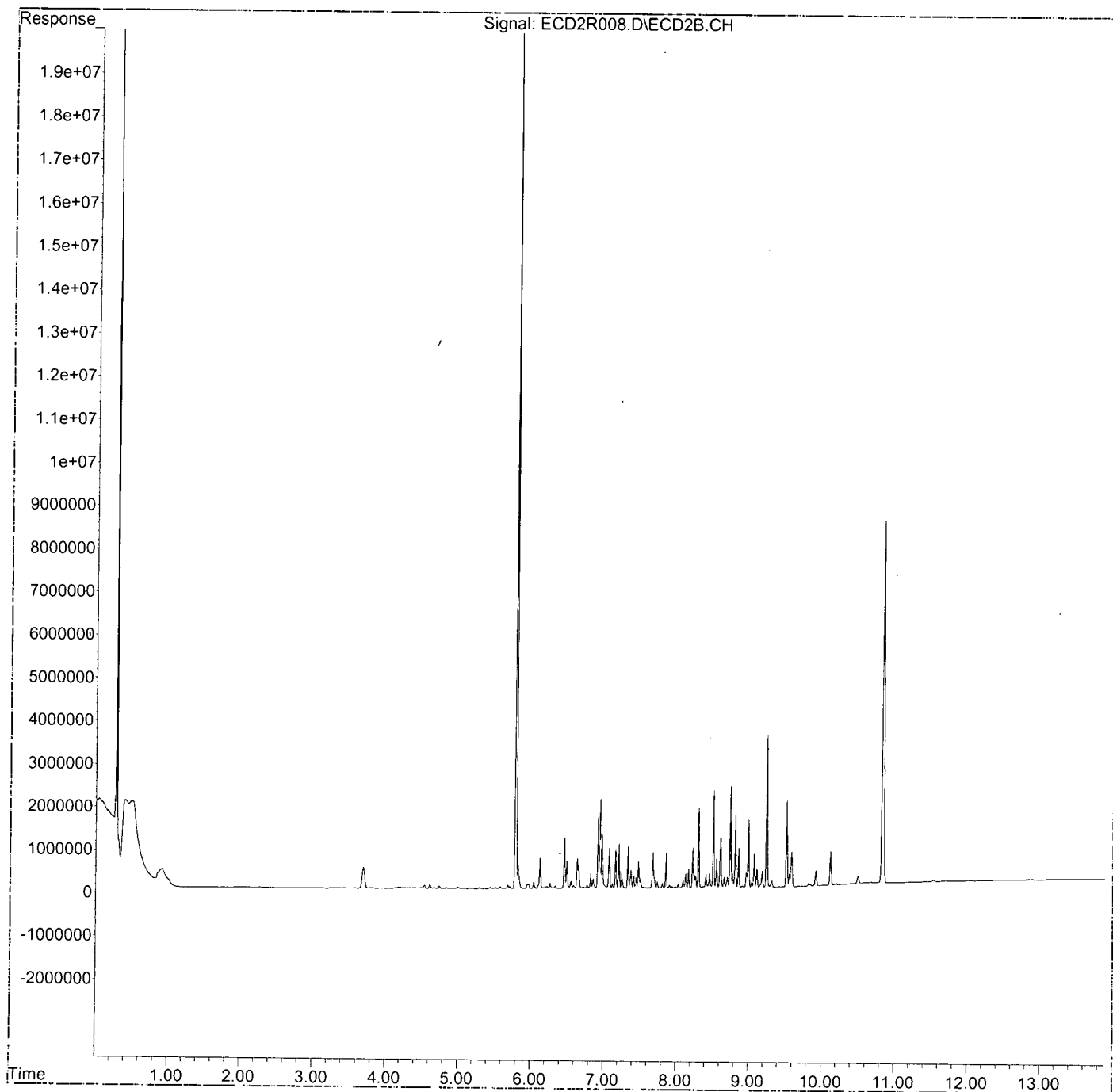
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:38
Operator : MJB / KAK
Sample : 0D26013-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:45:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:55
 Operator : MJB / KAK
 Sample : 0D26013-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:46:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.789	41904714	141.441 ng/ml
64) S DCBP (S)	10.835	17136875	102.636 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.460	2248205	235.527 ng/ml
3) Aroclor 1016 (2)	6.948	4090553	244.884 ng/ml
4) Aroclor 1016 (3)	7.075	1898596	245.664 ng/ml
5) Aroclor 1016 (4)	7.162	1800825	224.451 ng/ml
6) Aroclor 1016 (5)	7.207	1960937	225.811 ng/ml
7) Aroclor 1016 (6)	7.333	1993317	226.826 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	3863355	231.555 ng/ml
44) Aroclor 1260 (2)	8.510	4682576	226.028 ng/ml

Handwritten signature
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 19:55
 Operator : MJB / KAK
 Sample : 0D26013-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:46:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.743	4666457	224.204 ng/ml
46) Aroclor 1260 (4)	9.243	7092137	208.900 ng/ml
47) Aroclor 1260 (5)	9.517	4034614	203.852 ng/ml
48) Aroclor 1260 (6)	10.120	1622349	208.419 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

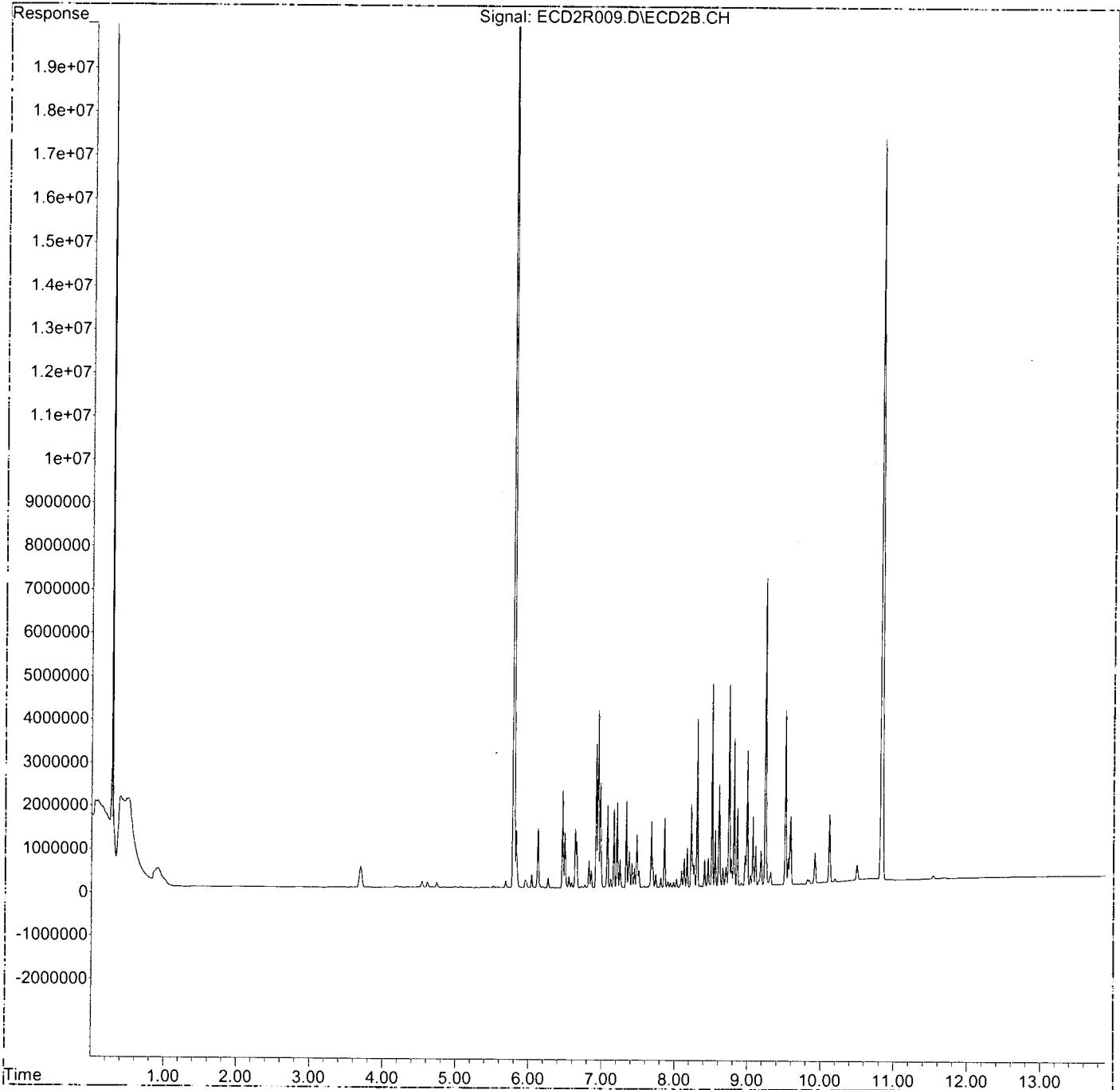
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 19:55
Operator : MJB / KAK
Sample : 0D26013-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:46:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:13
 Operator : MJB / KAK
 Sample : 0D26013-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:40:18 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.791	97344690	328.567 ng/ml
64) S DCBP (S)	10.835	41791948	250.300 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.461	5327493	558.119 ng/ml
3) Aroclor 1016 (2)	6.948	9698795	580.625 ng/ml
4) Aroclor 1016 (3)	7.075	4528038	585.894 ng/ml
5) Aroclor 1016 (4)	7.162	4178815	520.838 ng/ml
6) Aroclor 1016 (5)	7.208	4702756	541.543 ng/ml
7) Aroclor 1016 (6)	7.333	4728111	538.026 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.305	9116360	546.401 ng/ml
44) Aroclor 1260 (2)	8.511	11456862	553.024 ng/ml

Handwritten signature
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:13
 Operator : MJB / KAK
 Sample : 0D26013-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:40:18 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.743	11245192	540.285 ng/ml
46) Aroclor 1260 (4)	9.243	17882816	526.740 ng/ml
47) Aroclor 1260 (5)	9.518	10372093	524.058 ng/ml
48) Aroclor 1260 (6)	10.119	3880517	498.521 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

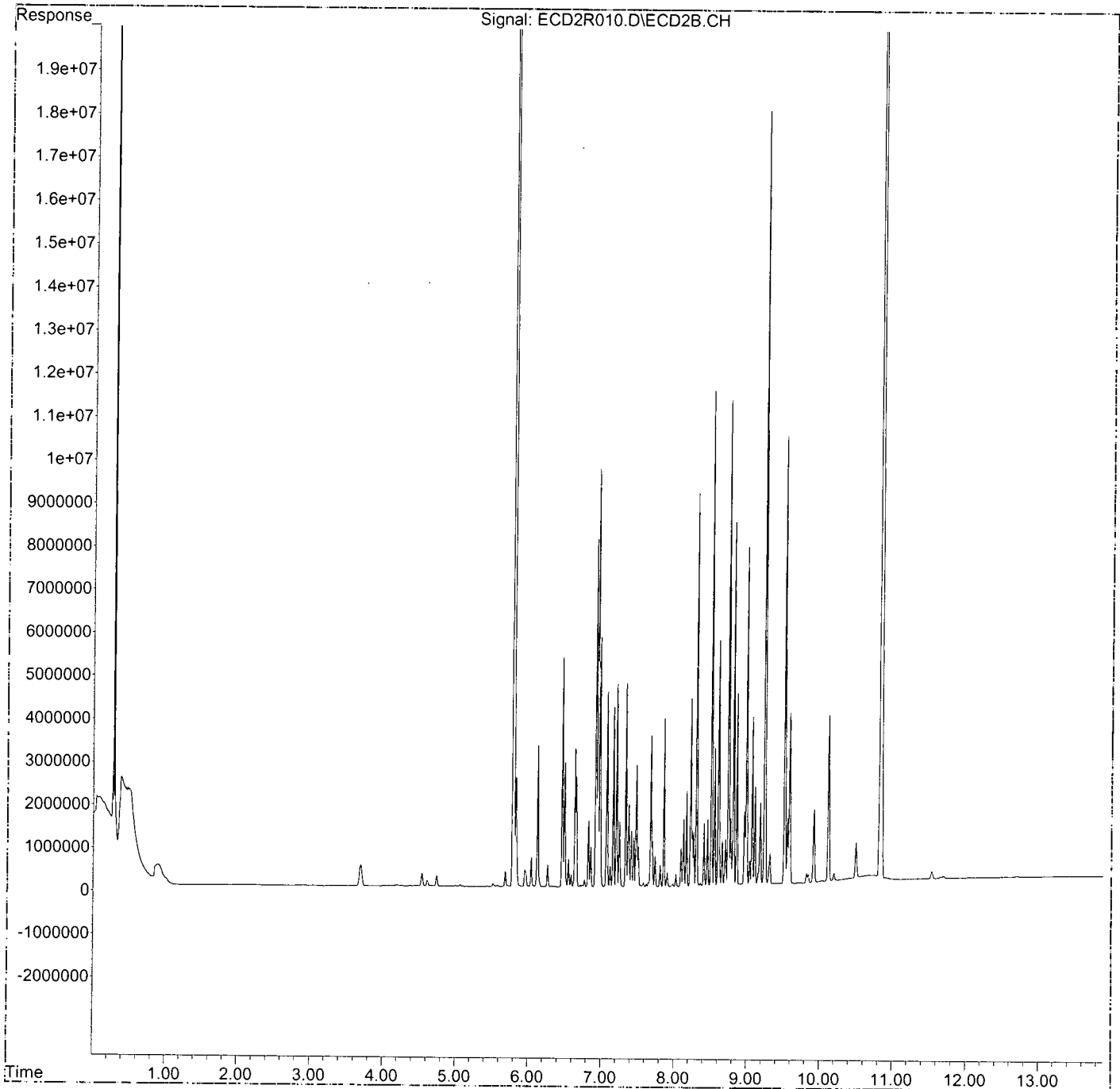
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 20:13
Operator : MJB / KAK
Sample : 0D26013-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:40:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:30
 Operator : MJB / KAK
 Sample : 0D26013-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:48:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.794	202017678	681.870 ng/ml
64) S DCBP (S)	10.839	99154225	593.855 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.461	9966342	1044.095 ng/ml
3) Aroclor 1016 (2)	6.949	19092373	1142.979 ng/ml
4) Aroclor 1016 (3)	7.076	8572321	1109.194 ng/ml
5) Aroclor 1016 (4)	7.162	7862715	979.991 ng/ml
6) Aroclor 1016 (5)	7.208	9071307	1044.601 ng/ml
7) Aroclor 1016 (6)	7.333	9123133	1038.149 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	18299796	1096.823 ng/ml
44) Aroclor 1260 (2)	8.511	22109725	1067.239 ng/ml

Handwritten signature and date: 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:30
 Operator : MJB / KAK
 Sample : 0D26013-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:48:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
45) Aroclor 1260 (3)	8.745	22907917	1100.631 ng/ml
46) Aroclor 1260 (4)	9.244	36733538	1081.990 ng/ml
47) Aroclor 1260 (5)	9.519	19700831	995.400 ng/ml
48) Aroclor 1260 (6)	10.120	7744401	894.904 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D. ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D. ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D. ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D. ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D. ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D. ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

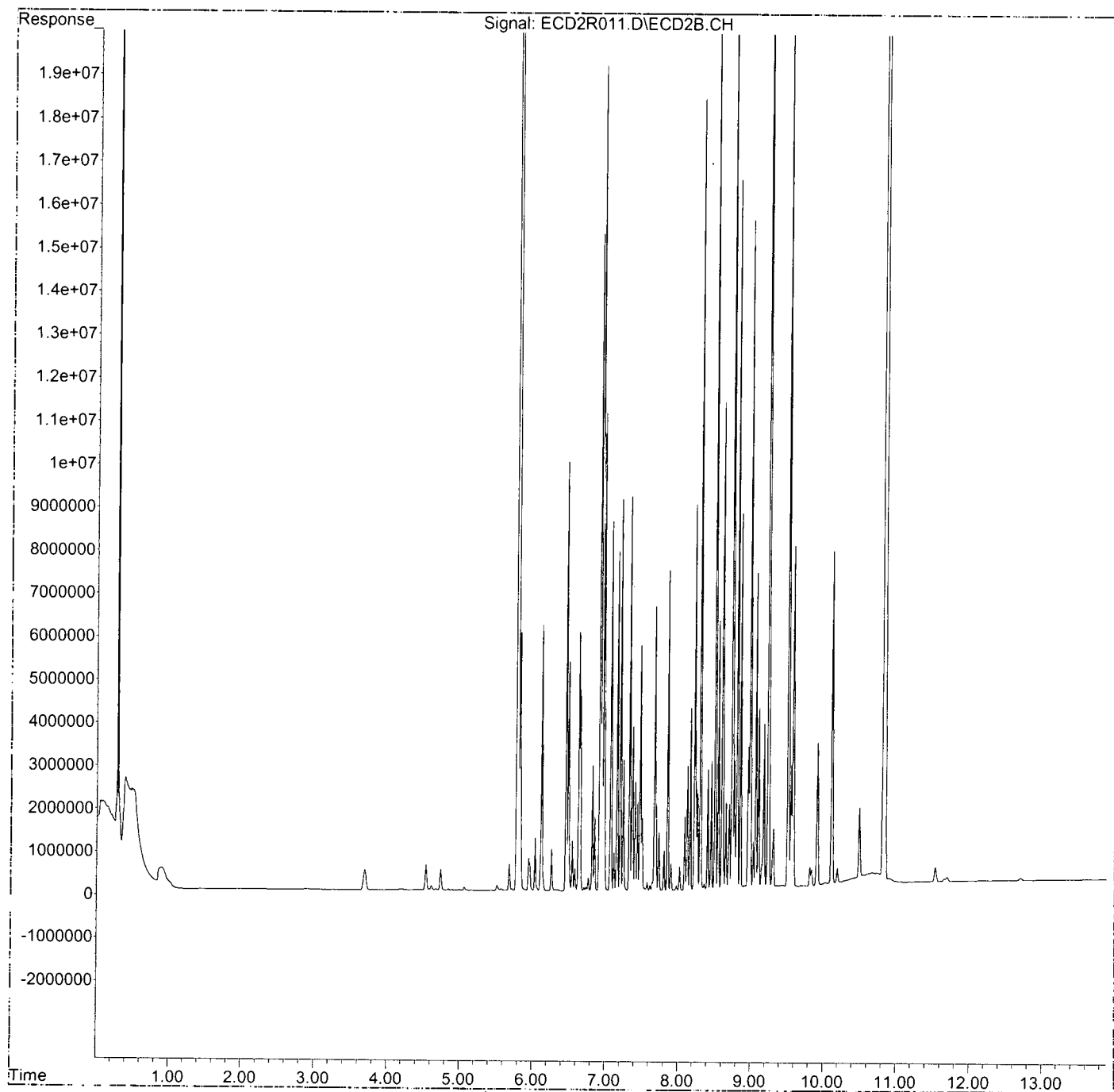
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 20:30
Operator : MJB / KAK
Sample : 0D26013-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:48:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:48
 Operator : MJB / KAK
 Sample : 0D26013-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:50:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.799	201974946	681.726 ng/ml
64) S DCBP (S)	10.839	166792959	998.957 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.461	15341485	1607.206 ng/ml
3) Aroclor 1016 (2)	6.949	29775662	1782.541 ng/ml
4) Aroclor 1016 (3)	7.075	13528981	1750.549 ng/ml
5) Aroclor 1016 (4)	7.163	12292568	1532.117 ng/ml
6) Aroclor 1016 (5)	7.208	13747480	1583.083 ng/ml
7) Aroclor 1016 (6)	7.333	13922541	1584.288 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D. ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.306	28187614	1689.462 ng/ml
44) Aroclor 1260 (2)	8.511	34861693	1682.778 ng/ml

[Handwritten signature]
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 20:48
 Operator : MJB / KAK
 Sample : 0D26013-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:50:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	8.744	35573976	1709.184	ng/ml
46)	Aroclor 1260 (4)	9.243	59662293	1757.358	ng/ml
47)	Aroclor 1260 (5)	9.518	33408870	1688.009	ng/ml
48)	Aroclor 1260 (6)	10.120	12178485	1564.540	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

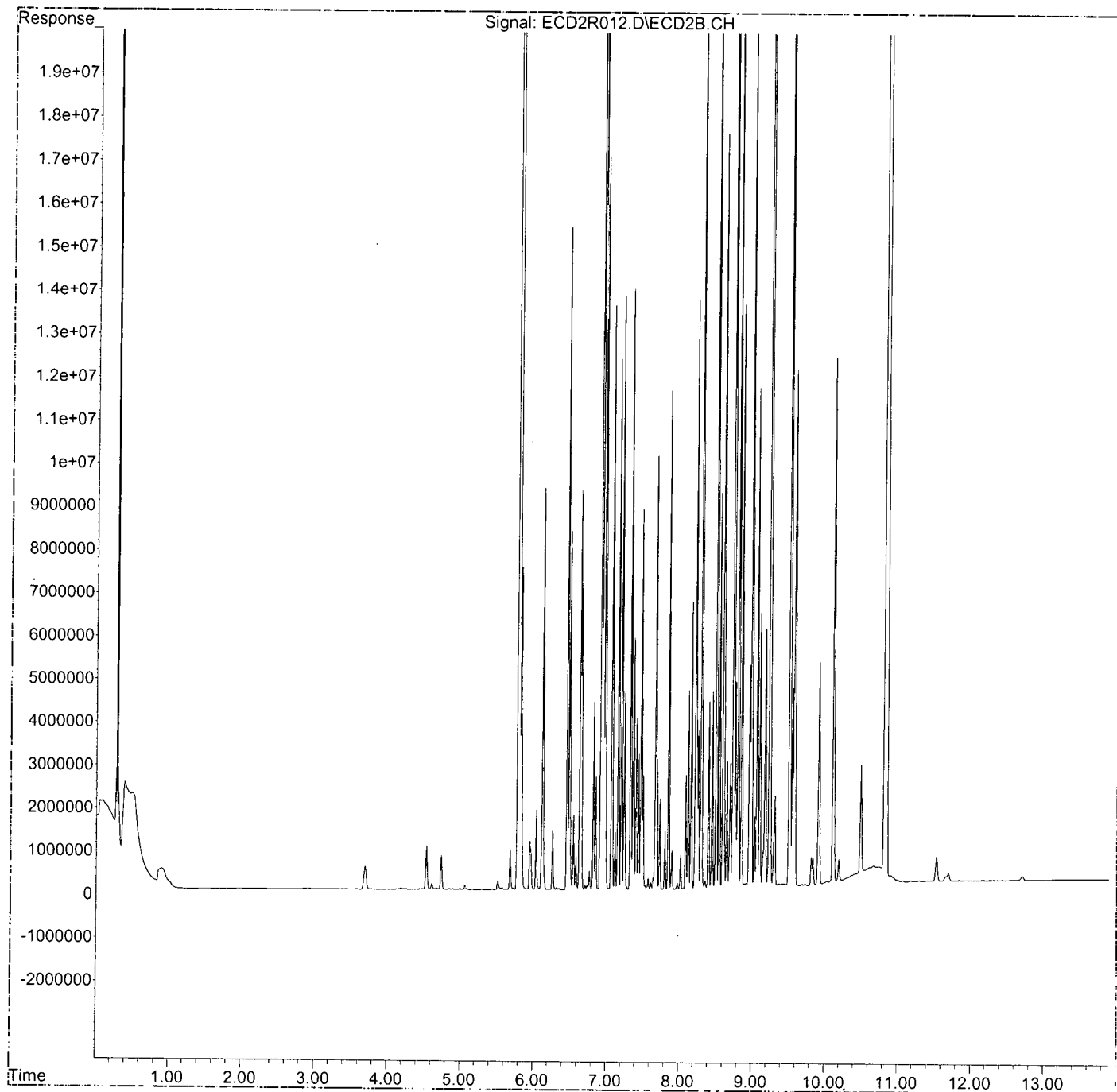
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 20:48
Operator : MJB / KAK
Sample : 0D26013-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:50:23 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:41
 Operator : MJB / KAK
 Sample : 0D26013-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:54:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.966	1456747	658.818	ng/ml
10) Aroclor 1221 (2)	6.037	1383486	639.009	ng/ml
11) Aroclor 1221 (3)	6.125	4666690	646.088	ng/ml
12) Aroclor 1221 (4)	6.634	1022112	NoCal	ng/ml
13) Aroclor 1221 (5)	6.949	742613	NoCal	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature and date:
 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:41
 Operator : MJB / KAK
 Sample : 0D26013-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:54:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:31:08 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

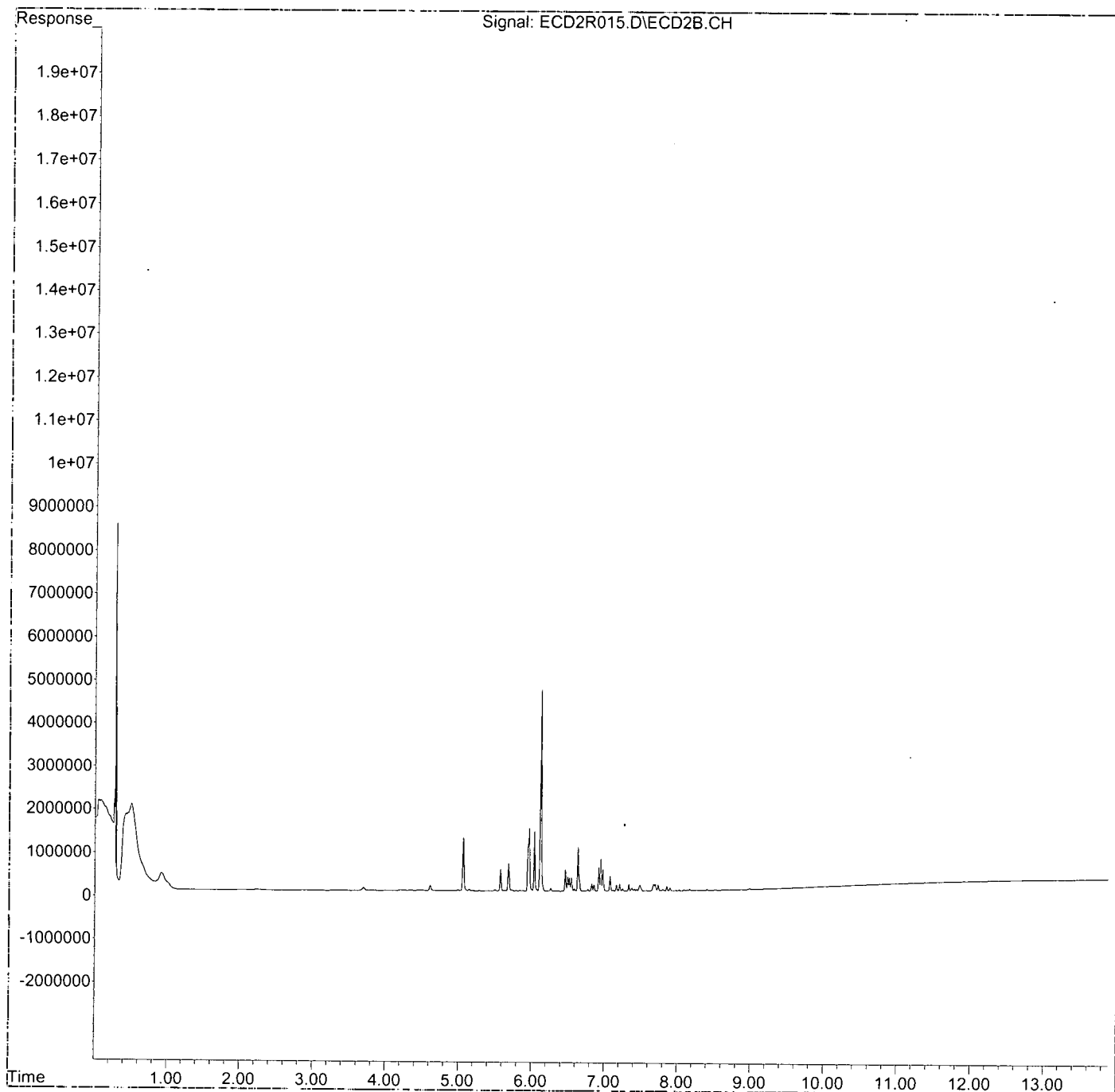
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 21:41
Operator : MJB / KAK
Sample : 0D26013-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:54:19.2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:31:08 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:58
 Operator : MJB / KAK
 Sample : 0D26013-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:56:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:55:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.123	3721578	609.134	ng/ml
16) Aroclor 1232 (2)	6.460	2207594	590.813	ng/ml
17) Aroclor 1232 (3)	6.947	4100540	598.080	ng/ml
18) Aroclor 1232 (4)	7.162	1505524	596.073	ng/ml
19) Aroclor 1232 (5)	7.207	1772710	583.328	ng/ml
20) Aroclor 1232 (6)	7.332	1752849	547.064	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature
 4/27/20

Data Path : K:\DATA\0D26013\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 21:58
 Operator : MJB / KAK
 Sample : 0D26013-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:56:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:55:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

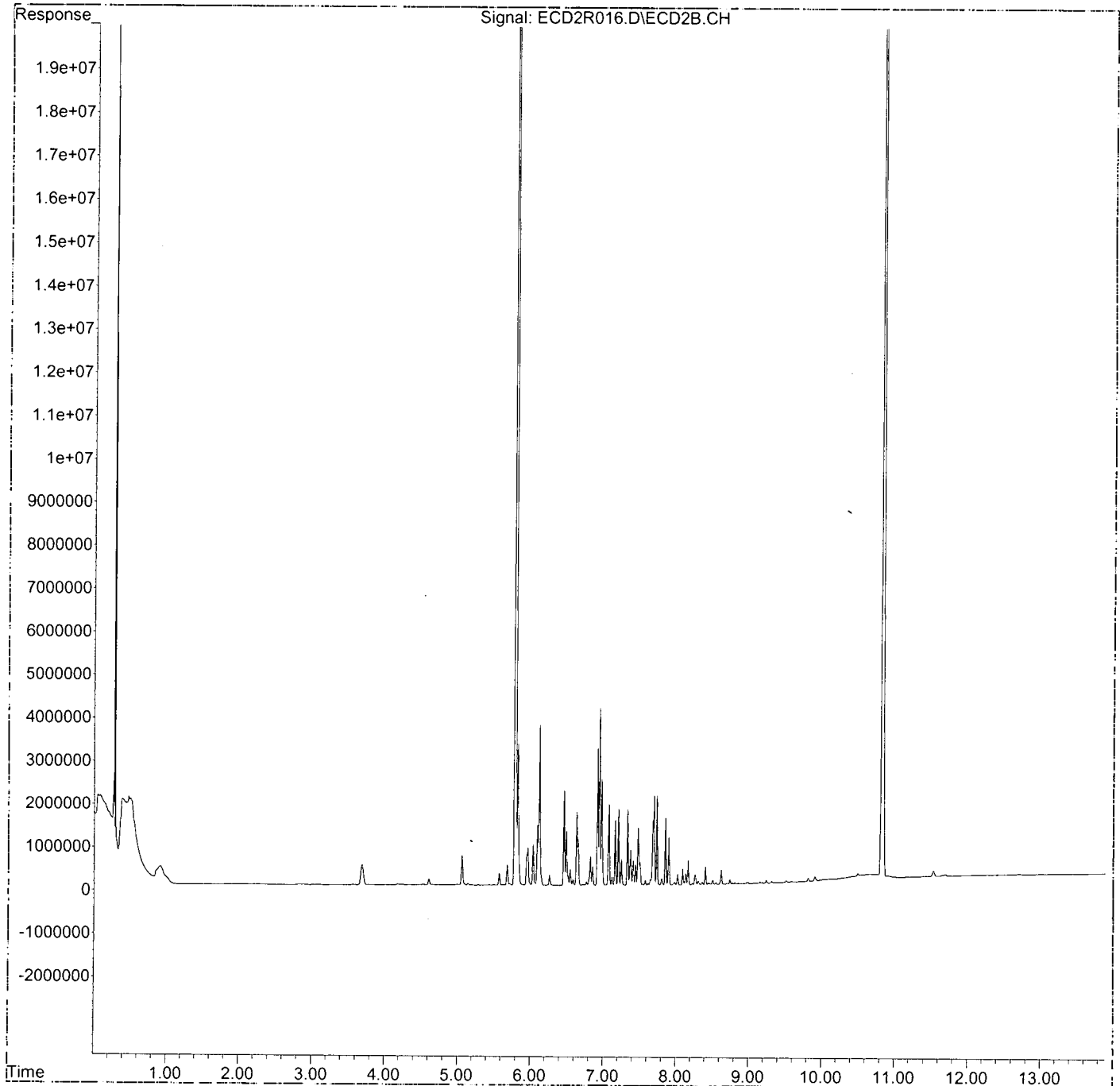
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 21:58
Operator : MJB / KAK
Sample : 0D26013-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:56:19 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:55:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 22:16
 Operator : MJB / KAK
 Sample : 0D26013-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:58:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:57:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.458	4155586	596.031	ng/ml
23) Aroclor 1242 (2)	6.947	7572703	606.822	ng/ml
24) Aroclor 1242 (3)	7.074	3473150	614.960	ng/ml
25) Aroclor 1242 (4)	7.161	3122528	587.438	ng/ml
26) Aroclor 1242 (5)	7.206	3671405	601.319	ng/ml
27) Aroclor 1242 (6)	7.331	3706061	568.605	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature and date:
 A127/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 22:16
 Operator : MJB / KAK
 Sample : 0D26013-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 07:58:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:57:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

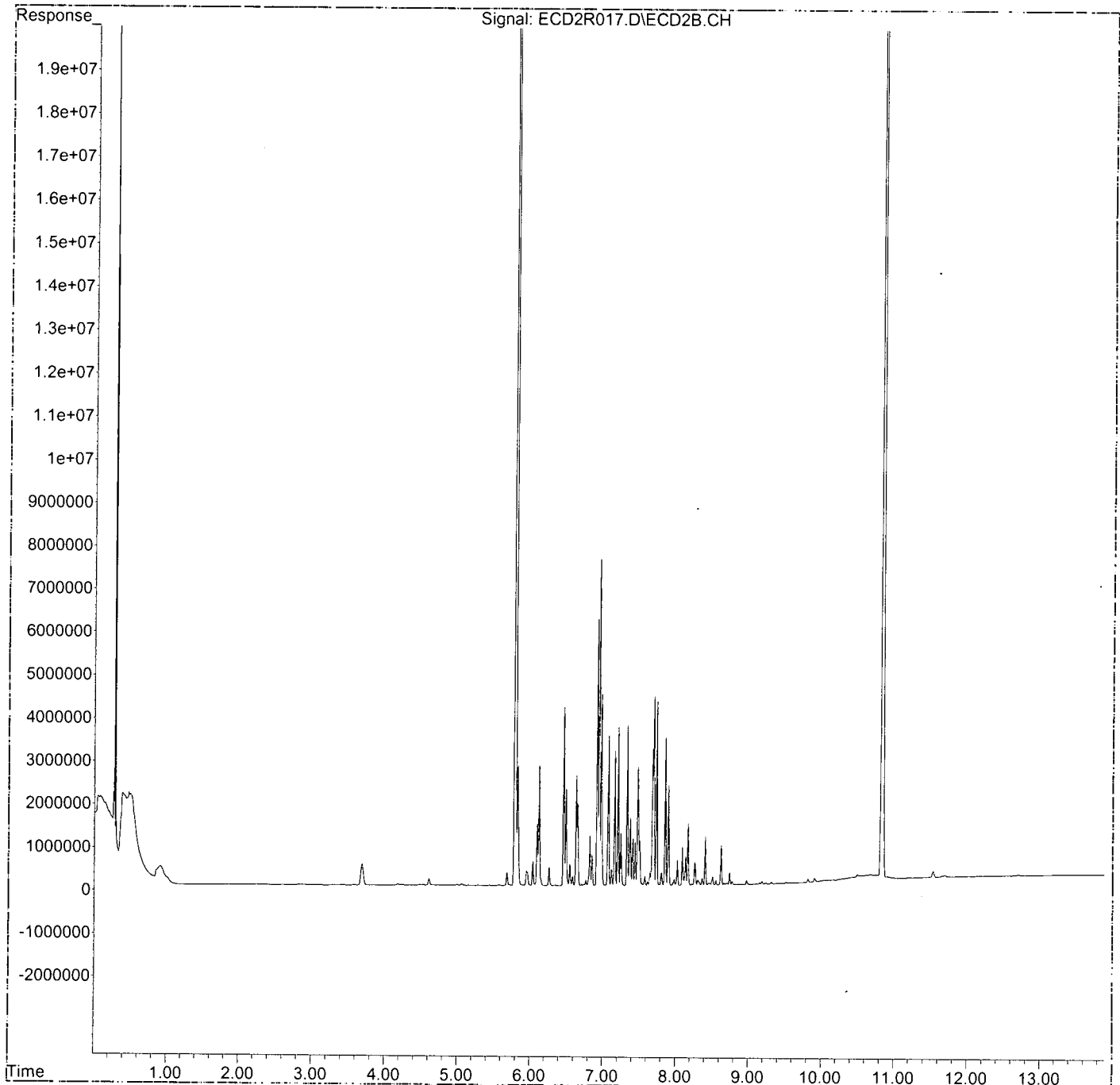
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 22:16
Operator : MJB / KAK
Sample : 0D26013-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 07:58:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:57:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 22:33
 Operator : MJB / KAK
 Sample : 0D26013-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:00:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:59:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	6.948	4513638	639.769	ng/ml
30) Aroclor 1248 (2)	7.162	5869101	652.912	ng/ml
31) Aroclor 1248 (3)	7.207	5165111	618.255	ng/ml
32) Aroclor 1248 (4)	7.333	6481705	638.287	ng/ml
33) Aroclor 1248 (5)	7.697	7667959	593.493	ng/ml
34) Aroclor 1248 (6)	7.856	6778375	588.213	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Handwritten signature and date: 4/27/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 22:33
 Operator : MJB / KAK
 Sample : 0D26013-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:00:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 07:59:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

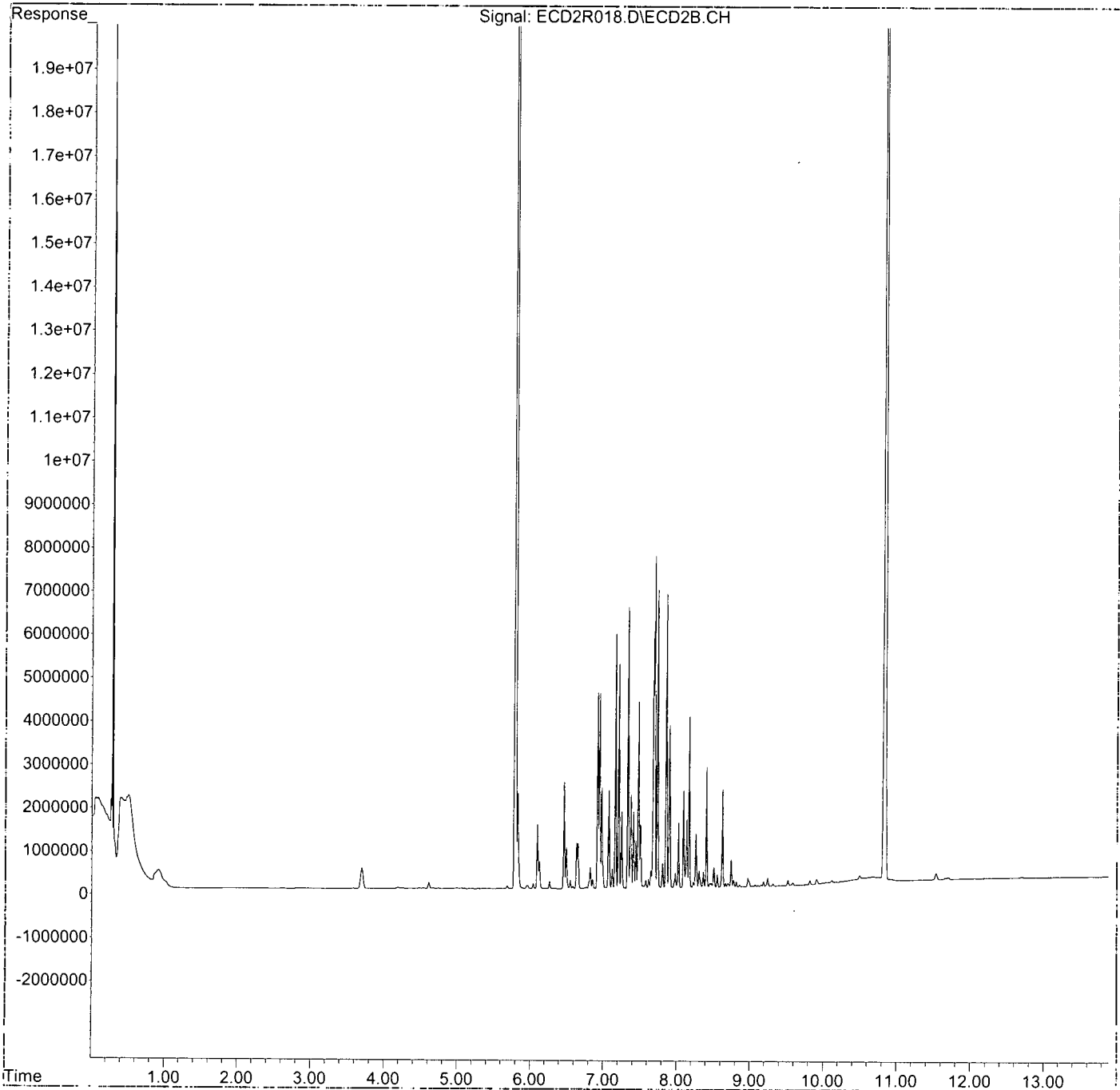
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 22:33
Operator : MJB / KAK
Sample : 0D26013-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 08:00:06 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 07:59:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 22:51
 Operator : MJB / KAK
 Sample : 0D26013-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:01:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	7.678	8032633	622.871	ng/ml
37) Aroclor 1254 (2)	7.858	12795591	625.814	ng/ml
38) Aroclor 1254 (3)	8.169	13723399	621.207	ng/ml
39) Aroclor 1254 (4)	8.407	10034924	578.161	ng/ml
40) Aroclor 1254 (5)	8.743	9713512	587.080	ng/ml
41) Aroclor 1254 (6)	8.975	2817562	560.594	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

MJB
 4/27/20

Data Path : K:\DATA\0D26013\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 22:51
 Operator : MJB / KAK
 Sample : 0D26013-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:01:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

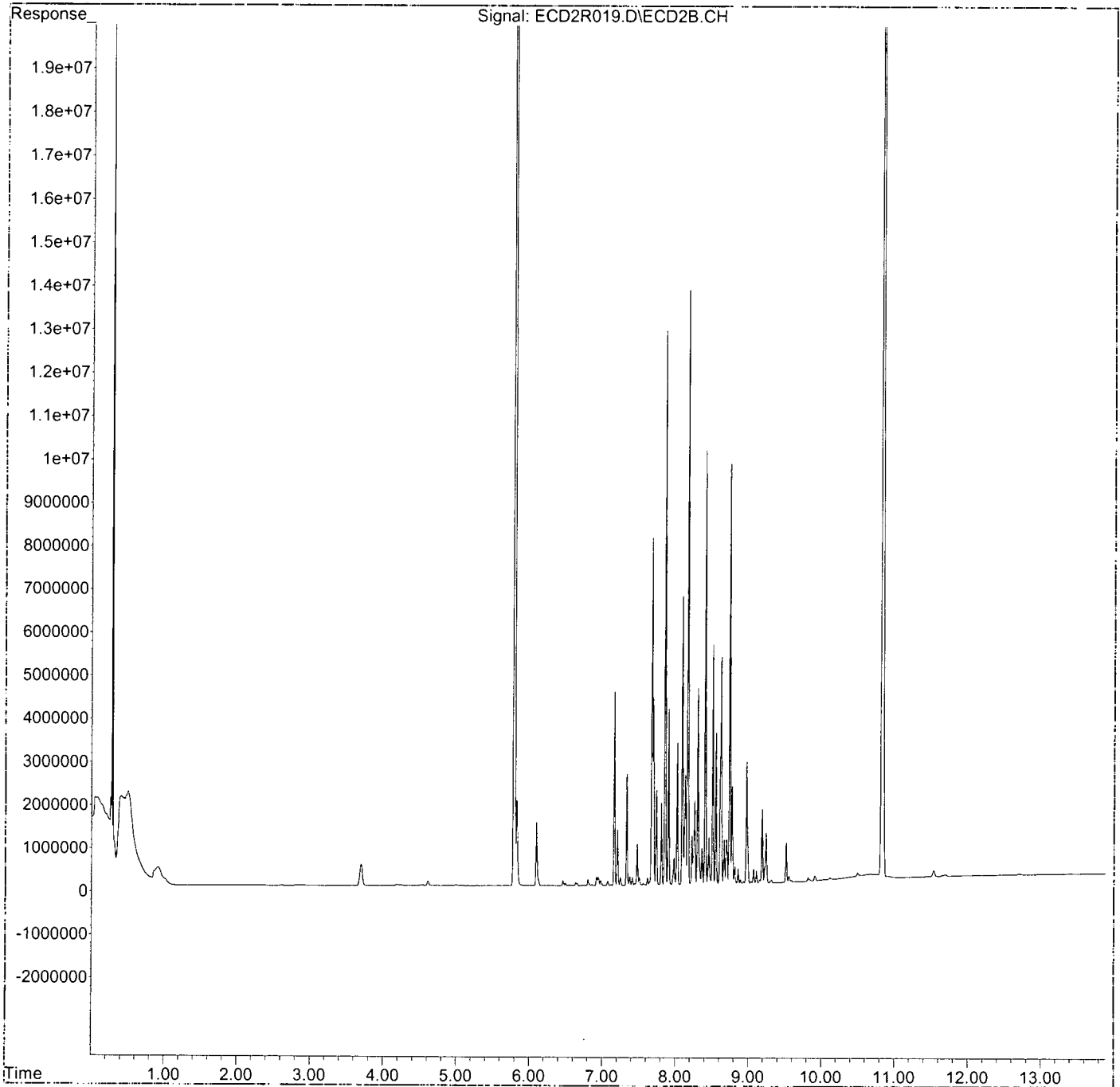
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 22:51
Operator : MJB / KAK
Sample : 0D26013-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 08:02:23 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:01:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 23:08
 Operator : MJB / KAK
 Sample : 0D26013-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:04:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:03:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 23:08
 Operator : MJB / KAK
 Sample : 0D26013-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:04:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:03:05 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	8.509	9066974	557.257	ng/ml
51) Aroclor 1262 (2)	8.813	12441479	569.704	ng/ml
52) Aroclor 1262 (3)	8.993	9896803	551.423	ng/ml
53) Aroclor 1262 (4)	9.242	20221000	522.812	ng/ml
54) Aroclor 1262 (5)	9.518	12018161	514.927	ng/ml
55) Aroclor 1262 (6)	10.118	5311261	510.809	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	0.000	0	N.D.	ng/ml
58) Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59) Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60) Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61) Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62) Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Handwritten:
 200
 4/27/20

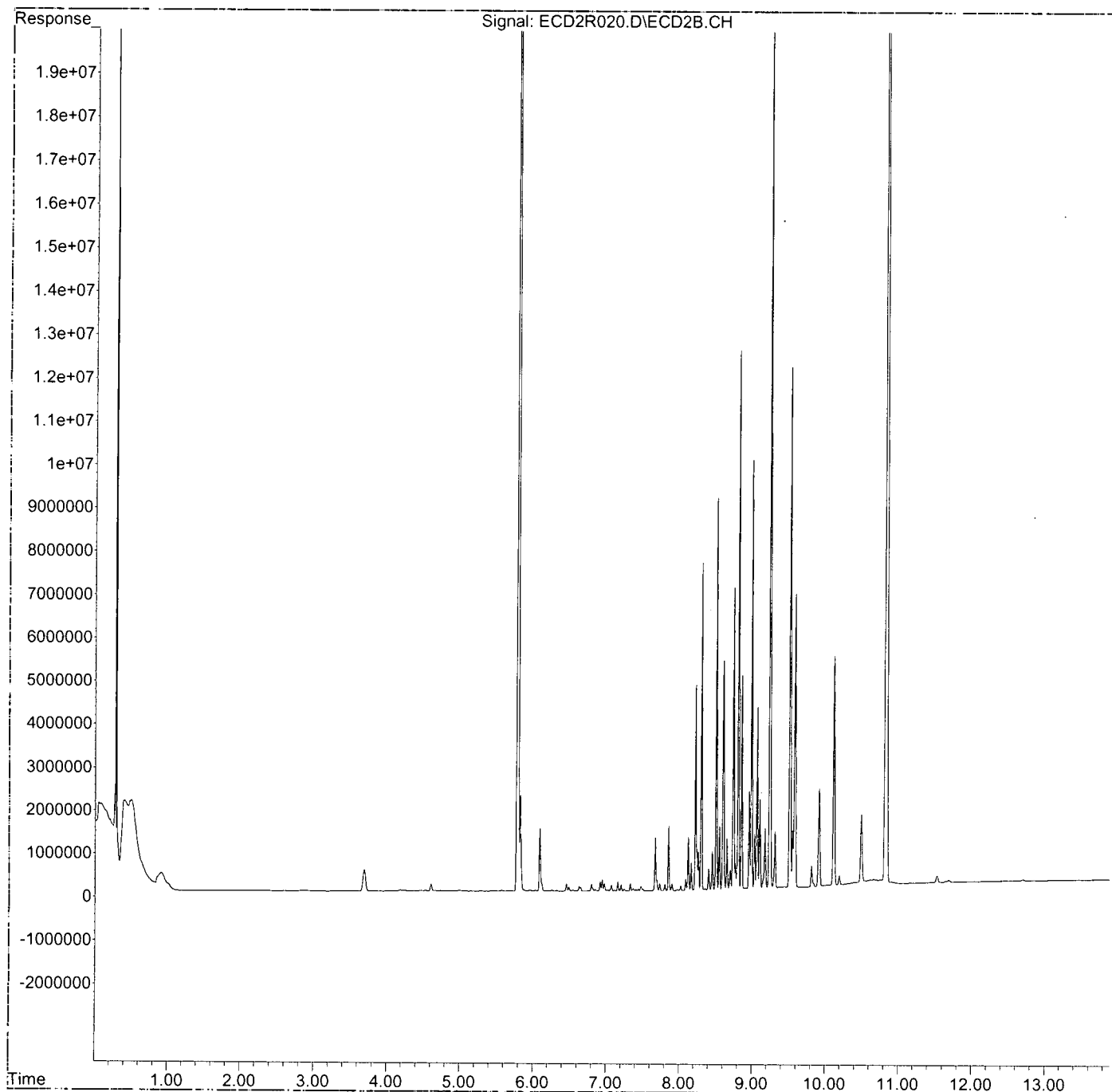
(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0D26013\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 23:08
Operator : MJB / KAK
Sample : 0D26013-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 08:04:27 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:03:05 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 23:26
 Operator : MJB / KAK
 Sample : 0D26013-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:06:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:05:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 4/27/20

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml
27) Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29) Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30) Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31) Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32) Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33) Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34) Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36) Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37) Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38) Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39) Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40) Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41) Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43) Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44) Aroclor 1260 (2)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Apr 2020 23:26
 Operator : MJB / KAK
 Sample : 0D26013-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Apr 27 08:06:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:05:22 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units
45) Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46) Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47) Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48) Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57) Aroclor 1268 (1)	9.037	5429187	559.227	ng/ml
58) Aroclor 1268 (2)	9.521	23268921	539.865	ng/ml
59) Aroclor 1268 (3)	9.589	17881464	504.760	ng/ml
60) Aroclor 1268 (4)	9.819	15799129	528.165	ng/ml
61) Aroclor 1268 (5)	10.119	6220322	519.616	ng/ml
62) Aroclor 1268 (6)	10.498	41072645	507.338	ng/ml
63) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature and date: 4/27/20

(f)=RT Delta > 1/2 Window

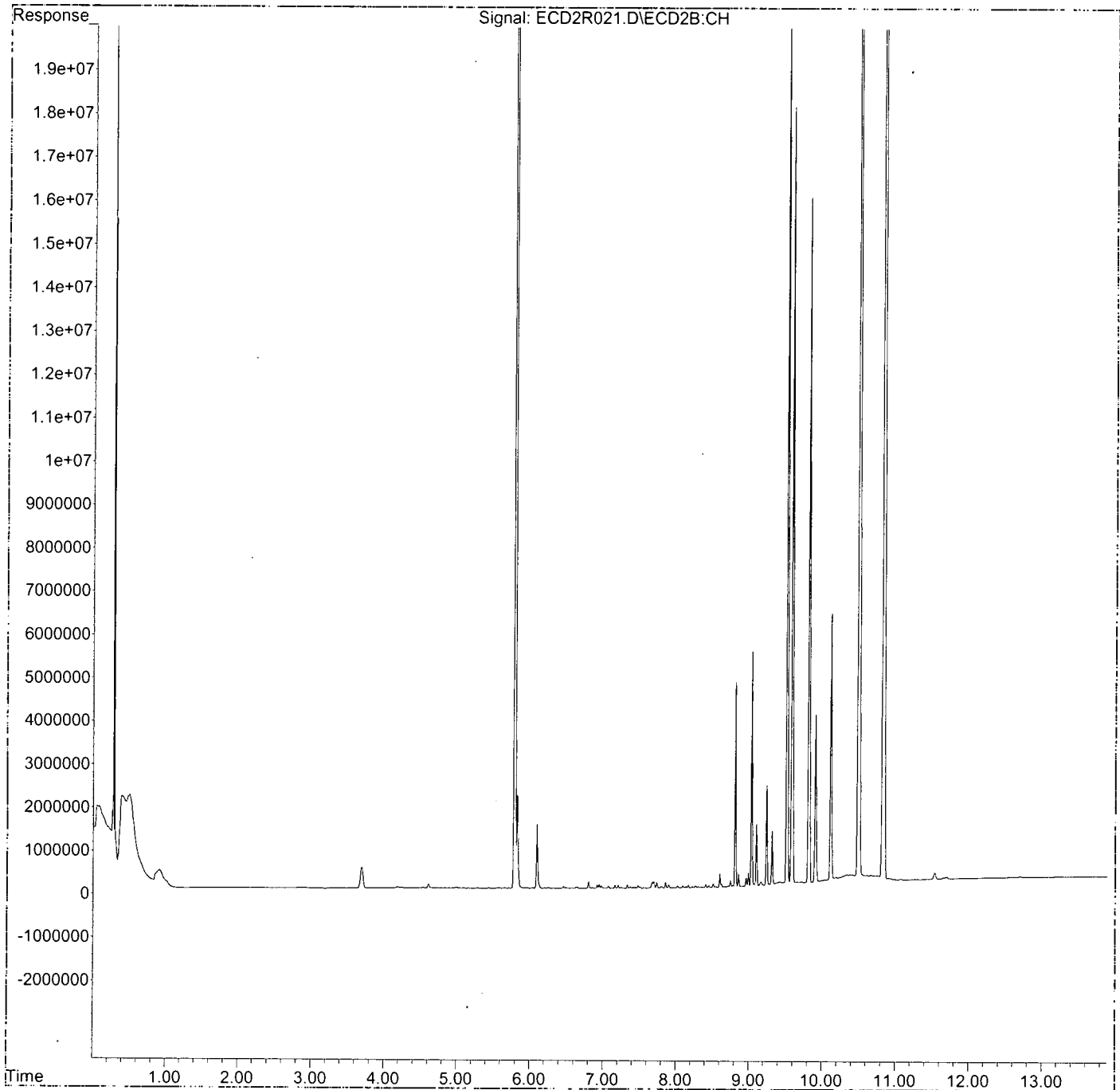
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0D26013\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 26 Apr 2020 23:26
Operator : MJB / KAK
Sample : 0D26013-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Apr 27 08:06:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200426.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:05:22 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0E19027 (Cal ID A0E2004) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E19027
Date: 05/19/20 06:16

Instrument: DUALECD2R
Calibration: A0E2004

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD.ID	STD.ID
1	0E19027-ICB1	Water	QC	QC				A20E115
2	0E19027-CAL1	Water	QC	QC				A19L280
3	0E19027-CAL2	Water	QC	QC				A19L281
4	0E19027-CAL3	Water	QC	QC				A19L282
5	0E19027-CAL4	Water	QC	QC				A19L283
6	0E19027-CAL5	Water	QC	QC				A19L276
7	0E19027-CAL6	Water	QC	QC				A19L278
8	0E19027-CAL7	Water	QC	QC				A19L279
9	0E19027-ICV1	Water	QC	QC				A20B355
10	0E19027-CAL8	Water	QC	QC				A20C117
11	0E19027-CAL9	Water	QC	QC				A20B322
12	0E19027-CALA	Water	QC	QC				A20B323
13	0E19027-CALB	Water	QC	QC				A20B324
14	0E19027-CALC	Water	QC	QC				A20B325
15	0E19027-CALD	Water	QC	QC				A20B326
16	0E19027-CALE	Water	QC	QC				A20B327
17	0E19027-ICV2	Water	QC	QC				A20B353
18	0E19027-ICV3	Water	QC	QC				A20D351
19	0E19027-ICV4	Water	QC	QC				A20B354
20	0E19027-ICV5	Water	QC	QC				A20B130

Data Entered By: KAK 5/20/2020

Comments:

Data Reviewed By: MKZ 5/22/20

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200519.M
 Title : PCB Data Analysis
 Last Update : Wed May 20 10:01:55 2020
 Response Via : Initial Calibration

KAK 5/20/2020

Calibration: A0E2004

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0E19027\ECD2R005.D
2	2	25	0	K:\DATA\0E19027\ECD2R006.D
3	3	50	0	K:\DATA\0E19027\ECD2R007.D
4	4	100	0	K:\DATA\0E19027\ECD2R008.D
5	5	250	0	K:\DATA\0E19027\ECD2R020.D
6	6	500	0	K:\DATA\0E19027\ECD2R010.D
7	7	800	0	K:\DATA\0E19027\ECD2R011.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	May 20 09:54 2020	May 20 09:16 2020	19 May 2020 8:34 am
2	2	May 20 09:54 2020	May 20 09:17 2020	19 May 2020 8:52 am
3	3	May 20 09:54 2020	May 20 09:17 2020	19 May 2020 9:09 am
4	4	May 20 09:54 2020	May 20 09:18 2020	19 May 2020 9:27 am
5	5	May 20 10:01 2020	May 20 09:49 2020	19 May 2020 12:59 pm
6	6	May 20 09:58 2020	May 20 09:21 2020	19 May 2020 10:02 am
7	7	May 20 09:59 2020	May 20 09:21 2020	19 May 2020 10:20 am

RECD2_QUANTPCB_200519.M Wed May 20 10:03:30 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200519.M
 Title : PCB Data Analysis
 Last Update : Wed May 20 10:01:55 2020
 Response Via : Initial Calibration

KAK 5/20/2020

Calibration Files

1 =ECD2R005.D 2 =ECD2R006.D 3 =ECD2R007.D
 4 =ECD2R008.D 5 =ECD2R020.D 6 =ECD2R010.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	3.222	3.070	3.034	3.286	3.002	3.413	3.079	E5 9.29
2) Aroclor 1016 ...	1.065	0.939	0.901	0.904	0.815	0.758	0.880	E4 12.05
3) Aroclor 1016 ...	1.804	1.559	1.640	1.653	1.559	1.523	1.613	E4 5.98
4) Aroclor 1016 ...	9.305	8.402	7.678	7.786	7.616	7.289	7.897	E3 9.29
5) Aroclor 1016 ...	8.932	7.745	7.252	7.103	6.683	6.316	7.201	E3 12.73
6) Aroclor 1016 ...	9.894	8.498	8.514	8.166	7.713	7.319	8.214	E3 10.80
7) Aroclor 1016 (6)	1.022	0.865	0.847	0.824	0.784	0.749	0.835	E4 11.17
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					2.263		2.263	E3 0.00
10) Aroclor 1221 (2)					2.205		2.205	E3 0.00
11) Aroclor 1221 (3)					7.319		7.319	E3 0.00
12) Aroclor 1221 ...					1.496		1.496	E3 0.00
13) Aroclor 1221 (5)					1.151		1.151	E3 0.00
14) Aroclor 1221 ...							0.000	-1.00
15) Aroclor 1232 (1)					6.214		6.214	E3 0.00
16) Aroclor 1232 (2)					3.674		3.674	E3 0.00
17) Aroclor 1232 (3)					6.778		6.778	E3 0.00
18) Aroclor 1232 (4)					2.381		2.381	E3 0.00
19) Aroclor 1232 (5)					2.975		2.975	E3 0.00
20) Aroclor 1232 (6)					3.094		3.094	E3 0.00
21) Aroclor 1232 ...							0.000	-1.00
22) Aroclor 1242 ...					6.382		6.382	E3 0.00
23) Aroclor 1242 ...					1.160		1.160	E4 0.00
24) Aroclor 1242 ...					5.703		5.703	E3 0.00
25) Aroclor 1242 ...					4.896		4.896	E3 0.00
26) Aroclor 1242 ...					5.742		5.742	E3 0.00
27) Aroclor 1242 (6)					5.943		5.943	E3 0.00
28) Aroclor 1242 ...							0.000	-1.00
29) Aroclor 1248 ...					7.533		7.533	E3 0.00
30) Aroclor 1248 ...					8.821		8.821	E3 0.00
31) Aroclor 1248 ...					8.503		8.503	E3 0.00
32) Aroclor 1248 ...					1.016		1.016	E4 0.00
33) Aroclor 1248 ...					1.287		1.287	E4 0.00
34) Aroclor 1248 (6)					1.105		1.105	E4 0.00
35) Aroclor 1248 ...							0.000	-1.00
36) Aroclor 1254 ...					1.289		1.289	E4 0.00
37) Aroclor 1254 ...					2.045		2.045	E4 0.00
38) Aroclor 1254 ...					2.275		2.275	E4 0.00
39) Aroclor 1254 ...					1.661		1.661	E4 0.00
40) Aroclor 1254 ...					1.681		1.681	E4 0.00
41) Aroclor 1254 (6)					5.049		5.049	E3 0.00
42) Aroclor 1254 ...							0.000	-1.00



Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200519.M
 Title : PCB Data Analysis
 Last Update : Wed May 20 10:01:55 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD2R005.D 2 =ECD2R006.D 3 =ECD2R007.D
 4 =ECD2R008.D 5 =ECD2R020.D 6 =ECD2R010.D

Compound		1	2	3	4	5	6	Avg	%RSD		
43)	Aroclor 1260 ...	1.820	1.598	1.569	1.589	1.566	1.476	1.594	E4	6.74	✓
44)	Aroclor 1260 ...	2.218	1.984	1.945	2.033	1.906	1.833	1.975	E4	6.32	✓
45)	Aroclor 1260 (3)	2.159	1.977	1.986	2.058	2.010	1.958	2.029	E4	3.38	✓
46)	Aroclor 1260 (4)	3.327	3.025	3.032	3.145	3.144	3.219	3.186	E4	4.54	✓
47)	Aroclor 1260 (5)	1.996	1.802	1.829	1.818	1.794	1.819	1.849	E4	3.86	✓
48)	Aroclor 1260 (6)	7.928	7.067	7.098	7.275	7.110	6.902	7.209	E3	4.64	✓
49)	Aroclor 1260 ...							0.000		-1.00	
50)	Aroclor 1262 (1)					1.475		1.475	E4	0.00	
51)	Aroclor 1262 (2)					1.992		1.992	E4	0.00	
52)	Aroclor 1262 (3)					1.559		1.559	E4	0.00	
53)	Aroclor 1262 (4)					3.550		3.550	E4	0.00	
54)	Aroclor 1262 (5)					2.125		2.125	E4	0.00	
55)	Aroclor 1262 (6)					9.652		9.652	E3	0.00	
56)	Aroclor 1262 ...							0.000		-1.00	
57)	Aroclor 1268 (1)					9.359		9.359	E3	0.00	
58)	Aroclor 1268 (2)					4.062		4.062	E4	0.00	
59)	Aroclor 1268 (3)					3.334		3.334	E4	0.00	
60)	Aroclor 1268 (4)					2.752		2.752	E4	0.00	
61)	Aroclor 1268 (5)					1.071		1.071	E4	0.00	
62)	Aroclor 1268 (6)					7.931		7.931	E4	0.00	
63)	Aroclor 1268 ...							0.000		-1.00	
64) S	DCBP (S)	1.709	1.591	1.647	1.671	1.562	1.881	1.715	E5	8.38	✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200519.M
 Title : PCB Data Analysis
 Last Update : Wed May 20 10:01:55 2020
 Response Via : Initial Calibration

KAK 5/20/2020

Total Cpnds : 64

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.711	1.000	A	H	R
2	Aroclor 1016 (1)	6.382	1.000	A	H	R
3	Aroclor 1016 (2)	6.869	1.000	A	H	R
4	Aroclor 1016 (3)	6.996	1.000	A	H	R
5	Aroclor 1016 (4)	7.083	1.000	A	H	R
6	Aroclor 1016 (5)	7.129	1.000	A	H	R
7	Aroclor 1016 (6)	7.253	1.000	A	H	R
8	Aroclor 1016 - AVE	1.866	1.000	A	H	R
9	Aroclor 1221 (1)	5.887	1.000	A	H	R
10	Aroclor 1221 (2)	5.959	1.000	A	H	R
11	Aroclor 1221 (3)	6.046	1.000	A	H	R
12	Aroclor 1221 (4)	6.556	1.000	A	L H	B R
13	Aroclor 1221 (5)	6.871	1.000	A	L H	B R
14	Aroclor 1221 - AVE	1.866	1.000	A	H	R
15	Aroclor 1232 (1)	6.046	1.000	A	H	R
16	Aroclor 1232 (2)	6.382	1.000	A	H	R
17	Aroclor 1232 (3)	6.870	1.000	A	H	R
18	Aroclor 1232 (4)	7.084	1.000	A	H	R
19	Aroclor 1232 (5)	7.129	1.000	A	H	R
20	Aroclor 1232 (6)	7.254	1.000	A	H	R
21	Aroclor 1232 - AVE	1.866	1.000	A	H	R
22	Aroclor 1242 (1)	6.383	1.000	A	H	R
23	Aroclor 1242 (2)	6.870	1.000	A	H	R
24	Aroclor 1242 (3)	6.996	1.000	A	H	R
25	Aroclor 1242 (4)	7.084	1.000	A	H	R
26	Aroclor 1242 (5)	7.129	1.000	A	H	R
27	Aroclor 1242 (6)	7.255	1.000	A	H	R
28	Aroclor 1242 - AVE	1.866	1.000	A	H	R
29	Aroclor 1248 (1)	6.843	1.000	A	H	R
30	Aroclor 1248 (2)	7.084	1.000	A	H	R
31	Aroclor 1248 (3)	7.130	1.000	A	H	R
32	Aroclor 1248 (4)	7.255	1.000	A	H	R
33	Aroclor 1248 (5)	7.618	1.000	A	H	R
34	Aroclor 1248 (6)	7.777	1.000	A	H	R
35	Aroclor 1248 - AVE	1.866	1.000	A	H	R
36	Aroclor 1254 (1)	7.596	1.000	A	H	R
37	Aroclor 1254 (2)	7.778	1.000	A	H	R
38	Aroclor 1254 (3)	8.088	1.000	A	H	R
39	Aroclor 1254 (4)	8.326	1.000	A	H	R
40	Aroclor 1254 (5)	8.662	1.000	A	H	R
41	Aroclor 1254 (6)	8.892	1.000	A	H	R
42	Aroclor 1254 - AVE	1.866	1.000	A	H	R
43	Aroclor 1260 (1)	8.225	1.000	A	H	R
44	Aroclor 1260 (2)	8.430	1.000	A	H	R
45	Aroclor 1260 (3)	8.662	1.000	A	H	R
46	Aroclor 1260 (4)	9.153	1.000	A	H	R
47	Aroclor 1260 (5)	9.420	1.000	A	H	R
48	Aroclor 1260 (6)	10.002	1.000	A	H	R
49	Aroclor 1260 - AVE	1.866	1.000	A	H	R
50	Aroclor 1262 (1)	8.430	1.000	A	H	R
51	Aroclor 1262 (2)	8.732	1.000	A	H	R
52	Aroclor 1262 (3)	8.910	1.000	A	H	R
53	Aroclor 1262 (4)	9.153	1.000	A	H	R
54	Aroclor 1262 (5)	9.420	1.000	A	H	R
55	Aroclor 1262 (6)	10.001	1.000	A	H	R
56	Aroclor 1262 - AVE	1.866	1.000	A	H	R

57	Aroclor 1268 (1)	8.953	1.000	A	H	R
58	Aroclor 1268 (2)	9.421	1.000	A	H	R
59	Aroclor 1268 (3)	9.489	1.000	A	H	R
60	Aroclor 1268 (4)	9.710	1.000	A	H	R
61	Aroclor 1268 (5)	10.001	1.000	A	H	R
62	Aroclor 1268 (6)	10.367	1.000	A	H	R
63	Aroclor 1268 - AVE	1.865	1.000	A	H	R
64	S DCBP (S)	10.691	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_200519.M Wed May 20 10:03:16 2020

Element Calibration Review Sheet

Calibration ID: **A0E2004**
Analysis: **8082 PCBs**

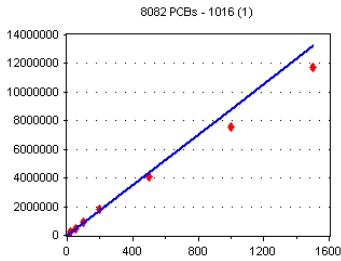
Instrument: **DUALECD2R**

Calibration Date: **05/20/2020**

Instrument Cal ID: **RECD2_QUANTPCB_20051**

1016 (1)

Curve Fit: **AVERAGE RF**

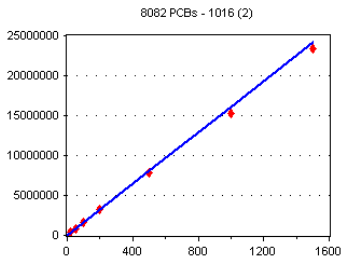


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	212904	10645.200	6.38
0E19027-CAL2	50	469714	9394.280	6.38
0E19027-CAL3	100	901167	9011.670	6.38
0E19027-CAL4	200	1807336	9036.680	6.38
0E19027-CAL5	500	4074796	8149.592	6.38
0E19027-CAL6	1000	7575181	7575.181	6.38
0E19027-CAL7	1500	172434E+07	7816.227	6.38

AVE RF **8804.119** RF RSD **12.05** AVE RT **6.38**

1016 (2)

Curve Fit: **AVERAGE RF**

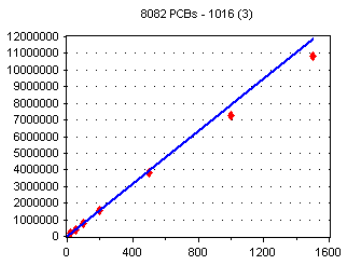


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	360761	18038.050	6.87
0E19027-CAL2	50	779462	15589.240	6.87
0E19027-CAL3	100	1639614	16396.140	6.87
0E19027-CAL4	200	3305278	16526.390	6.87
0E19027-CAL5	500	7793923	15587.850	6.87
0E19027-CAL6	1000	523129E+07	15231.290	6.87
0E19027-CAL7	1500	333624E+07	15557.490	6.87

AVE RF **16132.350** RF RSD **5.98** AVE RT **6.87**

1016 (3)

Curve Fit: **AVERAGE RF**

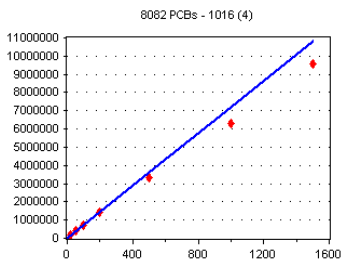


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	186104	9305.200	7.00
0E19027-CAL2	50	420078	8401.560	7.00
0E19027-CAL3	100	767758	7677.580	7.00
0E19027-CAL4	200	1557240	7786.200	7.00
0E19027-CAL5	500	3807879	7615.758	7.00
0E19027-CAL6	1000	7288961	7288.961	7.00
0E19027-CAL7	1500	080651E+07	7204.340	7.00

AVE RF **7897.086** RF RSD **9.29** AVE RT **7.00**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	178635	8931.750	7.09
0E19027-CAL2	50	387264	7745.280	7.08
0E19027-CAL3	100	725206	7252.060	7.09
0E19027-CAL4	200	1420637	7103.185	7.08
0E19027-CAL5	500	3341277	6682.554	7.08
0E19027-CAL6	1000	6315529	6315.529	7.09
0E19027-CAL7	1500	9561396	6374.264	7.09

AVE RF **7200.660** RF RSD **12.73** AVE RT **7.08**

Element Calibration Review Sheet

Calibration ID: **A0E2004**
 Analysis: **8082 PCBs**

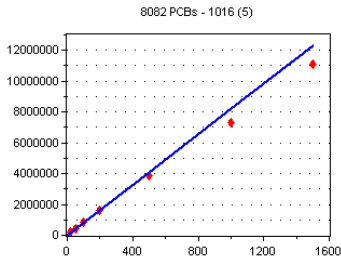
Instrument: **DUALECD2R**

Calibration Date: **05/20/2020**

Instrument Cal ID: **RECD2_QUANTPCB_20051**

1016 (5)

Curve Fit: **AVERAGE RF**

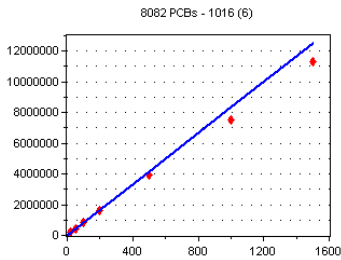


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	197879	9893.950	7.13
0E19027-CAL2	50	424902	8498.040	7.13
0E19027-CAL3	100	851425	8514.250	7.13
0E19027-CAL4	200	1633241	8166.205	7.13
0E19027-CAL5	500	3856405	7712.810	7.13
0E19027-CAL6	1000	7318587	7318.587	7.13
0E19027-CAL7	1500	109336E+07	7395.573	7.13

AVE RF **8214.202** **RF RSD** **10.80** **AVE RT** **7.13**

1016 (6)

Curve Fit: **AVERAGE RF**

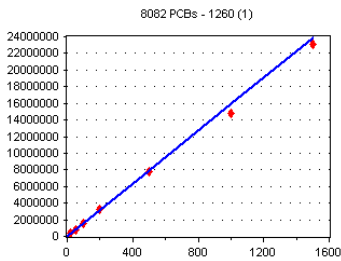


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	204322	10216.100	7.26
0E19027-CAL2	50	432356	8647.120	7.26
0E19027-CAL3	100	846520	8465.200	7.25
0E19027-CAL4	200	1648095	8240.475	7.25
0E19027-CAL5	500	3921780	7843.560	7.25
0E19027-CAL6	1000	7486577	7486.577	7.26
0E19027-CAL7	1500	133734E+07	7558.227	7.25

AVE RF **8351.037** **RF RSD** **11.17** **AVE RT** **7.25**

1260 (1)

Curve Fit: **AVERAGE RF**

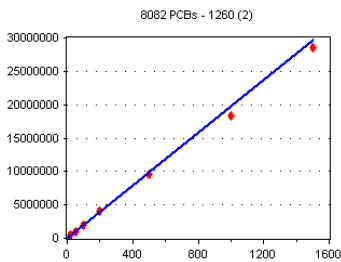


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	363975	18198.750	8.23
0E19027-CAL2	50	798911	15978.220	8.23
0E19027-CAL3	100	1569172	15691.720	8.23
0E19027-CAL4	200	3178836	15894.180	8.23
0E19027-CAL5	500	7827729	15655.460	8.23
0E19027-CAL6	1000	.47592E+07	14759.200	8.23
0E19027-CAL7	1500	311784E+07	15411.890	8.23

AVE RF **15941.350** **RF RSD** **6.74** **AVE RT** **8.23**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	443573	22178.650	8.43
0E19027-CAL2	50	992035	19840.700	8.43
0E19027-CAL3	100	1945006	19450.060	8.43
0E19027-CAL4	200	4066139	20330.700	8.43
0E19027-CAL5	500	9529253	19058.510	8.43
0E19027-CAL6	1000	833272E+07	18332.720	8.43
0E19027-CAL7	1500	854946E+07	19032.970	8.43

AVE RF **19746.330** **RF RSD** **6.32** **AVE RT** **8.43**

Element Calibration Review Sheet

Calibration ID: **A0E2004**
 Analysis: **8082 PCBs**

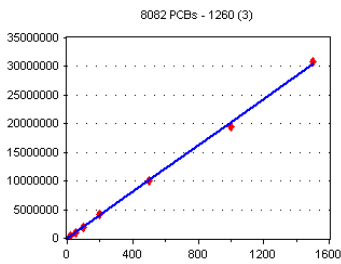
Instrument: **DUALECD2R**

Calibration Date: **05/20/2020**

Instrument Cal ID: **RECD2_QUANTPCB_20051**

1260 (3)

Curve Fit: **AVERAGE RF**

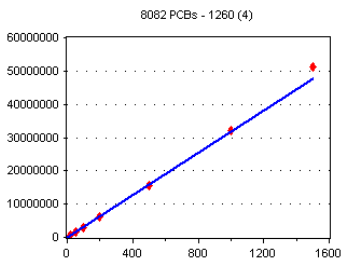


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	431729	21586.450	8.66
0E19027-CAL2	50	988592	19771.840	8.66
0E19027-CAL3	100	1985754	19857.540	8.66
0E19027-CAL4	200	4116433	20582.160	8.66
0E19027-CAL5	500	004764E+07	20095.280	8.66
0E19027-CAL6	1000	957957E+07	19579.570	8.66
0E19027-CAL7	1500	080763E+07	20538.420	8.66

AVE RF **20287.320** **RF RSD** **3.38** **AVE RT** **8.66**

1260 (4)

Curve Fit: **AVERAGE RF**

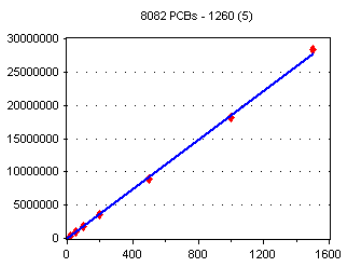


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	665318	33265.900	9.15
0E19027-CAL2	50	1512406	30248.120	9.15
0E19027-CAL3	100	3032024	30320.240	9.15
0E19027-CAL4	200	6289636	31448.180	9.15
0E19027-CAL5	500	572044E+07	31440.880	9.15
0E19027-CAL6	1000	121871E+07	32187.100	9.15
0E19027-CAL7	1500	120116E+07	34134.110	9.15

AVE RF **31863.500** **RF RSD** **4.54** **AVE RT** **9.15**

1260 (5)

Curve Fit: **AVERAGE RF**

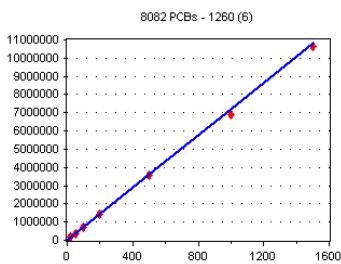


Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	399248	19962.400	9.42
0E19027-CAL2	50	901158	18023.160	9.42
0E19027-CAL3	100	1829122	18291.220	9.42
0E19027-CAL4	200	3636368	18181.840	9.42
0E19027-CAL5	500	8969121	17938.240	9.42
0E19027-CAL6	1000	819167E+07	18191.670	9.42
0E19027-CAL7	1500	831077E+07	18873.850	9.42

AVE RF **18494.630** **RF RSD** **3.86** **AVE RT** **9.42**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0E19027-CAL1	20	158553	7927.650	10.00
0E19027-CAL2	50	353328	7066.560	10.00
0E19027-CAL3	100	709806	7098.060	10.00
0E19027-CAL4	200	1454966	7274.830	10.00
0E19027-CAL5	500	3554771	7109.542	10.00
0E19027-CAL6	1000	6901908	6901.908	10.00
0E19027-CAL7	1500	063131E+07	7087.540	10.00

AVE RF **7209.441** **RF RSD** **4.64** **AVE RT** **10.00**

Element Calibration Review Sheet

Calibration ID: **A0E2004**

Instrument: **DUALECD2R**

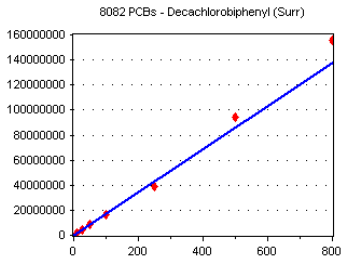
Calibration Date: **05/20/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20051**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0E19027-CAL1	10	1708738	170873.800	10.69
0E19027-CAL2	25	3978087	159123.500	10.69
0E19027-CAL3	50	8235771	164715.400	10.69
0E19027-CAL4	100	671071E+07	167107.100	10.69
0E19027-CAL5	250	905742E+07	156229.700	10.69
0E19027-CAL6	500	405966E+07	188119.300	10.69
0E19027-CAL7	800	552682E+08	194085.200	10.69

AVE RF **171464.900** RF RSD **8.38** AVE RT **10.69**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0E19027

Analysis Included

1311/8082 TCLP PCBs
 608 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 (30g/2mL)
 8082 PCBs + 1262/1268
 8082 PCBs in Trans. Oil - LL

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0E19027-ICB1	Initial Cal Blank	Water	A20E115		5/19/2020 8:17:00AM
0E19027-CAL1	Cal Standard	Water	A19L280	"	5/19/2020 8:34:00AM
0E19027-CAL2	Cal Standard	Water	A19L281	"	5/19/2020 8:52:00AM
0E19027-CAL3	Cal Standard	Water	A19L282	"	5/19/2020 9:09:00AM
0E19027-CAL4	Cal Standard	Water	A19L283	"	5/19/2020 9:27:00AM
0E19027-CAL5	Cal Standard	Water	A19L276	"	5/19/2020 9:45:00AM
0E19027-CAL6	Cal Standard	Water	A19L278	"	5/19/2020 10:02:00AM
0E19027-CAL7	Cal Standard	Water	A19L279	"	5/19/2020 10:20:00AM
0E19027-ICV1	Initial Cal Check	Water	A20B355	"	5/19/2020 10:55:00AM
0E19027-CAL8	Cal Standard	Water	A20C117	"	5/19/2020 11:13:00AM
0E19027-CAL9	Cal Standard	Water	A20B322	"	5/19/2020 11:30:00AM
0E19027-CALA	Cal Standard	Water	A20B323	"	5/19/2020 11:48:00AM
0E19027-CALB	Cal Standard	Water	A20B324	"	5/19/2020 12:06:00PM
0E19027-CALC	Cal Standard	Water	A20B325	"	5/19/2020 12:23:00PM
0E19027-CALD	Cal Standard	Water	A20B326	"	5/19/2020 12:41:00PM
0E19027-CALE	Cal Standard	Water	A20B327	"	5/19/2020 12:59:00PM
0E19027-ICV2	Initial Cal Check	Water	A20B353	"	5/19/2020 1:16:00PM
0E19027-ICV3	Initial Cal Check	Water	A20D351	"	5/19/2020 1:34:00PM
0E19027-ICV4	Initial Cal Check	Water	A20B354	"	5/19/2020 1:51:00PM
0E19027-ICV5	Initial Cal Check	Water	A20B130	"	5/19/2020 2:09:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0E2004**

Instrument: **DUALECD2R**

1311/8082 TCLP PCBs

Sequence: **0E19027**

Matrix: **Water**

0E19027-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	
0E19027-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	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0E19027

0E19027-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	
0E19027-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	
0E19027-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	
0E19027-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	
0E19027-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	
0E19027-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1221	0.0000	0.00	500	0	
0E19027-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1232	0.0000	0.00	500	0	
0E19027-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1242	0.0000	0.00	500	0	
0E19027-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1248	0.0000	0.00	500	0	
0E19027-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
0E19027-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1262	0.0000	0.00	500	0	
0E19027-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
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 quadratic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0E19027

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 option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0E2004** Instrument: **DUALECD2R**

8082 PCBs

Sequence: **0E19027**

Matrix: **Water**

0E19027-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\0E19027\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:17 am
 Operator : MJB / KAK
 Sample : 0E19027-**ICB1**
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

KAK 5/20/2020

Clean

Integration File: events.e
 Quant Time: May 20 10:25:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.710	30314626	98.465 ng/ml
64) S DCBP (S)	10.692	15367144	89.623 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.381	8861	1.006 ng/ml
3) Aroclor 1016 (2)	6.882	11374	0.705 ng/ml
4) Aroclor 1016 (3)	6.998	12125	1.535 ng/ml
5) Aroclor 1016 (4)	7.084	10854	1.507 ng/ml
6) Aroclor 1016 (5)	7.131	11381	1.386 ng/ml
7) Aroclor 1016 (6)	7.255	12242	1.466 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.893	10284	4.544 ng/ml
10) Aroclor 1221 (2)	5.962	7790	3.533 ng/ml
11) Aroclor 1221 (3)	6.017	590728	80.716 ng/ml
12) Aroclor 1221 (4)	6.556	12774	8.541 ng/ml
13) Aroclor 1221 (5)	6.882	11374	9.880 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.017	590728	95.061 ng/ml
16) Aroclor 1232 (2)	6.381	8861	2.412 ng/ml
17) Aroclor 1232 (3)	6.882	11374	1.678 ng/ml
18) Aroclor 1232 (4)	7.084	10854	4.558 ng/ml
19) Aroclor 1232 (5)	7.131	11381	3.826 ng/ml
20) Aroclor 1232 (6)	7.255	12242	3.957 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.381	8861	1.388 ng/ml
23) Aroclor 1242 (2)	6.882	11374	0.981 ng/ml
24) Aroclor 1242 (3)	6.998	12125	2.126 ng/ml
25) Aroclor 1242 (4)	7.084	10854	2.217 ng/ml
26) Aroclor 1242 (5)	7.131	11381	1.982 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:17 am
 Operator : MJB / KAK
 Sample : 0E19027-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:25:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.255	12242	2.060 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.842	11898	1.579 ng/ml
30)	Aroclor 1248 (2)	7.084	10854	1.230 ng/ml
31)	Aroclor 1248 (3)	7.131	11381	1.338 ng/ml
32)	Aroclor 1248 (4)	7.255	12242	1.205 ng/ml
33)	Aroclor 1248 (5)	7.617	10281	0.799 ng/ml
34)	Aroclor 1248 (6)	7.779	52597	4.761 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.595	10258	0.796 ng/ml
37)	Aroclor 1254 (2)	7.779	52597	2.572 ng/ml
38)	Aroclor 1254 (3)	8.084	5803	0.255 ng/ml
39)	Aroclor 1254 (4)	8.340	376847	22.691 ng/ml
40)	Aroclor 1254 (5)	8.661	3650	0.217 ng/ml
41)	Aroclor 1254 (6)	8.887	3665	0.726 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.223	6410	0.402 ng/ml
44)	Aroclor 1260 (2)	8.432	10697	0.542 ng/ml
45)	Aroclor 1260 (3)	8.661	3650	0.180 ng/ml
46)	Aroclor 1260 (4)	9.156	5788	0.182 ng/ml
47)	Aroclor 1260 (5)	9.420	3500	0.189 ng/ml
48)	Aroclor 1260 (6)	9.987	7365	1.022 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.432	10697	0.725 ng/ml
51)	Aroclor 1262 (2)	8.734	3202	0.161 ng/ml
52)	Aroclor 1262 (3)	8.920	37406	2.400 ng/ml
53)	Aroclor 1262 (4)	9.156	5788	0.163 ng/ml
54)	Aroclor 1262 (5)	9.420	3500	0.165 ng/ml
55)	Aroclor 1262 (6)	9.987	7365	0.763 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.976	2366	0.253 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:17 am
 Operator : MJB / KAK
 Sample : 0E19027-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:25:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.420	3500	0.086 ng/ml
59)	Aroclor 1268 (3)	9.493	2397	0.072 ng/ml
60)	Aroclor 1268 (4)	9.711	66661	2.422 ng/ml
61)	Aroclor 1268 (5)	9.987	7365	0.687 ng/ml
62)	Aroclor 1268 (6)	10.370	57153	0.721 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

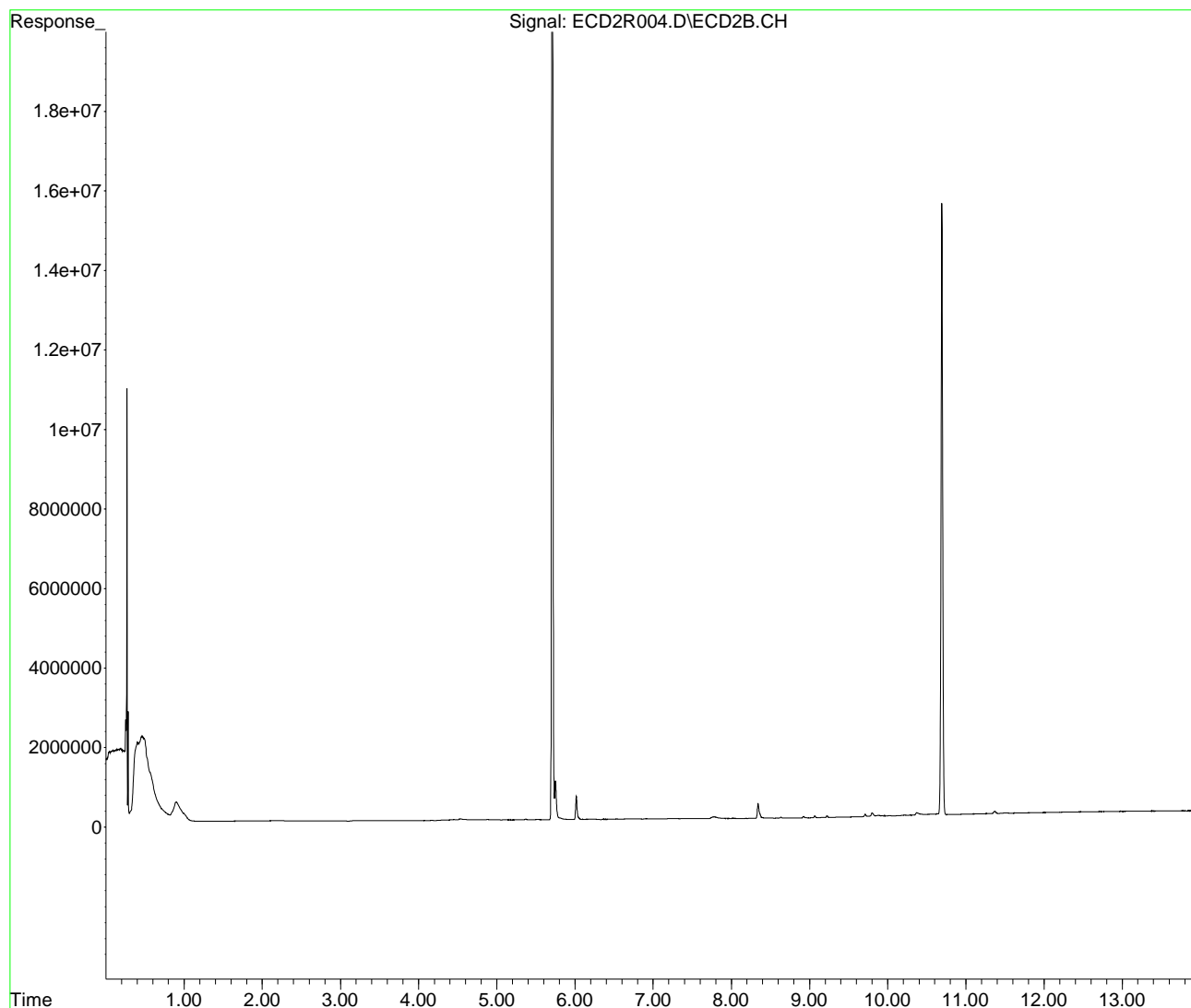
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 8:17 am
Operator : MJB / KAK
Sample : 0E19027-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:25:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:38 am
 Operator : MJB / KAK
 Sample : 0E19027-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

KAK 5/20/2020

Clean/No Carry-over

Integration File: events.e
 Quant Time: May 20 12:42:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:42:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.709	11036	0.036 ng/ml
64) S DCBP (S)	10.694	12552	0.073 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.379	7790	0.885 ng/ml
3) Aroclor 1016 (2)	6.882	14514	0.900 ng/ml
4) Aroclor 1016 (3)	6.998	12884	1.631 ng/ml
5) Aroclor 1016 (4)	7.085	13874	1.927 ng/ml
6) Aroclor 1016 (5)	7.123	13353	1.626 ng/ml
7) Aroclor 1016 (6)	7.254	14450	1.730 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.891	8908	3.936 ng/ml
10) Aroclor 1221 (2)	5.962	6511	2.953 ng/ml
11) Aroclor 1221 (3)	6.044	12456	1.702 ng/ml
12) Aroclor 1221 (4)	6.559	9842	6.581 ng/ml
13) Aroclor 1221 (5)	6.882	14514	12.608 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.044	12456	2.004 ng/ml
16) Aroclor 1232 (2)	6.379	7790	2.121 ng/ml
17) Aroclor 1232 (3)	6.882	14514	2.142 ng/ml
18) Aroclor 1232 (4)	7.085	13874	5.827 ng/ml
19) Aroclor 1232 (5)	7.123	13353	4.488 ng/ml
20) Aroclor 1232 (6)	7.254	14450	4.670 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.379	7790	1.221 ng/ml
23) Aroclor 1242 (2)	6.882	14514	1.252 ng/ml
24) Aroclor 1242 (3)	6.998	12884	2.259 ng/ml
25) Aroclor 1242 (4)	7.085	13874	2.834 ng/ml
26) Aroclor 1242 (5)	7.135	14104	2.456 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:38 am
 Operator : MJB / KAK
 Sample : 0E19027-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

KAK 5/20/2020

Clean/No Carry-over

Integration File: events.e
 Quant Time: May 20 12:42:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:42:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.254	14450	2.431 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.846	13570	1.801 ng/ml
30)	Aroclor 1248 (2)	7.085	13874	1.573 ng/ml
31)	Aroclor 1248 (3)	7.135	14104	1.659 ng/ml
32)	Aroclor 1248 (4)	7.254	14450	1.423 ng/ml
33)	Aroclor 1248 (5)	7.616	12405	0.964 ng/ml
34)	Aroclor 1248 (6)	7.785	44313	4.011 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.597	13082	1.015 ng/ml
37)	Aroclor 1254 (2)	7.785	44313	2.167 ng/ml
38)	Aroclor 1254 (3)	8.088	7055	0.310 ng/ml
39)	Aroclor 1254 (4)	8.343	263257	15.851 ng/ml
40)	Aroclor 1254 (5)	8.662	3985	0.237 ng/ml
41)	Aroclor 1254 (6)	8.893	1949	0.386 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.222	5997	0.376 ng/ml
44)	Aroclor 1260 (2)	8.424	14320	0.725 ng/ml
45)	Aroclor 1260 (3)	8.662	3985	0.196 ng/ml
46)	Aroclor 1260 (4)	9.154	5023	0.158 ng/ml
47)	Aroclor 1260 (5)	9.419	8406	0.454 ng/ml
48)	Aroclor 1260 (6)	10.004	24314	3.372 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.424	14320	0.971 ng/ml
51)	Aroclor 1262 (2)	8.732	3056	0.153 ng/ml
52)	Aroclor 1262 (3)	8.919	34584	2.219 ng/ml
53)	Aroclor 1262 (4)	9.154	5023	0.142 ng/ml
54)	Aroclor 1262 (5)	9.419	8406	0.396 ng/ml
55)	Aroclor 1262 (6)	10.004	24314	2.519 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.970	2688	0.287 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:38 am
 Operator : MJB / KAK
 Sample : 0E19027-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 12:42:15 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:42:28 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.419	8406	0.207 ng/ml
59)	Aroclor 1268 (3)	9.481	8639	0.259 ng/ml
60)	Aroclor 1268 (4)	9.716	15490	0.563 ng/ml
61)	Aroclor 1268 (5)	10.004	24314	2.269 ng/ml
62)	Aroclor 1268 (6)	10.371	4138	0.052 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

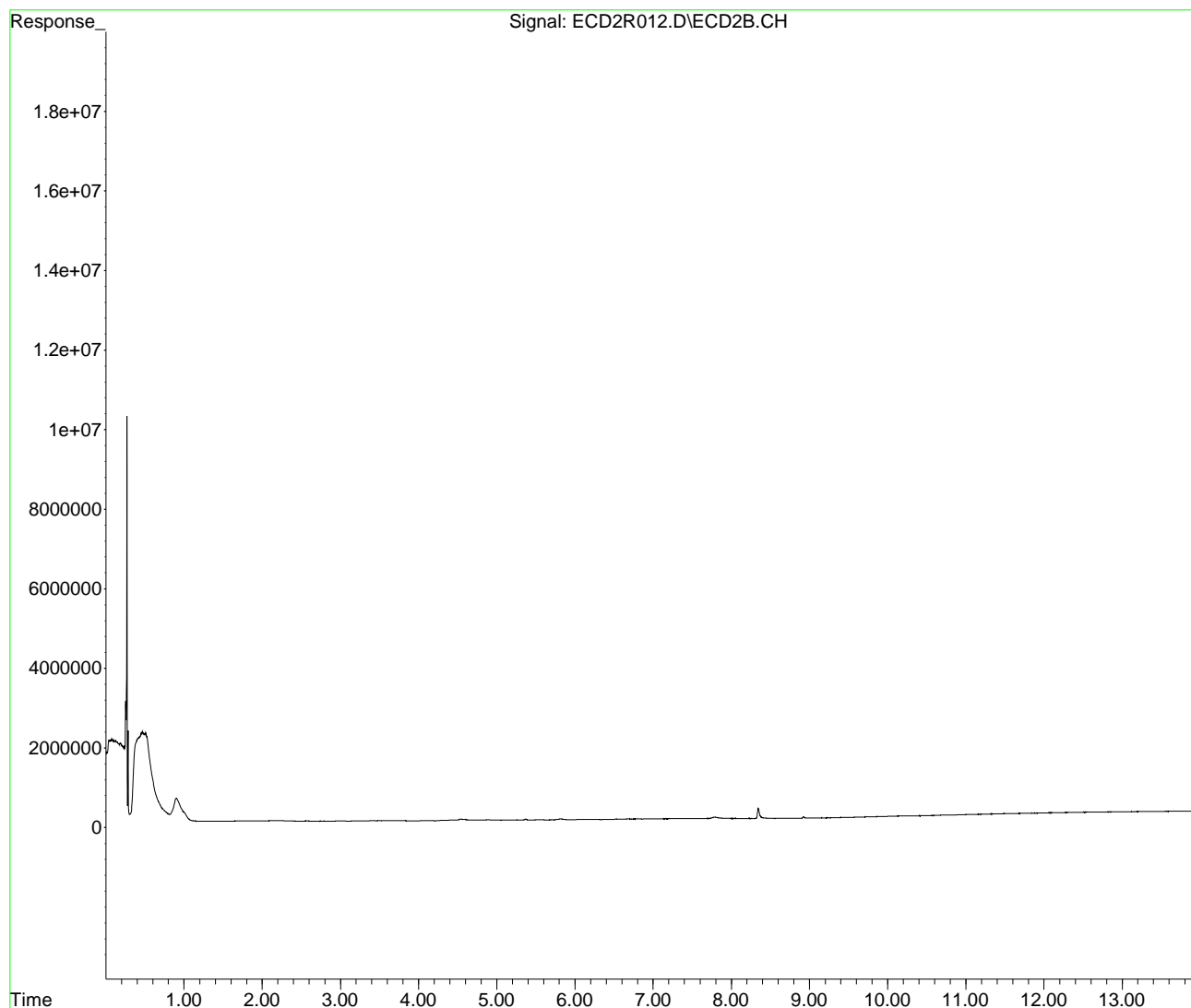
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 10:38 am
Operator : MJB / KAK
Sample : 0E19027-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 12:42:15 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:42:28 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:55 am
 Operator : MJB / KAK
 Sample : 0E19027-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

KAK 5/20/2020

1016, 1260

Integration File: events.e
 Quant Time: May 20 10:26:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.712	65841897	213.860 ng/ml
64) S DCBP (S)	10.691	33290016	194.151 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	4206059	477.738 ng/ml
3) Aroclor 1016 (2)	6.870	8034157	498.015 ng/ml
4) Aroclor 1016 (3)	6.997	3828092	484.747 ng/ml
5) Aroclor 1016 (4)	7.085	3293843	457.436 ng/ml
6) Aroclor 1016 (5)	7.130	3827123	465.915 ng/ml
7) Aroclor 1016 (6)	7.255	3857696	461.942 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.886	290610	128.404 ng/ml
10) Aroclor 1221 (2)	5.959	546120	247.702 ng/ml
11) Aroclor 1221 (3)	6.047	2654980	362.772 ng/ml
12) Aroclor 1221 (4)	6.556	2622749	1753.732 ng/ml
13) Aroclor 1221 (5)	6.870	8034157	6978.918 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.047	2654980	427.245 ng/ml
16) Aroclor 1232 (2)	6.383	4206059	1144.942 ng/ml
17) Aroclor 1232 (3)	6.870	8034157	1185.408 ng/ml
18) Aroclor 1232 (4)	7.085	3293843	1383.365 ng/ml
19) Aroclor 1232 (5)	7.130	3827123	1286.394 ng/ml
20) Aroclor 1232 (6)	7.255	3857696	1246.863 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.383	4206059	659.020 ng/ml
23) Aroclor 1242 (2)	6.870	8034157	692.864 ng/ml
24) Aroclor 1242 (3)	6.997	3828092	671.217 ng/ml
25) Aroclor 1242 (4)	7.085	3293843	672.757 ng/ml
26) Aroclor 1242 (5)	7.130	3827123	666.540 ng/ml

474.299

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:55 am
 Operator : MJB / KAK
 Sample : 0E19027-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:26:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	7.255	3857696	649.066 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.843	6871389	912.183 ng/ml
30) Aroclor 1248 (2)	7.085	3293843	373.420 ng/ml
31) Aroclor 1248 (3)	7.130	3827123	450.068 ng/ml
32) Aroclor 1248 (4)	7.255	3857696	379.764 ng/ml
33) Aroclor 1248 (5)	7.617	807777	62.753 ng/ml
34) Aroclor 1248 (6)	7.778	3570501	323.192 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.597	3112535	241.562 ng/ml
37) Aroclor 1254 (2)	7.778	3570501	174.624 ng/ml
38) Aroclor 1254 (3)	8.088	1977578	86.922 ng/ml
39) Aroclor 1254 (4)	8.328	1226584	73.855 ng/ml
40) Aroclor 1254 (5)	8.663	11648722	693.091 ng/ml
41) Aroclor 1254 (6)	8.884	1412840	279.798 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.225	8382231	525.817 ng/ml
44) Aroclor 1260 (2)	8.431	10434264	528.415 ng/ml
45) Aroclor 1260 (3)	8.663	11648722	574.187 ng/ml
46) Aroclor 1260 (4)	9.153	14956336	469.388 ng/ml
47) Aroclor 1260 (5)	9.419	8821645	476.984 ng/ml
48) Aroclor 1260 (6)	10.002	2769948	384.211 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.431	10434264	707.631 ng/ml
51) Aroclor 1262 (2)	8.733	6159393	309.182 ng/ml
52) Aroclor 1262 (3)	8.911	6817012	437.349 ng/ml
53) Aroclor 1262 (4)	9.153	14956336	421.345 ng/ml
54) Aroclor 1262 (5)	9.419	8821645	415.092 ng/ml
55) Aroclor 1262 (6)	10.002	2769948	286.988 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.953	406129	43.396 ng/ml

493.167

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:55 am
 Operator : MJB / KAK
 Sample : 0E19027-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:26:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.419	8821645	217.183 ng/ml
59)	Aroclor 1268 (3)	9.486	2785418	83.552 ng/ml
60)	Aroclor 1268 (4)	9.710	301377	10.951 ng/ml
61)	Aroclor 1268 (5)	10.002	2769948	258.519 ng/ml
62)	Aroclor 1268 (6)	10.366	796487	10.042 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

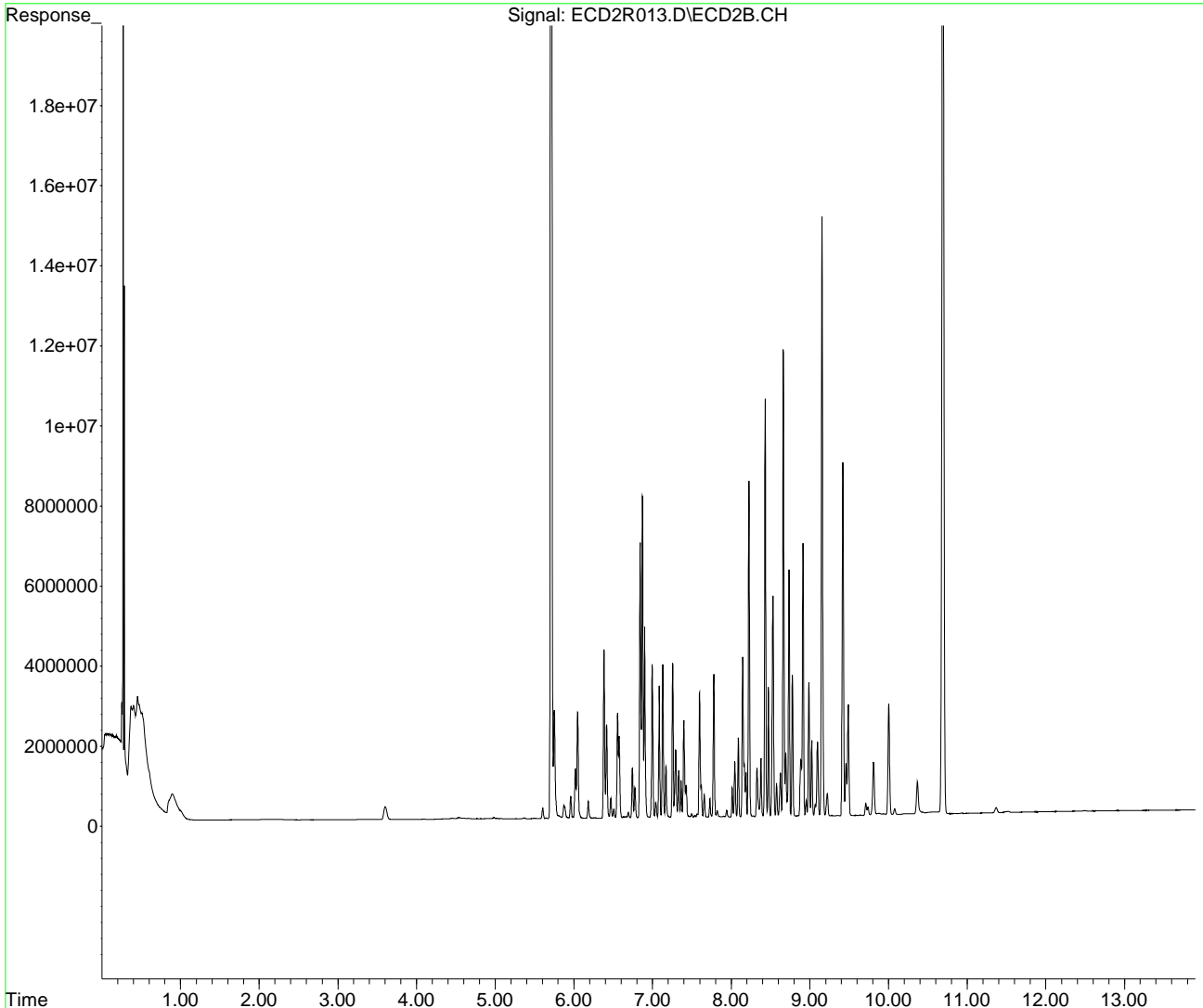
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 10:55 am
Operator : MJB / KAK
Sample : 0E19027-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:26:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:16 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e 1221, 1254
 Quant Time: May 20 10:26:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.710	12056114	39.159 ng/ml
64) S DCBP (S)	10.689	13468739	78.551 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.382	728583	82.755 ng/ml
3) Aroclor 1016 (2)	6.870	1173080	72.716 ng/ml
4) Aroclor 1016 (3)	6.997	571582	72.379 ng/ml
5) Aroclor 1016 (4)	7.084	3802383	528.060 ng/ml
6) Aroclor 1016 (5)	7.129	1370935	166.898 ng/ml
7) Aroclor 1016 (6)	7.254	2559727	306.516 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.887	2093909	925.177 ng/ml
10) Aroclor 1221 (2)	5.959	2088454	947.253 ng/ml
11) Aroclor 1221 (3)	6.045	6827932	932.957 ng/ml
12) Aroclor 1221 (4)	6.556	1409586	942.536 ng/ml
13) Aroclor 1221 (5)	6.870	1173080	1019.003 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.045	6827932	1098.766 ng/ml
16) Aroclor 1232 (2)	6.382	728583	198.329 ng/ml
17) Aroclor 1232 (3)	6.870	1173080	173.083 ng/ml
18) Aroclor 1232 (4)	7.084	3802383	1596.944 ng/ml
19) Aroclor 1232 (5)	7.129	1370935	460.806 ng/ml
20) Aroclor 1232 (6)	7.254	2559727	827.341 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.382	728583	114.157 ng/ml
23) Aroclor 1242 (2)	6.870	1173080	101.166 ng/ml
24) Aroclor 1242 (3)	6.997	571582	100.221 ng/ml
25) Aroclor 1242 (4)	7.084	3802383	776.625 ng/ml
26) Aroclor 1242 (5)	7.129	1370935	238.765 ng/ml

953.385

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:16 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:26:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.254	2559727	430.680	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.842	993187	131.846	ng/ml
30)	Aroclor 1248 (2)	7.084	3802383	431.073	ng/ml
31)	Aroclor 1248 (3)	7.129	1370935	161.221	ng/ml
32)	Aroclor 1248 (4)	7.254	2559727	251.988	ng/ml
33)	Aroclor 1248 (5)	7.618	3841985	298.467	ng/ml
34)	Aroclor 1248 (6)	7.778	9955455	901.140	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.597	6913439	536.548	ng/ml
37)	Aroclor 1254 (2)	7.778	9955455	486.895	ng/ml
38)	Aroclor 1254 (3)	8.088	11017414	484.259	ng/ml
39)	Aroclor 1254 (4)	8.326	8013102	482.487	ng/ml
40)	Aroclor 1254 (5)	8.661	8481881	504.666	ng/ml
41)	Aroclor 1254 (6)	8.891	2425661	480.377	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.225	3903224	244.849	ng/ml
44)	Aroclor 1260 (2)	8.430	4558956	230.876	ng/ml
45)	Aroclor 1260 (3)	8.661	8481881	418.088	ng/ml
46)	Aroclor 1260 (4)	9.152	1340187	42.060	ng/ml
47)	Aroclor 1260 (5)	9.417	1039236	56.191	ng/ml
48)	Aroclor 1260 (6)	10.000	70000	9.709	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.430	4558956	309.179	ng/ml
51)	Aroclor 1262 (2)	8.731	451560	22.667	ng/ml
52)	Aroclor 1262 (3)	8.891	2425661	155.619	ng/ml
53)	Aroclor 1262 (4)	9.152	1340187	37.755	ng/ml
54)	Aroclor 1262 (5)	9.417	1039236	48.900	ng/ml
55)	Aroclor 1262 (6)	10.000	70000	7.253	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.953	50268	5.371	ng/ml

495.872

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:16 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:26:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.417	1039236	25.585 ng/ml
59)	Aroclor 1268 (3)	9.485	77003	2.310 ng/ml
60)	Aroclor 1268 (4)	9.710	55184	2.005 ng/ml
61)	Aroclor 1268 (5)	10.000	70000	6.533 ng/ml
62)	Aroclor 1268 (6)	10.365	60190	0.759 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

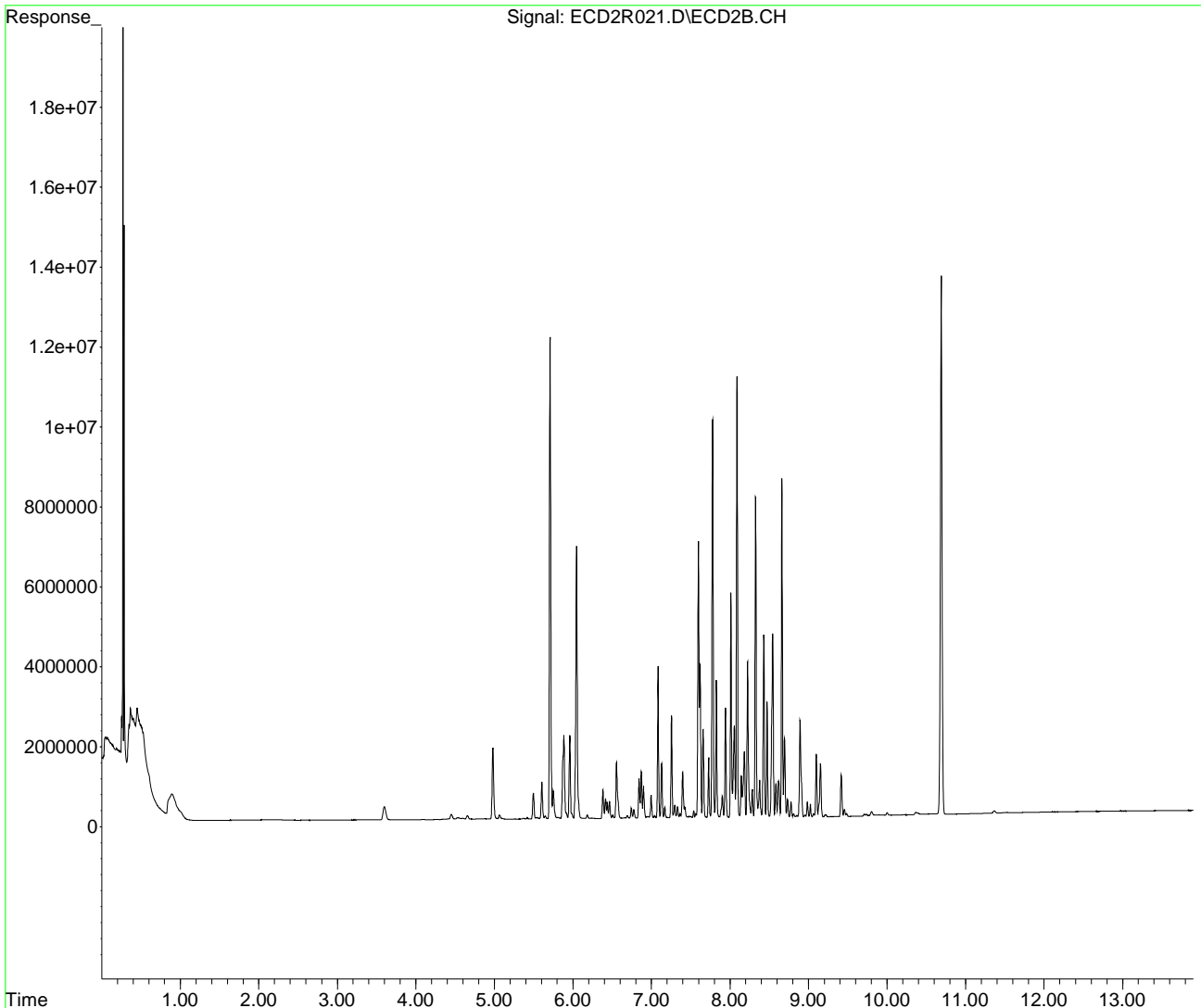
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 1:16 pm
Operator : MJB / KAK
Sample : 0E19027-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:26:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:34 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

KAK 5/20/2020

1232, 1262

Integration File: events.e
 Quant Time: May 20 10:26:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.710	12265277	39.839 ng/ml
64) S DCBP (S)	10.689	13700741	79.904 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.382	1788775	203.175 ng/ml
3) Aroclor 1016 (2)	6.869	3395933	210.505 ng/ml
4) Aroclor 1016 (3)	6.997	1669208	211.370 ng/ml
5) Aroclor 1016 (4)	7.084	1323985	183.870 ng/ml
6) Aroclor 1016 (5)	7.129	1506572	183.411 ng/ml
7) Aroclor 1016 (6)	7.254	1591369	190.559 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.886	700389	309.461 ng/ml
10) Aroclor 1221 (2)	5.959	807401	366.211 ng/ml
11) Aroclor 1221 (3)	6.046	2950037	403.088 ng/ml
12) Aroclor 1221 (4)	6.556	1392069	930.824 ng/ml
13) Aroclor 1221 (5)	6.869	3395933	2949.898 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.046	2950037	474.727 ng/ml
16) Aroclor 1232 (2)	6.382	1788775	486.927 ng/ml
17) Aroclor 1232 (3)	6.869	3395933	501.057 ng/ml
18) Aroclor 1232 (4)	7.084	1323985	556.054 ng/ml
19) Aroclor 1232 (5)	7.129	1506572	506.397 ng/ml
20) Aroclor 1232 (6)	7.254	1591369	514.354 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.382	1788775	280.271 ng/ml
23) Aroclor 1242 (2)	6.869	3395933	292.865 ng/ml
24) Aroclor 1242 (3)	6.997	1669208	292.678 ng/ml
25) Aroclor 1242 (4)	7.084	1323985	270.420 ng/ml
26) Aroclor 1242 (5)	7.129	1506572	262.388 ng/ml

506.586

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:34 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:26:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units
27) Aroclor 1242 (6)	7.254	1591369	267.751 ng/ml
28) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29) Aroclor 1248 (1)	6.842	2802952	372.094 ng/ml
30) Aroclor 1248 (2)	7.084	1323985	150.099 ng/ml
31) Aroclor 1248 (3)	7.129	1506572	177.172 ng/ml
32) Aroclor 1248 (4)	7.254	1591369	156.660 ng/ml
33) Aroclor 1248 (5)	7.617	1858292	144.363 ng/ml
34) Aroclor 1248 (6)	7.776	2408521	218.013 ng/ml
35) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36) Aroclor 1254 (1)	7.598	2012016	156.151 ng/ml
37) Aroclor 1254 (2)	7.776	2408521	117.794 ng/ml
38) Aroclor 1254 (3)	8.087	983036	43.208 ng/ml
39) Aroclor 1254 (4)	8.326	749686	45.140 ng/ml
40) Aroclor 1254 (5)	8.663	5750596	342.156 ng/ml
41) Aroclor 1254 (6)	8.879	1885417	373.387 ng/ml
42) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43) Aroclor 1260 (1)	8.224	6076276	381.165 ng/ml
44) Aroclor 1260 (2)	8.429	7581259	383.933 ng/ml
45) Aroclor 1260 (3)	8.663	5750596	283.458 ng/ml
46) Aroclor 1260 (4)	9.152	17785866	558.189 ng/ml
47) Aroclor 1260 (5)	9.420	10011807	541.336 ng/ml
48) Aroclor 1260 (6)	10.001	4732224	656.393 ng/ml
49) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50) Aroclor 1262 (1)	8.429	7581259	514.146 ng/ml
51) Aroclor 1262 (2)	8.732	10072307	505.598 ng/ml
52) Aroclor 1262 (3)	8.910	8395034	538.588 ng/ml
53) Aroclor 1262 (4)	9.152	17785866	501.057 ng/ml
54) Aroclor 1262 (5)	9.420	10011807	471.093 ng/ml
55) Aroclor 1262 (6)	10.001	4732224	490.295 ng/ml
56) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57) Aroclor 1268 (1)	8.952	1049150	112.105 ng/ml

503.463

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:34 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:26:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.420	10011807	246.484 ng/ml
59)	Aroclor 1268 (3)	9.486	5731924	171.935 ng/ml
60)	Aroclor 1268 (4)	9.708	410804	14.927 ng/ml
61)	Aroclor 1268 (5)	10.001	4732224	441.658 ng/ml
62)	Aroclor 1268 (6)	10.363	1437151	18.120 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

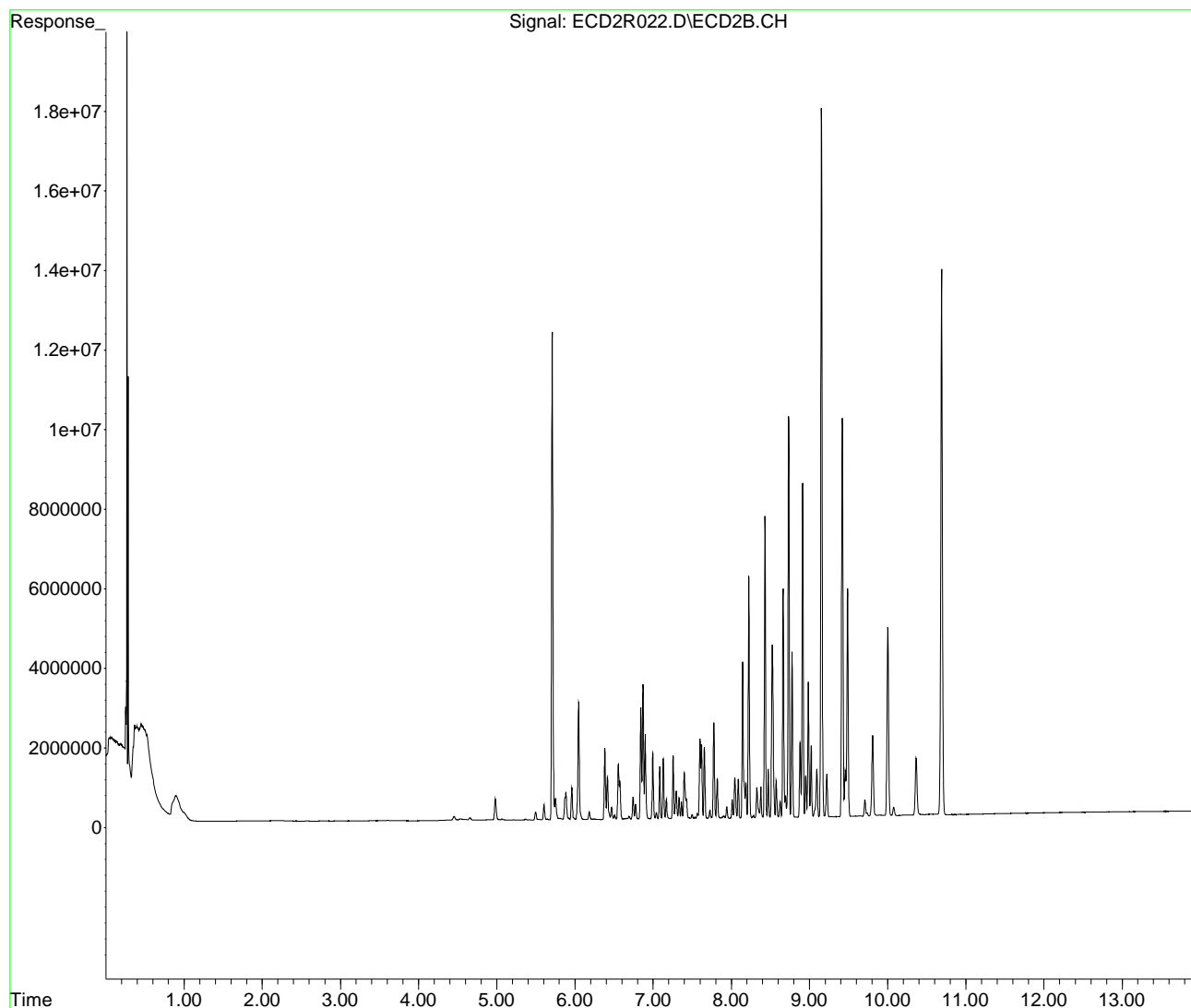
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 1:34 pm
Operator : MJB / KAK
Sample : 0E19027-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:26:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:51 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

KAK 5/20/2020

1242, 1268

Integration File: events.e
 Quant Time: May 20 10:27:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.711	13066876	42.442 ng/ml
64) S DCBP (S)	10.690	6590991	38.439 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	3473104	394.486 ng/ml
3) Aroclor 1016 (2)	6.870	6651057	412.281 ng/ml
4) Aroclor 1016 (3)	6.997	3156249	399.672 ng/ml
5) Aroclor 1016 (4)	7.084	2614435	363.083 ng/ml
6) Aroclor 1016 (5)	7.129	3181886	387.364 ng/ml
7) Aroclor 1016 (6)	7.254	3379066	404.628 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.886	256886	113.503 ng/ml
10) Aroclor 1221 (2)	5.959	500556	227.036 ng/ml
11) Aroclor 1221 (3)	6.046	2331807	318.614 ng/ml
12) Aroclor 1221 (4)	6.556	2270047	1517.894 ng/ml
13) Aroclor 1221 (5)	6.870	6651057	5777.480 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.046	2331807	375.240 ng/ml
16) Aroclor 1232 (2)	6.383	3473104	945.422 ng/ml
17) Aroclor 1232 (3)	6.870	6651057	981.337 ng/ml
18) Aroclor 1232 (4)	7.084	2614435	1098.024 ng/ml
19) Aroclor 1232 (5)	7.129	3181886	1069.514 ng/ml
20) Aroclor 1232 (6)	7.254	3379066	1092.163 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.383	3473104	544.178 ng/ml
23) Aroclor 1242 (2)	6.870	6651057	573.586 ng/ml
24) Aroclor 1242 (3)	6.997	3156249	553.416 ng/ml
25) Aroclor 1242 (4)	7.084	2614435	533.990 ng/ml
26) Aroclor 1242 (5)	7.129	3181886	554.164 ng/ml

554.645

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:51 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:27:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.254	3379066	568.535 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.842	5565056	738.766 ng/ml
30)	Aroclor 1248 (2)	7.084	2614435	296.396 ng/ml
31)	Aroclor 1248 (3)	7.129	3181886	374.189 ng/ml
32)	Aroclor 1248 (4)	7.254	3379066	332.646 ng/ml
33)	Aroclor 1248 (5)	7.617	3793991	294.739 ng/ml
34)	Aroclor 1248 (6)	7.775	2929134	265.137 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.601	2603725	202.073 ng/ml
37)	Aroclor 1254 (2)	7.775	2929134	143.256 ng/ml
38)	Aroclor 1254 (3)	8.088	1067277	46.911 ng/ml
39)	Aroclor 1254 (4)	8.326	811856	48.884 ng/ml
40)	Aroclor 1254 (5)	8.664	201369	11.981 ng/ml
41)	Aroclor 1254 (6)	8.880	192244	38.072 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.225	89998	5.646 ng/ml
44)	Aroclor 1260 (2)	8.427	160082	8.107 ng/ml
45)	Aroclor 1260 (3)	8.664	201369	9.926 ng/ml
46)	Aroclor 1260 (4)	9.152	2172415	68.179 ng/ml
47)	Aroclor 1260 (5)	9.421	21793546	1178.372 ng/ml
48)	Aroclor 1260 (6)	10.000	5807315	805.515 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.427	160082	10.856 ng/ml
51)	Aroclor 1262 (2)	8.733	4041745	202.883 ng/ml
52)	Aroclor 1262 (3)	8.910	321066	20.598 ng/ml
53)	Aroclor 1262 (4)	9.152	2172415	61.201 ng/ml
54)	Aroclor 1262 (5)	9.421	21793546	1025.469 ng/ml
55)	Aroclor 1262 (6)	10.000	5807315	601.683 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.952	4881342	521.585 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 1:51 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:27:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units	
58)	Aroclor 1268 (2)	9.421	21793546	536.542 ng/ml	
59)	Aroclor 1268 (3)	9.489	17201431	515.976 ng/ml	
60)	Aroclor 1268 (4)	9.709	14142894	513.882 ng/ml	522.578
61)	Aroclor 1268 (5)	10.000	5807315	541.996 ng/ml	
62)	Aroclor 1268 (6)	10.366	40091206	505.488 ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml	

(f)=RT Delta > 1/2 Window

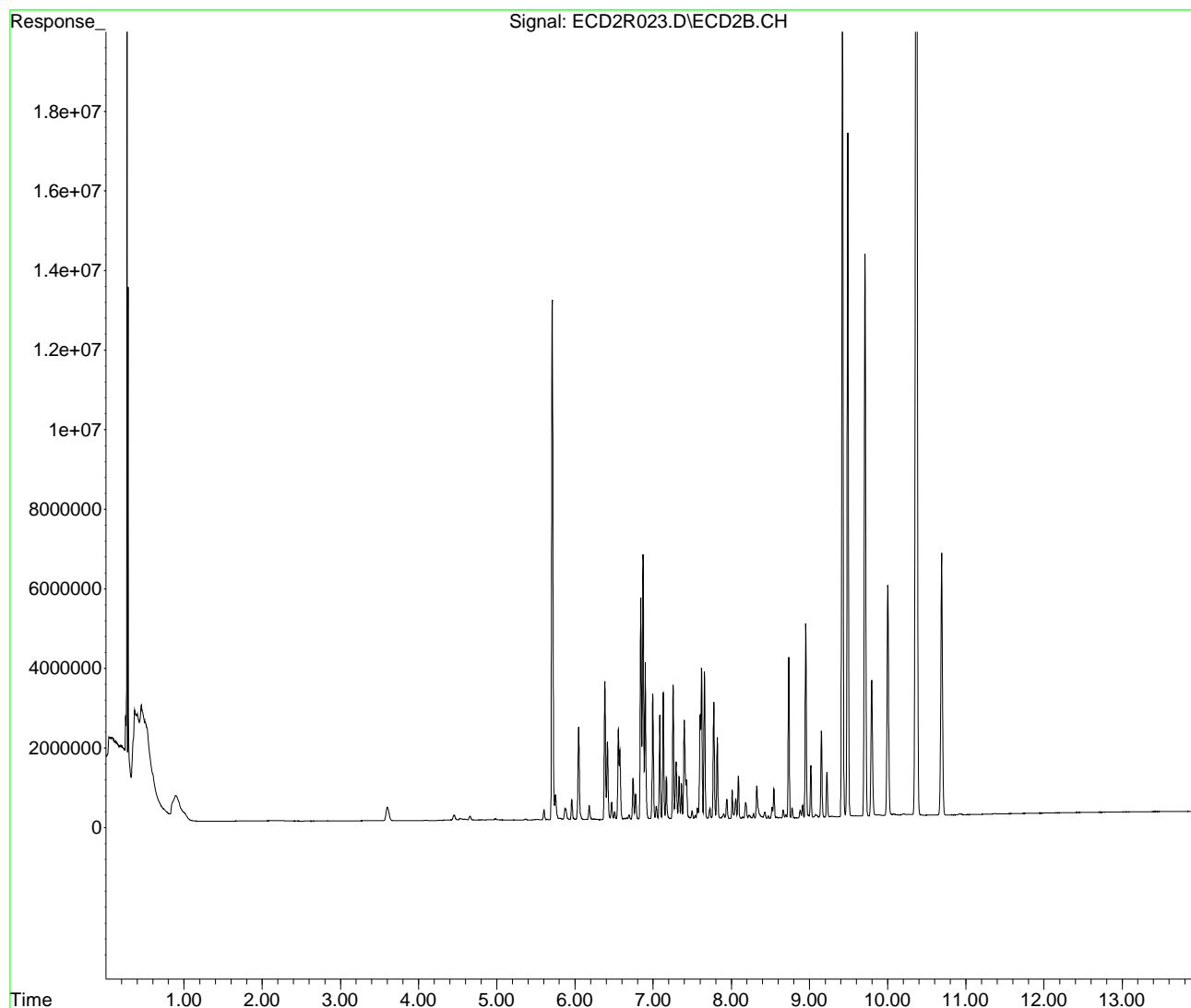
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 1:51 pm
Operator : MJB / KAK
Sample : 0E19027-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:27:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 2:09 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e 1248
 Quant Time: May 20 10:27:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.709	4500	0.015 ng/ml
64) S DCBP (S)	10.692	11598	0.068 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.382	1728305	196.306 ng/ml
3) Aroclor 1016 (2)	6.868	3437330	213.071 ng/ml
4) Aroclor 1016 (3)	6.994	1762610	223.197 ng/ml
5) Aroclor 1016 (4)	7.083	4594439	638.058 ng/ml
6) Aroclor 1016 (5)	7.129	4522324	550.549 ng/ml
7) Aroclor 1016 (6)	7.253	5247507	628.366 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.886	27872	12.315 ng/ml
10) Aroclor 1221 (2)	5.958	45117	20.464 ng/ml
11) Aroclor 1221 (3)	6.045	260523	35.597 ng/ml
12) Aroclor 1221 (4)	6.555	720235	481.593 ng/ml
13) Aroclor 1221 (5)	6.868	3437330	2985.857 ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	6.045	260523	41.924 ng/ml
16) Aroclor 1232 (2)	6.382	1728305	470.466 ng/ml
17) Aroclor 1232 (3)	6.868	3437330	507.164 ng/ml
18) Aroclor 1232 (4)	7.083	4594439	1929.596 ng/ml
19) Aroclor 1232 (5)	7.129	4522324	1520.069 ng/ml
20) Aroclor 1232 (6)	7.253	5247507	1696.070 ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	6.382	1728305	270.797 ng/ml
23) Aroclor 1242 (2)	6.868	3437330	296.435 ng/ml
24) Aroclor 1242 (3)	6.994	1762610	309.056 ng/ml
25) Aroclor 1242 (4)	7.083	4594439	938.400 ng/ml
26) Aroclor 1242 (5)	7.129	4522324	787.618 ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 2:09 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:27:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.253	5247507	882.904	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.842	3615945	480.020	ng/ml
30)	Aroclor 1248 (2)	7.083	4594439	520.868	ng/ml
31)	Aroclor 1248 (3)	7.129	4522324	531.824	ng/ml
32)	Aroclor 1248 (4)	7.253	5247507	516.582	ng/ml
33)	Aroclor 1248 (5)	7.618	6666942	517.926	ng/ml
34)	Aroclor 1248 (6)	7.776	5917449	535.631	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.600	4928536	382.500	ng/ml
37)	Aroclor 1254 (2)	7.776	5917449	289.407	ng/ml
38)	Aroclor 1254 (3)	8.087	3373693	148.287	ng/ml
39)	Aroclor 1254 (4)	8.325	2407227	144.944	ng/ml
40)	Aroclor 1254 (5)	8.660	524327	31.197	ng/ml
41)	Aroclor 1254 (6)	8.890	190024	37.632	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.224	288378	18.090	ng/ml
44)	Aroclor 1260 (2)	8.426	387347	19.616	ng/ml
45)	Aroclor 1260 (3)	8.660	524327	25.845	ng/ml
46)	Aroclor 1260 (4)	9.151	96769	3.037	ng/ml
47)	Aroclor 1260 (5)	9.418	69510	3.758	ng/ml
48)	Aroclor 1260 (6)	10.000	38381	5.324	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.426	387347	26.269	ng/ml
51)	Aroclor 1262 (2)	8.731	38881	1.952	ng/ml
52)	Aroclor 1262 (3)	8.890	190024	12.191	ng/ml
53)	Aroclor 1262 (4)	9.151	96769	2.726	ng/ml
54)	Aroclor 1262 (5)	9.418	69510	3.271	ng/ml
55)	Aroclor 1262 (6)	10.000	38381	3.977	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.955	5881	0.628	ng/ml

517.142

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R024.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 2:09 pm
 Operator : MJB / KAK
 Sample : 0E19027-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:27:30 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.418	69510	1.711 ng/ml
59)	Aroclor 1268 (3)	9.485	25450	0.763 ng/ml
60)	Aroclor 1268 (4)	9.708	14819	0.538 ng/ml
61)	Aroclor 1268 (5)	10.000	38381	3.582 ng/ml
62)	Aroclor 1268 (6)	10.367	10150	0.128 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

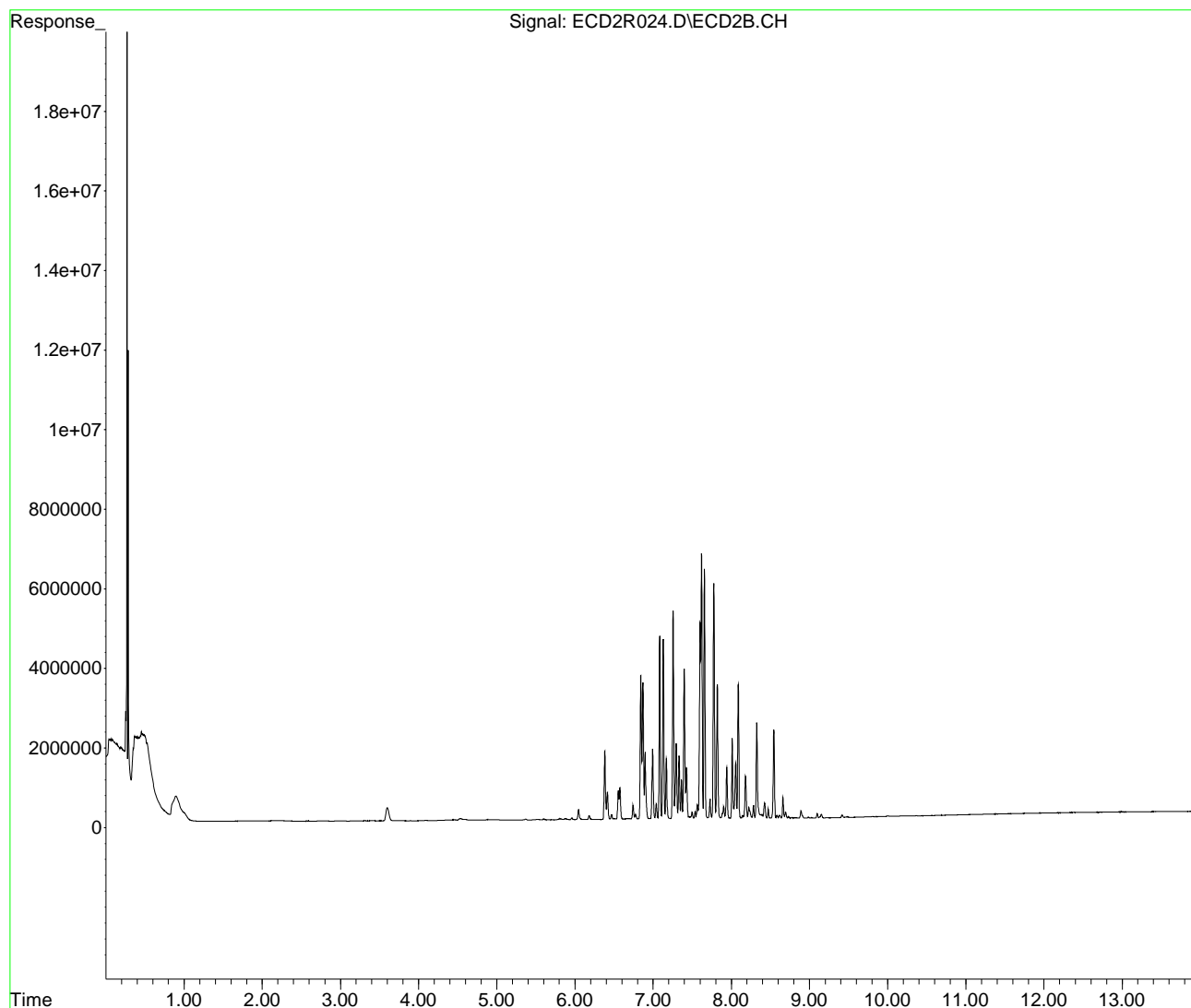
(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R024.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 2:09 pm
Operator : MJB / KAK
Sample : 0E19027-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:27:30 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:13:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.711	3221692	10.464 ng/ml	
64) S DCBP (S)	10.692	1708738	9.966 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.383	212904	24.182 ng/ml	
3) Aroclor 1016 (2)	6.870	360761	22.363 ng/ml	
4) Aroclor 1016 (3)	6.997	186104	23.566 ng/ml	
5) Aroclor 1016 (4)	7.085	178635	24.808 ng/ml	✓
6) Aroclor 1016 (5)	7.130	197879	24.090 ng/ml	
7) Aroclor 1016 (6)	7.255	204322	24.467 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)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:13:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.226	363975	22.832	ng/ml
44)	Aroclor 1260 (2)	8.431	443573	22.464	ng/ml
45)	Aroclor 1260 (3)	8.664	431729	21.281	ng/ml
46)	Aroclor 1260 (4)	9.154	665318	20.880	ng/ml
47)	Aroclor 1260 (5)	9.421	399248	21.587	ng/ml
48)	Aroclor 1260 (6)	10.004	158553	21.992	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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:13:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

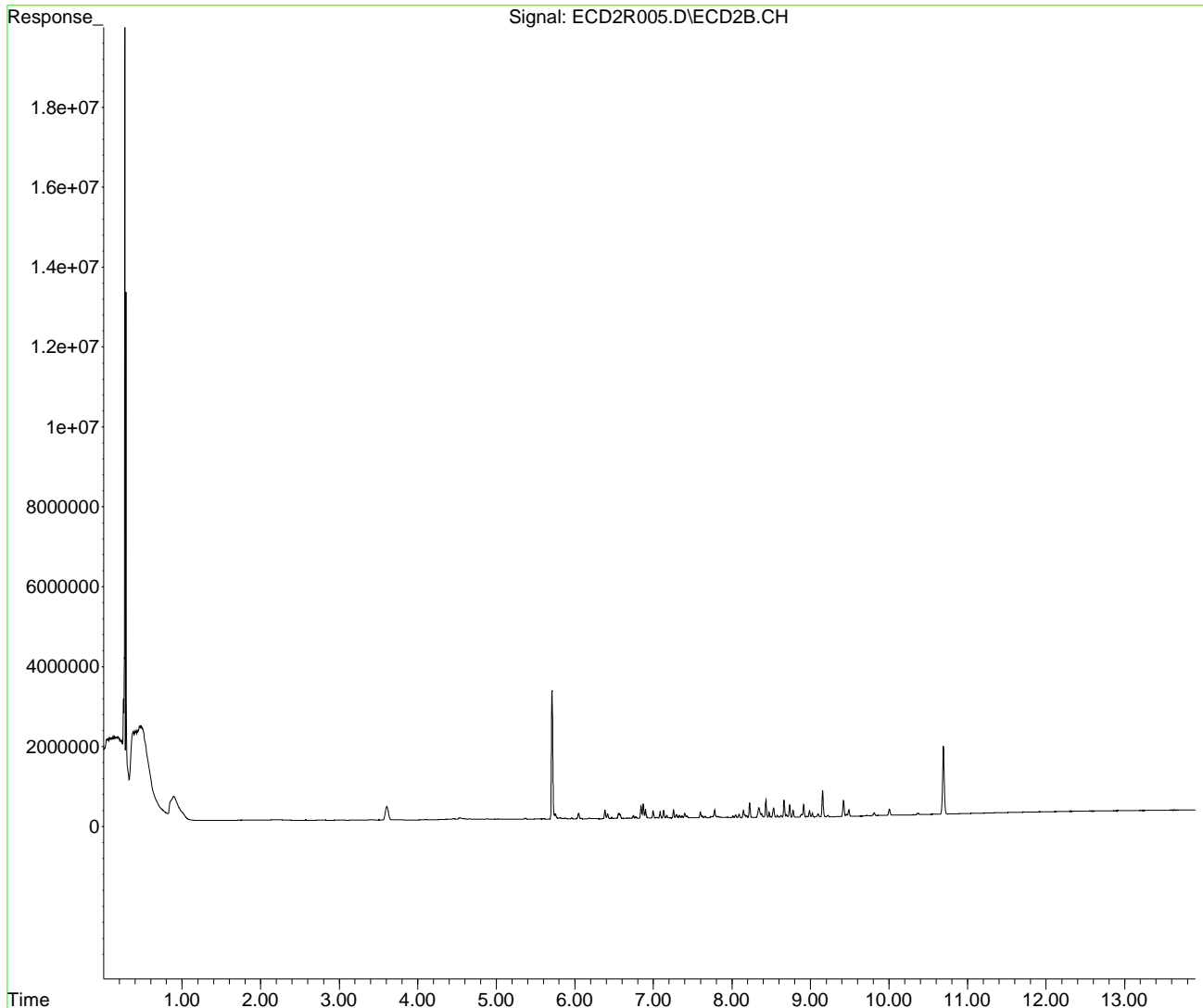
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 8:34 am
Operator : MJB / KAK
Sample : 0E19027-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:13:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:52 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:15:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.710	7675487	24.931 ng/ml	
64) S DCBP (S)	10.689	3978087	23.201 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.383	469714	53.352 ng/ml	
3) Aroclor 1016 (2)	6.870	779462	48.317 ng/ml	
4) Aroclor 1016 (3)	6.997	420078	53.194 ng/ml	
5) Aroclor 1016 (4)	7.084	387264	53.782 ng/ml	✓
6) Aroclor 1016 (5)	7.130	424902	51.728 ng/ml	
7) Aroclor 1016 (6)	7.255	432356	51.773 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)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:52 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:15:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.225	798911	50.116	ng/ml
44)	Aroclor 1260 (2)	8.431	992035	50.239	ng/ml
45)	Aroclor 1260 (3)	8.663	988592	48.730	ng/ml
46)	Aroclor 1260 (4)	9.153	1512406	47.465	ng/ml
47)	Aroclor 1260 (5)	9.419	901158	48.725	ng/ml
48)	Aroclor 1260 (6)	10.001	353328	49.009	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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:52 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:15:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

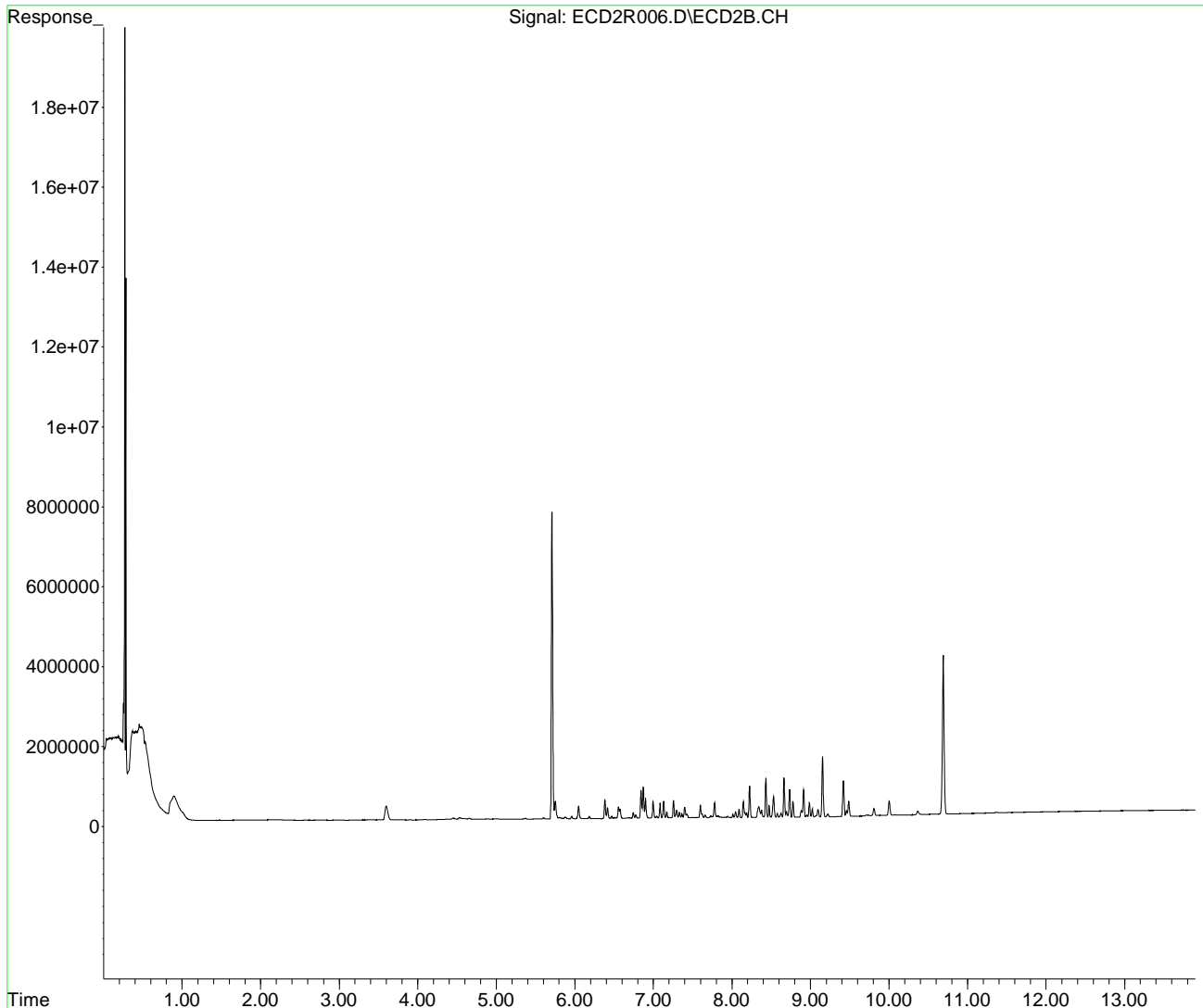
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 8:52 am
Operator : MJB / KAK
Sample : 0E19027-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:15:19 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:16:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.710	15169033	49.270 ng/ml	
64) S DCBP (S)	10.690	8235771	48.032 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.383	901167	102.357 ng/ml	
3) Aroclor 1016 (2)	6.870	1639614	101.635 ng/ml	
4) Aroclor 1016 (3)	6.997	767758	97.220 ng/ml	
5) Aroclor 1016 (4)	7.085	725206	100.714 ng/ml	✓
6) Aroclor 1016 (5)	7.129	851425	103.653 ng/ml	
7) Aroclor 1016 (6)	7.254	846520	101.367 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)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:16:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.225	1569172	98.434	ng/ml
44)	Aroclor 1260 (2)	8.430	1945006	98.500	ng/ml
45)	Aroclor 1260 (3)	8.662	1985754	97.882	ng/ml
46)	Aroclor 1260 (4)	9.153	3032024	95.157	ng/ml
47)	Aroclor 1260 (5)	9.419	1829122	98.900	ng/ml
48)	Aroclor 1260 (6)	10.001	709806	98.455	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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:16:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

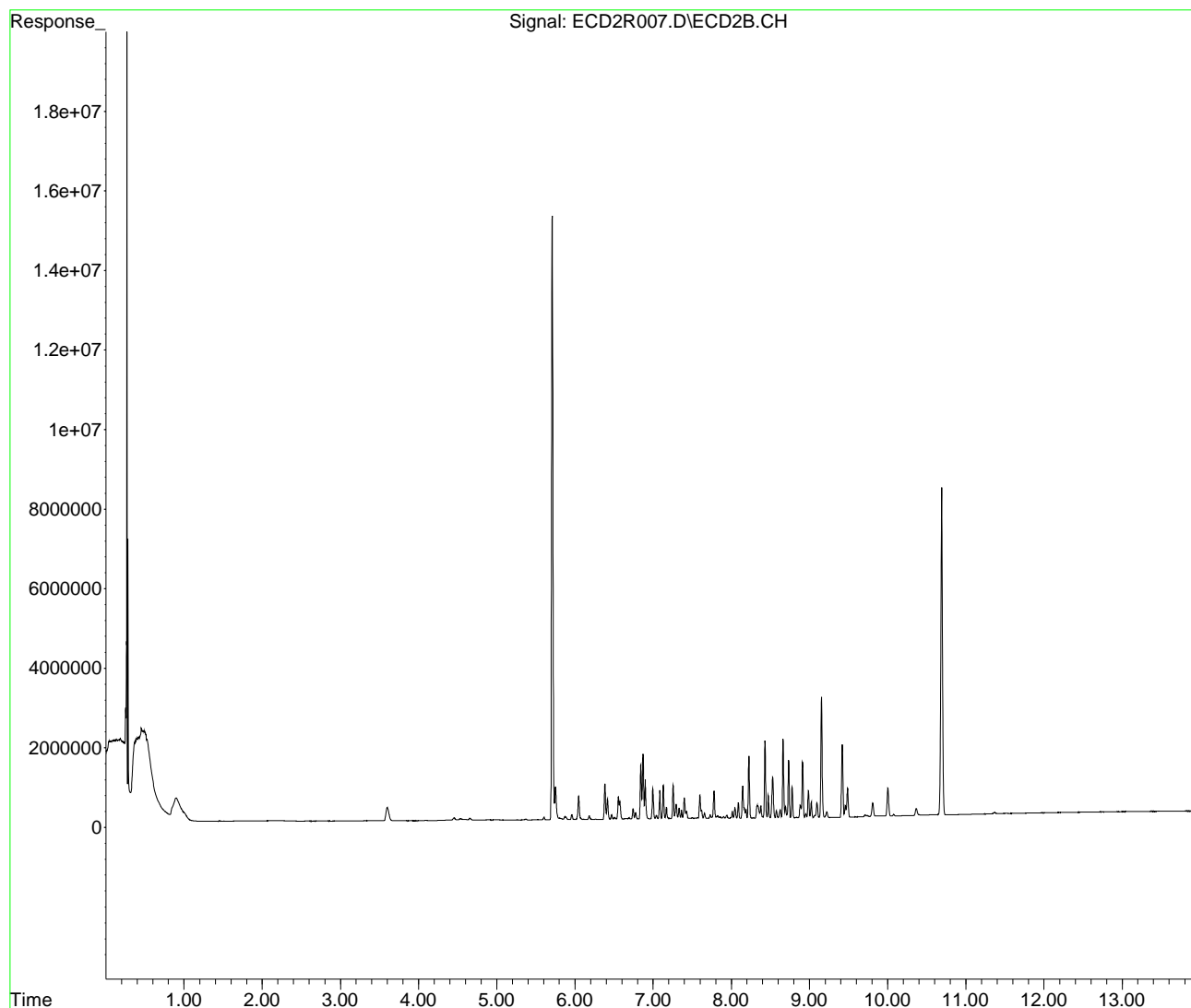
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 9:09 am
Operator : MJB / KAK
Sample : 0E19027-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:16:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:27 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:18:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.711	32862781	106.741 ng/ml	✓
64) S DCBP (S)	10.690	16710707	97.459 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.382	1807336	205.283 ng/ml	
3) Aroclor 1016 (2)	6.870	3305278	204.885 ng/ml	
4) Aroclor 1016 (3)	6.996	1557240	197.192 ng/ml	
5) Aroclor 1016 (4)	7.084	1420637	197.293 ng/ml	✓
6) Aroclor 1016 (5)	7.129	1633241	198.831 ng/ml	
7) Aroclor 1016 (6)	7.254	1648095	197.352 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)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:27 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:18:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.225	3178836	199.408	ng/ml
44)	Aroclor 1260 (2)	8.431	4066139	205.919	ng/ml
45)	Aroclor 1260 (3)	8.663	4116433	202.907	ng/ml
46)	Aroclor 1260 (4)	9.153	6289636	197.393	ng/ml
47)	Aroclor 1260 (5)	9.419	3636368	196.618	ng/ml
48)	Aroclor 1260 (6)	10.002	1454966	201.814	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:27 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:18:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

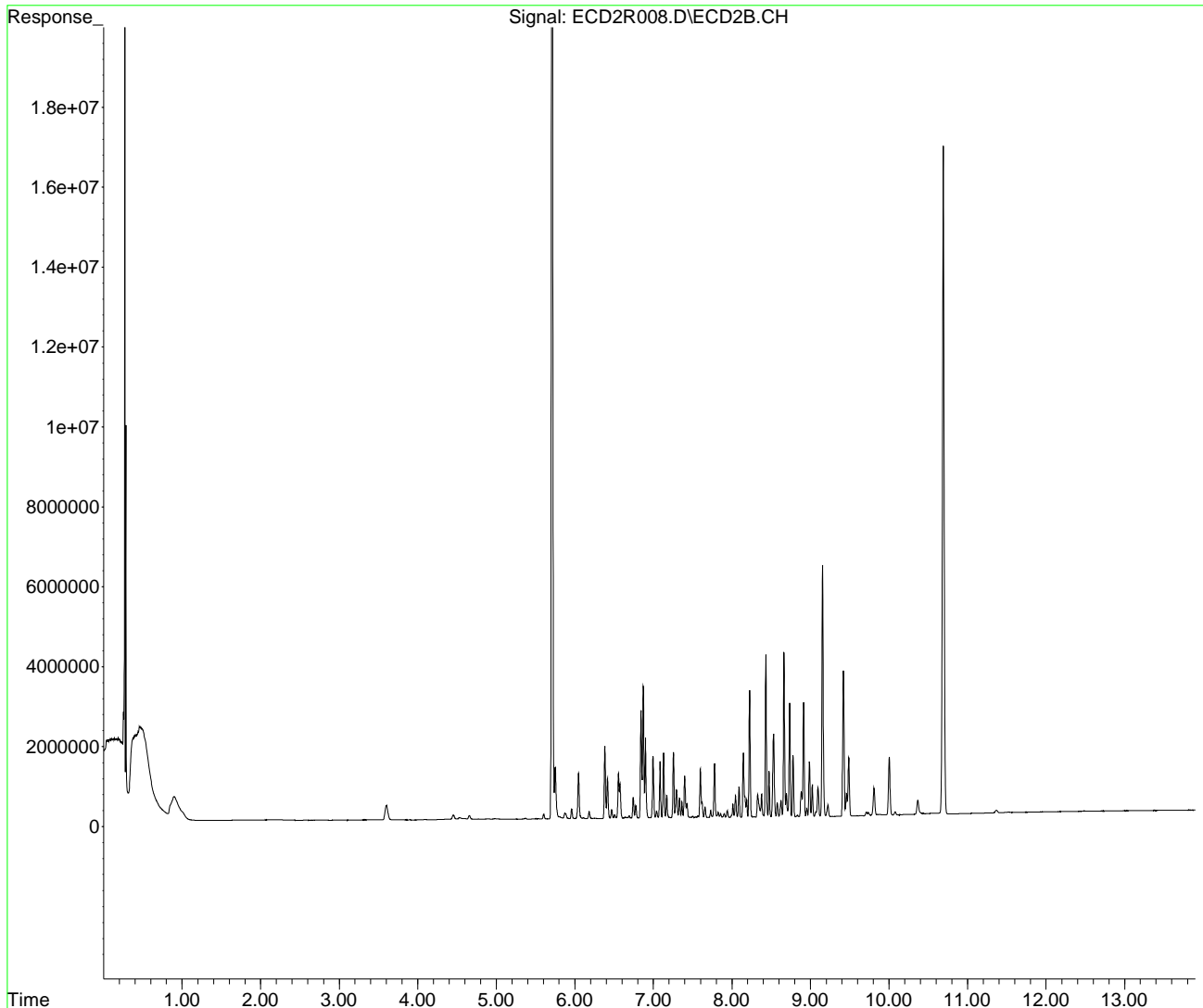
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 9:27 am
Operator : MJB / KAK
Sample : 0E19027-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:18:20 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:45 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:19:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.712	75038705	243.733 ng/ml	
64) S DCBP (S)	10.691	39057425	227.787 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.383	4074796	462.828 ng/ml	
3) Aroclor 1016 (2)	6.870	7793923	483.124 ng/ml	
4) Aroclor 1016 (3)	6.997	3807879	482.188 ng/ml	
5) Aroclor 1016 (4)	7.084	3341277	464.024 ng/ml	✓
6) Aroclor 1016 (5)	7.129	3856405	469.480 ng/ml	
7) Aroclor 1016 (6)	7.254	3921780	469.616 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)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:45 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:19:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.225	7827729	491.033	ng/ml
44)	Aroclor 1260 (2)	8.430	9529253	482.583	ng/ml
45)	Aroclor 1260 (3)	8.663	10047636	495.267	ng/ml
46)	Aroclor 1260 (4)	9.153	15720441	493.368	ng/ml
47)	Aroclor 1260 (5)	9.420	8969121	484.958	ng/ml
48)	Aroclor 1260 (6)	10.002	3554771	493.072	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:45 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:19:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

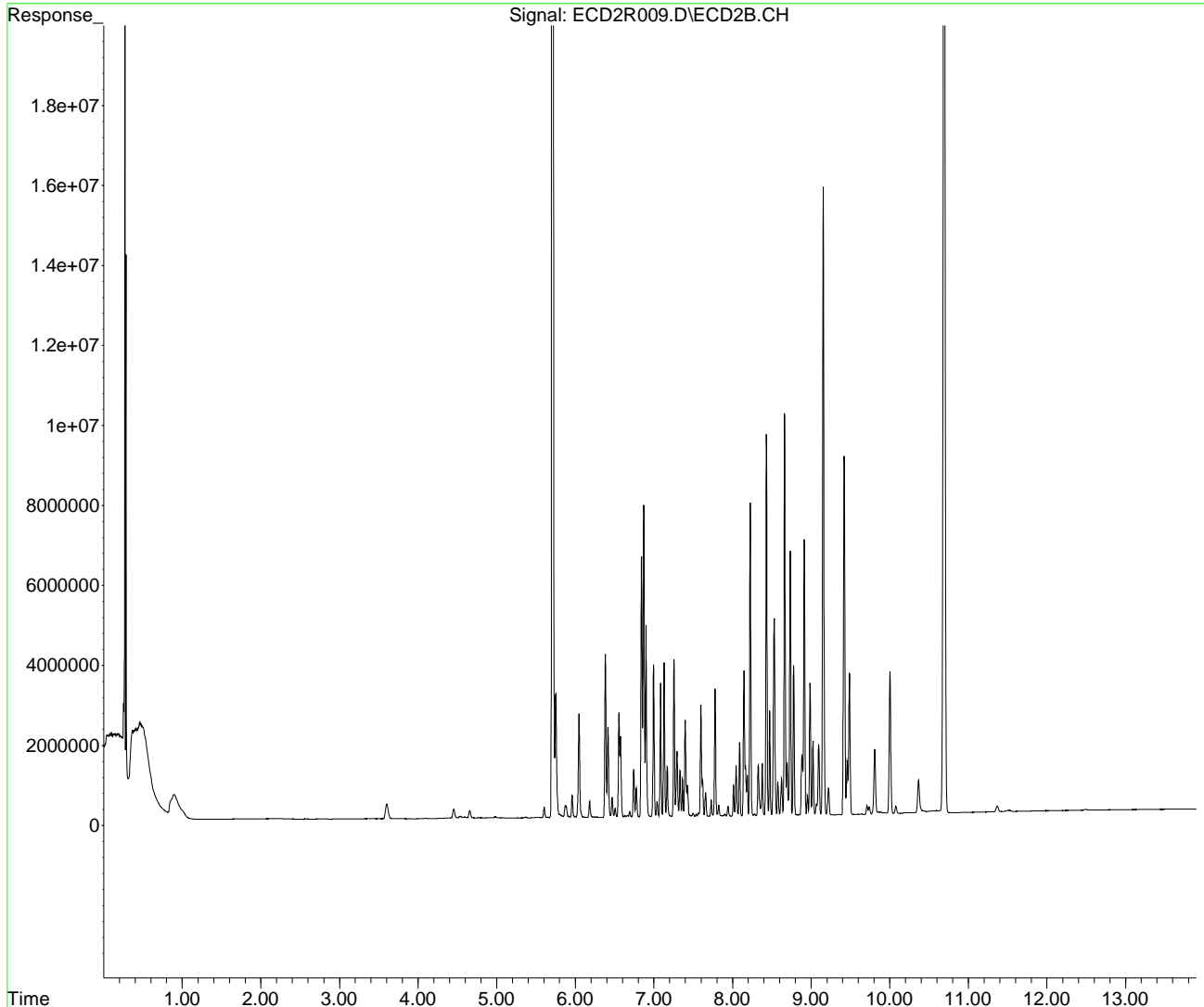
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 9:45 am
Operator : MJB / KAK
Sample : 0E19027-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:19:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:21:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units	

System Monitoring Compounds				
1) S TCMX (S)	5.714	170664863	554.335 ng/ml	
64) S DCBP (S)	10.693	94059654	548.565 ng/ml	✓
Target Compounds				
2) Aroclor 1016 (1)	6.383	7575181	860.413 ng/ml	
3) Aroclor 1016 (2)	6.871	15231294	944.146 ng/ml	
4) Aroclor 1016 (3)	6.997	7288961	922.993 ng/ml	
5) Aroclor 1016 (4)	7.085	6315529	877.076 ng/ml	✓
6) Aroclor 1016 (5)	7.130	7318587	890.967 ng/ml	
7) Aroclor 1016 (6)	7.255	7486577	896.485 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)	0.000	0	N.D. ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:21:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.225	14759197	925.844	ng/ml
44)	Aroclor 1260 (2)	8.431	18332718	928.411	ng/ml
45)	Aroclor 1260 (3)	8.663	19579573	965.114	ng/ml
46)	Aroclor 1260 (4)	9.153	32187096	1010.156	ng/ml
47)	Aroclor 1260 (5)	9.420	18191666	983.619	ng/ml
48)	Aroclor 1260 (6)	10.002	6901908	957.343	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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:21:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

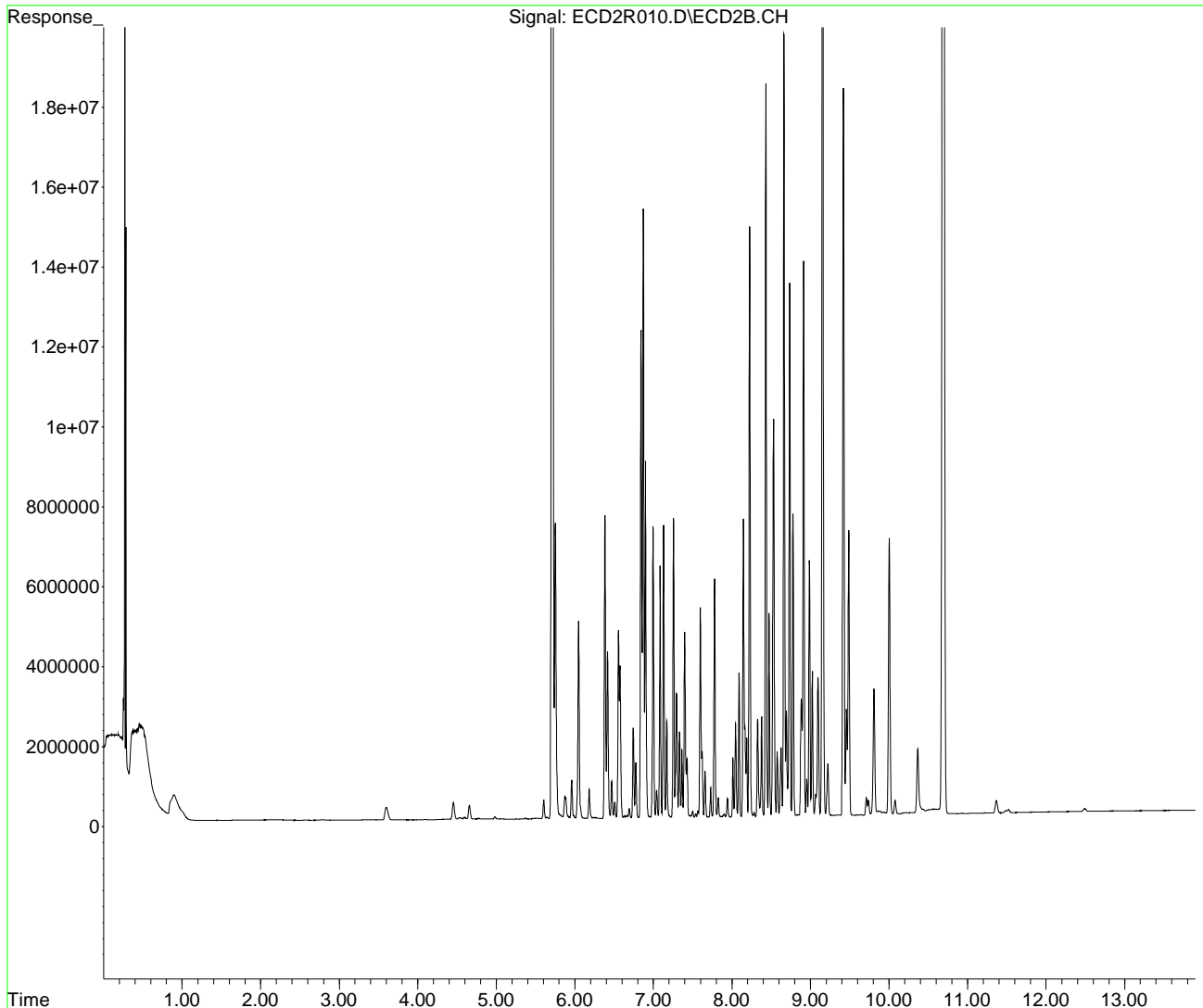
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 10:02 am
Operator : MJB / KAK
Sample : 0E19027-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:21:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 10:22:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units	

System Monitoring Compounds					
1) S TCMX (S)	5.719	201944189	655.933	ng/ml	
64) S DCBP (S)	10.694	155268191	905.539	ng/ml	✓
Target Compounds					
2) Aroclor 1016 (1)	6.383	11724340	1331.688	ng/ml	
3) Aroclor 1016 (2)	6.870	23336235	1446.549	ng/ml	
4) Aroclor 1016 (3)	6.997	10806514	1368.417	ng/ml	
5) Aroclor 1016 (4)	7.085	9561396	1327.850	ng/ml	✓
6) Aroclor 1016 (5)	7.129	11093355	1350.509	ng/ml	
7) Aroclor 1016 (6)	7.254	11337337	1357.596	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)	0.000	0	N.D.	ng/ml	
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml	
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml	
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml	
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml	
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml	
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml	
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml	
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml	
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml	
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml	
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml	
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml	
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml	
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:22:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.226	23117836	1450.181	ng/ml
44)	Aroclor 1260 (2)	8.431	28549455	1445.811	ng/ml
45)	Aroclor 1260 (3)	8.663	30807630	1518.565	ng/ml
46)	Aroclor 1260 (4)	9.154	51201162	1606.891	ng/ml
47)	Aroclor 1260 (5)	9.420	28310773	1530.757	ng/ml
48)	Aroclor 1260 (6)	10.002	10631311	1474.637	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



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 10:22:38 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 10:01:55 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

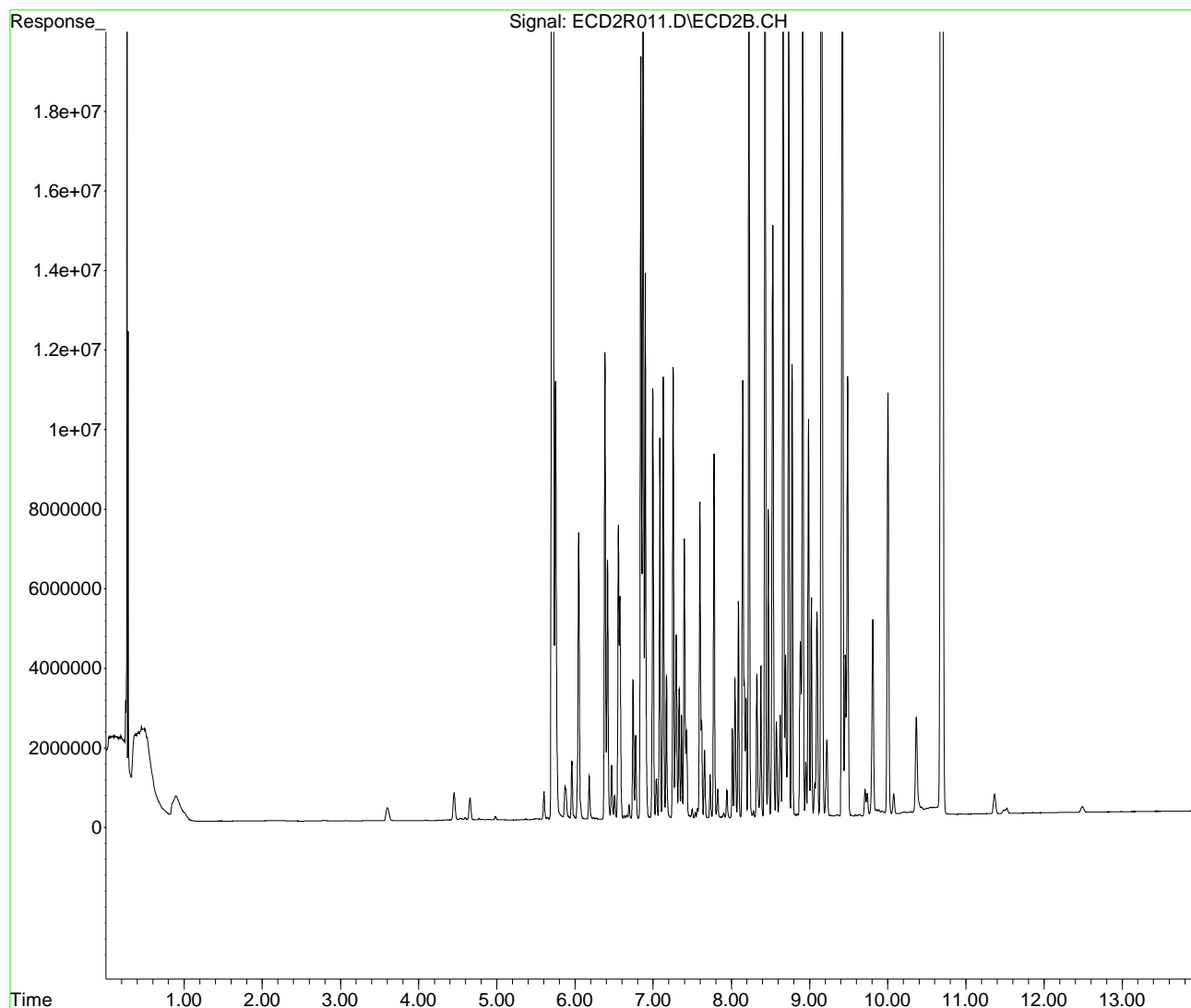
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 10:20 am
Operator : MJB / KAK
Sample : 0E19027-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 10:22:38 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 10:01:55 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Hexane	E2A21015	1	Sample		
2	Vial 2	0E19026-CCV1	E2A21015	1	Sample		
3	Vial 3	0E19026-CCB1	E2A21015	1	Sample		
4	Vial 4	0050515-BLK1	E2A21015	1	Sample		
5	Vial 5	0050515-BS1	E2A21015	1	Sample		
6	Vial 6	A0E0132-01	E2A21015	1	Sample		
7	Vial 1	0E19026-IBL1	E2A21015	1	Sample		
8	Vial 7	0050515-DUP1	E2A21015	1	Sample		
9	Vial 1	0E19026-IBL2	E2A21015	1	Sample		
10	Vial 8	A0E0132-02	E2A21015	1	Sample		
11	Vial 1	0E19026-IBL3	E2A21015	1	Sample		
12	Vial 9	0050515-MS1	E2A21015	1	Sample		
13	Vial 1	0E19026-IBL4	E2A21015	1	Sample		
14	Vial 10	0050515-MSD1	E2A21015	1	Sample		
15	Vial 1	0E19026-IBL5	E2A21015	1	Sample		
16	Vial 11	A0E0132-03	E2A21015	1	Sample		
17	Vial 1	0E19026-IBL6	E2A21015	1	Sample		
18	Vial 12	A0E0132-04	E2A21015	1	Sample		
19	Vial 1	0E19026-IBL7	E2A21015	1	Sample		
20	Vial 13	A0E0132-05	E2A21015	1	Sample		
21	Vial 1	0E19026-IBL8	E2A21015	1	Sample		
22	Vial 2	0E19026-CCV2	E2A21015	1	Sample		
23	Vial 3	0E19026-CCB2	E2A21015	1	Sample		
24	Vial 1	Hexane	E2A21015	1	Sample		

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	Hexane	E2A21015	1	Sample		
2	Vial 52	0E19027-CCV1	E2A21015	1	Sample		
3	Vial 53	0E19027-CCB1	E2A21015	1	Sample		
4	Vial 53	0E19027-ICB1	E2A21015	1	Sample		
5	Vial 54	0E19027-CAL1	E2A21015	1	Sample		
6	Vial 55	0E19027-CAL2	E2A21015	1	Sample		
7	Vial 56	0E19027-CAL3	E2A21015	1	Sample		
8	Vial 57	0E19027-CAL4	E2A21015	1	Sample		
9	Vial 58	0E19027-CAL5	E2A21015	1	Sample		
10	Vial 59	0E19027-CAL6	E2A21015	1	Sample		
11	Vial 60	0E19027-CAL7	E2A21015	1	Sample		
12	Vial 51	0E19027-IBL1	E2A21015	1	Sample		
13	Vial 61	0E19027-ICV1	E2A21015	1	Sample		
14	Vial 62	0E19027-CAL8	E2A21015	1	Sample		
15	Vial 63	0E19027-CAL9	E2A21015	1	Sample		
16	Vial 64	0E19027-CALA	E2A21015	1	Sample		
17	Vial 65	0E19027-CALB	E2A21015	1	Sample		
18	Vial 66	0E19027-CALC	E2A21015	1	Sample		
19	Vial 67	0E19027-CALD	E2A21015	1	Sample		
20	Vial 68	0E19027-CALE	E2A21015	1	Sample		
21	Vial 69	0E19027-ICV2	E2A21015	1	Sample		
22	Vial 70	0E19027-ICV3	E2A21015	1	Sample		
23	Vial 71	0E19027-ICV4	E2A21015	1	Sample		
24	Vial 72	0E19027-ICV5	E2A21015	1	Sample		

5/19/20

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:16:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.711	3221692	8.406 ng/ml
64) S DCBP (S)	10.692	1708738	9.549 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	212904	18.606 ng/ml
3) Aroclor 1016 (2)	6.870	360761	17.686 ng/ml
4) Aroclor 1016 (3)	6.997	186104	19.461 ng/ml
5) Aroclor 1016 (4)	7.085	178635	19.653 ng/ml
6) Aroclor 1016 (5)	7.130	197879	19.583 ng/ml
7) Aroclor 1016 (6)	7.255	204322	20.505 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:16:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.226	363975	19.029	ng/ml
44)	Aroclor 1260 (2)	8.431	443573	19.073	ng/ml
45)	Aroclor 1260 (3)	8.664	431729	18.374	ng/ml
46)	Aroclor 1260 (4)	9.154	665318	18.254	ng/ml
47)	Aroclor 1260 (5)	9.421	399248	19.358	ng/ml
48)	Aroclor 1260 (6)	10.004	158553	19.849	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:34 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:16:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

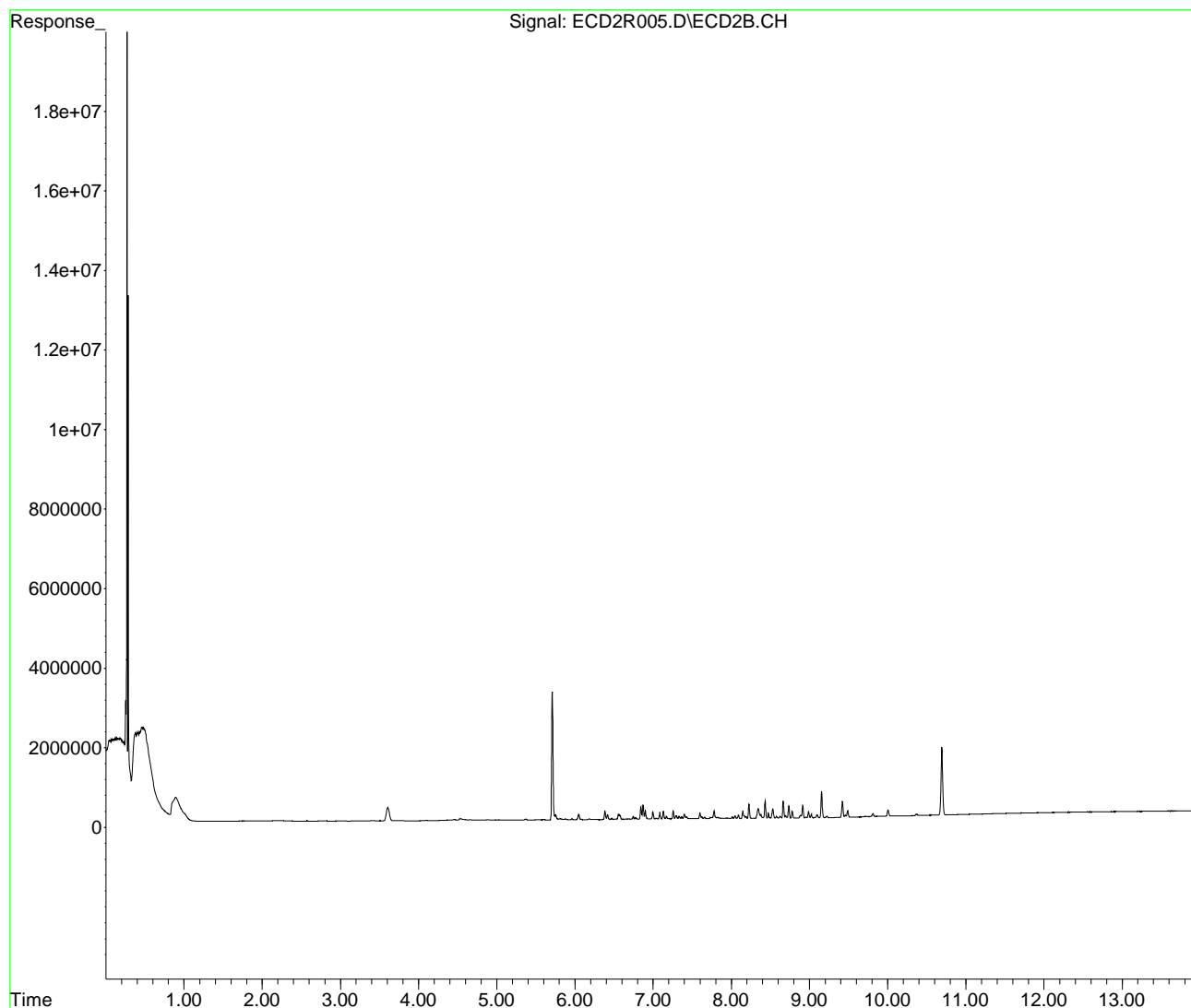
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 8:34 am
Operator : MJB / KAK
Sample : 0E19027-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:16:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:52 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:17:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.710	7675487	20.026 ng/ml
64) S DCBP (S)	10.689	3978087	22.232 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	469714	41.049 ng/ml
3) Aroclor 1016 (2)	6.870	779462	38.212 ng/ml
4) Aroclor 1016 (3)	6.997	420078	43.929 ng/ml
5) Aroclor 1016 (4)	7.084	387264	42.606 ng/ml
6) Aroclor 1016 (5)	7.130	424902	42.049 ng/ml
7) Aroclor 1016 (6)	7.255	432356	43.390 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:52 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:17:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.225	798911	41.767	ng/ml
44)	Aroclor 1260 (2)	8.431	992035	42.657	ng/ml
45)	Aroclor 1260 (3)	8.663	988592	42.074	ng/ml
46)	Aroclor 1260 (4)	9.153	1512406	41.494	ng/ml
47)	Aroclor 1260 (5)	9.419	901158	43.693	ng/ml
48)	Aroclor 1260 (6)	10.001	353328	44.232	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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 8:52 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:17:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

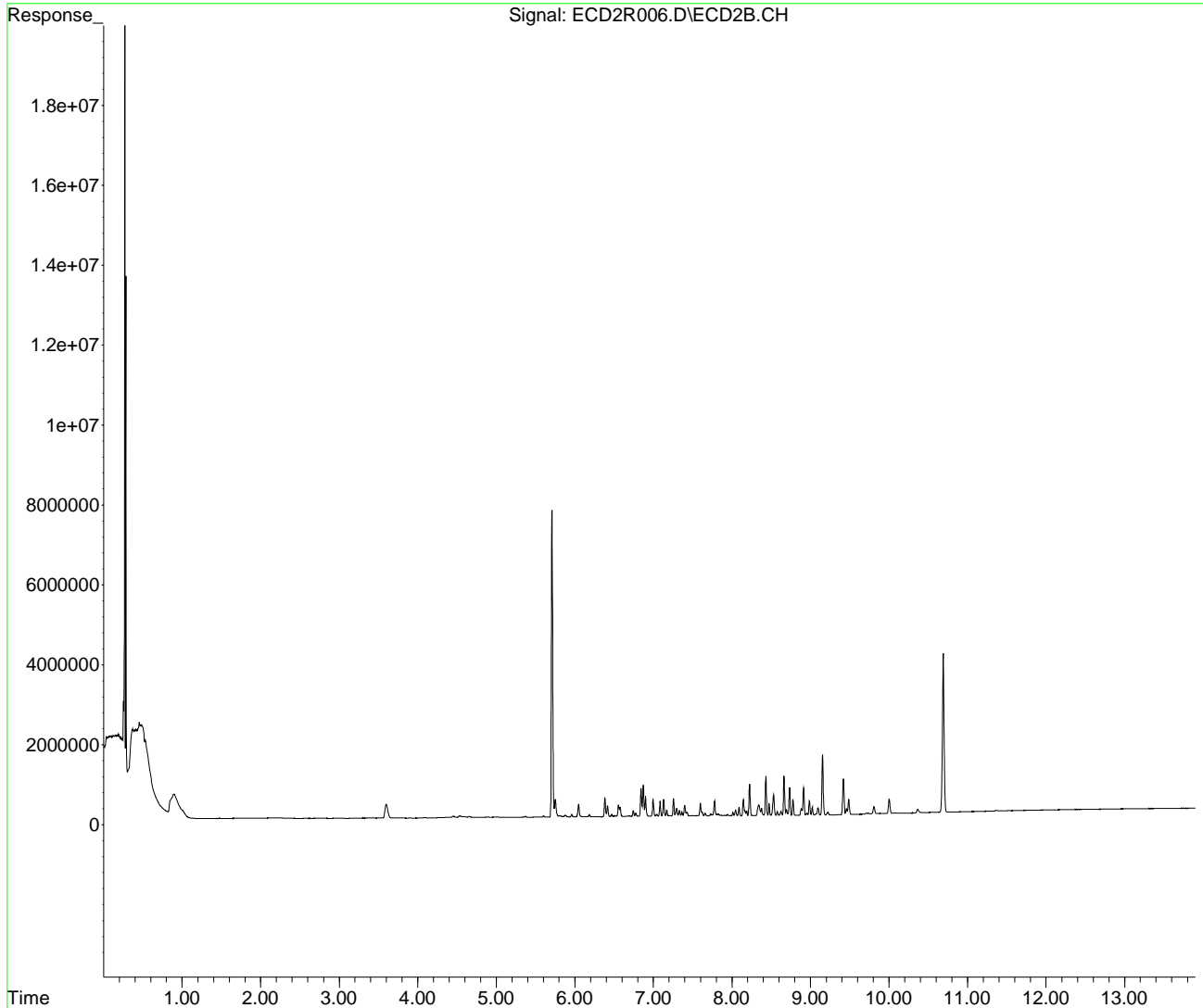
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 8:52 am
Operator : MJB / KAK
Sample : 0E19027-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:17:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:17:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.710	15169033	39.577 ng/ml
64) S DCBP (S)	10.690	8235771	46.026 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	901167	78.755 ng/ml
3) Aroclor 1016 (2)	6.870	1639614	80.380 ng/ml
4) Aroclor 1016 (3)	6.997	767758	80.286 ng/ml
5) Aroclor 1016 (4)	7.085	725206	79.785 ng/ml
6) Aroclor 1016 (5)	7.129	851425	84.259 ng/ml
7) Aroclor 1016 (6)	7.254	846520	84.953 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:17:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
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)	8.225	1569172	82.037	ng/ml
44)	Aroclor 1260 (2)	8.430	1945006	83.634	ng/ml
45)	Aroclor 1260 (3)	8.662	1985754	84.513	ng/ml
46)	Aroclor 1260 (4)	9.153	3032024	83.186	ng/ml
47)	Aroclor 1260 (5)	9.419	1829122	88.687	ng/ml
48)	Aroclor 1260 (6)	10.001	709806	88.858	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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:09 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:17:56 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

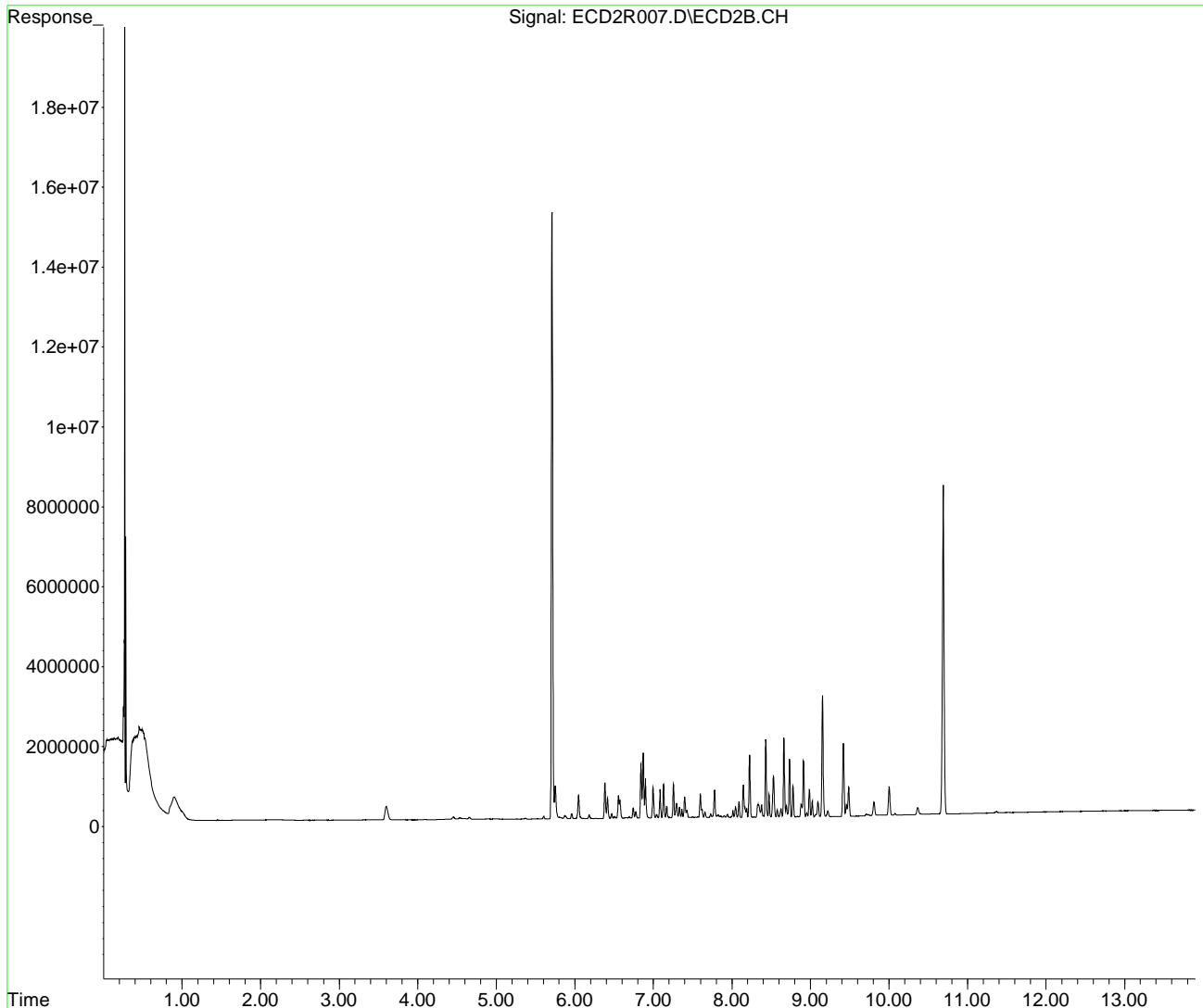
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 9:09 am
Operator : MJB / KAK
Sample : 0E19027-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:17:56 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:27 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:18:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.711	32862781	85.741 ng/ml
64) S DCBP (S)	10.690	16710707	93.388 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.382	1807336	157.947 ng/ml
3) Aroclor 1016 (2)	6.870	3305278	162.037 ng/ml
4) Aroclor 1016 (3)	6.996	1557240	162.844 ng/ml
5) Aroclor 1016 (4)	7.084	1420637	156.294 ng/ml
6) Aroclor 1016 (5)	7.129	1633241	161.629 ng/ml
7) Aroclor 1016 (6)	7.254	1648095	165.396 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:27 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:18:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.225	3178836	166.191	ng/ml
44)	Aroclor 1260 (2)	8.431	4066139	174.842	ng/ml
45)	Aroclor 1260 (3)	8.663	4116433	175.194	ng/ml
46)	Aroclor 1260 (4)	9.153	6289636	172.562	ng/ml
47)	Aroclor 1260 (5)	9.419	3636368	176.313	ng/ml
48)	Aroclor 1260 (6)	10.002	1454966	182.142	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:27 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:18:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

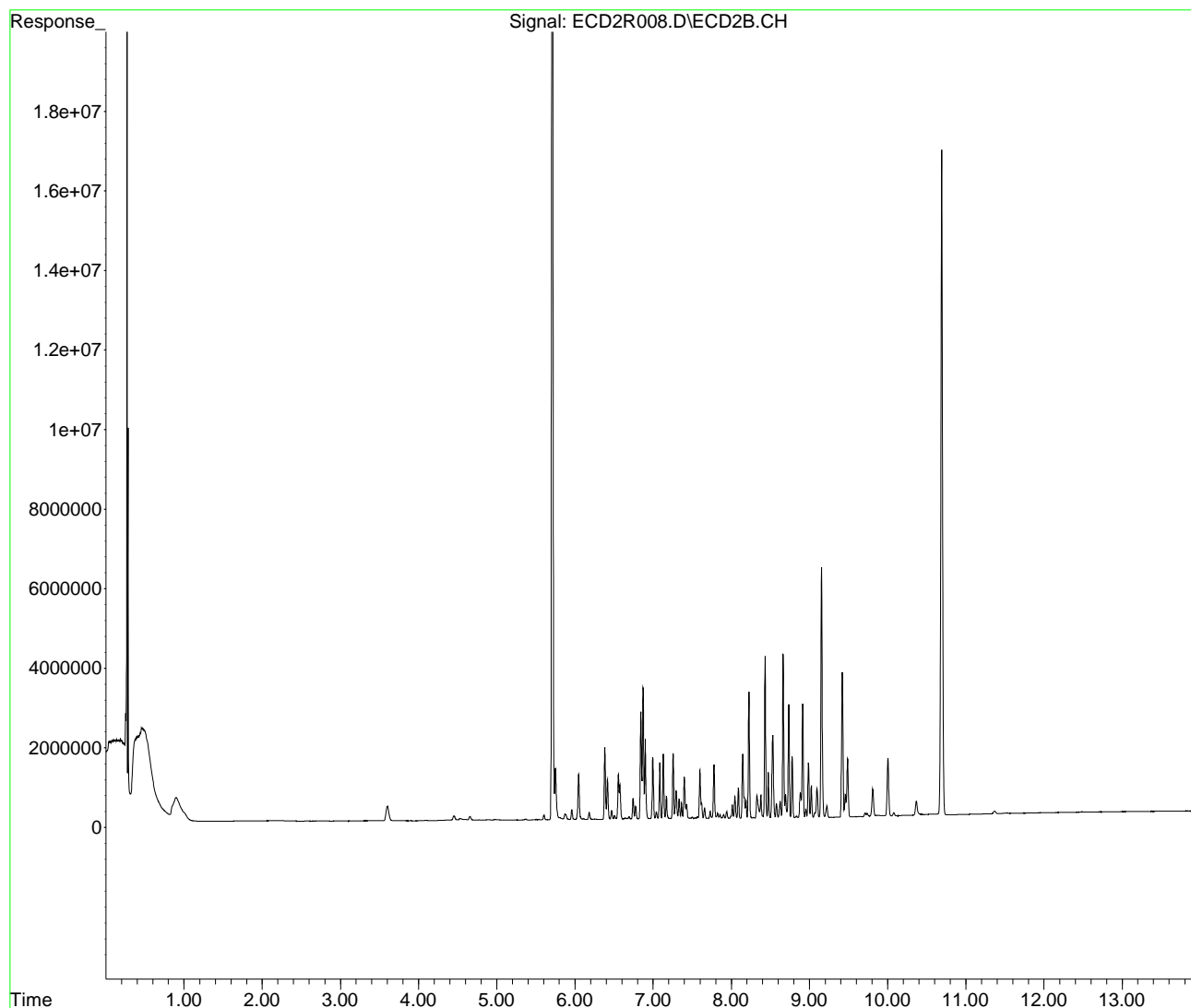
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 9:27 am
Operator : MJB / KAK
Sample : 0E19027-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:18:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:45 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:19:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.712	75038705	195.780 ng/ml
64) S DCBP (S)	10.691	39057425	218.272 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	4074796	356.105 ng/ml
3) Aroclor 1016 (2)	6.870	7793923	382.088 ng/ml
4) Aroclor 1016 (3)	6.997	3807879	398.198 ng/ml
5) Aroclor 1016 (4)	7.084	3341277	367.596 ng/ml
6) Aroclor 1016 (5)	7.129	3856405	381.637 ng/ml
7) Aroclor 1016 (6)	7.254	3921780	393.574 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:45 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:19:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.225	7827729	409.236	ng/ml
44)	Aroclor 1260 (2)	8.430	9529253	409.753	ng/ml
45)	Aroclor 1260 (3)	8.663	10047636	427.624	ng/ml
46)	Aroclor 1260 (4)	9.153	15720441	431.304	ng/ml
47)	Aroclor 1260 (5)	9.420	8969121	434.876	ng/ml
48)	Aroclor 1260 (6)	10.002	3554771	445.008	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 9:45 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:19:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

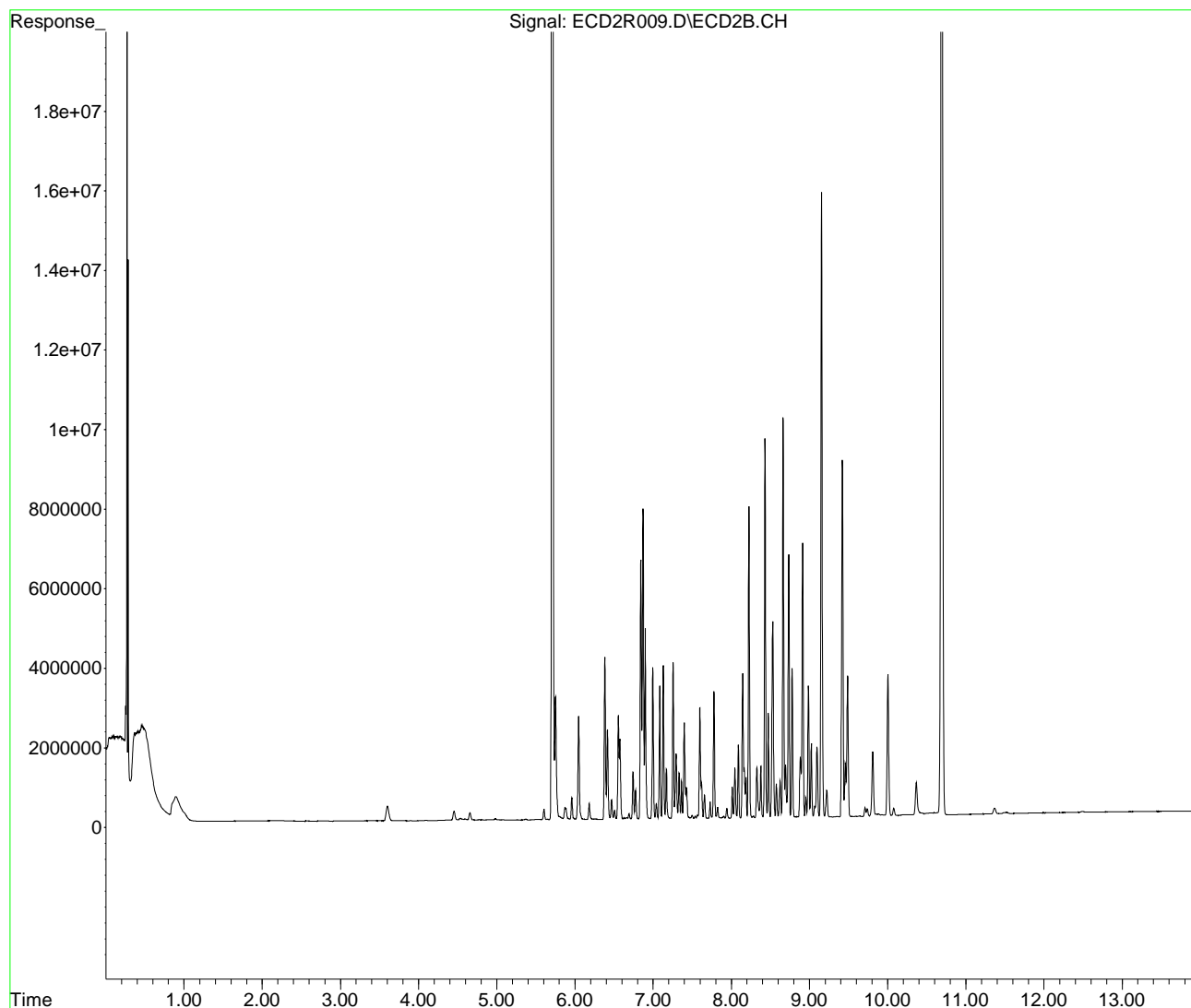
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 9:45 am
Operator : MJB / KAK
Sample : 0E19027-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:19:58 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:21:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.714	170664863	445.273 ng/ml
64) S DCBP (S)	10.693	94059654	525.652 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	7575181	662.011 ng/ml
3) Aroclor 1016 (2)	6.871	15231294	746.696 ng/ml
4) Aroclor 1016 (3)	6.997	7288961	762.223 ng/ml
5) Aroclor 1016 (4)	7.085	6315529	694.814 ng/ml
6) Aroclor 1016 (5)	7.130	7318587	724.261 ng/ml
7) Aroclor 1016 (6)	7.255	7486577	751.323 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:21:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.225	14759197	771.616	ng/ml
44)	Aroclor 1260 (2)	8.431	18332718	788.298	ng/ml
45)	Aroclor 1260 (3)	8.663	19579573	833.300	ng/ml
46)	Aroclor 1260 (4)	9.153	32187096	883.082	ng/ml
47)	Aroclor 1260 (5)	9.420	18191666	882.040	ng/ml
48)	Aroclor 1260 (6)	10.002	6901908	864.023	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:02 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:21:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

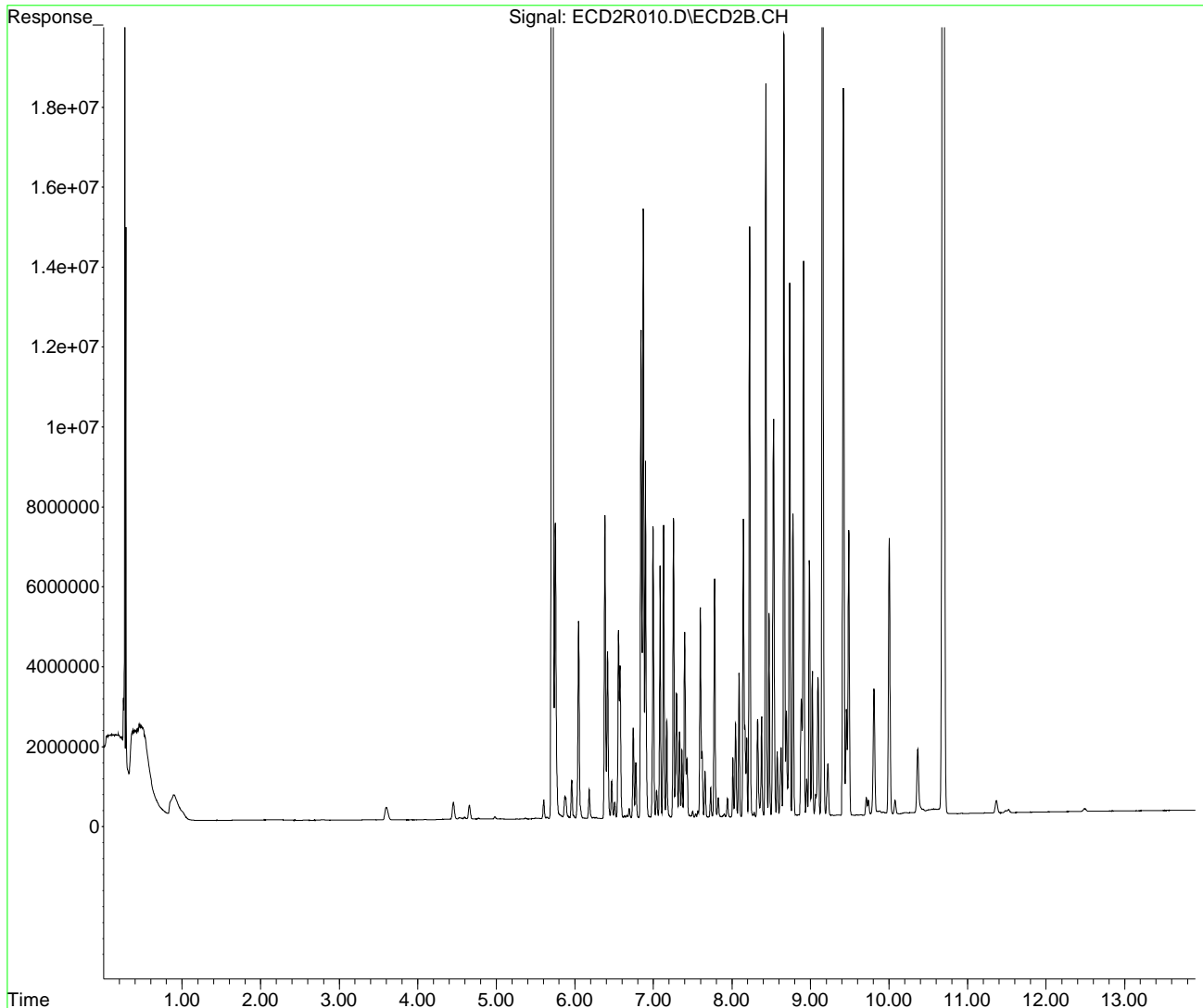
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 10:02 am
Operator : MJB / KAK
Sample : 0E19027-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:21:00 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:21:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.719	201944189	526.882 ng/ml
64) S DCBP (S)	10.694	155268191	867.716 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.383	11724340	1024.616 ng/ml
3) Aroclor 1016 (2)	6.870	23336235	1144.032 ng/ml
4) Aroclor 1016 (3)	6.997	10806514	1130.062 ng/ml
5) Aroclor 1016 (4)	7.085	9561396	1051.914 ng/ml
6) Aroclor 1016 (5)	7.129	11093355	1097.819 ng/ml
7) Aroclor 1016 (6)	7.254	11337337	1137.770 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)	0.000	0	N.D. ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D. ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D. ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D. ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D. ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D. ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D. ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D. ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D. ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D. ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D. ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D. ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D. ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D. ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:21:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.226	23117836	1208.609	ng/ml
44)	Aroclor 1260 (2)	8.431	28549455	1227.612	ng/ml
45)	Aroclor 1260 (3)	8.663	30807630	1311.162	ng/ml
46)	Aroclor 1260 (4)	9.154	51201162	1404.750	ng/ml
47)	Aroclor 1260 (5)	9.420	28310773	1372.674	ng/ml
48)	Aroclor 1260 (6)	10.002	10631311	1330.893	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 10:20 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:21:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Mon Apr 27 08:17:14 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

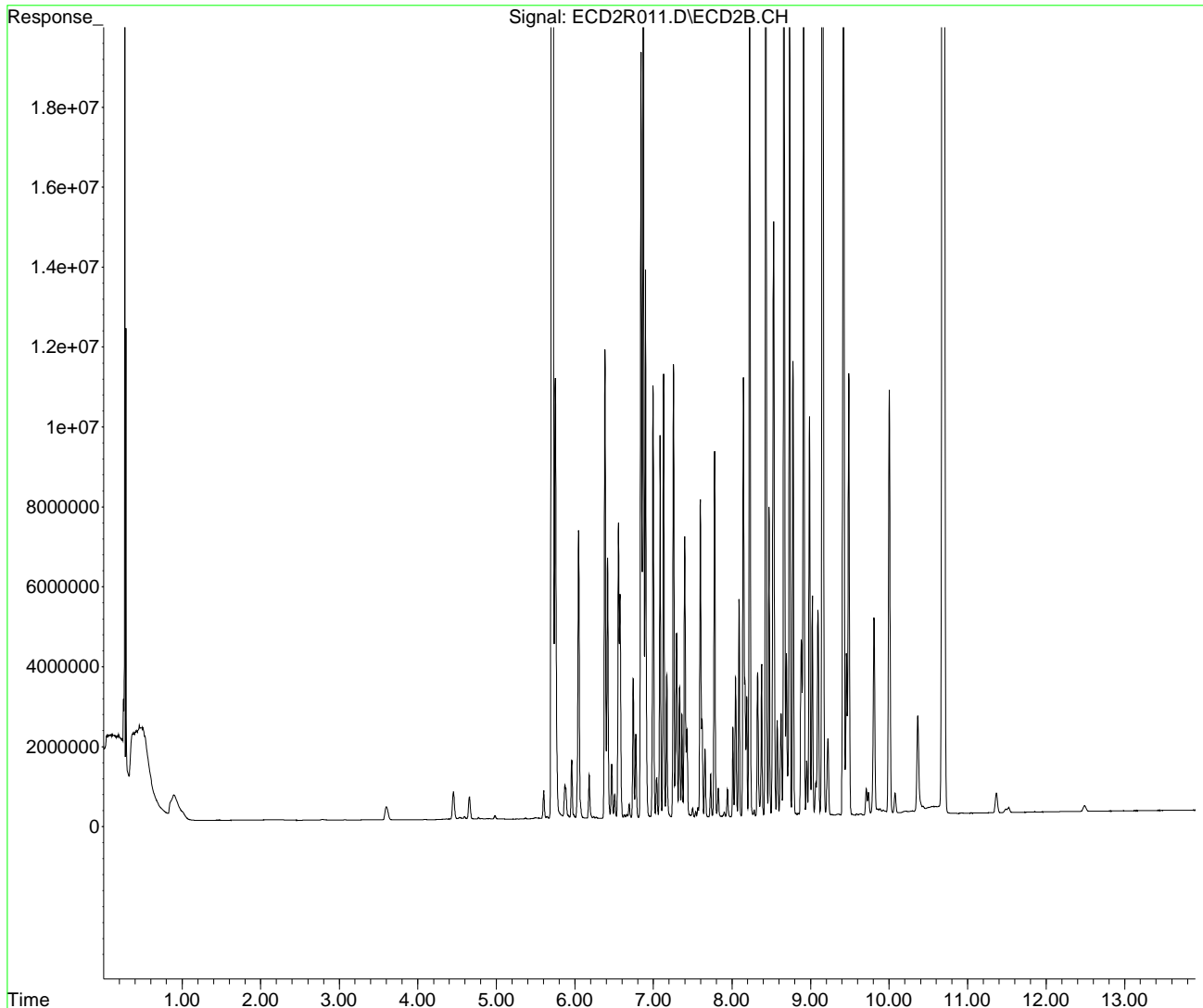
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 10:20 am
Operator : MJB / KAK
Sample : 0E19027-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:21:58 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Mon Apr 27 08:17:14 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:13 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:23:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:22:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.887	1131626	388.409	ng/ml
10) Aroclor 1221 (2)	5.959	1102373	398.404	ng/ml
11) Aroclor 1221 (3)	6.046	3659295	392.065	ng/ml
12) Aroclor 1221 (4)	6.556	747762	365.793	ng/ml
13) Aroclor 1221 (5)	6.871	575602	387.552	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:13 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:23:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:22:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:13 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:23:41 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:22:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

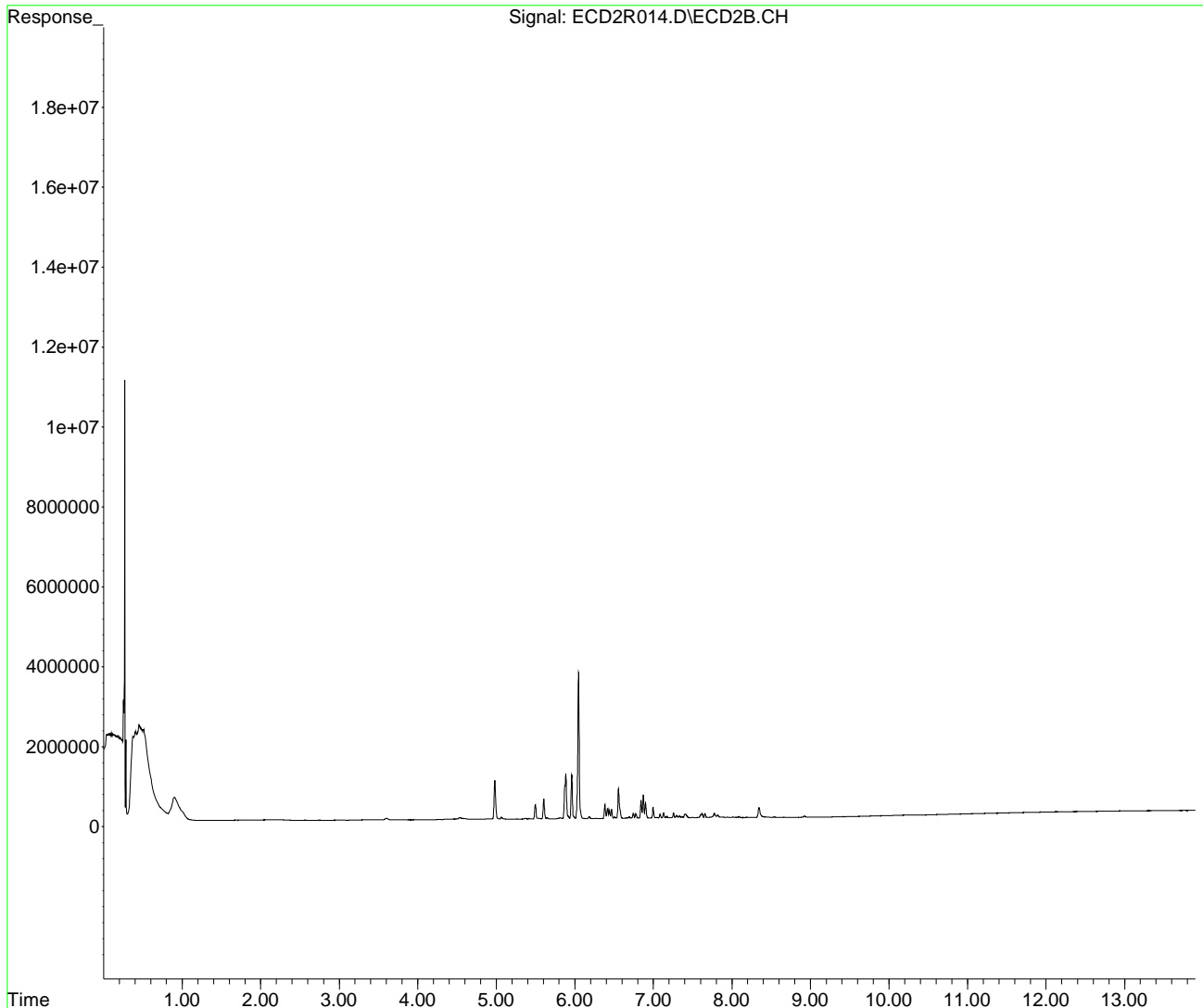
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 11:13 am
Operator : MJB / KAK
Sample : 0E19027-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:23:41 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:22:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:30 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:25:49 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:24:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	6.046	3107091	417.443	ng/ml
16) Aroclor 1232 (2)	6.382	1836800	416.018	ng/ml
17) Aroclor 1232 (3)	6.870	3388773	413.211	ng/ml
18) Aroclor 1232 (4)	7.084	1190518	395.383	ng/ml
19) Aroclor 1232 (5)	7.129	1487539	419.566	ng/ml
20) Aroclor 1232 (6)	7.254	1546961	441.270	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:30 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:25:49 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:24:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:30 am
 Operator : MJB / KAK
 Sample : 0E19027-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:25:49 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:24:31 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

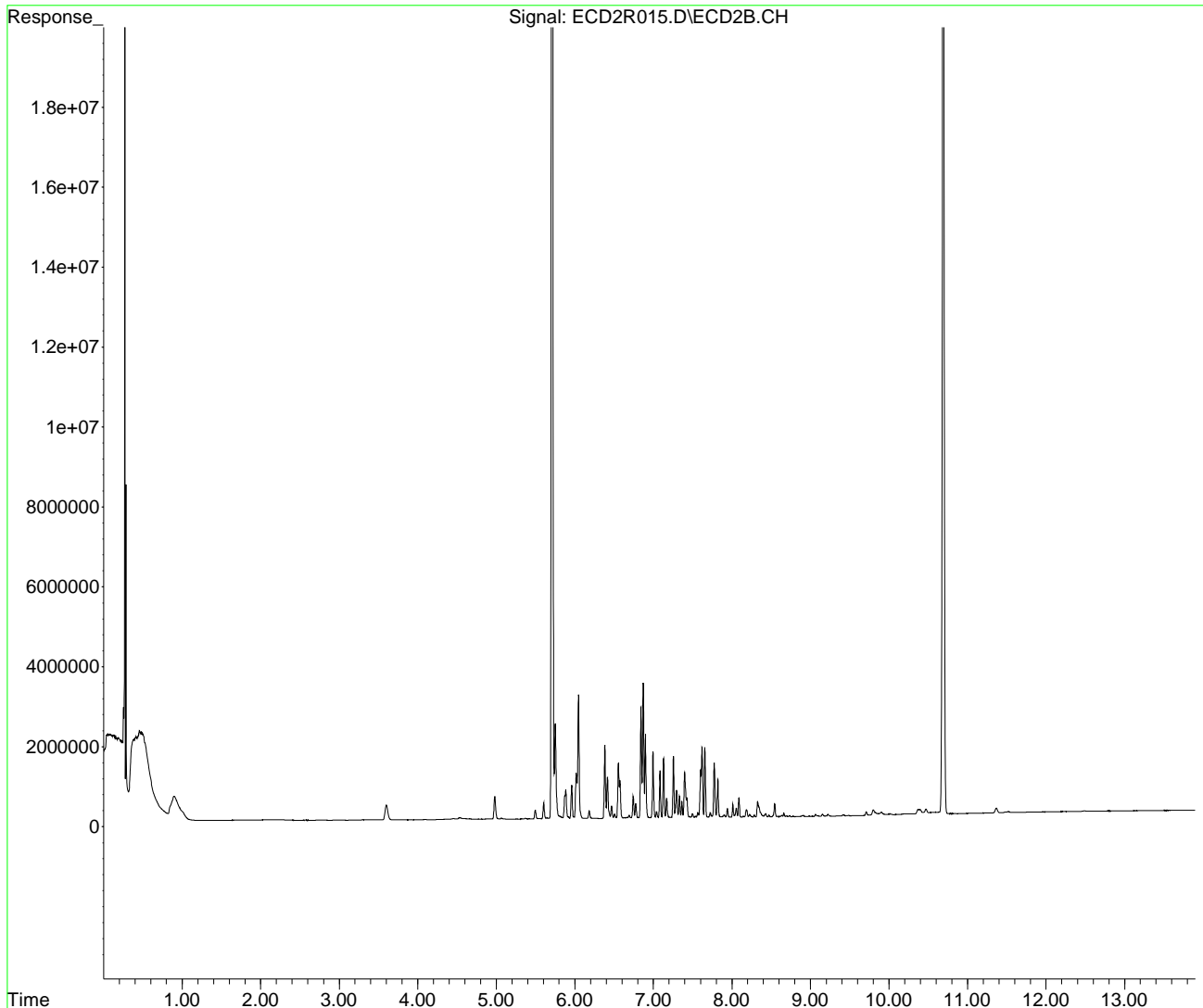
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 11:30 am
Operator : MJB / KAK
Sample : 0E19027-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:25:49 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:24:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:48 am
 Operator : MJB / KAK
 Sample : 0E19027-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:38:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:37:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	6.383	3191147	383.959	ng/ml
23) Aroclor 1242 (2)	6.870	5797789	382.808	ng/ml
24) Aroclor 1242 (3)	6.996	2851607	410.522	ng/ml
25) Aroclor 1242 (4)	7.084	2448017	391.993	ng/ml
26) Aroclor 1242 (5)	7.129	2870888	390.979	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:48 am
 Operator : MJB / KAK
 Sample : 0E19027-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:38:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:37:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	7.255	2971730	400.928 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D. ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D. ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D. ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D. ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D. ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D. ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D. ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D. ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D. ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D. ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D. ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D. ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D. ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D. ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D. ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D. ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D. ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D. ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D. ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D. ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D. ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D. ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D. ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D. ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D. ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 11:48 am
 Operator : MJB / KAK
 Sample : 0E19027-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:38:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:37:35 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

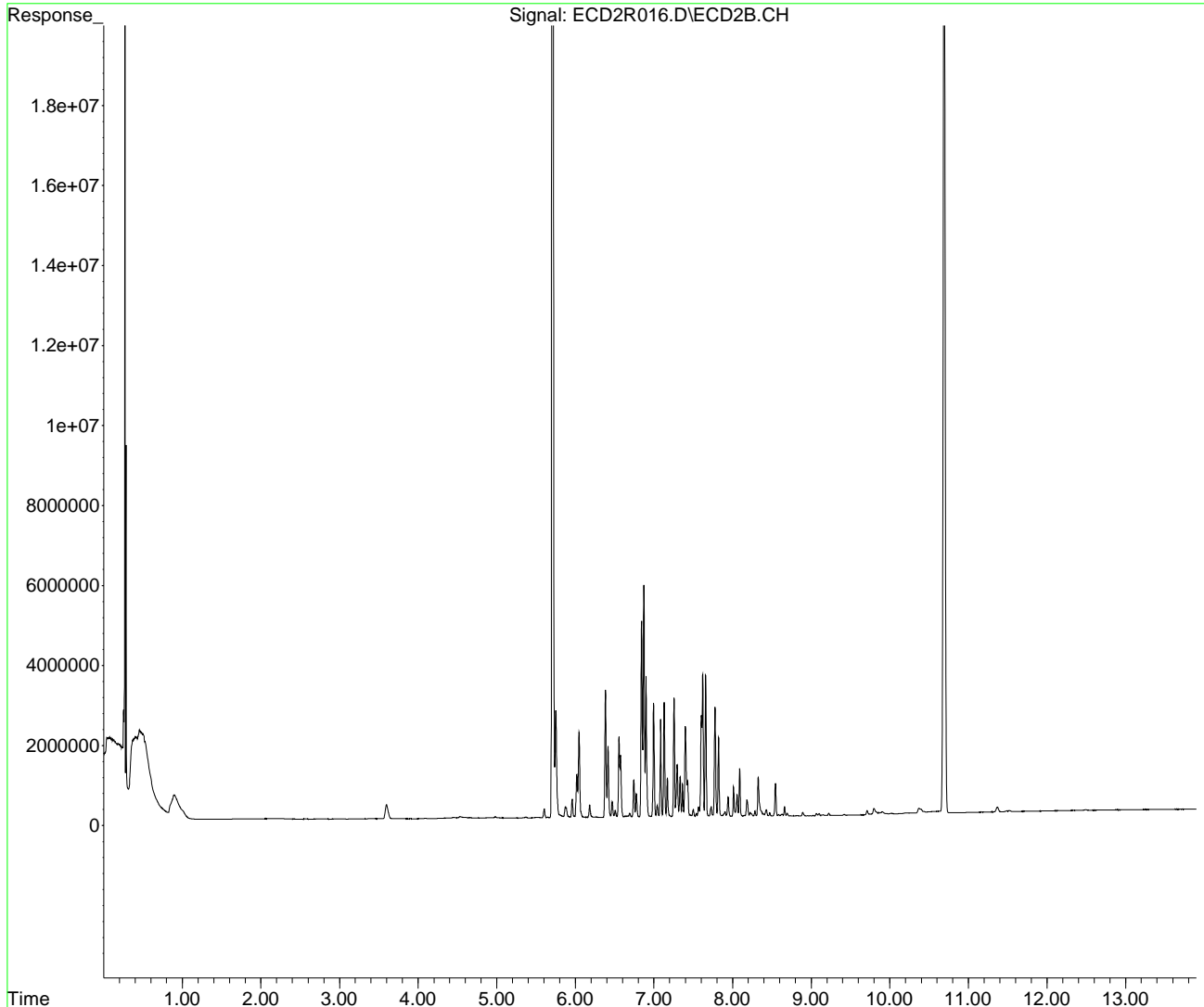
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 11:48 am
Operator : MJB / KAK
Sample : 0E19027-CALA
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:38:43 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:37:35 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:06 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:43:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:41:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:06 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:43:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:41:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.843	3766453	417.230	ng/ml
30)	Aroclor 1248 (2)	7.084	4410368	375.728	ng/ml
31)	Aroclor 1248 (3)	7.130	4251714	411.580	ng/ml
32)	Aroclor 1248 (4)	7.255	5079066	391.800	ng/ml
33)	Aroclor 1248 (5)	7.618	6436192	419.681	ng/ml
34)	Aroclor 1248 (6)	7.777	5523814	407.459	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:06 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:43:08 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:41:48 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

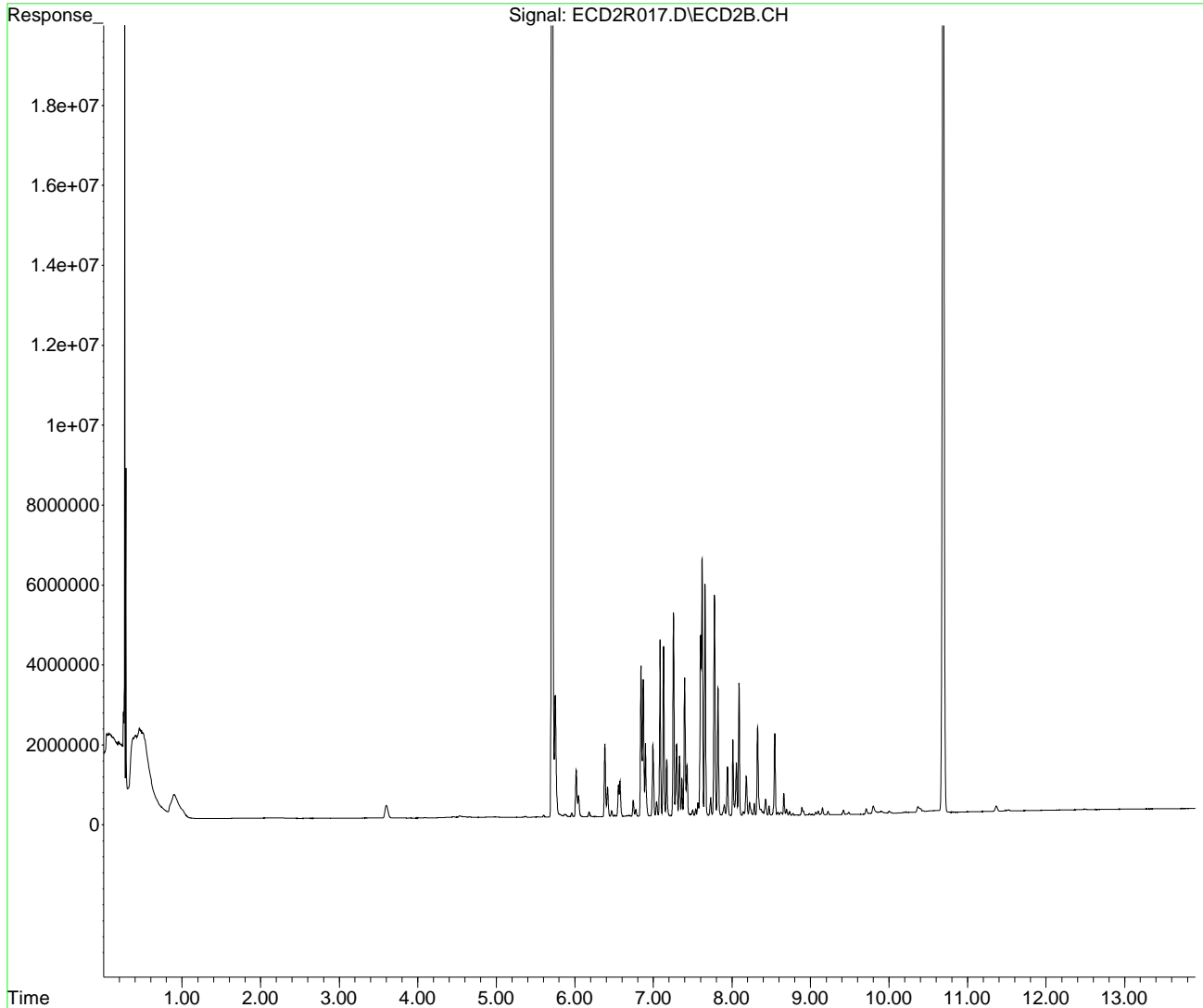
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 12:06 pm
Operator : MJB / KAK
Sample : 0E19027-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:43:08 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:41:48 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:23 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:45:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:43:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:23 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:45:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:43:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.596	6442522	401.022	ng/ml
37)	Aroclor 1254 (2)	7.778	10223408	399.489	ng/ml
38)	Aroclor 1254 (3)	8.088	11375534	414.458	ng/ml
39)	Aroclor 1254 (4)	8.326	8303963	413.753	ng/ml
40)	Aroclor 1254 (5)	8.662	8403464	432.566	ng/ml
41)	Aroclor 1254 (6)	8.892	2524748	448.038	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:23 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:45:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:43:54 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

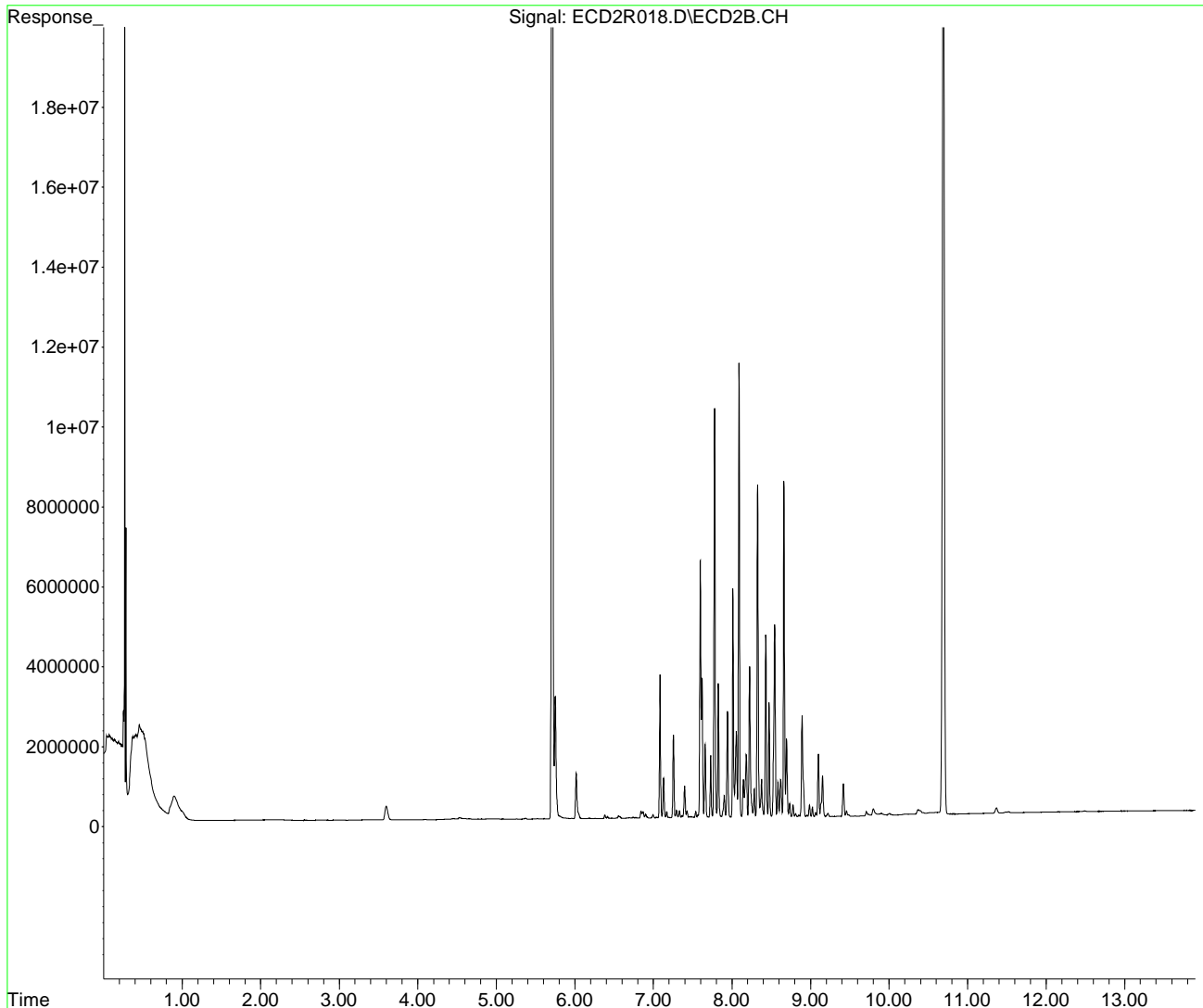
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 12:23 pm
Operator : MJB / KAK
Sample : 0E19027-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:45:00 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:43:54 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:41 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:46:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:45:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:41 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:46:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:45:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.430	7372670	406.567	ng/ml
51)	Aroclor 1262 (2)	8.732	9960783	400.305	ng/ml
52)	Aroclor 1262 (3)	8.910	7793565	393.742	ng/ml
53)	Aroclor 1262 (4)	9.153	17748339	438.859	ng/ml
54)	Aroclor 1262 (5)	9.420	10626137	442.087	ng/ml
55)	Aroclor 1262 (6)	10.001	4825895	454.308	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:41 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:46:58 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:45:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/ml
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/ml
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/ml
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/ml
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

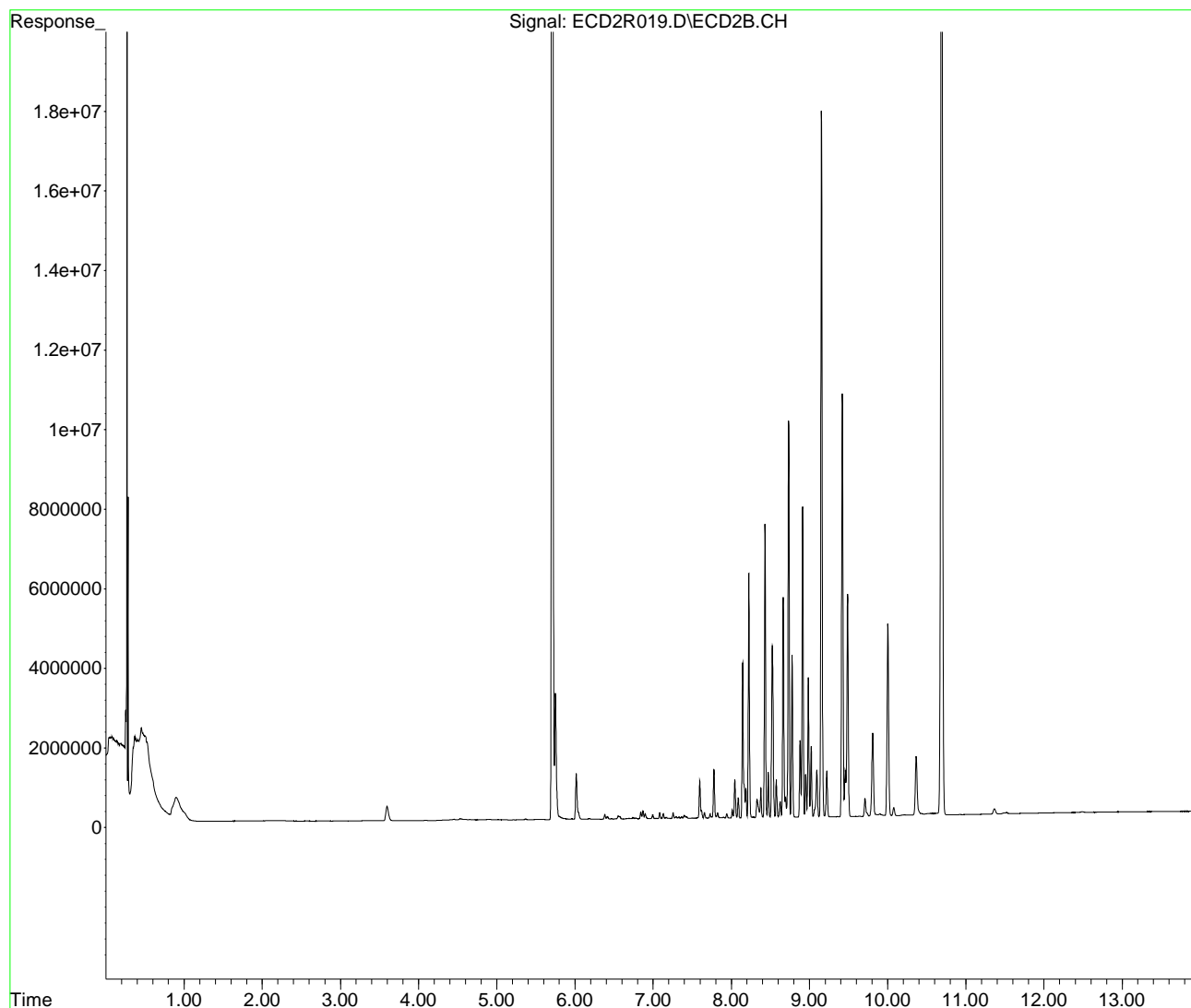
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 12:41 pm
Operator : MJB / KAK
Sample : 0E19027-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:46:58 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:45:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:59 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

KAK 5/20/2020

Integration File: events.e
 Quant Time: May 20 09:49:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:48:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/ml
64) S DCBP (S)	0.000	0	N.D.	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	0.000	0	N.D.	ng/ml
3) Aroclor 1016 (2)	0.000	0	N.D.	ng/ml
4) Aroclor 1016 (3)	0.000	0	N.D.	ng/ml
5) Aroclor 1016 (4)	0.000	0	N.D.	ng/ml
6) Aroclor 1016 (5)	0.000	0	N.D.	ng/ml
7) Aroclor 1016 (6)	0.000	0	N.D.	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)	0.000	0	N.D.	ng/ml
11) Aroclor 1221 (3)	0.000	0	N.D.	ng/ml
12) Aroclor 1221 (4)	0.000	0	N.D.	ng/ml
13) Aroclor 1221 (5)	0.000	0	N.D.	ng/ml
14) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15) Aroclor 1232 (1)	0.000	0	N.D.	ng/ml
16) Aroclor 1232 (2)	0.000	0	N.D.	ng/ml
17) Aroclor 1232 (3)	0.000	0	N.D.	ng/ml
18) Aroclor 1232 (4)	0.000	0	N.D.	ng/ml
19) Aroclor 1232 (5)	0.000	0	N.D.	ng/ml
20) Aroclor 1232 (6)	0.000	0	N.D.	ng/ml
21) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22) Aroclor 1242 (1)	0.000	0	N.D.	ng/ml
23) Aroclor 1242 (2)	0.000	0	N.D.	ng/ml
24) Aroclor 1242 (3)	0.000	0	N.D.	ng/ml
25) Aroclor 1242 (4)	0.000	0	N.D.	ng/ml
26) Aroclor 1242 (5)	0.000	0	N.D.	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:59 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:49:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:48:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/ml
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/ml
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/ml
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/ml
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/ml
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/ml
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/ml
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/ml
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/ml
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/ml
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/ml
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/ml
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/ml
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/ml
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/ml
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.953	4679336	430.943	ng/ml

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 19 May 2020 12:59 pm
 Operator : MJB / KAK
 Sample : 0E19027-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: May 20 09:49:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed May 20 09:48:01 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
 Signal Phase : RTX-1701
 Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.421	20309248	436.403 ng/ml
59)	Aroclor 1268 (3)	9.489	16668831	466.092 ng/ml
60)	Aroclor 1268 (4)	9.710	13760845	435.494 ng/ml
61)	Aroclor 1268 (5)	10.001	5357341	430.632 ng/ml
62)	Aroclor 1268 (6)	10.367	39655904	482.753 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

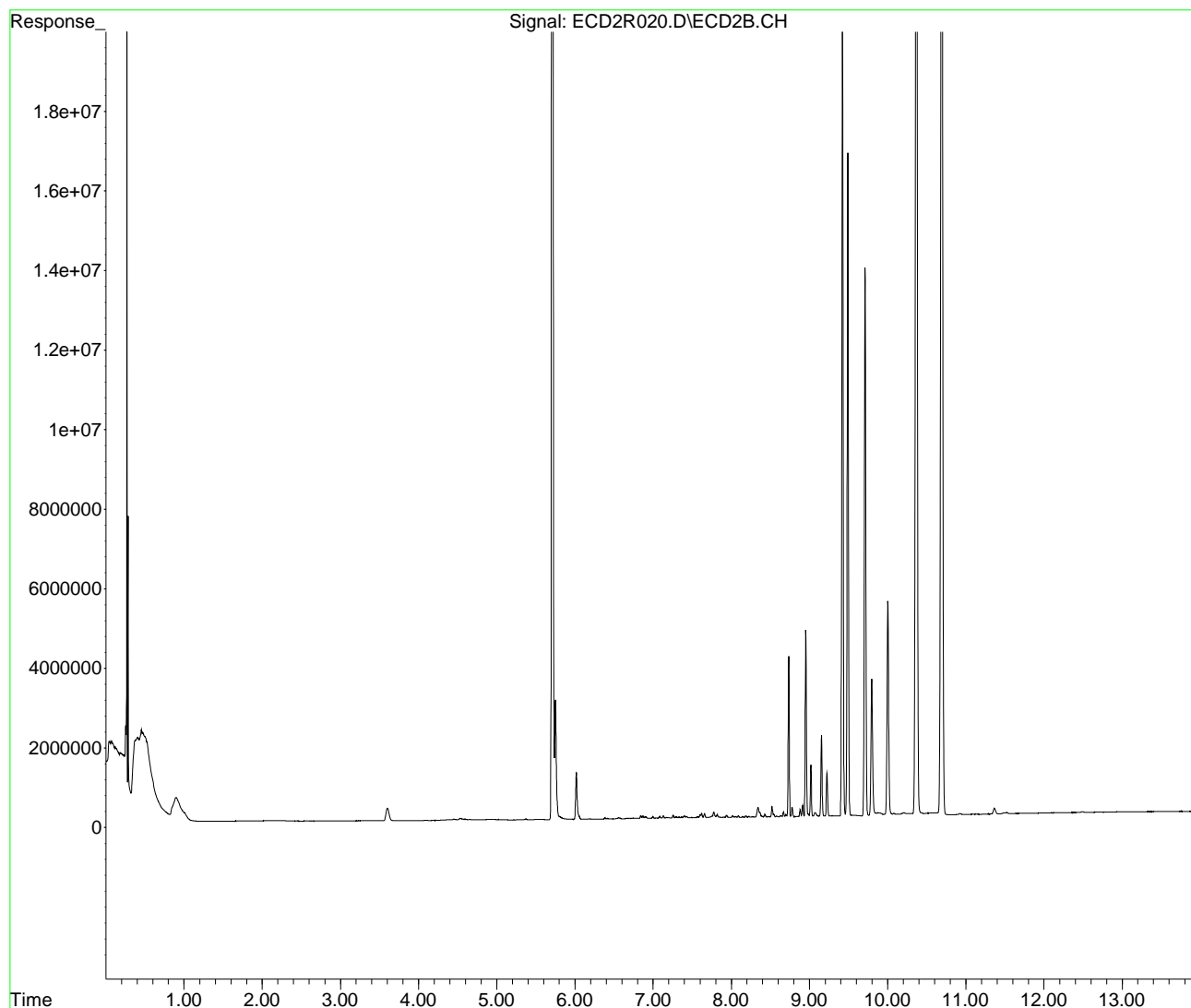
(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\0E19027\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 19 May 2020 12:59 pm
Operator : MJB / KAK
Sample : 0E19027-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: May 20 09:49:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200519.M
Quant Title : PCB Data Analysis
QLast Update : Wed May 20 09:48:01 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0050393
Sequence 0E12047 (A0D0763-01RE1,02RE1,03RE1)



Apex Laboratories
PREPARATION BENCH SHEET


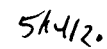
MAY 18 2020

BATCH #: 0050393 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	0050393-BLK1	QC	05/11/20 09:47	11	10				100				
	0050393-BS1	QC	05/11/20 09:47	10	10	A20C413		100	100				
	A0D0758-15RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.45	20				100	PDI-060SC-B-00-02-200428	MDL. Use Custom Spike.		
	0050393-DUP1	QC	05/11/20 09:47	10.37	20		A0D0758-15RE1		100				
	A0D0758-16RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.5	20				100	PDI-060SC-B-02-04-200428	MDL. Use Custom Spike.		
	A0D0758-17RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.76	10				100	PDI-060SC-B-04-06-200428	MDL. Use Custom Spike.		
	A0D0758-18RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.42	10				100	PDI-060SC-B-06-08-200428	MDL. Use Custom Spike.		
	A0D0763-01RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.28	10				100	PDI-061SC-A-03-04-200428	MDL. Use Custom Spike.		
	A0D0763-02RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.46	10				100	PDI-061SC-A-04-05-200428	MDL. Use Custom Spike.		
	A0D0763-03RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.66	10				100	PDI-061SC-A-05-06-200428	MDL. Use Custom Spike.		
	A0D0763-04RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.2	10				100	PDI-061SC-A-06-07-200428	MDL. Use Custom Spike.		
	A0D0763-05RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.55	10				100	PDI-061SC-A-07-08-200428	MDL. Use Custom Spike.		
	A0D0763-06RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.35	10				100	PDI-061SC-A-08-09-200428	MDL. Use Custom Spike.		
	A0D0763-07RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.55	10				100	PDI-061SC-A-09-9.9-200428	MDL. Use Custom Spike.		
	A0D0763-08RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.21	10				100	PDI-061SC-B-00-02-200428	MDL. Use Custom Spike.		
	A0D0763-09RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.32	10				100	PDI-061SC-B-02-04-200428	MDL. Use Custom Spike.		
	A0D0763-10RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.62	10				100	PDI-061SC-B-04-06-200428	MDL. Use Custom Spike.		
	A0D0763-11RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.18	10				100	PDI-061SC-B-06-08-200428	MDL. Use Custom Spike.		
	A0E0004-01RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.36	20				100	PDI-068SC-A-10-11-200430	MDL. Use Custom Spike.		

Prepared By: _____ Date: _____



 Reviewed By: _____ Date: _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0050393 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11
	A0E0004-02RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.22	20				100	PDI-068SC-A-11-12.3-200430	MDL. Use Custom Spike.			
	A0E0004-13RE1	C 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.15	20				100	PDI-072SC-B-04-06-200430	MS/MSD, MDL. Use Custom Spike.			
	0050393-MS1	QC	05/11/20 09:47	10.2	20	A20C413	A0E0004-13RE1	100	100					
	0050393-MSD1	QC	05/11/20 09:47	10.24	20	A20C413	A0E0004-13RE1	100	100					

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051	A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20D453	09/20/20	8082 PCB Surrogate Spike
A20D012	09/28/21	DCM CHEM PROD. DY141-US						

From 0050375 on 5/11/2020 by ajj

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050393 (Sediment)

Prep Method: EPA 3546

In Out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction	Comments	pH			
													<2	5-8	>11	
3	0050393-BLK1	QC	05/11/20 09:47	11	5.10				100			2 ml				
4	0050393-BS1	QC	05/11/20 09:47	10	5.10	A20C413		100	100			2 ml				
5	A0D0758-15RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.45	5.10				100	PDI-060SC-B-00-02-200428	MDL Use Custom Spike	2 ml				
6	0050393-DUP1	QC	05/11/20 09:47	10.37	5.10	CAP	A0D0758-15RE1		100			2 ml				
7	A0D0758-16RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.5	5.10	05/12/20			100	PDI-060SC-B-02-04-200428	MDL Use Custom Spike	2 ml				
8	A0D0758-17RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.76	5.10				100	PDI-060SC-B-04-06-200428	MDL Use Custom Spike	2 ml				
9	A0D0758-18RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.42	5.10				100	PDI-060SC-B-06-08-200428	MDL Use Custom Spike	2 ml				
10	A0D0763-01RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.28	5.10				100	PDI-061SC-A-03-04-200428	MDL Use Custom Spike	2 ml				
11	A0D0763-02RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.46	5.10				100	PDI-061SC-A-04-05-200428	MDL Use Custom Spike	2 ml				
12	A0D0763-03RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.66	5.10				100	PDI-061SC-A-05-06-200428	MDL Use Custom Spike	2 ml				
13	A0D0763-04RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.2	5.10				100	PDI-061SC-A-06-07-200428	MDL Use Custom Spike	2 ml				
14	A0D0763-05RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.55	5.10				100	PDI-061SC-A-07-08-200428	MDL Use Custom Spike	2 ml				
15	A0D0763-06RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.35	5.10				100	PDI-061SC-A-08-09-200428	MDL Use Custom Spike	2 ml				
16	A0D0763-07RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.55	5.10				100	PDI-061SC-A-09-9-9-200428	MDL Use Custom Spike	2 ml				
17	A0D0763-08RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.21	5.10				100	PDI-061SC-B-00-02-200428	MDL Use Custom Spike	2 ml				
18	A0D0763-09RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.32	5.10				100	PDI-061SC-B-02-04-200428	MDL Use Custom Spike	2 ml				
19	A0D0763-10RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.62	5.10				100	PDI-061SC-B-04-06-200428	MDL Use Custom Spike	2 ml				
20	A0D0763-11RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.18	5.10				100	PDI-061SC-B-06-08-200428	MDL Use Custom Spike	2 ml				
21	A0E0004-01RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.36	20				100	PDI-068SC-A-10-11-200430	MDL Use Custom Spike	2 ml				

Prepared By: ADD Date: 5-11-20

Reviewed By: CAS Date: 05/13/2020

CAP
JAG Date: 5/12/20

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050393 (Sediment)

Prep Method: EPA 3546

In | Out

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
22	A0E0004-02RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.22	5 20				100	PDI-068SC-A-11-12.3-200430	MDL Use Custom Spike. 0.5mL 2mL			
23	A0E0004-13RE1	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.15	5 20				100	PDI-072SC-B-04-06-200430	MS/MSD, MDL Use Custom Spike. 0.5mL 2mL			
24	0050393-MS1	QC	05/11/20 09:47	10.2	5 20	A20C413	A0E0004-13RE1	100	100		0.5mL 2mL			
25	0050393-MSD1	QC	05/11/20 09:47	10.24	5 20	A20C413	A0E0004-13RE1	100	100		0.5mL 2mL			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A20A032	06/30/23	n-Hexane Lot# 197051	A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A20D453	09/20/20	8082 PCB Surrogate Spike
A20D012	09/28/21	DCM CHEM PROD. DY141-US						

From 0050375 on 5/11/2020 by ajj

ON GPC #1

Prepared By: AAJ Date: 5-11-20

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050375 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11
1	0050375-BLK1	QC	05/11/20 09:47	10.11	5				100					
2	0050375-BS1	QC	05/11/20 09:47	10	5	A20C413		100	100					
3	A0D0758-15	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.45	5				100	PDI-060SC-B-00-02-200428	MDL. Use Custom Spike. <i>Mud odor</i>			
4	0050375-DUP1	QC	05/11/20 09:47	10.37	5		A0D0758-15		100					
5	A0D0758-16	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.50	5				100	PDI-060SC-B-02-04-200428	MDL. Use Custom Spike. <i>Mud</i>			
6	A0D0758-17	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.76	5				100	PDI-060SC-B-04-06-200428	MDL. Use Custom Spike. <i>Mud</i>			
7	A0D0758-18	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.42	5				100	PDI-060SC-B-06-08-200428	MDL. Use Custom Spike. <i>Mud</i>			
8	A0D0763-01	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.28	5				100	PDI-061SC-A-03-04-200428	MDL. Use Custom Spike. <i>Mud</i>			
9	A0D0763-02	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.46	5				100	PDI-061SC-A-04-05-200428	MDL. Use Custom Spike. <i>Mud</i>			
10	A0D0763-03	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.66	5				100	PDI-061SC-A-05-06-200428	MDL. Use Custom Spike. <i>Mud</i>			
11	A0D0763-04	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.20	5				100	PDI-061SC-A-06-07-200428	MDL. Use Custom Spike. <i>Mud</i>			
12	A0D0763-05	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.95	5				100	PDI-061SC-A-07-08-200428	MDL. Use Custom Spike. <i>Mud</i>			
13	A0D0763-06	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.35	5				100	PDI-061SC-A-08-09-200428	MDL. Use Custom Spike. <i>Mud</i>			
14	A0D0763-07	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.55	5				100	PDI-061SC-A-09-9-9-200428	MDL. Use Custom Spike. <i>Mud Odor</i>			
15	A0D0763-08	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.21	5				100	PDI-061SC-B-00-02-200428	MDL. Use Custom Spike. <i>Mud</i>			
16	A0D0763-09	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.32	5				100	PDI-061SC-B-02-04-200428	MDL. Use Custom Spike. <i>Mud</i>			
17	A0D0763-10	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.62	5				100	PDI-061SC-B-04-06-200428	MDL. Use Custom Spike. <i>Mud</i>			
18	A0D0763-11	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.18	5				100	PDI-061SC-B-06-08-200428	MDL. Use Custom Spike. <i>Mud</i>			
19	A0E0004-01	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.36	5				100	PDI-068SC-A-10-11-200430	MDL. Use Custom Spike. <i>Mud</i>			

Prepared By: SCG Date: 5/11/20
 Reviewed By: SCG Date: 05/11/2020

CAH 5/11/20

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050375 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	Other	>11
20	A0E0004-02	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.22	5 ✓				100	PDI-068SC-A-11-12.3-200430	MDL. Use Custom Spike. <i>Mud</i>			
21	A0E0004-13	B 8081B 2,4+4,4-DDx Only (+Add)	05/11/20 09:47	10.15	5 ✓				100	PDI-072SC-B-04-06-200430	MS/MSD, MDL. Use Custom Spike. <i>Mud Odor</i>			
22	0050375-MS1	QC	05/11/20 09:47	10.20	5 ✓	A20C413	A0E0004-13	100	100					
23	0050375-MSD1	QC	05/11/20 09:48	10.24	5 ✓	A20C413	A0E0004-13	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19I263	03/18/21	DCM CHEM PROD. 194934
A19K010	10/29/25	Sodium Sulfate Lot # 188777

Analyte Spike(s)

Std ID	Exp. Date	Description
A20C413	09/25/20	2,4 + 4,4 DDx Pesticide Matrix Spike

cutt

Surrogate(s)

Std ID	Exp. Date	Description
A20D453	09/20/20	8082 PCB Surrogate Spike

cutt

Method 3546 digestion time and temperature achieved.

Initial: *cutt*

Witness: ASJ 5-11-20

Already on GPC

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E12047**

Instrument: **DUALECD3**

Date: **05/12/20 12:48**

Calibration: **A0D1308**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E12047-BKD1	Sediment	QC	QC				
2	0E12047-CCV1	Sediment	QC	QC				A20C091
3	0E12047-CCV2	Sediment	QC	QC				A20C183
4	0E12047-CCB1	Sediment	QC	QC				A20C358
5	0050393-BLK1	Sediment	QC	QC				A20D303
6	0050393-BS1	Sediment	QC	QC		0050393		
7	A0D0763-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
8	A0D0763-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
9	A0D0763-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
10	A0D0758-17RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
11	0E12047-IBL1	Sediment	QC	QC				
12	A0D0758-18RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
13	0E12047-IBL2	Sediment	QC	QC				
14	A0D0758-15RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
15	0E12047-IBL3	Sediment	QC	QC				
16	0050393-DUP1	Sediment	QC	QC		0050393		
17	0E12047-IBL4	Sediment	QC	QC				
18	A0D0758-16RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
19	0E12047-IBL5	Sediment	QC	QC				
20	0E12047-CCV3	Sediment	QC	QC				A20C184
21	0E12047-CCV4	Sediment	QC	QC				A20C359
22	0E12047-CCB2	Sediment	QC	QC				A20D303
23	A0D0756-05RE1	Soil	8081B Pesticides		05/13/20	0050392		
24	A0D0756-07RE1	Soil	8081B Pesticides		05/13/20	0050392		
25	A0D0756-09RE1	Soil	8081B Pesticides		05/13/20	0050392		
26	A0E0034-02RE1	Soil	8081B Pesticides		05/14/20	0050392		
27	A0E0034-04RE1	Soil	8081B Pesticides		05/14/20	0050392		
28	A0E0034-06RE1	Soil	8081B Pesticides		05/14/20	0050392		
29	0050392-MS1	Soil	QC	QC		0050392		
30	0E12047-CCV5	Sediment	QC	QC				A20C183
31	0E12047-CCB3	Sediment	QC	QC				A20D303
32	0E12047-IBL6	Sediment	QC	QC				
33	0E12047-IBL7	Sediment	QC	QC				

Data Entered By: MSB 5/13/20

Comments:

Data Reviewed By: MSB 5/13/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0E12047 BKD1

Data File: ECD3-05122003.D

First Column Area Counts		Percent Breakdown	
DDE	613807		
DDD	5363495		
DDT	118210564	4.81	PASS
Endrin	74636855	8.26	PASS
Endrin Aldehyde	1719407		
Endrin Ketone	4997437		

Second Column Area Counts		Percent Breakdown	
DDE	699529		
DDD	5908920		
DDT	67913539	8.87	PASS
Endrin	49988317	7.99	PASS
Endrin Aldehyde	1077796		
Endrin Ketone	3262459		

Breakdown must be less than 15% to accept sample data.

*NUB
5/13/12*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 13:37
 Operator : MJB
 Sample : 0E12047-BKD1
 Misc : A20C091
 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 12 14:36:03 2020
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200410RT6.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	7.586	613807	NoCal	ng/mL
2) Endrin	7.958	74636855	NoCal	ng/mL
3) 4,4'-DDD	8.010	5363495	NoCal	ng/mL
4) 4,4'-DDT	8.208	118210564	NoCal	ng/mL
5) Endrin Aldehyde	8.408	1719407	NoCal	ng/mL
6) Endrin Ketone	8.909	4997437	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.271	699529	NoCal	ng/mL
9) Endrin [2C]	8.637	49988317	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.688	5908920	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.025	1077796	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.914	67913539	NoCal	ng/mL
13) Endrin Ketone [2C]	9.617	3262459	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

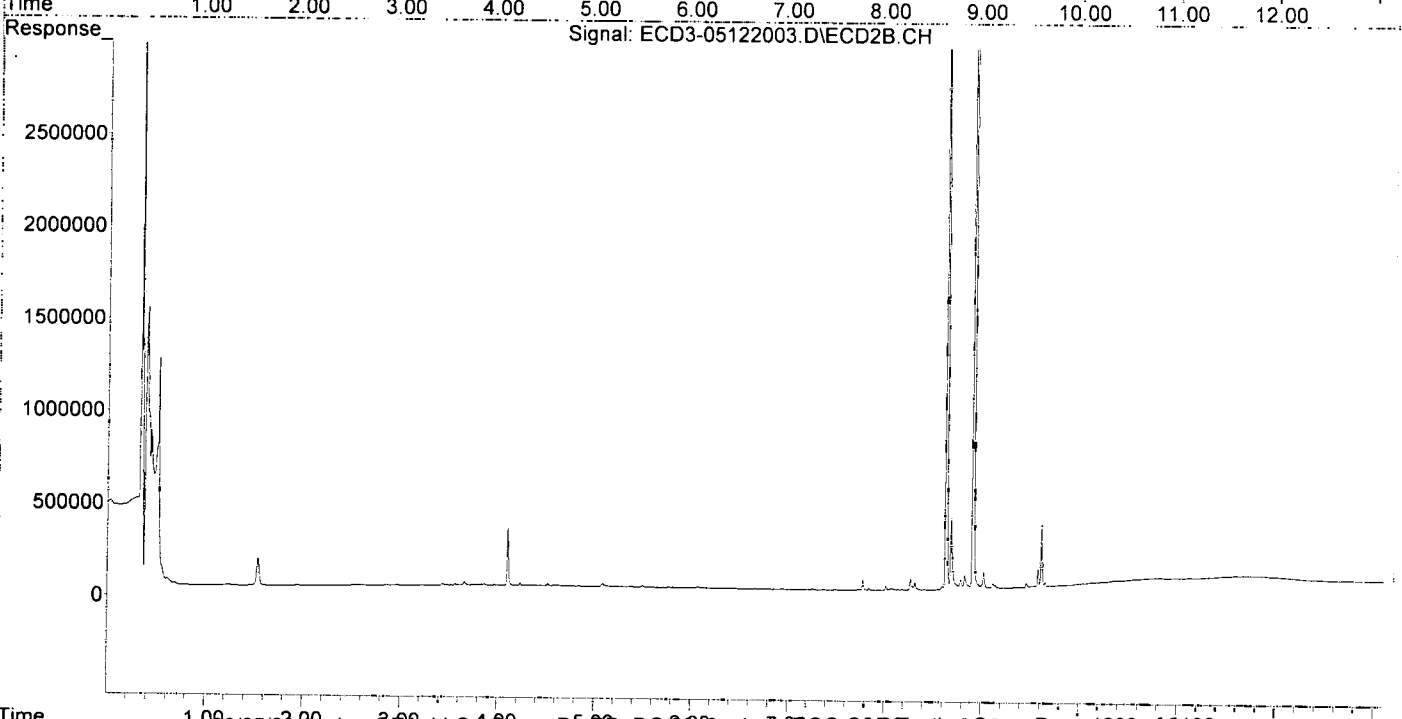
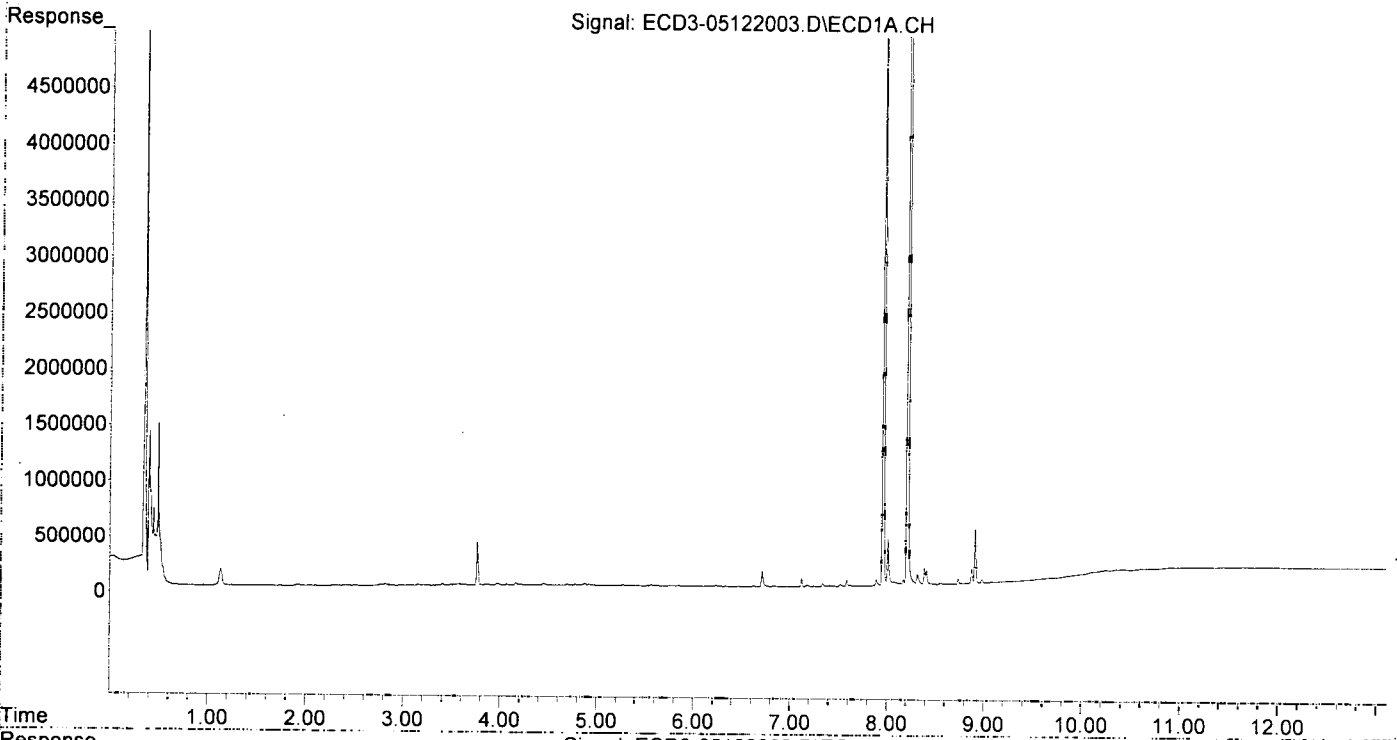
(m)=manual int.

MA
5/13/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 13:37
Operator : MJB
Sample : 0E12047-BKD1
Misc : A20C091
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 12 14:36:03 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200410RT6.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\2020-05\0E12047\
 Data File : ECD3-05122004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 13:54
 Operator : MJB
 Sample : 0E12047-CCV1
 Misc : A20C183, 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 13 11:34:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 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)	5.377	5.894	7327549	5086515	49.475	45.660
2) S DCBP (S)	9.614	10.476	5505333	3472523	49.996	52.421
Target Compounds						
2) a-BHC	5.922	6.506	10519651	7469889	52.002	47.587
3) g-BHC	6.208	6.826	9094936	6573156	52.669	48.789
4) b-BHC	6.284	6.892	3488991	2750968	51.142	44.792
5) Heptachlor	6.619	7.201	8477172	5610387	51.770	49.561
6) d-BHC	6.435	7.148	7420473	5451923	52.864	44.602
7) Aldrin	6.861	7.467	8923439	6326277	53.229	47.603
8) Heptachlo...	7.327	7.909	8084608	5766364	51.697	48.995
9) trans-Chl...	7.423	8.050	7969280	5751533	50.644	47.690
10) cis-Chlor...	7.521	8.158	7830368	5519206	49.885	47.650
11) Endosulfa...	7.619	8.208	7221403	5259207	50.316	48.906
12) 4,4'-DDE	7.585	8.270	7433959	5549519	51.534	48.193
13) Dieldrin	7.792	8.410	8512877	5827639	52.970	48.668
14) Endrin	7.959	8.638	6709583	4615915	54.389	53.394
15) 4,4'-DDD	8.011	8.688	6003690	4510073	49.452	47.793
16) Endosulfa...	8.116	8.787	6147306	4585519	50.783	49.996
17) 4,4'-DDT	8.209	8.915	4915401	2949601	51.017	48.915
18) Endrin Al...	8.410	9.027	4906136	3739320	47.336	46.957
19) Endosulfa...	8.714	9.218	5745840	3541718	47.699	42.074
20) Methoxychlor	8.550	9.400	2369185	1499877	52.111	52.171
21) Endrin Ke...	8.910	9.618	6747660	4110367	46.844	42.961
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.762	6.402f	22373	3936	BelowCal	2197.592
25) Oxychlorane	7.262	7.845	35490	5426	0.074	3277.683 #
26) 2,4'-DDE	7.327	8.050	8084608	5751533	87.102	76.862
27) trans-Non...	7.521	8.106	7830368	24601	54.219	0.003 #
28) 2,4'-DDD	0.000	8.410	0	5827639	N.D.	89.767 #
29) 2,4'-DDT	7.891	8.638	19056	4615915	0.253	86.054 #
30) cis-Nonac...	8.011f	8.688	6003690	4510073	38.785	39.133
31) Mirex	8.661	9.618	27957	4110367	7125.602	61.326 #
32) Chlordane...	7.521	8.158	7830368	5519206	443.635	381.497
33) Chlordane...	7.619	8.270	7221403	5549519	348.489	448.940
34) Chlordane...	8.173	8.915	182194	2949601	34.242	814.504 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.619	0.000	7221403	0	8675.241	N.D. #
37) Toxaphene...	7.891f	8.832f	19056	81716	12.646	59.906 #
38) Toxaphene...	8.262f	8.915f	39884	2949601	12.823	1359.047 #
39) Toxaphene...	8.500	0.000	60353	0	15.526	N.D. #
40) Toxaphene...	8.714	9.147	5745840	188243	2439.717	100.551 #
41) Toxaphene...	8.809f	9.520	16680	43413	5.499	21.449 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

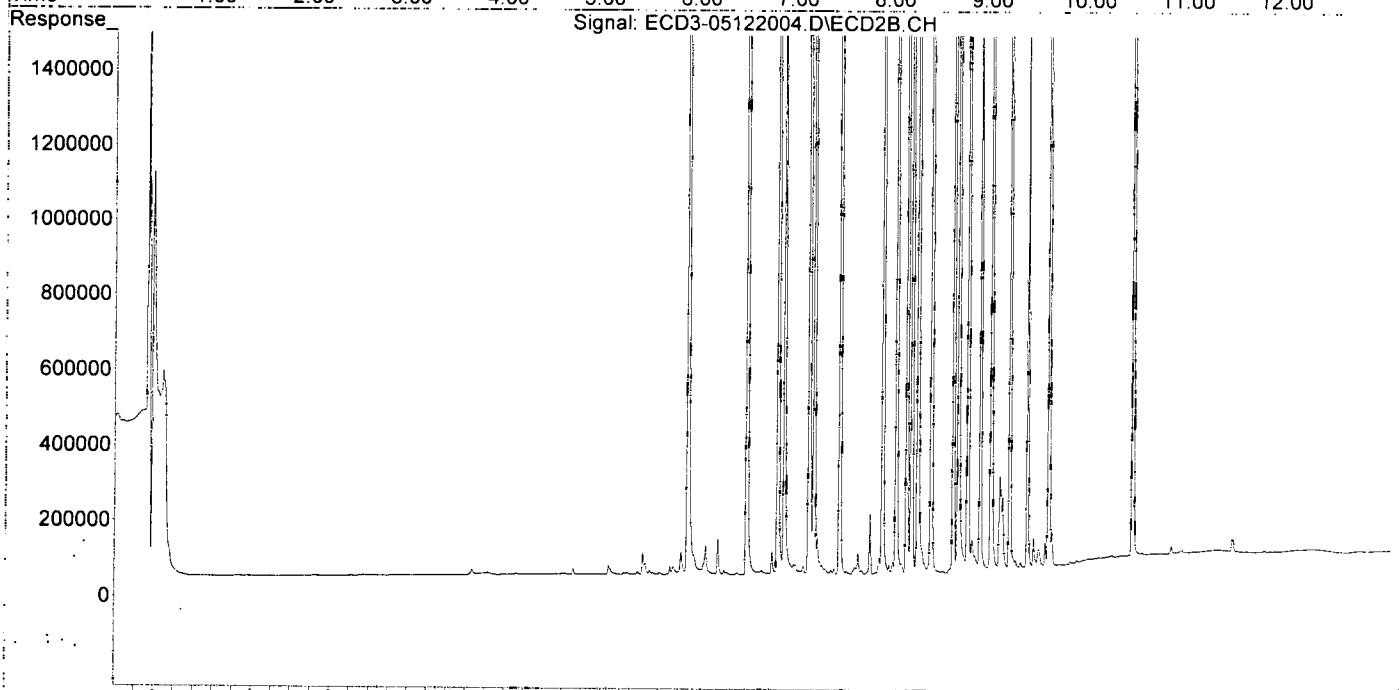
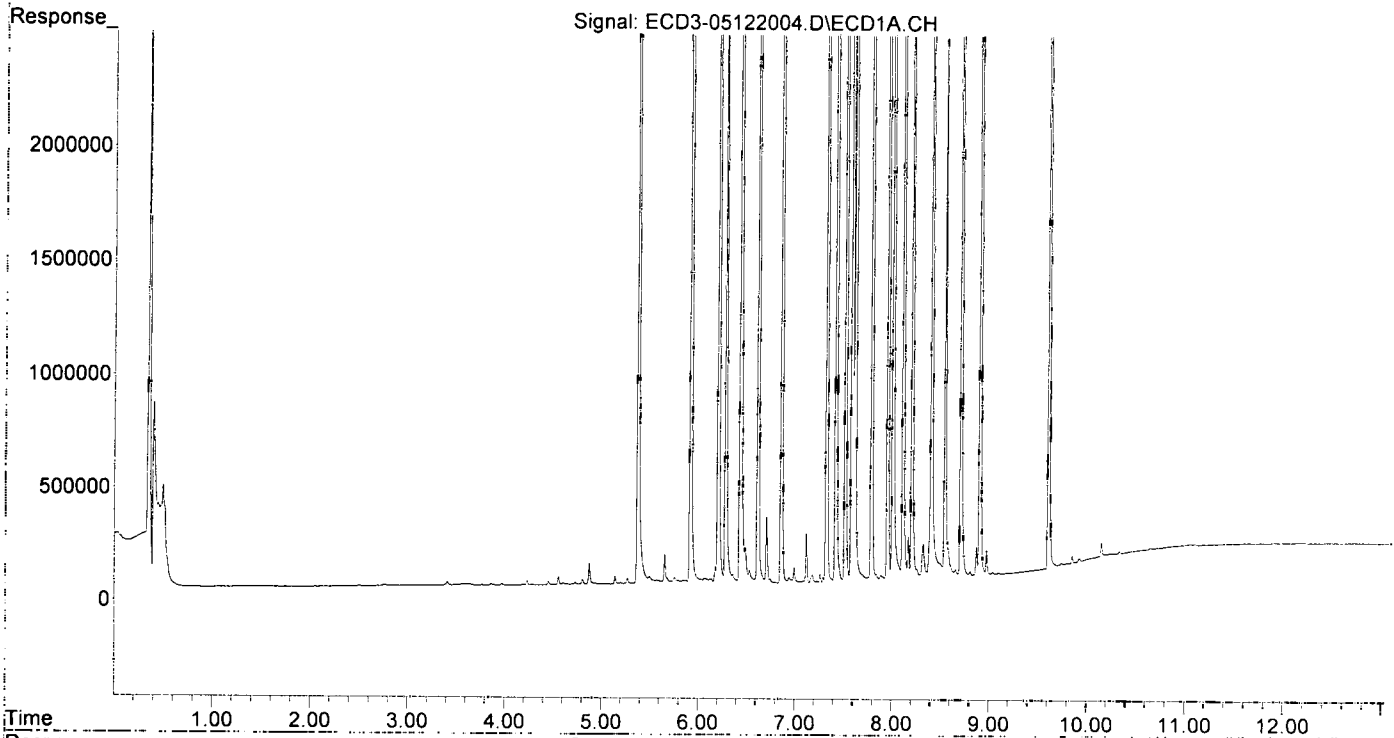
MJB 5/13/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 13:54
Operator : MJB
Sample : 0E12047-CCV1
Misc : A20C183, 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 13 11:34:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 14:11
 Operator : MJB
 Sample : 0E12047-CCV2
 Misc : A20C358, 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 13 11:34:40 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

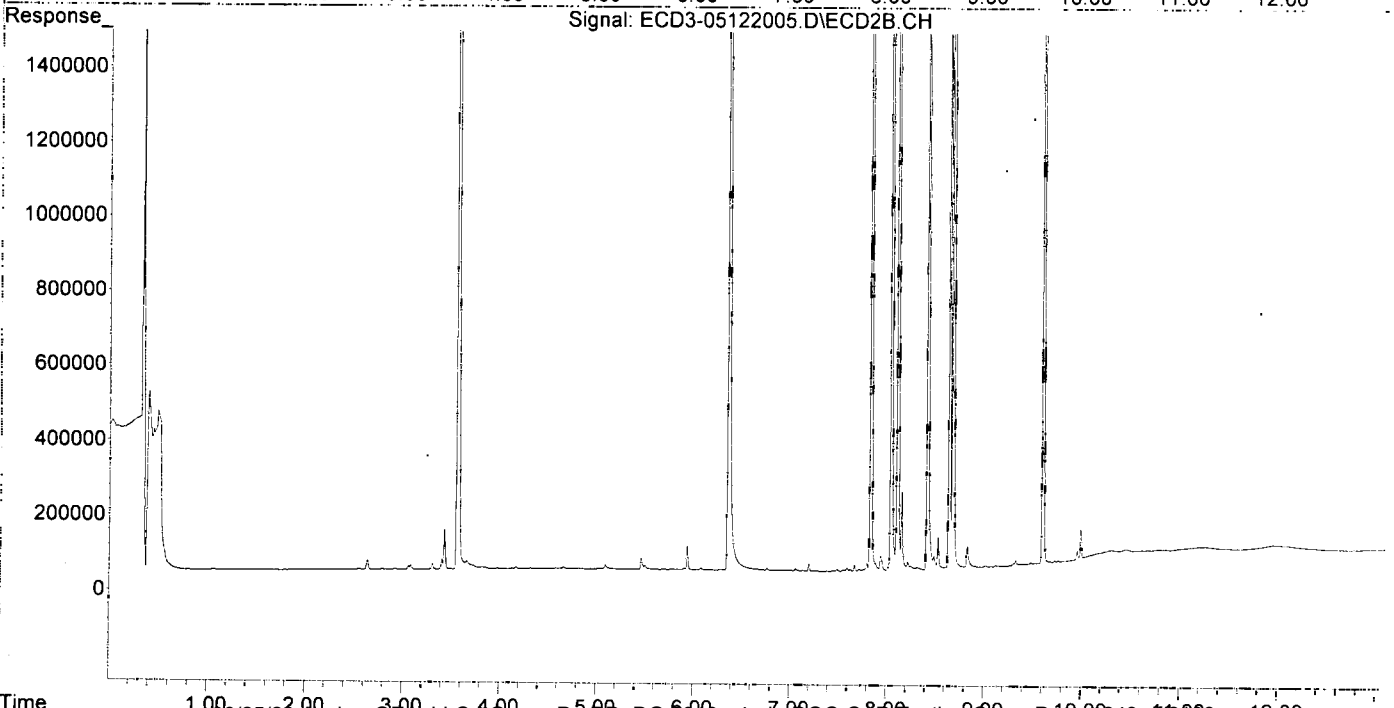
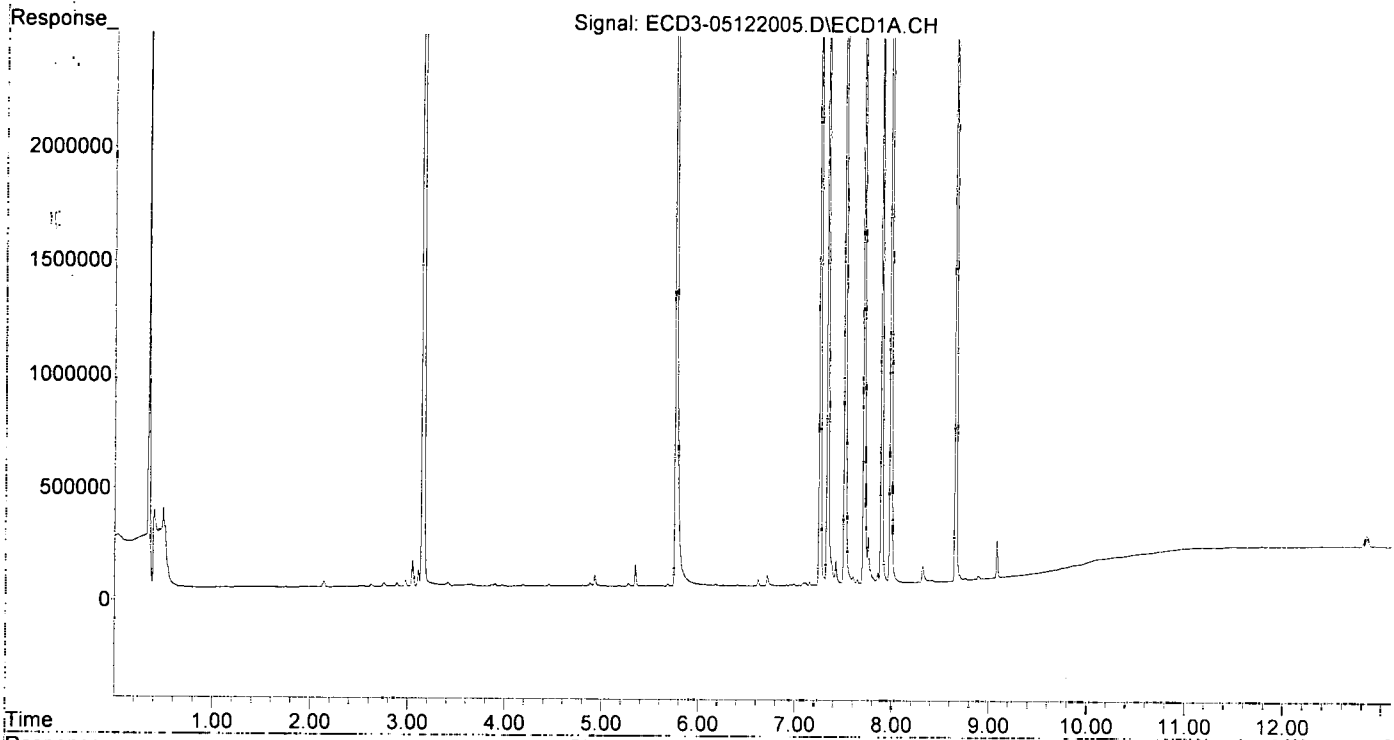
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.351f	5.914f	95092	3786	0.642	1884.081 #
2) S DCBP (S)	0.000	10.464	0	7155	N.D.	2279.983 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.179f	0.000	5614	0	0.033	N.D. #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.621	7.202	29387	17726	0.179	0.157
6) d-BHC	6.405f	0.000	4169	0	0.030	N.D. #
7) Aldrin	0.000	7.494f	0	5011	N.D.	0.038 #
8) Heptachlo...	7.334	7.944f	4676040	39118	29.901	0.332 #
9) trans-Chl...	7.424	8.047	105430	3611882	0.670	29.949 #
10) cis-Chlor...	7.514	8.159	7332400	209515	46.712	1.809 #
11) Endosulfa...	7.602	8.223	32047	21759	0.223	0.202
12) 4,4'-DDE	7.602	0.000	32047	0	0.222	N.D. #
13) Dieldrin	7.778	8.423	60340	3187613	0.375	26.620 #
14) Endrin	7.987f	8.648	8033314	2332330	65.119	26.979 #
15) 4,4'-DDD	7.987f	8.685	8033314	5889430	66.170	62.410
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...	8.418	9.030	9395	3066	BelowCal	3407.170
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...	8.892	9.609	13828	3383561	0.096	35.365 #
23) Hexachlor...	3.154	3.568	8631212	7616742	50.856	48.923
24) Hexachlor...	5.764	6.366	6406544	4556840	47.361	42.374
25) Oxychlorane	7.256	7.839	6677201	4779532	51.167	48.948
26) 2,4'-DDE	7.334	8.047	4676040	3611882	50.861	47.505
27) trans-Non...	7.514	8.115	7332400	5383632	50.777	49.827
28) 2,4'-DDD	7.710	8.423	4097060	3187613	49.925	48.315
29) 2,4'-DDT	7.893	8.648	3650705	2332330	48.495	43.481
30) cis-Nonac...	7.987	8.685	8033314	5889430	51.854	51.426
31) Mirex	8.658	9.609	4913482	3383561	49.612	50.249
32) Chlordane...	7.514f	8.159	7332400	209515	415.422	14.482 #
33) Chlordane...	7.646	0.000	19292	0	0.931	N.D. #
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...	7.646	8.492	19292	33233	23.176	29.673
37) Toxaphene...	7.893f	8.836f	3650705	54478	2422.763	39.938 #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	0.000	9.130	0	1620	N.D.	BelowCal
41) Toxaphene...	8.760f	9.488f	9364	3080	3.087	1.522 #
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\2020-05\0E12047\
Data File : ECD3-05122005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 14:11
Operator : MJB
Sample : 0E12047-CCV2
Misc : A20C358, 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 13 11:34:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 14:29
 Operator : MJB
 Sample : 0E12047-CCB1
 Misc : A20D303
 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 13 11:34:45 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

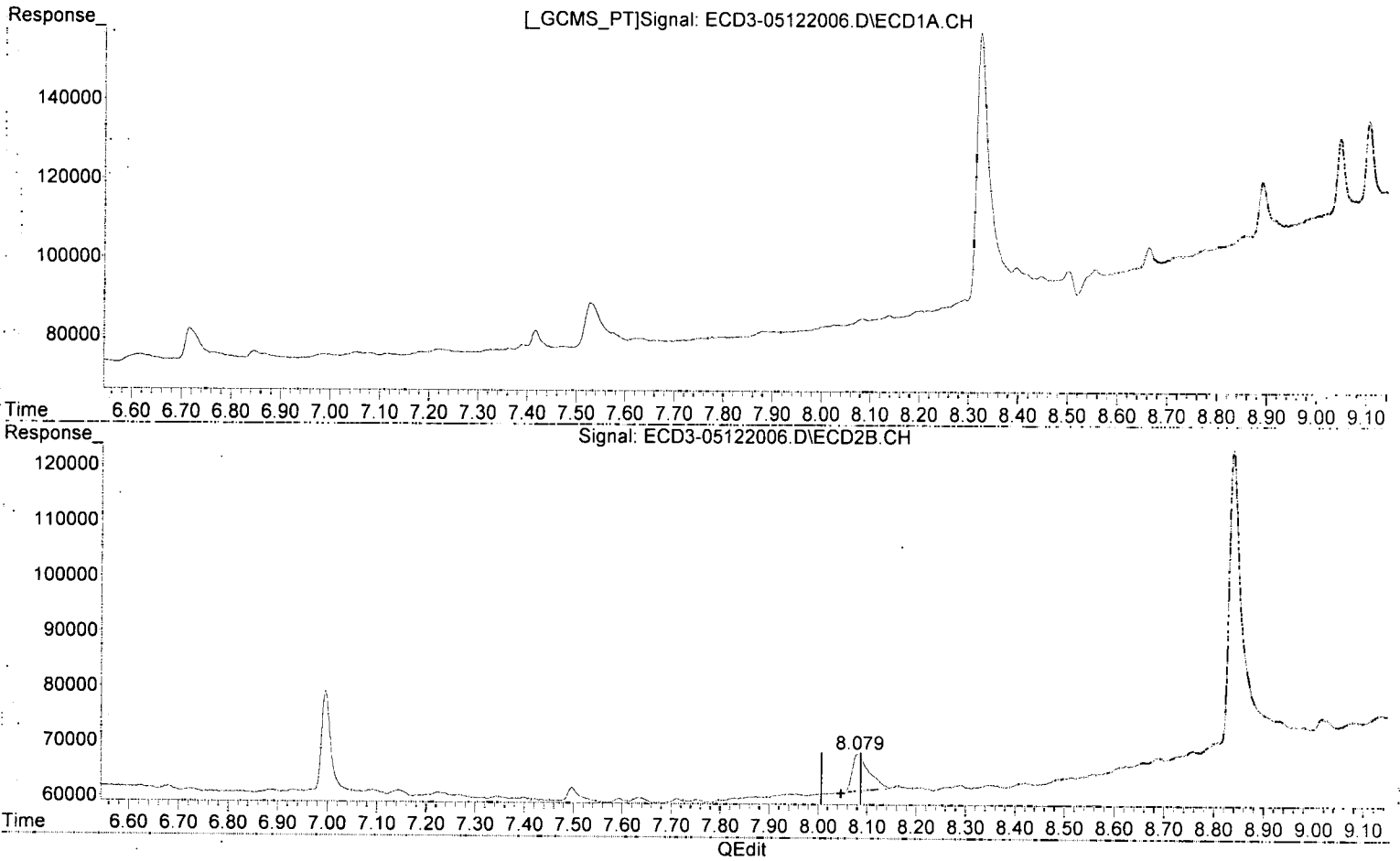
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.379	5.896	13411136	9335371	90.550	85.791
22) S DCBP (S)	9.616	10.478	10673771	6655556	96.995	103.042
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	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...	7.417	8.079f	4656	6773	0.030	0.056 #
10) cis-Chlor...	7.528	0.000	10562	0	0.067	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	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	8.687	0	646	N.D.	0.007 #
16) Endosulfa...	0.000	8.808f	0	1040	N.D.	0.011 #
17) 4,4'-DDT	0.000	8.932	0	1859	N.D.	0.105 #
18) Endrin Al...	8.396	0.000	4127	0	BelowCal	N.D.
19) Endosulfa...	0.000	9.229	0	851	N.D.	0.010 #
20) Methoxychlor	8.554	0.000	3448	0	0.122	N.D. #
21) Endrin Ke...	8.890	0.000	12631	0	0.088	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.765	0.000	23070	0	BelowCal	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.079f	0	6773	N.D.	2144.895 #
27) trans-Non...	7.528	8.079f	10562	6773	BelowCal	1953.502
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.687f	0	646	N.D.	0.012 #
30) cis-Nonac...	0.000	8.687	0	646	N.D.	2549.554 #
31) Mirex	8.663	0.000	4687	0	7125.837	N.D. #
32) Chlordane...	7.528	0.000	10562	0	0.598	N.D. #
33) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34) Chlordane...	0.000	8.932	0	1859	N.D.	BelowCal
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	8.838f	0	52843	N.D.	38.740 #
38) Toxaphene...	0.000	8.932f	0	1859	N.D.	0.856 #
39) Toxaphene...	0.000	8.932f	0	1859	N.D.	BelowCal
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

Q-261

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 14:29
Operator : MJB
Sample : 0E12047-CCB1
Misc : A20D303
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 13 11:34:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

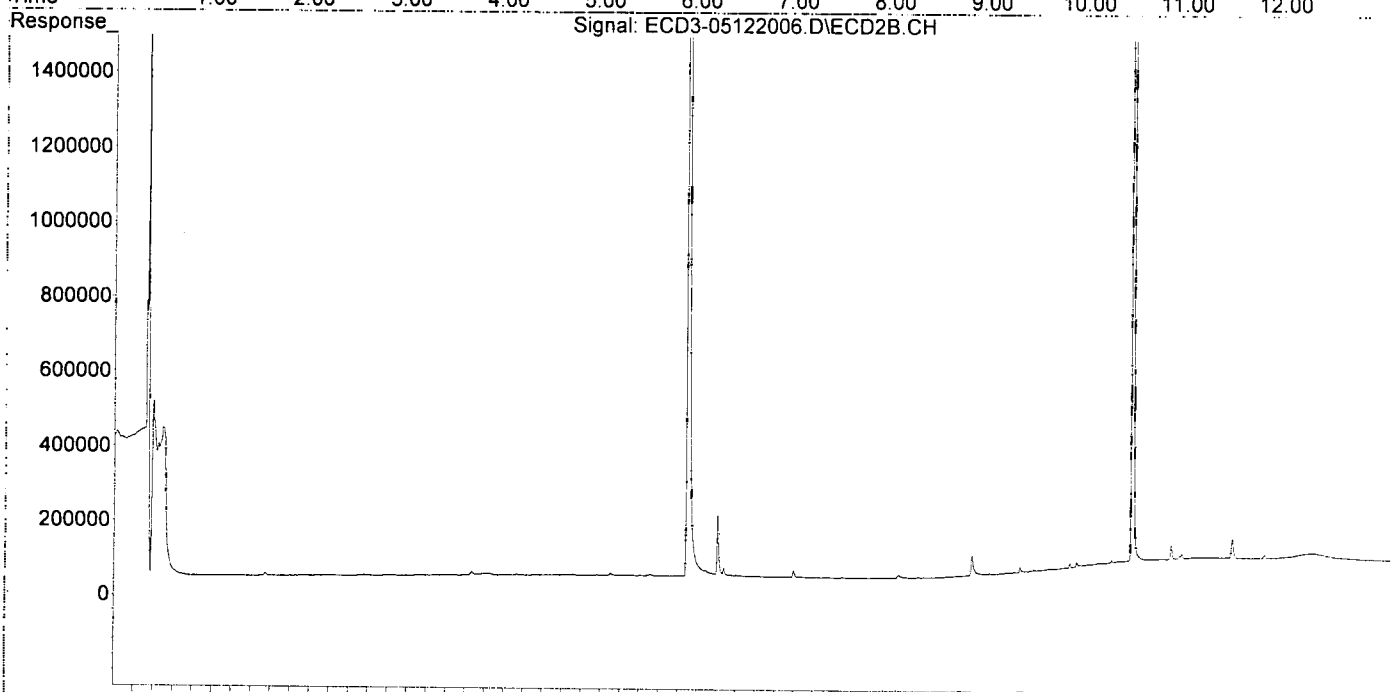
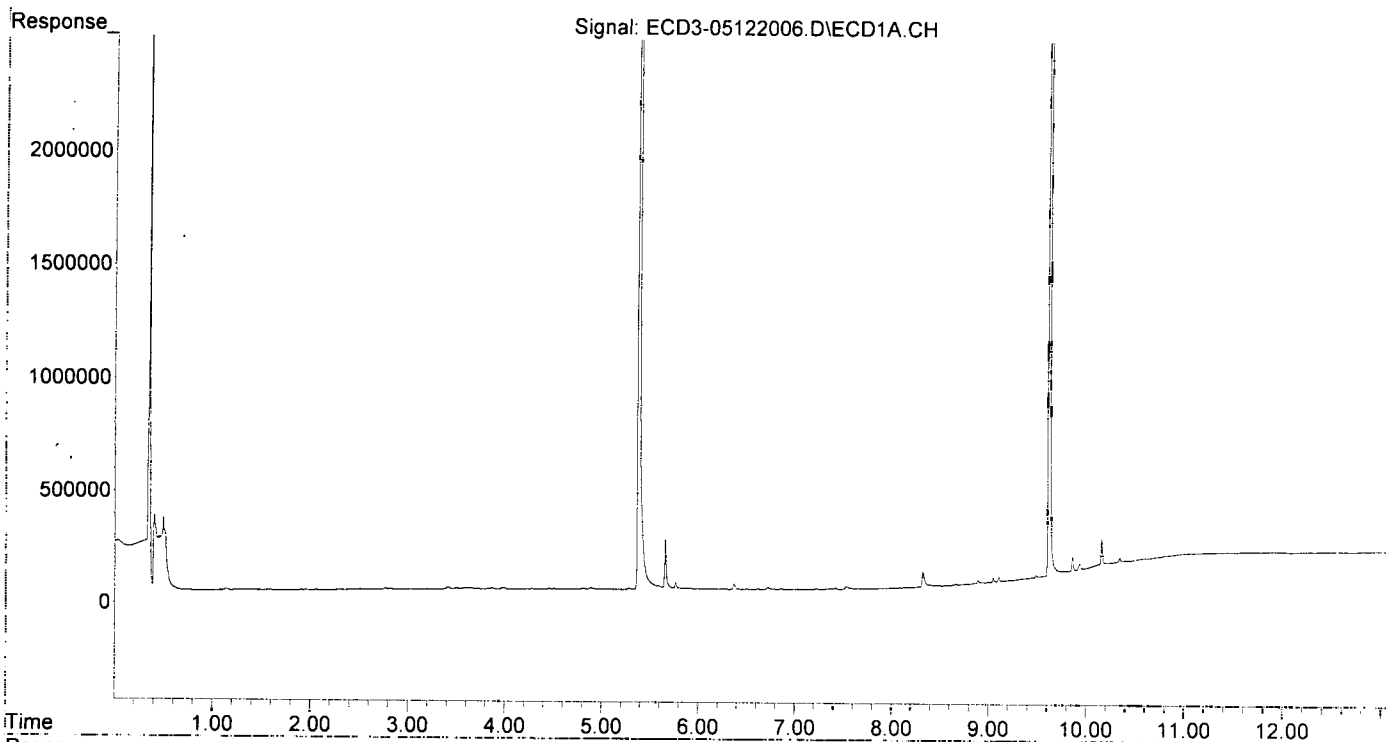
MJB
5/13/20

(26) 2,4'-DDE #2
8.079min 2144.895 ng/mL QDCL
response 6773

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 14:29
Operator : MJB
Sample : 0E12047-CCB1
Misc : A20D303
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 13 11:34:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 15:08
 Operator : MJB
 Sample : 0050393-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 16:31:40 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJ 5/13/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL

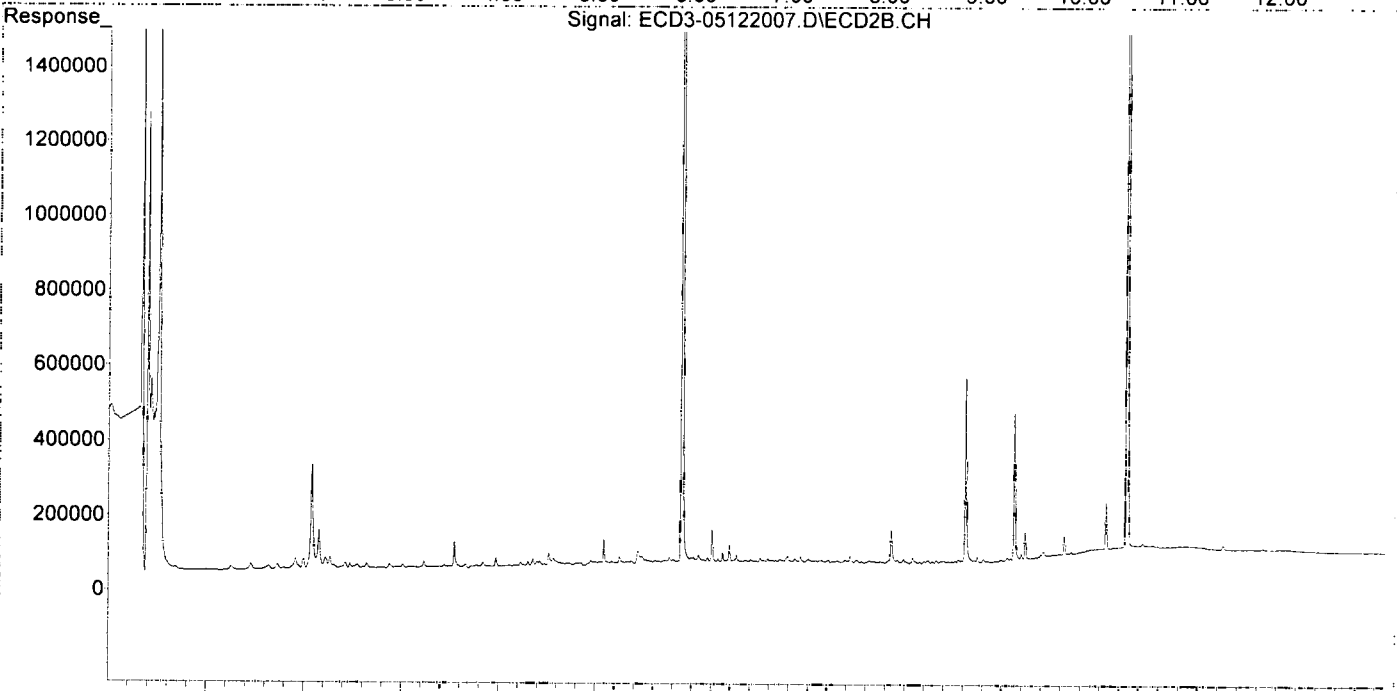
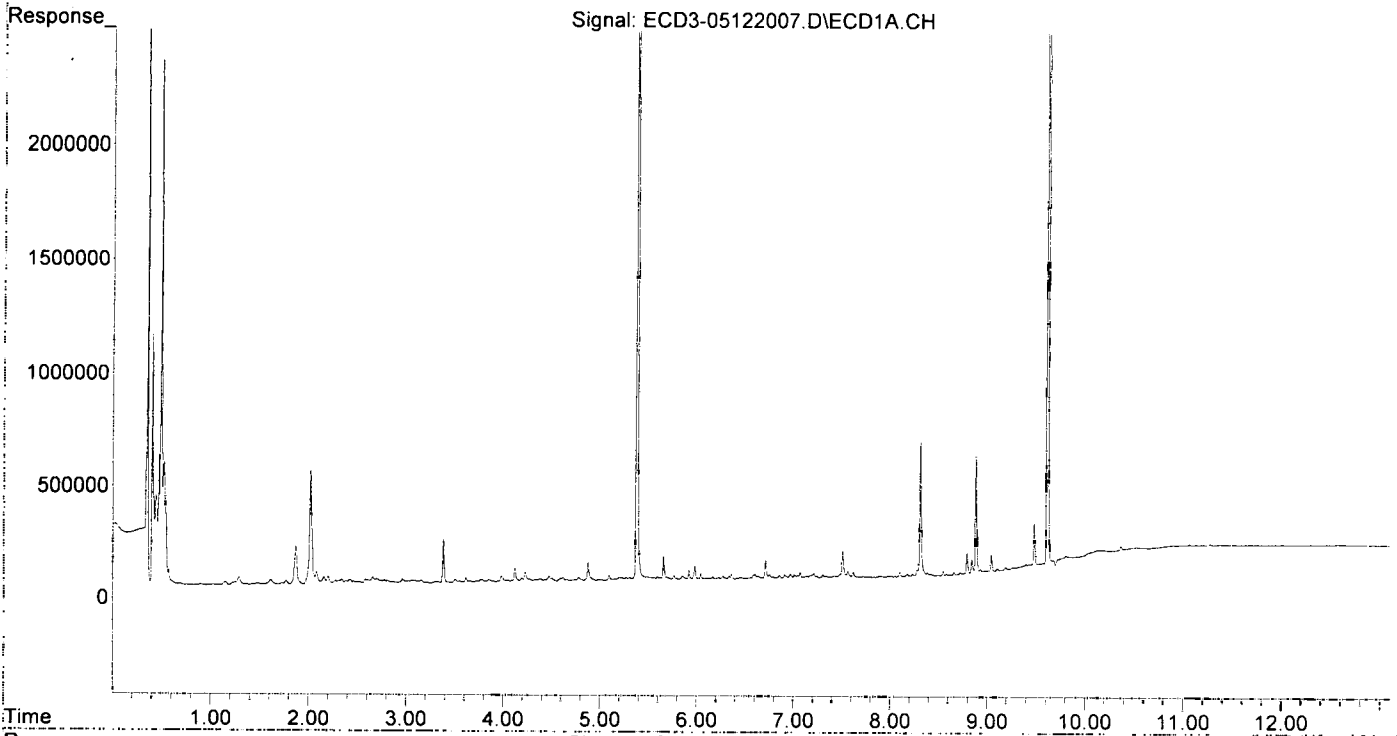
System Monitoring Compounds							
1)	S TCMX (S)	5.381	5.895	5626469	4454872	37.989	39.846
2)	S DCBP (S)	9.616	10.477	5394885	3250992	48.990	48.986
Target Compounds							
2)	a-BHC	5.920	0.000	38599	0	0.191	N.D. #
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	6.273	6.912f	13089	14070	0.192	0.229
5)	Heptachlor	6.630	7.208	8992	13929	0.055	0.123 #
6)	d-BHC	6.457f	7.124f	5532	20935	0.039	0.171 #
7)	Aldrin	6.858	0.000	9946	0	0.059	N.D. #
8)	Heptachlo...	7.306f	7.877f	12942	7159	0.083	0.061
9)	trans-Chl...	7.431	8.062	7715	91971	0.049	0.763 #
10)	cis-Chlor...	7.511	8.189f	117895	11823	0.751	0.102 #
11)	Endosulfa...	7.620	8.189	24318	11823	0.169	0.110
12)	4,4'-DDE	7.566	8.283	28709	16309	0.199	0.142
13)	Dieldrin	0.000	8.401	0	6218	N.D.	0.052 #
14)	Endrin	7.983f	8.648	6099	4293	0.049	0.050
15)	4,4'-DDD	8.012	8.685	5848	3252	0.048	0.034m
16)	Endosulfa...	8.101	8.785	20776	5918	0.172	0.065 #
17)	4,4'-DDT	8.231f	8.915	10053	6122	0.210	0.183
18)	Endrin Al...	8.387f	9.008	14787	7615	BelowCal	3407.113
19)	Endosulfa...	8.722	9.190f	7681	4210	0.064	0.050
20)	Methoxychlor	8.549	9.400	20227	14874	0.531	0.621
21)	Endrin Ke...	8.931f	9.621	15507	14366	0.108	0.150
23)	Hexachlor...	3.156	3.545f	14220	68154	2108.620	0.208 #
24)	Hexachlor...	5.766	6.388f	16038	53273	BelowCal	0.245
25)	Oxychlorane	0.000	7.837	0	9908	N.D.	3277.637 #
26)	2,4'-DDE	7.316	8.062	5836	91971	BelowCal	0.958
27)	trans-Non...	7.511	8.126	117895	10693	0.615	1953.466 #
28)	2,4'-DDD	7.724	8.432	6912	8325	BelowCal	3167.762
29)	2,4'-DDT	7.889	8.648	5371	4293	0.071	0.080
30)	cis-Nonac...	7.983	8.720f	6099	4038	BelowCal	2549.525
31)	Mirex	8.659	9.596	12587	8127	7125.757	3567.409 #
32)	Chlordane...	7.566f	8.126f	28709	10693	1.627	0.739 #
33)	Chlordane...	7.620	8.283	24318	16309	1.174	1.319
34)	Chlordane...	8.180	8.915	11365	6122	2.136	BelowCal #
35)	Chlordane...	3.784	3.775	14398	7444	NoCal	NoCal
36)	Toxaphene...	7.620	8.527	24318	7740	29.214	6.911 #
37)	Toxaphene...	7.889f	8.828f	5371	490100	3.564	359.294 #
38)	Toxaphene...	8.231	8.915f	10053	6122	3.232	2.821
39)	Toxaphene...	0.000	8.948	0	13653	N.D.	BelowCal
40)	Toxaphene...	8.722	0.000	7681	0	3.261	N.D. #
41)	Toxaphene...	8.794	9.516	93535	2350	30.835	1.161 #
42)	Toxaphene...	3.784	3.775	14398	7444	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\2020-05\0E12047\
Data File : ECD3-05122007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:08
Operator : MJB
Sample : 0050393-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

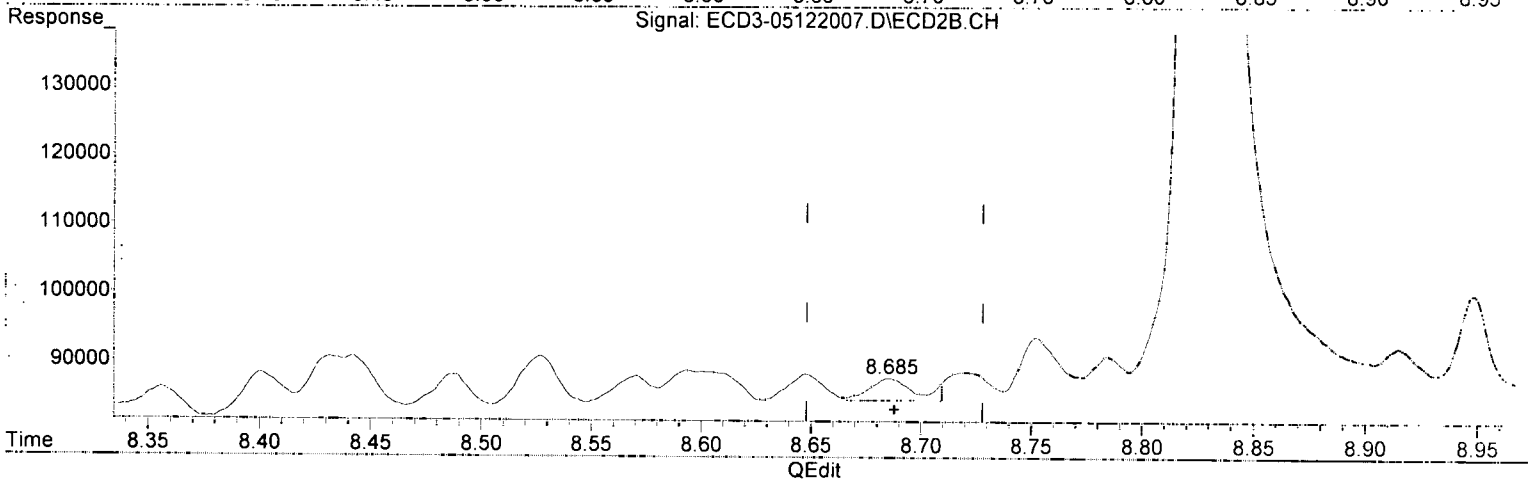
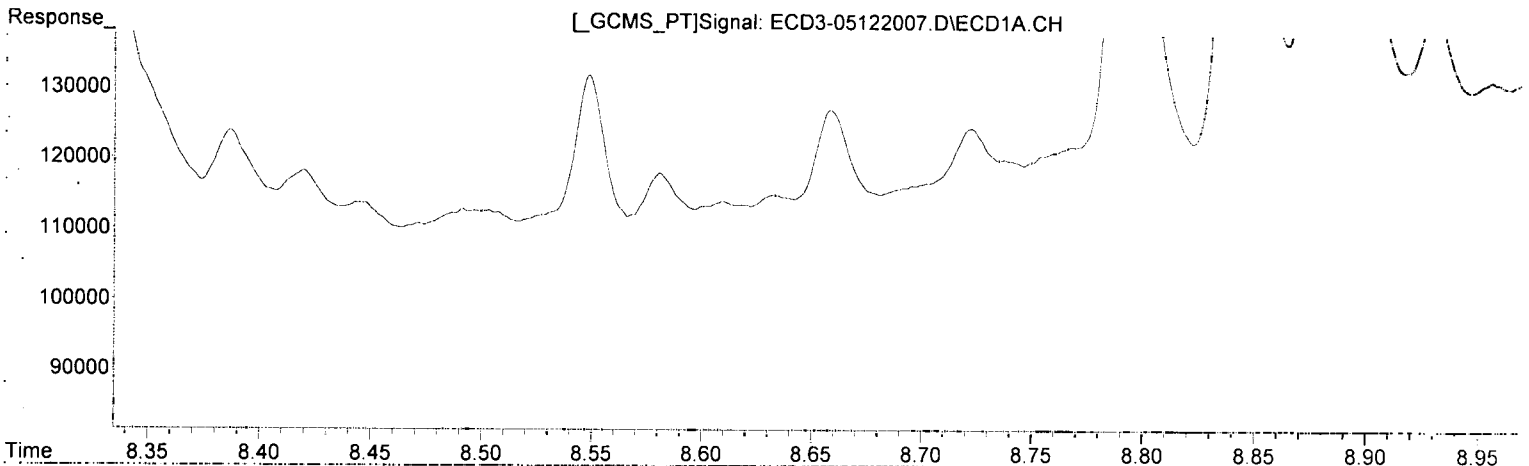
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 13 16:31:40 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:08
Operator : MJB
Sample : 0050393-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
8.012min 0.048 ng/mL
response 5848

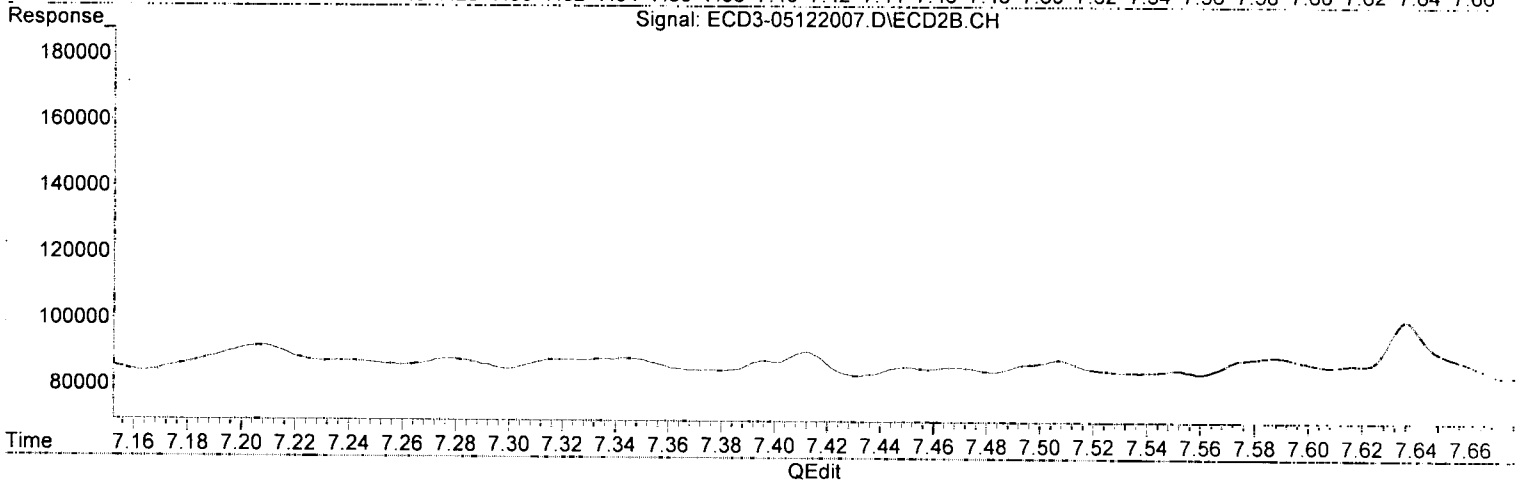
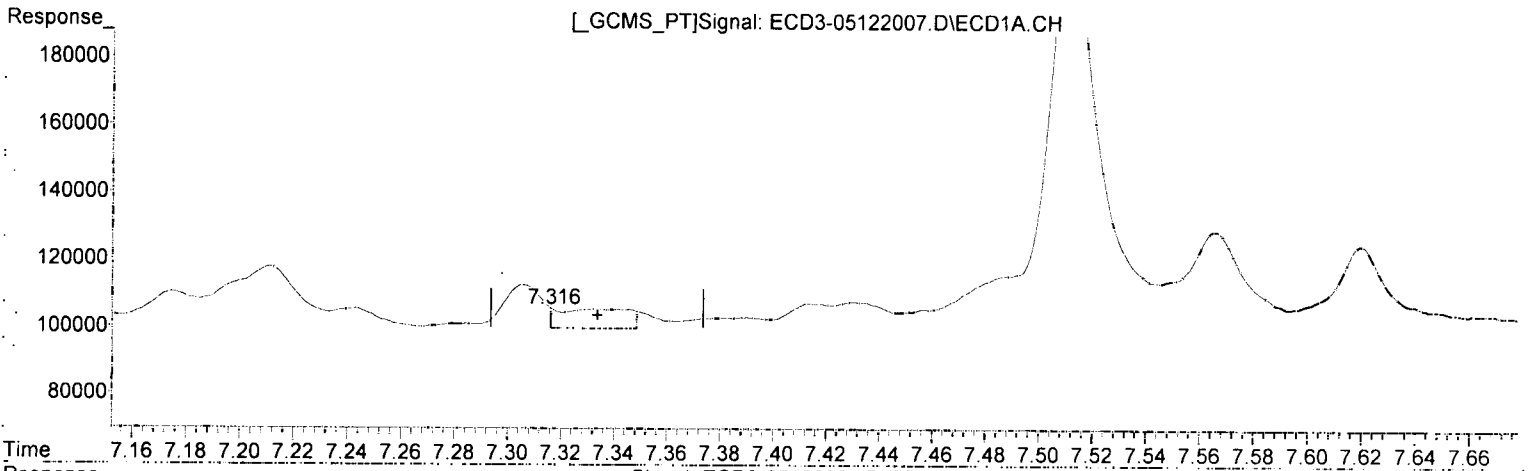
MJB
5/13/20

(15) 4,4'-DDD #2
8.685min 0.034 ng/mL (m)
response 3252

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:08
Operator : MJB
Sample : 0050393-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.316min -0.118 ng/mL
response 5836

MR 5/15/20

(26) 2,4'-DDE #2
8.062min 0.958 ng/mL
response 91971

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 15:08
 Operator : MJB
 Sample : 0050393-BLK1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 11:34:48 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

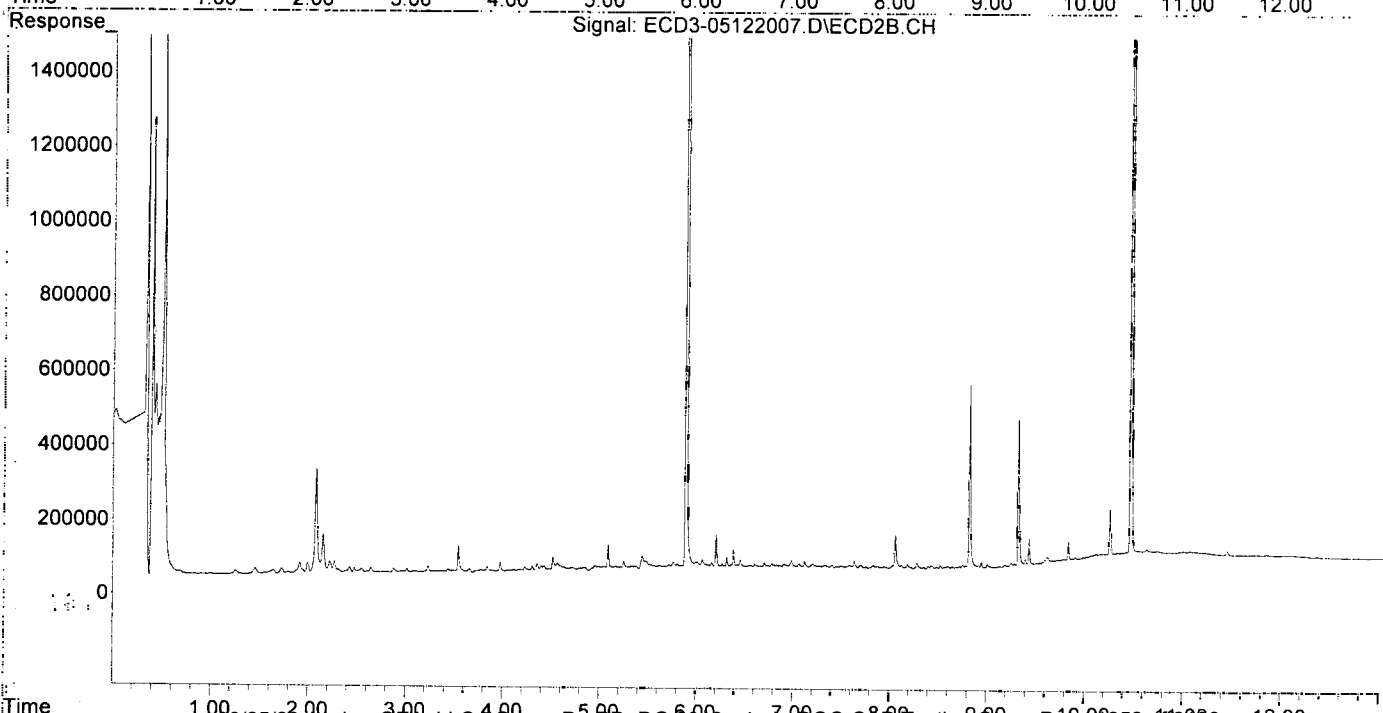
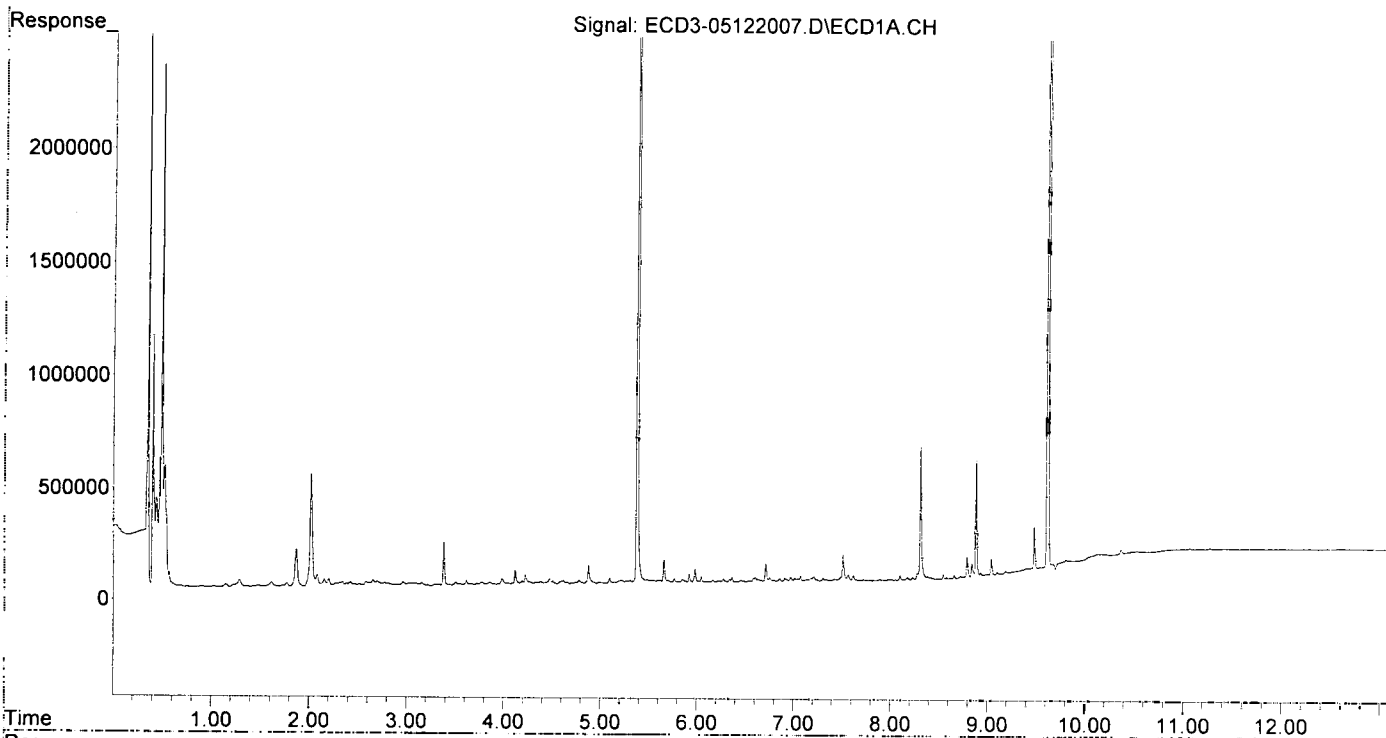
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.381	5.895	5626469	4454872	37.989	39.846
22) S DCBP (S)	9.616	10.477	5394885	3250992	48.990	48.986
Target Compounds						
2) a-BHC	5.920	0.000	38599	0	0.191	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.273	6.912f	13089	14070	0.192	0.229
5) Heptachlor	6.630	7.208	8992	13929	0.055	0.123 #
6) d-BHC	6.457f	7.124f	5532	20935	0.039	0.171 #
7) Aldrin	6.858	0.000	9946	0	0.059	N.D. #
8) Heptachlo...	7.306f	7.877f	12942	7159	0.083	0.061
9) trans-Chl...	7.431	8.062	7715	91971	0.049	0.763 #
10) cis-Chlor...	7.511	8.189f	117895	11823	0.751	0.102 #
11) Endosulfa...	7.620	8.189	24318	11823	0.169	0.110
12) 4,4'-DDE	7.566	8.283	28709	16309	0.199	0.142
13) Dieldrin	0.000	8.401	0	6218	N.D.	0.052 #
14) Endrin	7.983f	8.648	6099	4293	0.049	0.050
15) 4,4'-DDD	8.012	8.720f	5848	4038	0.048	0.043
16) Endosulfa...	8.101	8.785	20776	5918	0.172	0.065 #
17) 4,4'-DDT	8.231f	8.915	10053	6122	0.210	0.183
18) Endrin Al...	8.387f	9.008	14787	7615	BelowCal	3407.113
19) Endosulfa...	8.722	9.190f	7681	4210	0.064	0.050
20) Methoxychlor	8.549	9.400	20227	14874	0.531	0.621
21) Endrin Ke...	8.931f	9.621	15507	14366	0.108	0.150
23) Hexachlor...	3.156	3.545f	14220	68154	2108.620	0.208 #
24) Hexachlor...	5.766	6.388f	16038	53273	BelowCal	0.245
25) Oxychlordane	0.000	7.837	0	9908	N.D.	3277.637 #
26) 2,4'-DDE	7.306f	8.062	12942	91971	BelowCal	0.958
27) trans-Non...	7.511	8.126	117895	10693	0.615	1953.466 #
28) 2,4'-DDD	7.724	8.432	6912	8325	BelowCal	3167.762
29) 2,4'-DDT	7.889	8.648	5371	4293	0.071	0.080
30) cis-Nonac...	7.983	8.720f	6099	4038	BelowCal	2549.525
31) Mirex	8.659	9.596	12587	8127	7125.757	3567.409 #
32) Chlordane...	7.566f	8.126f	28709	10693	1.627	0.739 #
33) Chlordane...	7.620	8.283	24318	16309	1.174	1.319
34) Chlordane...	8.180	8.915	11365	6122	2.136	BelowCal #
35) Chlordane...	3.784	3.775	14398	7444	NoCal	NoCal
36) Toxaphene...	7.620	8.527	24318	7740	29.214	6.911 #
37) Toxaphene...	7.889f	8.828f	5371	490100	3.564	359.294 #
38) Toxaphene...	8.231	8.915f	10053	6122	3.232	2.821
39) Toxaphene...	0.000	8.948	0	13653	N.D.	BelowCal
40) Toxaphene...	8.722	0.000	7681	0	3.261	N.D. #
41) Toxaphene...	8.794	9.516	93535	2350	30.835	1.161 #
42) Toxaphene...	3.784	3.775	14398	7444	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\2020-05\0E12047\
Data File : ECD3-05122007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:08
Operator : MJB
Sample : 0050393-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 15:26 (#1); 12 May 2020 15:25 (#2)
 Operator : MJB
 Sample : 0050393-BS1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 11:34:52 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

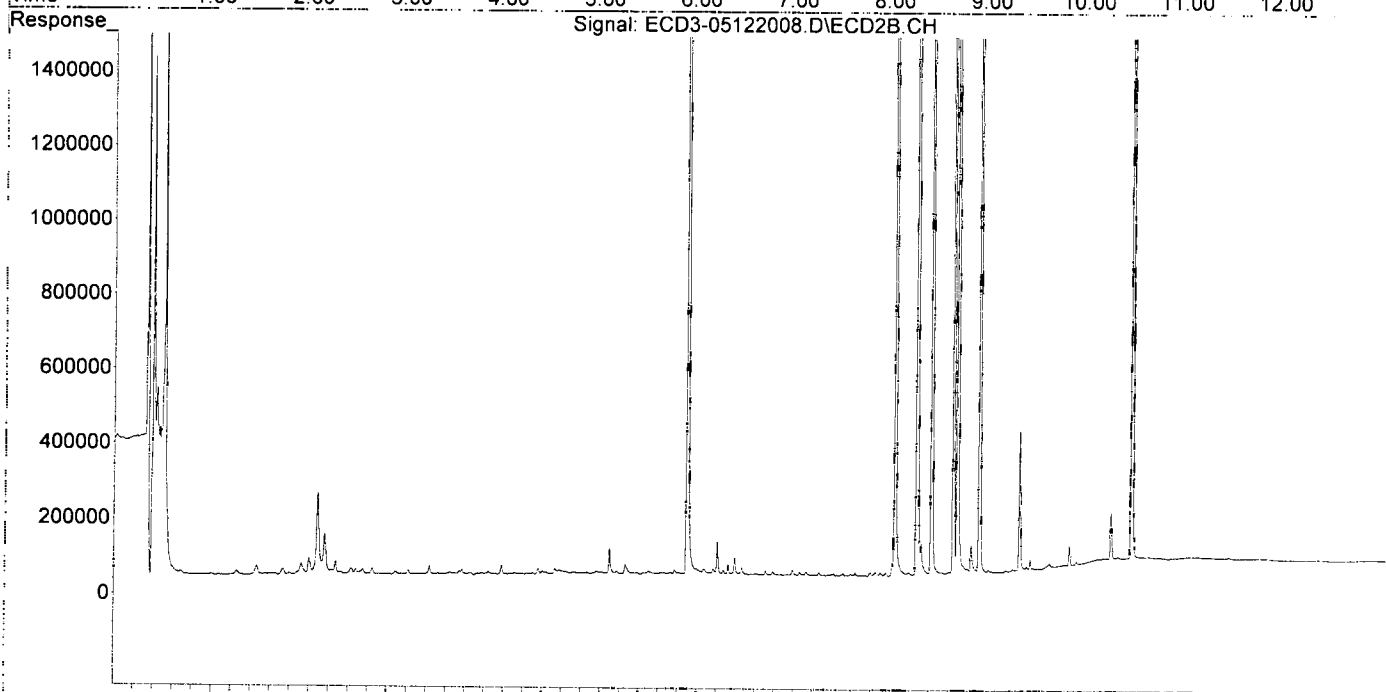
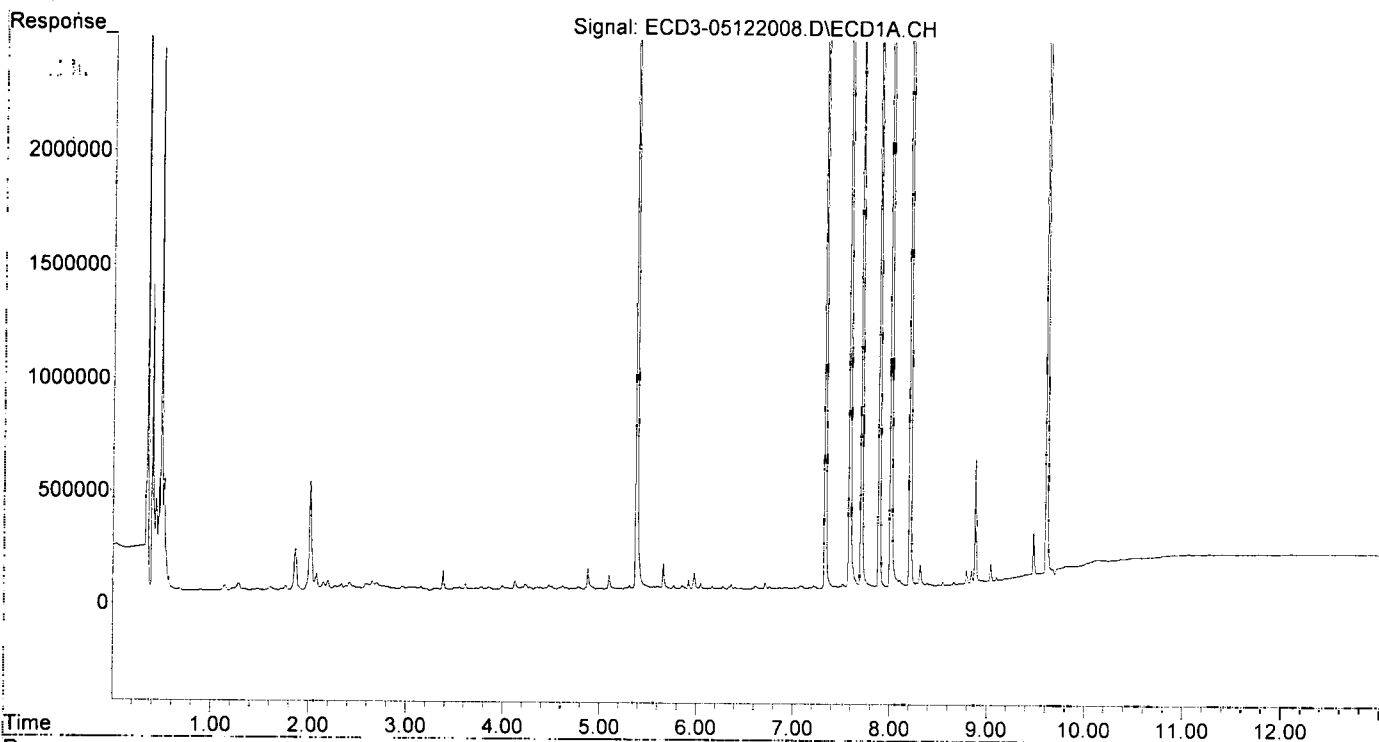
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.380	5.897	6157386	4516560	41.574	40.412
22) S DCBP (S)	9.615	10.477	5541824	3301304	50.328	49.765
Target Compounds						
2) a-BHC	5.920	0.000	37861	0	0.187	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.274	0.000	11478	0	0.168	N.D. #
5) Heptachlor	6.622	0.000	11043	0	0.067	N.D. #
6) d-BHC	6.399f	7.127f	6918	8626	0.049	0.071 #
7) Aldrin	6.860	0.000	6616	0	0.039	N.D. #
8) Heptachlo...	7.332	7.896	4771011	8629	30.508	0.073 #
9) trans-Chl...	7.415	8.047	10251	3608170	0.065	29.918 #
10) cis-Chlor...	7.515	8.191f	18664	7401	0.119	0.064 #
11) Endosulfa...	7.585f	8.191	7635948	7401	53.204	0.069 #
12) 4,4'-DDE	7.585	8.271	7635948	5607391	52.935	48.696
13) Dieldrin	0.000	8.423	0	3460879	N.D.	28.903 #
14) Endrin	0.000	8.648	0	3293307	N.D.	38.095 #
15) 4,4'-DDD	8.010	8.689	6825361	4978564	56.220	52.758
16) Endosulfa...	8.103	0.000	29744	0	0.246	N.D. #
17) 4,4'-DDT	8.209	8.917	6137850	3774203	62.165	61.106
18) Endrin Al...	8.387f	9.009	12283	8635	BelowCal	3407.101
19) Endosulfa...	8.721	9.186f	2918	4006	0.024	0.048 #
20) Methoxychlor	8.548	9.400	16389	10551	0.438	0.454
21) Endrin Ke...	8.929	9.633	11063	11507	0.077	0.120 #
23) Hexachlor...	3.154	3.569	11356	10856	2108.636	838.011 #
24) Hexachlor...	5.765	6.391f	14104	44874	BelowCal	0.168
25) Oxychlordane	7.233f	7.844	7747	9491	BelowCal	3277.641
26) 2,4'-DDE	7.332	8.047	4771011	3608170	51.882	47.454
27) trans-Non...	7.515	0.000	18664	0	BelowCal	N.D.
28) 2,4'-DDD	7.708	8.423	4986390	3460879	60.753	52.553
29) 2,4'-DDT	7.891	8.648	5080873	3293307	67.493	61.397
30) cis-Nonac...	8.010f	8.689	6825361	4978564	44.083	43.294
31) Mirex	8.661	9.597	11466	5249	7125.768	3567.451 #
32) Chlordane...	7.515f	8.191f	18664	7401	1.057	0.512 #
33) Chlordane...	0.000	8.271	0	5607391	N.D.	453.622 #
34) Chlordane...	8.209	8.917	6137850	3774203	1153.576	1043.048
35) Chlordane...	3.784	3.778	15241	6384	NoCal	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	7.891f	8.832f	5080873	75159	3371.884	55.100 #
38) Toxaphene...	8.209f	8.917f	6137850	3774203	1973.353	1738.988
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.721	0.000	2918	0	1.239	N.D. #
41) Toxaphene...	8.793	9.514	57963	2003	19.108	0.989 #
42) Toxaphene...	3.784	3.778	15241	6384	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\2020-05\0E12047\
Data File : ECD3-05122008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:26 (#1); 12 May 2020 15:25 (#2)
Operator : MJB
Sample : 0050393-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 15:43
 Operator : MJB
 Sample : A0D0763-01RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 16:35:09 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

M/P
5/13/20

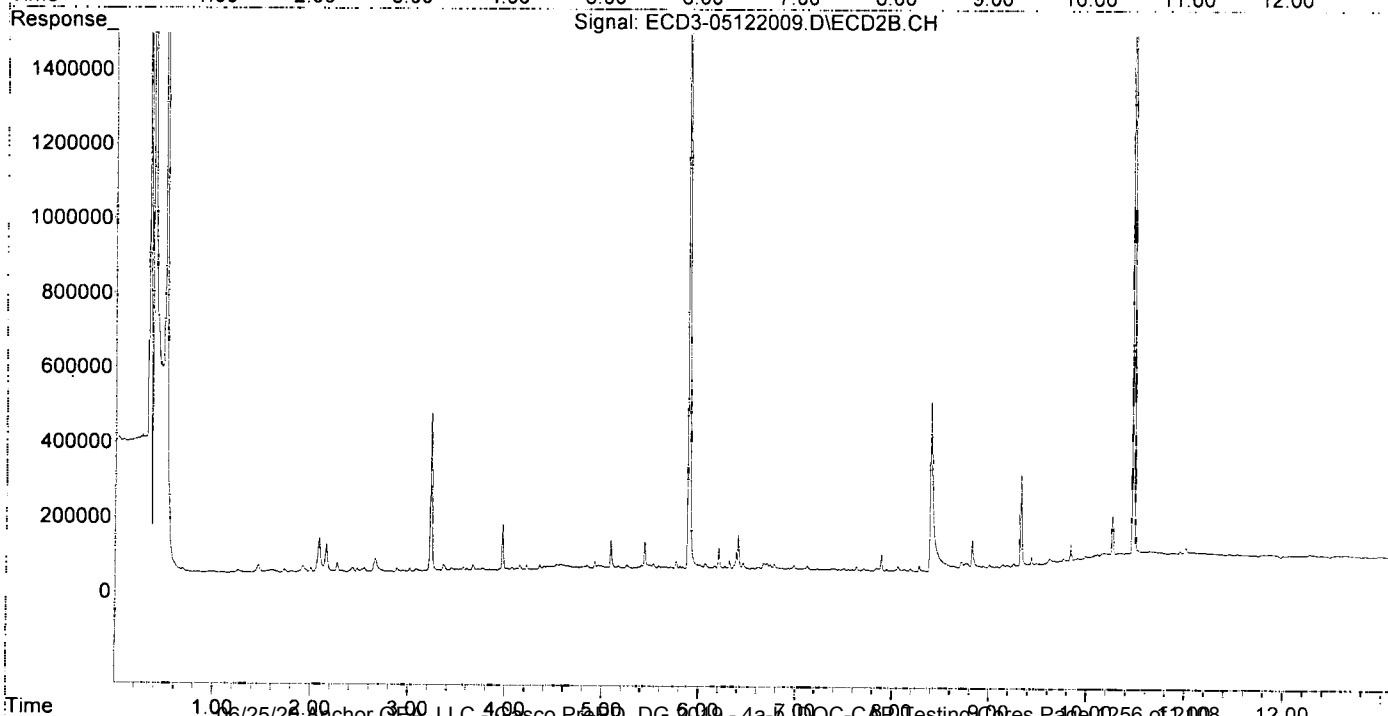
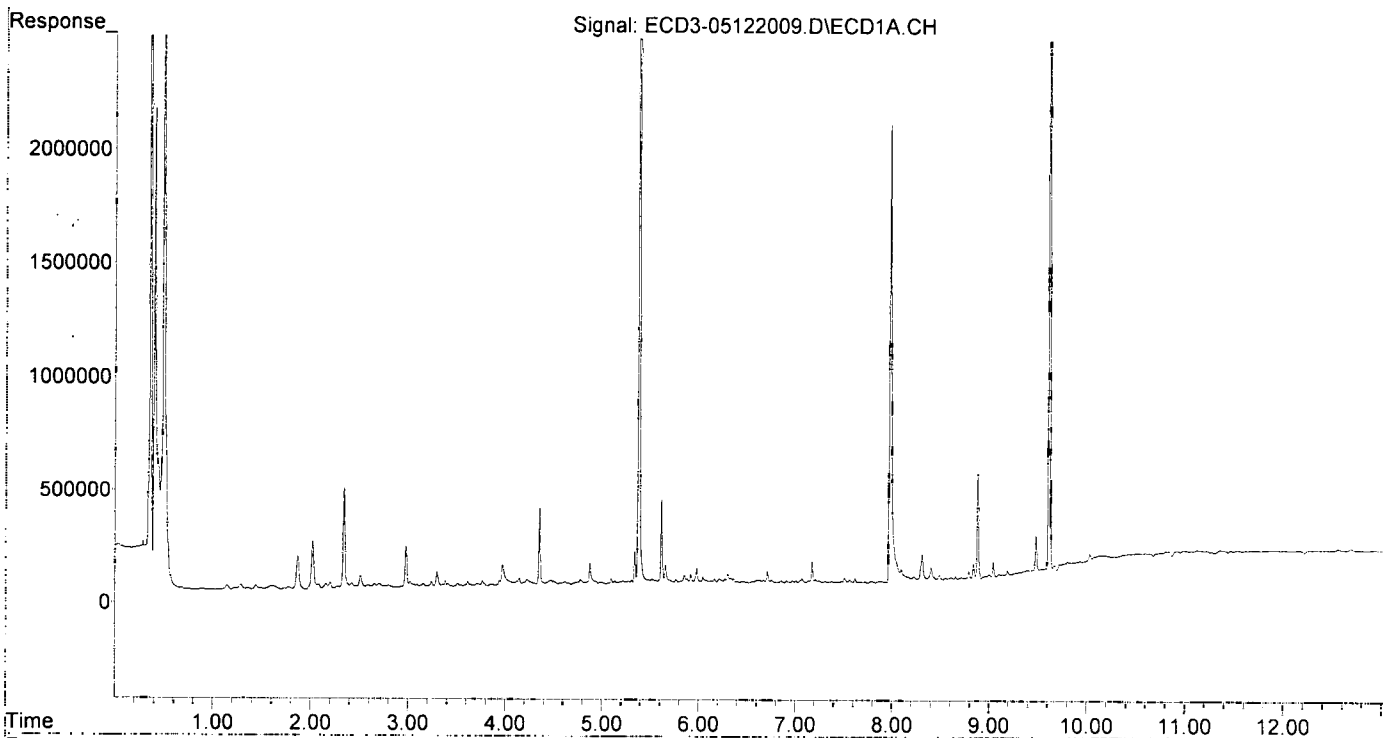
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.380	5.896	3655666	2682582	24.683	23.731
22) S DCBP (S)	9.614	10.478	4425492	2659564	40.158	39.866
Target Compounds						
2) a-BHC	5.919	0.000	44945	0	0.222	N.D. #
3) g-BHC	6.211	0.000	20259	0	0.117	N.D. #
4) b-BHC	6.272	0.000	22451	0	0.329	N.D. #
5) Heptachlor	6.628	0.000	14545	0	0.089	N.D. #
6) d-BHC	6.458f	7.125f	8707	9648	0.062	0.079
7) Aldrin	6.857	0.000	9203	0	0.055	N.D. #
8) Heptachlo...	0.000	7.894	0	44472	N.D.	0.378 #
9) trans-Chl...	0.000	8.064	0	12675	N.D.	0.105 #
10) cis-Chlor...	7.510	8.129f	19396	5370	0.124	0.046 #
11) Endosulfa...	7.618	8.192	17858	6951	0.124	0.065 #
12) 4,4'-DDE	7.564f	8.283	13302	15960	0.092	0.139 #
13) Dieldrin	7.786	8.401	7579	449298	0.047	3.752 #
14) Endrin	7.978	8.616f	2024281	11911	16.409	0.138 #
15) 4,4'-DDD	7.997	8.718f	462288	21050	3.808m	0.223 #
16) Endosulfa...	8.098	8.770	57254	16407	0.473	0.179 #
17) 4,4'-DDT	8.228	0.000	20949	0	0.337	N.D. #
18) Endrin Al...	8.403	9.006	57470	9017	0.334	3407.096 #
19) Endosulfa...	8.717	9.191f	5284	5079	0.044	0.060
20) Methoxychlor	8.555	9.413	7436	2520	0.220	0.142
21) Endrin Ke...	8.883f	9.620	461577	11362	3.204	0.119 #
23) Hexachlor...	3.154	3.569	17599	9338	2108.600	838.021 #
24) Hexachlor...	5.765	6.367	22107	10208	BelowCal	2197.535
25) Oxychlorane	0.000	7.840	0	6876	N.D.	3277.668 #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.510	8.129	19396	5370	BelowCal	1953.515
28) 2,4'-DDD	7.723	8.401f	6418	449298	BelowCalm	6.470 2-ol
29) 2,4'-DDT	7.889	8.616f	5914	11911	0.079	0.222 #
30) cis-Nonac...	7.978	8.718f	2024281	21050	12.994	2549.379 #
31) Mirex	8.657	9.620	10636	11362	7125.776	3567.361 #
32) Chlordane...	7.564f	8.129f	13302	5370	0.754	0.371 #
33) Chlordane...	7.618	8.283	17858	15960	0.862	1.291 #
34) Chlordane...	8.165f	0.000	22204	0	4.173	N.D. #
35) Chlordane...	3.765f	3.778	26915	4027	NoCal	NoCal
36) Toxaphene...	7.618	0.000	17858	0	21.453	N.D. #
37) Toxaphene...	7.889f	8.830f	5914	77110	3.925	56.530 #
38) Toxaphene...	8.228	0.000	20949	0	6.735	N.D. #
39) Toxaphene...	8.489	0.000	21691	0	1.708	N.D. #
40) Toxaphene...	8.717	9.145	5284	7541	2.244	0.900 #
41) Toxaphene...	8.791	9.515	32192	1708	10.612	0.844 #
42) Toxaphene...	3.765f	3.778	26915	4027	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\2020-05\0E12047\
Data File : ECD3-05122009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:43
Operator : MJB
Sample : A0D0763-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

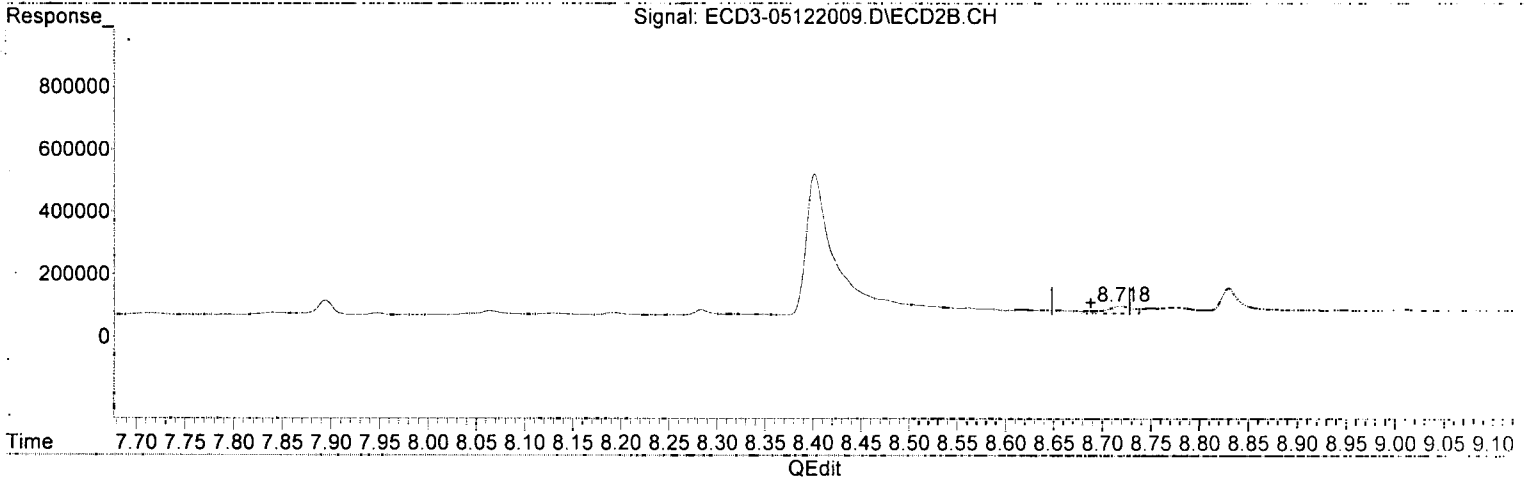
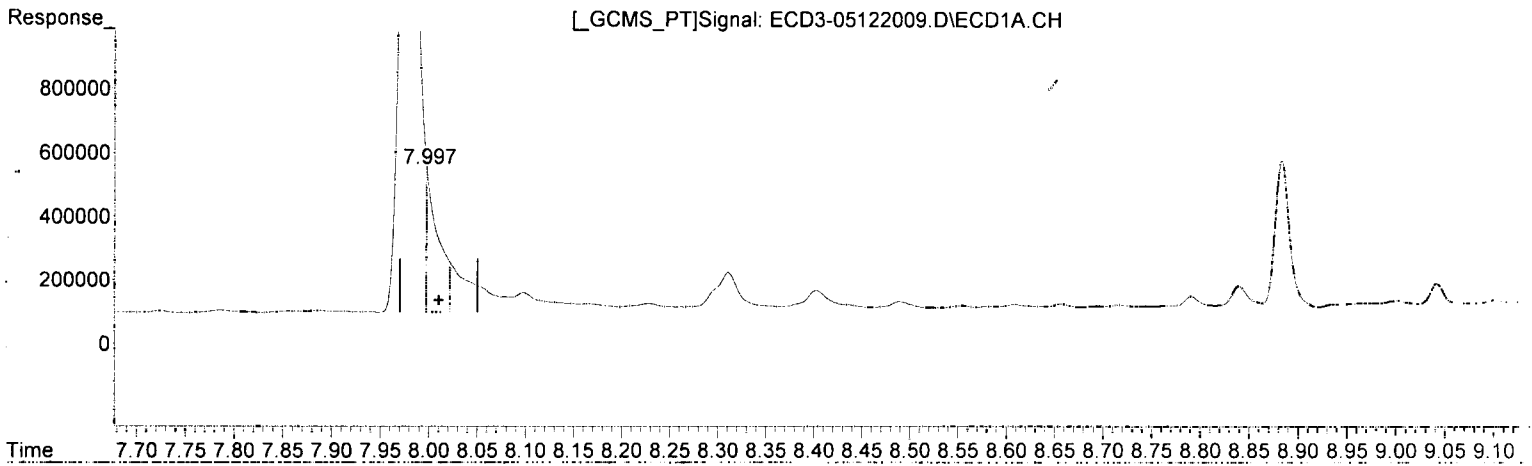
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 13 16:35:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:43
Operator : MJB
Sample : A0D0763-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.997min 3.808 ng/mL m
response 462288

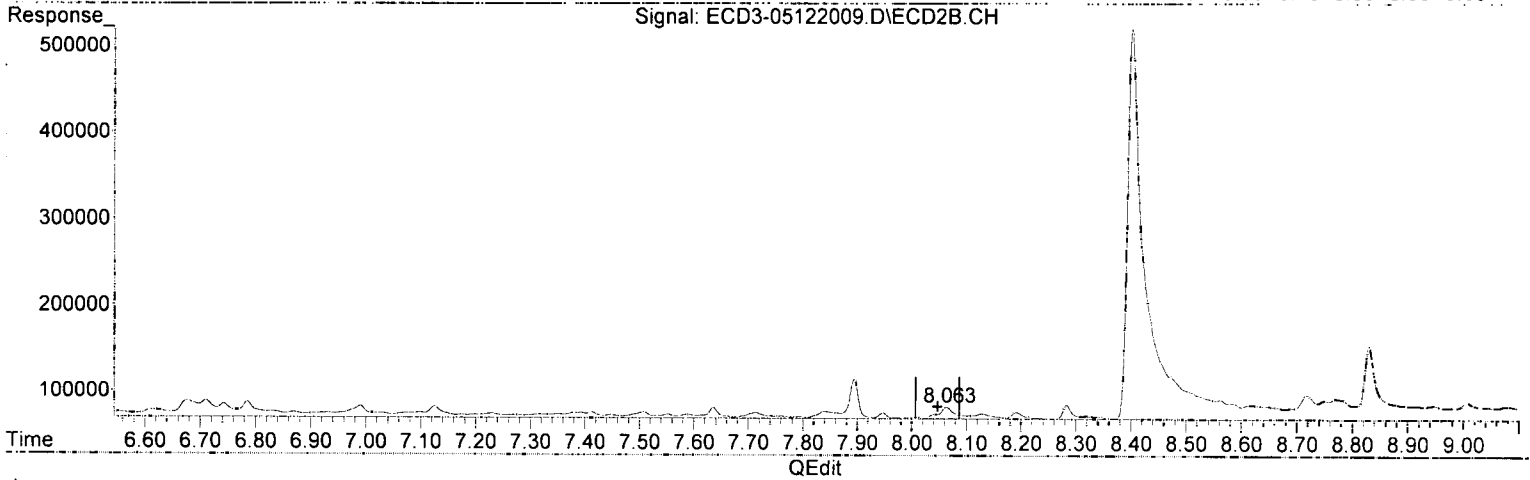
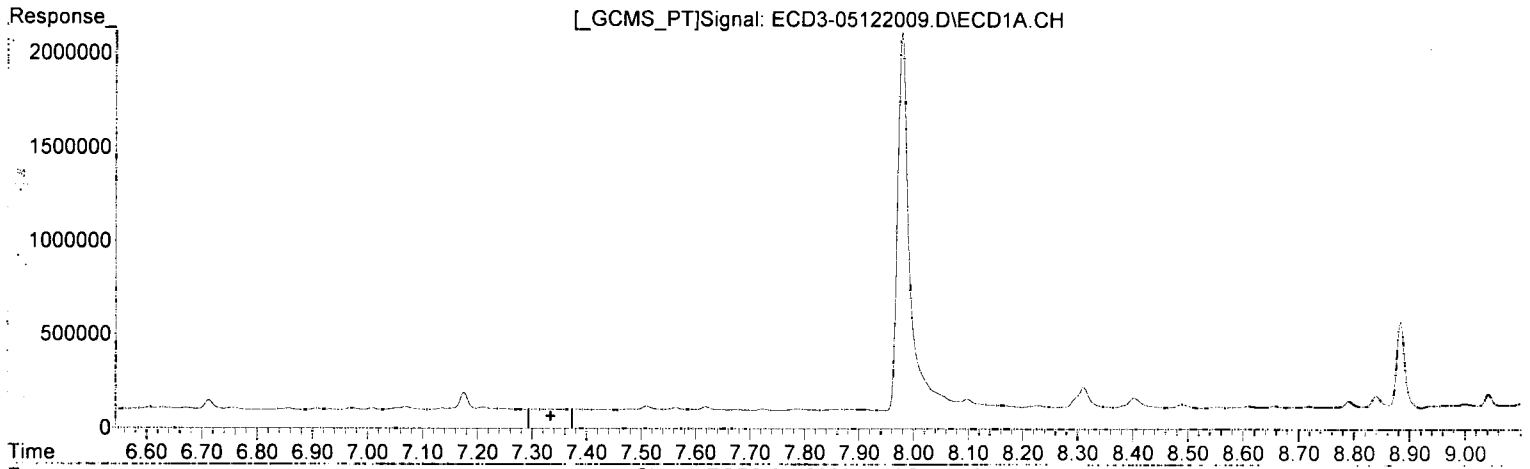
MJB 5/13/20

(15) 4,4'-DDD #2
8.718min 0.223 ng/mL
response 21050

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:43
Operator : MJB
Sample : A0D0763-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

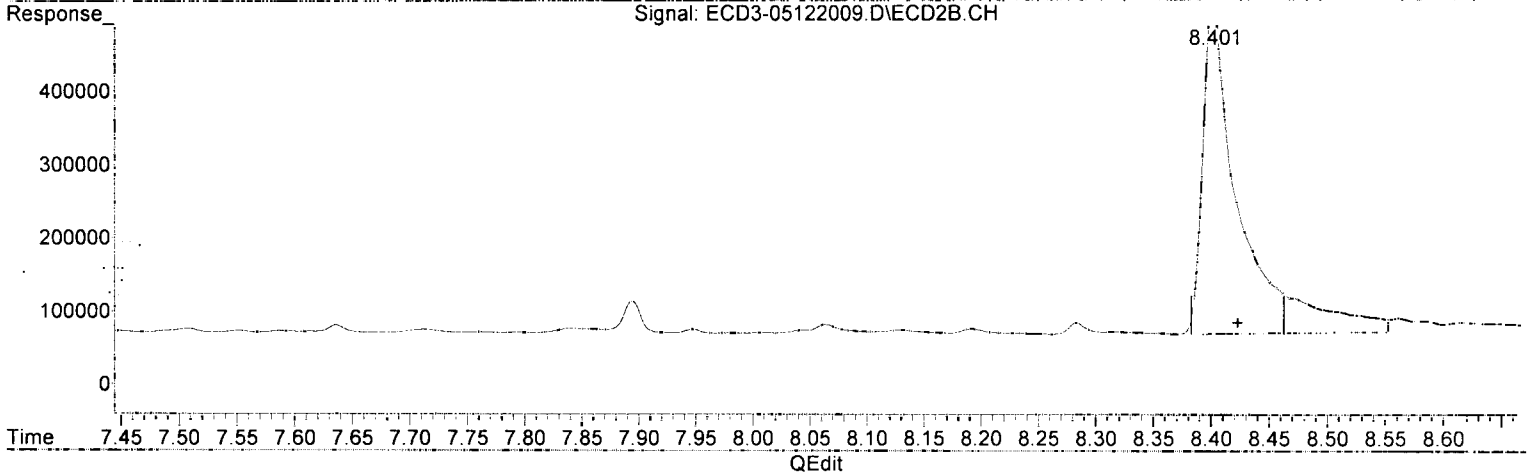
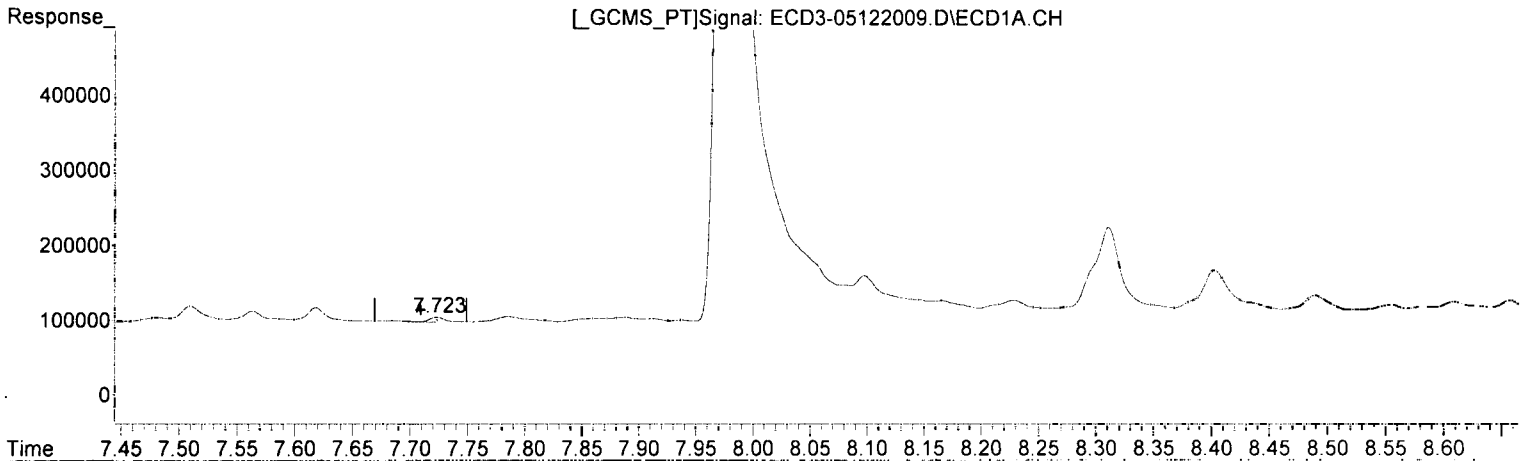
MJB
5/13/20

(26) 2,4'-DDE #2
8.064min 2144.819 ng/mL *QDY*
response ~~12575~~

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:43
Operator : MJB
Sample : A0D0763-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.723min -0.139 ng/mL (m)
response 6418

MJB 5/13/20

(28) 2,4'-DDD #2
8.401min 6.470 ng/mL P-1
response 449298

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 15:43
 Operator : MJB
 Sample : A0D0763-01RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 11:34:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MI
MJB
5/13/20

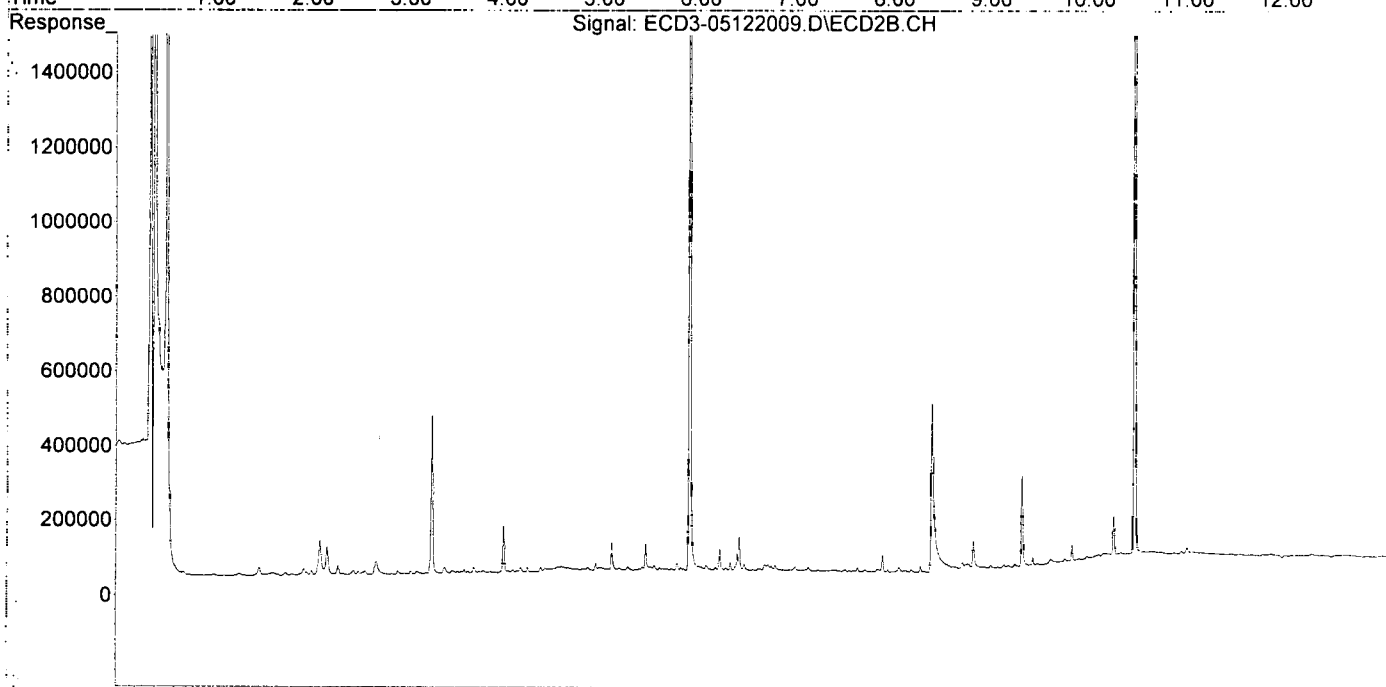
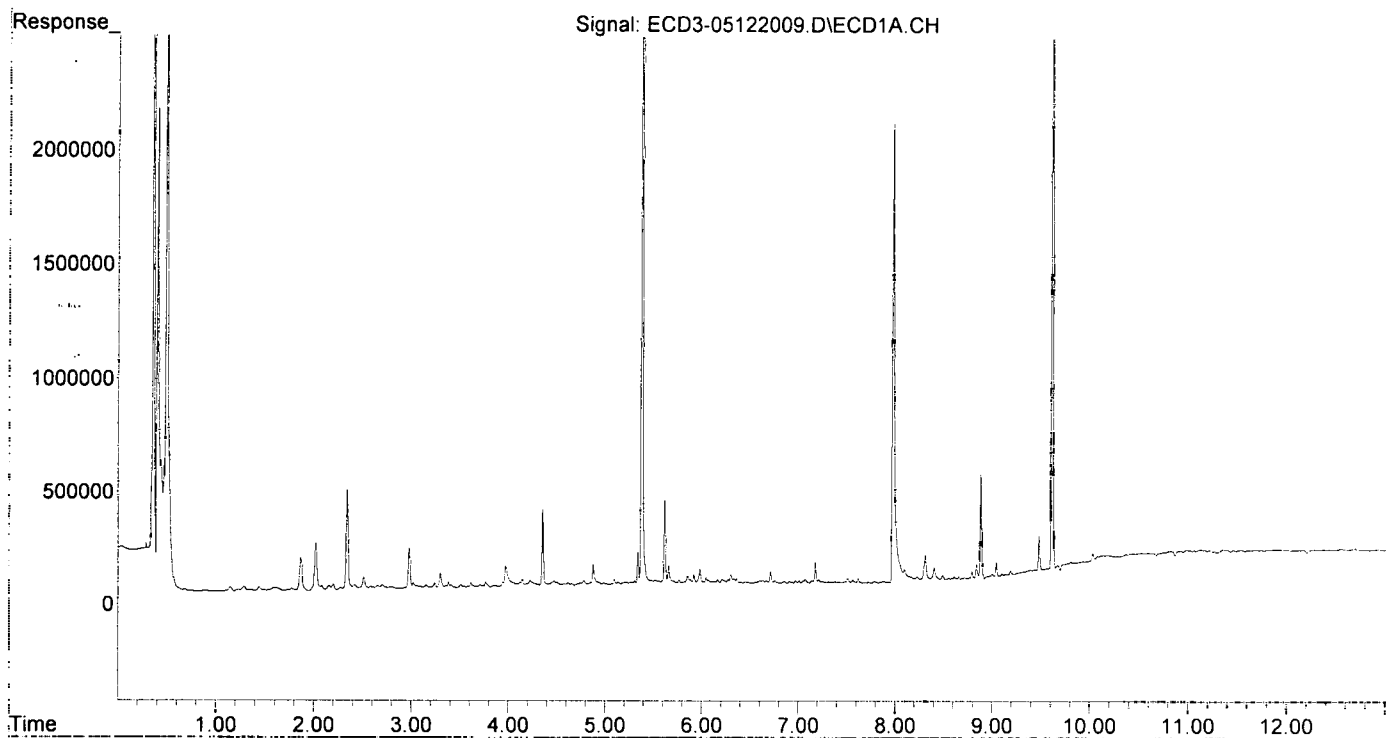
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.380	5.896	3655666	2682582	24.683	23.731
22) S DCBP (S)	9.614	10.478	4425492	2659564	40.158	39.866
Target Compounds						
2) a-BHC	5.919	0.000	44945	0	0.222	N.D. #
3) g-BHC	6.211	0.000	20259	0	0.117	N.D. #
4) b-BHC	6.272	0.000	22451	0	0.329	N.D. #
5) Heptachlor	6.628	0.000	14545	0	0.089	N.D. #
6) d-BHC	6.458f	7.125f	8707	9648	0.062	0.079
7) Aldrin	6.857	0.000	9203	0	0.055	N.D. #
8) Heptachlo...	0.000	7.894	0	44472	N.D.	0.378 #
9) trans-Chl...	0.000	8.064	0	12675	N.D.	0.105 #
10) cis-Chlor...	7.510	8.129f	19396	5370	0.124	0.046 #
11) Endosulfa...	7.618	8.192	17858	6951	0.124	0.065 #
12) 4,4'-DDE	7.564f	8.283	13302	15960	0.092	0.139 #
13) Dieldrin	7.786	8.401	7579	449298	0.047	3.752 #
14) Endrin	7.978	8.616f	2024281	11911	16.409	0.138 #
15) 4,4'-DDD	7.978f	8.718f	2024281	21050	16.674	0.223 #
16) Endosulfa...	8.098	8.770	57254	16407	0.473	0.179 #
17) 4,4'-DDT	8.228	0.000	20949	0	0.337	N.D. #
18) Endrin Al...	8.403	9.006	57470	9017	0.334	3407.096 #
19) Endosulfa...	8.717	9.191f	5284	5079	0.044	0.060
20) Methoxychlor	8.555	9.413	7436	2520	0.220	0.142
21) Endrin Ke...	8.883f	9.620	461577	11362	3.204	0.119 #
23) Hexachlor...	3.154	3.569	17599	9338	2108.600	838.021 #
24) Hexachlor...	5.765	6.367	22107	10208	BelowCal	2197.535
25) Oxychlorane	0.000	7.840	0	6876	N.D.	3277.668 #
26) 2,4'-DDE	0.000	8.064	0	12675	N.D.	2144.819 #
27) trans-Non...	7.510	8.129	19396	5370	BelowCal	1953.515
28) 2,4'-DDD	7.723	8.401f	5873	449298	BelowCal	6.470
29) 2,4'-DDT	7.889	8.616f	5914	11911	0.079	0.222 #
30) cis-Nonac...	7.978	8.718f	2024281	21050	12.994	2549.379 #
31) Mirex	8.657	9.620	10636	11362	7125.776	3567.361 #
32) Chlordane...	7.564f	8.129f	13302	5370	0.754	0.371 #
33) Chlordane...	7.618	8.283	17858	15960	0.862	1.291 #
34) Chlordane...	8.165f	0.000	22204	0	4.173	N.D. #
35) Chlordane...	3.765f	3.778	26915	4027	NoCal	NoCal
36) Toxaphene...	7.618	0.000	17858	0	21.453	N.D. #
37) Toxaphene...	7.889f	8.830f	5914	77110	3.925	56.530 #
38) Toxaphene...	8.228	0.000	20949	0	6.735	N.D. #
39) Toxaphene...	8.489	0.000	21691	0	1.708	N.D. #
40) Toxaphene...	8.717	9.145	5284	7541	2.244	0.900 #
41) Toxaphene...	8.791	9.515	32192	1708	10.612	0.844 #
42) Toxaphene...	3.765f	3.778	26915	4027	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\2020-05\0E12047\
Data File : ECD3-05122009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 15:43
Operator : MJB
Sample : A0D0763-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:34:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 16:00
 Operator : MJB
 Sample : A0D0763-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 16:39:26 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/12/20

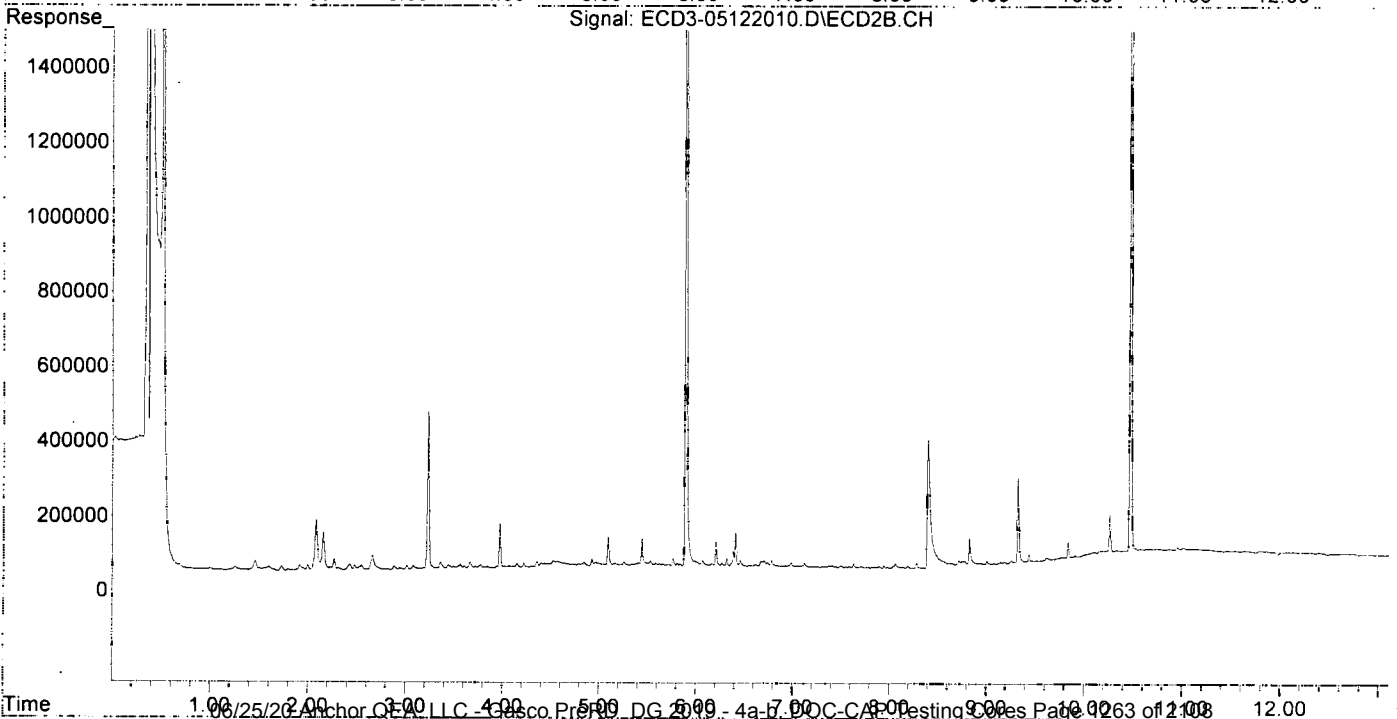
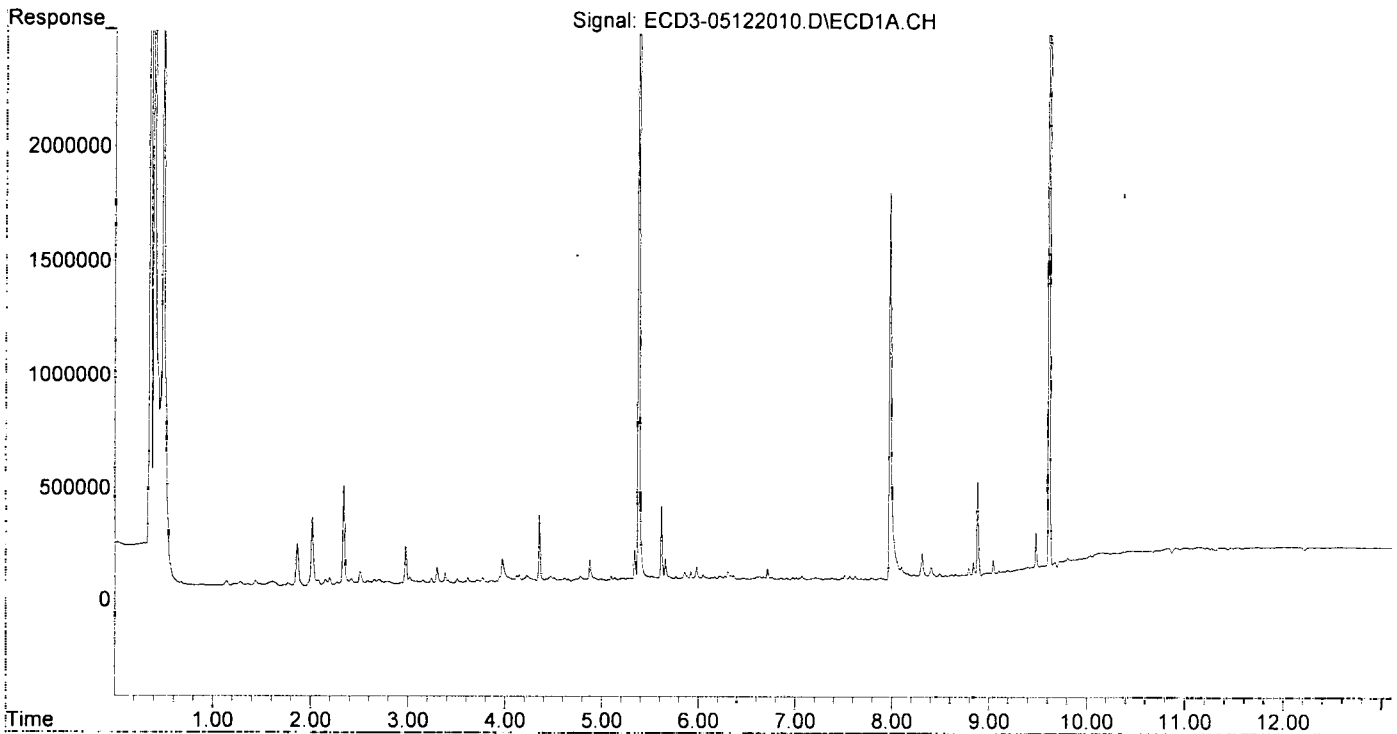
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.379	5.896	4691467	3473773	31.676	30.890
22) S DCBP (S)	9.614	10.477	4413132	2753497	40.045	41.309
Target Compounds						
2) a-BHC	5.919	0.000	38564	0	0.191	N.D. #
3) g-BHC	6.224	6.786f	13336	15337	0.077	0.114 #
4) b-BHC	6.272	0.000	16833	0	0.247	N.D. #
5) Heptachlor	6.629	0.000	13989	0	0.085	N.D. #
6) d-BHC	0.000	7.125f	0	9470	N.D.	0.077 #
7) Aldrin	6.858	0.000	7337	0	0.044	N.D. #
8) Heptachlo...	7.307	7.896	3263	4010	0.021	0.034 #
9) trans-Chl...	0.000	8.064	0	12084	N.D.	0.100 #
10) cis-Chlor...	7.510	8.192f	20366	5988	0.130	0.052 #
11) Endosulfa...	7.619	8.192	17540	5988	0.122	0.056 #
12) 4,4'-DDE	7.564f	8.284	18157	13815	0.126	0.120
13) Dieldrin	7.786	8.404	6965	341646	0.043	2.853 #
14) Endrin	7.978f	8.617f	1707866	7415	13.844	0.086 #
15) 4,4'-DDD	8.001	8.719f	371137	11703	3.057m	0.124 #
16) Endosulfa...	8.098	8.771	54790	8708	0.453	0.095 #
17) 4,4'-DDT	8.229	0.000	19823	0	0.324	N.D. #
18) Endrin Al...	8.403	9.007	47828	8250	0.240	3407.105 #
19) Endosulfa...	0.000	9.187f	0	4389	N.D.	0.052 #
20) Methoxychlor	8.551	9.399	8912	2768	0.256	0.152 #
21) Endrin Ke...	8.883f	9.619	425560	6878	2.954	0.072 #
23) Hexachlor...	3.152	3.568	16329	10806	2108.608	838.012 #
24) Hexachlor...	5.765	6.390f	17316	39528	BelowCal	0.119
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.326	0.000	3693	0	BelowCalm	N.D. d
27) trans-Non...	7.510	0.000	20366	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.404	0	341646	N.D.	4.847 # 2-31
29) 2,4'-DDT	7.886	8.617f	5610	7415	0.075	0.138 #
30) cis-Nonac...	7.978	8.719f	1707866	11703	10.934	2549.459 #
31) Mirex	8.657	9.619	14550	6878	7125.737	3567.427 #
32) Chlordane...	7.564f	8.192f	18157	5988	1.029	0.414 #
33) Chlordane...	7.619	8.284f	17540	13815	0.846	1.118
34) Chlordane...	8.166f	0.000	23854	0	4.483	N.D. #
35) Chlordane...	3.782	3.778	14747	7296	NoCal	NoCal
36) Toxaphene...	7.619	0.000	17540	0	21.072	N.D. #
37) Toxaphene...	7.886f	8.830f	5610	68968	3.723	50.561 #
38) Toxaphene...	8.229	0.000	19823	0	6.373	N.D. #
39) Toxaphene...	8.491	0.000	17632	0	0.256	N.D. #
40) Toxaphene...	0.000	9.146	0	5377	N.D.	BelowCal
41) Toxaphene...	8.791	0.000	36629	0	12.075	N.D. #
42) Toxaphene...	3.782f	3.778	14747	7296	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\2020-05\0E12047\
Data File : ECD3-05122010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:00
Operator : MJB
Sample : A0D0763-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

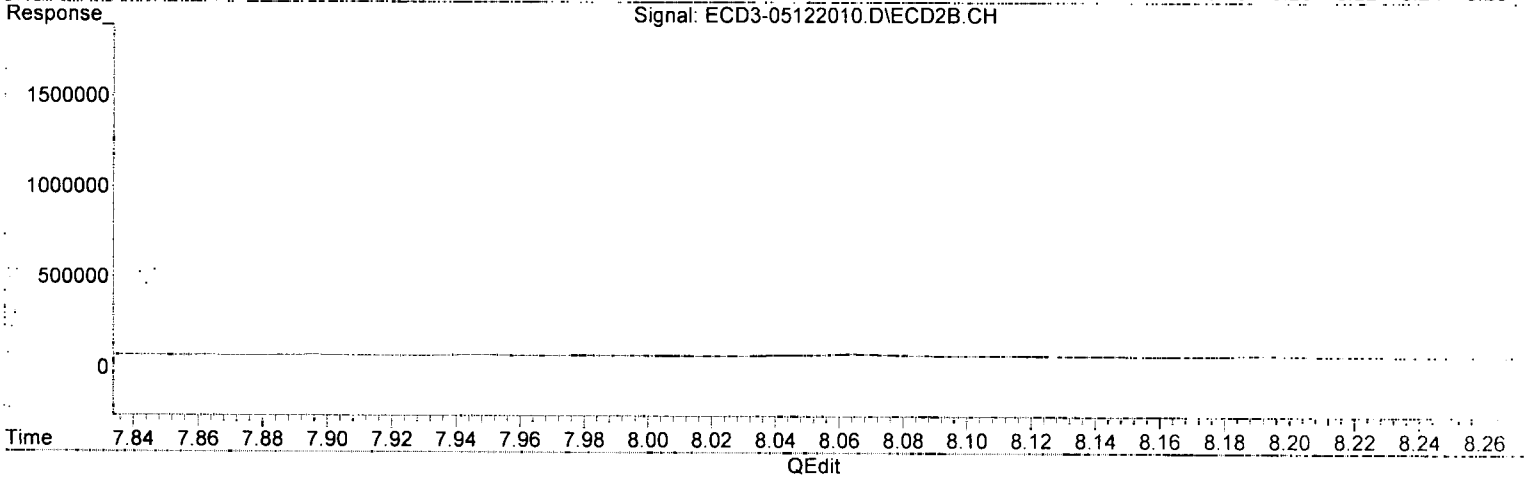
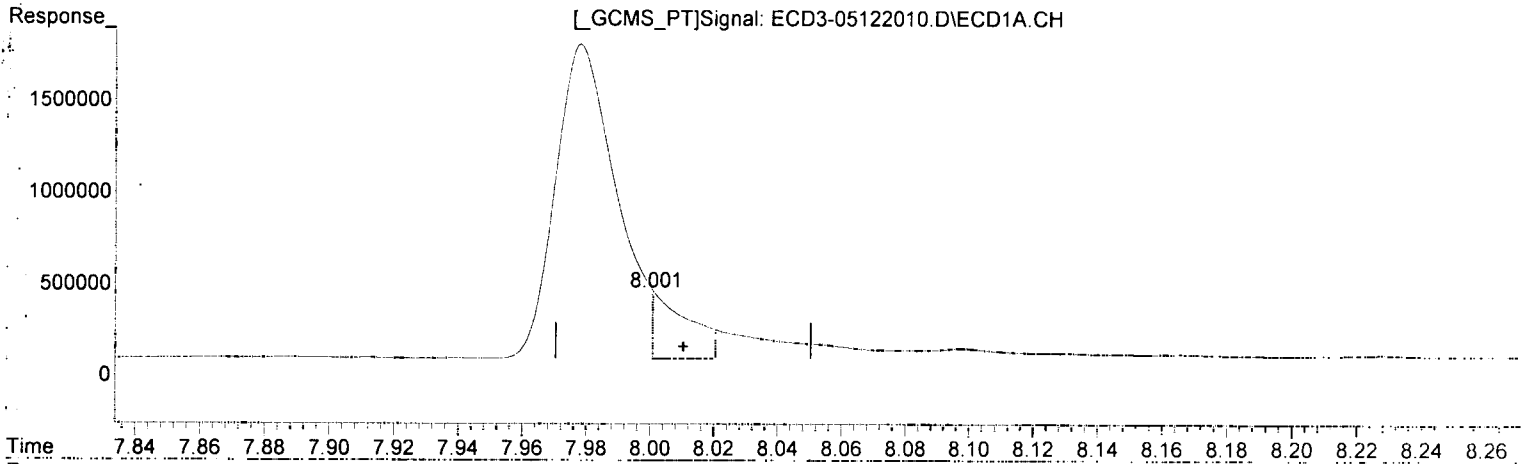
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 13 16:39:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:00
Operator : MJB
Sample : AOD0763-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
8.001min 3.057 ng/mL(m)
response 371137

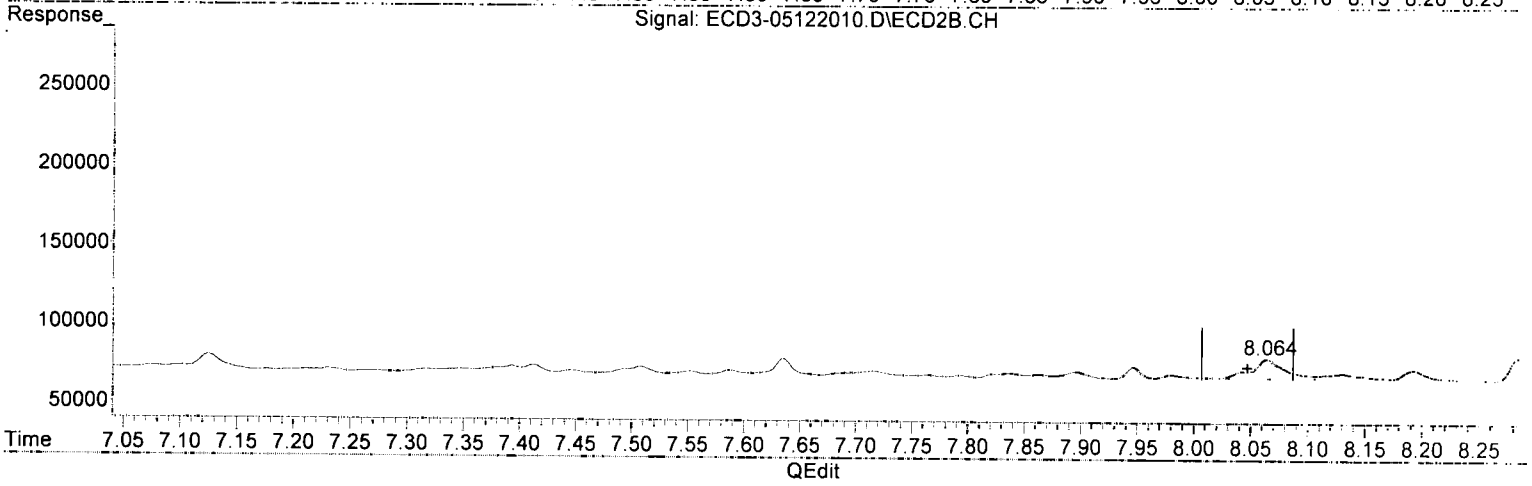
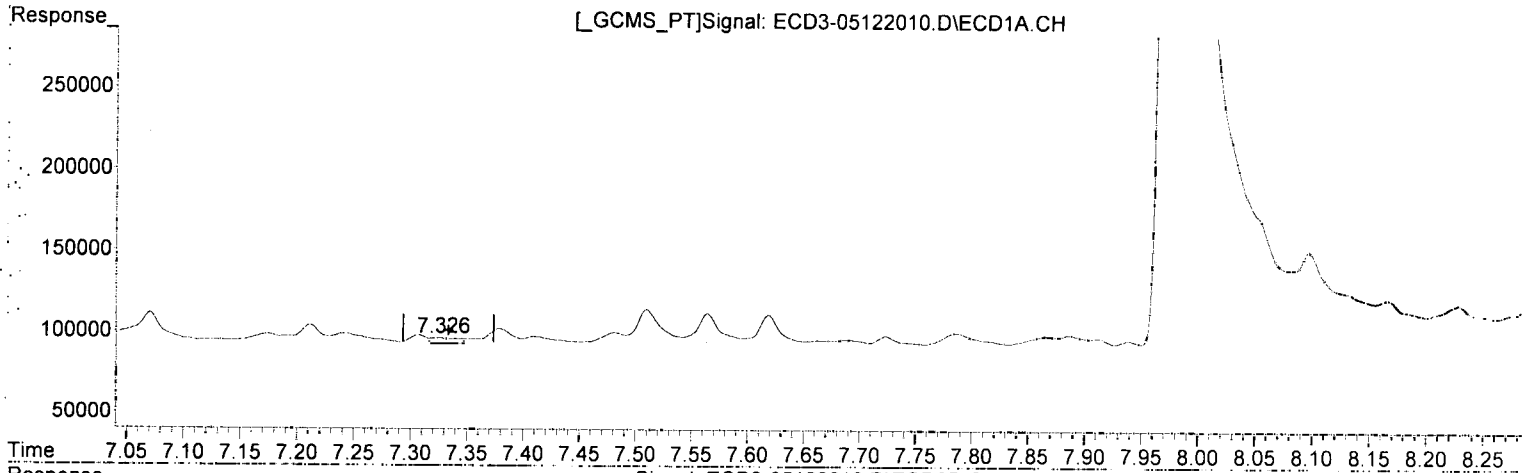
MJB
5/13/20

(15) 4,4'-DDD #2
8.719min 0.124 ng/mL
response 11703

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:00
Operator : MJB
Sample : A0D0763-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.326min -0.142 ng/mL (m)
response 3693

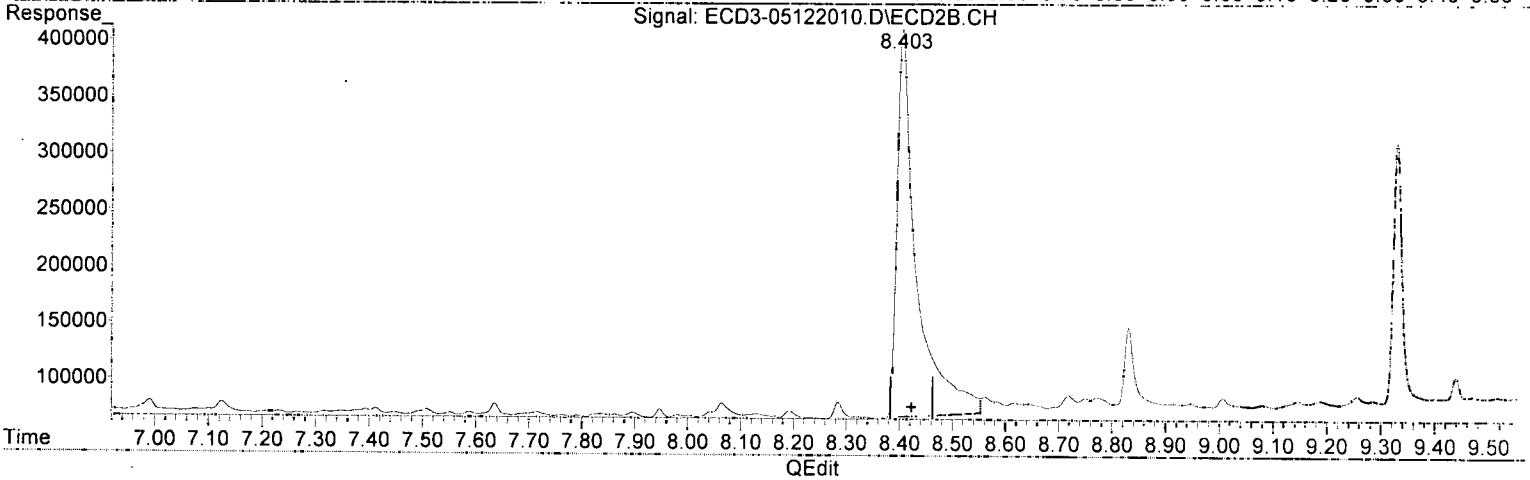
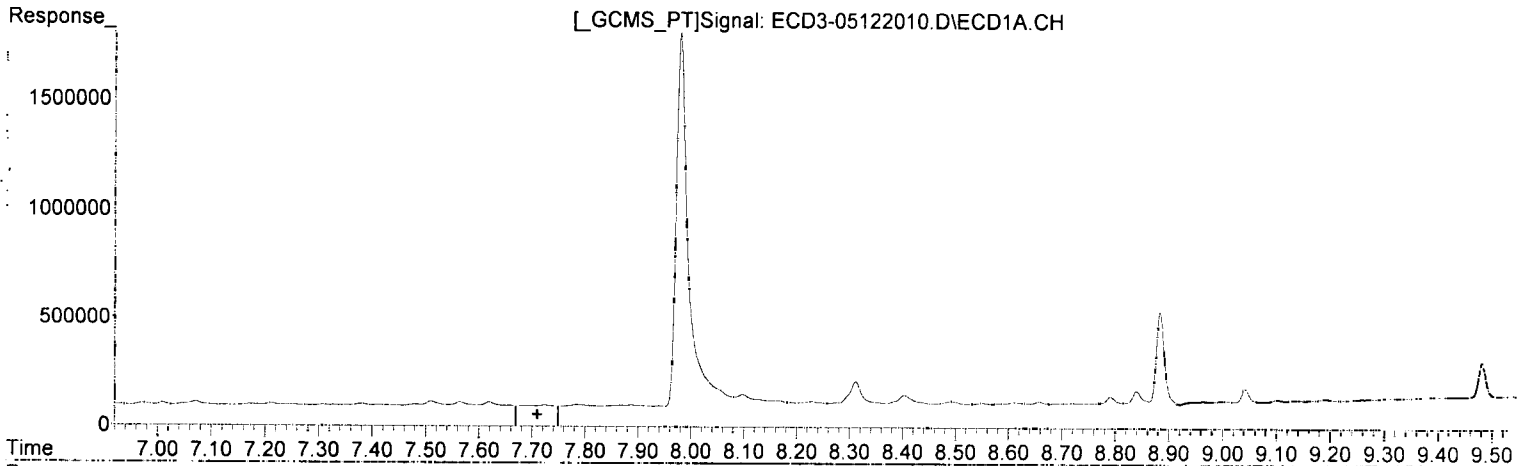
MJB 5/13/20

(26) 2,4'-DDE #2
8.064min 2144.827 ng/mL *Q-24*
response 12084

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:00
Operator : MJB
Sample : A0D0763-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

MJB 5/13/20

(28) 2,4'-DDD #2
8.404min 4.847 ng/mL *9.01*
response 341646

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 16:00
 Operator : MJB
 Sample : A0D0763-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 11:35:00 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJ
MJB
5/13/20

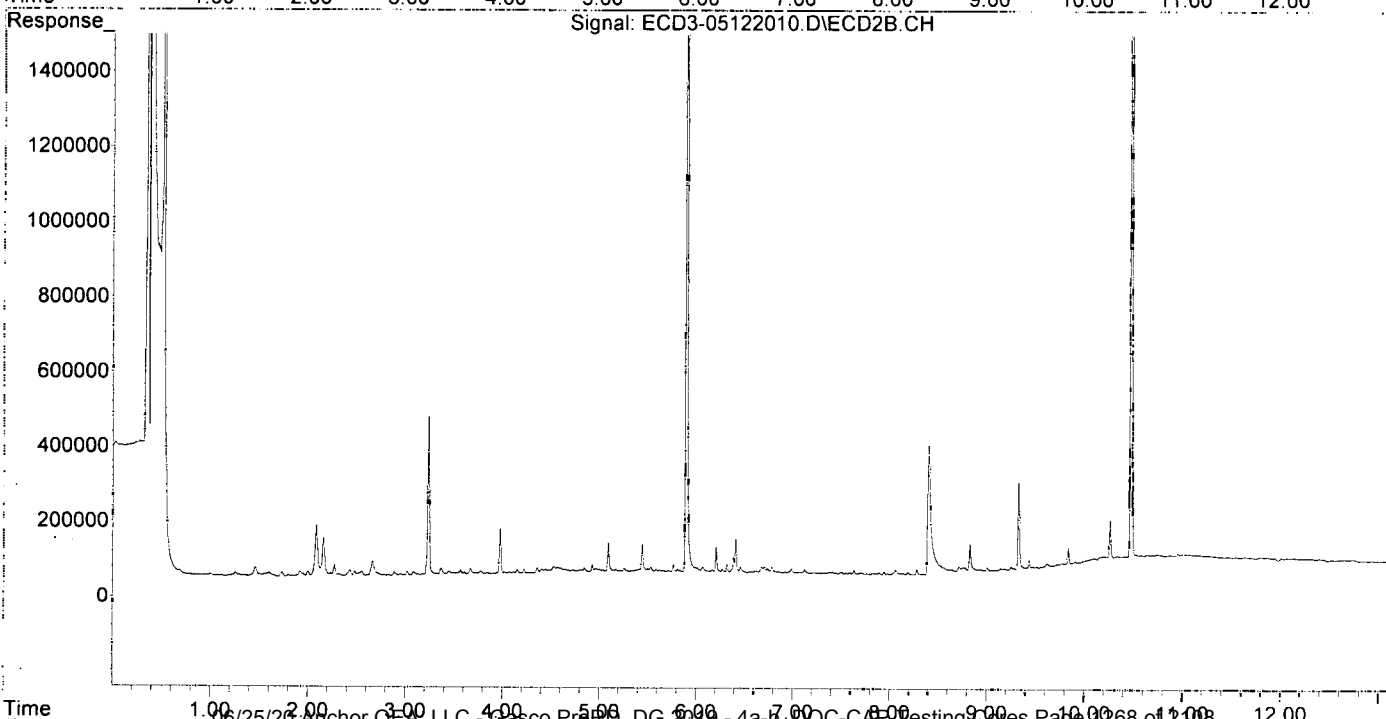
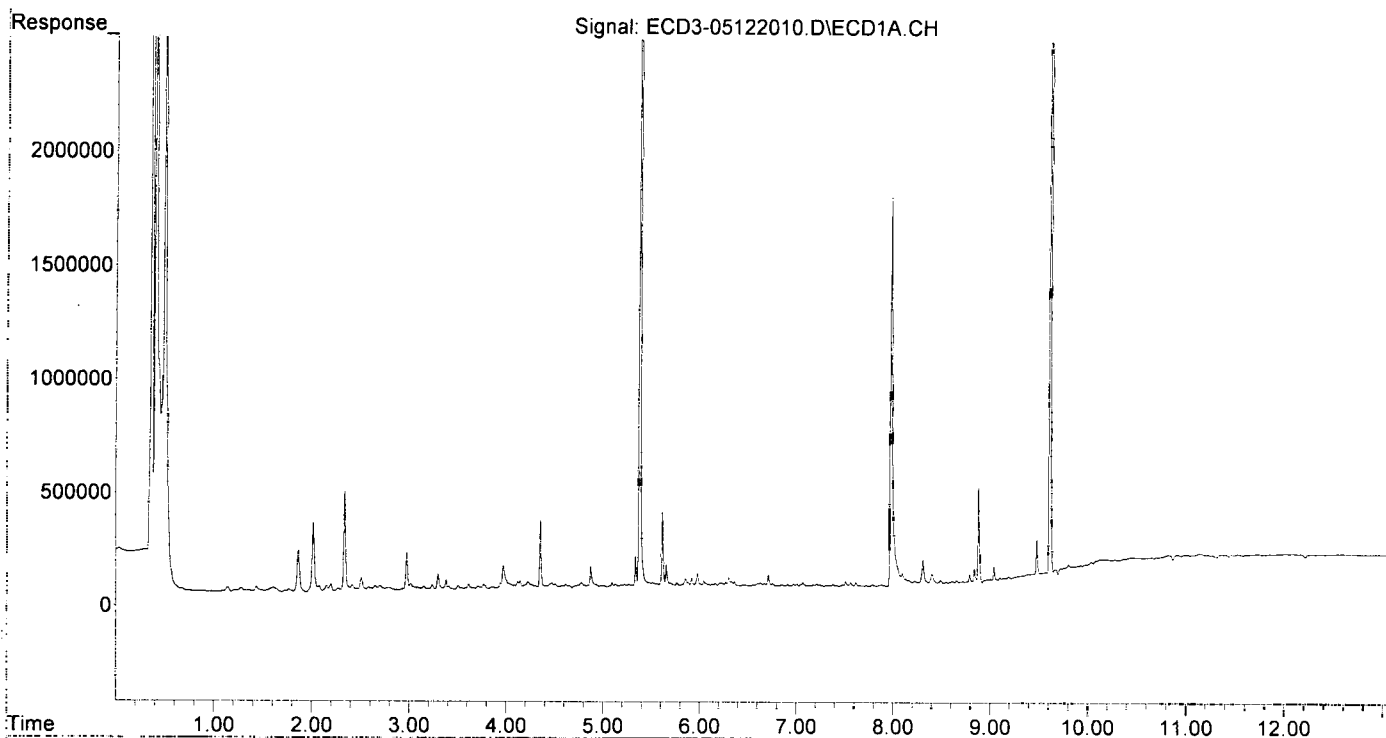
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.379	5.896	4691467	3473773	31.676	30.890
22) S DCBP (S)	9.614	10.477	4413132	2753497	40.045	41.309
Target Compounds						
2) a-BHC	5.919	0.000	38564	0	0.191	N.D. #
3) g-BHC	6.224	6.786f	13336	15337	0.077	0.114 #
4) b-BHC	6.272	0.000	16833	0	0.247	N.D. #
5) Heptachlor	6.629	0.000	13989	0	0.085	N.D. #
6) d-BHC	0.000	7.125f	0	9470	N.D.	0.077 #
7) Aldrin	6.858	0.000	7337	0	0.044	N.D. #
8) Heptachlo...	7.307	7.896	3263	4010	0.021	0.034 #
9) trans-Chl...	0.000	8.064	0	12084	N.D.	0.100 #
10) cis-Chlor...	7.510	8.192f	20366	5988	0.130	0.052 #
11) Endosulfa...	7.619	8.192	17540	5988	0.122	0.056 #
12) 4,4'-DDE	7.564f	8.284	18157	13815	0.126	0.120
13) Dieldrin	7.786	8.404	6965	341646	0.043	2.853 #
14) Endrin	7.978f	8.617f	1707866	7415	13.844	0.086 #
15) 4,4'-DDD	7.978f	8.719f	1707866	11703	14.068	0.124 #
16) Endosulfa...	8.098	8.771	54790	8708	0.453	0.095 #
17) 4,4'-DDT	8.229	0.000	19823	0	0.324	N.D. #
18) Endrin Al...	8.403	9.007	47828	8250	0.240	3407.105 #
19) Endosulfa...	0.000	9.187f	0	4389	N.D.	0.052 #
20) Methoxychlor	8.551	9.399	8912	2768	0.256	0.152 #
21) Endrin Ke...	8.883f	9.619	425560	6878	2.954	0.072 #
23) Hexachlor...	3.152	3.568	16329	10806	2108.608	838.012 #
24) Hexachlor...	5.765	6.390f	17316	39528	BelowCal	0.119
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.307f	8.064	3263	12084	BelowCal	2144.827
27) trans-Non...	7.510	0.000	20366	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.404	0	341646	N.D.	4.847 #
29) 2,4'-DDT	7.886	8.617f	5610	7415	0.075	0.138 #
30) cis-Nonac...	7.978	8.719f	1707866	11703	10.934	2549.459 #
31) Mirex	8.657	9.619	14550	6878	7125.737	3567.427 #
32) Chlordane...	7.564f	8.192f	18157	5988	1.029	0.414 #
33) Chlordane...	7.619	8.284f	17540	13815	0.846	1.118
34) Chlordane...	8.166f	0.000	23854	0	4.483	N.D. #
35) Chlordane...	3.782	3.778	14747	7296	NoCal	NoCal
36) Toxaphene...	7.619	0.000	17540	0	21.072	N.D. #
37) Toxaphene...	7.886f	8.830f	5610	68968	3.723	50.561 #
38) Toxaphene...	8.229	0.000	19823	0	6.373	N.D. #
39) Toxaphene...	8.491	0.000	17632	0	0.256	N.D. #
40) Toxaphene...	0.000	9.146	0	5377	N.D.	BelowCal
41) Toxaphene...	8.791	0.000	36629	0	12.075	N.D. #
42) Toxaphene...	3.782f	3.778	14747	7296	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\2020-05\0E12047\
 Data File : ECD3-05122010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 16:00
 Operator : MJB
 Sample : A0D0763-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 11:35:00 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 16:17
 Operator : MJB
 Sample : A0D0763-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 16:42:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualeCD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

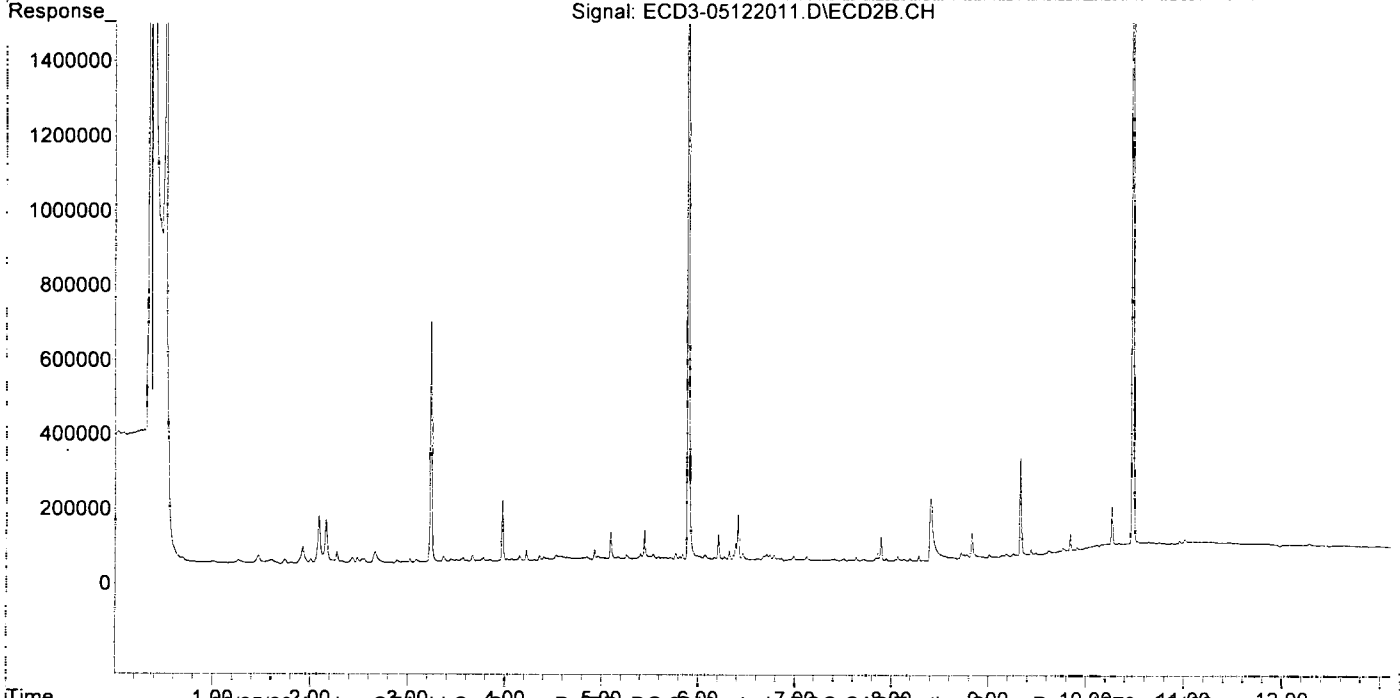
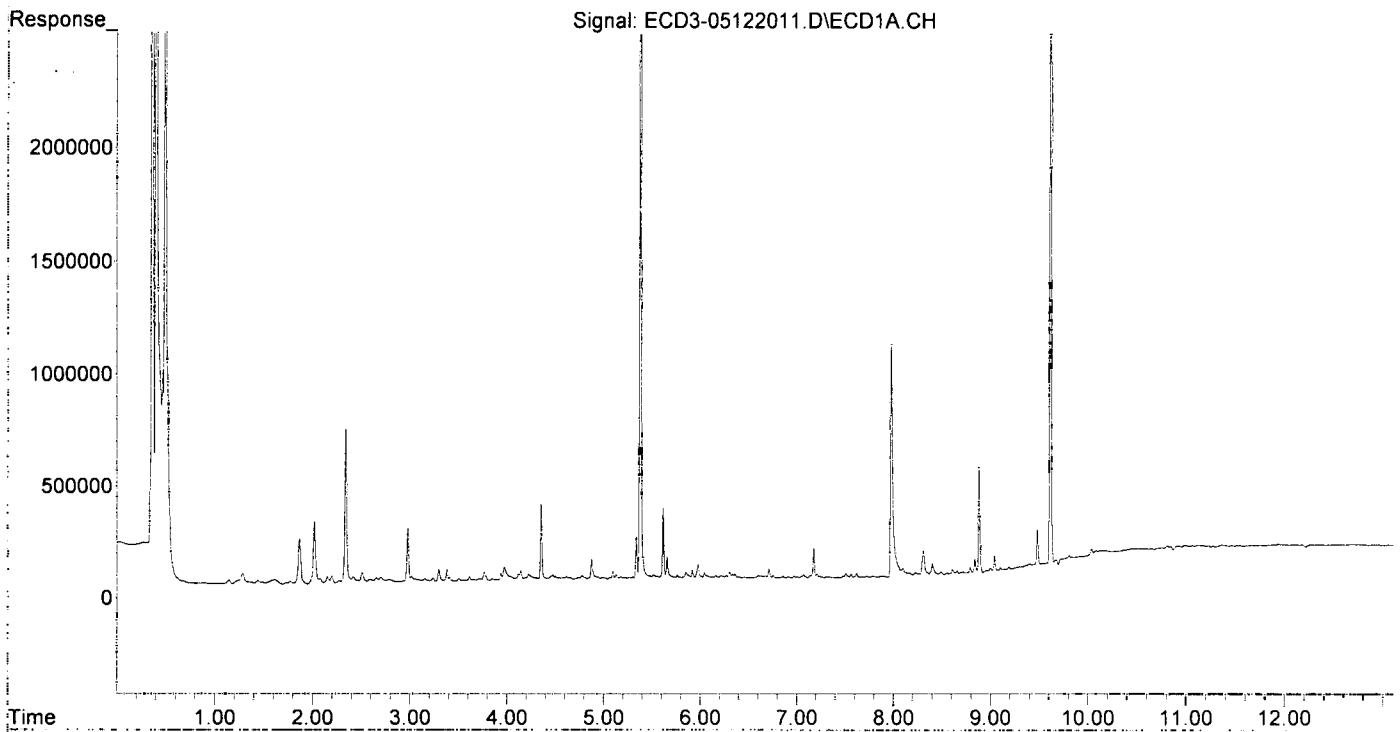
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.379	5.896	4565410	3456016	30.825	30.728
22) S DCBP (S)	9.614	10.477	4491433	2817633	40.759	42.296
Target Compounds						
2) a-BHC	5.919	0.000	40754	0	0.201	N.D. #
3) g-BHC	6.215	0.000	12102	0	0.070	N.D. #
4) b-BHC	6.273	0.000	14890	0	0.218	N.D. #
5) Heptachlor	6.630	0.000	10197	0	0.062	N.D. #
6) d-BHC	0.000	7.124f	0	9533	N.D.	0.078 #
7) Aldrin	6.857	0.000	7740	0	0.046	N.D. #
8) Heptachlo...	0.000	7.894	0	62750	N.D.	0.533 #
9) trans-Chl...	0.000	8.042	0	3581	N.D.	0.030 #
10) cis-Chlor...	7.509	8.128f	19466	4262	0.124	0.037 #
11) Endosulfa...	7.619	8.192	18060	5972	0.126	0.056 #
12) 4,4'-DDE	7.573	8.282	4565	13967	0.032m	0.121 #
13) Dieldrin	0.000	8.404	0	167294	N.D.	1.397 #
14) Endrin	7.978f	0.000	1035070	0	8.390	N.D. #
15) 4,4'-DDD	7.999	8.720f	279390	16660	2.301m	0.177 #
16) Endosulfa...	8.098	8.775	38200	10724	0.316	0.117 #
17) 4,4'-DDT	8.229	0.000	15552	0	0.274	N.D. #
18) Endrin Al...	8.403	9.007	52231	8474	0.283	3407.103 #
19) Endosulfa...	8.717	9.181f	8936	6864	0.074	0.082 #
20) Methoxychlor	8.552	9.438f	6353	15192	0.193	0.634 #
21) Endrin Ke...	8.883f	9.617	471982	7507	3.277	0.078 #
23) Hexachlor...	3.154	3.569	12208	10125	2108.632	838.016 #
24) Hexachlor...	5.765	6.365	17772	11737	BelowCal	2197.521
25) Oxychlorane	0.000	7.841	0	7671	N.D.	3277.660 #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.509	8.128	19466	4262	BelowCal	1953.525
28) 2,4'-DDD	7.720	8.404	5486	167294	BelowCal	2.223 #
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	7.978	8.720f	1035070	16660	6.548	2549.416 #
31) Mirex	8.657	9.617	13350	7507	7125.749	3567.418 #
32) Chlordane...	7.563f	8.128f	16808	4262	0.952	0.295 #
33) Chlordane...	7.619	8.282	18060	13967	0.872	1.130 #
34) Chlordane...	8.167f	0.000	14229	0	2.674	N.D. #
35) Chlordane...	3.764f	3.779	41285	9720	NoCal	NoCal
36) Toxaphene...	7.619	8.519	18060	13457	21.696	12.015 #
37) Toxaphene...	0.000	8.830f	0	68567	N.D.	50.267 #
38) Toxaphene...	8.229	0.000	15552	0	5.000	N.D. #
39) Toxaphene...	8.492	0.000	12318	0	BelowCal	N.D.
40) Toxaphene...	8.717	9.143	8936	4311	3.794	BelowCal #
41) Toxaphene...	8.792	9.487f	26091	4649	8.601	2.297 #
42) Toxaphene...	3.764f	3.779	41285	9720	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\2020-05\0E12047\
Data File : ECD3-05122011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:17
Operator : MJB
Sample : A0D0763-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

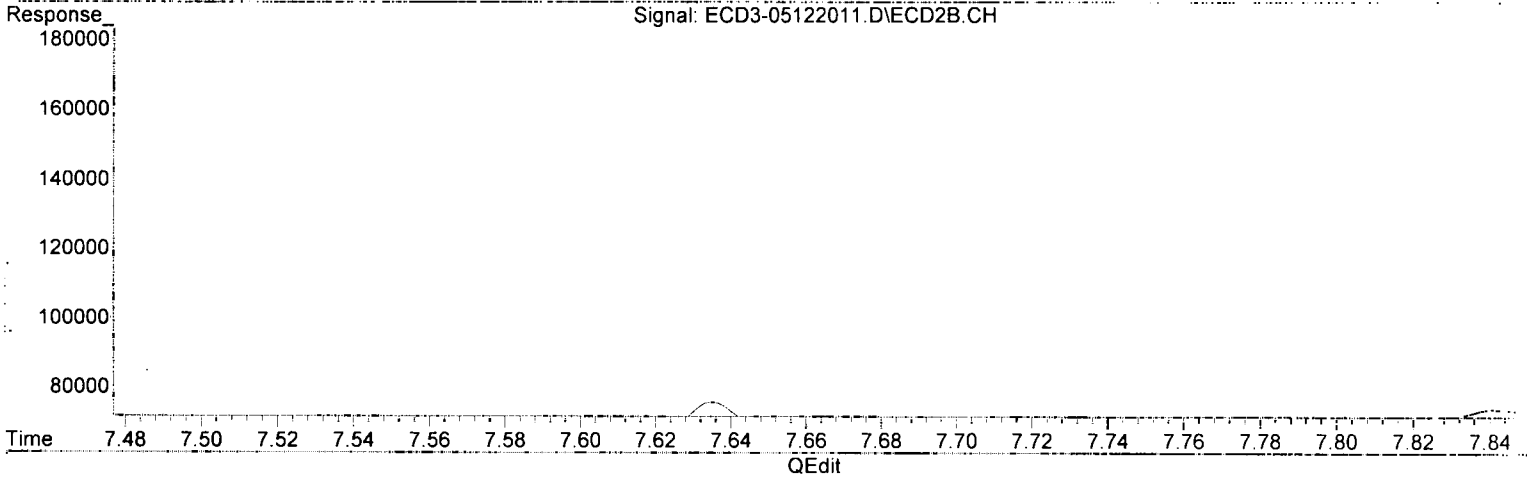
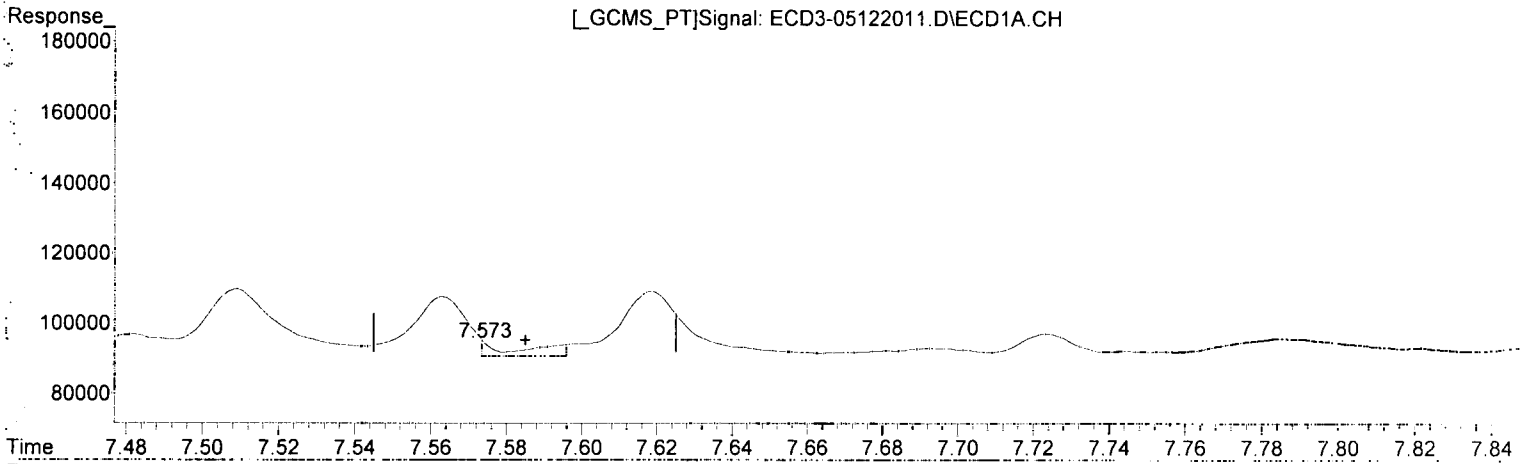
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 13 16:42:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:17
Operator : MJB
Sample : A0D0763-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.573min 0.032 ng/ml(m)
response 4565

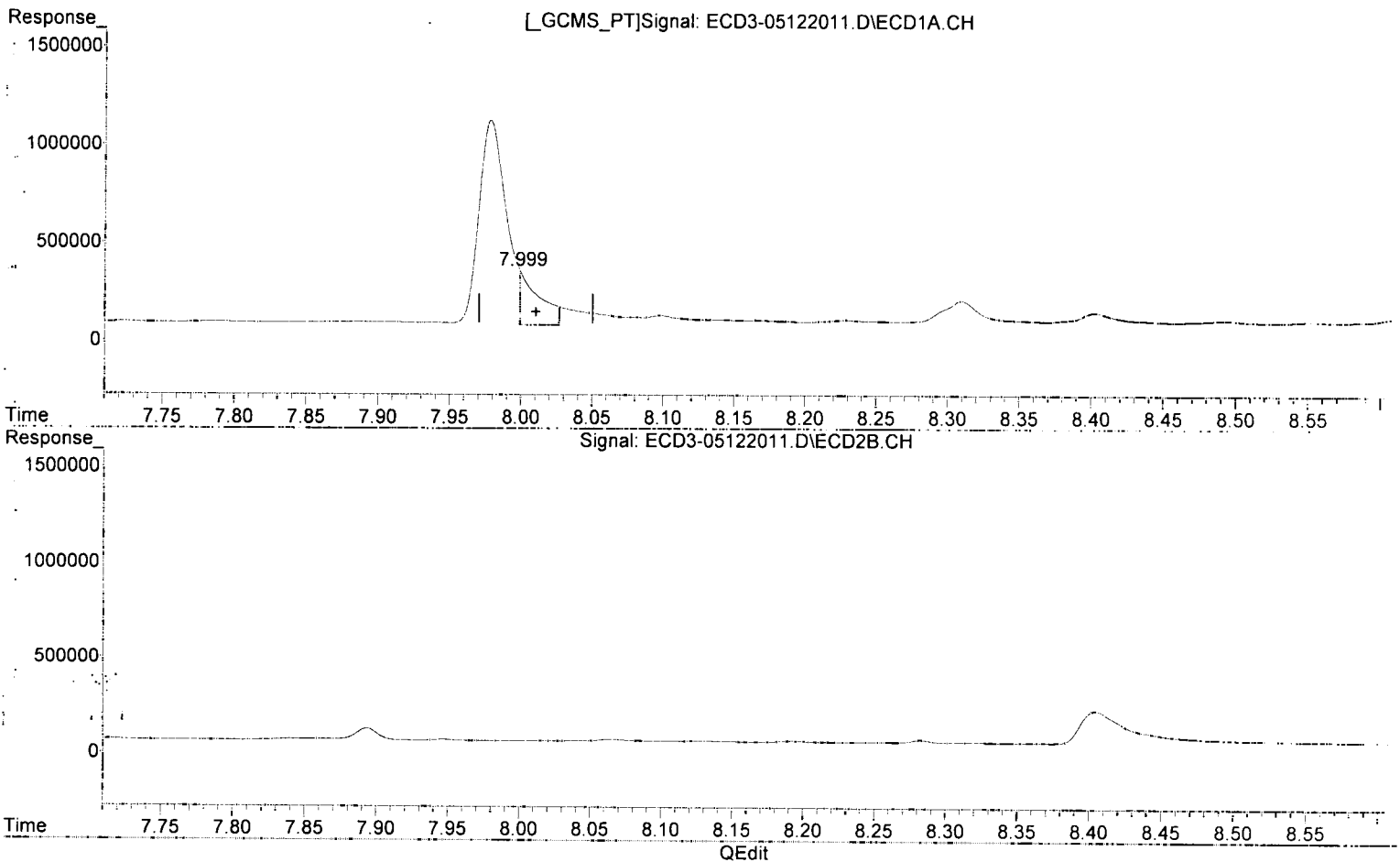
MJB
5/13/20

(12) 4,4'-DDE #2
8.282min 0.121 ng/mL
response 13967

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:17
Operator : MJB
Sample : A0D0763-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD

7.999min 2.301 ng/mL(m)

response 279390

MJB
5/13/20

(15) 4,4'-DDD #2

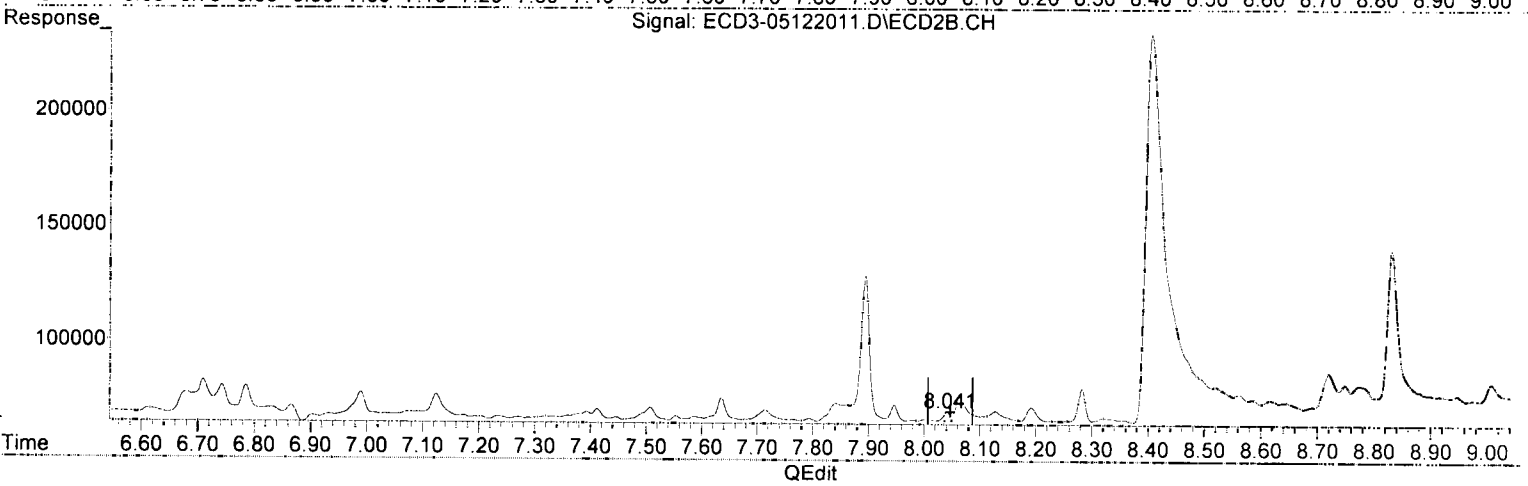
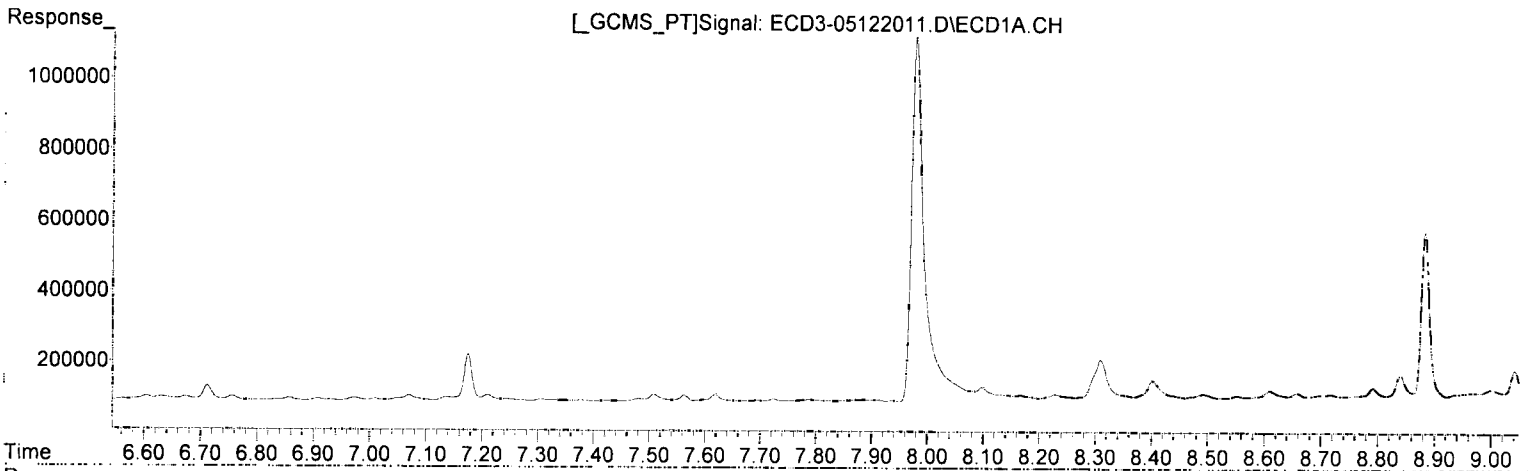
8.720min 0.177 ng/mL

response 16660

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:17
Operator : MJB
Sample : A0D0763-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

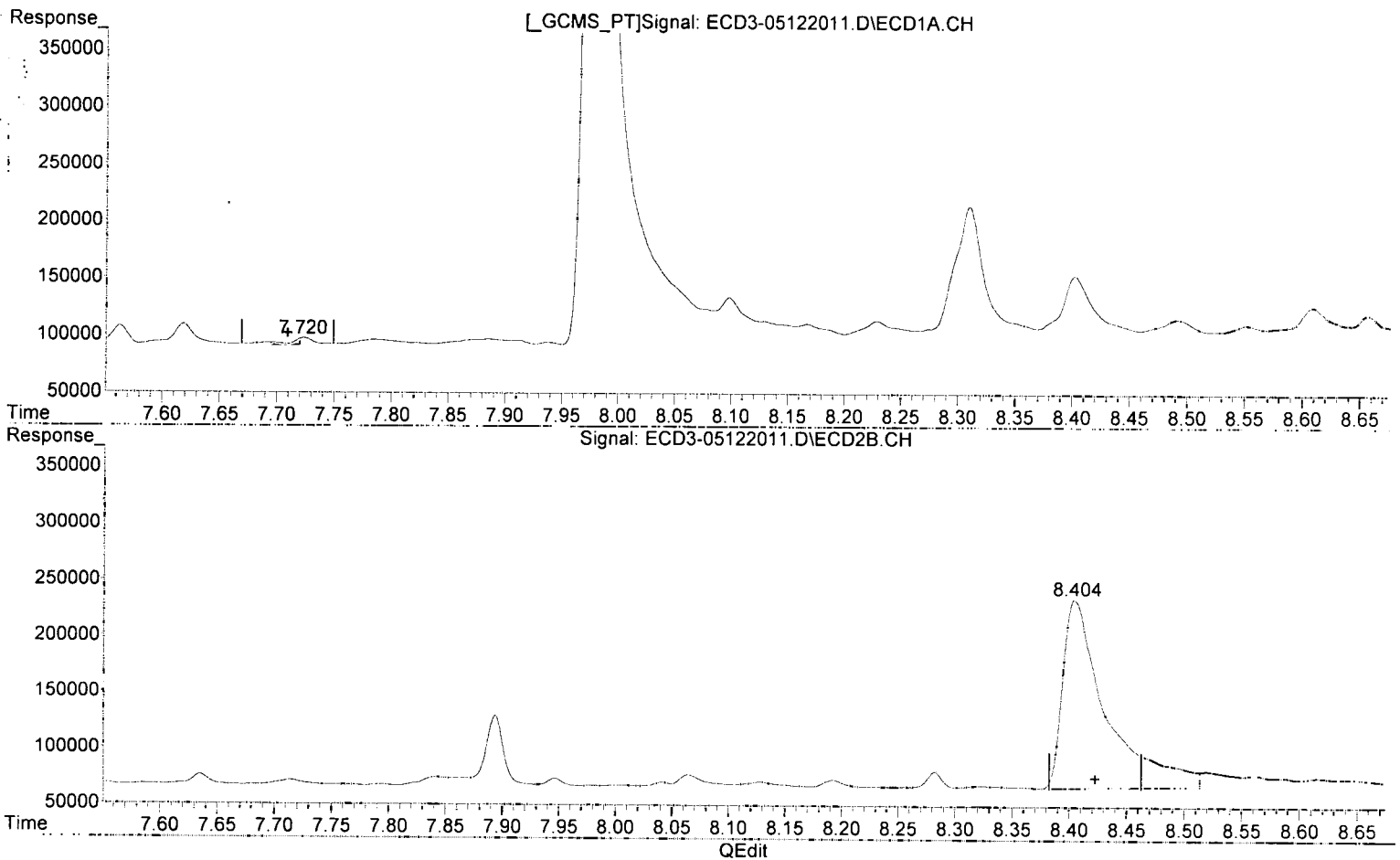
MJB 5/13/20

(26) 2,4'-DDE #2
8.042min 2144.936 ng/mL QQA
response 3881

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:17
Operator : MJB
Sample : A0D0763-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.720min -0.151 ng/mL (m)
response 5486

MJB
5/13/20

(28) 2,4'-DDD #2
8.404min 2.223 ng/mL *Pal*
response 167294

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 16:17
 Operator : MJB
 Sample : A0D0763-03RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 13 11:35:04 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 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)	5.379	5.896	4565410	3456016	30.825	30.728
22) S DCBP (S)	9.614	10.477	4491433	2817633	40.759	42.296
Target Compounds						
2) a-BHC	5.919	0.000	40754	0	0.201	N.D. #
3) g-BHC	6.215	0.000	12102	0	0.070	N.D. #
4) b-BHC	6.273	0.000	14890	0	0.218	N.D. #
5) Heptachlor	6.630	0.000	10197	0	0.062	N.D. #
6) d-BHC	0.000	7.124f	0	9533	N.D.	0.078 #
7) Aldrin	6.857	0.000	7740	0	0.046	N.D. #
8) Heptachlo...	0.000	7.894	0	62750	N.D.	0.533 #
9) trans-Chl...	0.000	8.042	0	3581	N.D.	0.030 #
10) cis-Chlor...	7.509	8.128f	19466	4262	0.124	0.037 #
11) Endosulfa...	7.619	8.192	18060	5972	0.126	0.056 #
12) 4,4'-DDE	7.563f	8.282	16808	13967	0.117	0.121
13) Dieldrin	0.000	8.404	0	167294	N.D.	1.397 #
14) Endrin	7.978f	0.000	1035070	0	8.390	N.D. #
15) 4,4'-DDD	7.978f	8.720f	1035070	16660	8.526	0.177 #
16) Endosulfa...	8.098	8.775	38200	10724	0.316	0.117 #
17) 4,4'-DDT	8.229	0.000	15552	0	0.274	N.D. #
18) Endrin Al...	8.403	9.007	52231	8474	0.283	3407.103 #
19) Endosulfa...	8.717	9.181f	8936	6864	0.074	0.082
20) Methoxychlor	8.552	9.438f	6353	15192	0.193	0.634 #
21) Endrin Ke...	8.883f	9.617	471982	7507	3.277	0.078 #
23) Hexachlor...	3.154	3.569	12208	10125	2108.632	838.016 #
24) Hexachlor...	5.765	6.365	17772	11737	BelowCal	2197.521
25) Oxychlorane	0.000	7.841	0	7671	N.D.	3277.660 #
26) 2,4'-DDE	0.000	8.042	0	3581	N.D.	2144.936 #
27) trans-Non...	7.509	8.128	19466	4262	BelowCal	1953.525
28) 2,4'-DDD	7.724	8.404	5248	167294	BelowCal	2.223
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	7.978	8.720f	1035070	16660	6.548	2549.416 #
31) Mirex	8.657	9.617	13350	7507	7125.749	3567.418 #
32) Chlordane...	7.563f	8.128f	16808	4262	0.952	0.295 #
33) Chlordane...	7.619	8.282	18060	13967	0.872	1.130
34) Chlordane...	8.167f	0.000	14229	0	2.674	N.D. #
35) Chlordane...	3.764f	3.779	41285	9720	NoCal	NoCal
36) Toxaphene...	7.619	8.519	18060	13457	21.696	12.015 #
37) Toxaphene...	0.000	8.830f	0	68567	N.D.	50.267 #
38) Toxaphene...	8.229	0.000	15552	0	5.000	N.D. #
39) Toxaphene...	8.492	0.000	12318	0	BelowCal	N.D.
40) Toxaphene...	8.717	9.143	8936	4311	3.794	BelowCal #
41) Toxaphene...	8.792	9.487f	26091	4649	8.601	2.297 #
42) Toxaphene...	3.764f	3.779	41285	9720	NoCal	NoCal

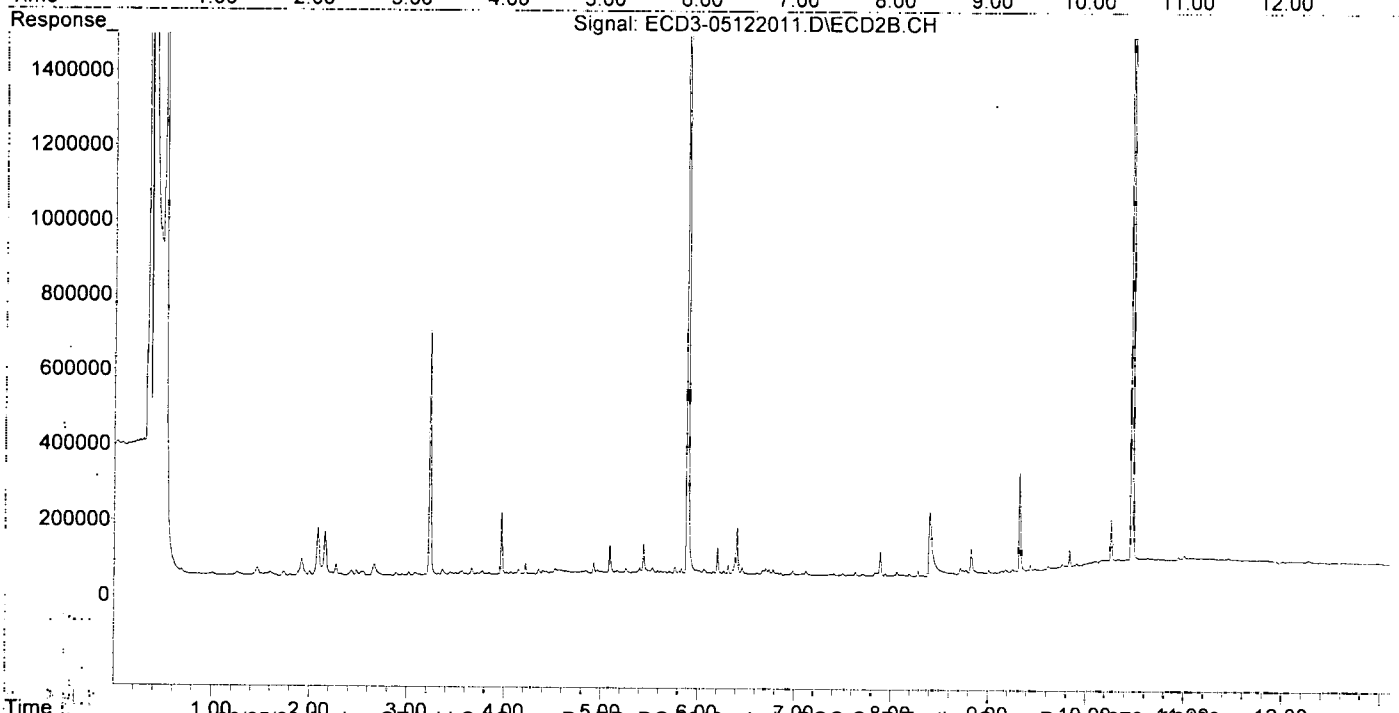
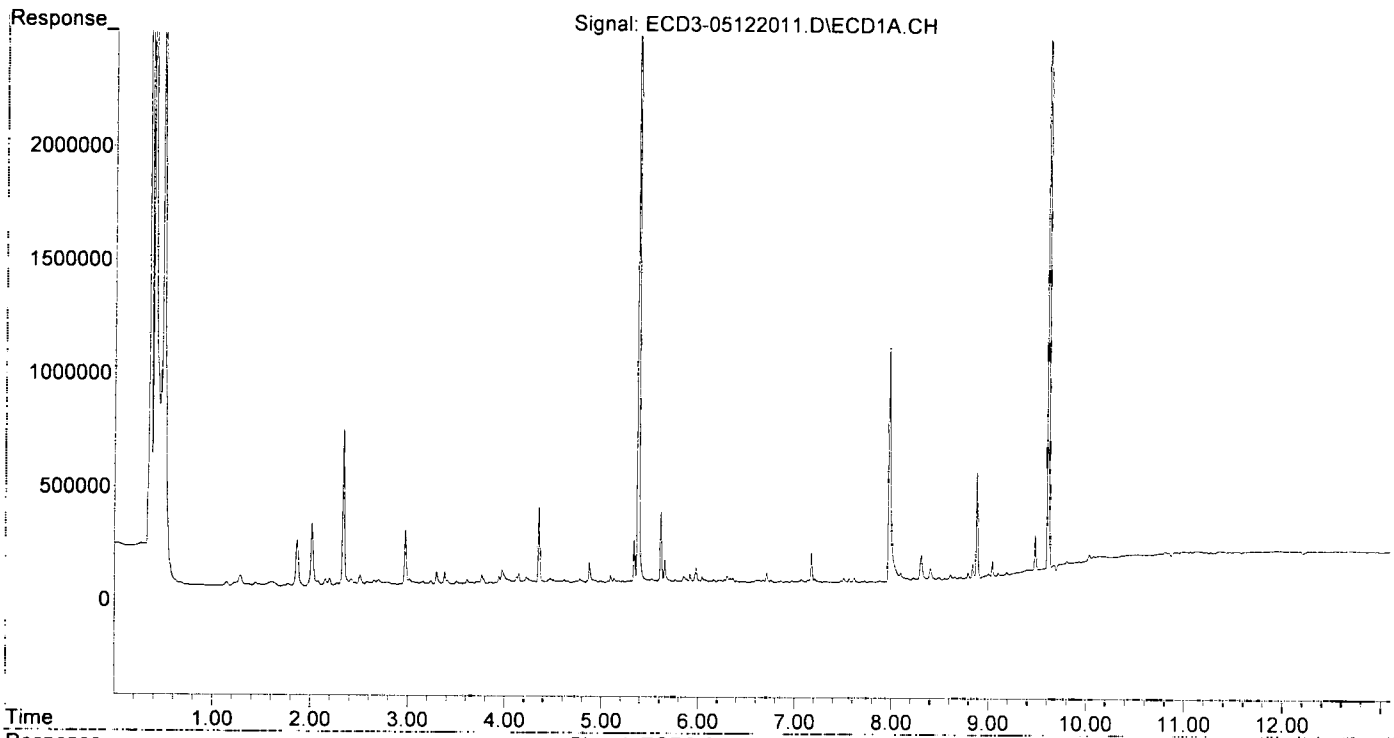
MJB
5/13/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 16:17
Operator : MJB
Sample : A0D0763-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 13 11:35:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 19:43
 Operator : MJB
 Sample : 0E12047-CCV3
 Misc : A20C184, 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 13 11:35:28 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

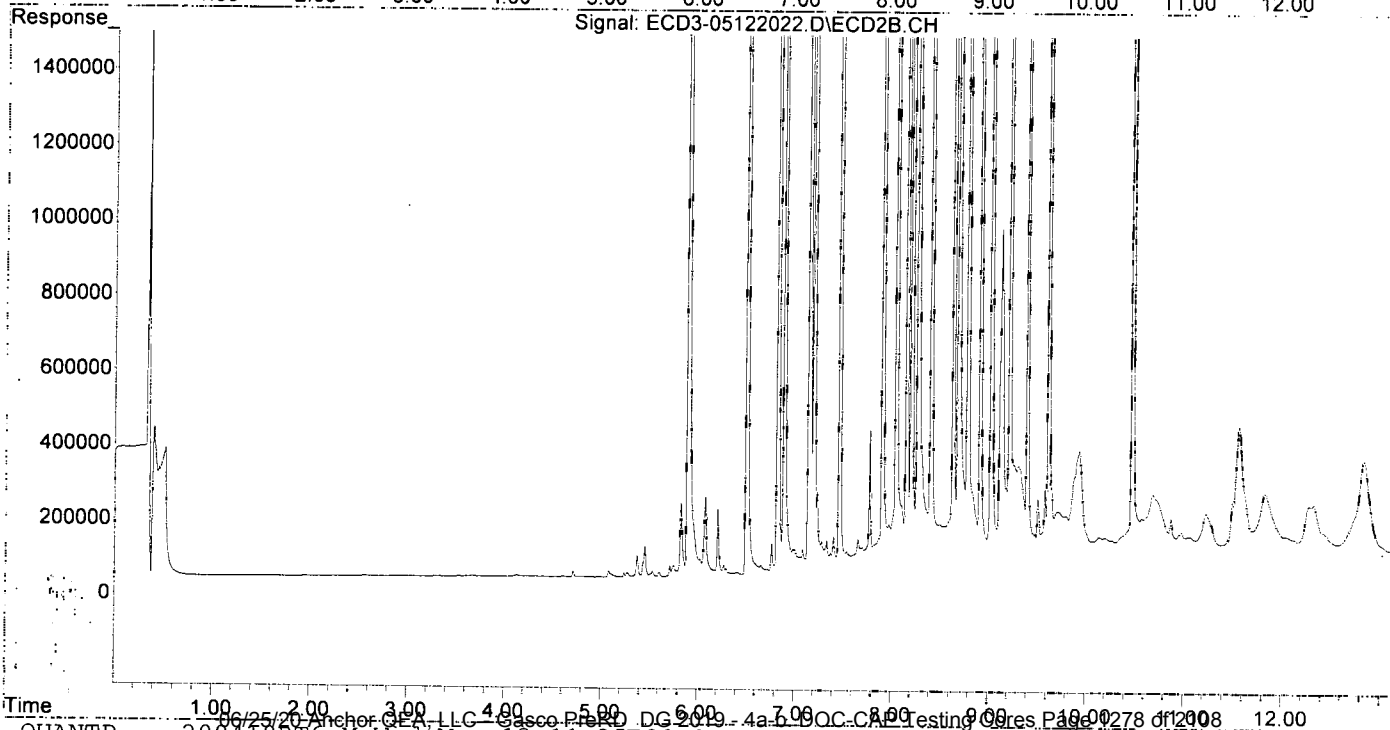
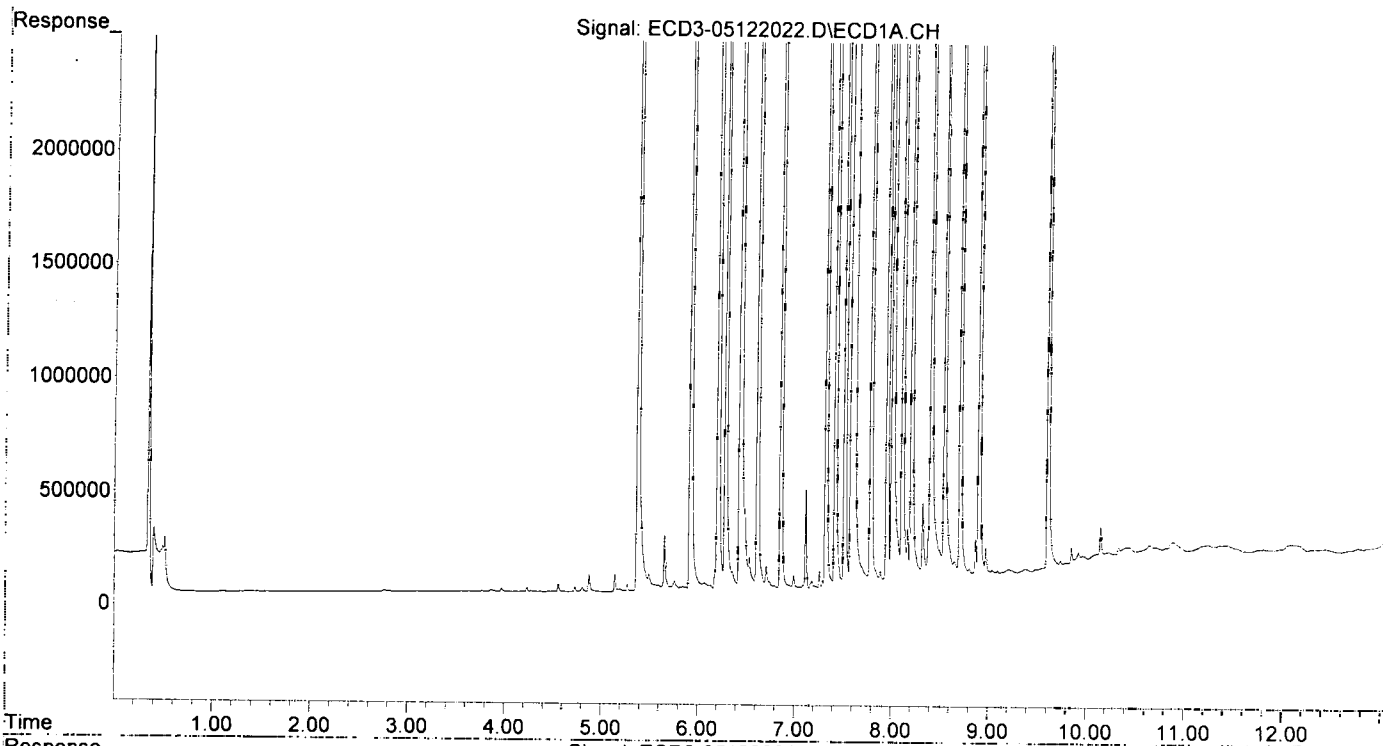
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.377	5.895	14578884	9589109	98.435	88.247
22) S DCBP (S)	9.612	10.474	11311852	7315441	102.788	113.849
Target Compounds						
2) a-BHC	5.920	6.506	21720798	14157022	107.372	90.187
3) g-BHC	6.205	6.826	18717473	12673502	108.393	94.069
4) b-BHC	6.282	6.892	7024504	5338935	102.965	86.930
5) Heptachlor	6.617	7.200	18989446	12099380	115.967	106.883
6) d-BHC	6.434	7.148	14884218	10262362	106.037	83.955
7) Aldrin	6.859	7.466	17731042	12872195	105.768	96.859
8) Heptachlo...	7.325	7.909	16624356	11646907	106.305	98.961
9) trans-Chl...	7.421	8.049	16996079	11803681	108.009	97.873
10) cis-Chlor...	7.518	8.157	16054261	10992107	102.276	94.901
11) Endosulfa...	7.617	8.207	15455677	10512604	107.689	97.757
12) 4,4'-DDE	7.584	8.269	14198577	10825297	98.429	94.009
13) Dieldrin	7.789	8.409	17164772	12092414	106.804	100.986
14) Endrin	7.956	8.637	14543733	9694371	117.894	112.139
15) 4,4'-DDD	8.008	8.688	11320392	8559804	93.245	90.708
16) Endosulfa...	8.114	8.786	13036116	8997065	107.691	98.095
17) 4,4'-DDT	8.207	8.914	11199152	6815092	104.038	102.219
18) Endrin Al...	8.407	9.025	10142659	7449935	97.679	95.162
19) Endosulfa...	8.711	9.216	12351809	7652927	102.539	90.914
20) Methoxychlor	8.548	9.399	5252982	3557006	104.868	110.649
21) Endrin Ke...	8.906	9.617	15234797	7647859	105.763	79.935
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.760	0.000	39722	0	0.095	N.D. #
25) Oxychlorane	7.259	7.873f	75623	82617	0.385	0.618 #
26) 2,4'-DDE	7.325	8.049	16624356	11803681	174.667	165.029
27) trans-Non...	7.518	0.000	16054261	0	110.723	N.D. #
28) 2,4'-DDD	0.000	8.409	0	12092414	N.D.	193.069 #
29) 2,4'-DDT	7.888	8.637	55084	9694371	0.732	180.731 #
30) cis-Nonac...	8.008f	8.688	11320392	8559804	72.900	75.583
31) Mirex	8.656	9.617	70457	7647859	0.342	116.291 #
32) Chlordane...	7.518f	8.157	16054261	10992107	909.565	759.794
33) Chlordane...	7.617	8.269	15455677	10825297	745.857	875.736
34) Chlordane...	8.207	8.914	11199152	6815092	2104.821	1884.447
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.617	0.000	15455677	0	18567.267	N.D. #
37) Toxaphene...	7.956f	8.836f	14543733	197675	9651.840	144.917 #
38) Toxaphene...	8.207f	8.914f	11199152	6815092	3600.590	3140.096
39) Toxaphene...	8.498	0.000	127316	0	39.413	N.D. #
40) Toxaphene...	8.711	9.129	12351809	891363	5244.650	483.473 #
41) Toxaphene...	8.807f	9.509	34262	171603	11.295	84.784 #
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\2020-05\0E12047\
Data File : ECD3-05122022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 19:43
Operator : MJB
Sample : 0E12047-CCV3
Misc : A20C184, 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 13 11:35:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 20:00
 Operator : MJB
 Sample : 0E12047-CCV4
 Misc : A20C359, 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 13 11:35:32 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 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)	5.350f	5.914f	197607	4326	1.334	1884.076	#
22) S DCBP (S)	9.633	0.000	36988	0	0.111	N.D.	#
Target Compounds							
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3) g-BHC	6.180f	0.000	5625	0	0.033	N.D.	#
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5) Heptachlor	6.618	7.200	47816	28649	0.292	0.253	
6) d-BHC	6.403f	0.000	5225	0	0.037	N.D.	#
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8) Heptachlo...	7.332	7.891	9454311	35974	60.456	0.306	#
9) trans-Chl...	7.422	8.047	221773	7455017	1.409	61.815	#
10) cis-Chlor...	7.512	8.159	15799768	475555	100.655	4.106	#
11) Endosulfa...	7.599f	8.223	57164	36860	0.398	0.343	
12) 4,4'-DDE	7.599	0.000	57164	0	0.396	N.D.	#
13) Dieldrin	7.754f	8.422	477784	6696747	2.973	55.926	#
14) Endrin	7.986f	8.647	17160970	5742900	139.109	66.430	#
15) 4,4'-DDD	7.986f	8.684	17160970	11827731	141.353	125.339	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	8.209	8.895f	15228	3081	0.270	0.127	#
18) Endrin Al...	8.416	9.030	16496	5018	BelowCal	3407.146	
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...	8.893	9.607	25916	7414580	0.180	77.497	#
23) Hexachlor...	3.154	3.570	17728733	15185085	107.602	105.272	
24) Hexachlor...	5.763	6.366	13938861	9591847	101.853	91.558	
25) Oxychlorane	7.253	7.838	14142215	10284927	108.034	107.537	
26) 2,4'-DDE	7.332	8.047	9454311	7455017	101.449	100.869	
27) trans-Non...	7.512	8.114	15799768	10981736	108.984	104.909	
28) 2,4'-DDD	7.708	8.422	8468105	6696747	102.951	103.667	
29) 2,4'-DDT	7.891	8.647	8722681	5742900	115.871	107.064	
30) cis-Nonac...	7.986	8.684	17160970	11827731	109.938	105.825	
31) Mirex	8.656	9.607	10710189	7414580	109.508	112.610	
32) Chlordane...	7.512f	8.159	15799768	475555	895.147	32.871	#
33) Chlordane...	7.643	0.000	44939	0	2.169	N.D.	#
34) Chlordane...	8.178	8.895f	15802	3081	2.970	BelowCal	#
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.643	8.490	44939	59162	53.986	52.824	
37) Toxaphene...	7.891f	8.840	8722681	36747	5788.742	26.939	#
38) Toxaphene...	8.270f	8.895	12368	3081	3.976	1.420	#
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40) Toxaphene...	0.000	9.138	0	4719	N.D.	BelowCal	
41) Toxaphene...	8.757f	9.486f	25759	11512	8.492	5.688	
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

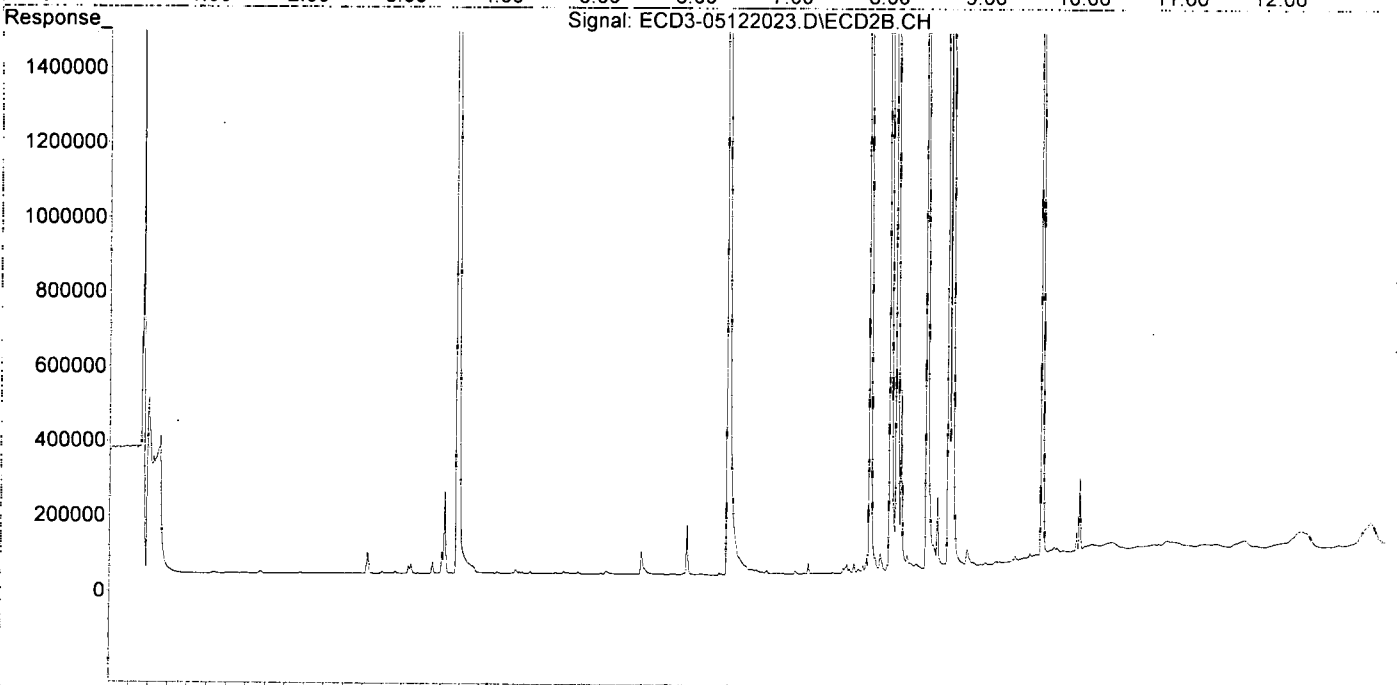
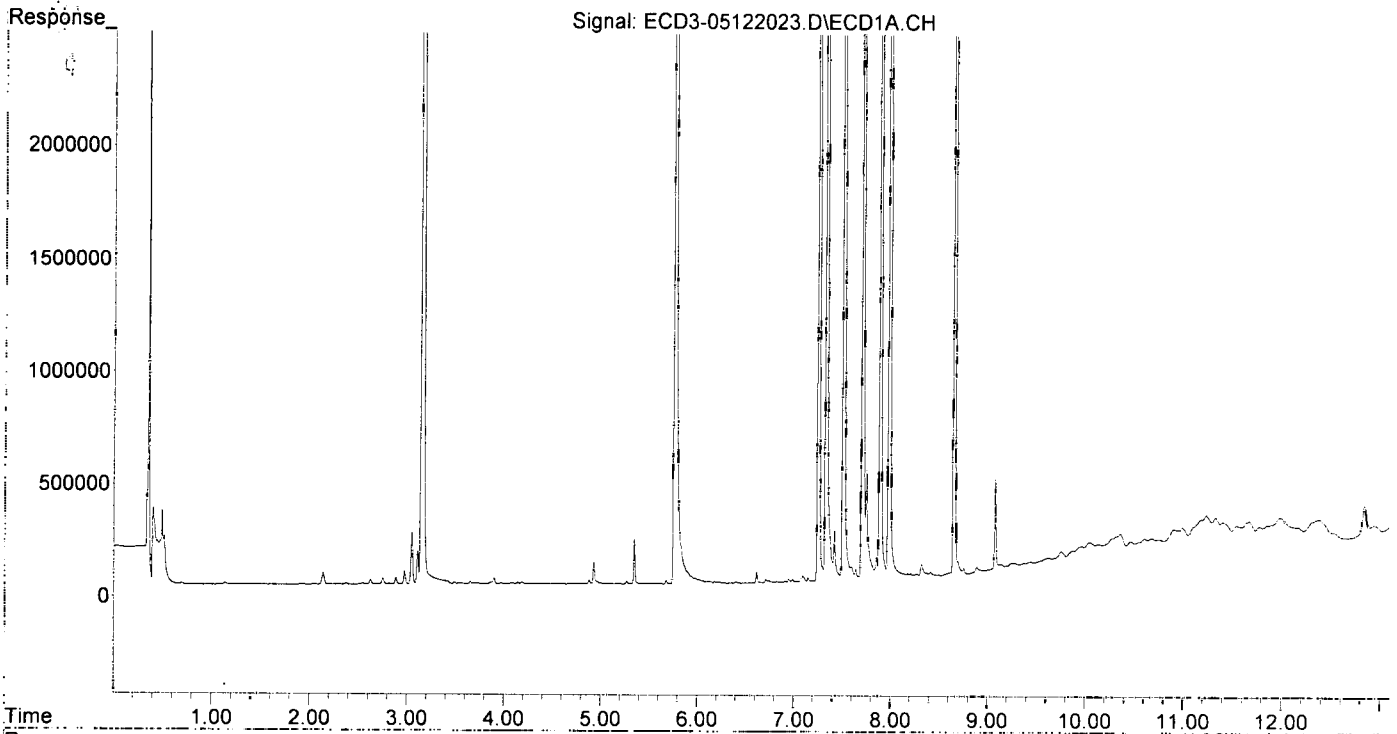
MJB
5/13/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 20:00
Operator : MJB
Sample : 0E12047-CCV4
Misc : A20C359, 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 13 11:35:32 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
 Data File : ECD3-05122024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 12 May 2020 20:17
 Operator : MJB
 Sample : 0E12047-CCB2
 Misc : A20D303
 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 13 11:35:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/13/20

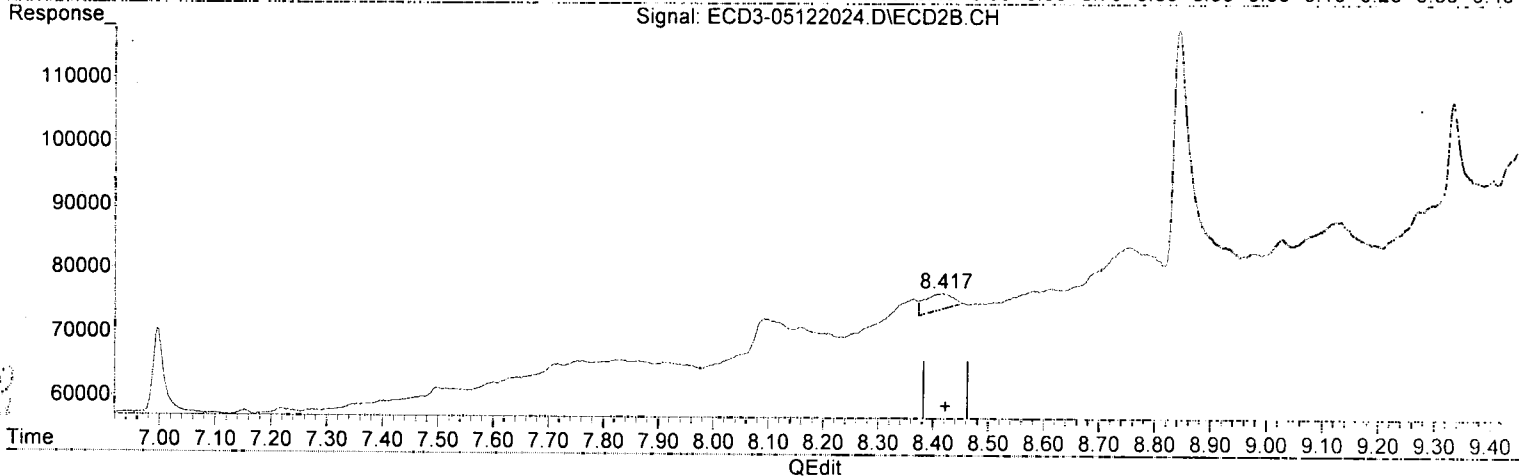
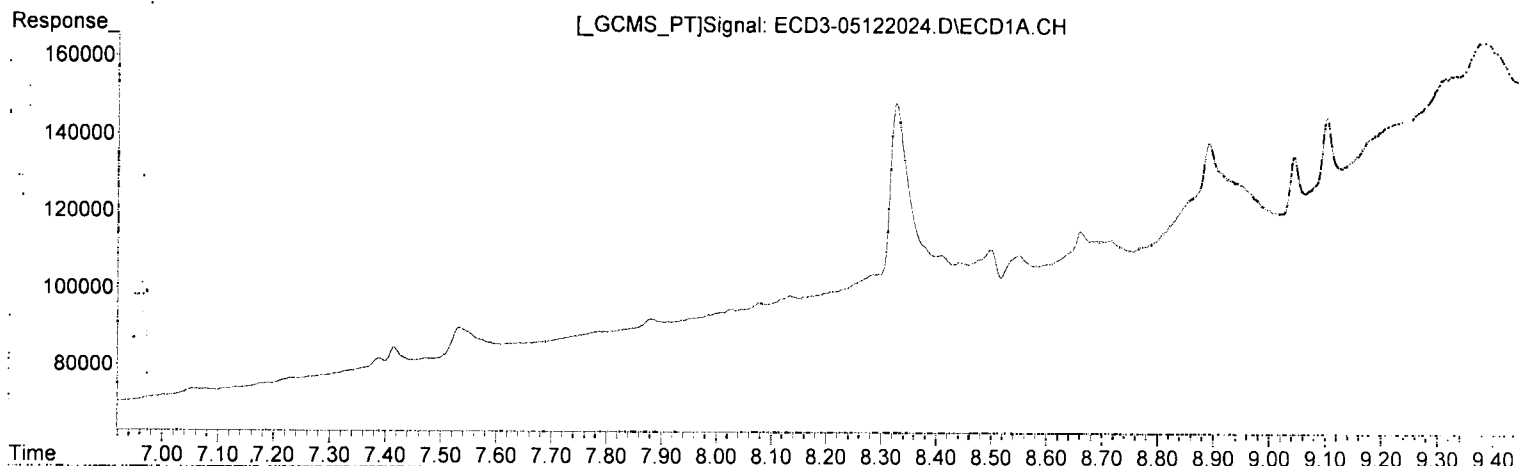
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.377	5.895	13837905	9298677	93.432	85.436
22) S DCBP (S)	9.614	10.475	11252294	6823084	102.247	105.775
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	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...	7.415	0.000	4245	0	0.027	N.D. #
10) cis-Chlor...	7.536	0.000	6225	0	0.040	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	8.417	0	2398	N.D.	0.020 #
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	8.755f	0	4194	N.D.	0.046 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	0.000	9.028	0	2349	N.D.	3407.179 #
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	8.549	9.404	4437	1122	0.146	0.088
21) Endrin Ke...	8.890	0.000	22696	0	0.158	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.764	0.000	26903	0	BelowCal	N.D.
25) Oxychlorane	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...	7.536f	8.092f	6225	3261	BelowCal	1953.534
28) 2,4'-DDD	0.000	8.417	0	2398	N.D.	3167.851 # QDM
29) 2,4'-DDT	7.882	0.000	1440	0	0.019	N.D. #
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	8.660	0.000	5127	0	7125.832	N.D. #
32) Chlordane...	7.536	0.000	6225	0	0.353	N.D. #
33) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
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...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.843	0	36612	N.D.	26.840 #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.498	0.000	7798	0	BelowCal	N.D.
40) Toxaphene...	0.000	9.132	0	3919	N.D.	BelowCal
41) Toxaphene...	0.000	0.000	0	0	N.D.	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 (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 20:17
Operator : MJB
Sample : 0E12047-CCB2
Misc : A20D303
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 13 11:35:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

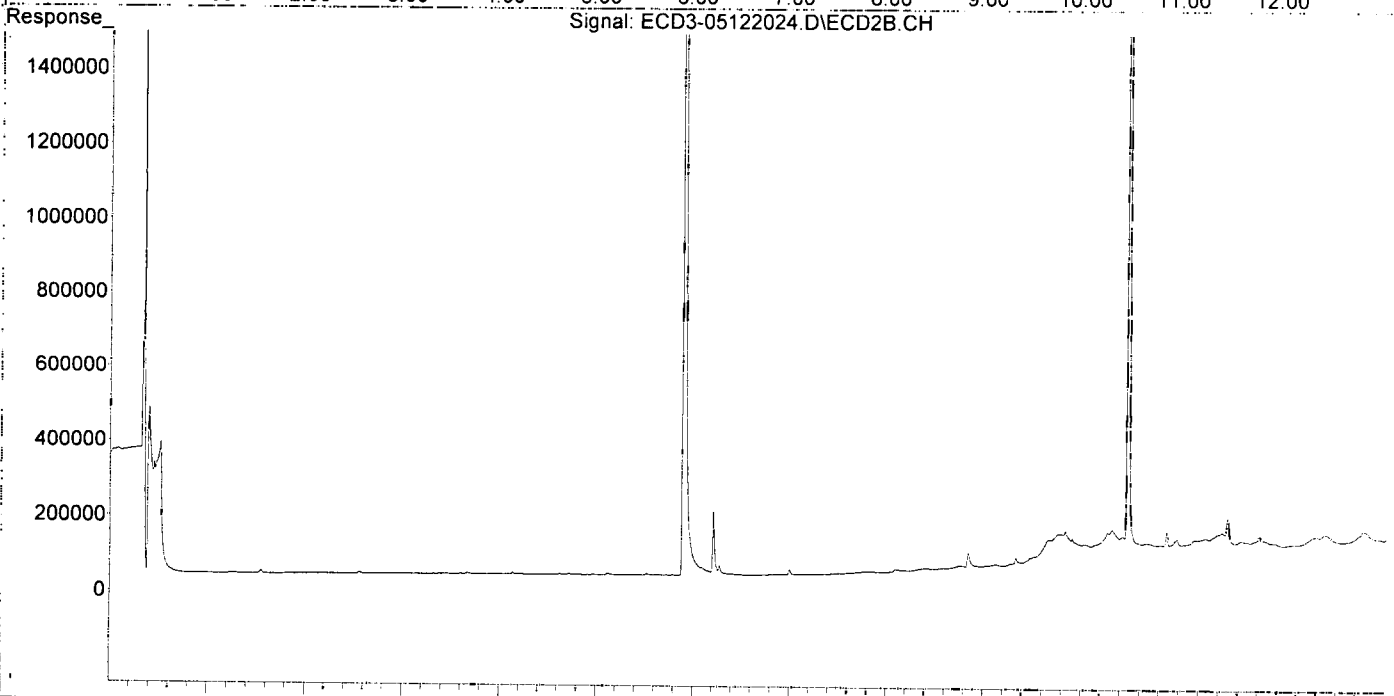
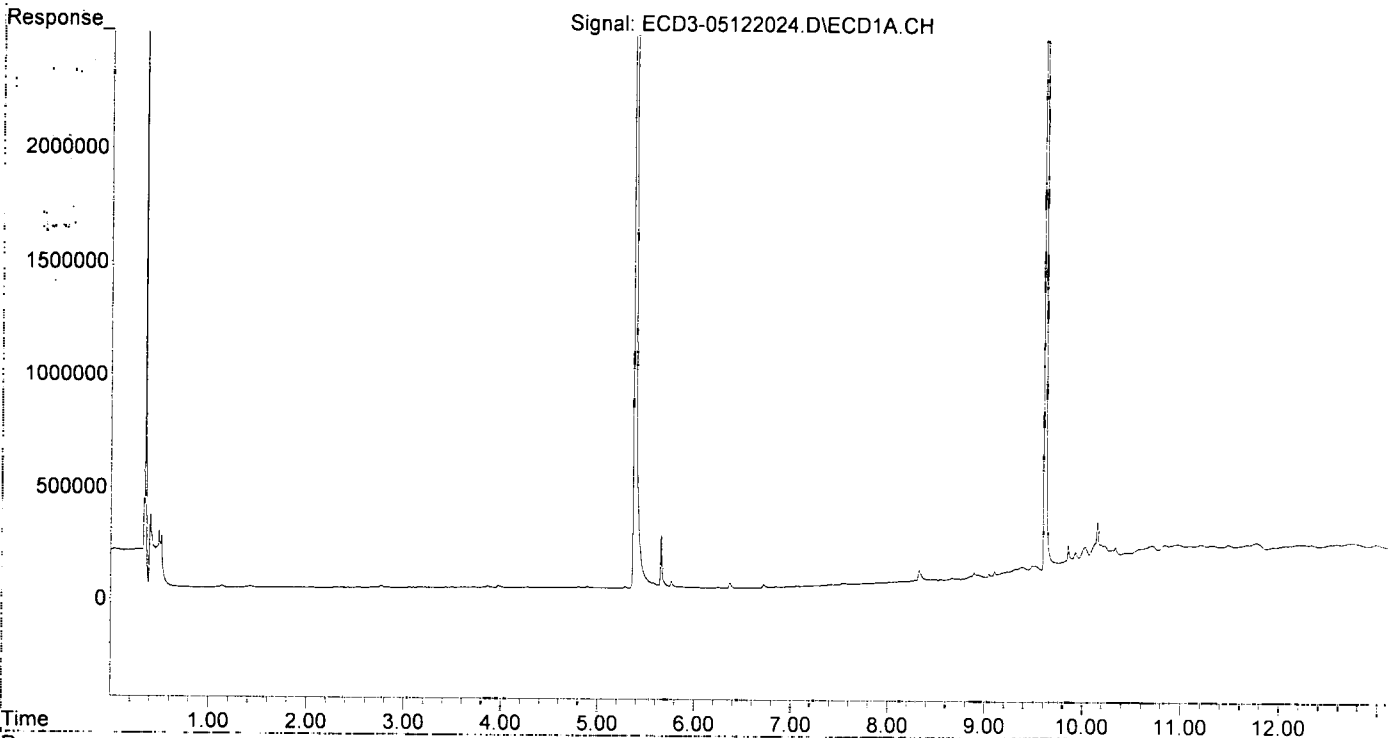
MJB
5/13/20

(28) 2,4'-DDD #2
8.417min 3167.851 ng/mL *Q-201*
response ~~2398~~

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E12047\
Data File : ECD3-05122024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 12 May 2020 20:17
Operator : MJB
Sample : 0E12047-CCB2
Misc : A20D303
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 13 11:35:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Sequence 0E13040 (A0D0763-04RE1,05RE1,06RE1,07RE1,08RE1,
09RE1,10RE1,11RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E13040**

Instrument: **DUALECD3**

Date: **05/13/20 11:07**

Calibration: **A0D1308**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E13040-BKD1	Sediment	QC	QC				A20C091
2	0E13040-CCV1	Sediment	QC	QC				A20C183
3	0E13040-CCV2	Sediment	QC	QC				A20C358
4	0E13040-CCB1	Sediment	QC	QC				A20D303
5	A0D0763-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
6	A0D0763-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
7	A0D0763-06RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
8	A0D0763-07RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
9	A0D0763-09RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
10	A0D0763-10RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
11	A0D0763-11RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
12	0E13040-CCV3	Sediment	QC	QC				A20C184
13	0E13040-CCV4	Sediment	QC	QC				A20C359
14	0E13040-CCB2	Sediment	QC	QC				A20D303
15	A0D0763-08RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/12/20	0050393		
16	0E13040-IBL1	Sediment	QC	QC				
17	A0E0004-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/13/20	0050393		
18	0E13040-IBL2	Sediment	QC	QC				
19	A0E0004-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/13/20	0050393		
20	0E13040-IBL3	Sediment	QC	QC				
21	A0E0004-13RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	05/13/20	0050393		
22	0E13040-IBL4	Sediment	QC	QC				
23	0050393-MS1	Sediment	QC	QC		0050393		
24	0E13040-IBL5	Sediment	QC	QC				
25	0050393-MSD1	Sediment	QC	QC		0050393		
26	0E13040-IBL6	Sediment	QC	QC				
27	0E13040-CCV5	Sediment	QC	QC				A20C183
28	0E13040-CCV6	Sediment	QC	QC				A20C358
29	0E13040-CCB3	Sediment	QC	QC				A20D303

Data Entered By: WB 5/14/20

Comments:

Data Reviewed By: WB 5/15/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0E13040 BKD1
Data File: ECD3-05132003.D

First Column Area Counts		Percent Breakdown	
DDE	765346		
DDD	6207615		
DDT	135862382	4.88	PASS
Endrin	82785916	8.60	PASS
Endrin Aldehyde	2250995		
Endrin Ketone	5540966		

Second Column Area Counts		Percent Breakdown	
DDE	810426		
DDD	6879839		
DDT	77354760	9.04	PASS
Endrin	54770235	9.09	PASS
Endrin Aldehyde	1596708		
Endrin Ketone	3877750		

Breakdown must be less than 15% to accept sample data.

MB
5/14/21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 11:54
 Operator : MJB
 Sample : 0E13040-BKD1
 Misc : A20C091
 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 13 12:13:46 2020
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200410RT6.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	7.583	765346	NoCal	ng/mL
2) Endrin	7.954	82785916	NoCal	ng/mL
3) 4,4'-DDD	8.008	6207615	NoCal	ng/mL
4) 4,4'-DDT	8.205	135862382	NoCal	ng/mL
5) Endrin Aldehyde	8.405	2250995	NoCal	ng/mL
6) Endrin Ketone	8.904	5540966	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.268	810426	NoCal	ng/mL
9) Endrin [2C]	8.634	54770235	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.686	6879839	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.022	1596708	NoCal	ng/mL
12) 4,4'-DDT [2C]	8.911	77354760	NoCal	ng/mL
13) Endrin Ketone [2C]	9.613	3877750	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

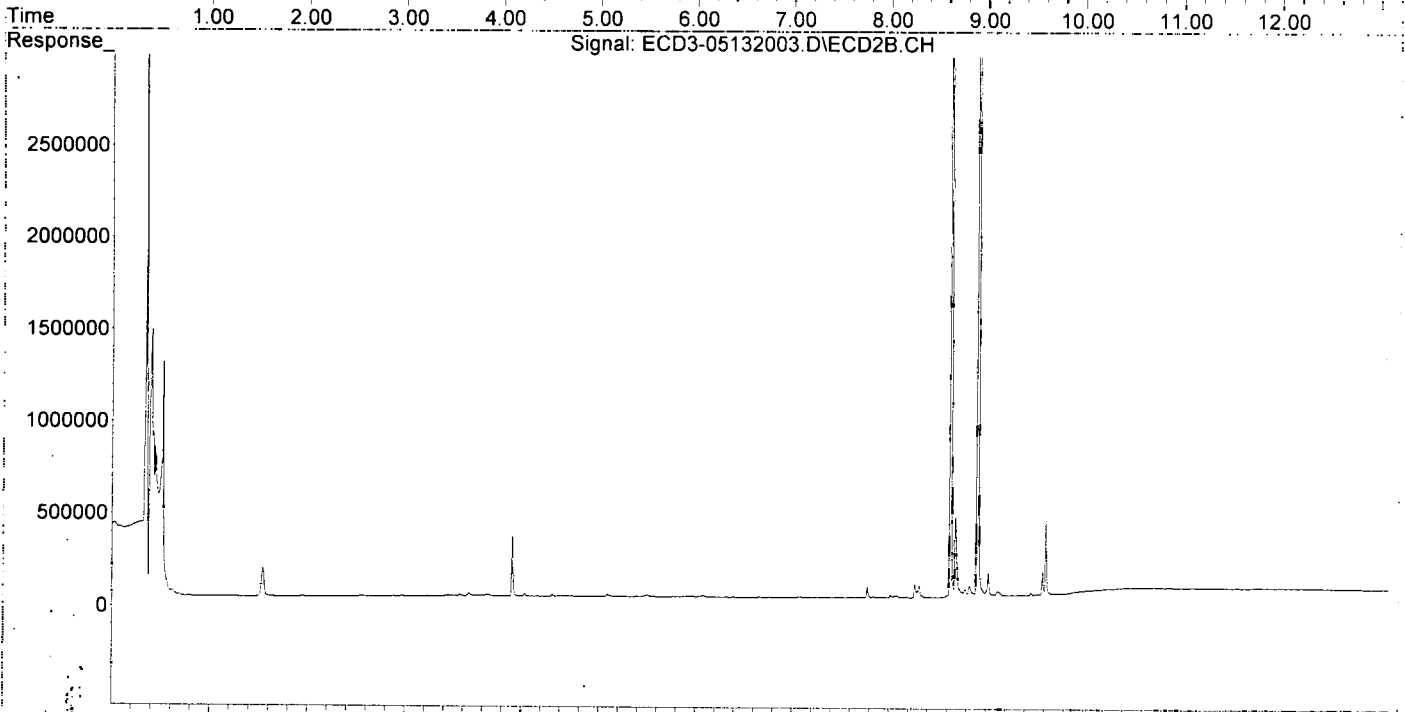
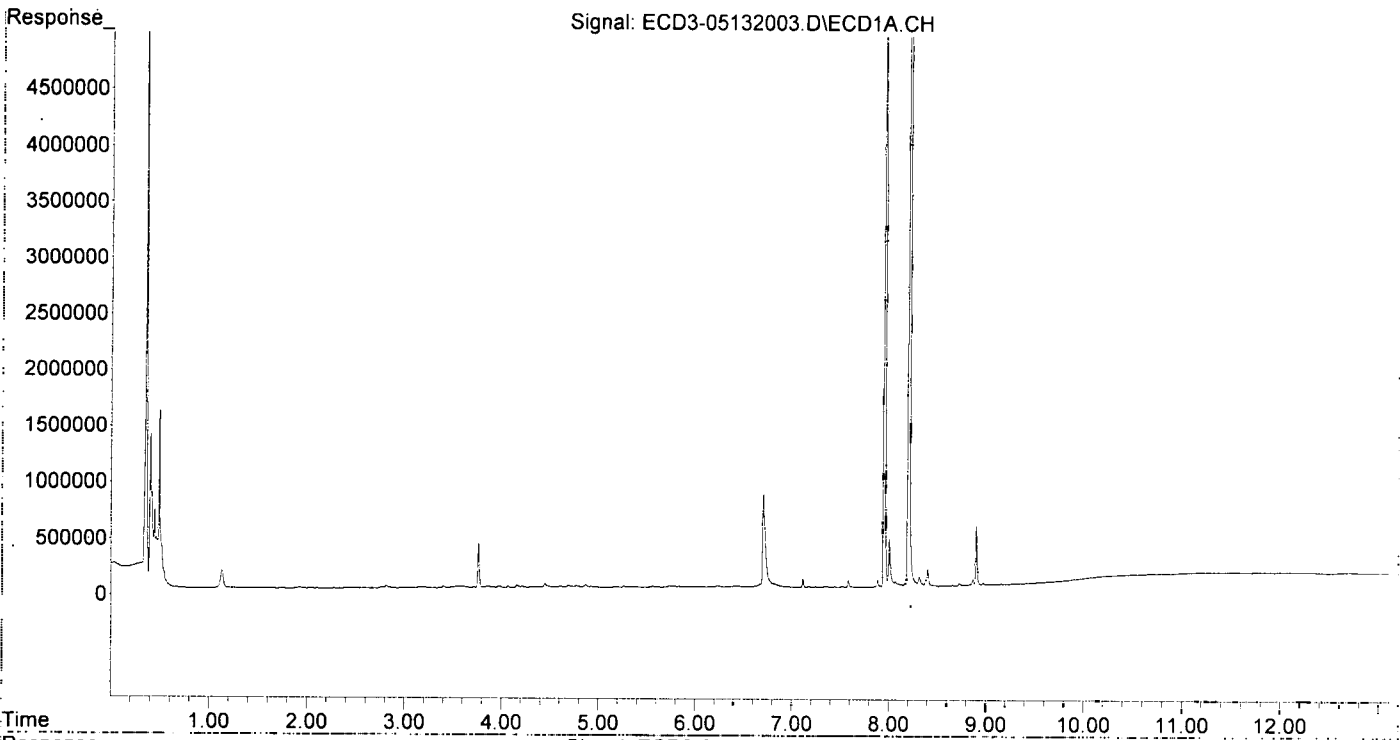
(m)=manual int.

MJB
5/14/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 11:54
Operator : MJB
Sample : 0E13040-BKD1
Misc : A20C091
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 13 12:13:46 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200410RT6.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\2020-05\0E13040\
 Data File : ECD3-05132004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 12:11
 Operator : MJB
 Sample : 0E13040-CCV1
 Misc : A20C183, 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 14 11:15:52 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

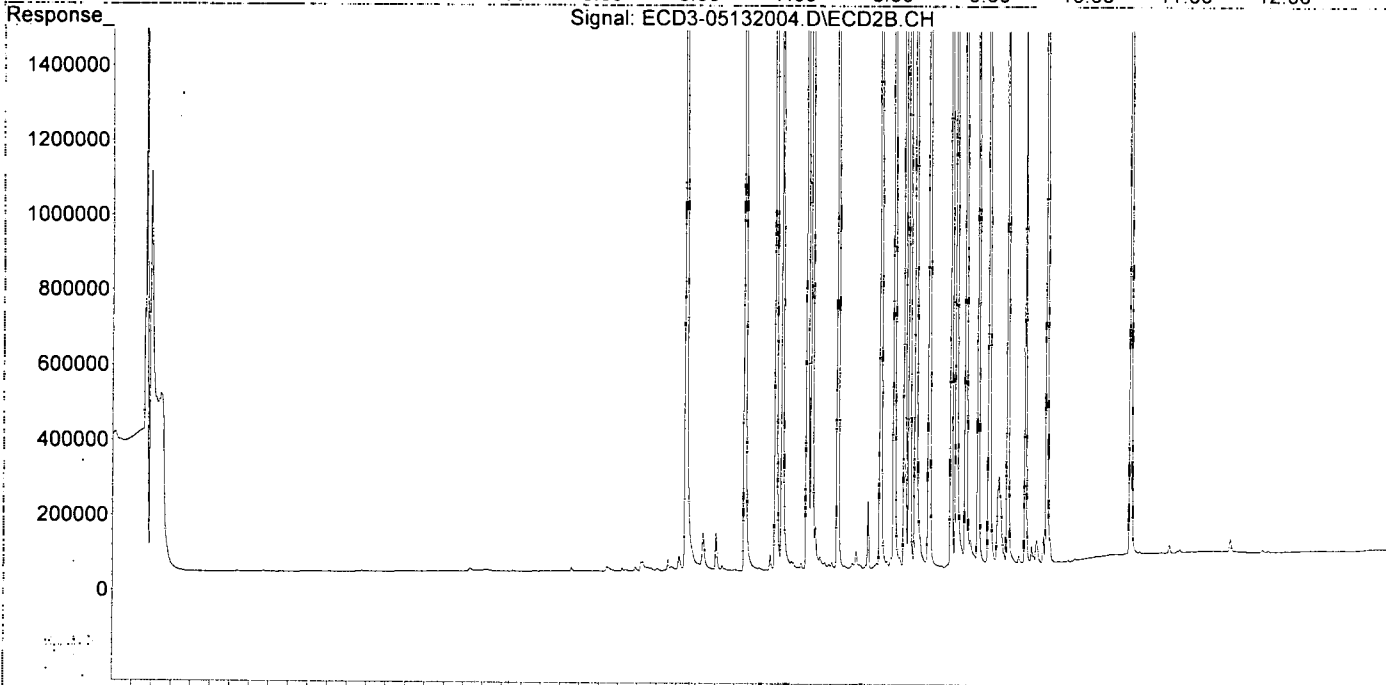
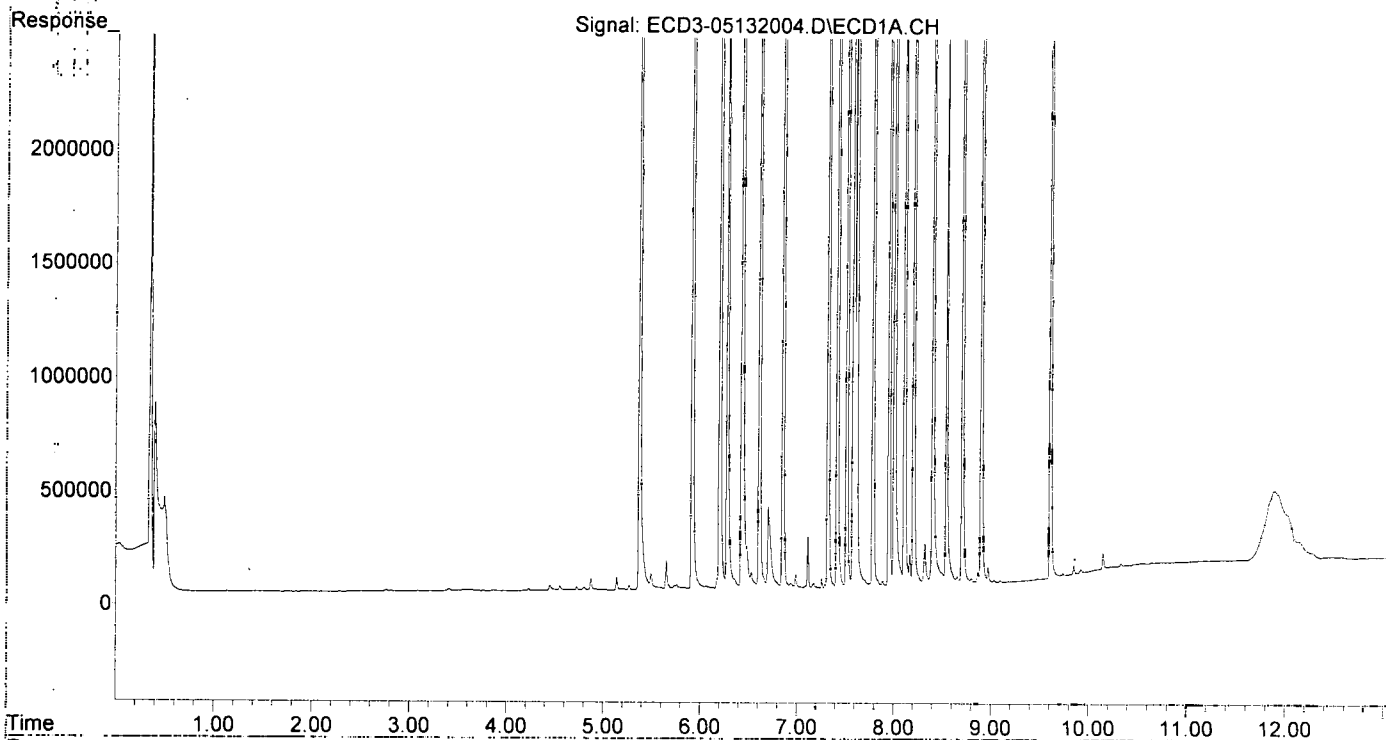
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375	5.892	7238634	5259681	48.874	47.260
22) S DCBP (S)	9.610	10.471	5867949	3701782	53.298	55.988
Target Compounds						
2) a-BHC	5.919	6.503	10835237	7948352	53.562	50.635
3) g-BHC	6.204	6.822	9360813	6966468	54.208	51.709
4) b-BHC	6.280	6.889	3377429	2863309	49.506	46.621
5) Heptachlor	6.615	7.197	8967799	5725948	54.766	50.581
6) d-BHC	6.432	7.146	7454302	6079772	53.105	49.738
7) Aldrin	6.857	7.463	9042881	6860227	53.942	51.621
8) Heptachlo...	7.323	7.905	8223116	6061163	52.583	51.500
9) trans-Chl...	7.419	8.046	8548796	6147807	54.327	50.976
10) cis-Chlor...	7.517	8.154	8418711	6032901	53.633	52.085
11) Endosulfa...	7.615	8.204	7877066	5592410	54.884	52.004
12) 4,4'-DDE	7.582	8.267	7303917	5728146	50.633	49.744
13) Dieldrin	7.788	8.406	8763020	6135994	54.526	51.243
14) Endrin	7.954	8.634	7141885	4678534	57.893	54.118
15) 4,4'-DDD	8.007	8.685	6024604	4507575	49.624	47.767
16) Endosulfa...	8.111	8.783	6474049	4872312	53.482	53.123
17) 4,4'-DDT	8.205	8.911	5130791	3136900	53.017	51.730
18) Endrin Al...	8.405	9.022	5359715	3979257	51.714	50.031
19) Endosulfa...	8.709	9.214	6126926	3946159	50.863	46.879
20) Methoxychlor	8.545	9.396	2508451	1500838	54.880	52.202
21) Endrin Ke...	8.904	9.614	7523378	4564671	52.229	47.710
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.760	0.000	13505	0	BelowCal	N.D.
25) Oxychlordane	7.258	7.868f	40648	13938	0.114	3277.596 #
26) 2,4'-DDE	7.323	8.046	8223116	6147807	88.558	82.394
27) trans-Non...	7.517	8.106	8418711	28590	58.284	0.039 #
28) 2,4'-DDD	0.000	8.406	0	6135994	N.D.	94.684 #
29) 2,4'-DDT	7.887	8.634	21222	4678534	0.282	87.222 #
30) cis-Nonac...	8.007f	8.685	6024604	4507575	38.920	39.111
31) Mirex	8.656	9.614	31357	4564671	7125.567	68.286 #
32) Chlordane...	7.517f	8.154	8418711	6032901	476.968	417.005
33) Chlordane...	7.615	8.267	7877066	5728146	380.130	463.391
34) Chlordane...	8.205	8.911	5130791	3136900	964.305	866.430
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.615	0.000	7877066	0	9462.904	N.D. #
37) Toxaphene...	7.954f	8.829f	7141885	68511	4739.659	50.226 #
38) Toxaphene...	8.205f	8.911	5130791	3136900	1649.578	1445.346
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.709	9.141	6126926	186298	2601.528	99.481 #
41) Toxaphene...	8.803	9.508	19283	60009	6.357	29.649 #
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\2020-05\0E13040\
Data File : ECD3-05132004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 12:11
Operator : MJB
Sample : 0E13040-CCV1
Misc : A20C183, 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 14 11:15:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 12:29
 Operator : MJB
 Sample : 0E13040-CCV2
 Misc : A20C358, 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 14 11:15:55 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 5/14/20

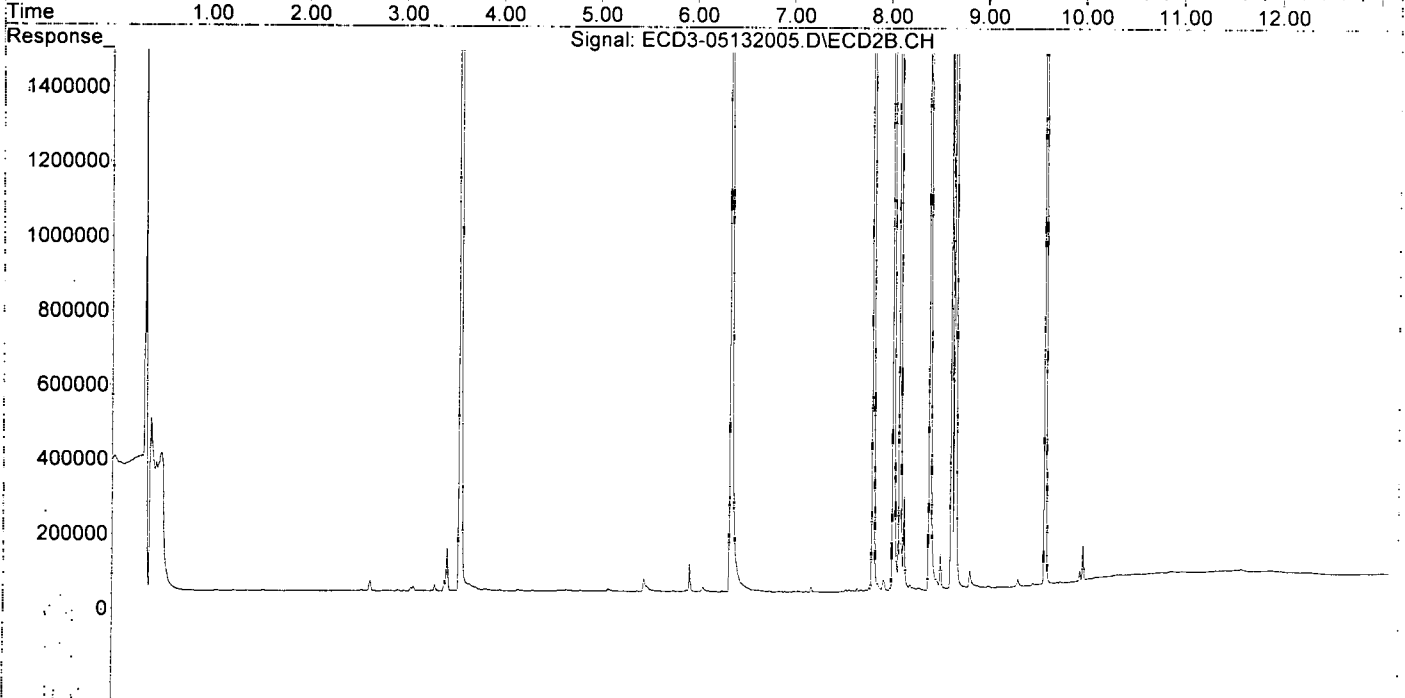
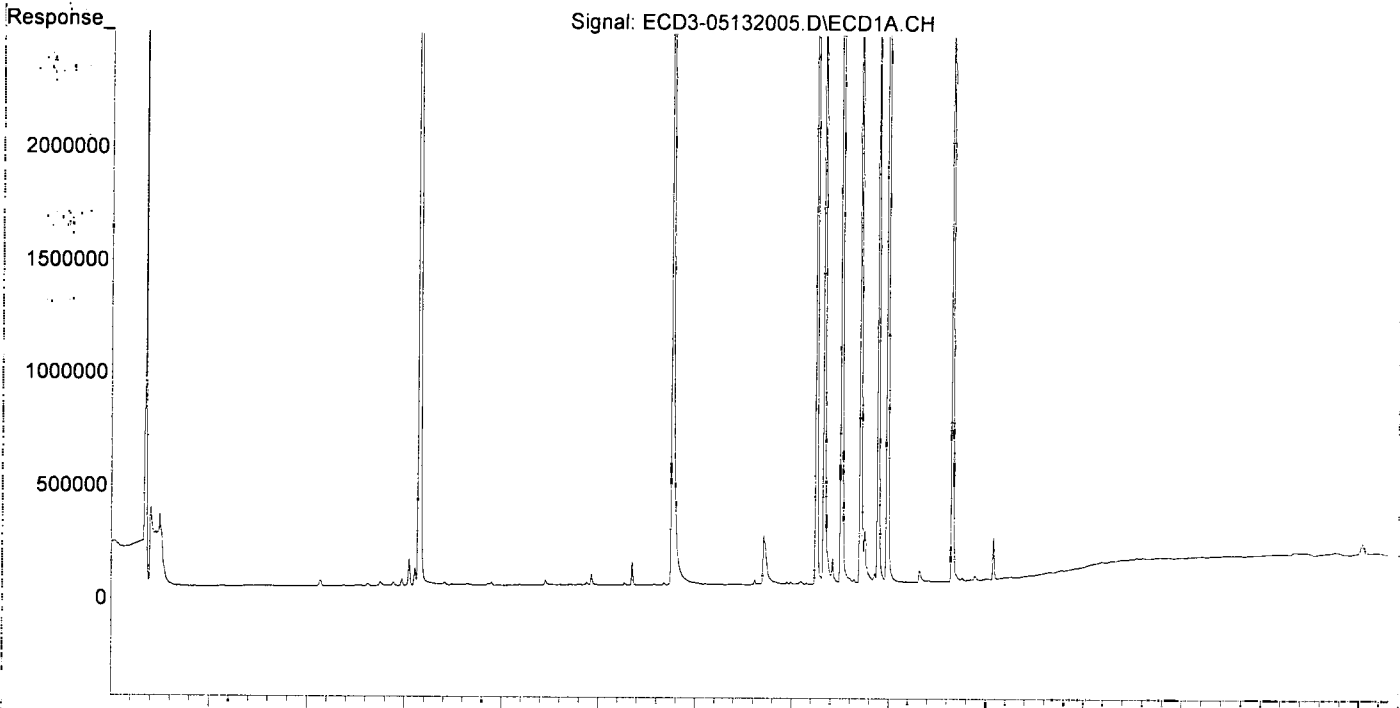
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.347f	0.000	103702	0	0.700	N.D.	#
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.	
Target Compounds							
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3) g-BHC	6.242f	0.000	5453	0	0.032	N.D.	#
4) b-BHC	6.242f	0.000	5453	0	0.080	N.D.	#
5) Heptachlor	6.615	7.197	23122	14264	0.141	0.126	
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...	7.330	7.886	4467178	20056	28.566	0.170	#
9) trans-Chl...	7.419	8.043	112255	3843877	0.713	31.872	#
10) cis-Chlor...	7.509	8.155	7574307	249493	48.253	2.154	#
11) Endosulfa...	7.640f	8.220	17771	16069	0.124	0.149	
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13) Dieldrin	7.751f	8.419	234219	3297383	1.457	27.537	#
14) Endrin	7.983f	8.644	8174171	2606384	66.261	30.149	#
15) 4,4'-DDD	7.983f	8.680	8174171	6052852	67.330	64.142	
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17) 4,4'-DDT	0.000	8.891	0	2030	N.D.	0.108	#
18) Endrin Al...	8.408	9.026	6066	3634	BelowCal	3407.163	
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...	8.886	9.604	19075	3685386	0.132	38.520	#
23) Hexachlor...	3.151	3.566	8831146	7981435	52.069	51.440	
24) Hexachlor...	5.760	6.363	6342841	4955982	46.894	46.189	
25) Oxychlorane	7.251	7.835	7072517	5166147	54.194	52.991	
26) 2,4'-DDE	7.330	8.043	4467178	3843877	48.615	50.647	
27) trans-Non...	7.509	8.111	7574307	5744660	52.449	53.280	
28) 2,4'-DDD	7.706	8.419	4056260	3297383	49.428	50.016	
29) 2,4'-DDT	7.888	8.644	4037941	2606384	53.639	48.591	
30) cis-Nonac...	7.983	8.680	8174171	6052852	52.759	52.891	
31) Mirex	8.653	9.604	5227985	3685386	52.835	54.840	
32) Chlordane...	7.509f	8.155	7574307	249493	429.128	17.245	#
33) Chlordane...	7.640	0.000	17771	0	0.858	N.D.	#
34) Chlordane...	0.000	8.891f	0	2030	N.D.	BelowCal	
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36) Toxaphene...	7.640	8.531f	17771	92380	21.349	82.484	#
37) Toxaphene...	7.888f	8.834f	4037941	39929	2679.749	29.272	#
38) Toxaphene...	0.000	8.891	0	2030	N.D.	0.935	#
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41) Toxaphene...	8.755f	0.000	13478	0	4.443	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\2020-05\0E13040\
Data File : ECD3-05132005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 12:29
Operator : MJB
Sample : 0E13040-CCV2
Misc : A20C358, 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 14 11:15:55 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 12:46
 Operator : MJB
 Sample : 0E13040-CCB1
 Misc : A20D303
 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 14 11:15:59 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

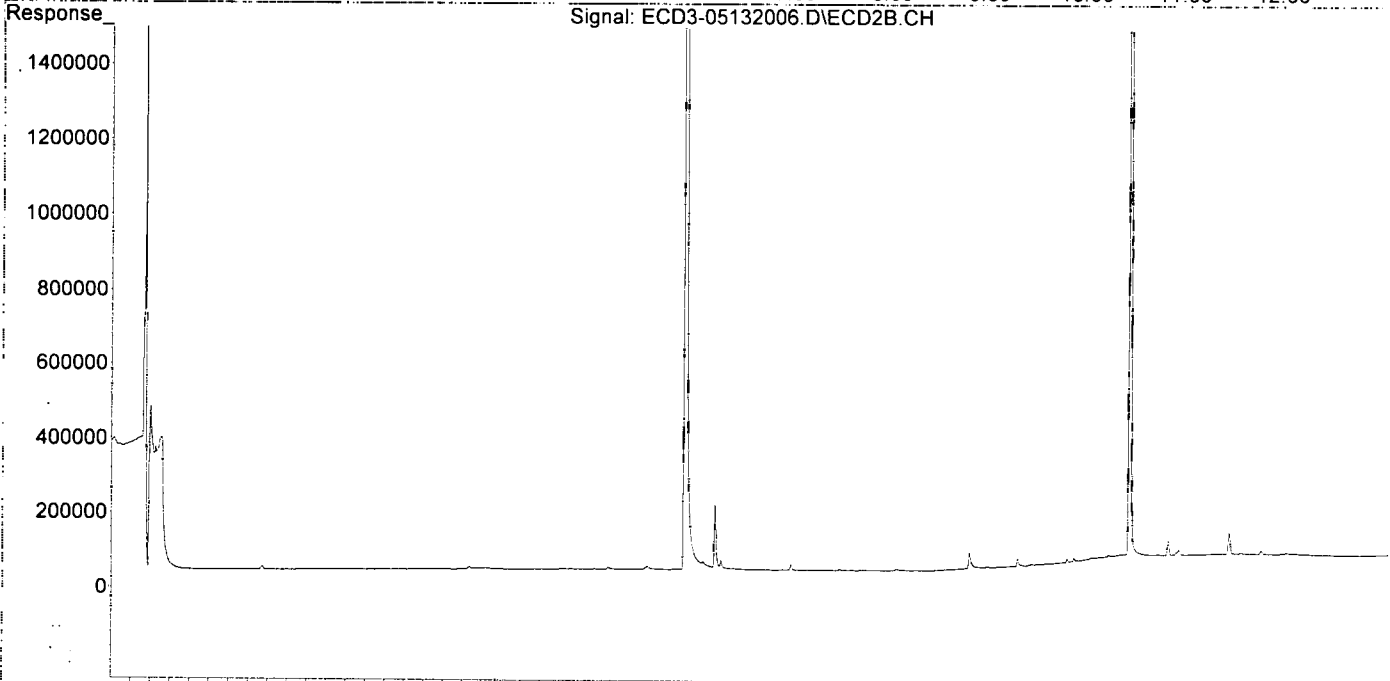
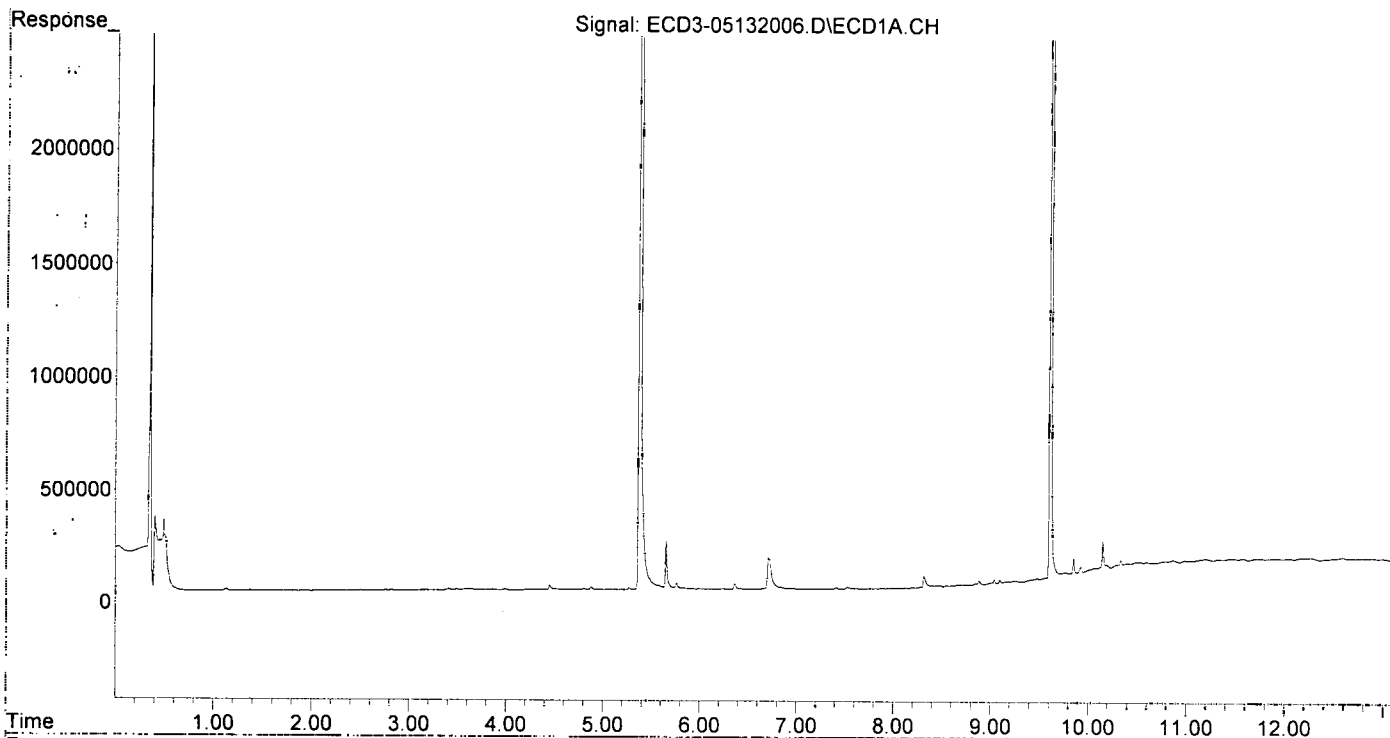
*MJB
5/14/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	12928389	9223812	87.291	84.713
22) S DCBP (S)	9.612	10.472	10931639	6768785	99.336	104.889
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...	7.411	8.084f	7231	3489	0.046	0.029
10) cis-Chlor...	7.527	0.000	5933	0	0.038	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	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	8.688	0	751	N.D.	0.008 #
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	0.000	8.927	0	1473	N.D.	0.098 #
18) Endrin Al...	8.390	0.000	4662	0	BelowCal	N.D.
19) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20) Methoxychlor	8.549	0.000	3305	0	0.119	N.D. #
21) Endrin Ke...	8.885	9.616	17465	777	0.121	0.008 #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.761	0.000	21059	0	BelowCal	N.D.
25) Oxychlorane	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...	7.527	8.084f	5933	3489	BelowCal	1953.532
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.
30) cis-Nonac...	0.000	8.688	0	751	N.D.	2549.553 #
31) Mirex	8.658	9.616	4070	777	7125.843	3567.517 #
32) Chlordane...	7.527	0.000	5933	0	0.336	N.D. #
33) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34) Chlordane...	0.000	8.927	0	1473	N.D.	BelowCal
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	8.835f	0	40596	N.D.	29.761 #
38) Toxaphene...	0.000	8.927f	0	1473	N.D.	0.679 #
39) Toxaphene...	0.000	8.927f	0	1473	N.D.	BelowCal
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	0.000	0.000	0	0	N.D.	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.

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 12:46
Operator : MJB
Sample : 0E13040-CCB1
Misc : A20D303
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 14 11:15:59 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:03
 Operator : MJB
 Sample : A0D0763-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 13:53:46 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 5/14/20

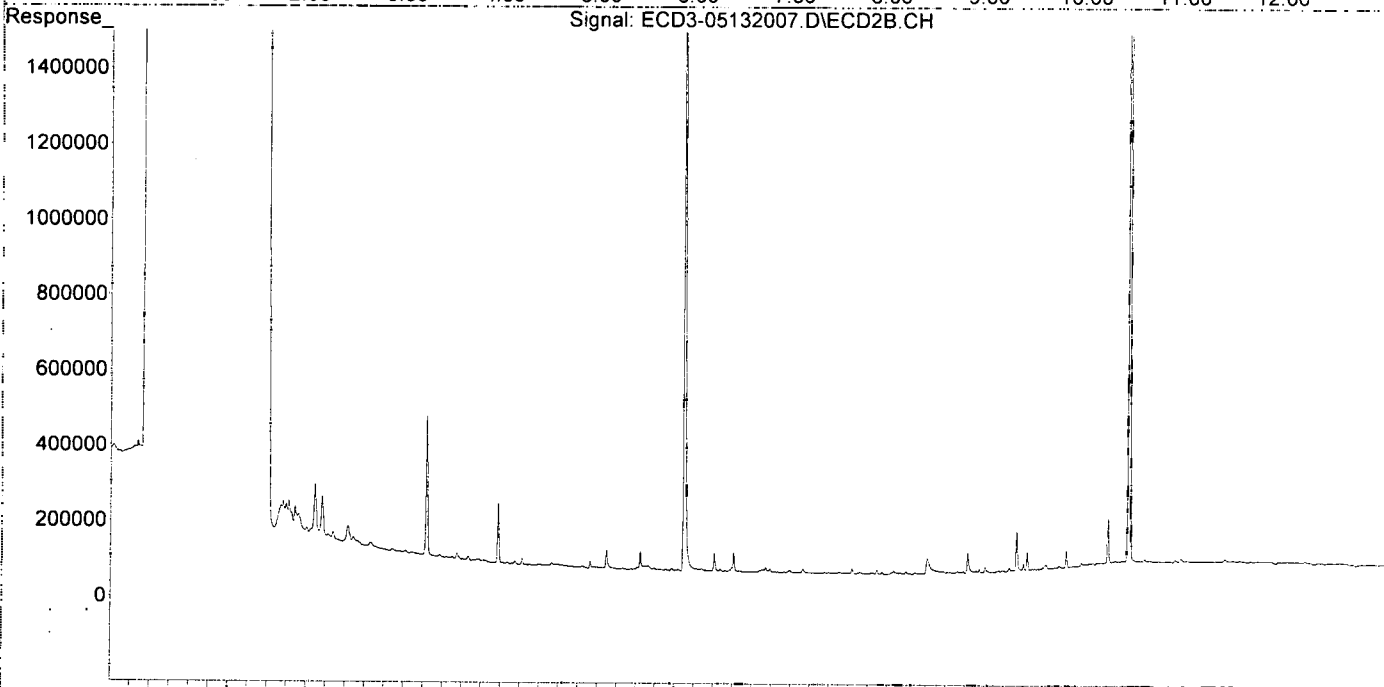
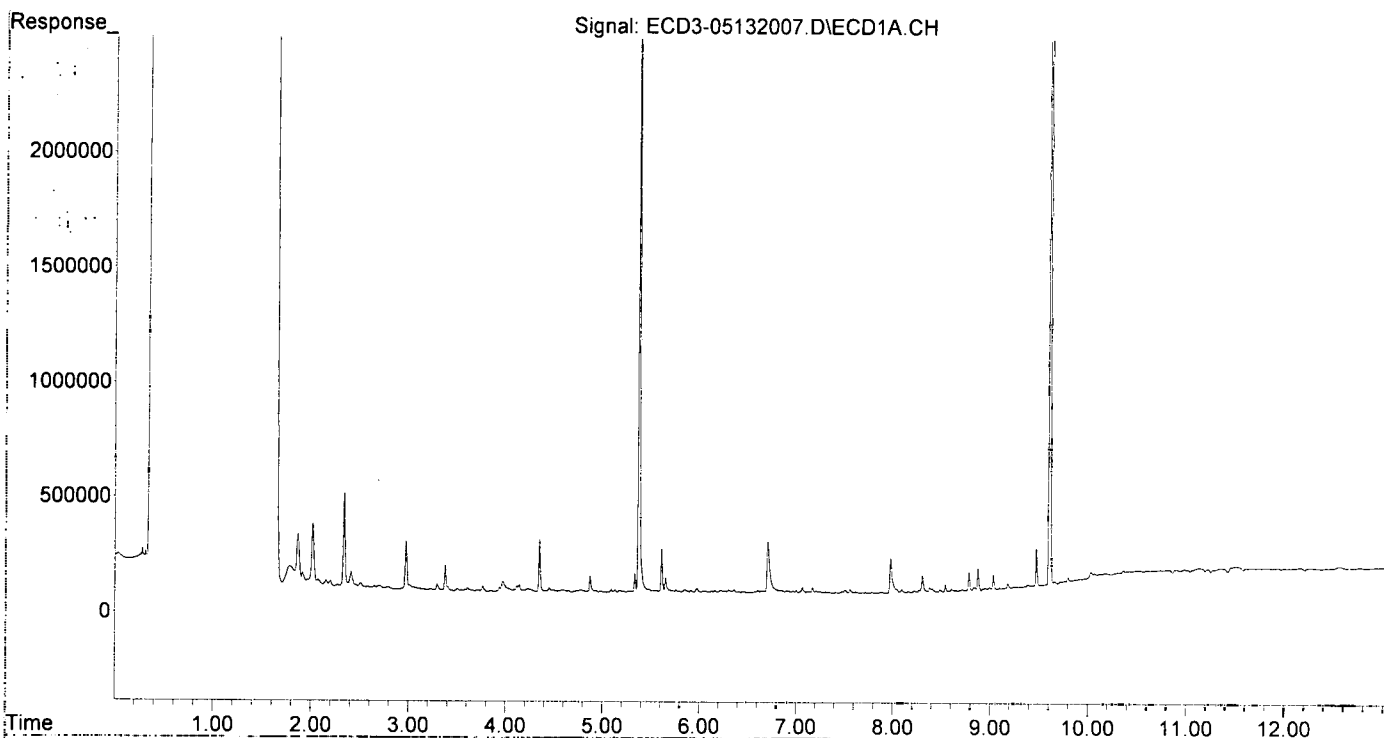
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375	5.892	3227770	2455359	21.793	21.685
22) S DCBP (S)	9.609	10.470	4776594	3107668	43.357	46.769
Target Compounds						
2) a-BHC	5.916	0.000	6878	0	0.034	N.D. #
3) g-BHC	6.224f	0.000	7008	0	0.041	N.D. #
4) b-BHC	6.303f	0.000	9656	0	0.142	N.D. #
5) Heptachlor	6.602	0.000	8420	0	0.051	N.D. #
6) d-BHC	0.000	7.123f	0	10019	N.D.	0.082 #
7) Aldrin	6.838	7.500f	8837	3232	0.053	0.024 #
8) Heptachlo...	0.000	7.889	0	10341	N.D.	0.088 #
9) trans-Chl...	0.000	8.039	0	2683	N.D.	0.022 #
10) cis-Chlor...	7.507	8.187f	12673	5876	0.081	0.051
11) Endosulfa...	0.000	8.187	0	5876	N.D.	0.055 #
12) 4,4'-DDE	7.560f	8.280	14239	3332	0.099	0.029 #
13) Dieldrin	0.000	8.408	0	38315	N.D.	0.320 #
14) Endrin	7.978f	0.000	149509	0	1.212	N.D. #
15) 4,4'-DDD	7.994	8.683	65744	1939	0.542m	0.021m#
16) Endosulfa...	8.094	0.000	15294	0	0.126	N.D. #
17) 4,4'-DDT	8.224	8.911	7383	4708	0.179	0.157
18) Endrin Al...	8.380f	9.002	18883	13661	BelowCal	3407.038
19) Endosulfa...	8.715	9.187f	8072	3339	0.067	0.040 #
20) Methoxychlor	8.543	9.394	29577	16807	0.759	0.696
21) Endrin Ke...	8.925f	9.624	9202	11046	0.064	0.115 #
23) Hexachlor...	0.000	3.546	0	15414	N.D.	837.984 #
24) Hexachlor...	5.761	6.362	6003	4962	BelowCal	2197.583
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.507	0.000	12673	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.408	0	38315	N.D.	0.285 #
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	7.978	8.716f	149509	2770	0.766	2549.536 #
31) Mirex	8.652	9.590	4987	4506	7125.834	3567.462 #
32) Chlordane...	7.560f	8.187f	14239	5876	0.807	0.406 #
33) Chlordane...	0.000	8.280	0	3332	N.D.	0.270 #
34) Chlordane...	8.162f	8.942	6667	8440	1.253	BelowCal #
35) Chlordane...	3.761f	3.776	20061	4442	NoCal	NoCal
36) Toxaphene...	0.000	8.518	0	2330	N.D.	2.081 #
37) Toxaphene...	0.000	8.825f	0	52700	N.D.	38.635 #
38) Toxaphene...	8.224	8.911	7383	4708	2.374	2.169
39) Toxaphene...	8.487	8.942	8278	8440	BelowCal	BelowCal
40) Toxaphene...	8.715	9.140	8072	3023	3.427	BelowCal #
41) Toxaphene...	8.786	0.000	80665	0	26.592	N.D. #
42) Toxaphene...	0.000	3.776	0	4442	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\2020-05\0E13040\
Data File : ECD3-05132007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:03
Operator : MJB
Sample : A0D0763-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

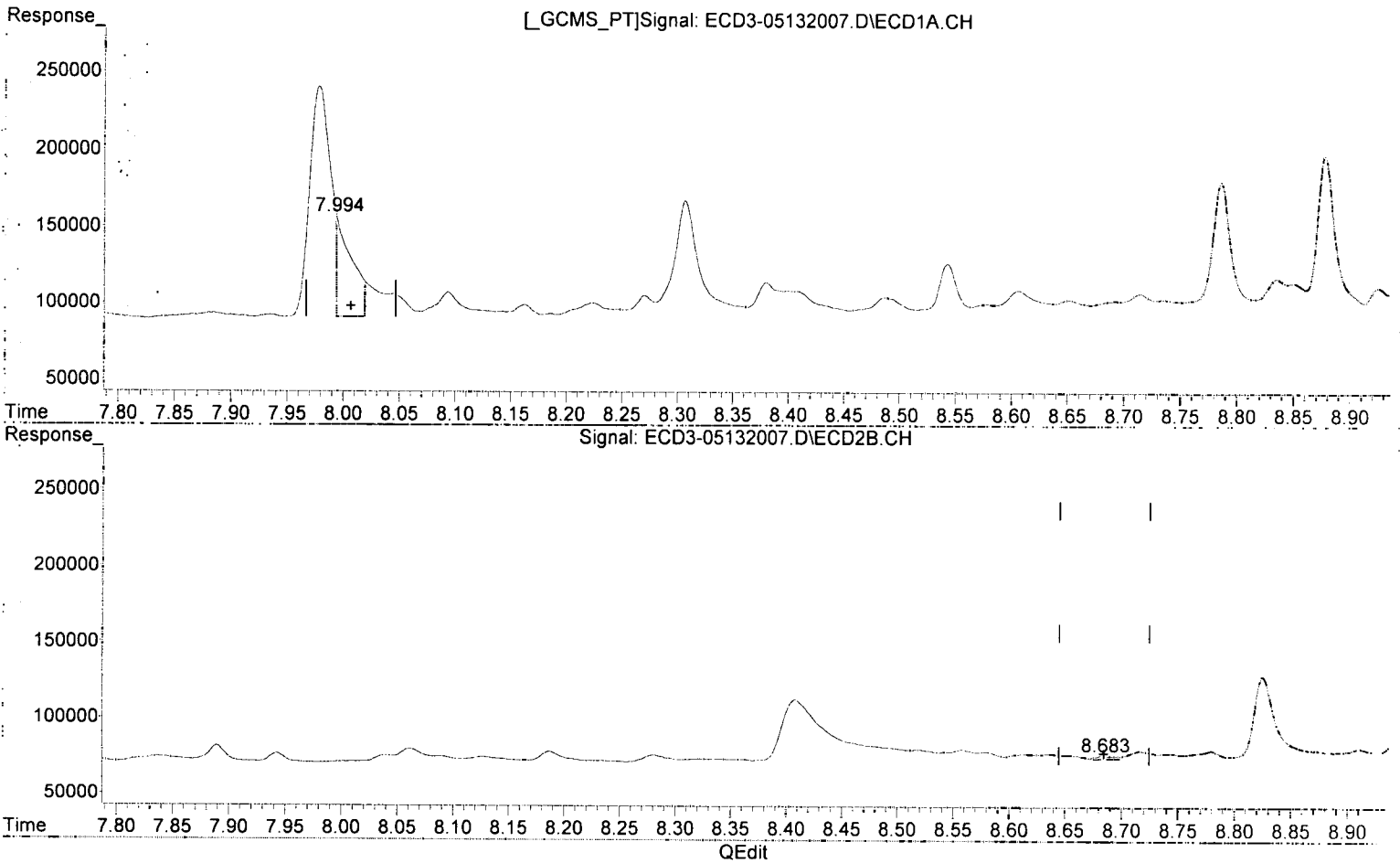
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 13:53:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:03
Operator : MJB
Sample : A0D0763-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:03 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.994min 0.542 ng/mL(m)
response 65744

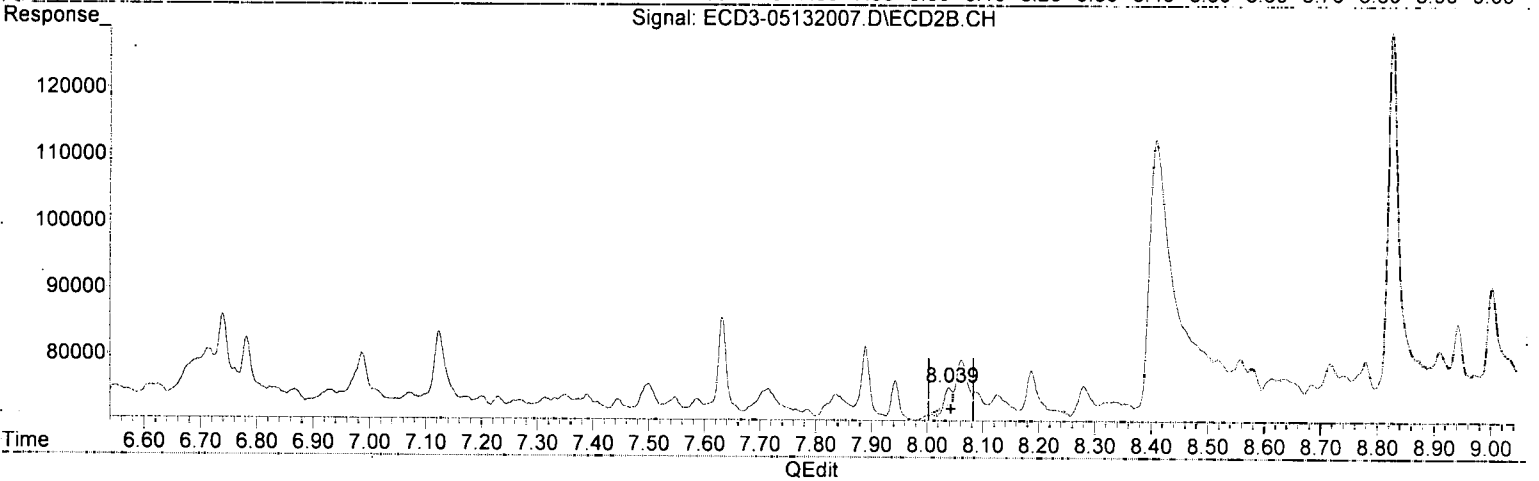
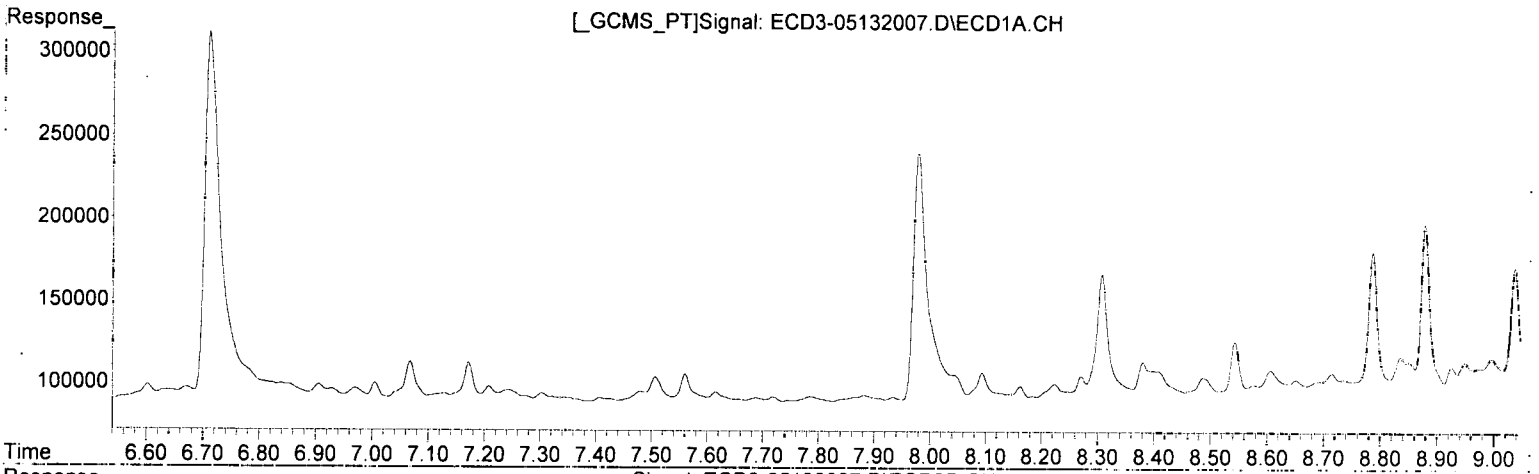
MJB
5/14/20

(15) 4,4'-DDD #2
8.683min 0.021 ng/mL(m)
response 1939

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:03
Operator : MJB
Sample : A0D0763-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:03 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

MJB
5/14/20

(26) 2,4'-DDE #2
8.039min 2144.948 ng/mL *Q. 261*
response 2683

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:03
 Operator : MJB
 Sample : A0D0763-04RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:03 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

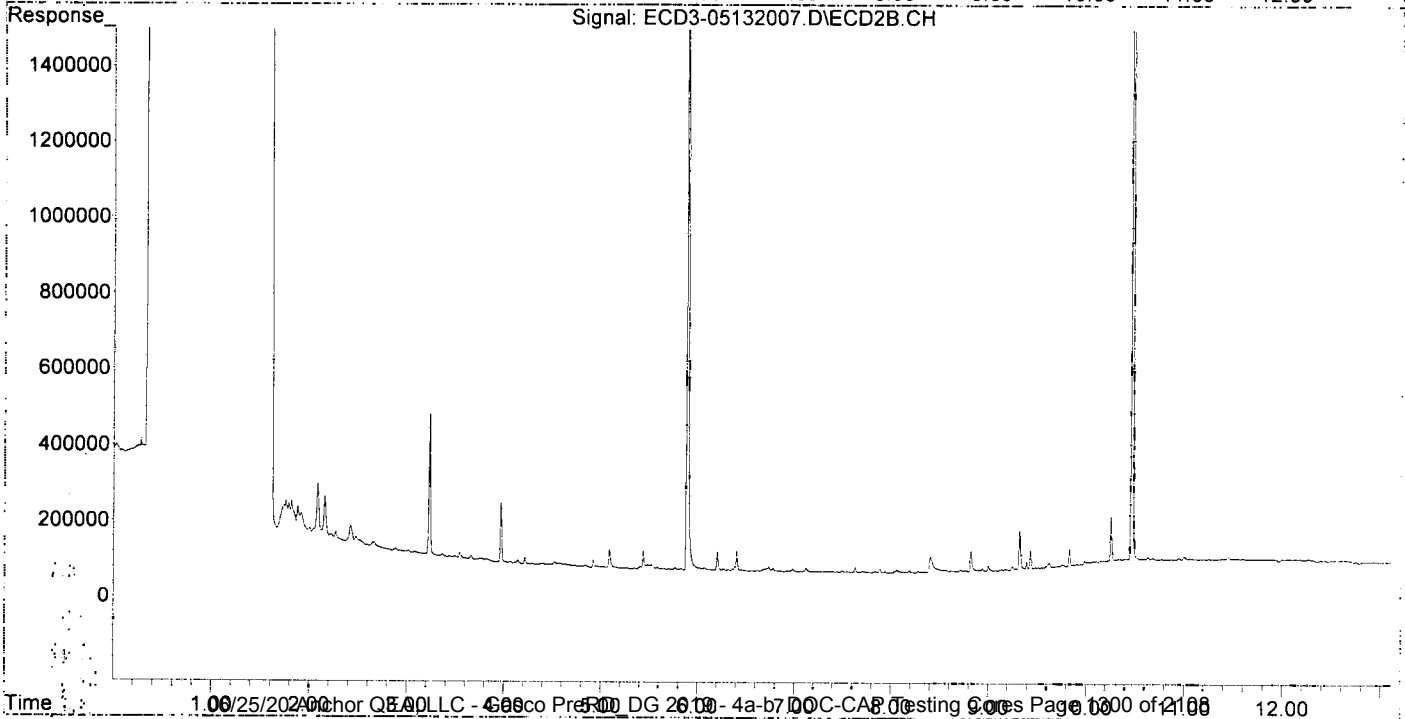
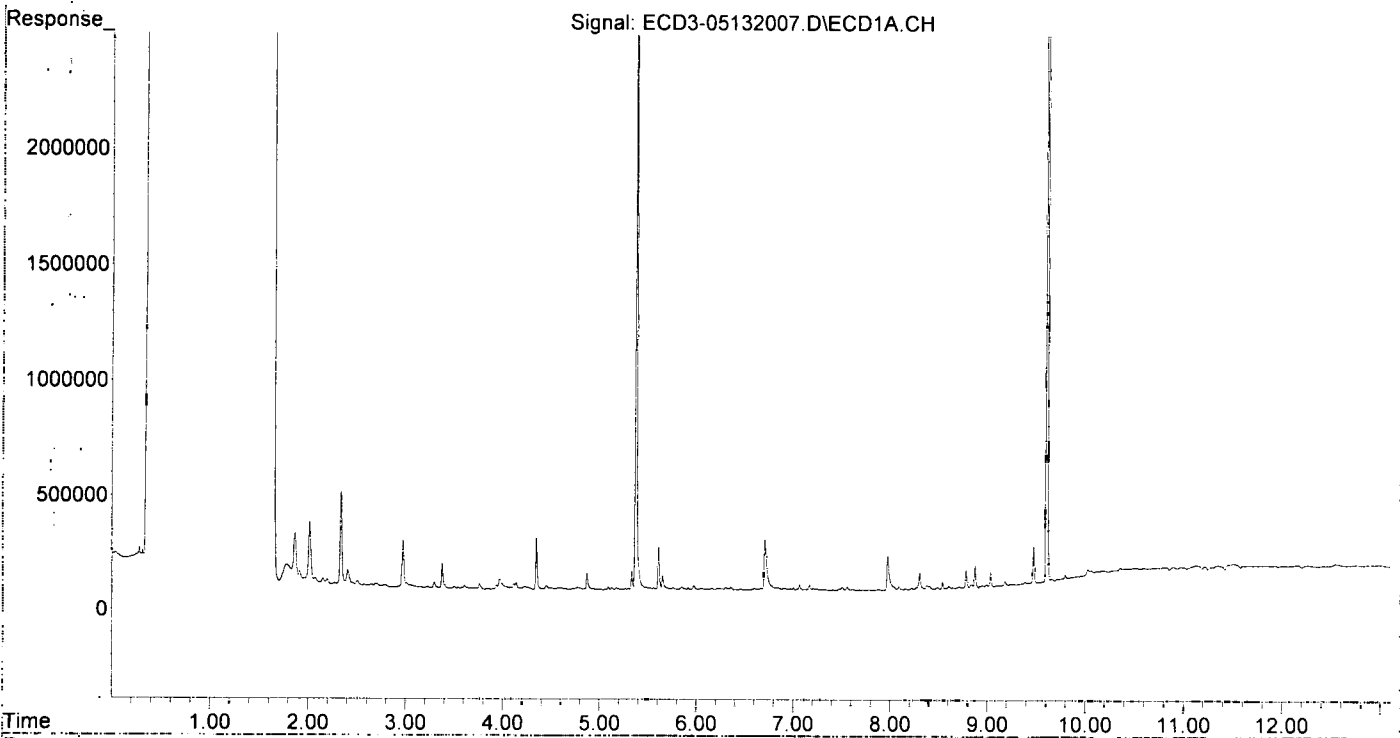
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375	5.892	3227770	2455359	21.793	21.685
22) S DCBP (S)	9.609	10.470	4776594	3107668	43.357	46.769
Target Compounds						
2) a-BHC	5.916	0.000	6878	0	0.034	N.D. #
3) g-BHC	6.224f	0.000	7008	0	0.041	N.D. #
4) b-BHC	6.303f	0.000	9656	0	0.142	N.D. #
5) Heptachlor	6.602	0.000	8420	0	0.051	N.D. #
6) d-BHC	0.000	7.123f	0	10019	N.D.	0.082 #
7) Aldrin	6.838	7.500f	8837	3232	0.053	0.024 #
8) Heptachlo...	0.000	7.889	0	10341	N.D.	0.088 #
9) trans-Chl...	0.000	8.039	0	2683	N.D.	0.022 #
10) cis-Chlor...	7.507	8.187f	12673	5876	0.081	0.051 #
11) Endosulfa...	0.000	8.187	0	5876	N.D.	0.055 #
12) 4,4'-DDE	7.560f	8.280	14239	3332	0.099	0.029 #
13) Dieldrin	0.000	8.408	0	38315	N.D.	0.320 #
14) Endrin	7.978f	0.000	149509	0	1.212	N.D. #
15) 4,4'-DDD	7.978f	8.716f	149509	2770	1.231	0.029 #
16) Endosulfa...	8.094	0.000	15294	0	0.126	N.D. #
17) 4,4'-DDT	8.224	8.911	7383	4708	0.179	0.157 #
18) Endrin Al...	8.380f	9.002	18883	13661	BelowCal	3407.038 #
19) Endosulfa...	8.715	9.187f	8072	3339	0.067	0.040 #
20) Methoxychlor	8.543	9.394	29577	16807	0.759	0.696 #
21) Endrin Ke...	8.925f	9.624	9202	11046	0.064	0.115 #
23) Hexachlor...	0.000	3.546	0	15414	N.D.	837.984 #
24) Hexachlor...	5.761	6.362	6003	4962	BelowCal	2197.583 #
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D. #
26) 2,4'-DDE	0.000	8.039	0	2683	N.D.	2144.948 #
27) trans-Non...	7.507	0.000	12673	0	BelowCal	N.D. #
28) 2,4'-DDD	0.000	8.408	0	38315	N.D.	0.285 #
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D. #
30) cis-Nonac...	7.978	8.716f	149509	2770	0.766	2549.536 #
31) Mirex	8.652	9.590	4987	4506	7125.834	3567.462 #
32) Chlordane...	7.560f	8.187f	14239	5876	0.807	0.406 #
33) Chlordane...	0.000	8.280	0	3332	N.D.	0.270 #
34) Chlordane...	8.162f	8.942	6667	8440	1.253	BelowCal #
35) Chlordane...	3.761f	3.776	20061	4442	NoCal	NoCal #
36) Toxaphene...	0.000	8.518	0	2330	N.D.	2.081 #
37) Toxaphene...	0.000	8.825f	0	52700	N.D.	38.635 #
38) Toxaphene...	8.224	8.911	7383	4708	2.374	2.169 #
39) Toxaphene...	8.487	8.942	8278	8440	BelowCal	BelowCal #
40) Toxaphene...	8.715	9.140	8072	3023	3.427	BelowCal #
41) Toxaphene...	8.786	0.000	80665	0	26.592	N.D. #
42) Toxaphene...	0.000	3.776	0	4442	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\2020-05\0E13040\
Data File : ECD3-05132007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:03
Operator : MJB
Sample : A0D0763-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:03 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:20
 Operator : MJB
 Sample : A0D0763-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 13:56:48 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 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)	5.375	5.893	4023823	3097904	27.168	27.482
22) S DCBP (S)	9.609	10.471	5073653	3155551	46.063	47.509
Target Compounds						
2) a-BHC	5.916	0.000	7983	0	0.039	N.D. #
3) g-BHC	6.223	0.000	9933	0	0.058	N.D. #
4) b-BHC	6.299	0.000	12094	0	0.177	N.D. #
5) Heptachlor	6.601	0.000	9215	0	0.056	N.D. #
6) d-BHC	0.000	7.122f	0	9980	N.D.	0.082 #
7) Aldrin	6.831f	0.000	11503	0	0.069	N.D. #
8) Heptachlo...	0.000	7.890	0	6543	N.D.	0.056 #
9) trans-Chl...	0.000	8.039	0	5922	N.D.	0.049 #
10) cis-Chlor...	7.506	8.186f	14248	9563	0.091	0.083 #
11) Endosulfa...	0.000	8.186	0	9563	N.D.	0.089 #
12) 4,4'-DDE	7.560f	8.285	19409	4828	0.135	0.042 #
13) Dieldrin	0.000	8.403	0	143218	N.D.	1.196 #
14) Endrin	7.976f	0.000	435725	0	3.532	N.D. #
15) 4,4'-DDD	7.996	8.699	135378	8019	1.115m	0.085m#
16) Endosulfa...	8.093	8.778	26098	11108	0.216	0.121 #
17) 4,4'-DDT	8.223	8.911	12116	5255	0.234	0.167 #
18) Endrin Al...	8.398	9.002f	28997	12721	0.057	3407.050 #
19) Endosulfa...	8.714	9.177f	5010	4172	0.042	0.050 #
20) Methoxychlor	8.544	9.394	7856	3904	0.230	0.196 #
21) Endrin Ke...	8.926f	9.624	10646	11715	0.074	0.122 #
23) Hexachlor...	0.000	3.546	0	25639	N.D.	837.922 #
24) Hexachlor...	5.761	6.362	9542	5178	BelowCal	2197.581 #
25) Oxychlordane	7.238	0.000	6065	0	BelowCal	N.D. #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.506	0.000	14248	0	BelowCal	N.D. #
28) 2,4'-DDD	0.000	8.403	0	143218	N.D.	1.861 #
29) 2,4'-DDT	7.882	0.000	4705	0	0.062	N.D. #
30) cis-Nonac...	7.976	8.716f	435725	13524	2.636	2549.443 #
31) Mirex	8.651	9.591	4117	6196	7125.842	3567.437 #
32) Chlordane...	7.560f	8.186f	19409	9563	1.100	0.661 #
33) Chlordane...	0.000	8.285f	0	4828	N.D.	0.391 #
34) Chlordane...	8.162f	8.943	9785	11147	1.839	BelowCal #
35) Chlordane...	3.761f	3.776	21530	6559	NoCal	NoCal #
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D. #
37) Toxaphene...	0.000	8.825f	0	55459	N.D.	40.657 #
38) Toxaphene...	8.223	8.911	12116	5255	3.896	2.421 #
39) Toxaphene...	8.486	8.943	14825	11147	BelowCal	BelowCal #
40) Toxaphene...	8.714	9.141	5010	7539	2.127	0.899 #
41) Toxaphene...	8.786	9.512	95523	1938	31.490	0.958 #
42) Toxaphene...	0.000	3.776	0	6559	N.D.	NoCal #

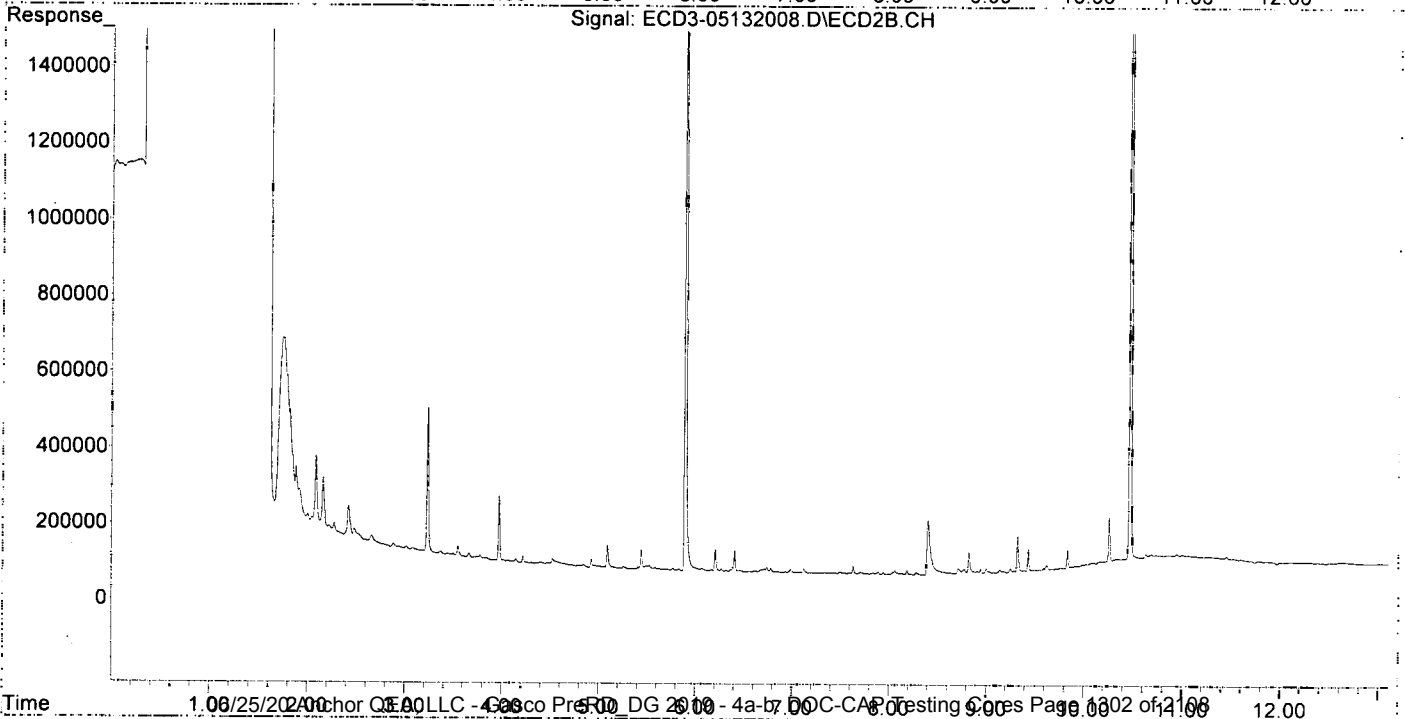
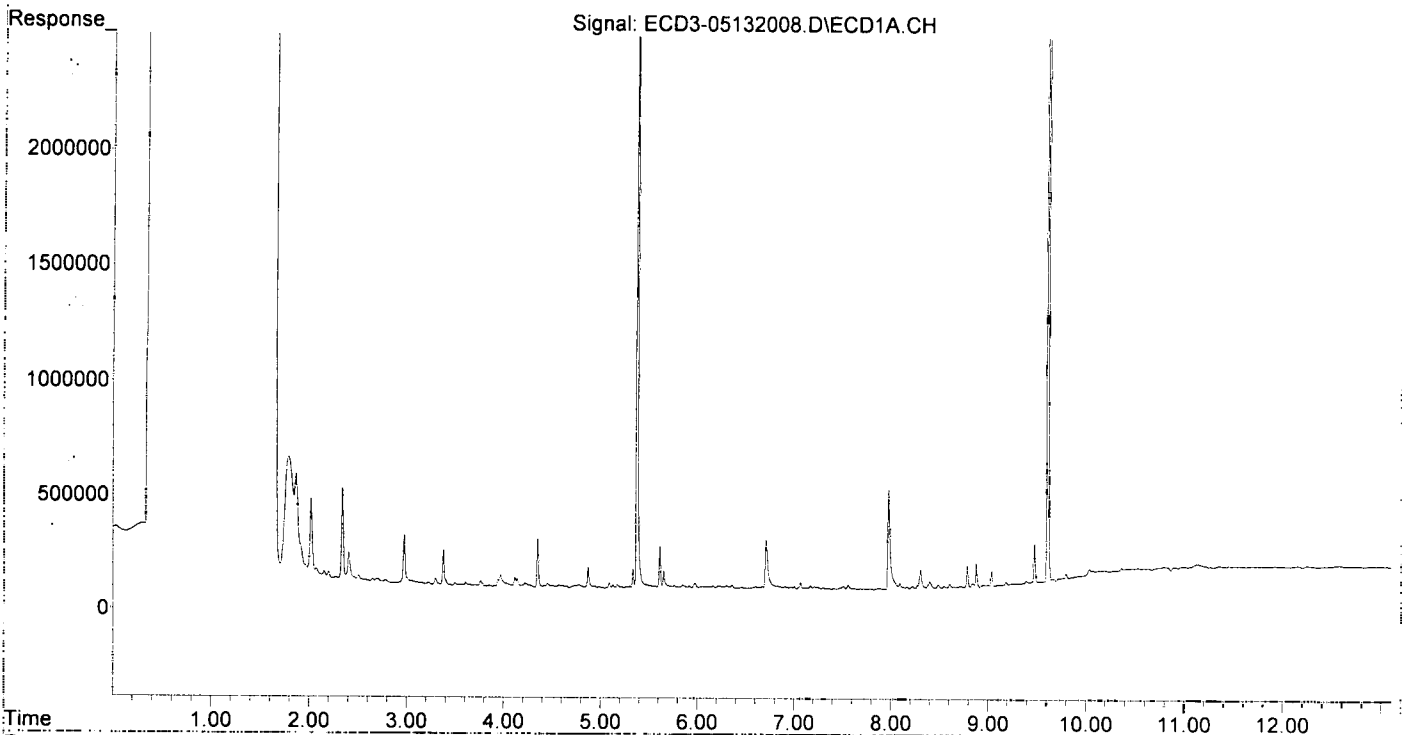
MJB
5/14/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:20
Operator : MJB
Sample : A0D0763-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

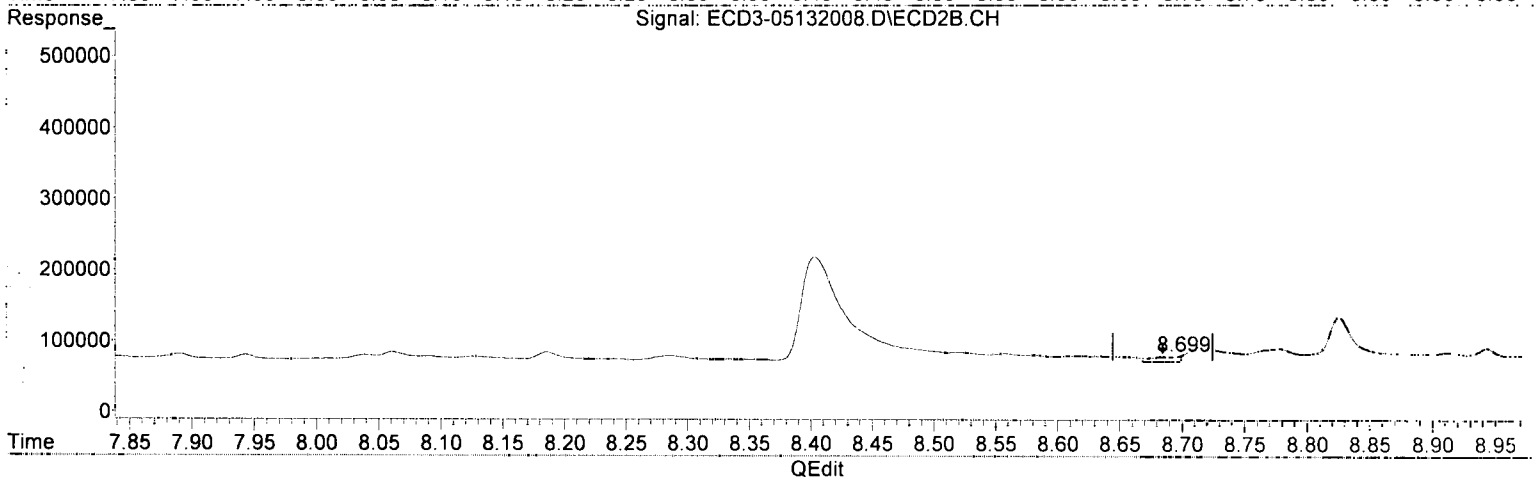
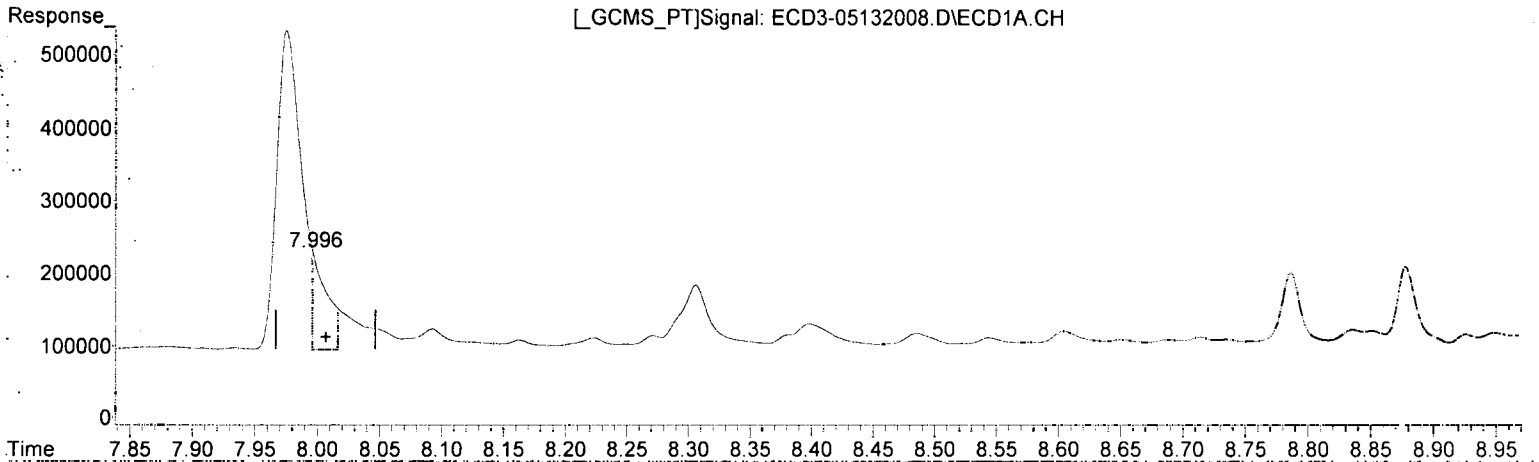
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 13:56:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:20
Operator : MJB
Sample : A0D0763-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.996min 1.115 ng/mL(m)
response 135378

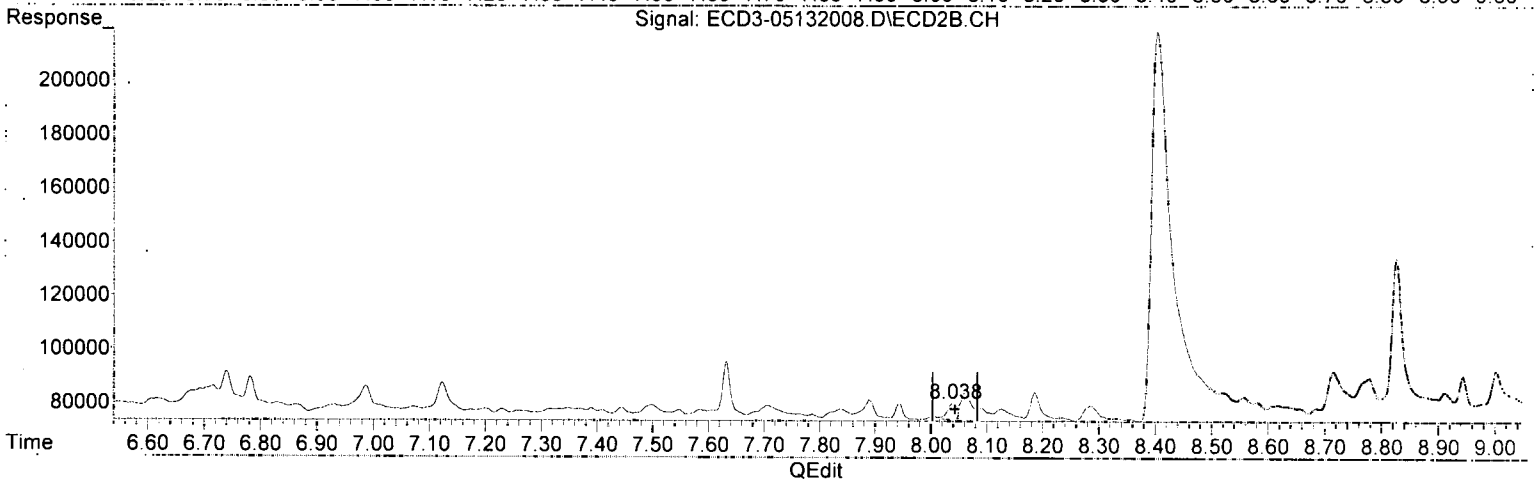
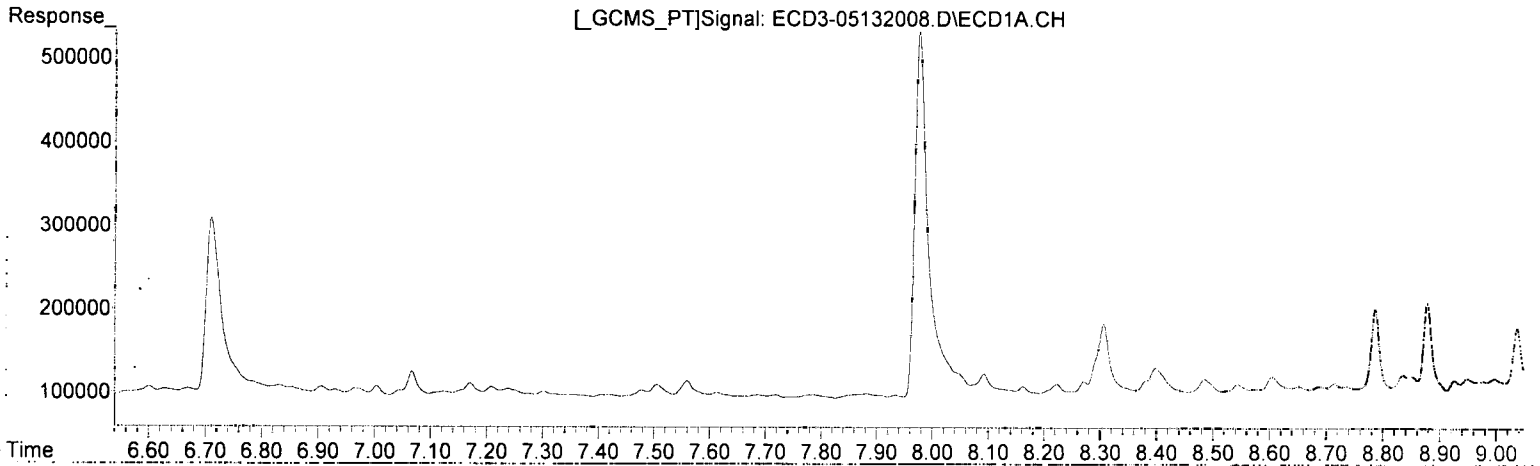
MJB
5/14/20

(15) 4,4'-DDD #2
8.699min 0.085 ng/mL(m)
response 8019

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:20
Operator : MJB
Sample : A0D0763-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

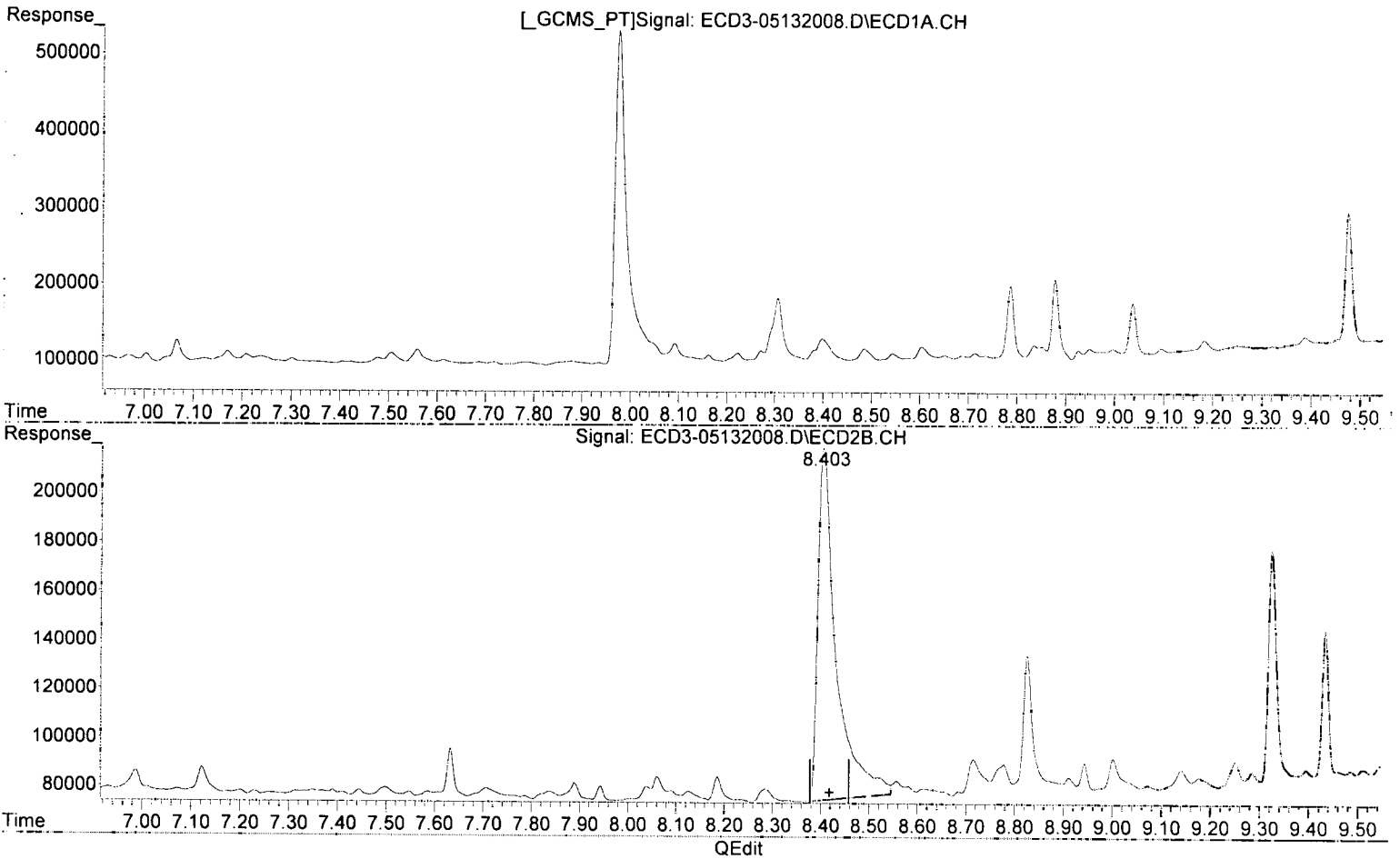
WB 6/14/20

(26) 2,4'-DDE #2
8.039min 2144.906 ng/mL *Q.001*
response ~~5922~~

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:20
Operator : MJB
Sample : A0D0763-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

MJB
5/14/20

(28) 2,4'-DDD #2
8.403min 1.861 ng/mL (+)
response 143218

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:20
 Operator : MJB
 Sample : A0D0763-05RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:07 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

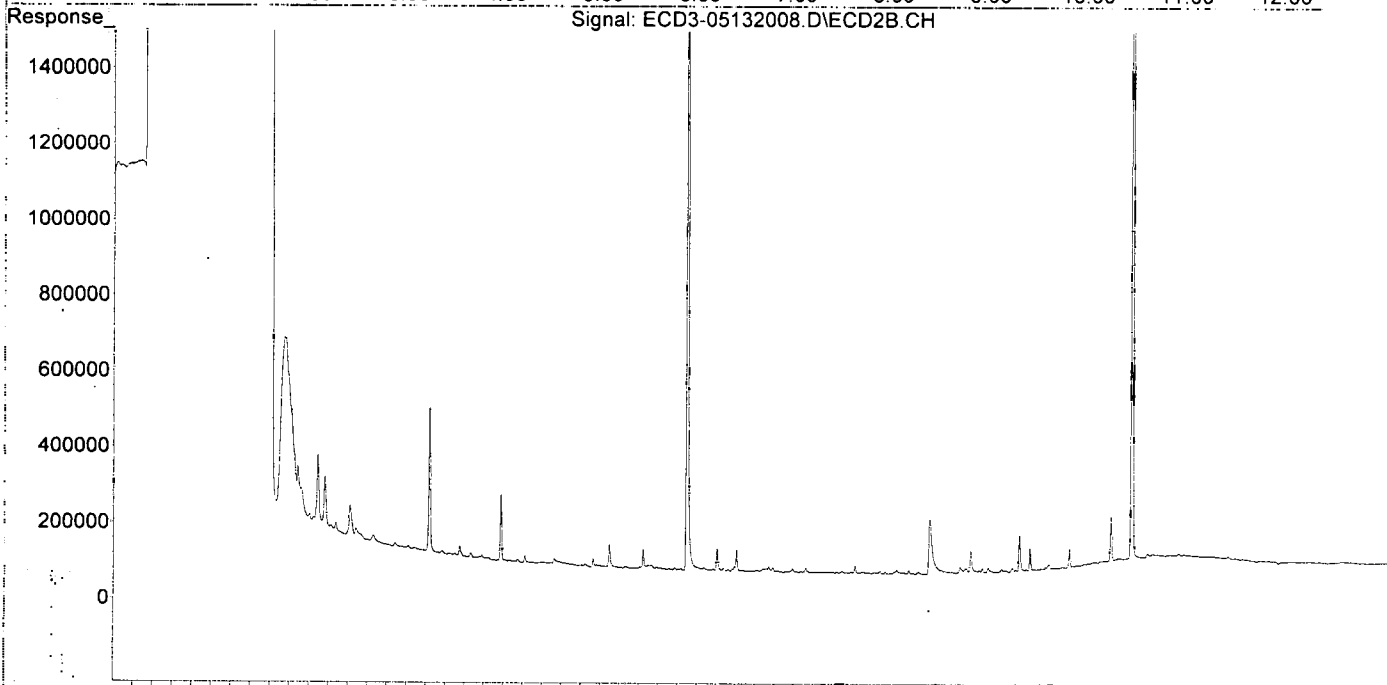
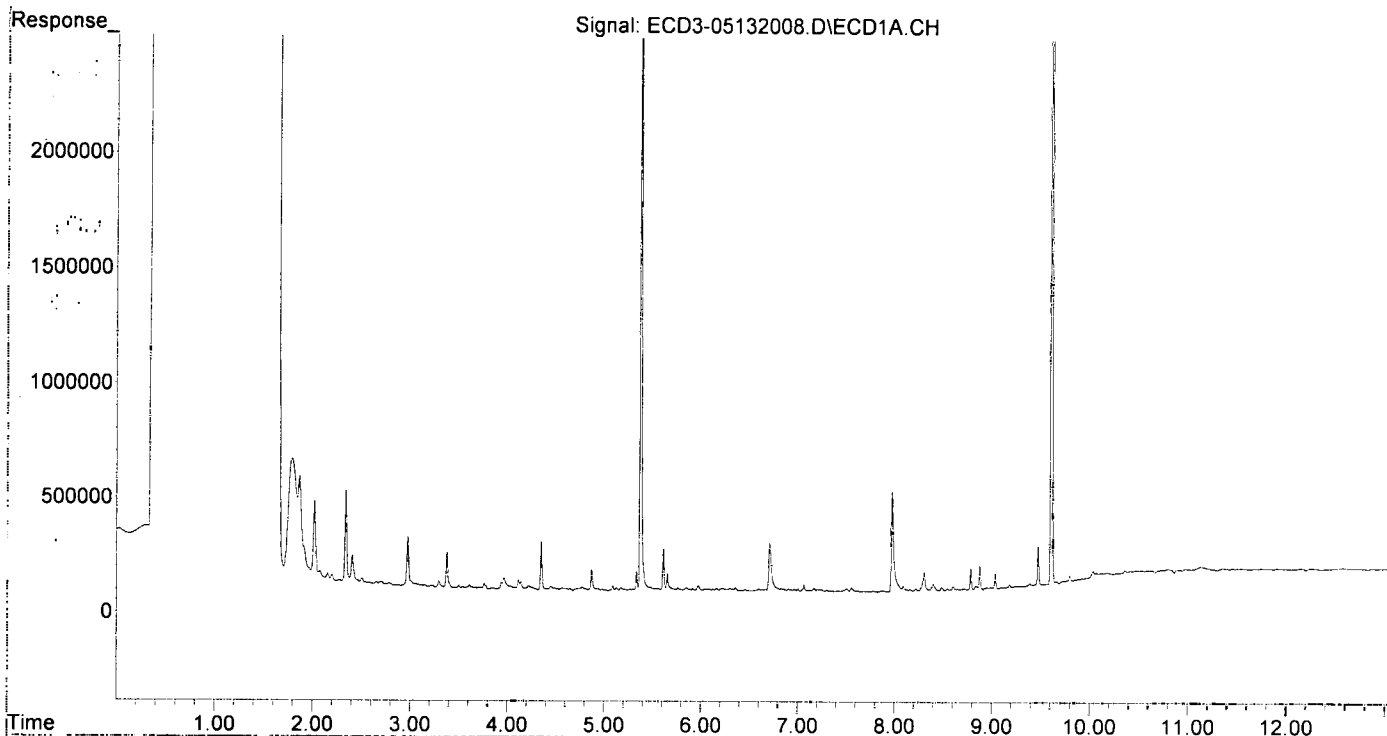
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375	5.893	4023823	3097904	27.168	27.482
22) S DCBP (S)	9.609	10.471	5073653	3155551	46.063	47.509
Target Compounds						
2) a-BHC	5.916	0.000	7983	0	0.039	N.D. #
3) g-BHC	6.223	0.000	9933	0	0.058	N.D. #
4) b-BHC	6.299	0.000	12094	0	0.177	N.D. #
5) Heptachlor	6.601	0.000	9215	0	0.056	N.D. #
6) d-BHC	0.000	7.122f	0	9980	N.D.	0.082 #
7) Aldrin	6.831f	0.000	11503	0	0.069	N.D. #
8) Heptachlo...	0.000	7.890	0	6543	N.D.	0.056 #
9) trans-Chl...	0.000	8.039	0	5922	N.D.	0.049 #
10) cis-Chlor...	7.506	8.186f	14248	9563	0.091	0.083
11) Endosulfa...	0.000	8.186	0	9563	N.D.	0.089 #
12) 4,4'-DDE	7.560f	8.285	19409	4828	0.135	0.042 #
13) Dieldrin	0.000	8.403	0	143218	N.D.	1.196 #
14) Endrin	7.976f	0.000	435725	0	3.532	N.D. #
15) 4,4'-DDD	7.976f	8.716f	435725	13524	3.589	0.143 #
16) Endosulfa...	8.093	8.778	26098	11108	0.216	0.121 #
17) 4,4'-DDT	8.223	8.911	12116	5255	0.234	0.167
18) Endrin Al...	8.398	9.002f	28997	12721	0.057	3407.050 #
19) Endosulfa...	8.714	9.177f	5010	4172	0.042	0.050
20) Methoxychlor	8.544	9.394	7856	3904	0.230	0.196
21) Endrin Ke...	8.926f	9.624	10646	11715	0.074	0.122 #
23) Hexachlor...	0.000	3.546	0	25639	N.D.	837.922 #
24) Hexachlor...	5.761	6.362	9542	5178	BelowCal	2197.581
25) Oxychlordane	7.238	0.000	6065	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.039	0	5922	N.D.	2144.906 #
27) trans-Non...	7.506	0.000	14248	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.403	0	143218	N.D.	1.861 #
29) 2,4'-DDT	7.882	0.000	4705	0	0.062	N.D. #
30) cis-Nonac...	7.976	8.716f	435725	13524	2.636	2549.443 #
31) Mirex	8.651	9.591	4117	6196	7125.842	3567.437 #
32) Chlordane...	7.560f	8.186f	19409	9563	1.100	0.661
33) Chlordane...	0.000	8.285f	0	4828	N.D.	0.391 #
34) Chlordane...	8.162f	8.943	9785	11147	1.839	BelowCal #
35) Chlordane...	3.761f	3.776	21530	6559	NoCal	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.825f	0	55459	N.D.	40.657 #
38) Toxaphene...	8.223	8.911	12116	5255	3.896	2.421
39) Toxaphene...	8.486	8.943	14825	11147	BelowCal	BelowCal
40) Toxaphene...	8.714	9.141	5010	7539	2.127	0.899 #
41) Toxaphene...	8.786	9.512	95523	1938	31.490	0.958 #
42) Toxaphene...	0.000	3.776	0	6559	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\2020-05\0E13040\
Data File : ECD3-05132008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:20
Operator : MJB
Sample : A0D0763-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:37
 Operator : MJB
 Sample : A0D0763-06RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 14:00:20 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

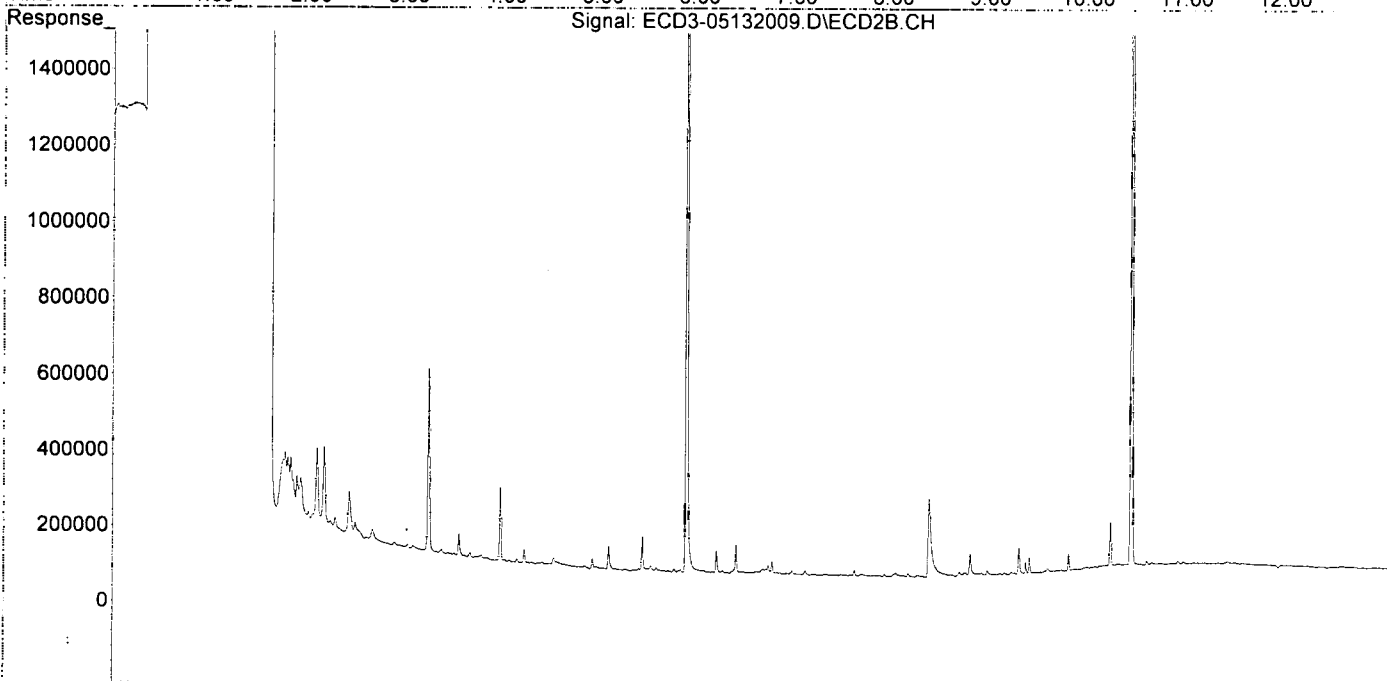
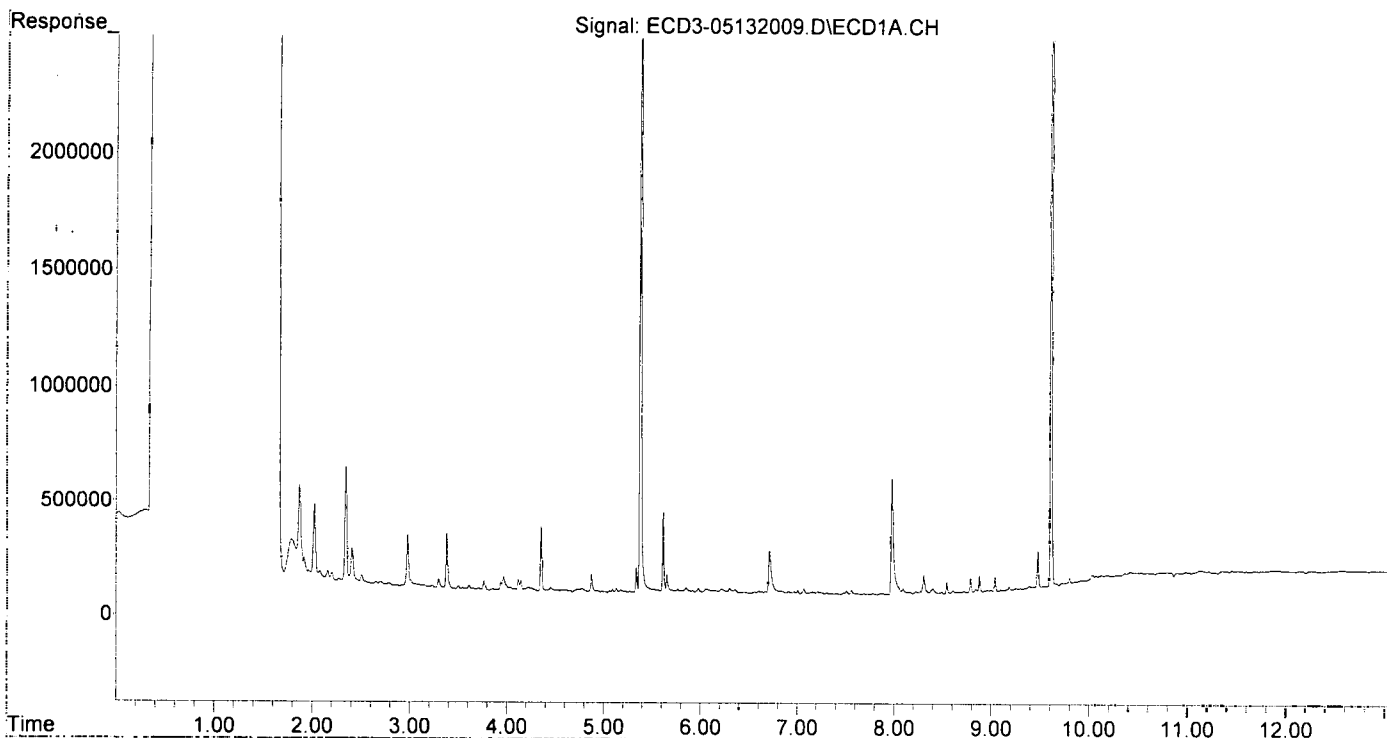
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.892	3901029	3082593	26.339	27.343
22) S DCBP (S)	9.608	10.470	4626889	3053351	41.993	45.930
Target Compounds						
2) a-BHC	5.916	0.000	10864	0	0.054	N.D. #
3) g-BHC	6.223	6.782f	15947	29695	0.092	0.220 #
4) b-BHC	6.299	0.000	21705	0	0.318	N.D. #
5) Heptachlor	6.602	0.000	10840	0	0.066	N.D. #
6) d-BHC	0.000	7.123f	0	9082	N.D.	0.074 #
7) Aldrin	6.819f	0.000	11803	0	0.070	N.D. #
8) Heptachlo...	0.000	7.943f	0	5430	N.D.	0.046 #
9) trans-Chl...	0.000	8.038	0	4809	N.D.	0.040 #
10) cis-Chlor...	7.506	8.186f	14009	8032	0.089	0.069
11) Endosulfa...	0.000	8.186	0	8032	N.D.	0.075 #
12) 4,4'-DDE	7.560f	8.281	15918	3878	0.110	0.034 #
13) Dieldrin	0.000	8.400	0	204581	N.D.	1.709 #
14) Endrin	7.976f	8.612f	507182	5331	4.111	0.062 #
15) 4,4'-DDD	7.997	8.715f	139446	11009	1.149m	0.117 #
16) Endosulfa...	8.093	8.767	23814	9321	0.197	0.102 #
17) 4,4'-DDT	8.224	8.909	12142	6075	0.234	0.182
18) Endrin Al...	8.397	9.001f	22843	12449	BelowCal	3407.053
19) Endosulfa...	8.716	9.249f	4810	6354	0.040	0.075 #
20) Methoxychlor	8.543	9.394	48825	28396	1.227	1.144
21) Endrin Ke...	8.925f	9.621	5879	8094	0.041	0.085 #
23) Hexachlor...	0.000	3.547	0	58101	N.D.	0.147 #
24) Hexachlor...	5.761	6.362	14916	4676	BelowCal	2197.586
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. d
27) trans-Non...	7.506	0.000	14009	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.400	0	204581	N.D.	2.784 #
29) 2,4'-DDT	7.885	8.612f	4725	5331	0.063m	0.099 #
30) cis-Nonac...	7.976	8.715f	507182	11009	3.103	2549.465 #
31) Mirex	8.652	9.591	3248	3848	7125.851	3567.472 #
32) Chlordane...	7.560f	8.186f	15918	8032	0.902	0.555
33) Chlordane...	0.000	8.281	0	3878	N.D.	0.314 #
34) Chlordane...	8.163f	8.943	9630	8456	1.810	BelowCal #
35) Chlordane...	3.762f	3.776	39582	7433	NoCal	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.825f	0	57686	N.D.	42.290 #
38) Toxaphene...	8.224	8.909	12142	6075	3.904	2.799
39) Toxaphene...	8.492	8.943	7111	8456	BelowCal	BelowCal
40) Toxaphene...	8.716	9.129	4810	3776	2.043	BelowCal #
41) Toxaphene...	8.786	9.545f	60435	1692	19.923	0.836 #
42) Toxaphene...	0.000	3.776	0	7433	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\2020-05\0E13040\
Data File : ECD3-05132009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:37
Operator : MJB
Sample : A0D0763-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

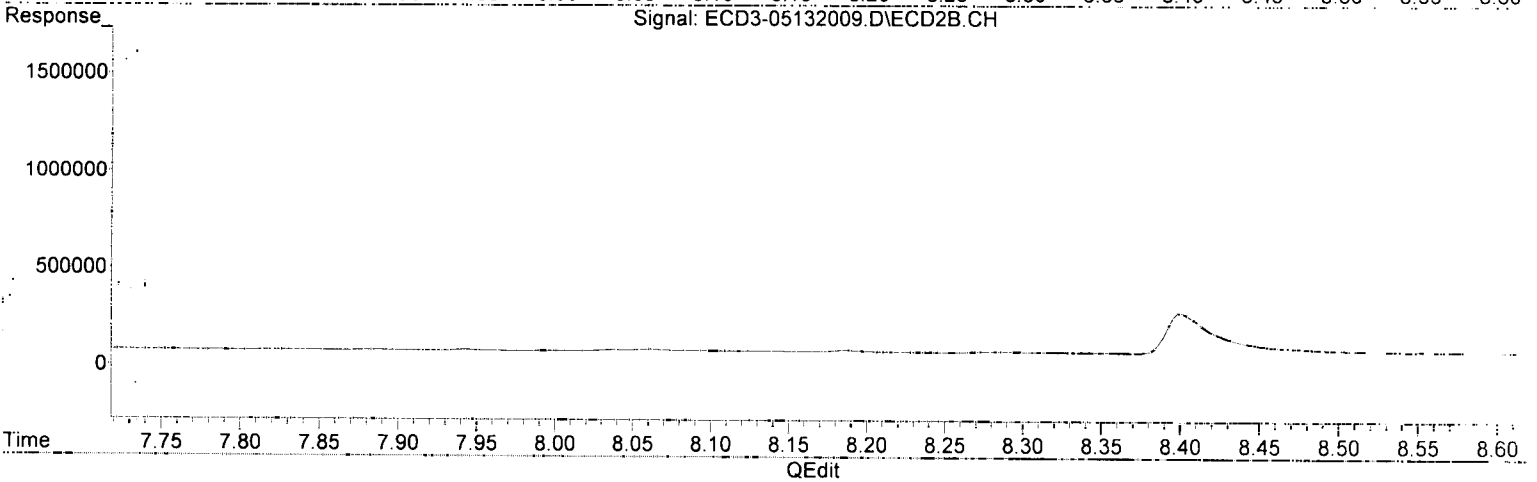
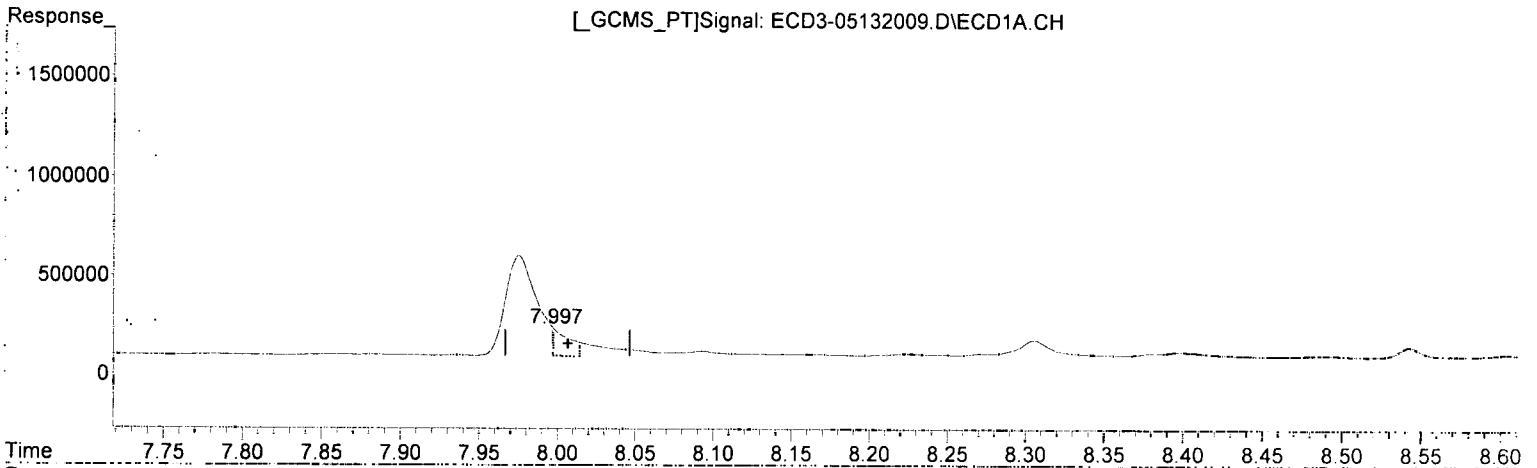
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:00:20 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:37
Operator : MJB
Sample : A0D0763-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.997min 1.149 ng/mL(m)
response 139446

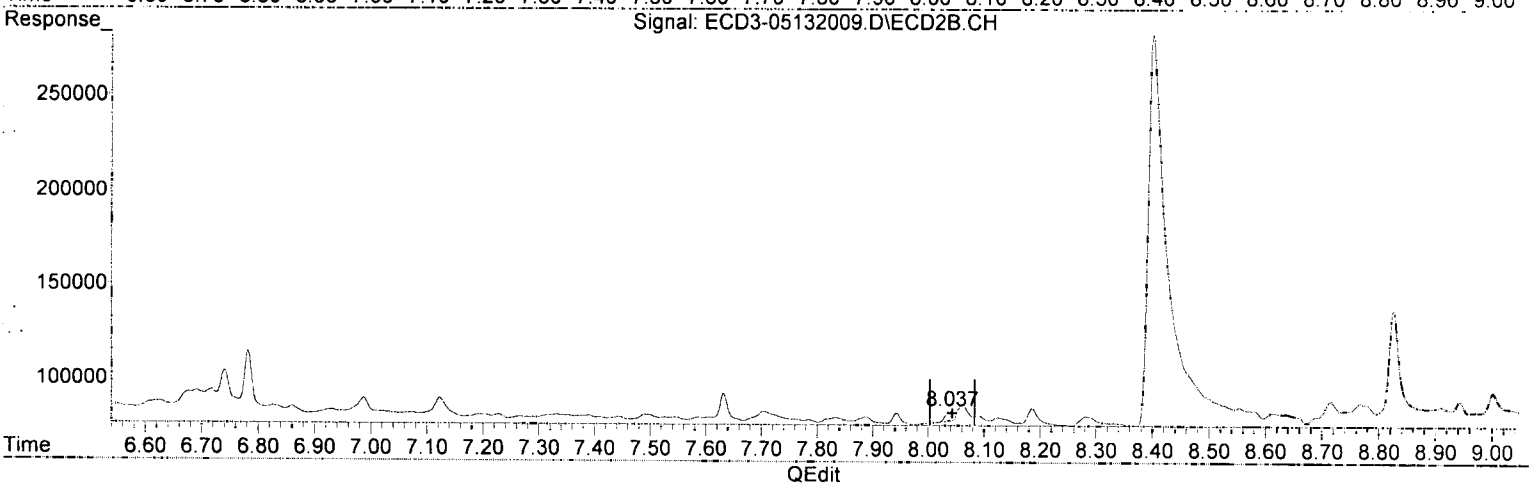
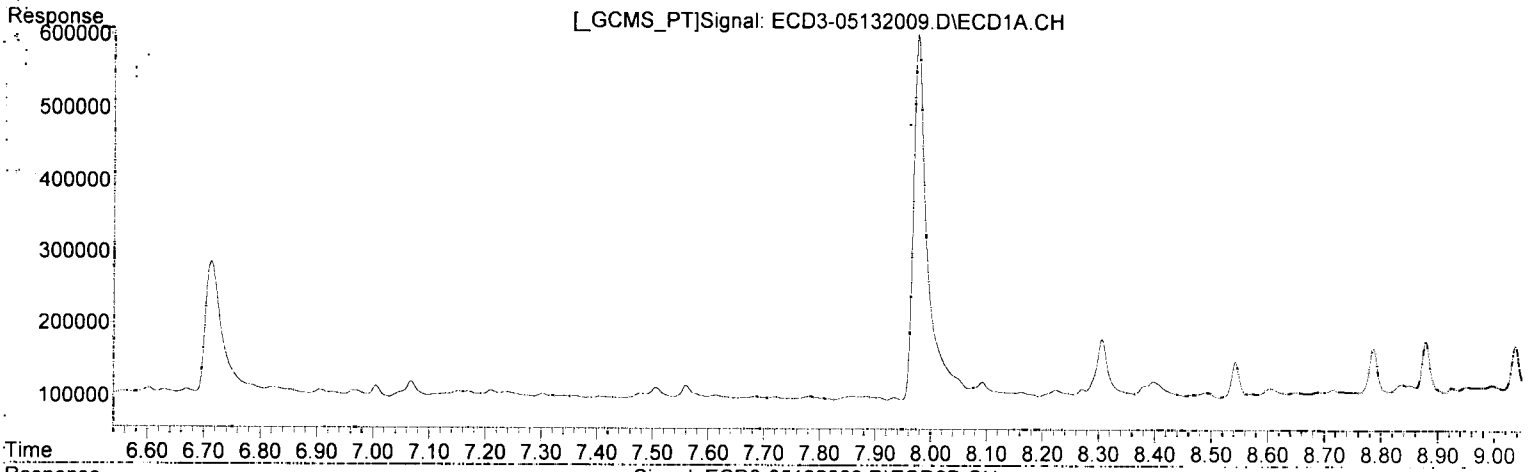
MJB
5/14/20

(15) 4,4'-DDD #2
8.715min 0.117 ng/mL
response 11009

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:37
Operator : MJB
Sample : A0D0763-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

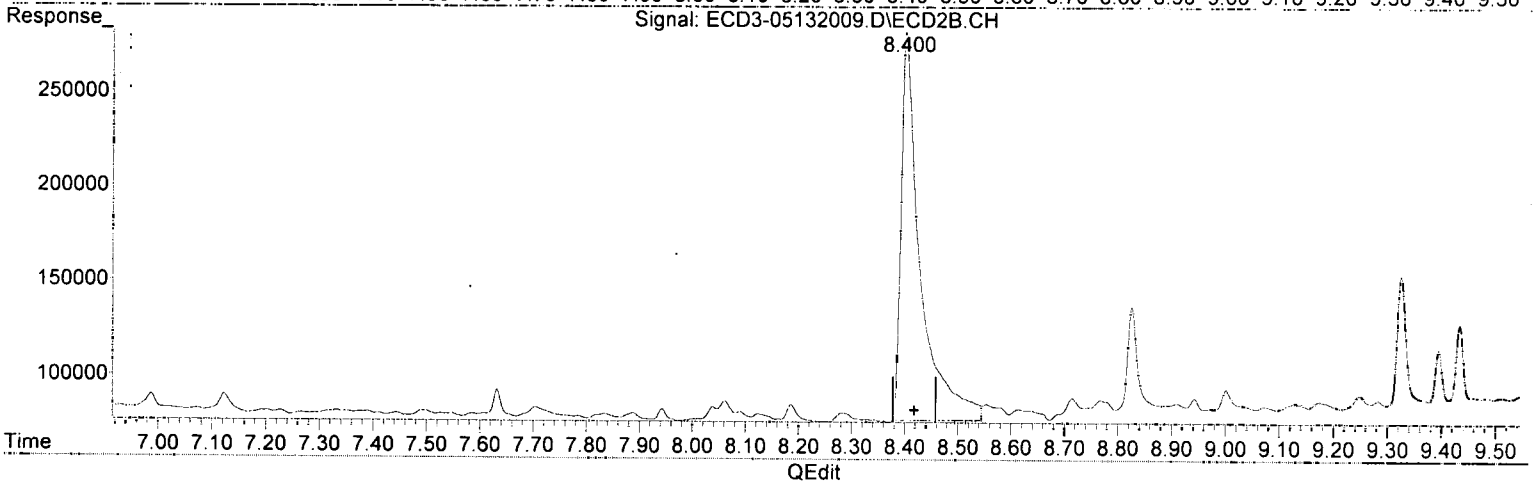
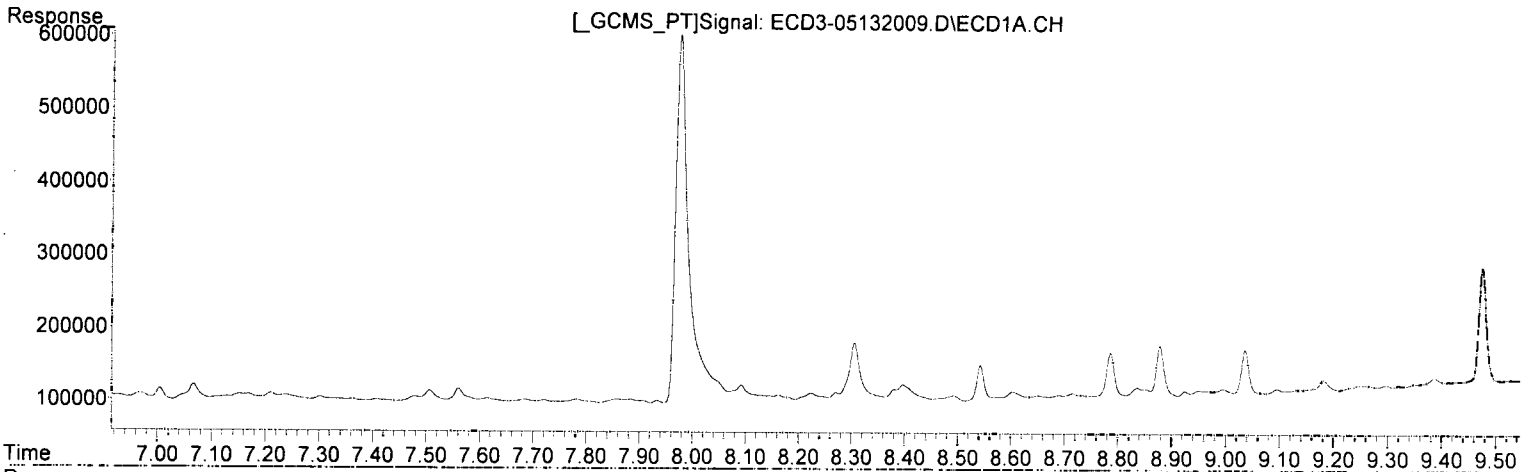
MJB 5/14/20

(26) 2,4'-DDE #2
8.038min 2144.921 ng/mL *Q.021*
response 4809

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:37
Operator : MJB
Sample : A0D0763-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

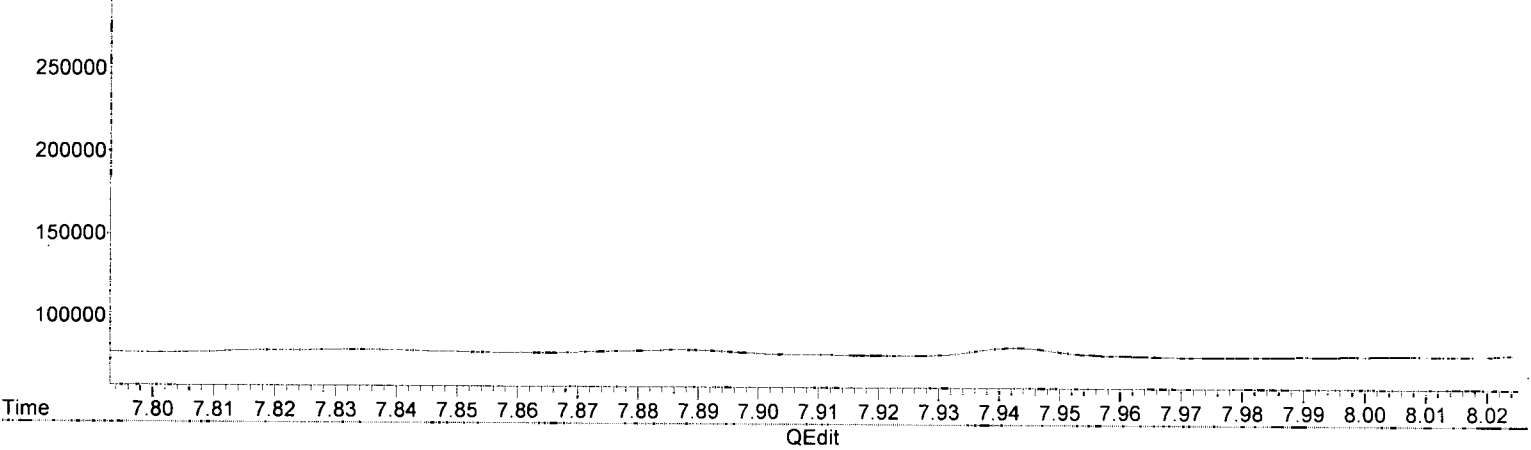
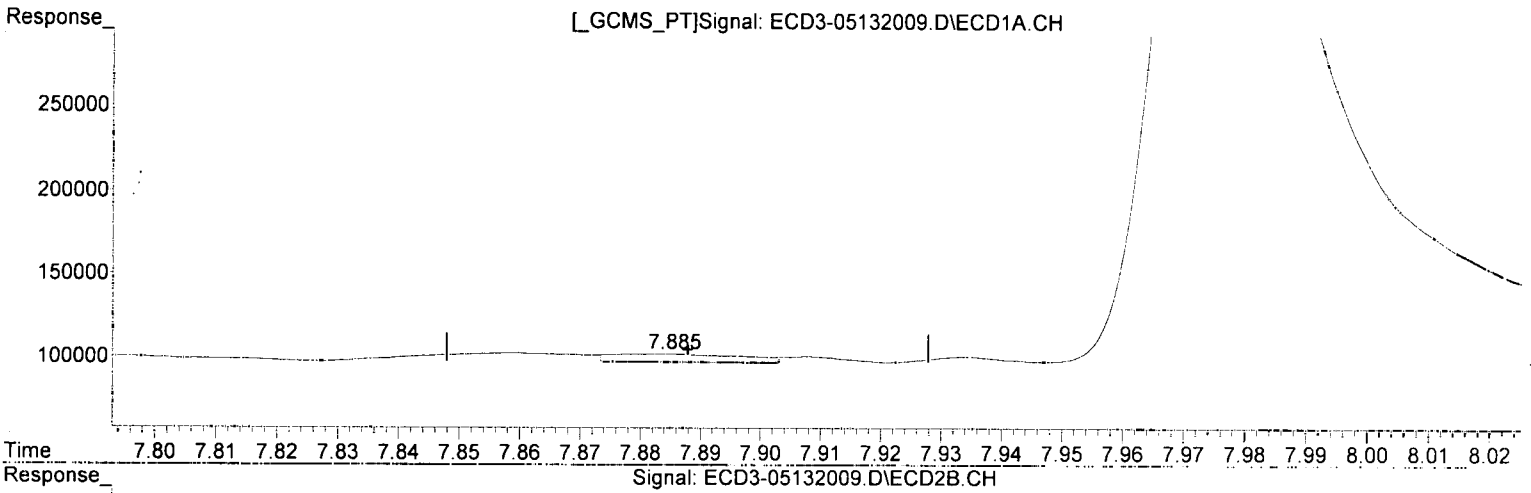
MJB SIM12

(28) 2,4'-DDD #2
8.400min 2.784 ng/mL *3.91*
response 204581

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:37
Operator : MJB
Sample : A0D0763-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.885min 0.063 ng/mL (m)
response 4725

MJB
5/14/20

(29) 2,4'-DDT #2
8.612min 0.099 ng/mL
response 5331

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:37
 Operator : MJB
 Sample : AOD0763-06RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:11 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MI
MUR
5/14/20

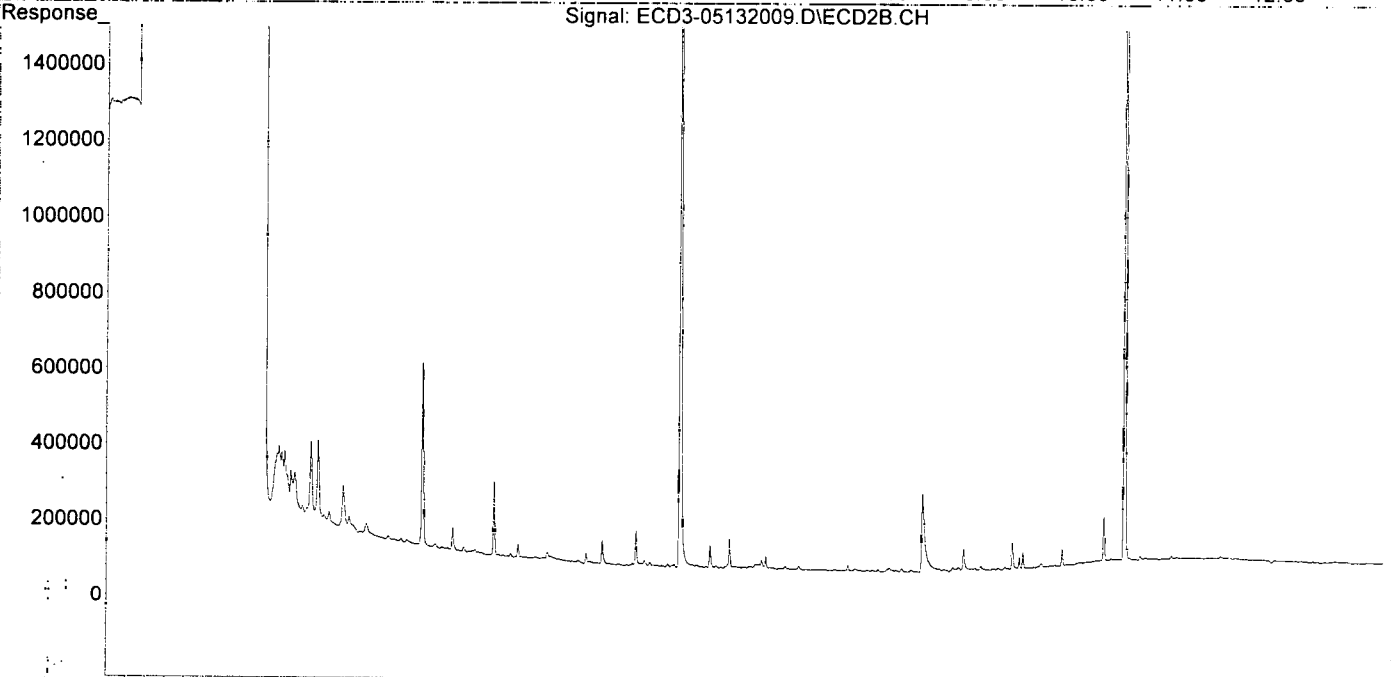
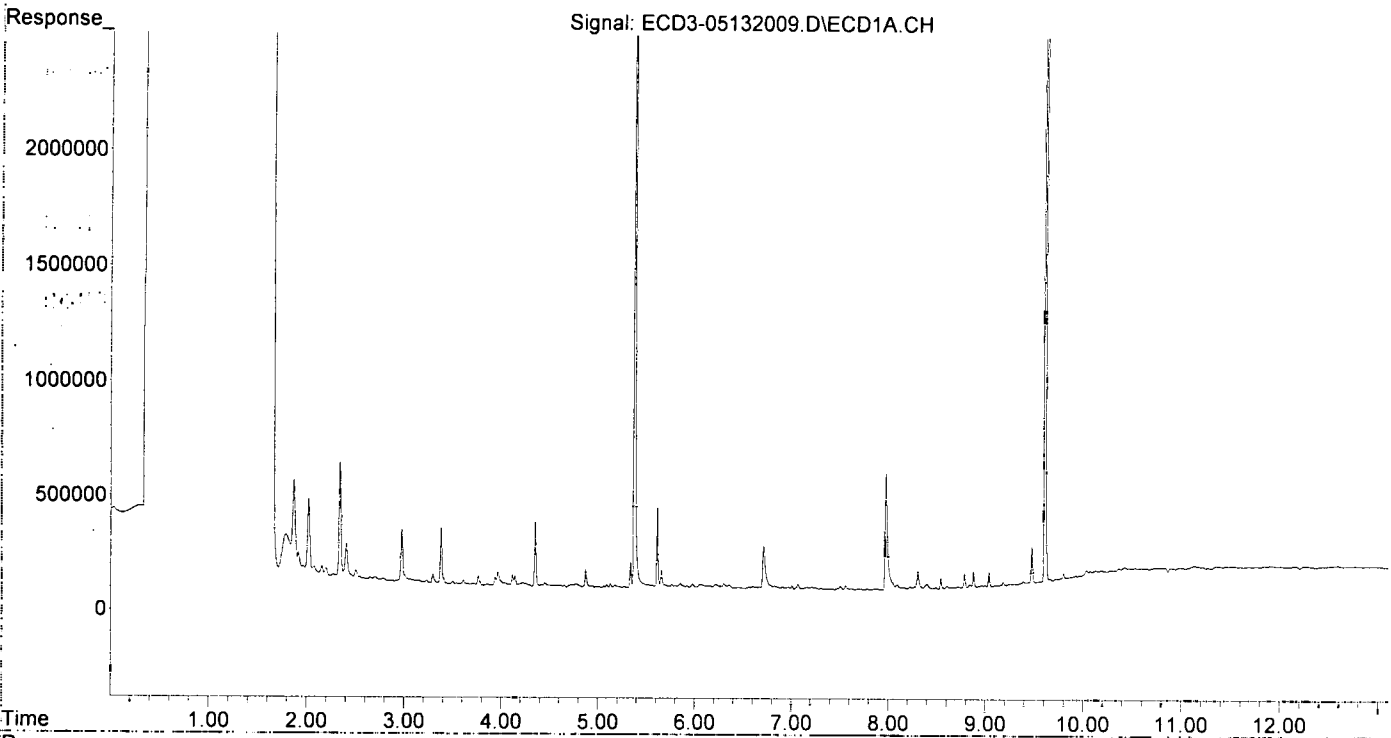
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.892	3901029	3082593	26.339	27.343
22) S DCBP (S)	9.608	10.470	4626889	3053351	41.993	45.930
Target Compounds						
2) a-BHC	5.916	0.000	10864	0	0.054	N.D. #
3) g-BHC	6.223	6.782f	15947	29695	0.092	0.220 #
4) b-BHC	6.299	0.000	21705	0	0.318	N.D. #
5) Heptachlor	6.602	0.000	10840	0	0.066	N.D. #
6) d-BHC	0.000	7.123f	0	9082	N.D.	0.074 #
7) Aldrin	6.819f	0.000	11803	0	0.070	N.D. #
8) Heptachlo...	0.000	7.943f	0	5430	N.D.	0.046 #
9) trans-Chl...	0.000	8.038	0	4809	N.D.	0.040 #
10) cis-Chlor...	7.506	8.186f	14009	8032	0.089	0.069
11) Endosulfa...	0.000	8.186	0	8032	N.D.	0.075 #
12) 4,4'-DDE	7.560f	8.281	15918	3878	0.110	0.034 #
13) Dieldrin	0.000	8.400	0	204581	N.D.	1.709 #
14) Endrin	7.976f	8.612f	507182	5331	4.111	0.062 #
15) 4,4'-DDD	7.976f	8.715f	507182	11009	4.178	0.117 #
16) Endosulfa...	8.093	8.767	23814	9321	0.197	0.102 #
17) 4,4'-DDT	8.224	8.909	12142	6075	0.234	0.182
18) Endrin Al...	8.397	9.001f	22843	12449	BelowCal	3407.053
19) Endosulfa...	8.716	9.249f	4810	6354	0.040	0.075 #
20) Methoxychlor	8.543	9.394	48825	28396	1.227	1.144
21) Endrin Ke...	8.925f	9.621	5879	8094	0.041	0.085 #
23) Hexachlor...	0.000	3.547	0	58101	N.D.	0.147 #
24) Hexachlor...	5.761	6.362	14916	4676	BelowCal	2197.586
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.038	0	4809	N.D.	2144.921 #
27) trans-Non...	7.506	0.000	14009	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.400	0	204581	N.D.	2.784 #
29) 2,4'-DDT	7.859f	8.612f	4969	5331	0.066	0.099 #
30) cis-Nonac...	7.976	8.715f	507182	11009	3.103	2549.465 #
31) Mirex	8.652	9.591	3248	3848	7125.851	3567.472 #
32) Chlordane...	7.560f	8.186f	15918	8032	0.902	0.555
33) Chlordane...	0.000	8.281	0	3878	N.D.	0.314 #
34) Chlordane...	8.263f	8.943	9630	8456	1.810	BelowCal #
35) Chlordane...	3.762f	3.776	39582	7433	NoCal	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.825f	0	57686	N.D.	42.290 #
38) Toxaphene...	8.224	8.909	12142	6075	3.904	2.799
39) Toxaphene...	8.492	8.943	7111	8456	BelowCal	BelowCal
40) Toxaphene...	8.716	9.129	4810	3776	2.043	BelowCal #
41) Toxaphene...	8.786	9.545f	60435	1692	19.923	0.836 #
42) Toxaphene...	0.000	3.776	0	7433	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\2020-05\0E13040\
Data File : ECD3-05132009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:37
Operator : MJB
Sample# : A0D0763-06RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:55
 Operator : MJB
 Sample : A0D0763-07RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 14:03:53 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375	5.893	3030041	2342690	20.458	20.672
22) S DCBP (S)	9.609	10.471	5050133	3358559	45.849	50.652
Target Compounds						
2) a-BHC	5.917	0.000	8161	0	0.040	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	6.605	0.000	4704	0	0.029	N.D. #
6) d-BHC	6.460f	7.124f	5266	7889	0.038	0.065 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	7.944f	0	5112	N.D.	0.043 #
9) trans-Chl...	0.000	8.046	0	4919	N.D.	0.041 #
10) cis-Chlor...	7.509	8.187f	16691	5443	0.106	0.047 #
11) Endosulfa...	0.000	8.187	0	5443	N.D.	0.051 #
12) 4,4'-DDE	7.561f	8.281	12029	3574	0.083	0.031 #
13) Dieldrin	7.788	8.409	5172	93396	0.032	0.780 #
14) Endrin	7.978f	0.000	318597	0	2.583	N.D. #
15) 4,4'-DDD	7.998	8.680	134200	3105	1.105m	0.033 #
16) Endosulfa...	8.093	8.781	18870	2539	0.156	0.028 #
17) 4,4'-DDT	8.223	8.912	5328	6755	0.155	0.194m
18) Endrin Al...	8.408	9.002	12268	9714	BelowCal	3407.087
19) Endosulfa...	8.715	9.249f	5538	4912	0.046	0.058
20) Methoxychlor	0.000	9.398	0	1802	N.D.	0.114 #
21) Endrin Ke...	8.924	9.625	7718	8917	0.054	0.093 #
23) Hexachlor...	0.000	3.547	0	15820	N.D.	837.981 #
24) Hexachlor...	5.762	6.388f	8882	9130	BelowCal	2197.545
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. d
27) trans-Non...	7.509	8.112	16691	3920	BelowCal	1953.528
28) 2,4'-DDD	0.000	8.409	0	93396	N.D.	1.112 #
29) 2,4'-DDT	0.000	8.637	0	4986	N.D.	0.093m#
30) cis-Nonac...	7.978	8.680	318597	3105	1.871	2549.533 #
31) Mirex	8.653	9.590	4715	5346	7125.836	3567.450 #
32) Chlordane...	7.561f	8.187f	12029	5443	0.681	0.376 #
33) Chlordane...	0.000	8.281	0	3574	N.D.	0.289 #
34) Chlordane...	8.164f	8.943	4787	9995	0.900	BelowCal #
35) Chlordane...	3.762f	3.777	18465	5265	NoCal	NoCal
36) Toxaphene...	0.000	8.522	0	3418	N.D.	3.052 #
37) Toxaphene...	0.000	8.827f	0	49844	N.D.	36.541 #
38) Toxaphene...	8.223	0.000	5328	0	1.713	N.D. #
39) Toxaphene...	0.000	8.943	0	9995	N.D.	BelowCal
40) Toxaphene...	8.715	0.000	5538	0	2.352	N.D. #
41) Toxaphene...	8.787	9.510	90761	2029	29.920	1.003 #
42) Toxaphene...	0.000	3.777	0	5265	N.D.	NoCal

6.06

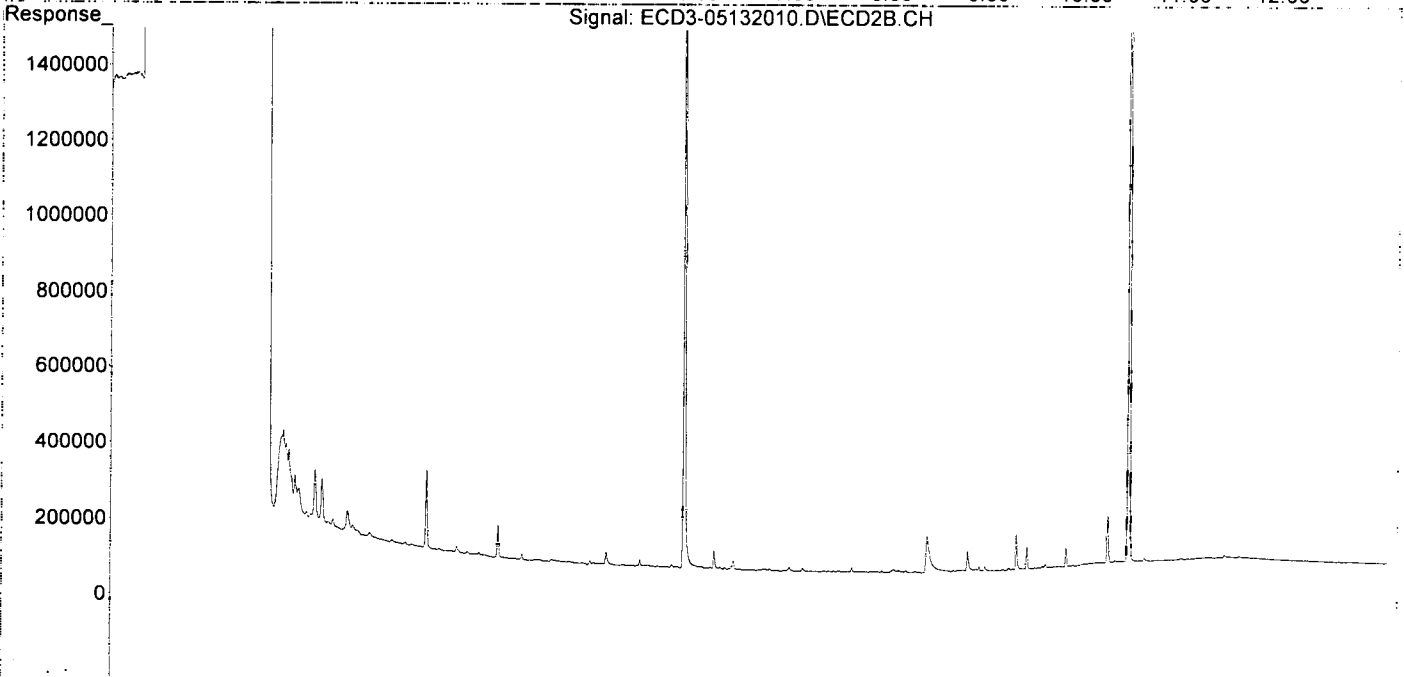
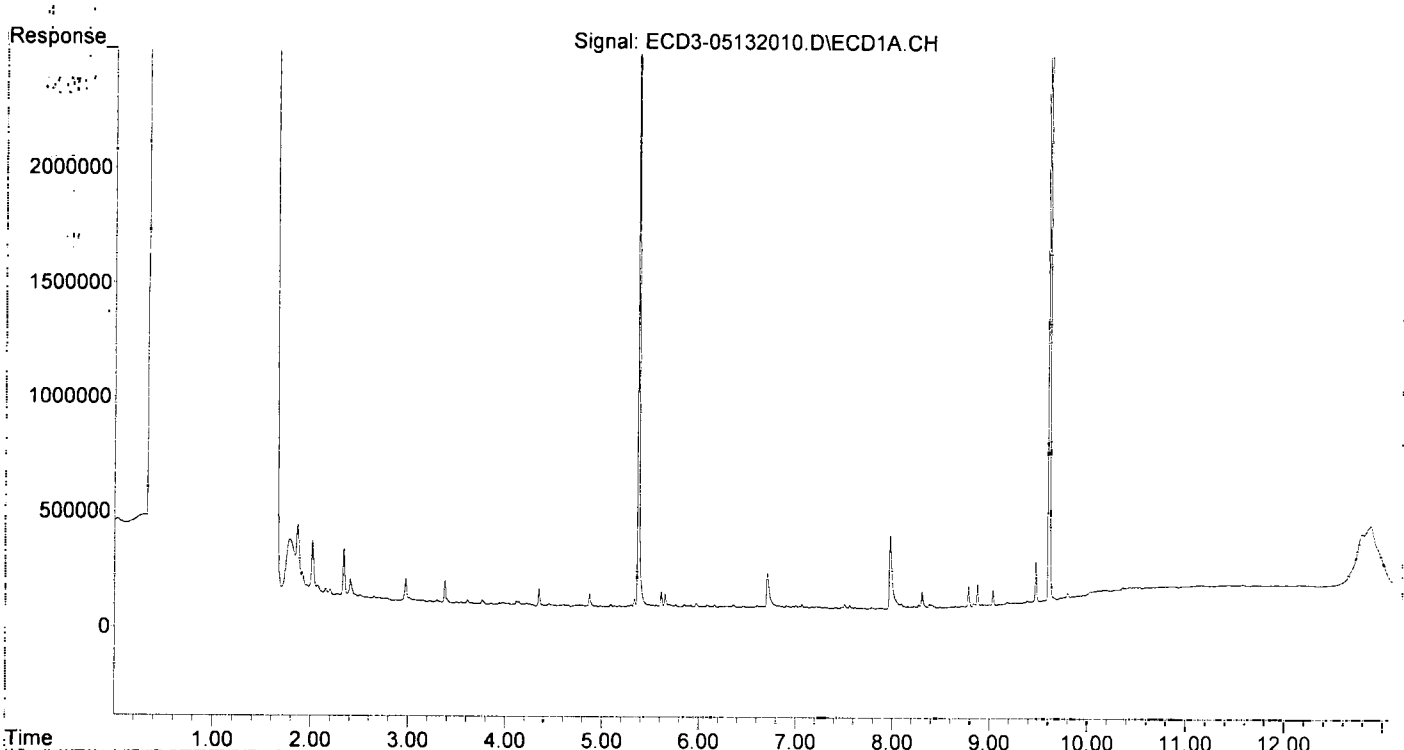
#1

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

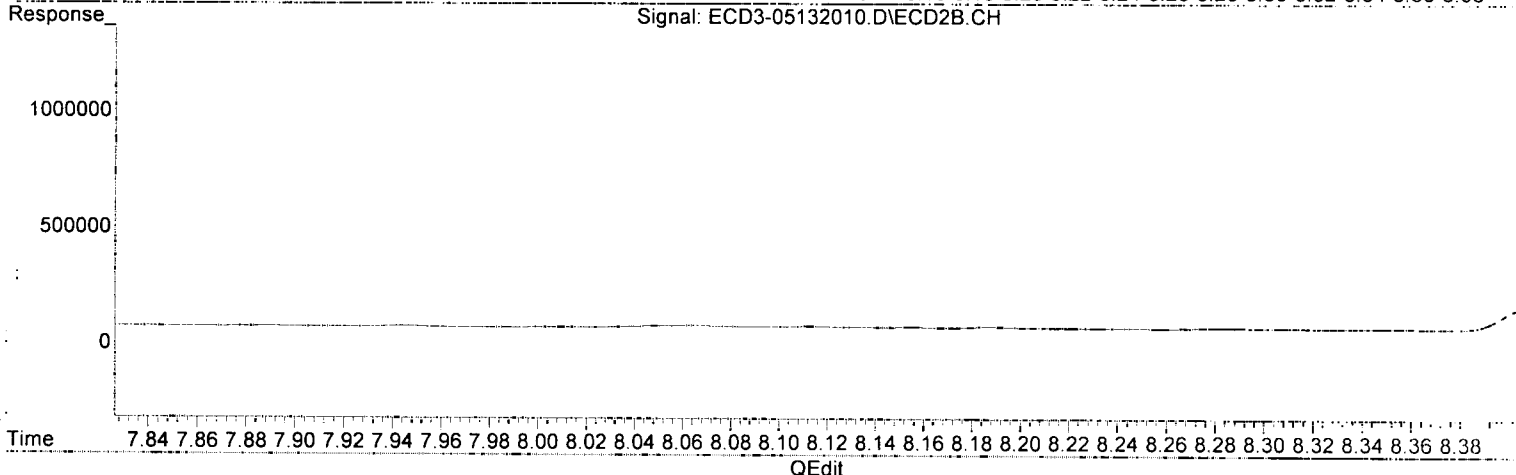
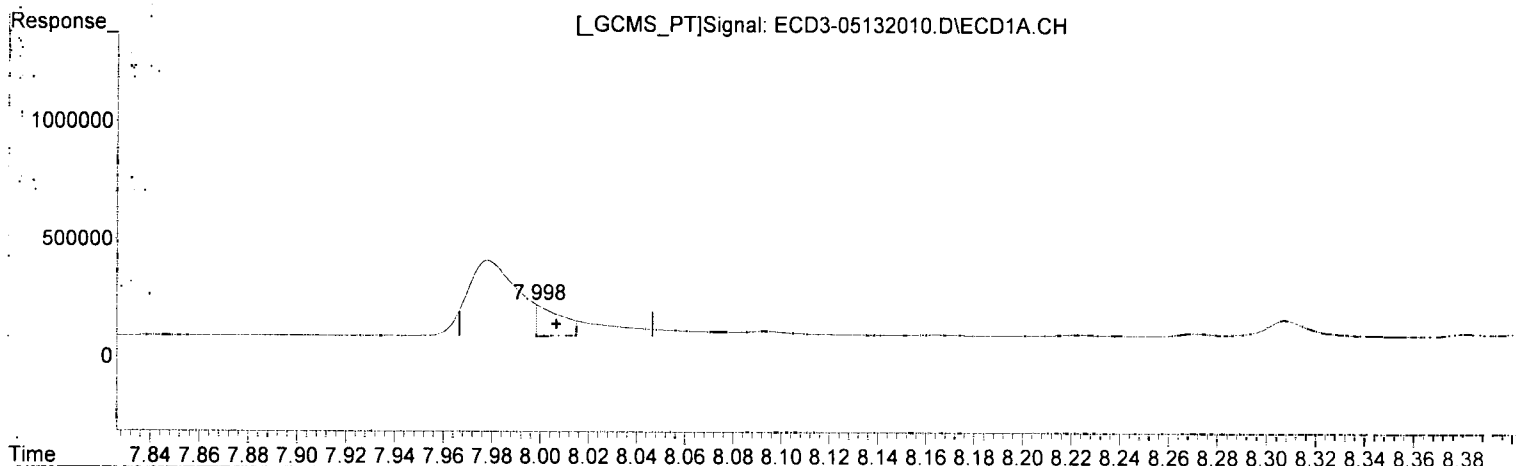
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:03:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.998min 1.105 ng/mL
response 134200

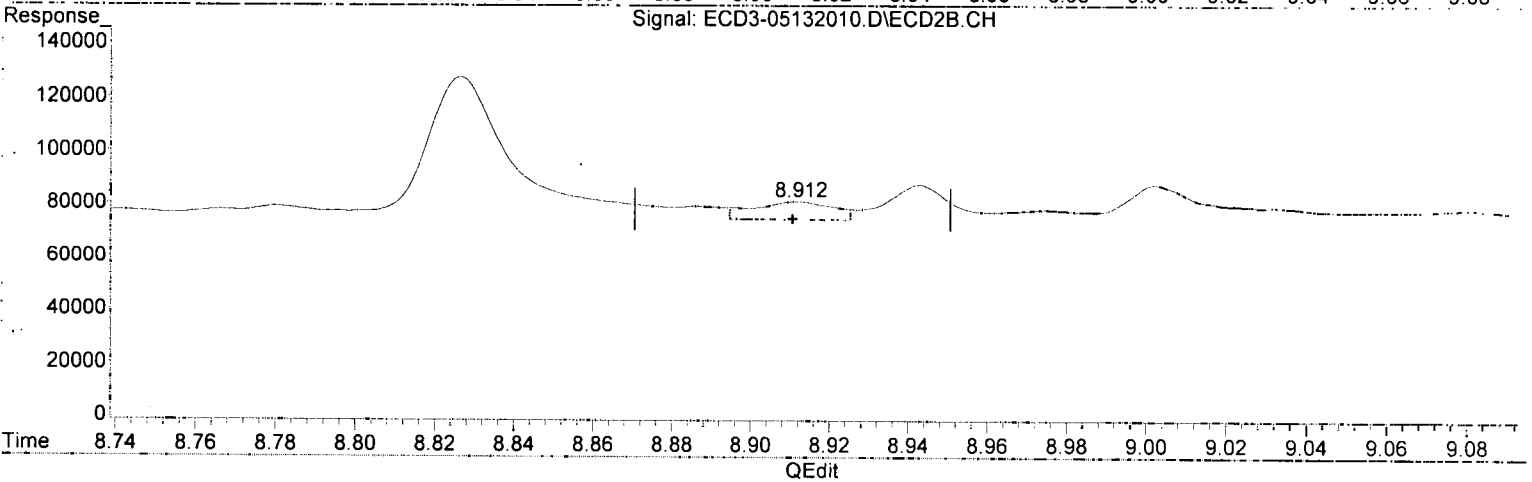
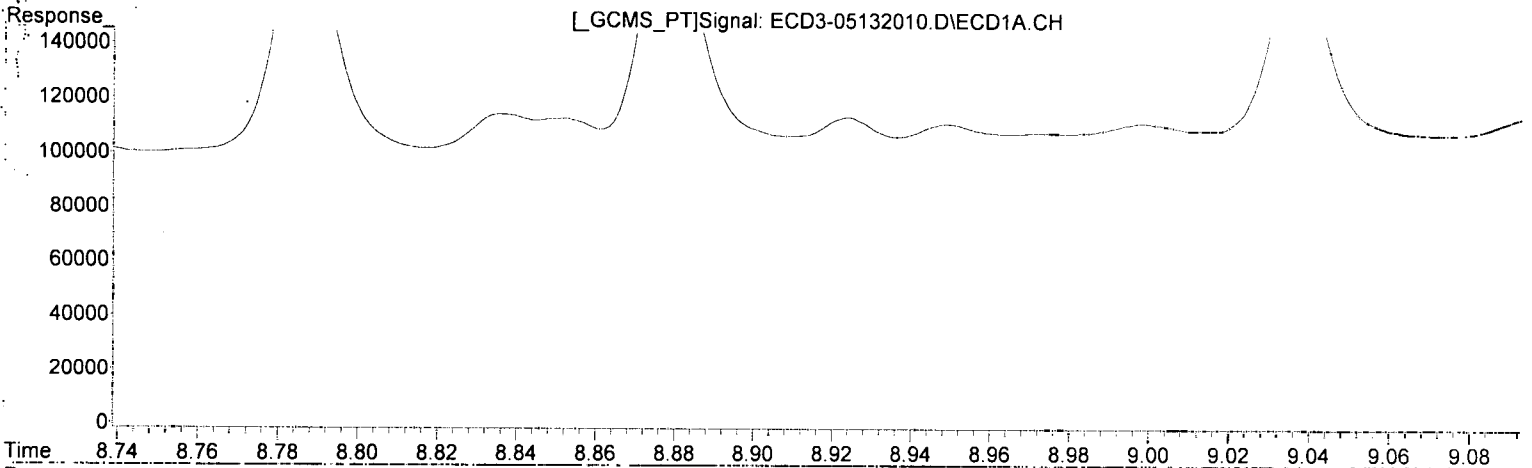
MJB 5/14/20

(15) 4,4'-DDD #2
8.680min 0.033 ng/mL
response 3105

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.223min 0.155 ng/mL
response 5328

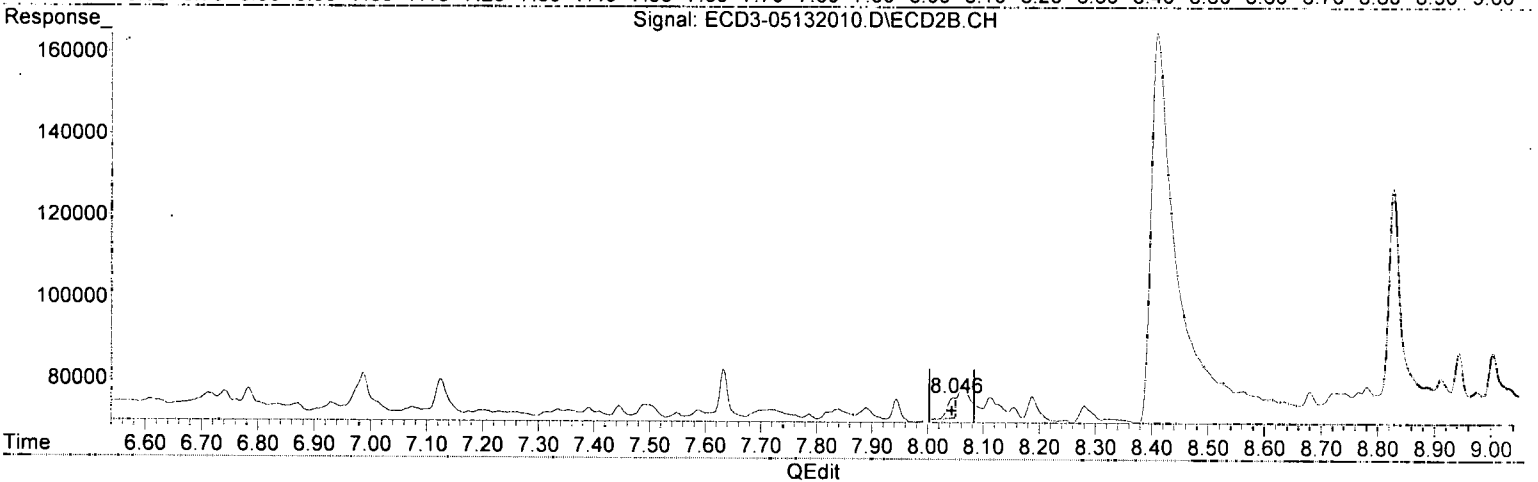
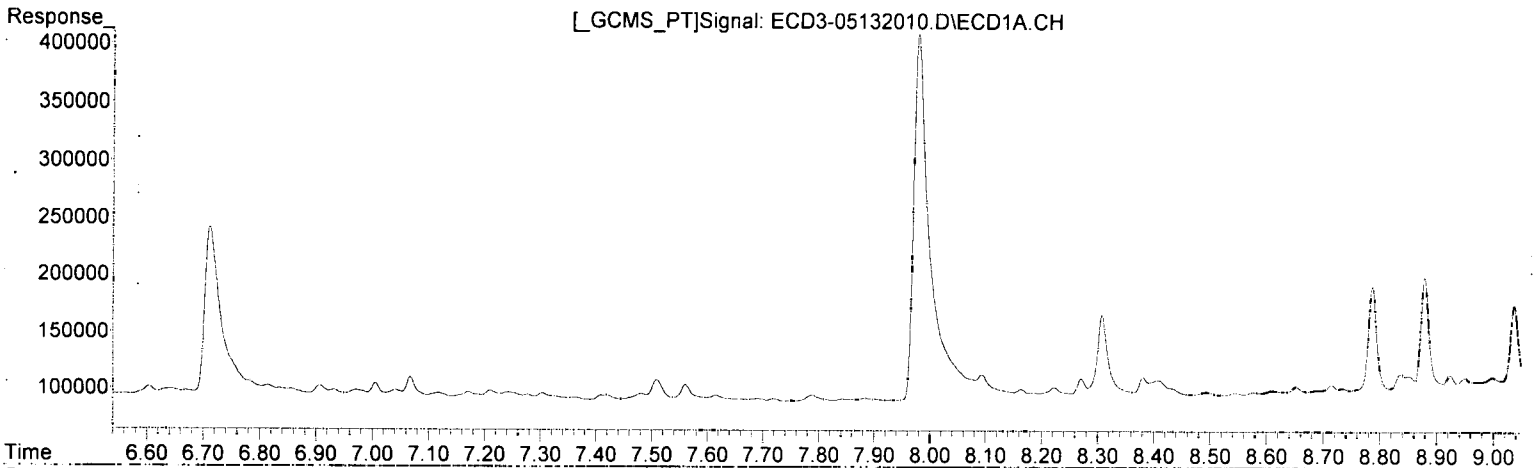
MJB 5/14/20

(17) 4,4'-DDT #2
8.912min 0.194 ng/mL (M)
response 6755

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

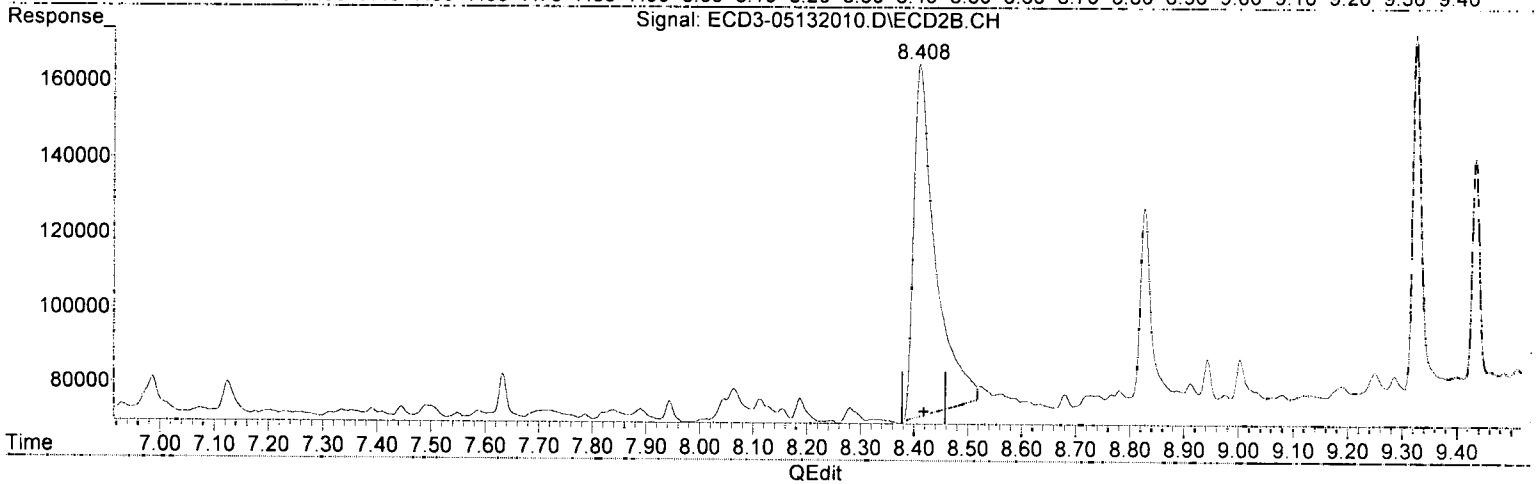
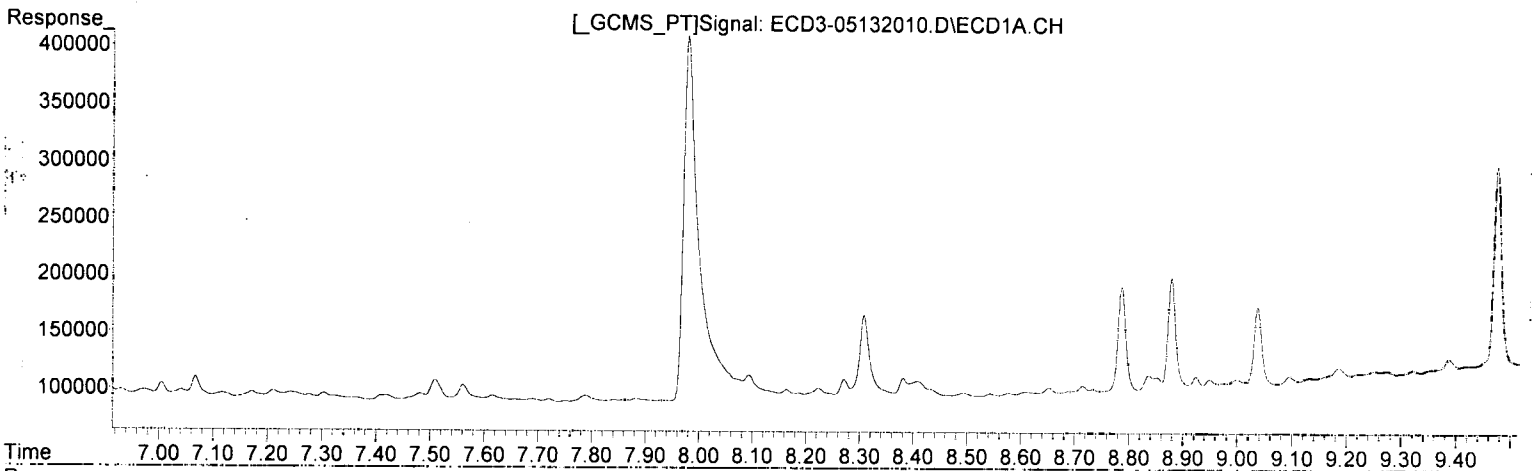
WB 6/14/20

(26) 2,4'-DDE #2
8.046min 2144.919 ng/mL *Q-201*
response 4919

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

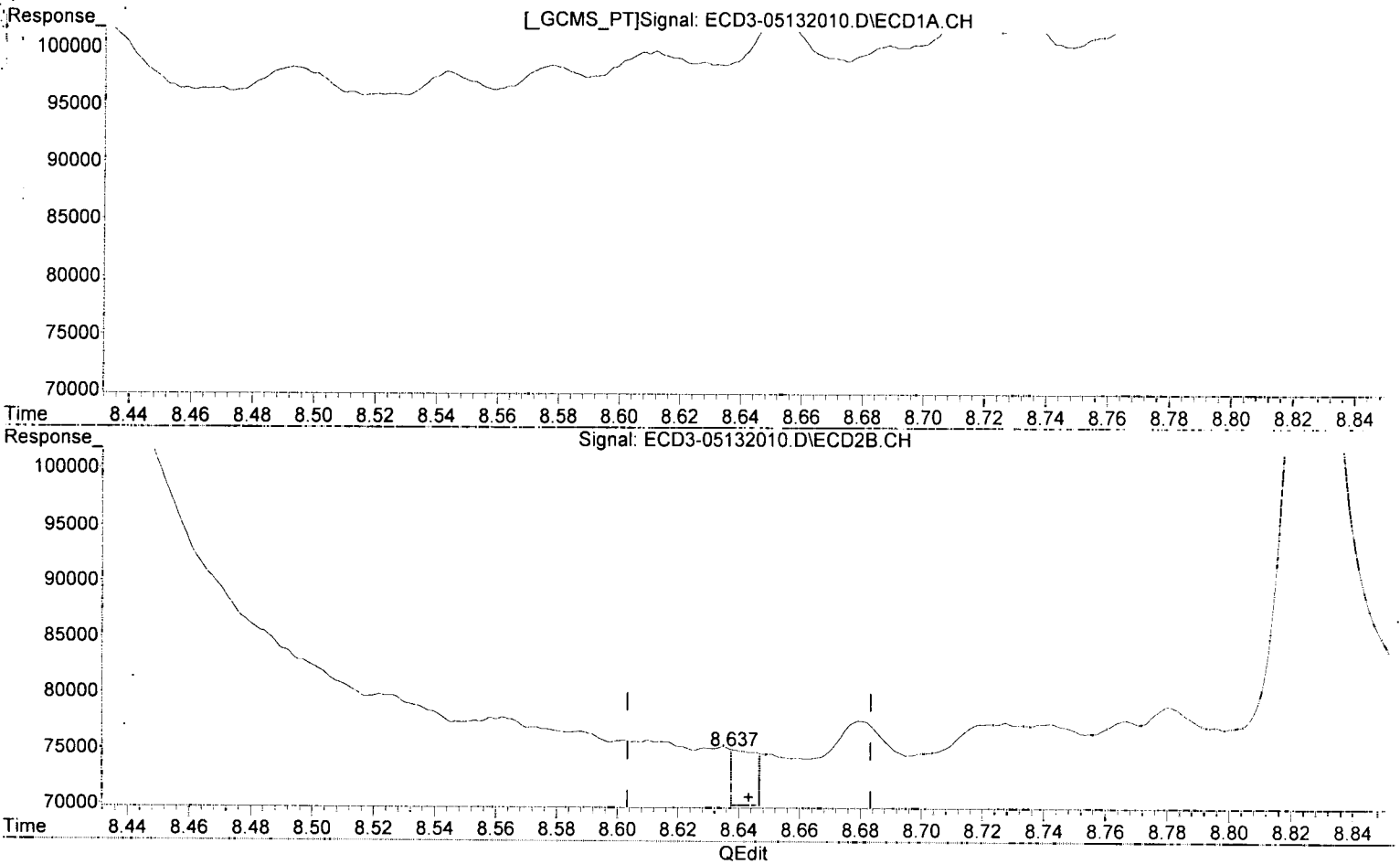
MJB 5/14/20

(28) 2,4'-DDD #2
8.409min 1.112 ng/mL *2-1*
response 93396

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
0.000min 0.000 ng/mL
response 0

MR 5/14/20

(29) 2,4'-DDT #2
8.637min 0.093 ng/mL (m)
response 4986

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 13:55
 Operator : MJB
 Sample : A0D0763-07RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:15 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

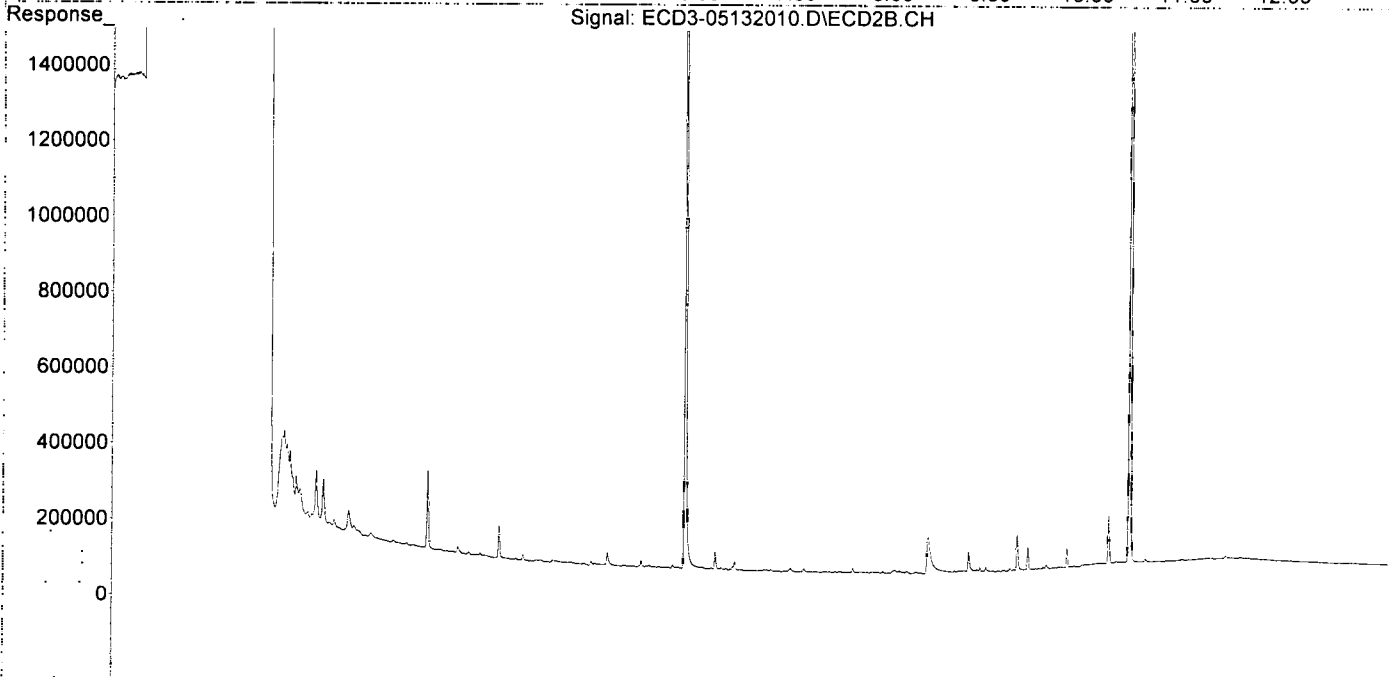
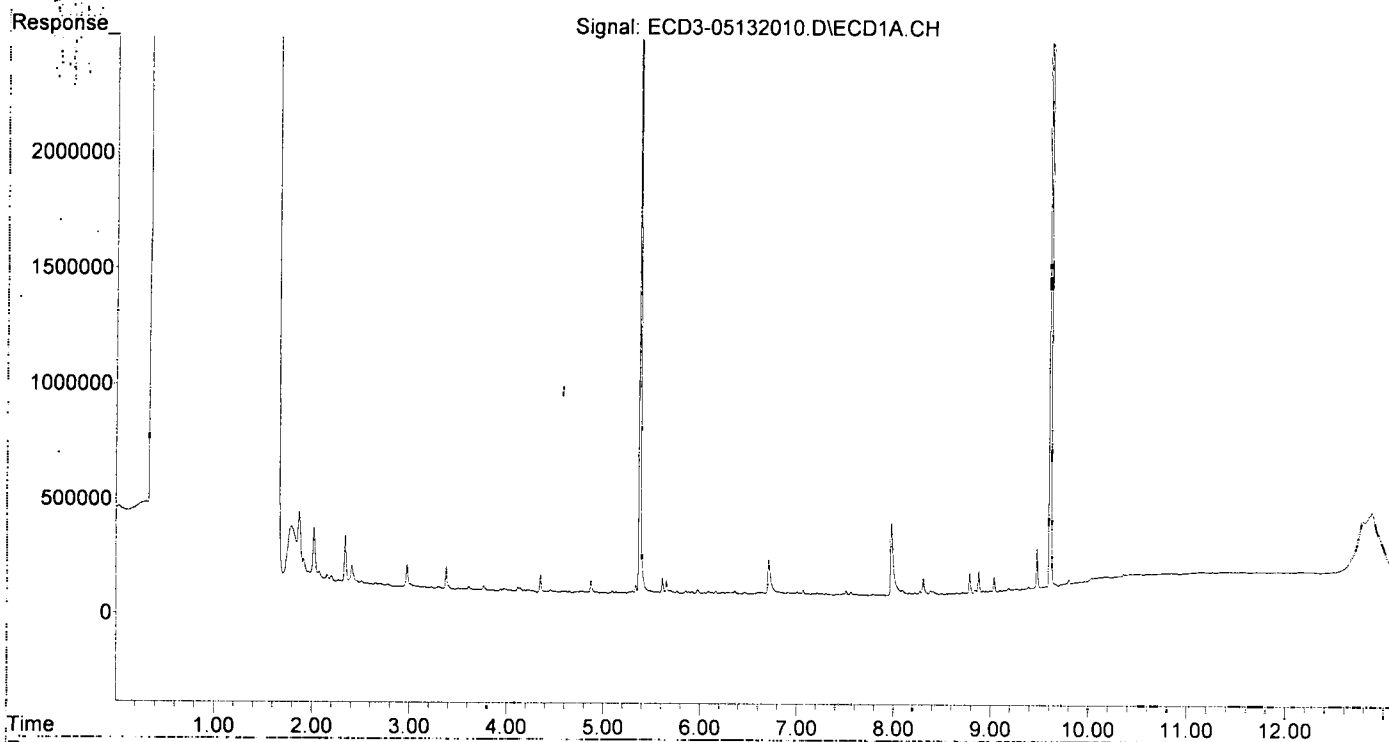
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375	5.893	3030041	2342690	20.458	20.672
22) S DCBP (S)	9.609	10.471	5050133	3358559	45.849	50.652
Target Compounds						
2) a-BHC	5.917	0.000	8161	0	0.040	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.605	0.000	4704	0	0.029	N.D. #
6) d-BHC	6.460f	7.124f	5266	7889	0.038	0.065 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	7.944f	0	5112	N.D.	0.043 #
9) trans-Chl...	0.000	8.046	0	4919	N.D.	0.041 #
10) cis-Chlor...	7.509	8.187f	16691	5443	0.106	0.047 #
11) Endosulfa...	0.000	8.187	0	5443	N.D.	0.051 #
12) 4,4'-DDE	7.561f	8.281	12029	3574	0.083	0.031 #
13) Dieldrin	7.788	8.409	5172	93396	0.032	0.780 #
14) Endrin	7.978f	0.000	318597	0	2.583	N.D. #
15) 4,4'-DDD	7.978f	8.680	318597	3105	2.624	0.033 #
16) Endosulfa...	8.093	8.781	18870	2539	0.156	0.028 #
17) 4,4'-DDT	8.223	8.943f	5328	9995	0.155	0.254 #
18) Endrin Al...	8.408	9.002	12268	9714	BelowCal	3407.087
19) Endosulfa...	8.715	9.249f	5538	4912	0.046	0.058
20) Methoxychlor	0.000	9.398	0	1802	N.D.	0.114 #
21) Endrin Ke...	8.924	9.625	7718	8917	0.054	0.093 #
23) Hexachlor...	0.000	3.547	0	15820	N.D.	837.981 #
24) Hexachlor...	5.762	6.388f	8882	9130	BelowCal	2197.545
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.046	0	4919	N.D.	2144.919 #
27) trans-Non...	7.509	8.112	16691	3920	BelowCal	1953.528
28) 2,4'-DDD	0.000	8.409	0	93396	N.D.	1.112 #
29) 2,4'-DDT	0.000	8.680f	0	3105	N.D.	0.058 #
30) cis-Nonac...	7.978	8.680	318597	3105	1.871	2549.533 #
31) Mirex	8.653	9.590	4715	5346	7125.836	3567.450 #
32) Chlordane...	7.561f	8.187f	12029	5443	0.681	0.376 #
33) Chlordane...	0.000	8.281	0	3574	N.D.	0.289 #
34) Chlordane...	8.164f	8.943	4787	9995	0.900	BelowCal #
35) Chlordane...	3.762f	3.777	18465	5265	NoCal	NoCal
36) Toxaphene...	0.000	8.522	0	3418	N.D.	3.052 #
37) Toxaphene...	0.000	8.827f	0	49844	N.D.	36.541 #
38) Toxaphene...	8.223	0.000	5328	0	1.713	N.D. #
39) Toxaphene...	0.000	8.943	0	9995	N.D.	BelowCal
40) Toxaphene...	8.715	0.000	5538	0	2.352	N.D. #
41) Toxaphene...	8.787	9.510	90761	2029	29.920	1.003 #
42) Toxaphene...	0.000	3.777	0	5265	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\2020-05\0E13040\
Data File : ECD3-05132010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 13:55
Operator : MJB
Sample : A0D0763-07RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 14:12
 Operator : MJB
 Sample : A0D0763-09RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 14:07:53 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	4020858	3076442	27.148	27.287
22) S DCBP (S)	9.608	10.470	5207308	3408028	47.281	51.420
Target Compounds						
2) a-BHC	5.915	0.000	14956	0	0.074	N.D. #
3) g-BHC	6.203	6.823	22290	9295	0.129	0.069 #
4) b-BHC	6.265	0.000	14358	0	0.210	N.D. #
5) Heptachlor	6.626	7.190	12382	4224	0.076	0.037 #
6) d-BHC	0.000	7.120f	0	9382	N.D.	0.077 #
7) Aldrin	6.825f	0.000	15976	0	0.095	N.D. #
8) Heptachlo...	0.000	7.943f	0	5630	N.D.	0.048 #
9) trans-Chl...	0.000	8.037	0	5204	N.D.	0.043 #
10) cis-Chlor...	7.504	8.184f	16404	9575	0.105	0.083 #
11) Endosulfa...	7.613	8.184	7326	9575	0.051	0.089 #
12) 4,4'-DDE	7.559f	8.279	15814	4802	0.110	0.042 #
13) Dieldrin	7.772	8.393	8464	3227433	0.053	26.953 #
14) Endrin	7.971	8.607f	6107470	30220	49.508	0.350 #
15) 4,4'-DDD	7.998	8.681	659187	17277	5.430m	0.183 #
16) Endosulfa...	0.000	8.763	0	127835	N.D.	1.394 #
17) 4,4'-DDT	8.206	8.896	33798	13051	0.486	0.310m #
18) Endrin Al...	8.395	8.999f	243791	39130	2.147	0.246 #
19) Endosulfa...	8.713	9.251f	22310	7903	0.185	0.094 #
20) Methoxychlor	8.548	9.396	25189	3766	0.652	0.191 #
21) Endrin Ke...	8.878f	9.614	106906	9508	0.742	0.099 #
23) Hexachlor...	3.149	3.546	12481	22331	2108.630	837.942 #
24) Hexachlor...	5.762	6.363	30354	14912	0.025	2197.492 #
25) Oxychlorane	0.000	7.833	0	4183	N.D.	3277.695 #
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.504	0.000	16404	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.393f	0	3227433	N.D.	48.932 #
29) 2,4'-DDT	7.882	8.607f	6909	30220	0.092	0.563 #
30) cis-Nonac...	7.971	8.681	6107470	17277	39.455	2549.411 #
31) Mirex	8.687f	9.614	24424	9508	7125.637	3567.388 #
32) Chlordane...	7.559	8.184f	15814	9575	0.896	0.662
33) Chlordane...	7.613f	8.279	7326	4802	0.354	0.388
34) Chlordane...	8.206	8.943	33798	13486	6.352	BelowCal #
35) Chlordane...	0.000	3.775	0	5980	N.D.	NoCal
36) Toxaphene...	7.613	0.000	7326	0	8.801	N.D. #
37) Toxaphene...	0.000	8.824f	0	70807	N.D.	51.909 #
38) Toxaphene...	8.224	0.000	32807	0	10.547	N.D. #
39) Toxaphene...	8.469	8.943	31603	13486	5.253	BelowCal #
40) Toxaphene...	8.713	9.136	22310	8265	9.473	1.300 #
41) Toxaphene...	8.786	0.000	68857	0	22.699	N.D. #
42) Toxaphene...	0.000	3.775	0	5980	N.D.	NoCal

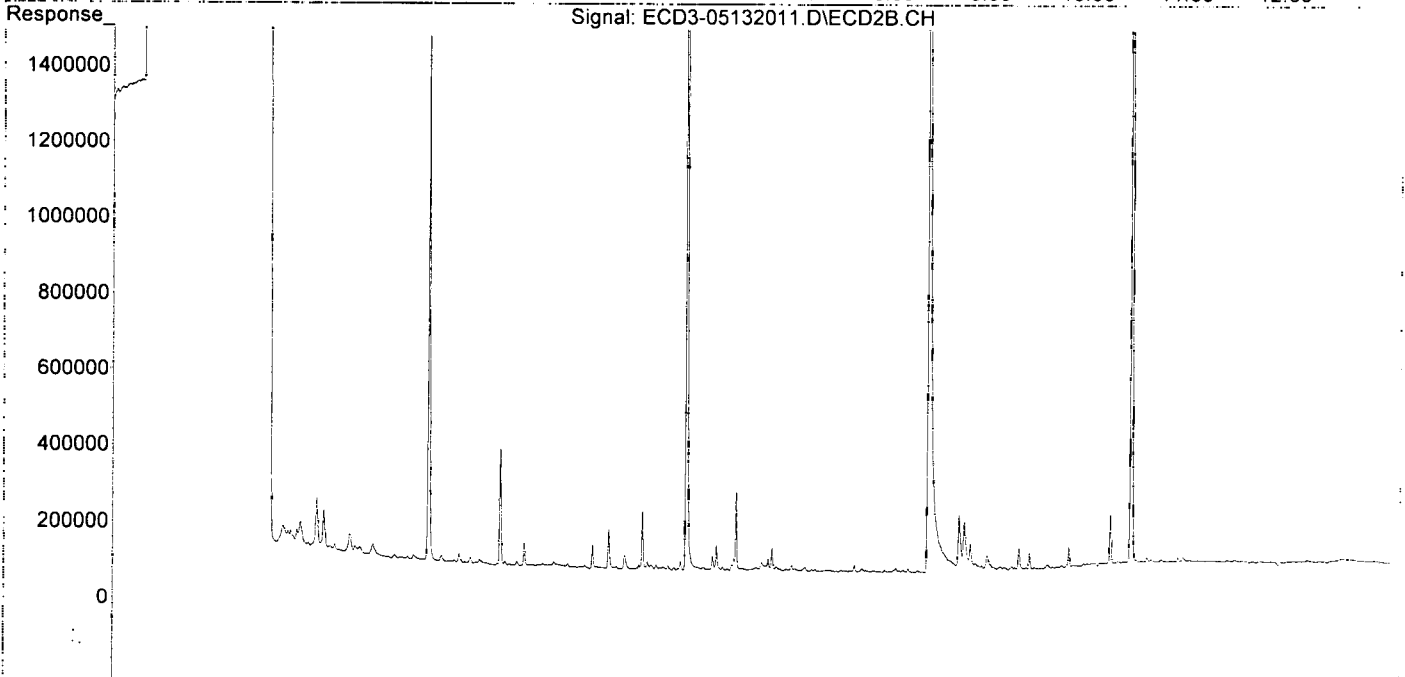
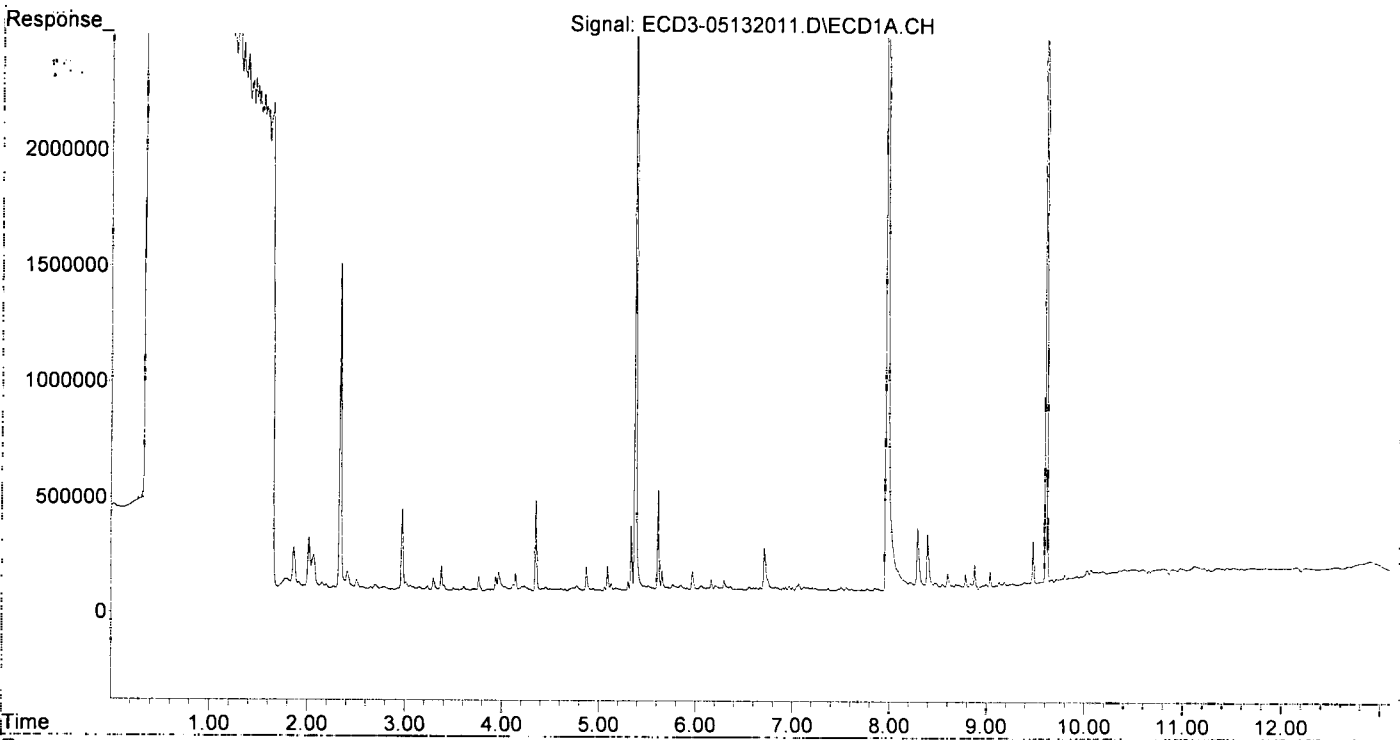
9-01

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:12
Operator : MJB
Sample : A0D0763-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

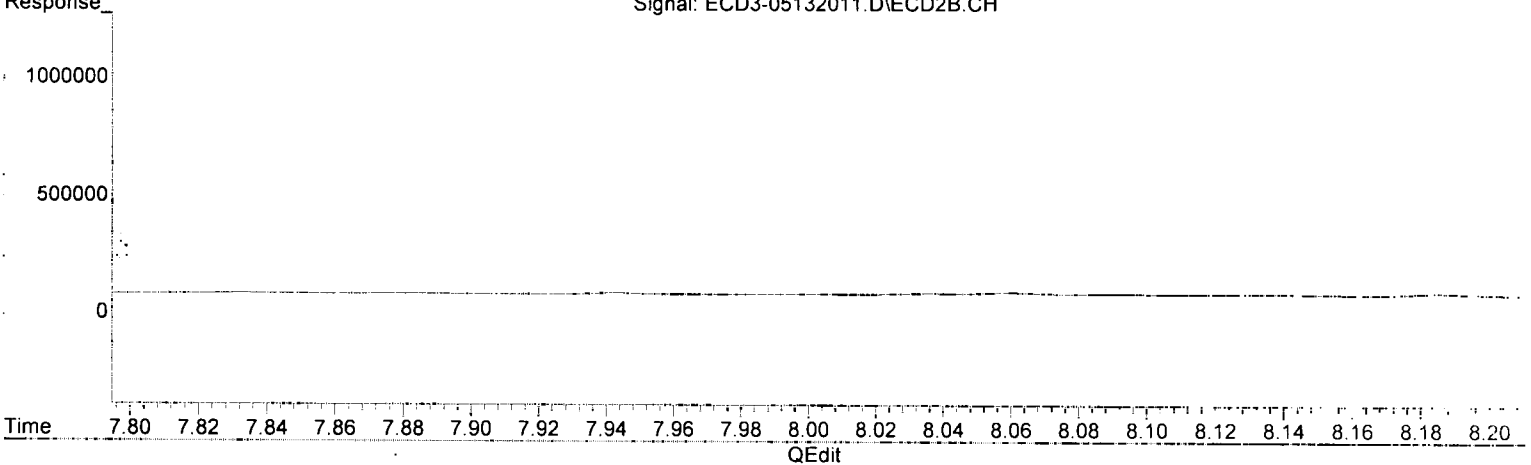
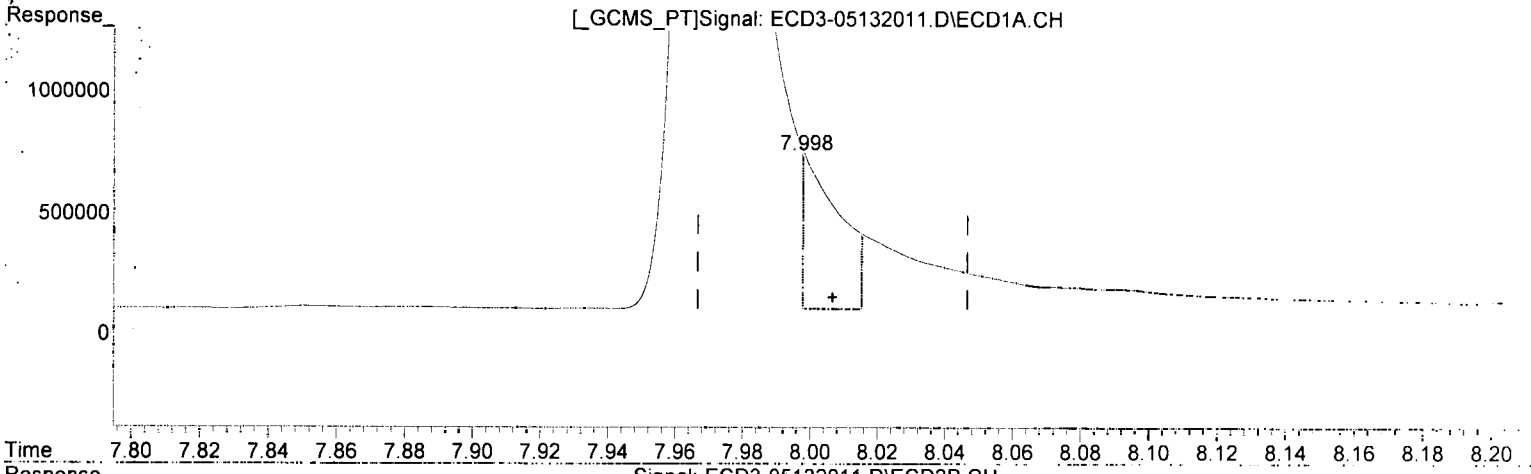
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:07:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:12
Operator : MJB
Sample : A0D0763-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.998min 5.430 ng/mL(m)
response 659187

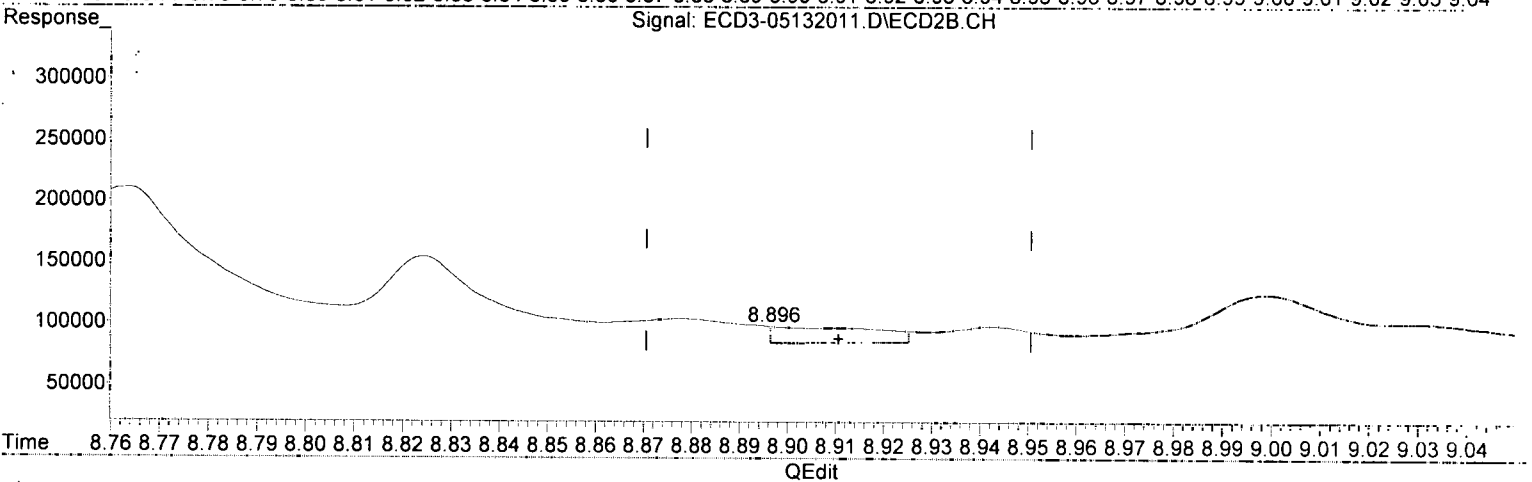
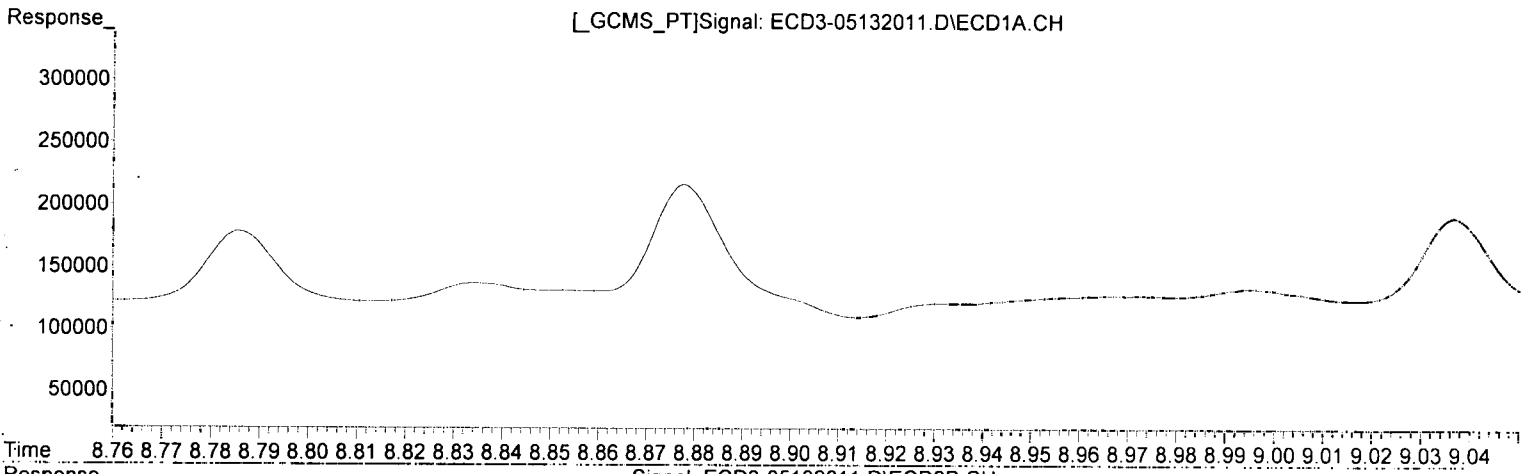
MJB
5/14/20

(15) 4,4'-DDD #2
8.681min 0.183 ng/mL
response 17277

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:12
Operator : MJB
Sample : A0D0763-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.206min 0.486 ng/mL
response 33798

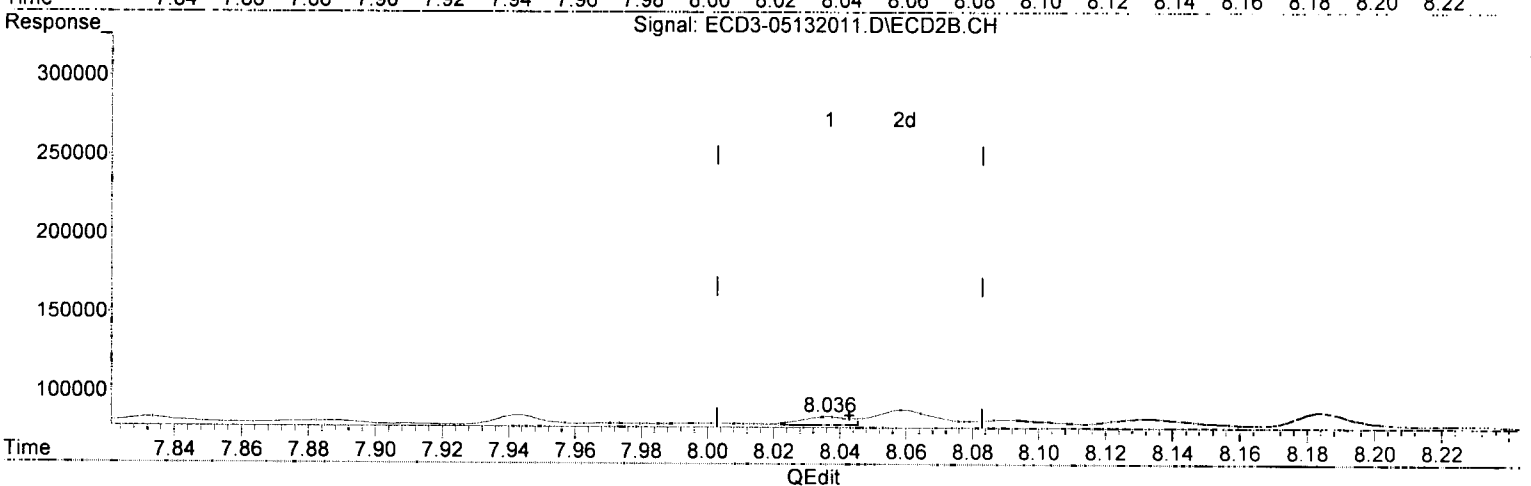
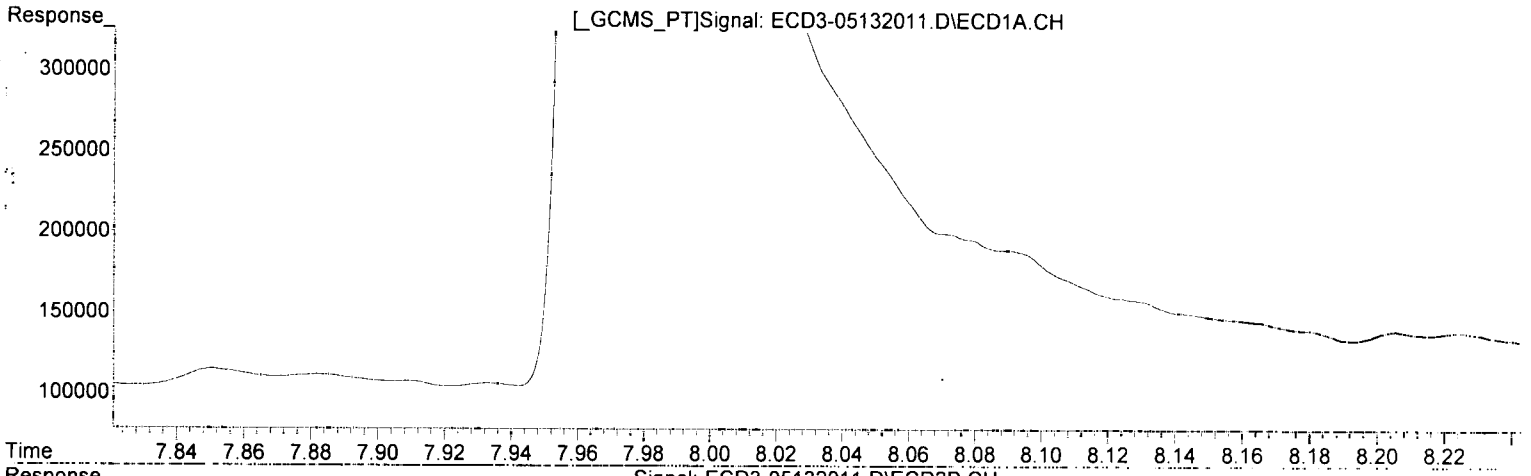
MJB
5/14/20

(17) 4,4'-DDT #2
8.896min 0.310 ng/mL (m)
response 13051

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:12
Operator : MJB
Sample : A0D0763-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

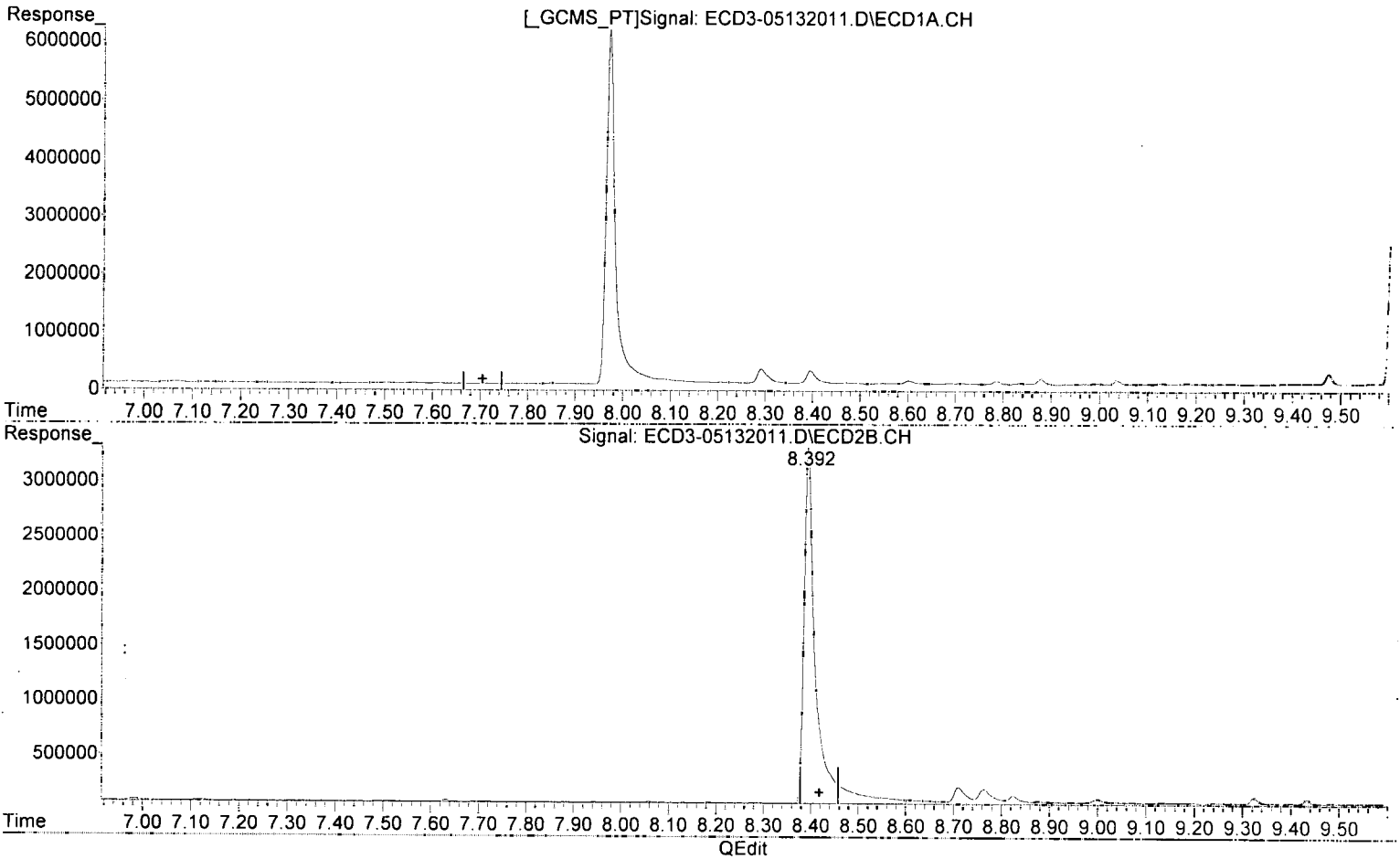
MJB
5/14/20

(26) 2,4'-DDE #2
8.037min 2144.915 ng/mL *Q.D.U.*
response 5204

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:12
Operator : MJB
Sample : A0D0763-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

MJB 5/14/20

(28) 2,4'-DDD #2
8.393min 48.932 ng/mL 9.0\
response 3227433

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 14:12
 Operator : MJB
 Sample : A0D0763-09RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:19 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

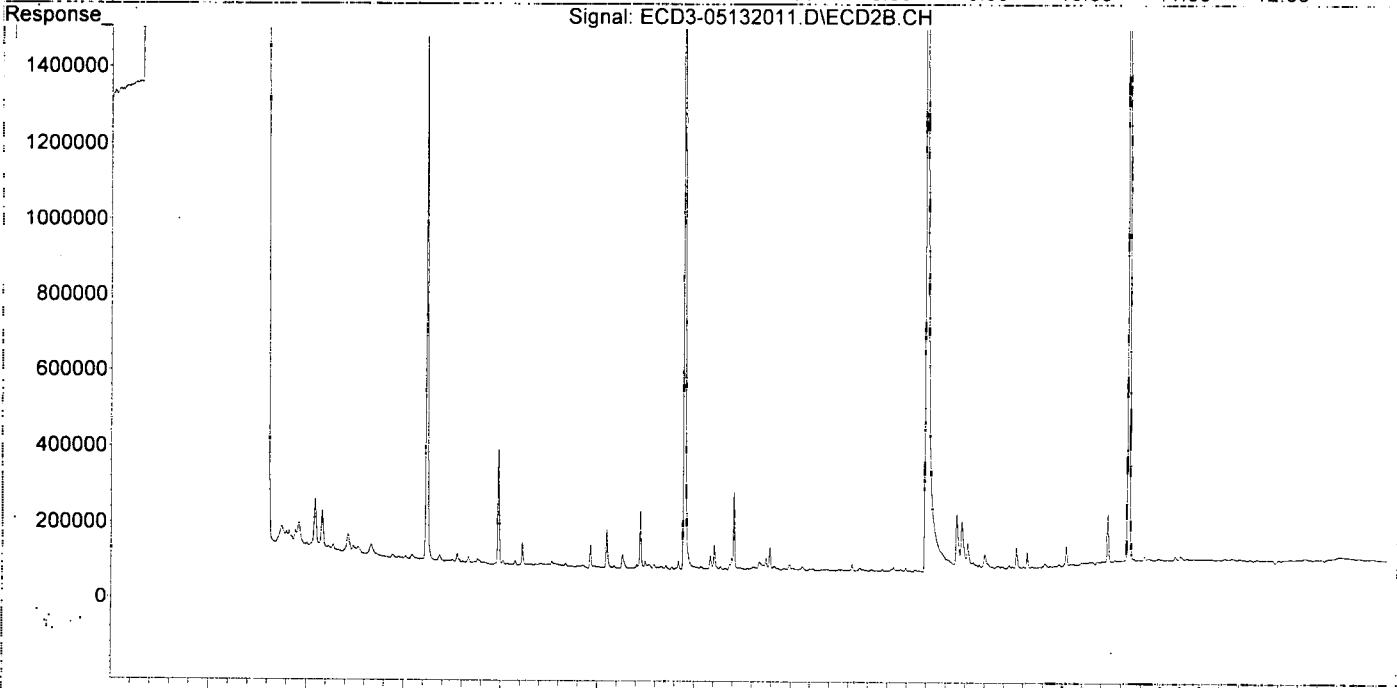
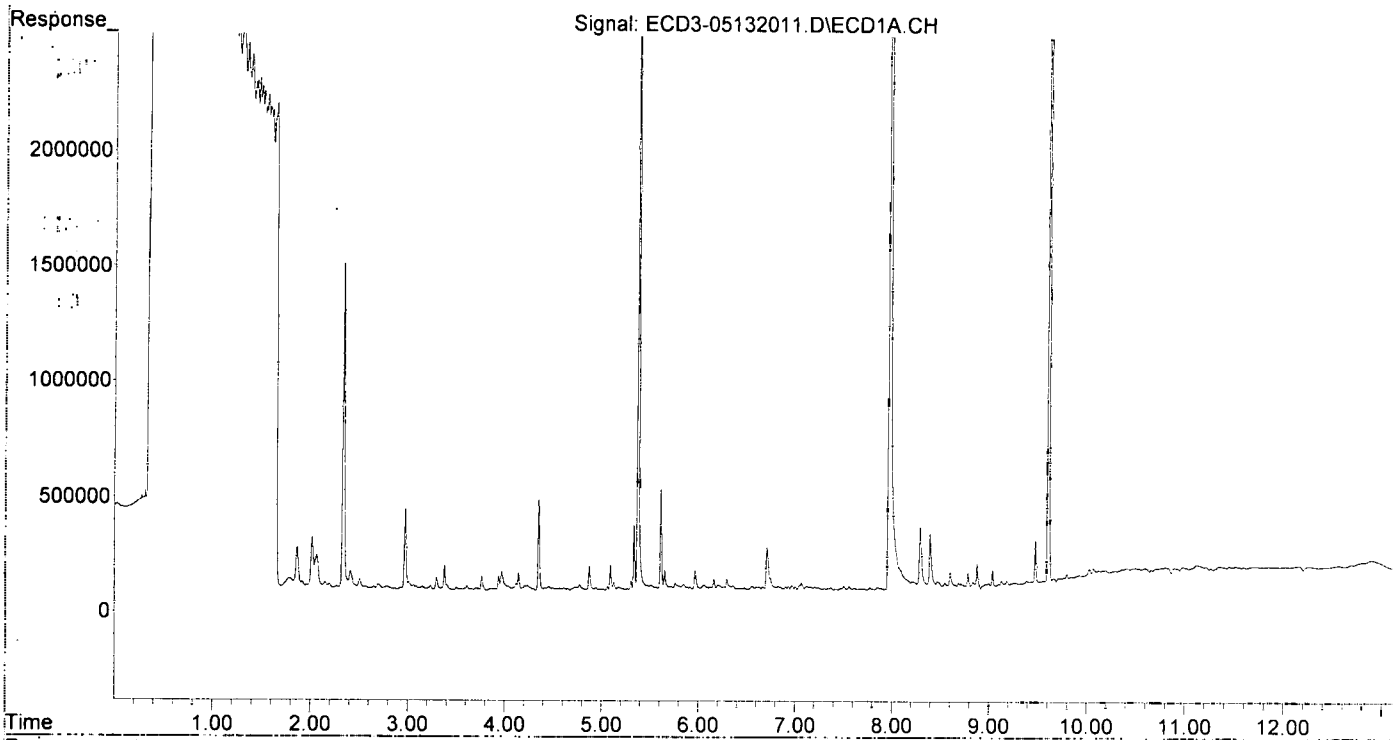
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	4020858	3076442	27.148	27.287
22) S DCBP (S)	9.608	10.470	5207308	3408028	47.281	51.420
Target Compounds						
2) a-BHC	5.915	0.000	14956	0	0.074	N.D. #
3) g-BHC	6.203	6.823	22290	9295	0.129	0.069 #
4) b-BHC	6.265	0.000	14358	0	0.210	N.D. #
5) Heptachlor	6.626	7.190	12382	4224	0.076	0.037 #
6) d-BHC	0.000	7.120f	0	9382	N.D.	0.077 #
7) Aldrin	6.825f	0.000	15976	0	0.095	N.D. #
8) Heptachlo...	0.000	7.943f	0	5630	N.D.	0.048 #
9) trans-Chl...	0.000	8.037	0	5204	N.D.	0.043 #
10) cis-Chlor...	7.504	8.184f	16404	9575	0.105	0.083 #
11) Endosulfa...	7.613	8.184	7326	9575	0.051	0.089 #
12) 4,4'-DDE	7.559f	8.279	15814	4802	0.110	0.042 #
13) Dieldrin	7.772	8.393	8464	3227433	0.053	26.953 #
14) Endrin	7.971	8.607f	6107470	30220	49.508	0.350 #
15) 4,4'-DDD	7.971f	8.681	6107470	17277	50.307	0.183 #
16) Endosulfa...	0.000	8.763	0	127835	N.D.	1.394 #
17) 4,4'-DDT	8.206	8.943f	33798	13486	0.486	0.317 #
18) Endrin Al...	8.395	8.999f	243791	39130	2.147	0.246 #
19) Endosulfa...	8.713	9.251f	22310	7903	0.185	0.094 #
20) Methoxychlor	8.548	9.396	25189	3766	0.652	0.191 #
21) Endrin Ke...	8.878f	9.614	106906	9508	0.742	0.099 #
23) Hexachlor...	3.149	3.546	12481	22331	2108.630	837.942 #
24) Hexachlor...	5.762	6.363	30354	14912	0.025	2197.492 #
25) Oxychlorane	0.000	7.833	0	4183	N.D.	3277.695 #
26) 2,4'-DDE	0.000	8.037	0	5204	N.D.	2144.915 #
27) trans-Non...	7.504	0.000	16404	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.393f	0	3227433	N.D.	48.932 #
29) 2,4'-DDT	7.882	8.607f	6909	30220	0.092	0.563 #
30) cis-Nonac...	7.971	8.681	6107470	17277	39.455	2549.411 #
31) Mirex	8.687f	9.614	24424	9508	7125.637	3567.388 #
32) Chlordane...	7.559	8.184f	15814	9575	0.896	0.662 #
33) Chlordane...	7.613f	8.279	7326	4802	0.354	0.388 #
34) Chlordane...	8.206	8.943	33798	13486	6.352	BelowCal #
35) Chlordane...	0.000	3.775	0	5980	N.D.	NoCal
36) Toxaphene...	7.613	0.000	7326	0	8.801	N.D. #
37) Toxaphene...	0.000	8.824f	0	70807	N.D.	51.909 #
38) Toxaphene...	8.224	0.000	32807	0	10.547	N.D. #
39) Toxaphene...	8.469	8.943	31603	13486	5.253	BelowCal #
40) Toxaphene...	8.713	9.136	22310	8265	9.473	1.300 #
41) Toxaphene...	8.786	0.000	68857	0	22.699	N.D. #
42) Toxaphene...	0.000	3.775	0	5980	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\2020-05\0E13040\
Data File : ECD3-05132011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:12
Operator : MJB
Sample : A0D0763-09RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 14:29
 Operator : MJB
 Sample : A0D0763-10RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 14:12:08 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

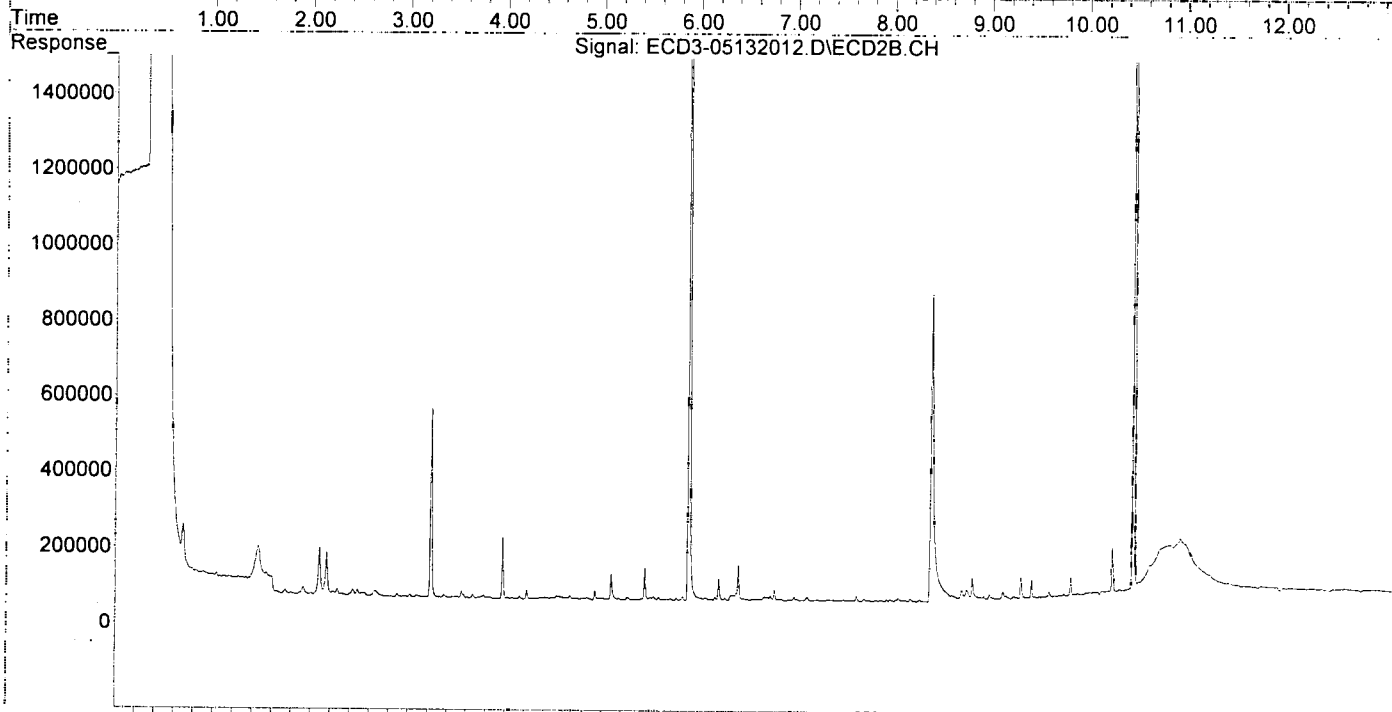
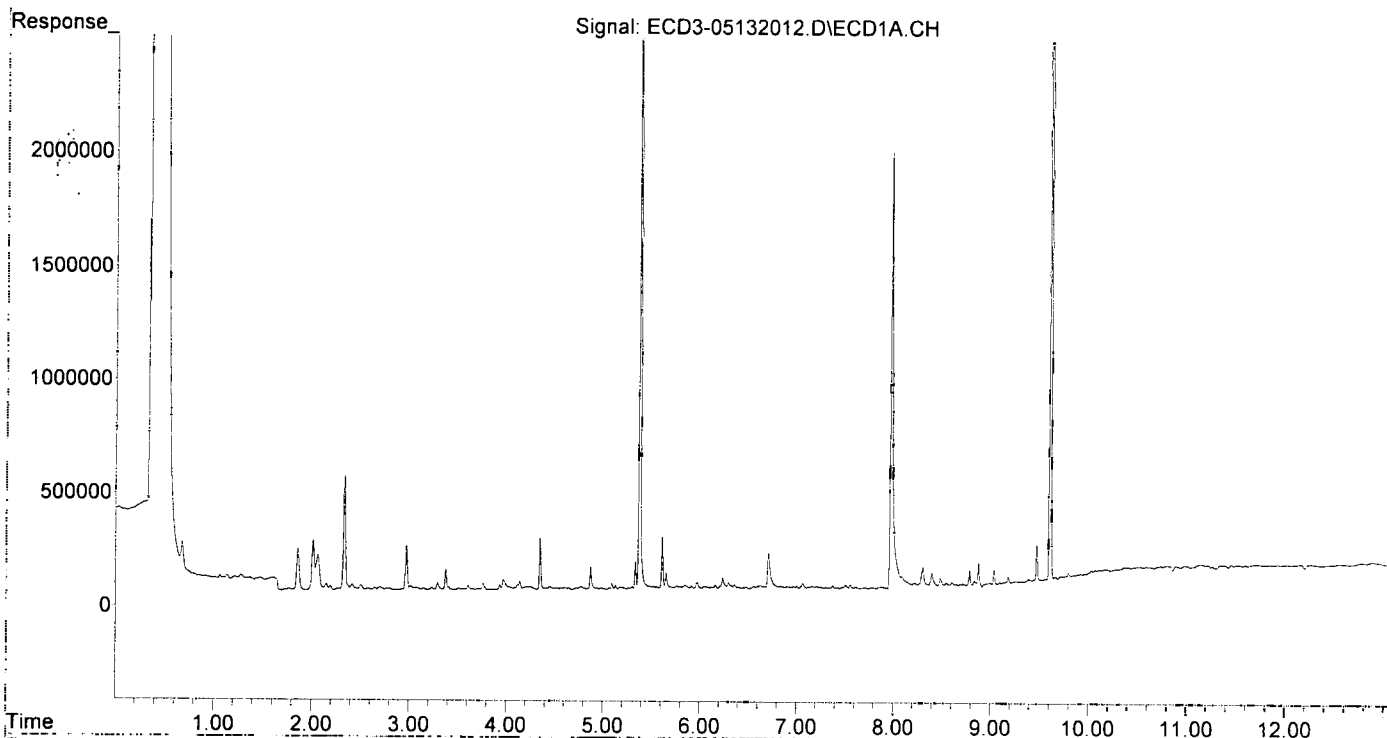
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	3365325	2661270	22.722	23.539
22) S DCBP (S)	9.609	10.471	4769911	3077847	43.296	46.308
Target Compounds						
2) a-BHC	5.916	0.000	13107	0	0.065	N.D. #
3) g-BHC	6.238f	6.783f	46849	26486	0.271	0.197
4) b-BHC	6.299	0.000	26205	0	0.384	N.D. #
5) Heptachlor	6.603	0.000	11255	0	0.069	N.D. #
6) d-BHC	0.000	7.122f	0	9645	N.D.	0.079 #
7) Aldrin	6.835f	0.000	8974	0	0.054	N.D. #
8) Heptachlo...	0.000	7.943f	0	5991	N.D.	0.051 #
9) trans-Chl...	0.000	8.038	0	4752	N.D.	0.039 #
10) cis-Chlor...	7.506	8.186f	12704	6969	0.081	0.060
11) Endosulfa...	0.000	8.186	0	6969	N.D.	0.065 #
12) 4,4'-DDE	7.560f	8.280	14217	4375	0.099	0.038 #
13) Dieldrin	0.000	8.399	0	806650	N.D.	6.737 #
14) Endrin	7.974f	8.618	1922007	13050	15.580	0.151 #
15) 4,4'-DDD	7.998	8.716f	375847	25976	3.096m	0.275 #
16) Endosulfa...	8.092	8.768	51427	26401	0.425	0.288
17) 4,4'-DDT	8.222	8.912	21488	6325	0.343	0.186m#
18) Endrin Al...	8.398	9.002f	63497	12324	0.393	3407.055 #
19) Endosulfa...	8.715	9.251f	13472	6287	0.112	0.075
20) Methoxychlor	8.549	9.433f	19121	45821	0.505	1.816 #
21) Endrin Ke...	8.929f	9.611	10188	13587	0.071	0.142 #
23) Hexachlor...	0.000	3.547	0	16078	N.D.	837.980 #
24) Hexachlor...	5.762	6.360	14701	11121	BelowCal	2197.526
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.506	0.000	12704	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.399	0	806650	N.D.	11.867 # ²⁰¹
29) 2,4'-DDT	7.883	8.618f	6176	13050	0.082	0.243 #
30) cis-Nonac...	7.974	8.716f	1922007	25976	12.328	2549.336 #
31) Mirex	0.000	9.611	0	13587	N.D.	3567.328 #
32) Chlordane...	7.560f	8.186f	14217	6969	0.805	0.482 #
33) Chlordane...	0.000	8.280	0	4375	N.D.	0.354 #
34) Chlordane...	8.222f	8.943	21488	8293	4.039	BelowCal #
35) Chlordane...	0.000	3.776	0	6258	N.D.	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.825f	0	57046	N.D.	41.821 #
38) Toxaphene...	8.222	0.000	21488	0	6.908	N.D. #
39) Toxaphene...	8.486	8.943	39155	8293	7.952	BelowCal #
40) Toxaphene...	8.715	9.140	13472	17570	5.720	6.444
41) Toxaphene...	8.786	9.545f	74709	2127	24.628	1.051 #
42) Toxaphene...	0.000	3.776	0	6258	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\2020-05\0E13040\
Data File : ECD3-05132012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:29
Operator : MJB
Sample : A0D0763-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

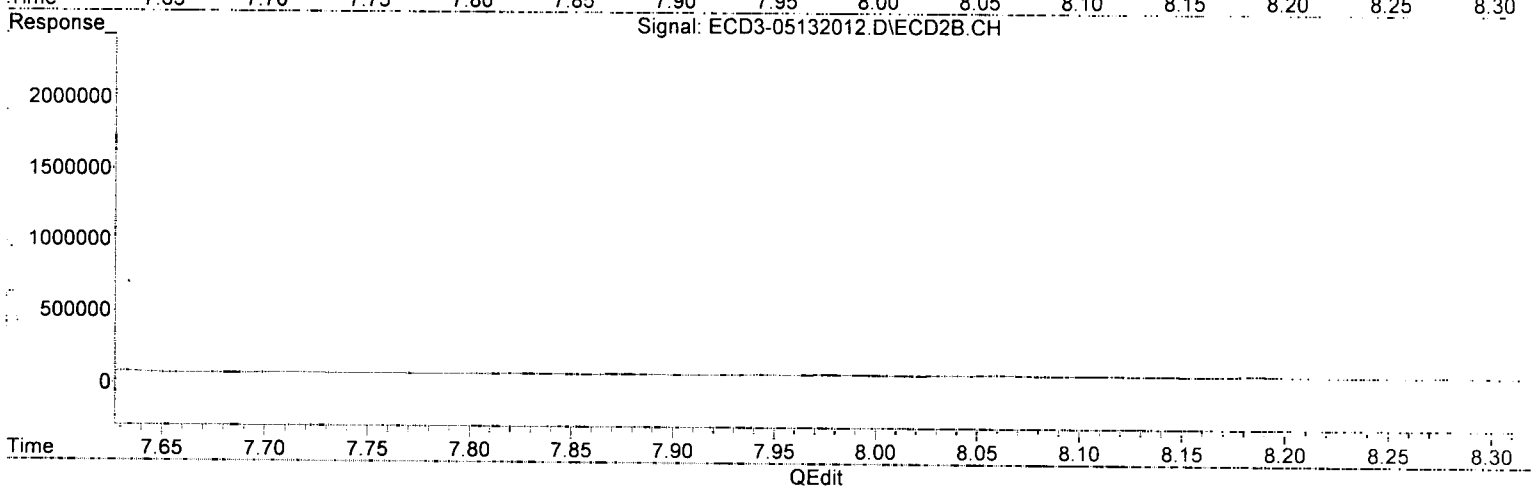
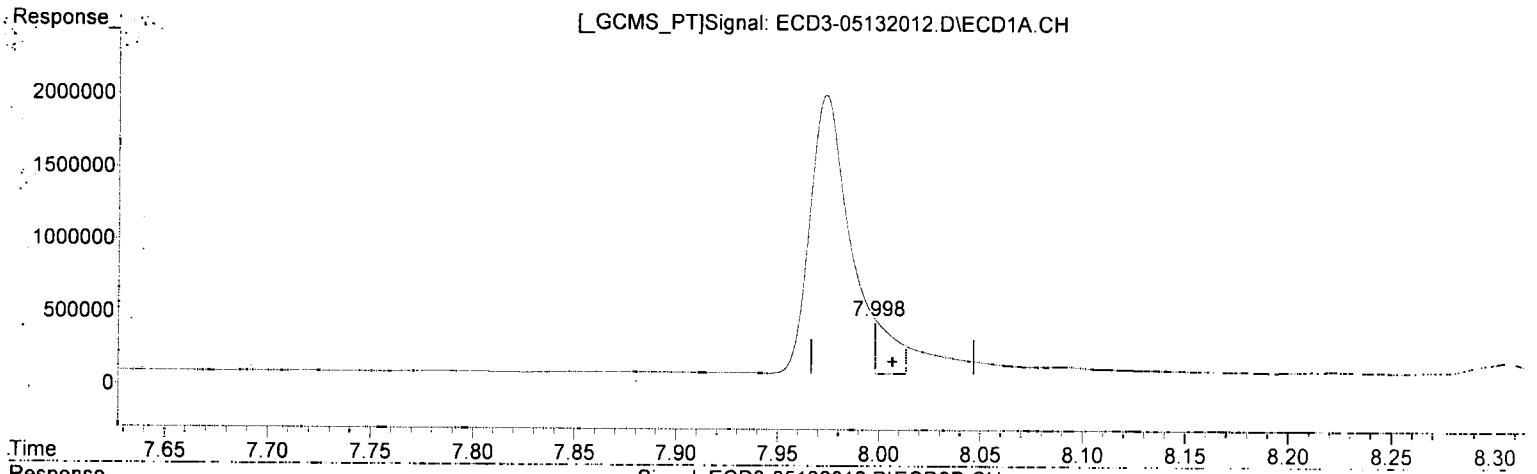
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:12:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:29
Operator : MJB
Sample : A0D0763-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.998min 3.096 ng/mL (m)
response 375847

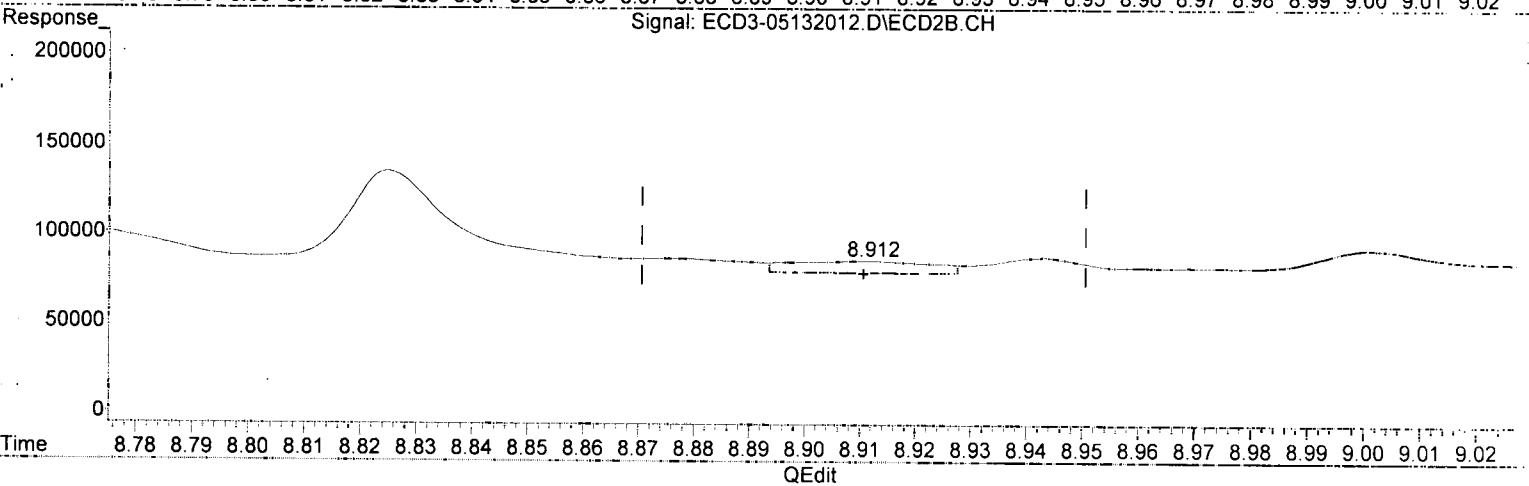
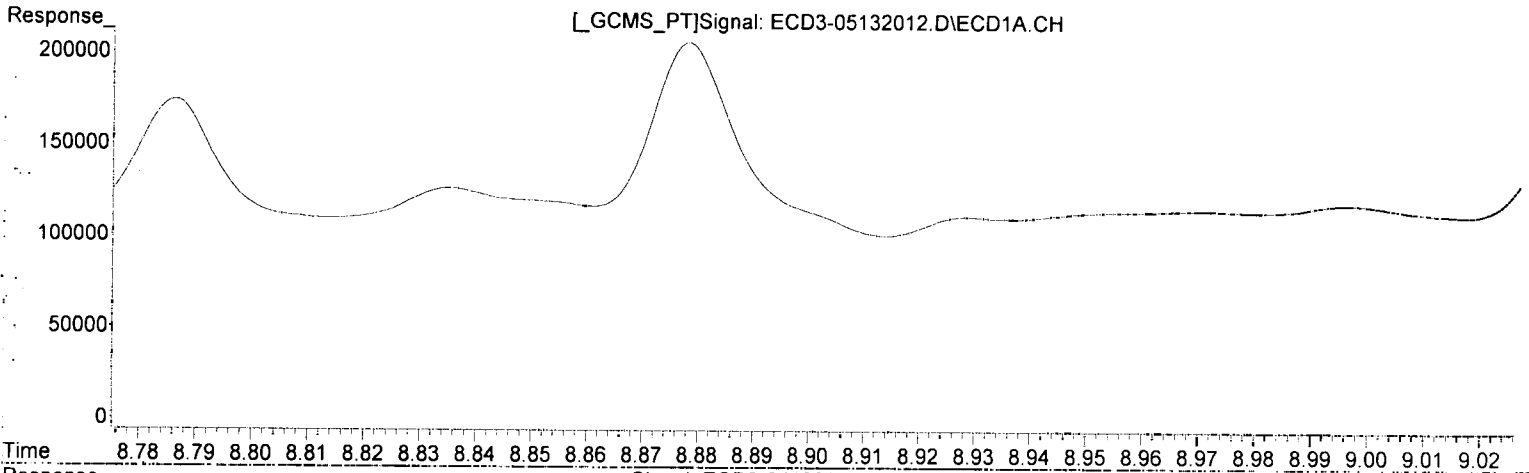
MJB
5/14/20

(15) 4,4'-DDD #2
8.716min 0.275 ng/mL
response 25976

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:29
Operator : MJB
Sample : A0D0763-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.222min 0.343 ng/mL
response 21488

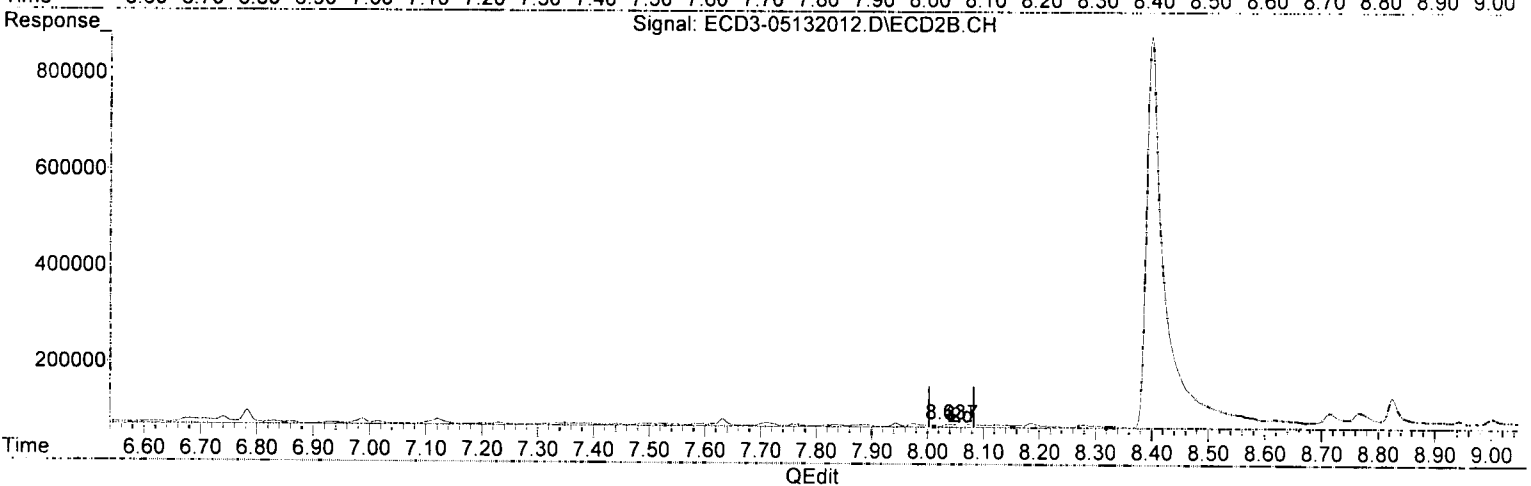
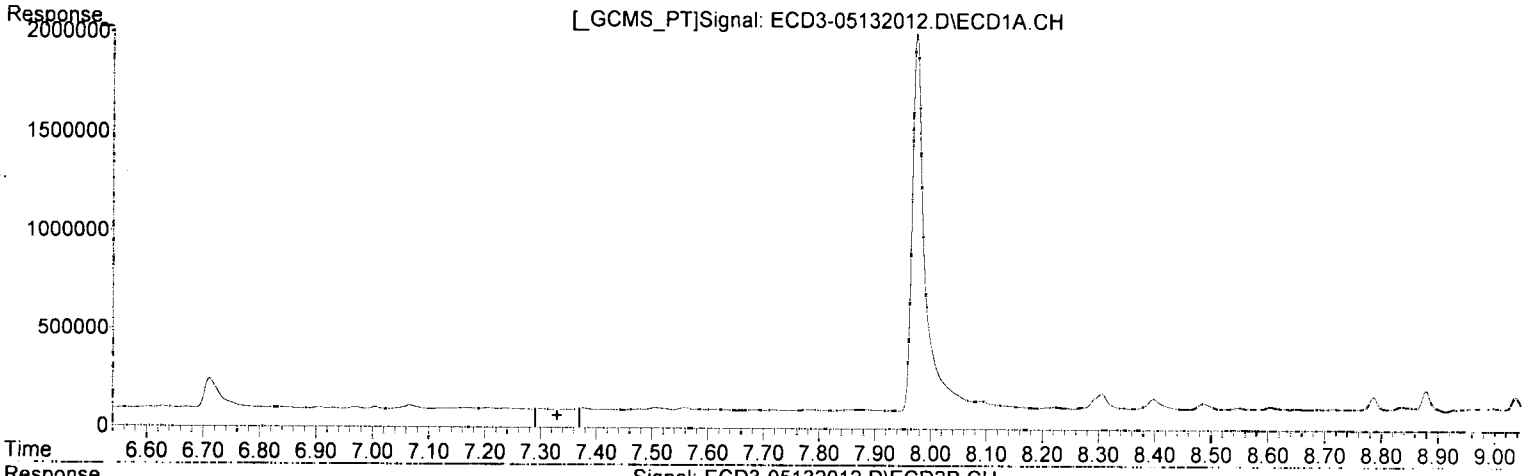
MJB 5/14/20

(17) 4,4'-DDT #2
8.912min 0.186 ng/mL (m)
response 6325

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:29
Operator : MJB
Sample : A0D0763-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

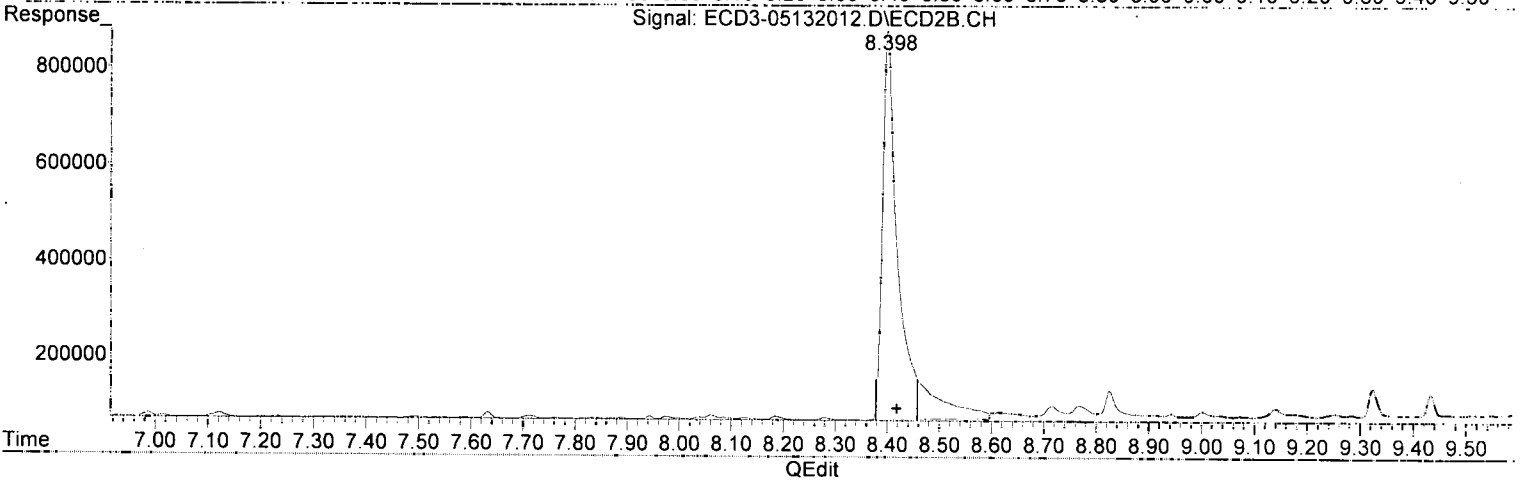
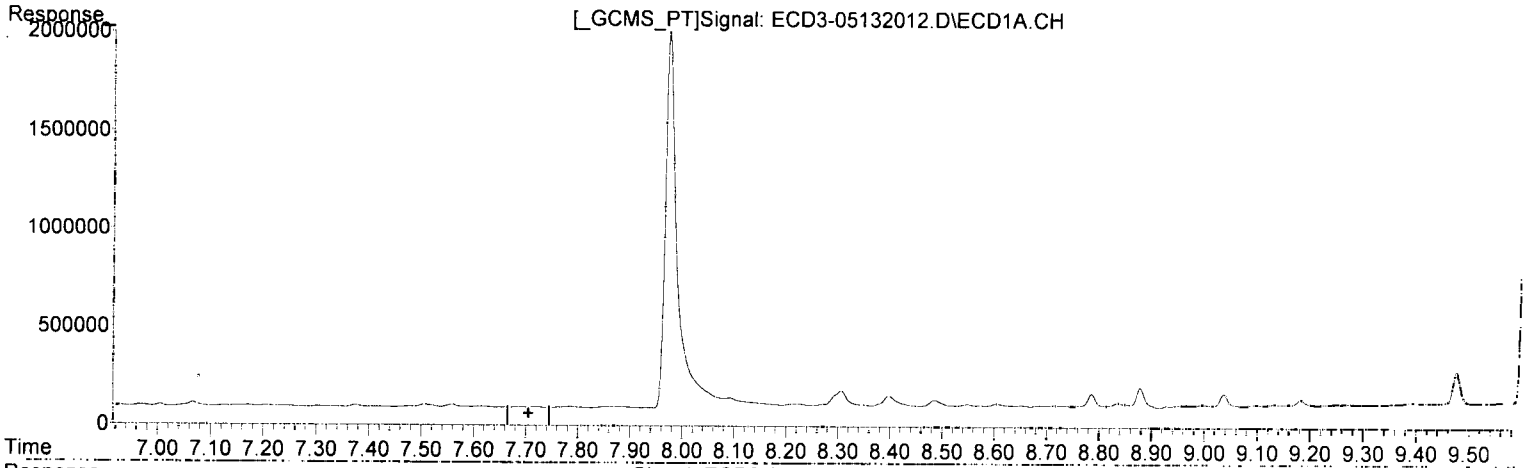
MJB
5/14/20

(26) 2,4'-DDE #2
8.038min 2144.821 ng/mL *Q-201*
response 4752

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:29
Operator : MJB
Sample : A0D0763-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

MJB 5/14/20

(28) 2,4'-DDD #2
8.399min 11.867 ng/mL *7-91*
response 806650

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 14:29
 Operator : MJB
 Sample : AOD0763-10RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:23 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
MJB
4/15/20
5/14/20

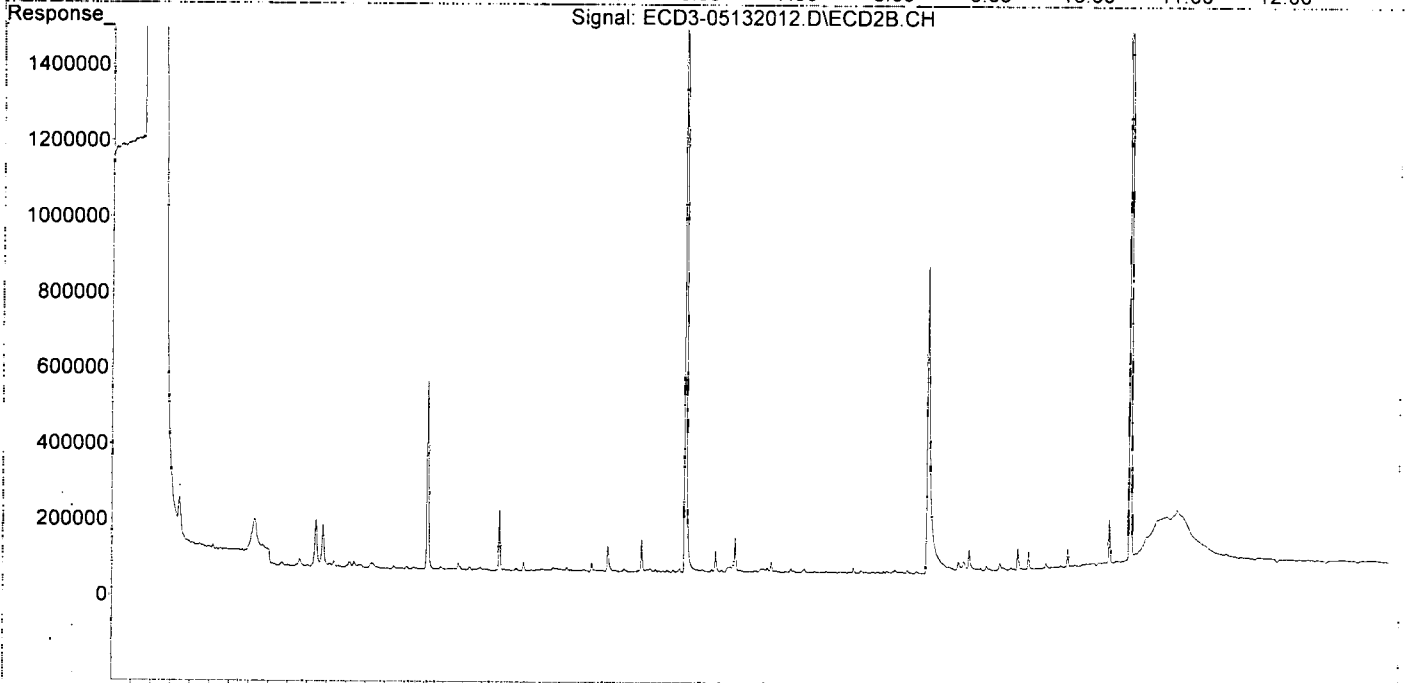
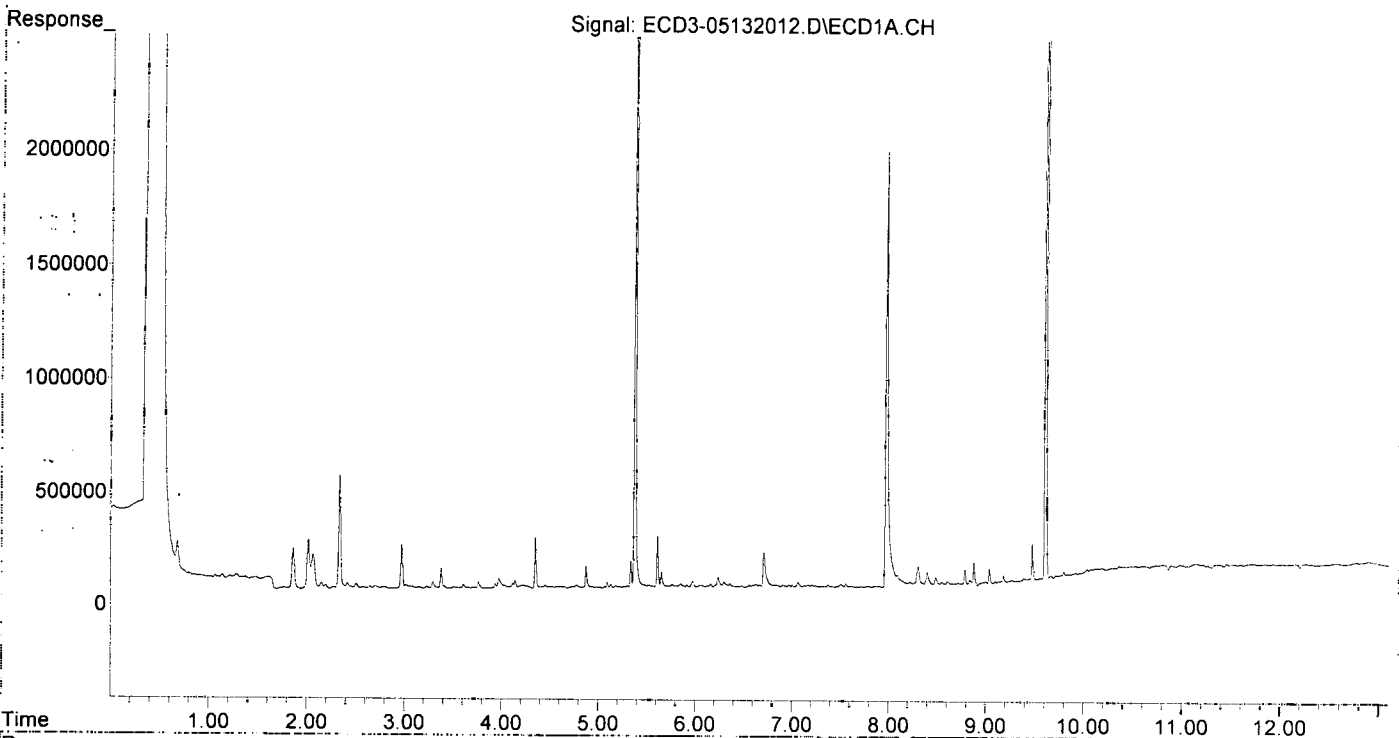
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	3365325	2661270	22.722	23.539
22) S DCBP (S)	9.609	10.471	4769911	3077847	43.296	46.308
Target Compounds						
2) a-BHC	5.916	0.000	13107	0	0.065	N.D. #
3) g-BHC	6.238f	6.783f	46849	26486	0.271	0.197
4) b-BHC	6.299	0.000	26205	0	0.384	N.D. #
5) Heptachlor	6.603	0.000	11255	0	0.069	N.D. #
6) d-BHC	0.000	7.122f	0	9645	N.D.	0.079 #
7) Aldrin	6.835f	0.000	8974	0	0.054	N.D. #
8) Heptachlo...	0.000	7.943f	0	5991	N.D.	0.051 #
9) trans-Chl...	0.000	8.038	0	4752	N.D.	0.039 #
10) cis-Chlor...	7.506	8.186f	12704	6969	0.081	0.060
11) Endosulfa...	0.000	8.186	0	6969	N.D.	0.065 #
12) 4,4'-DDE	7.560f	8.280	14217	4375	0.099	0.038 #
13) Dieldrin	0.000	8.399	0	806650	N.D.	6.737 #
14) Endrin	7.974f	8.618	1922007	13050	15.580	0.151 #
15) 4,4'-DDD	7.974f	8.716f	1922007	25976	15.831	0.275 #
16) Endosulfa...	8.092	8.768	51427	26401	0.425	0.288
17) 4,4'-DDT	8.222	8.943f	21488	8293	0.343	0.222
18) Endrin Al...	8.398	9.002f	63497	12324	0.393	3407.055 #
19) Endosulfa...	8.715	9.251f	13472	6287	0.112	0.075
20) Methoxychlor	8.549	9.433f	19121	45821	0.505	1.816 #
21) Endrin Ke...	8.929f	9.611	10188	13587	0.071	0.142 #
23) Hexachlor...	0.000	3.547	0	16078	N.D.	837.980 #
24) Hexachlor...	5.762	6.360	14701	11121	BelowCal	2197.526
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.038	0	4752	N.D.	2144.921 #
27) trans-Non...	7.506	0.000	12704	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.399	0	806650	N.D.	11.867 #
29) 2,4'-DDT	7.883	8.618f	6176	13050	0.082	0.243 #
30) cis-Nonac...	7.974	8.716f	1922007	25976	12.328	2549.336 #
31) Mirex	0.000	9.611	0	13587	N.D.	3567.328 #
32) Chlordane...	7.560f	8.186f	14217	6969	0.805	0.482 #
33) Chlordane...	0.000	8.280	0	4375	N.D.	0.354 #
34) Chlordane...	8.222f	8.943	21488	8293	4.039	BelowCal #
35) Chlordane...	0.000	3.776	0	6258	N.D.	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.825f	0	57046	N.D.	41.821 #
38) Toxaphene...	8.222	0.000	21488	0	6.908	N.D. #
39) Toxaphene...	8.486	8.943	39155	8293	7.952	BelowCal #
40) Toxaphene...	8.715	9.140	13472	17570	5.720	6.444
41) Toxaphene...	8.786	9.545f	74709	2127	24.628	1.051 #
42) Toxaphene...	0.000	3.776	0	6258	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\2020-05\0E13040\
Data File : ECD3-05132012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:29
Operator : MJB
Sample : AOD0763-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 14:46
 Operator : MJB
 Sample : A0D0763-11RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 14:15:31 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJP
5/14/20

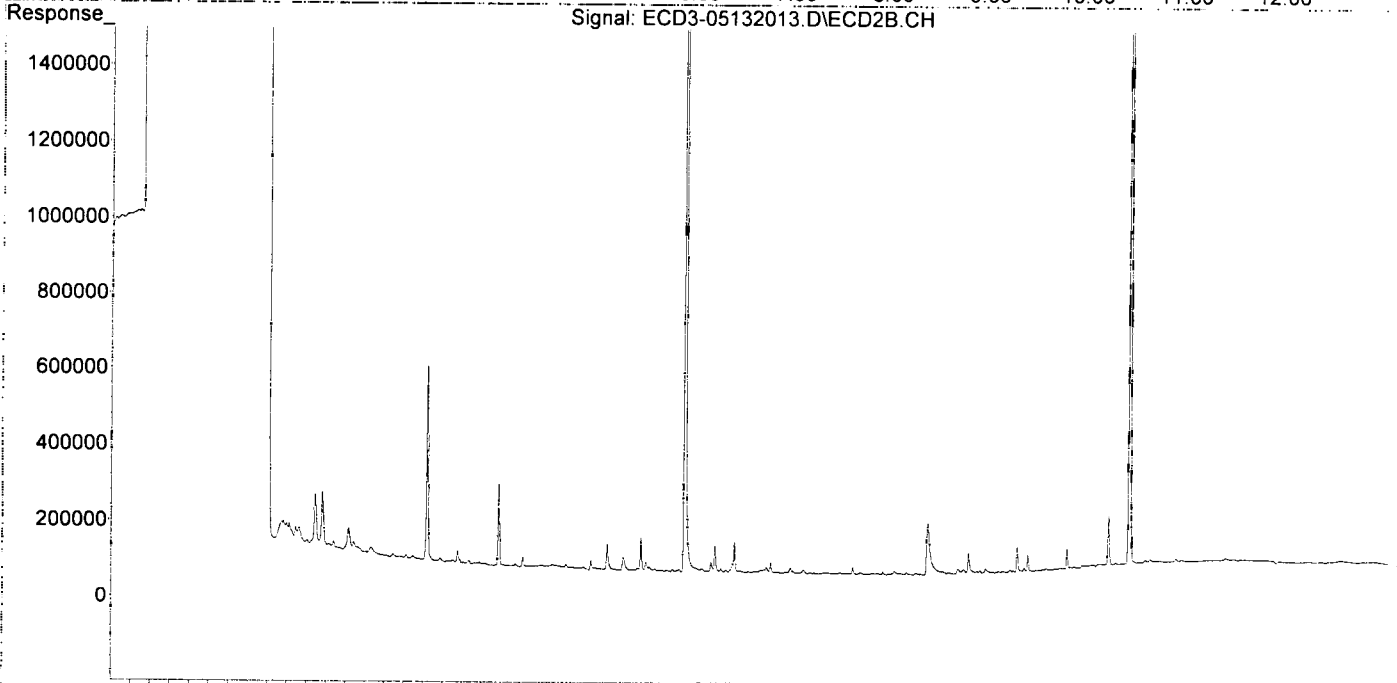
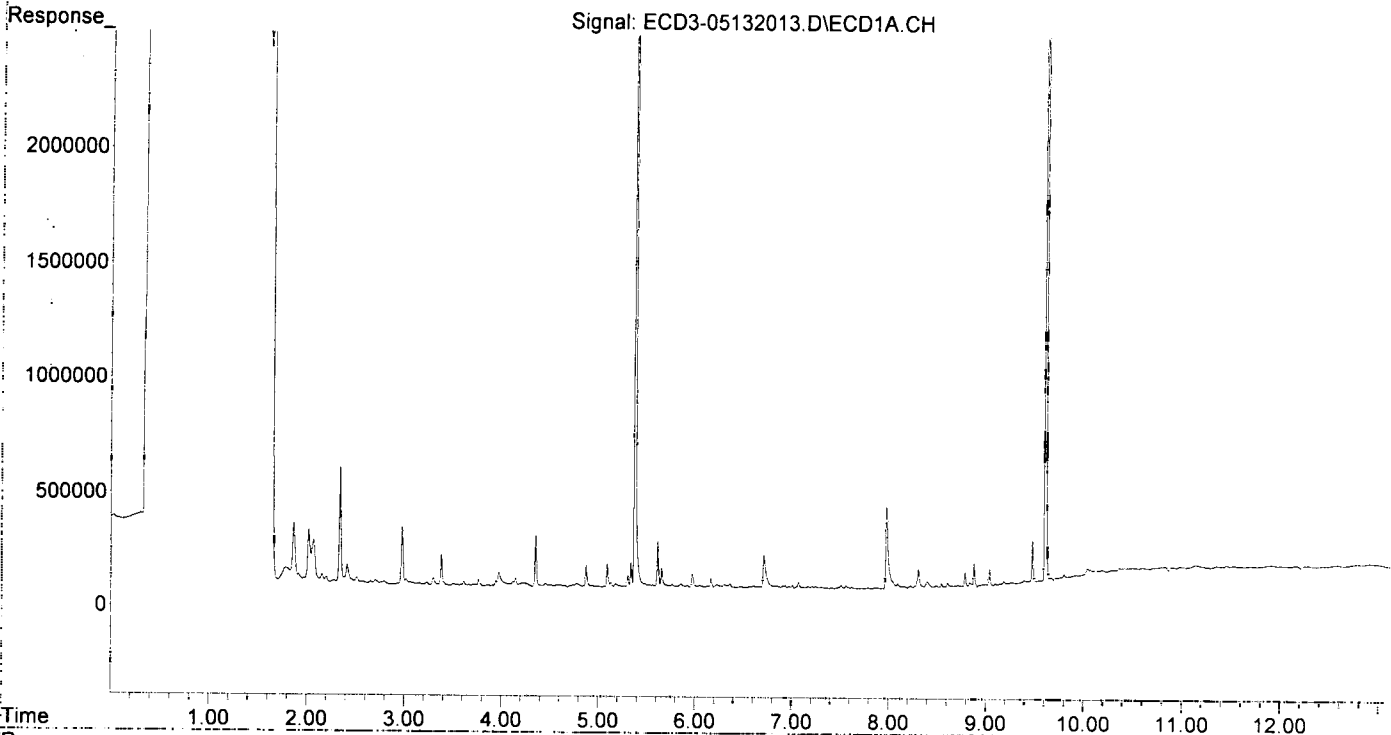
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	4506374	3417319	30.426	30.377
22) S DCBP (S)	9.609	10.471	5258371	3387666	47.746	51.104
Target Compounds						
2) a-BHC	5.917	0.000	8143	0	0.040	N.D. #
3) g-BHC	6.224f	6.782f	10552	25565	0.061	0.190 #
4) b-BHC	6.303f	0.000	13051	0	0.191	N.D. #
5) Heptachlor	6.603	0.000	7400	0	0.045	N.D. #
6) d-BHC	0.000	7.123f	0	8868	N.D.	0.073 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	7.943f	0	6173	N.D.	0.052 #
9) trans-Chl...	0.000	8.062	0	8319	N.D.	0.069 #
10) cis-Chlor...	7.508	8.186f	11776	5197	0.075	0.045 #
11) Endosulfa...	0.000	8.186	0	5197	N.D.	0.048 #
12) 4,4'-DDE	7.561f	8.282	11576	3981	0.080	0.035 #
13) Dieldrin	0.000	8.405	0	134562	N.D.	1.124 #
14) Endrin	7.977f	0.000	358697	0	2.908	N.D. #
15) 4,4'-DDD	7.998	8.693	110986	3815	0.914m	0.040m#
16) Endosulfa...	8.093	8.776	20387	8827	0.168	0.096 #
17) 4,4'-DDT	8.224	8.911	9279	3272	0.201	0.130
18) Endrin Al...	8.398	9.002	27207	9771	0.040	3407.087 #
19) Endosulfa...	8.716	9.251f	8702	6298	0.072	0.075
20) Methoxychlor	8.543	9.395	18447	9437	0.488	0.411
21) Endrin Ke...	8.928f	9.620	8032	4436	0.056	0.046
23) Hexachlor...	0.000	3.546	0	30218	N.D.	837.894 #
24) Hexachlor...	5.761	6.363	8371	5596	BelowCal	2197.577
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	0.000	0	0	N.D.	N.D. d
27) trans-Non...	7.508	0.000	11776	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.405	0	134562	N.D.	1.731 # ^{9.0'}
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	7.977	8.718f	358697	10700	2.133	2549.468 #
31) Mirex	8.651	9.590	7576	3693	7125.807	3567.474 #
32) Chlordane...	7.561f	8.186f	11576	5197	0.656	0.359 #
33) Chlordane...	0.000	8.282	0	3981	N.D.	0.322 #
34) Chlordane...	8.162f	8.943	9550	6005	1.795	BelowCal #
35) Chlordane...	0.000	3.775	0	4620	N.D.	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.826f	0	52508	N.D.	38.494 #
38) Toxaphene...	8.224	8.911	9279	3272	2.983	1.507 #
39) Toxaphene...	8.491	8.943	8783	6005	BelowCal	BelowCal
40) Toxaphene...	8.716	0.000	8702	0	3.695	N.D. #
41) Toxaphene...	8.786	9.546f	64701	2143	21.329	1.059 #
42) Toxaphene...	0.000	3.775	0	4620	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\2020-05\0E13040\
Data File : ECD3-05132013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:46
Operator : MJB
Sample : A0D0763-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

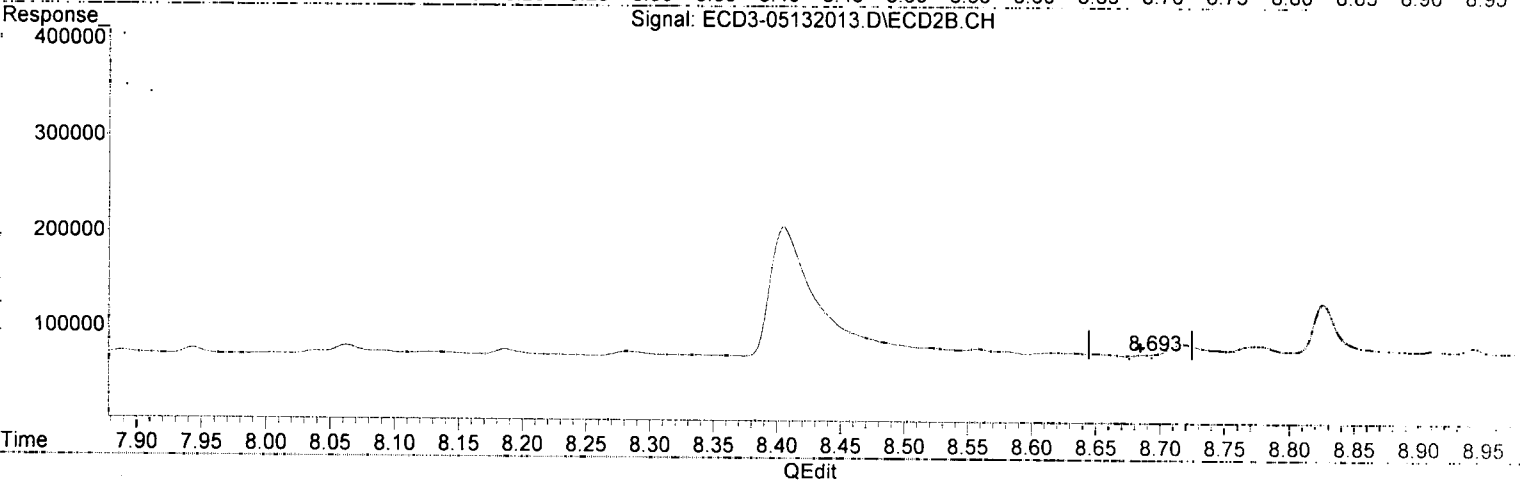
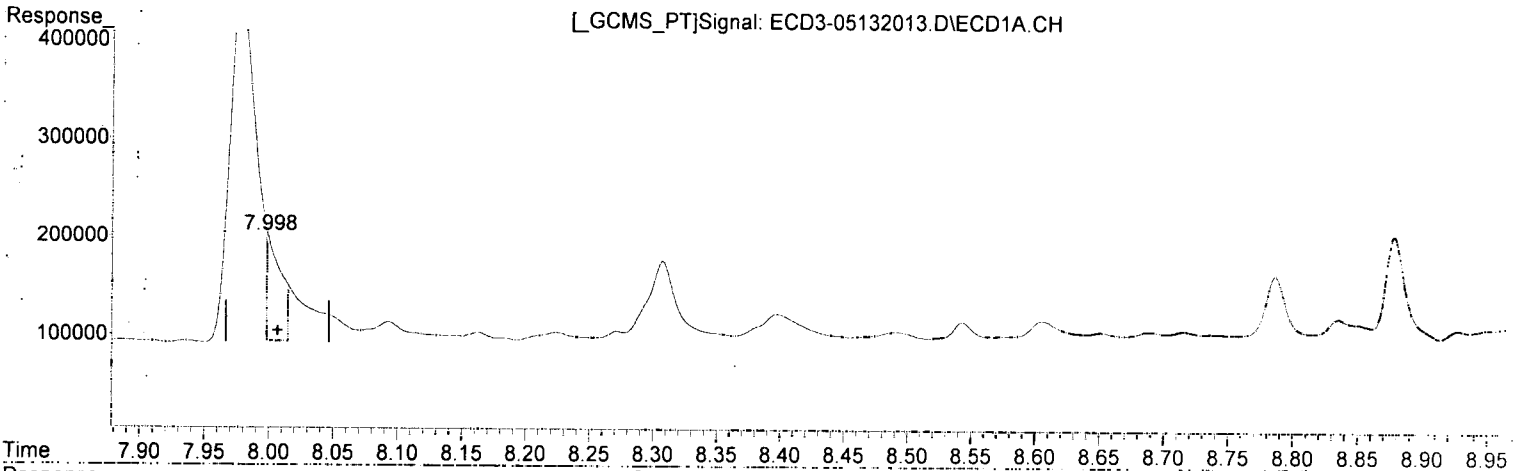
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:15:31 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:46
Operator : MJB
Sample : A0D0763-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.998min 0.914 ng/mL(m)
response 110986

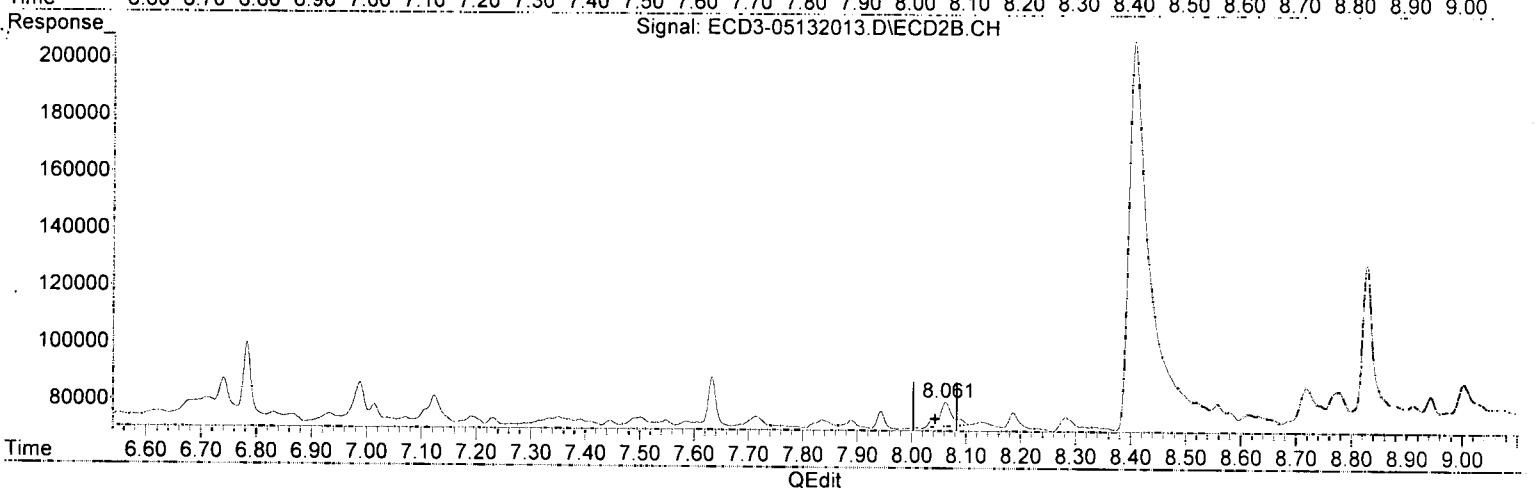
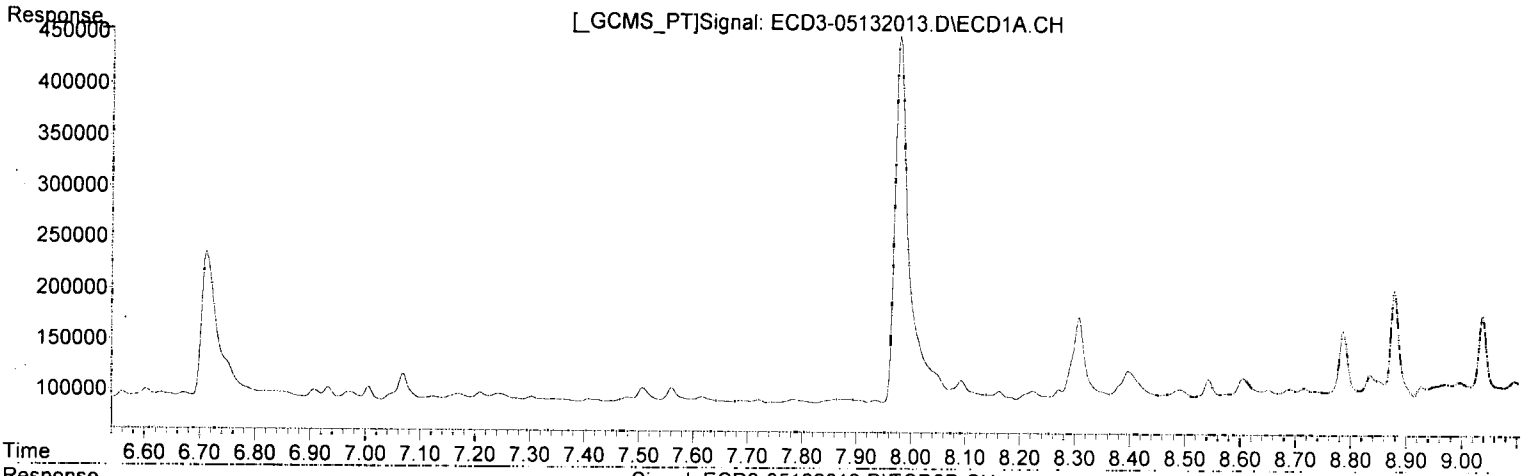
MJB
5/14/20

(15) 4,4'-DDD #2
8.693min 0.040 ng/mL(m)
response 3815

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:46
Operator : MJB
Sample : AOD0763-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

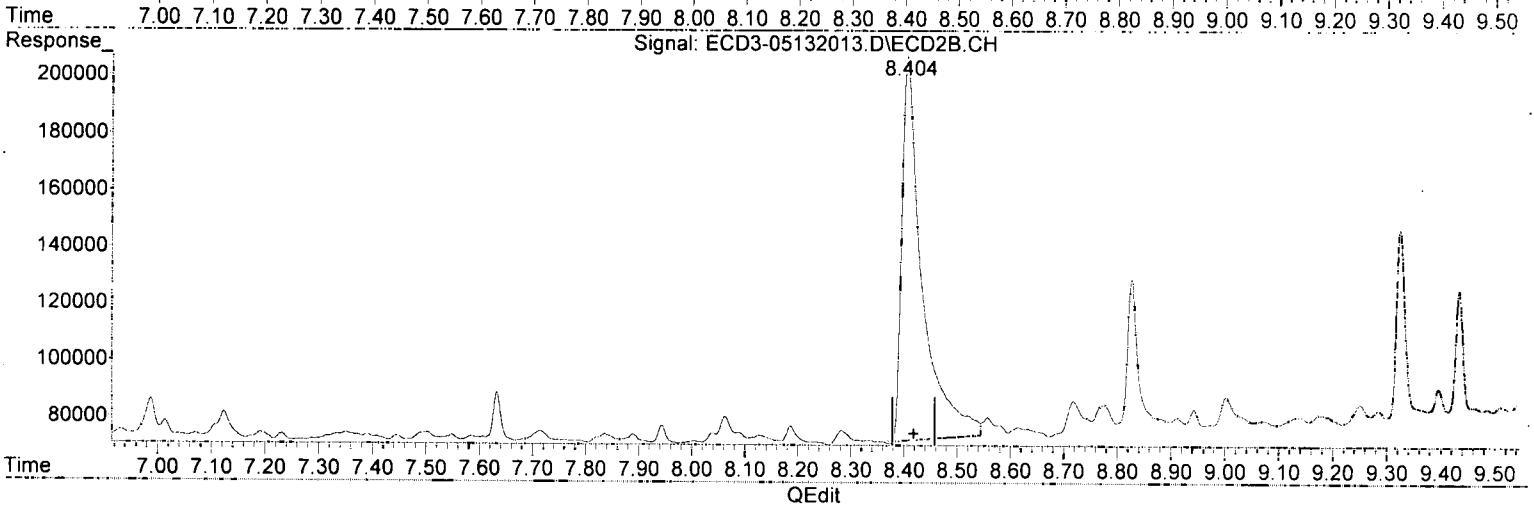
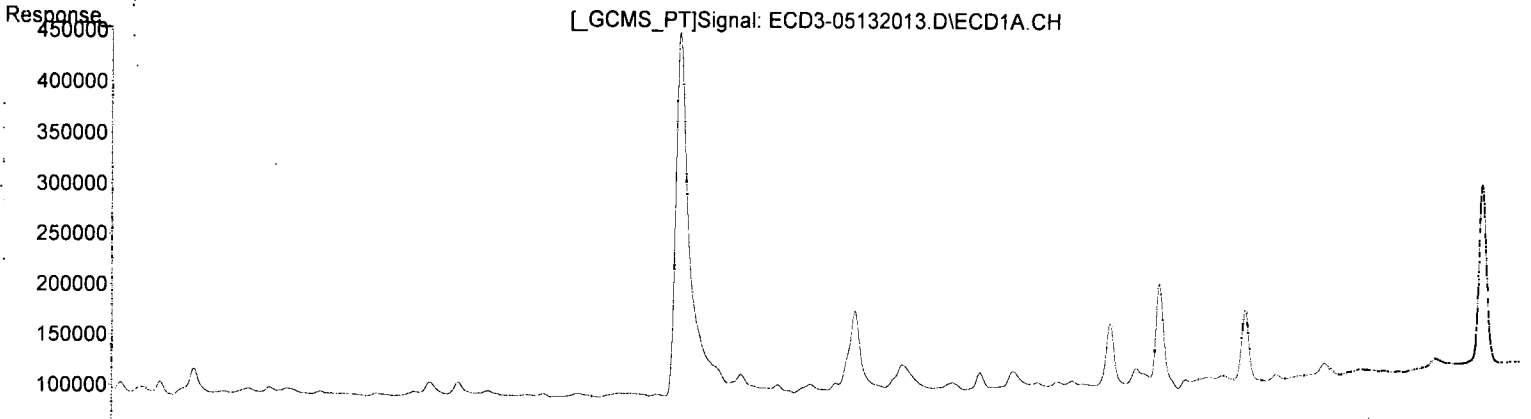
MJB
5/14/20

(26) 2,4'-DDE #2
8.062min 2144.875 ng/mL *Q-061*
response 8319

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:46
Operator : MJB
Sample : AOD0763-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
0.000min 0.000 ng/mL
response 0

MJB
5/14/20

(28) 2,4'-DDD #2
8.405min 1.731 ng/mL *7.01*
response 134562

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 14:46
 Operator : MJB
 Sample : A0D0763-11RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:27 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

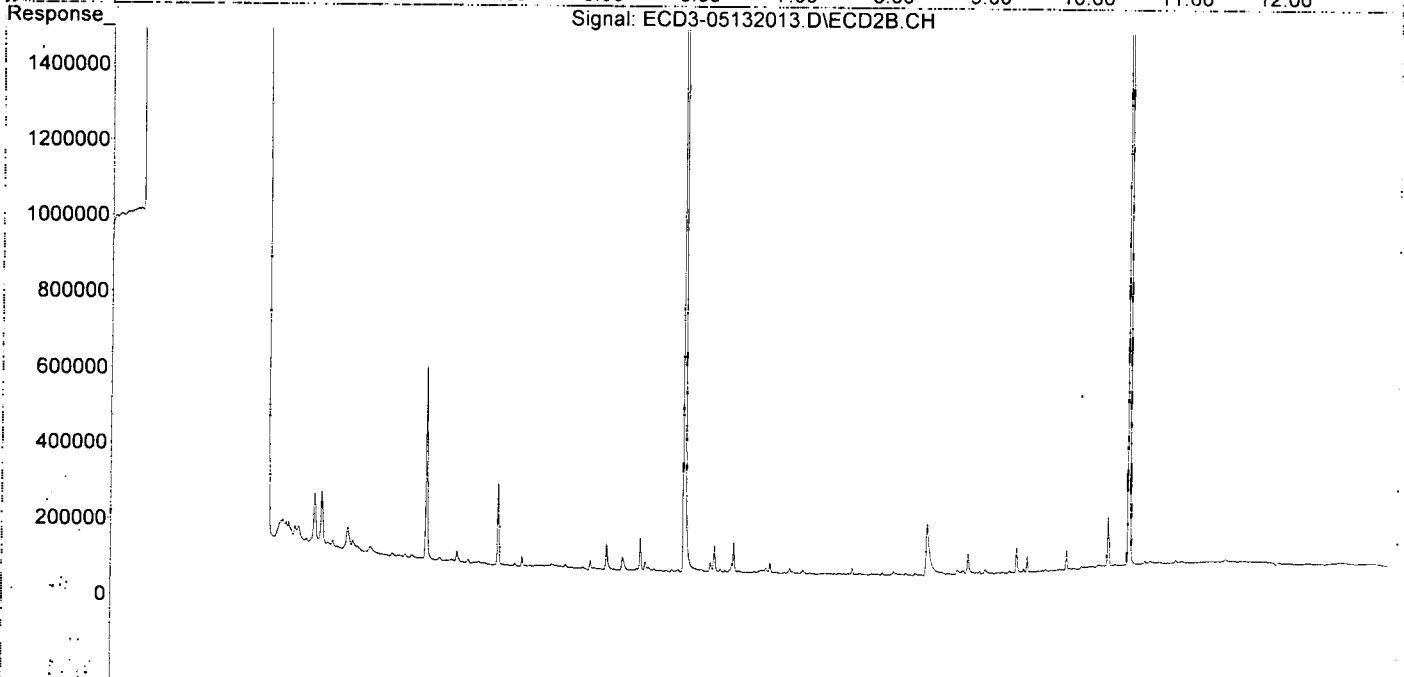
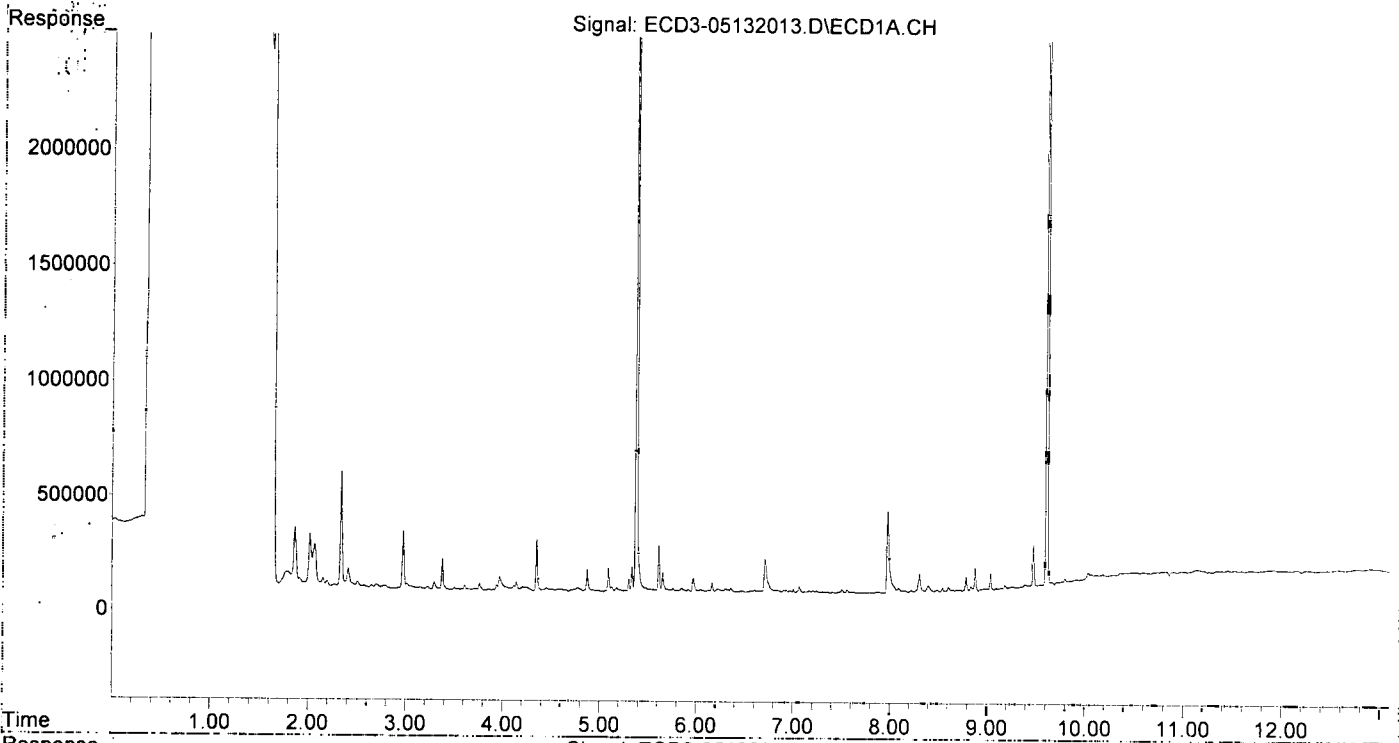
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	4506374	3417319	30.426	30.377
22) S DCBP (S)	9.609	10.471	5258371	3387666	47.746	51.104
Target Compounds						
2) a-BHC	5.917	0.000	8143	0	0.040	N.D. #
3) g-BHC	6.224f	6.782f	10552	25565	0.061	0.190 #
4) b-BHC	6.303f	0.000	13051	0	0.191	N.D. #
5) Heptachlor	6.603	0.000	7400	0	0.045	N.D. #
6) d-BHC	0.000	7.123f	0	8868	N.D.	0.073 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	0.000	7.943f	0	6173	N.D.	0.052 #
9) trans-Chl...	0.000	8.062	0	8319	N.D.	0.069 #
10) cis-Chlor...	7.508	8.186f	11776	5197	0.075	0.045 #
11) Endosulfa...	0.000	8.186	0	5197	N.D.	0.048 #
12) 4,4'-DDE	7.561f	8.282	11576	3981	0.080	0.035 #
13) Dieldrin	0.000	8.405	0	134562	N.D.	1.124 #
14) Endrin	7.977f	0.000	358697	0	2.908	N.D. #
15) 4,4'-DDD	7.977f	8.718f	358697	10700	2.955	0.113 #
16) Endosulfa...	8.093	8.776	20387	8827	0.168	0.096 #
17) 4,4'-DDT	8.224	8.911	9279	3272	0.201	0.130 #
18) Endrin Al...	8.398	9.002	27207	9771	0.040	3407.087 #
19) Endosulfa...	8.716	9.251f	8702	6298	0.072	0.075 #
20) Methoxychlor	8.543	9.395	18447	9437	0.488	0.411 #
21) Endrin Ke...	8.928f	9.620	8032	4436	0.056	0.046 #
23) Hexachlor...	0.000	3.546	0	30218	N.D.	837.894 #
24) Hexachlor...	5.761	6.363	8371	5596	BelowCal	2197.577 #
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.062	0	8319	N.D.	2144.875 #
27) trans-Non...	7.508	0.000	11776	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.405	0	134562	N.D.	1.731 #
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	7.977	8.718f	358697	10700	2.133	2549.468 #
31) Mirex	8.651	9.590	7576	3693	7125.807	3567.474 #
32) Chlordane...	7.561f	8.186f	11576	5197	0.656	0.359 #
33) Chlordane...	0.000	8.282	0	3981	N.D.	0.322 #
34) Chlordane...	8.162f	8.943	9550	6005	1.795	BelowCal #
35) Chlordane...	0.000	3.775	0	4620	N.D.	NoCal
36) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	0.000	8.826f	0	52508	N.D.	38.494 #
38) Toxaphene...	8.224	8.911	9279	3272	2.983	1.507 #
39) Toxaphene...	8.491	8.943	8783	6005	BelowCal	BelowCal #
40) Toxaphene...	8.716	0.000	8702	0	3.695	N.D. #
41) Toxaphene...	8.786	9.546f	64701	2143	21.329	1.059 #
42) Toxaphene...	0.000	3.775	0	4620	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\2020-05\0E13040\
Data File : ECD3-05132013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 14:46
Operator : MJB
Sample : A0D0763-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 15:03
 Operator : MJB
 Sample : 0E13040-CCV3
 Misc : A20C184, 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 14 11:16:31 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

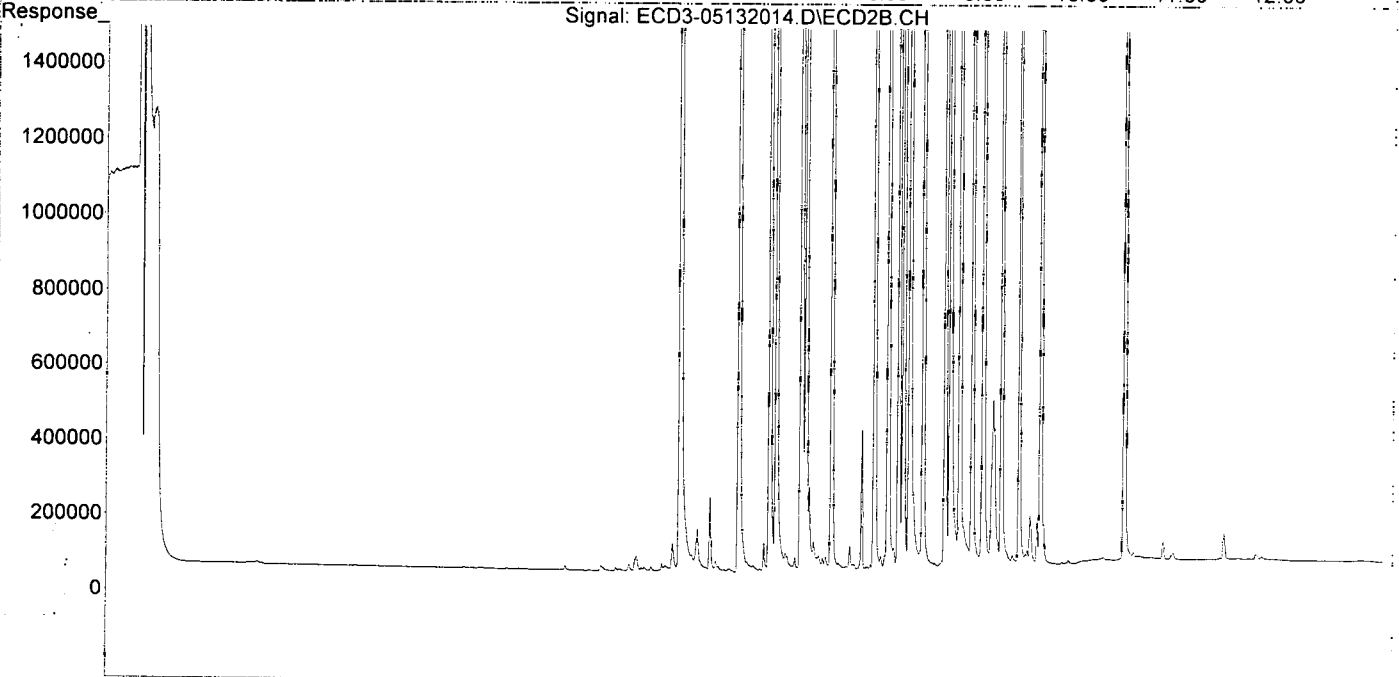
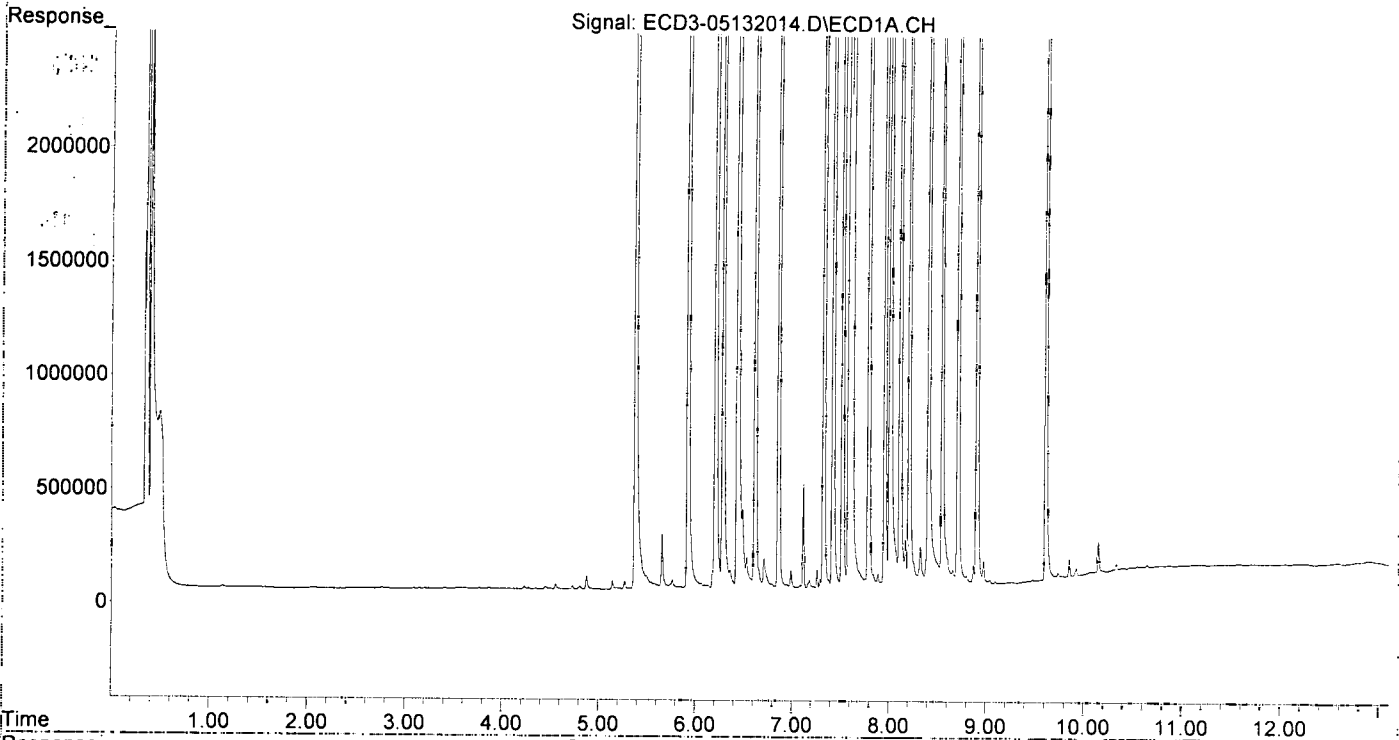
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.894	14595763	10585822	98.549	97.965
22) S DCBP (S)	9.610	10.472	11699377	7573717	106.305	118.110
Target Compounds						
2) a-BHC	5.920	6.504	21997616	15878905	108.741	101.157
3) g-BHC	6.206	6.824	19161625	14110690	110.965	104.737
4) b-BHC	6.281	6.890	7395674	5944956	108.406	96.798
5) Heptachlor	6.616	7.198	19495244	13397175	119.056	118.347
6) d-BHC	6.431	7.147	15811291	12707138	112.642	103.956
7) Aldrin	6.858	7.465	19037791	13836806	113.563	104.117
8) Heptachlo...	7.324	7.907	16503800	12367066	105.534	105.080
9) trans-Chl...	7.419	8.047	16895965	12402690	107.372	102.839
10) cis-Chlor...	7.518	8.156	17003017	12159714	108.320	104.981
11) Endosulfa...	7.616	8.205	15063723	11322166	104.958	105.285
12) 4,4'-DDE	7.583	8.268	14947517	11910274	103.621	103.431
13) Dieldrin	7.789	8.407	17544328	12854212	109.166	107.348
14) Endrin	7.955	8.635	15328902	10425913	124.258	120.601
15) 4,4'-DDD	8.007	8.685	12849702	10036034	105.842	106.352
16) Endosulfa...	8.112	8.784	13286123	9782010	109.757	106.654
17) 4,4'-DDT	8.206	8.913	12592459	8035598	114.595	117.353
18) Endrin Al...	8.406	9.023	11300002	8409190	108.747	107.860
19) Endosulfa...	8.710	9.216	13371111	8921259	111.001	105.981
20) Methoxychlor	8.545	9.397	5855763	4268381	114.889	128.612
21) Endrin Ke...	8.905	9.615	16002351	9918557	111.091	103.669
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.761	0.000	33346	0	0.048	N.D. #
25) Oxychlorane	7.258	7.841	79370	5034	0.414	3277.687 #
26) 2,4'-DDE	7.324	8.047	16503800	12402690	173.461	174.226
27) trans-Non...	7.518	8.108	17003017	54111	117.199	0.271 #
28) 2,4'-DDD	0.000	8.407	0	12854212	N.D.	206.159 #
29) 2,4'-DDT	7.887	8.635	53021	10425913	0.704	194.369 #
30) cis-Nonac...	8.007f	8.685	12849702	10036034	82.642	89.149
31) Mirex	8.658	9.615	62523	9918557	0.262	152.548 #
32) Chlordane...	7.518f	8.156	17003017	12159714	963.318	840.501
33) Chlordane...	7.616	8.268	15063723	11910274	726.942	963.507
34) Chlordane...	8.206	8.913	12592459	8035598	2366.685	2221.536
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.616	0.000	15063723	0	18096.403	N.D. #
37) Toxaphene...	7.955f	0.000	15328902	0	10172.911	N.D. #
38) Toxaphene...	8.206f	8.913	12592459	8035598	4048.546	3702.452
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.710	9.127	13371111	437954	5677.451	237.413 #
41) Toxaphene...	8.800	9.508	35030	129625	11.548	64.044 #
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\2020-05\0E13040\
Data File : ECD3-05132014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:03
Operator : MJB
Sample : 0E13040-CCV3
Misc : A20C184, 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 14 11:16:31 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 15:21
 Operator : MJB
 Sample : 0E13040-CCV4
 Misc : A20C359, 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 14 11:16:35 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

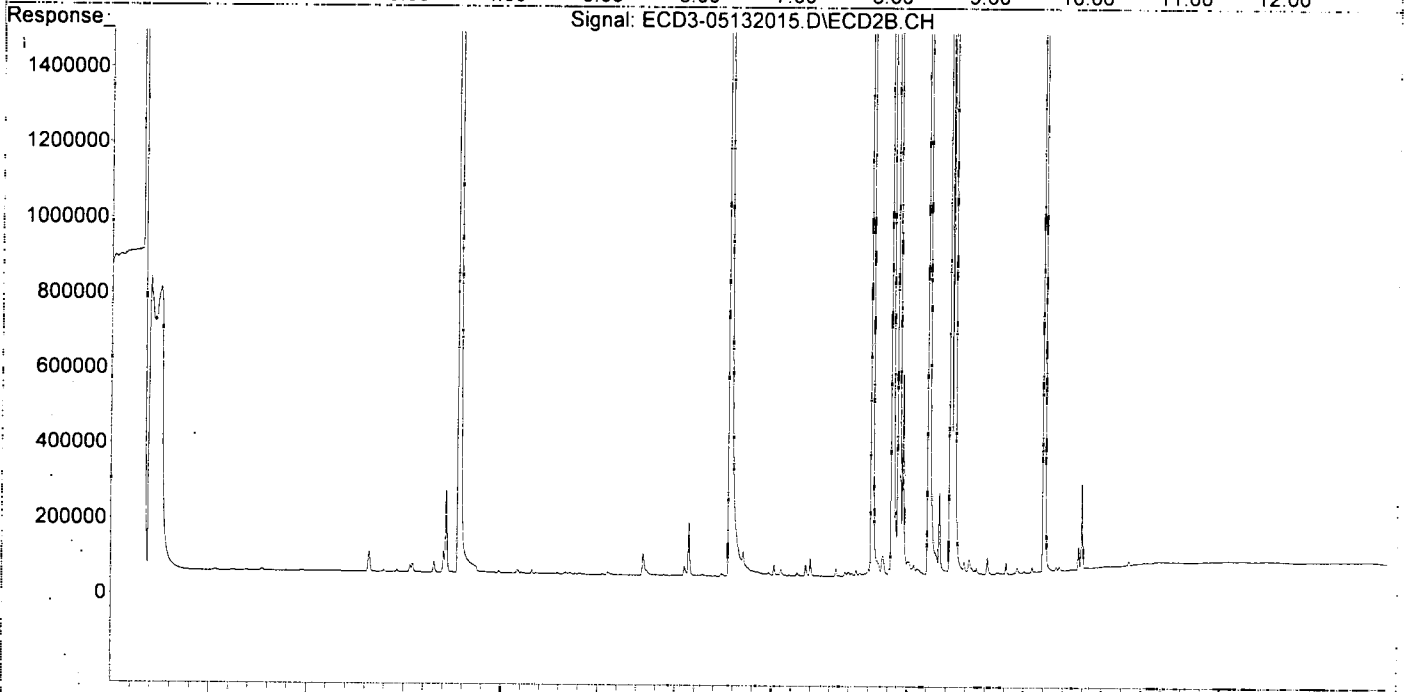
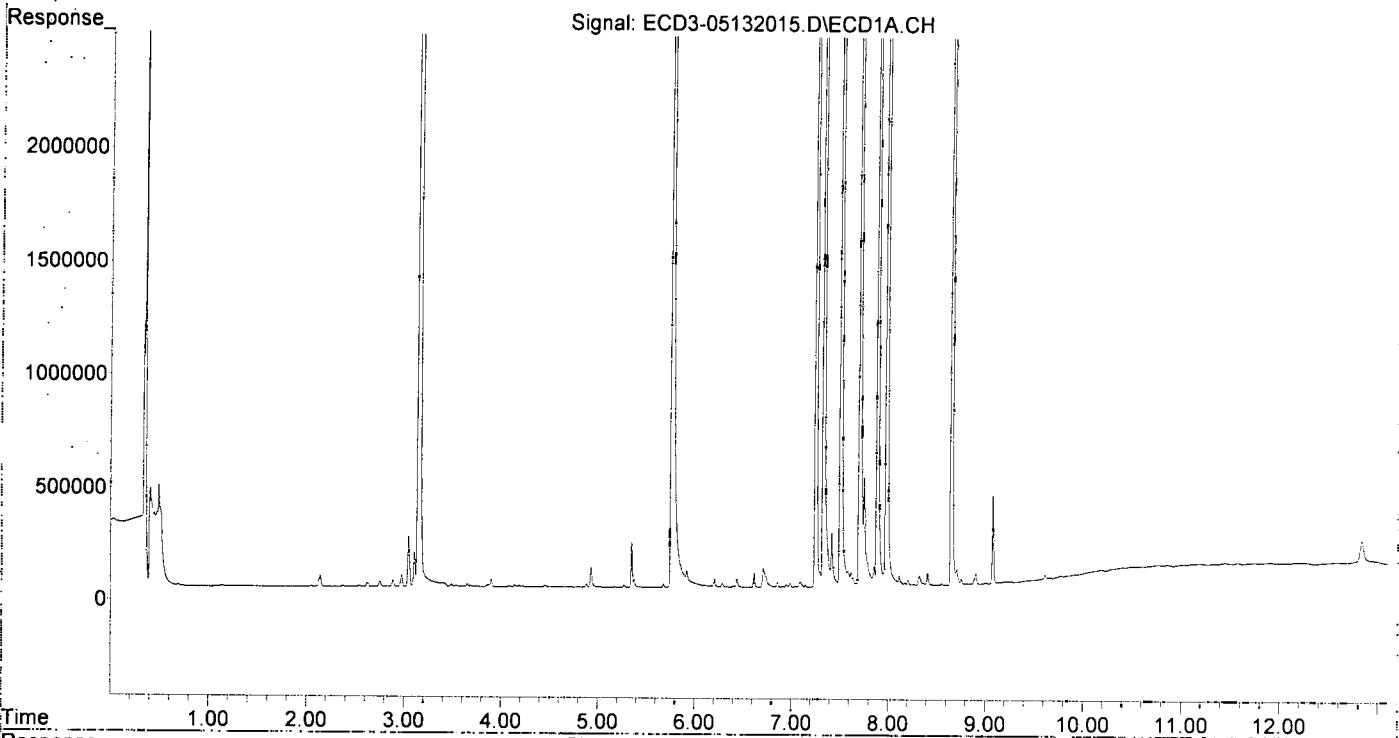
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.896	35718	24800	0.241	0.080 #
22) S DCBP (S)	9.611	10.472	19655	9855	BelowCal	2279.943
Target Compounds						
2) a-BHC	5.919	6.505	75931	55085	0.375	0.351
3) g-BHC	6.206	6.825	36167	26661	0.209	0.198
4) b-BHC	6.286	6.895	16183	15485	0.237	0.252
5) Heptachlor	6.616	7.198	67302	46983	0.411	0.415
6) d-BHC	6.437	7.150	37867	29919	0.270	0.245
7) Aldrin	6.857	7.465	23822	20223	0.142	0.152
8) Heptachlo...	7.330	7.905	9315981	34274	59.571	0.291 #
9) trans-Chl...	7.419	8.045	241761	7425576	1.536	61.571 #
10) cis-Chlor...	7.509	8.156	15752242	535448	100.352	4.623 #
11) Endosulfa...	7.617	8.206	63051	37109	0.439	0.345
12) 4,4'-DDE	7.584	8.268	69716	27554	0.483	0.239 #
13) Dieldrin	7.752f	8.420	483305	6834157	3.007	57.074 #
14) Endrin	7.984f	8.644	17326601	6196602	140.452	71.678 #
15) 4,4'-DDD	7.984f	8.682	17326601	12389612	142.718	131.293
16) Endosulfa...	8.114	8.786	43262	32268	0.357	0.352
17) 4,4'-DDT	8.207	8.913	23861	15720	0.371	0.358
18) Endrin Al...	8.407	9.025	54462	44432	0.305	0.312
19) Endosulfa...	8.710	9.216	71143	28817	0.591	0.342 #
20) Methoxychlor	8.549	9.400	8320	4868	0.241	0.233
21) Endrin Ke...	8.905	9.605	46362	7426243	0.322	77.619 #
23) Hexachlor...	3.152	3.568	17509601	15149996	106.195	104.988
24) Hexachlor...	5.761	6.364	13156429	9582679	96.262	91.466
25) Oxychlorane	7.251	7.836	14177626	10430678	108.302	109.119
26) 2,4'-DDE	7.330	8.045	9315981	7425576	100.005	100.449
27) trans-Non...	7.509	8.112	15752242	11563674	108.659	110.836
28) 2,4'-DDD	7.705	8.420	8024201	6834157	97.588	105.877
29) 2,4'-DDT	7.889	8.644	8863134	6196602	117.736	115.523
30) cis-Nonac...	7.984	8.682	17326601	12389612	110.982	111.104
31) Mirex	8.654	9.605	10753420	7426243	109.958	112.794
32) Chlordane...	7.509f	8.156	15752242	535448	892.454	37.011 #
33) Chlordane...	7.640	8.268	37809	27554	1.825	2.229
34) Chlordane...	8.175	8.913	13247	15720	2.490	0.032 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.617	8.487f	63051	59663	75.744	53.271
37) Toxaphene...	7.889f	8.837f	8863134	39109	5881.953	28.671 #
38) Toxaphene...	8.207f	8.893	23861	10003	7.671	4.609
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.710	9.122	71143	3523	30.208	BelowCal #
41) Toxaphene...	8.755f	0.000	24757	0	8.161	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\2020-05\0E13040\
Data File : ECD3-05132015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:21
Operator : MJB
Sample : 0E13040-CCV4
Misc : A20C359, 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 14 11:16:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 15:38
 Operator : MJB
 Sample : 0E13040-CCB2
 Misc : A20D303
 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 14 11:16:39 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

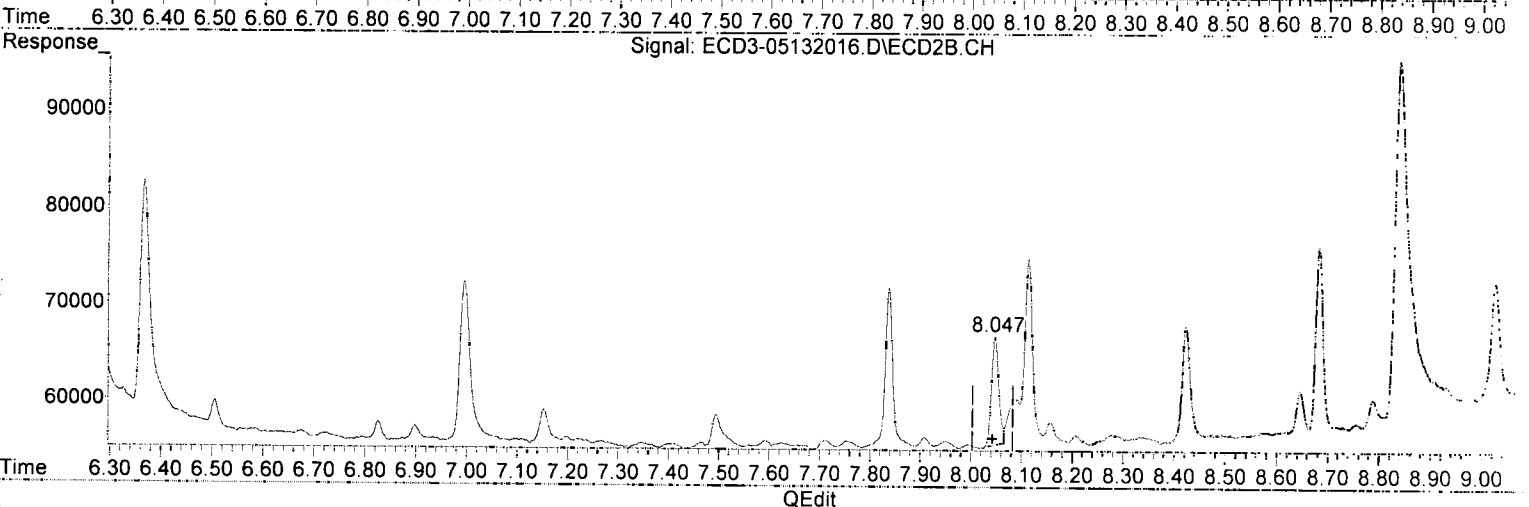
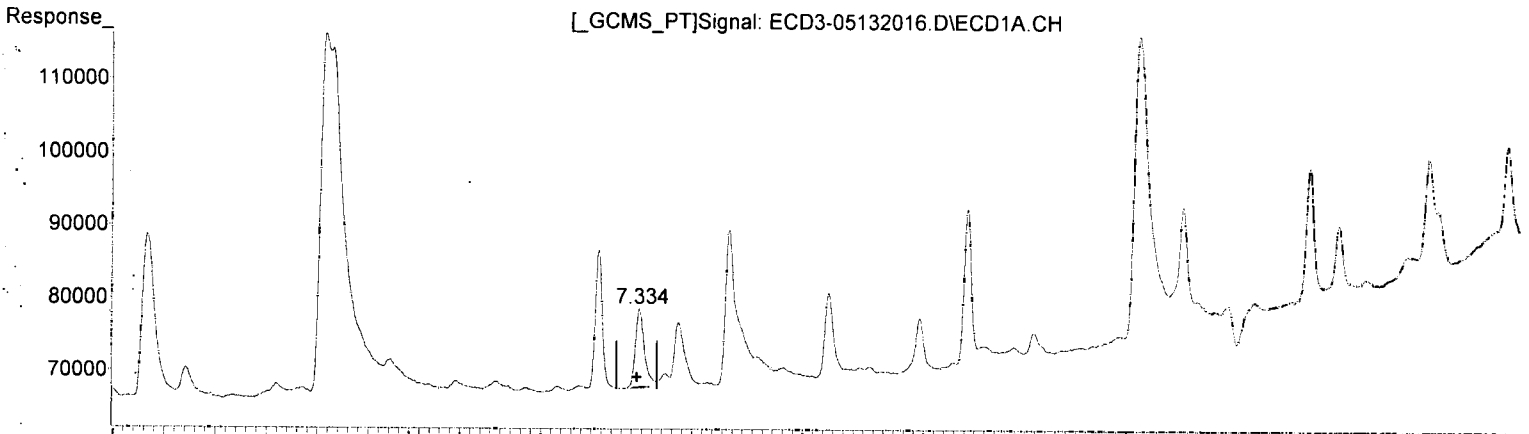
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.894	12922065	9418184	87.248	86.592
22) S DCBP (S)	9.612	10.473	10902424	6960763	99.071	108.026
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	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	7.153	0	3315	N.D.	0.027 #
7) Aldrin	0.000	7.494f	0	3239	N.D.	0.024 #
8) Heptachlo...	7.335	0.000	10899	0	0.070	N.D. #
9) trans-Chl...	7.412	8.047	8674	11259	0.055	0.093 #
10) cis-Chlor...	7.512	0.000	20351	0	0.130	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	8.422	0	11751	N.D.	0.098 #
14) Endrin	7.986f	8.646	19999	4158	0.162	0.048 #
15) 4,4'-DDD	7.986f	8.682	19999	18846	0.165	0.200
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...	8.409	9.026	15572	11643	BelowCal	3407.063
19) Endosulfa...	8.713	9.217	9262	5095	0.077	0.061
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.888	9.606	14943	11841	0.104	0.124
23) Hexachlor...	3.150	3.567	14655	14736	2108.617	837.988 #
24) Hexachlor...	5.762	6.366	50368	23195	0.175	2197.416 #
25) Oxychlorane	7.253	7.837	19141	16441	BelowCal	3277.571
26) 2,4'-DDE	7.335	8.047	10899	11259	BelowCal	2144.837
27) trans-Non...	7.512	8.113	20351	18634	BelowCal	1953.394 <i>Q3el</i>
28) 2,4'-DDD	7.710	8.422	11103	11751	BelowCal	3167.710
29) 2,4'-DDT	7.891	8.646	7133	4158	0.095	0.078
30) cis-Nonac...	7.986	8.682	19999	18846	BelowCal	2549.398
31) Mirex	8.656	9.606	19251	11841	7125.689	3567.354 #
32) Chlordane...	7.512f	0.000	20351	0	1.153	N.D. #
33) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
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...	0.000	0.000	0	0	N.D.	N.D.
37) Toxaphene...	7.891f	8.839	7133	36224	4.734	26.556 #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.713	0.000	9262	0	3.933	N.D. #
41) Toxaphene...	0.000	0.000	0	0	N.D.	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 (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:38
Operator : MJB
Sample : 0E13040-CCB2
Misc : A20D303
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 14 11:16:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.335min -0.062 ng/mL
response 10899

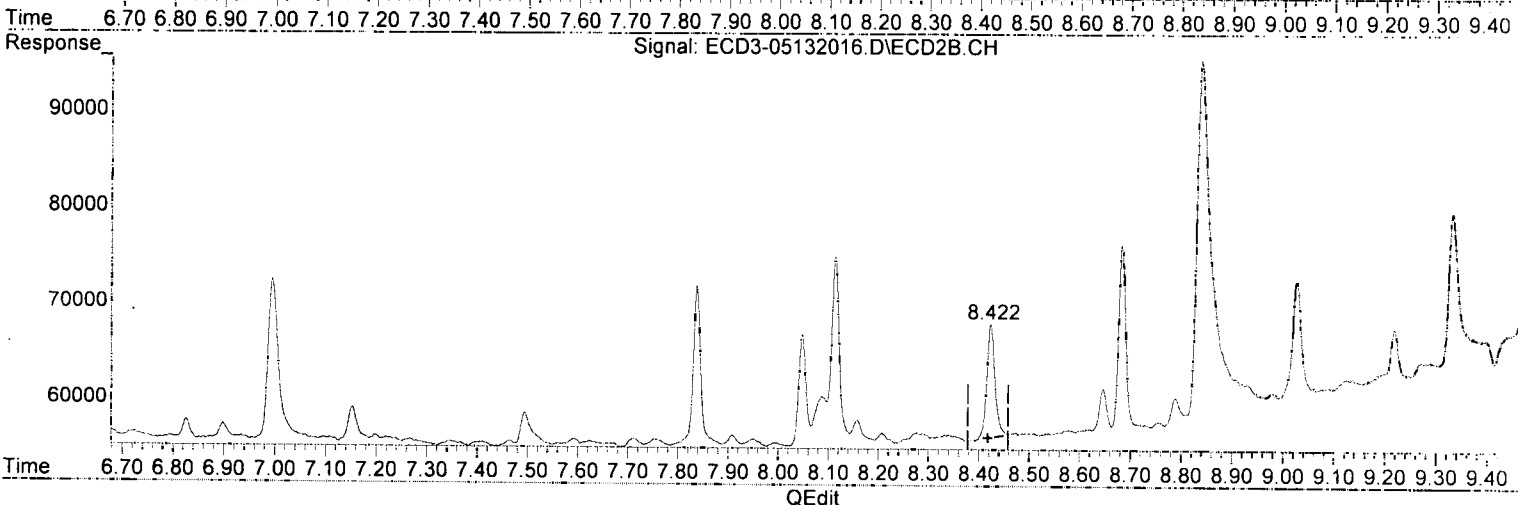
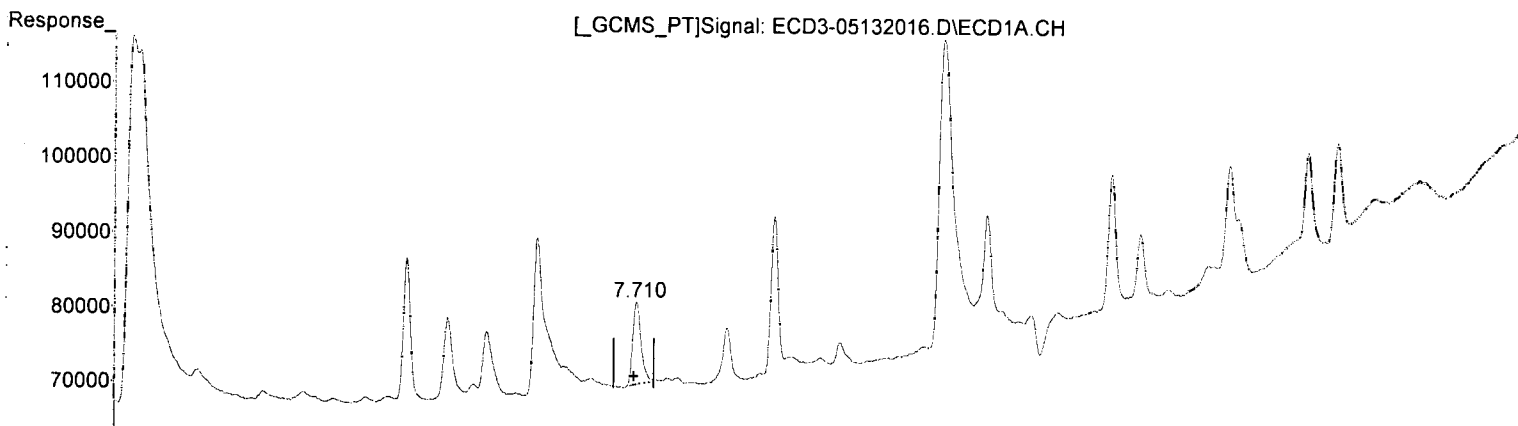
MJB 5/14/20

(26) 2,4'-DDE #2
8.047min 2144.837 ng/mL *2-DDE*
response ~~11259~~

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:38
Operator : MJB
Sample : 0E13040-CCB2
Misc : A20D303
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 14 11:16:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.710min -0.082 ng/mL
response 11103

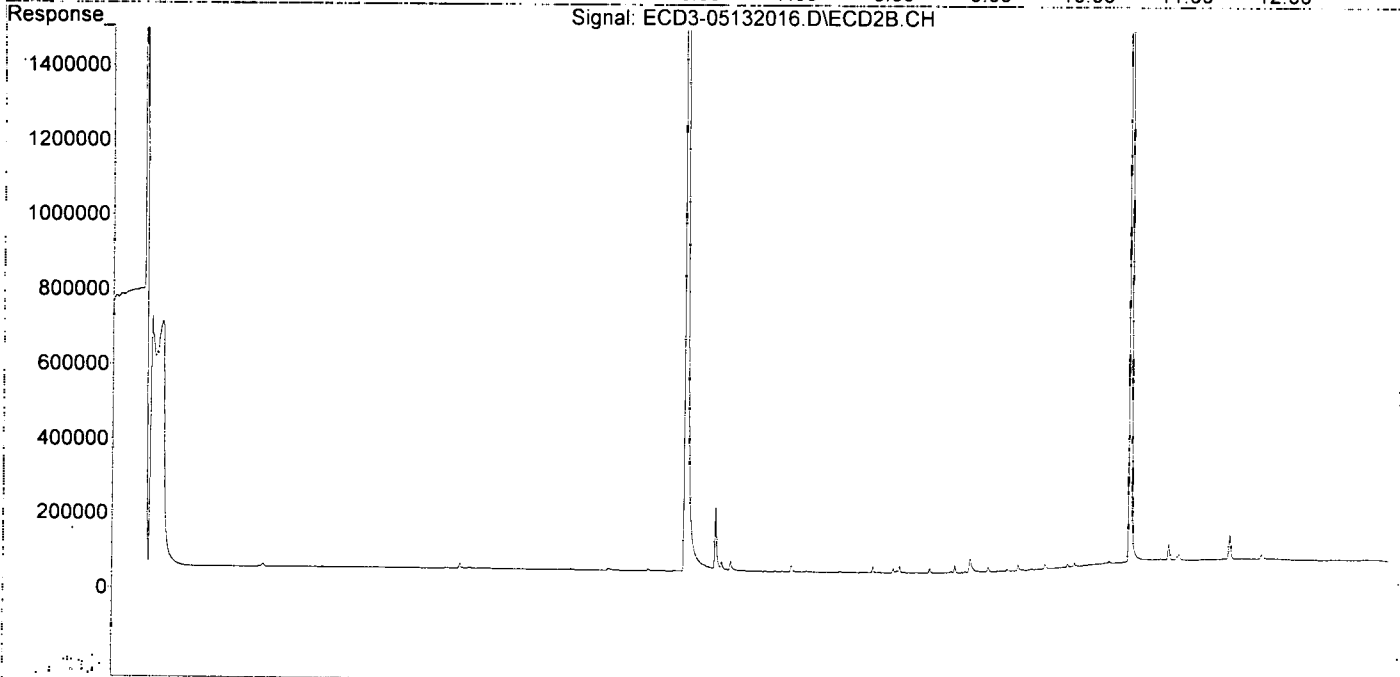
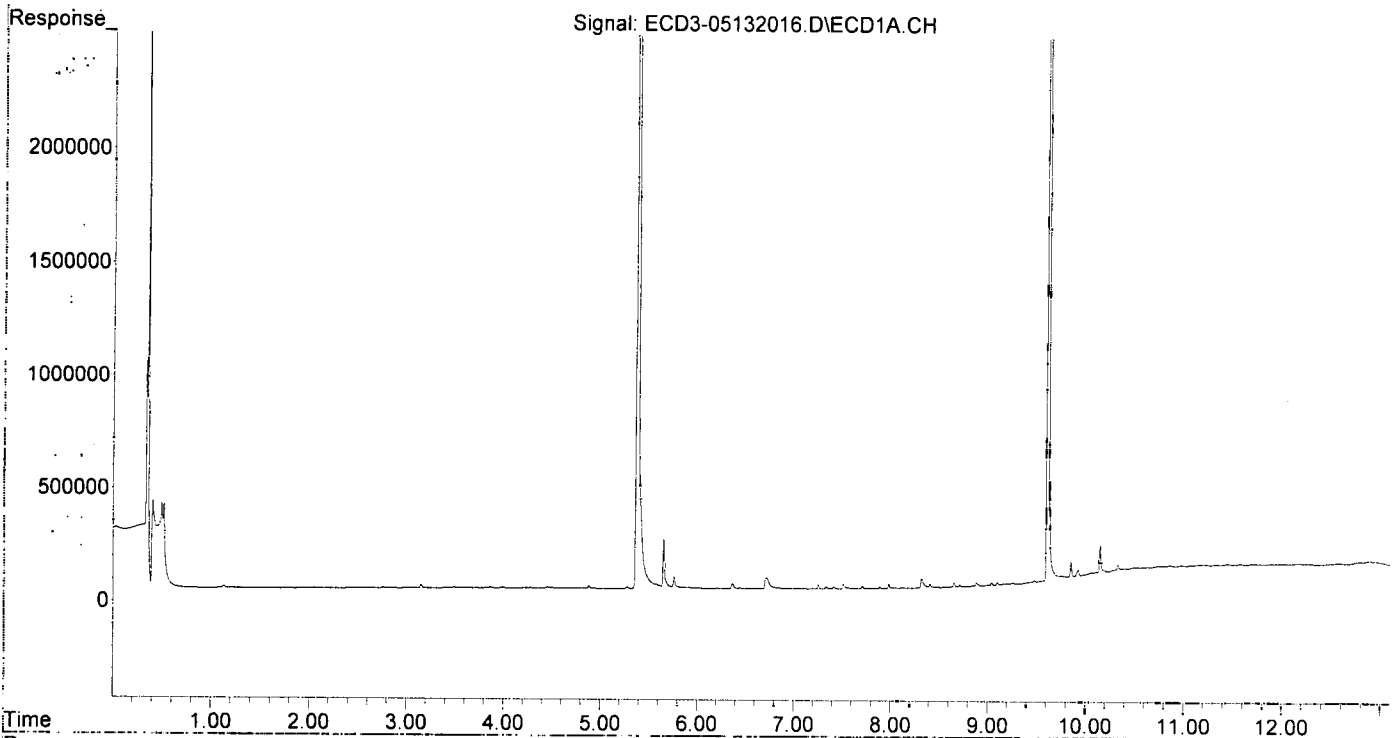
MJB 5/14/20

(28) 2,4'-DDD #2
8.422min 3167.710 ng/mL *Q-DET*
response ~~11751~~

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:38
Operator : MJB
Sample : 0E13040-CCB2
Misc : A20D303
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 14 11:16:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 15:55
 Operator : MJB
 Sample : A0D0763-08RE1#2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 14:22:11 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Real
MJB
5/14/20

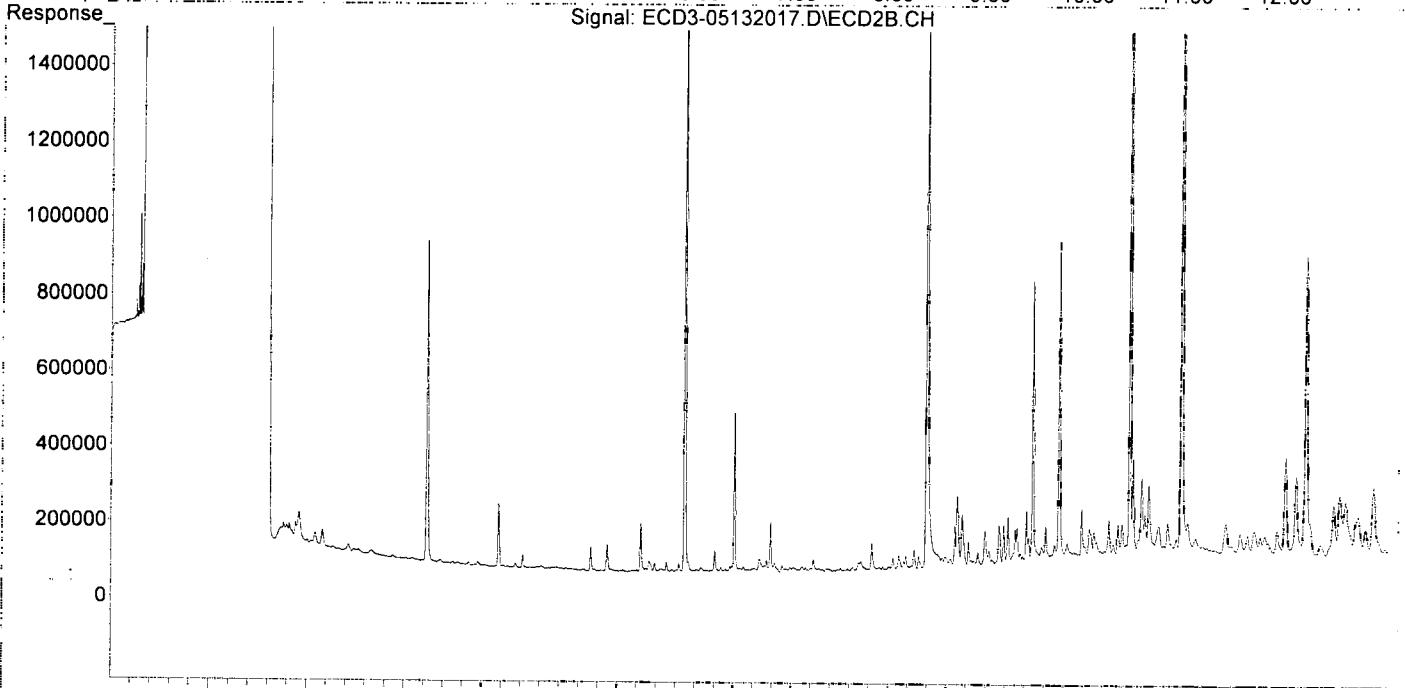
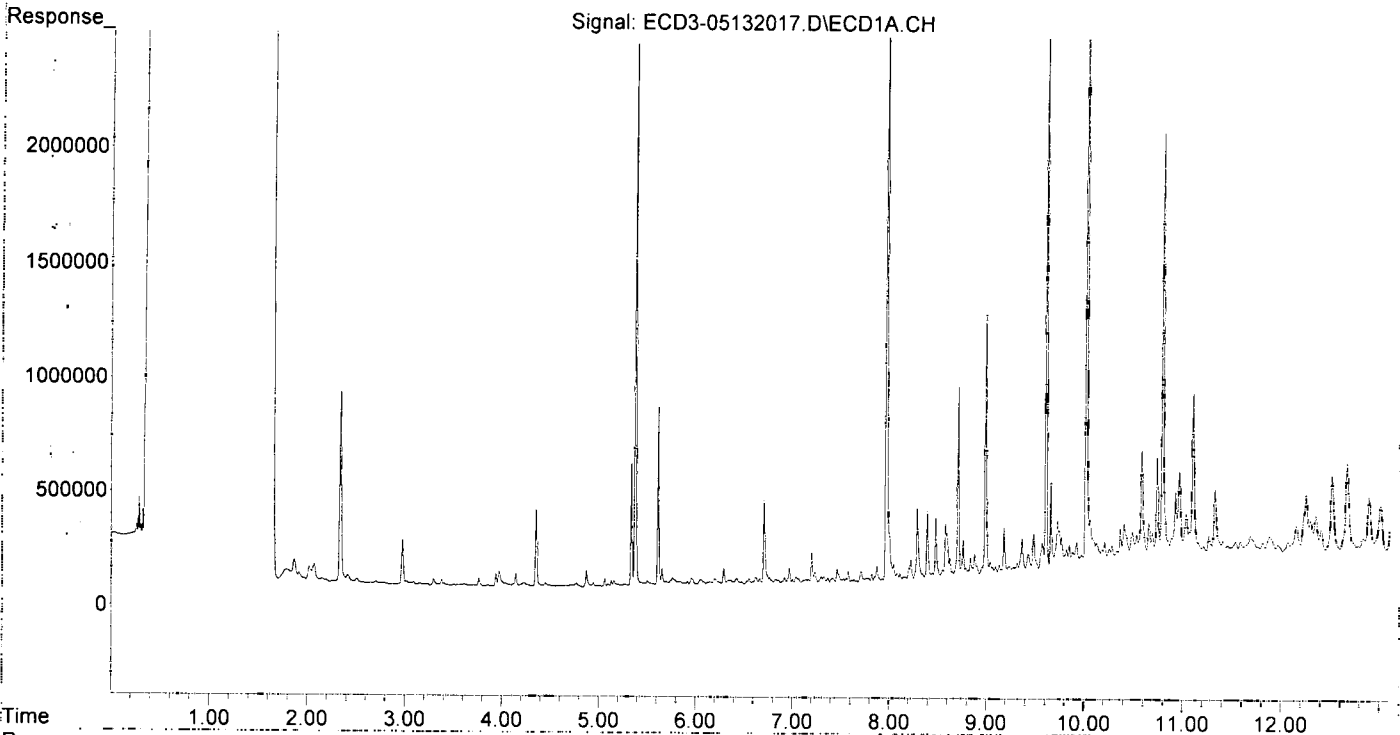
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	2361436	2022657	15.944	17.802
22) S DCBP (S)	9.610	10.472	2858952	1938370	25.875	28.846
Target Compounds						
2) a-BHC	5.916	6.504	13336	10029	0.066	0.064
3) g-BHC	6.203	6.824	24363	22309	0.141	0.166
4) b-BHC	6.291	6.903	70106	16602	1.028	0.270 #
5) Heptachlor	6.619	7.197	28830	9701	0.176	0.086 #
6) d-BHC	6.428	7.145	24886	11523	0.177	0.094 #
7) Aldrin	6.858	7.468	14257	4376	0.085	0.033 #
8) Heptachlo...	7.327	7.906	24281	6745	0.155	0.057 #
9) trans-Chl...	7.418	8.048	17356	30211	0.110	0.251 #
10) cis-Chlor...	7.532	8.157	13857	20107	0.088	0.174 #
11) Endosulfa...	7.615	8.179f	7983	35433	0.056	0.329 #
12) 4,4'-DDE	7.580	8.266	46444	49657	0.322	0.431
13) Dieldrin	7.789	8.392	13535	1561675	0.084	13.042 #
14) Endrin	7.969	8.640	3144052	22405	25.486	0.259 #
15) 4,4'-DDD	8.001	8.683	209363	107927	1.725m	1.144 #
16) Endosulfa...	8.111	8.759f	22163	137484	0.183	1.499 #
17) 4,4'-DDT	8.202	8.920	53938	37634	0.721	0.759 #
18) Endrin Al...	8.393	9.037	285045	41353	2.549	0.273 #
19) Endosulfa...	8.710	9.229	829020	128766	6.882	1.530 #
20) Methoxychlor	8.552	9.378	29727	23207	0.763	0.944 #
21) Endrin Ke...	8.905	9.613	37371	100300	0.259	1.048 #
23) Hexachlor...	0.000	3.547	0	4195	N.D.	838.052 #
24) Hexachlor...	5.763	6.363	28012	12183	0.007	2197.517 #
25) Oxychlordane	7.234	7.829	44645	70879	0.145	0.499 #
26) 2,4'-DDE	7.327	8.048	24281	30211	0.086	0.160 #
27) trans-Non...	7.532f	8.108	13857	37733	BelowCal	0.122 #
28) 2,4'-DDD	7.713	8.392f	43665	1561675	0.319	23.333 #
29) 2,4'-DDT	7.874	8.640	62631	22405	0.832	0.418 #
30) cis-Nonac...	7.969	8.683	3144052	107927	20.274	0.693 #
31) Mirex	8.650	9.613	20214	100300	7125.680	1.067 #
32) Chlordane...	7.532	8.157	13857	20107	0.785	1.390 #
33) Chlordane...	7.638	8.266	11504	49657	0.555	4.017 #
34) Chlordane...	8.202	8.920	53938	37634	10.137	6.123 #
35) Chlordane...	3.762f	3.759	32981	10293	NoCal	NoCal
36) Toxaphene...	7.638	0.000	11504	0	13.820	N.D. #
37) Toxaphene...	7.926	8.851	5983	17715	3.971	12.987 #
38) Toxaphene...	8.221	8.875	83787	16616	26.938	7.656 #
39) Toxaphene...	8.480	8.994f	257707	92415	85.757	19.528 #
40) Toxaphene...	8.710	9.136	829020	106992	352.007	55.808 #
41) Toxaphene...	8.789	9.527	34669	34091	11.429	16.843 #
42) Toxaphene...	0.000	3.759	0	10293	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\2020-05\0E13040\
Data File : ECD3-05132017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:55
Operator : MJB
Sample : A0D0763-08RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

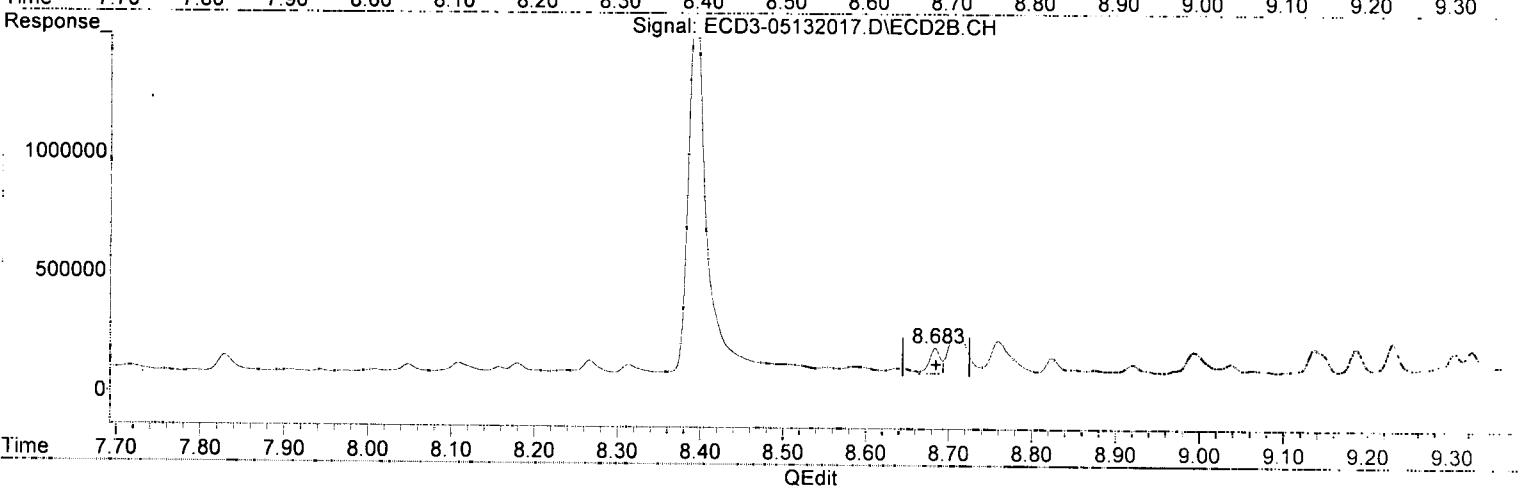
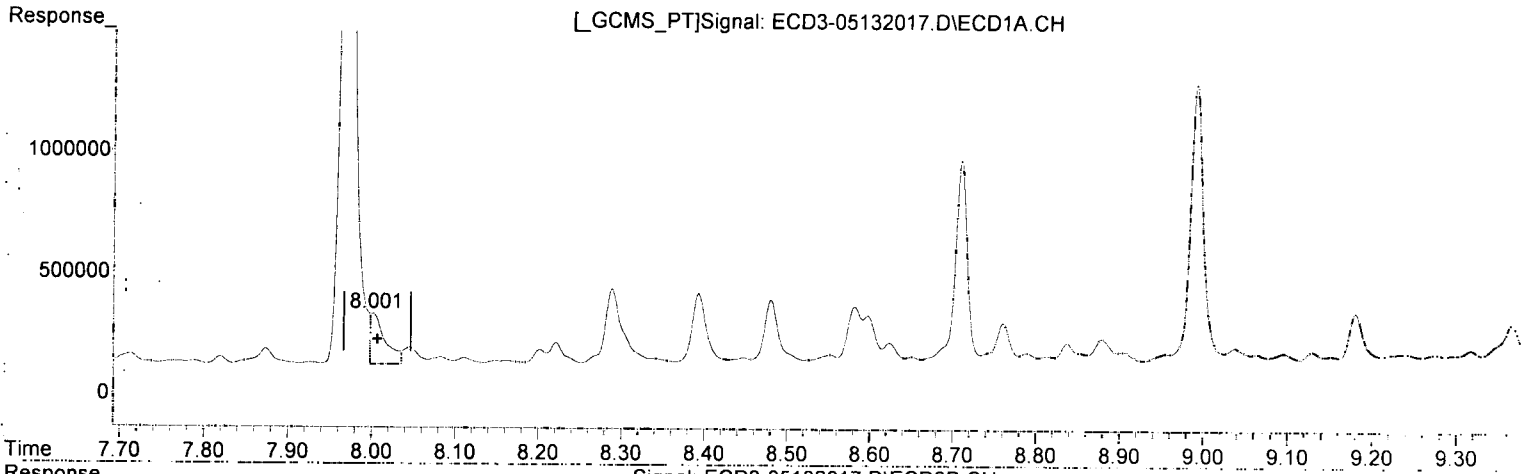
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: May 14 14:22:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:55
Operator : MJB
Sample : A0D0763-08RE102
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
8.001min 1.725 ng/mL (m)
response 209363

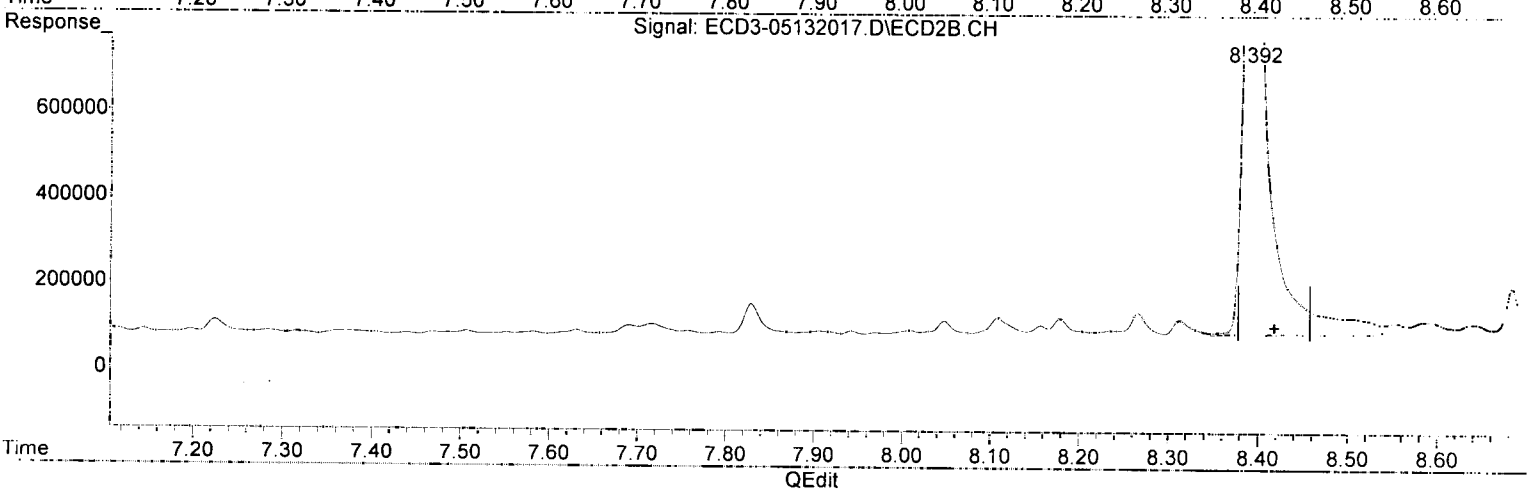
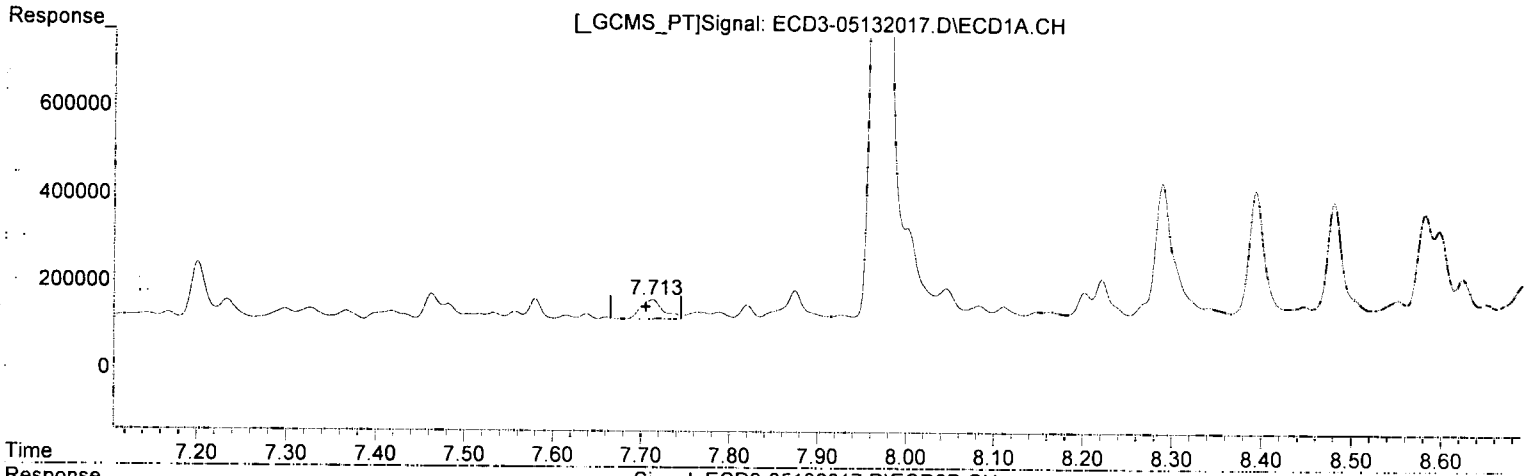
MJB 5/14/20

(15) 4,4'-DDD #2
8.683min 1.144 ng/mL *MDL=MDL*
response 107927

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:55
Operator : MJB
Sample : AOD0763-08RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.713min 0.319 ng/mL
response 43665

MJB
5/14/20

(28) 2,4'-DDD #2
8.392min 23.333 ng/mL
response 1561675

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 15:55
 Operator : MJB
 Sample : AOD0763-08RE1@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: May 14 11:16:43 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

ME

MB 5/11/20

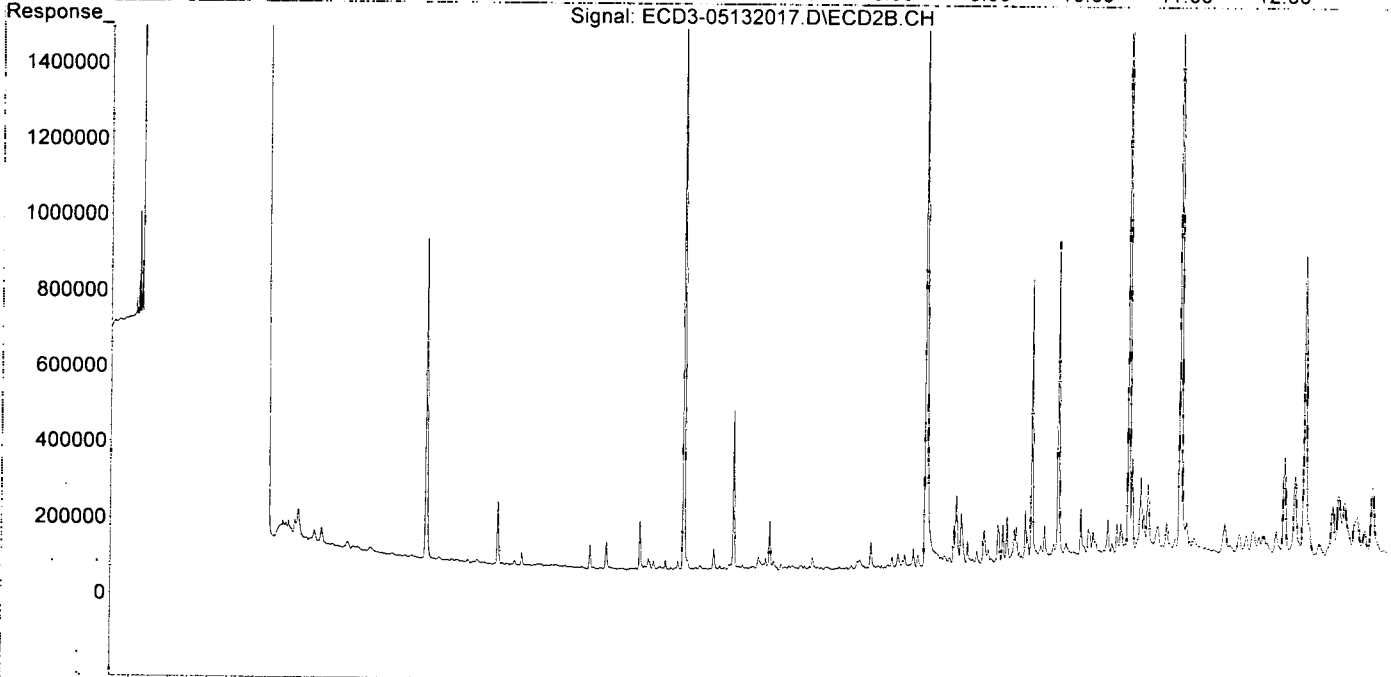
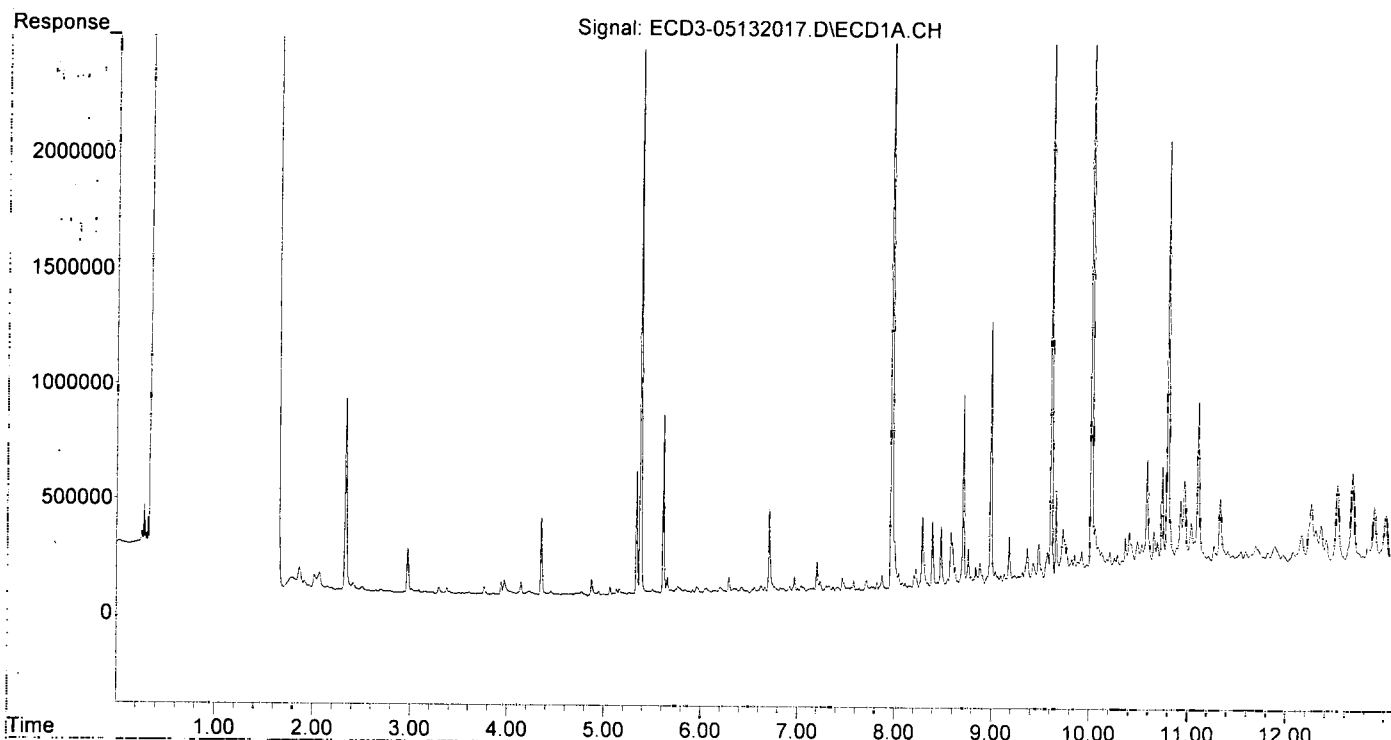
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376	5.893	2361436	2022657	15.944	17.802
22) S DCBP (S)	9.610	10.472	2858952	1938370	25.875	28.846
Target Compounds						
2) a-BHC	5.916	6.504	13336	10029	0.066	0.064
3) g-BHC	6.203	6.824	24363	22309	0.141	0.166
4) b-BHC	6.291	6.903	70106	16602	1.028	0.270 #
5) Heptachlor	6.619	7.197	28830	9701	0.176	0.086 #
6) d-BHC	6.428	7.145	24886	11523	0.177	0.094 #
7) Aldrin	6.858	7.468	14257	4376	0.085	0.033 #
8) Heptachlo...	7.327	7.906	24281	6745	0.155	0.057 #
9) trans-Chl...	7.418	8.048	17356	30211	0.110	0.251 #
10) cis-Chlor...	7.532	8.157	13857	20107	0.088	0.174 #
11) Endosulfa...	7.615	8.179f	7983	35433	0.056	0.329 #
12) 4,4'-DDE	7.580	8.266	46444	49657	0.322	0.431
13) Dieldrin	7.789	8.392	13535	1561675	0.084	13.042 #
14) Endrin	7.969	8.640	3144052	22405	25.486	0.259 #
15) 4,4'-DDD	7.969f	8.683	3144052	107927	25.897	1.144 #
16) Endosulfa...	8.111	8.759f	22163	137484	0.183	1.499 #
17) 4,4'-DDT	8.202	8.920	53938	37634	0.721	0.759
18) Endrin Al...	8.393	9.037	285045	41353	2.549	0.273 #
19) Endosulfa...	8.710	9.229	829020	128766	6.882	1.530 #
20) Methoxychlor	8.552	9.378	29727	23207	0.763	0.944
21) Endrin Ke...	8.905	9.613	37371	100300	0.259	1.048 #
23) Hexachlor...	0.000	3.547	0	4195	N.D.	838.052 #
24) Hexachlor...	5.763	6.363	28012	12183	0.007	2197.517 #
25) Oxychlorane	7.234	7.829	44645	70879	0.145	0.499 #
26) 2,4'-DDE	7.327	8.048	24281	30211	0.086	0.160 #
27) trans-Non...	7.532f	8.108	13857	37733	BelowCal	0.122
28) 2,4'-DDD	7.713	8.392f	43665	1561675	0.319	23.333 #
29) 2,4'-DDT	7.874	8.640	62631	22405	0.832	0.418 #
30) cis-Nonac...	7.969	8.683	3144052	107927	20.274	0.693 #
31) Mirex	8.650	9.613	20214	100300	7125.680	1.067 #
32) Chlordane...	7.582	8.157	13857	20107	0.785	1.390 #
33) Chlordane...	7.638	8.266	11504	49657	0.555	4.017 #
34) Chlordane...	8.202	8.920	53938	37634	10.137	6.123
35) Chlordane...	3.762f	3.759	32981	10293	NoCal	NoCal
36) Toxaphene...	7.638	0.000	11504	0	13.820	N.D. #
37) Toxaphene...	7.926	8.851	5983	17715	3.971	12.987 #
38) Toxaphene...	8.221	8.875	83787	16616	26.938	7.656 #
39) Toxaphene...	8.480	8.994f	257707	92415	85.757	19.528 #
40) Toxaphene...	8.710	9.136	829020	106992	352.007	55.808 #
41) Toxaphene...	8.789	9.527	34669	34091	11.429	16.843 #
42) Toxaphene...	0.000	3.759	0	10293	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\2020-05\0E13040\
Data File : ECD3-05132017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 15:55
Operator : MJB
Sample : A0D0763-08RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: May 14 11:16:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 19:41
 Operator : MJB
 Sample : 0E13040-CCV5
 Misc : A20C183, 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 14 11:17:07 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.372	5.891	6975955	4813704	47.101	43.144
22) S DCBP (S)	9.606	10.468	5995646	3884729	54.460	58.843
Target Compounds						
2) a-BHC	5.915	6.501	10872176	7736855	53.744	49.288
3) g-BHC	6.201	6.821	9796289	6980257	56.730	51.811
4) b-BHC	6.277	6.888	3320919	2748560	48.678	44.753
5) Heptachlor	6.612	7.195	9902888	6661005	60.476	58.841
6) d-BHC	6.429	7.145	7292766	5725783	51.955	46.842
7) Aldrin	6.854	7.461	9467419	6778928	56.474	51.009
8) Heptachlo...	7.320	7.903	8592208	6083881	54.943	51.693
9) trans-Chl...	7.415	8.044	8816377	6174600	56.027	51.198
10) cis-Chlor...	7.514	8.152	8403662	5968435	53.537	51.529
11) Endosulfa...	7.612	8.201	8193605	5763699	57.090	53.597
12) 4,4'-DDE	7.580	8.265	6744398	5619956	46.754	48.805
13) Dieldrin	7.785	8.404	9013192	6359053	56.083	53.106
14) Endrin	7.950	8.632	7694814	5284714	62.375	61.130
15) 4,4'-DDD	8.004	8.683	5664324	4812058	46.656	50.993
16) Endosulfa...	8.108	8.781	6919198	4865646	57.160	53.050
17) 4,4'-DDT	8.202	8.910	5512821	3731805	56.525	60.492
18) Endrin Al...	8.401	9.020	5667179	4064279	54.679	51.122
19) Endosulfa...	8.705	9.211	6583305	4648312	54.652	55.220
20) Methoxychlor	8.544	9.394	2661406	1955987	57.891	66.162
21) Endrin Ke...	8.901	9.612	8265687	5201634	57.382	54.367
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.757	0.000	16126	0	BelowCal	N.D.
25) Oxychlordane	7.255	7.867f	39867	40906	0.108	0.195 #
26) 2,4'-DDE	7.320	8.044	8592208	6174600	92.433	82.770
27) trans-Non...	7.514	0.000	8403662	0	58.180	N.D. #
28) 2,4'-DDD	0.000	8.404	0	6359053	N.D.	98.251 #
29) 2,4'-DDT	7.884	8.632	22859	5284714	0.304	98.522 #
30) cis-Nonac...	8.004f	8.683	5664324	4812058	36.594	41.814
31) Mirex	8.653	9.612	26503	5201634	7125.616	78.093 #
32) Chlordane...	7.514f	8.152	8403662	5968435	476.115	412.549
33) Chlordane...	7.612f	8.265	8193605	5619956	395.405	454.639
34) Chlordane...	8.202	8.910f	5512821	3731805	1036.105	1031.301
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.612	0.000	8193605	0	9843.170	N.D. #
37) Toxaphene...	7.950f	0.000	7694814	0	5106.605	N.D. #
38) Toxaphene...	8.202f	8.910	5512821	3731805	1772.403	1719.452
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.705	9.125	6583305	255416	2795.310	137.463 #
41) Toxaphene...	8.795	9.506	15531	69196	5.120	34.188 #
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

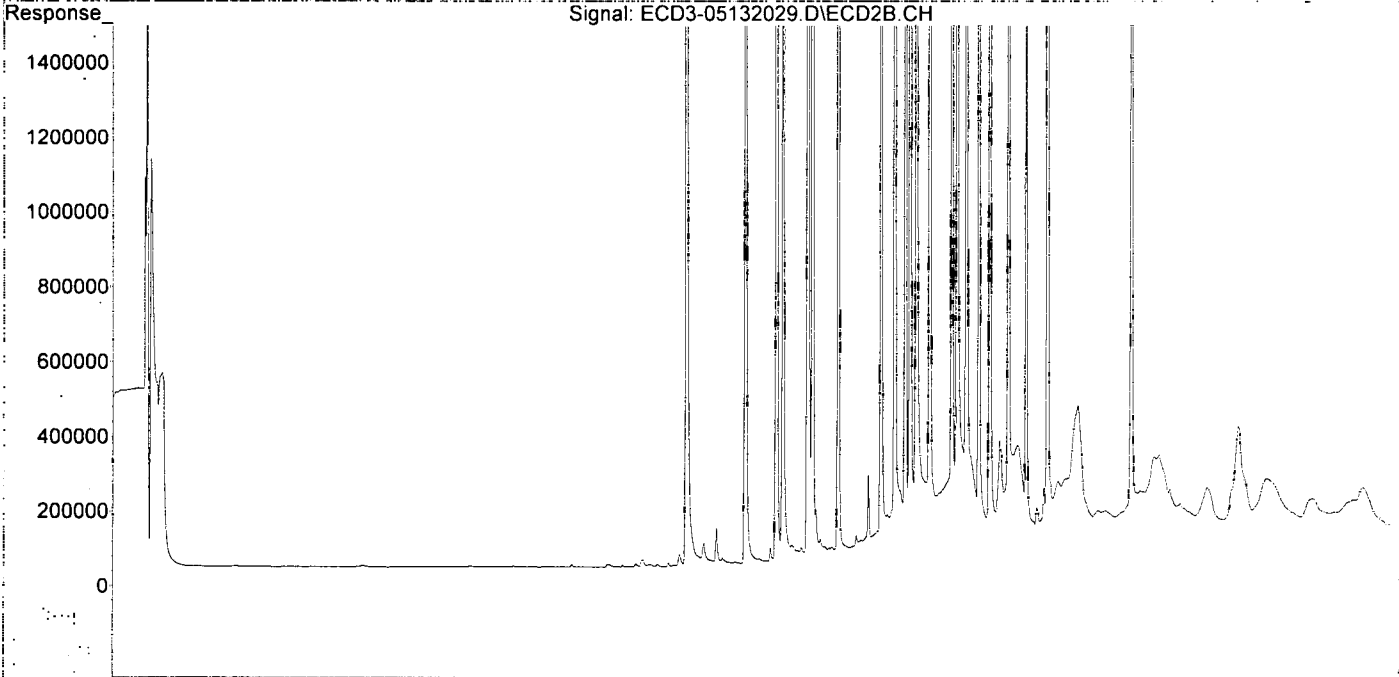
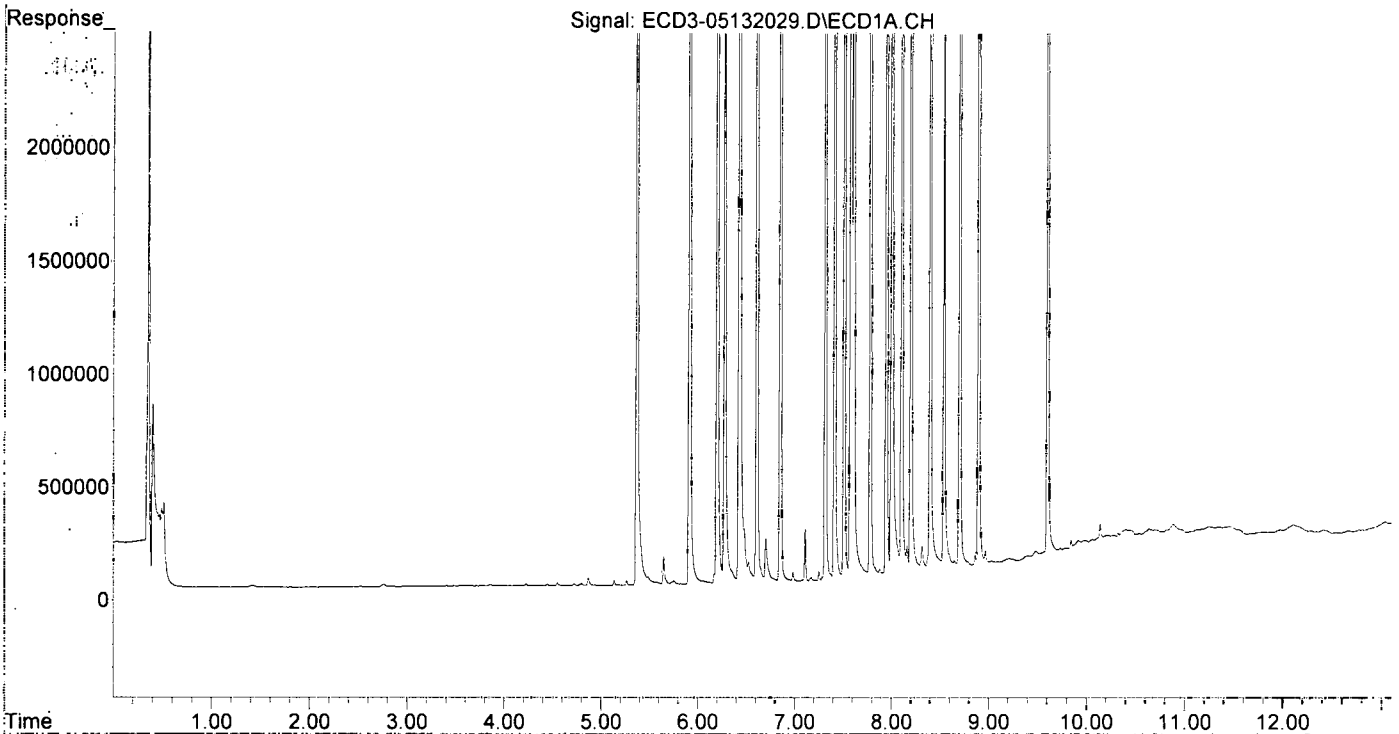
Q-41

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 19:41
Operator : MJB
Sample : 0E13040-CCV5
Misc : A20C183, 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 14 11:17:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 19:58
 Operator : MJB
 Sample : 0E13040-CCV6
 Misc : A20C358, 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 14 11:17:11 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

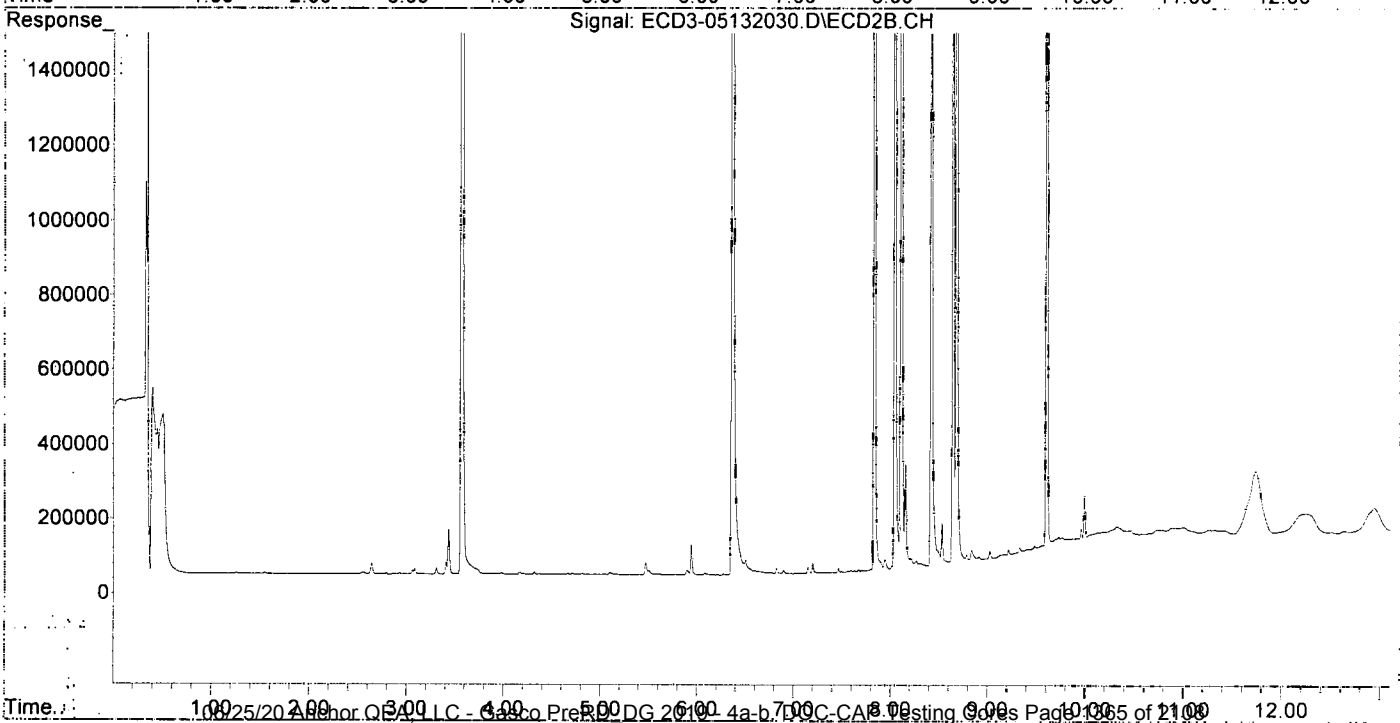
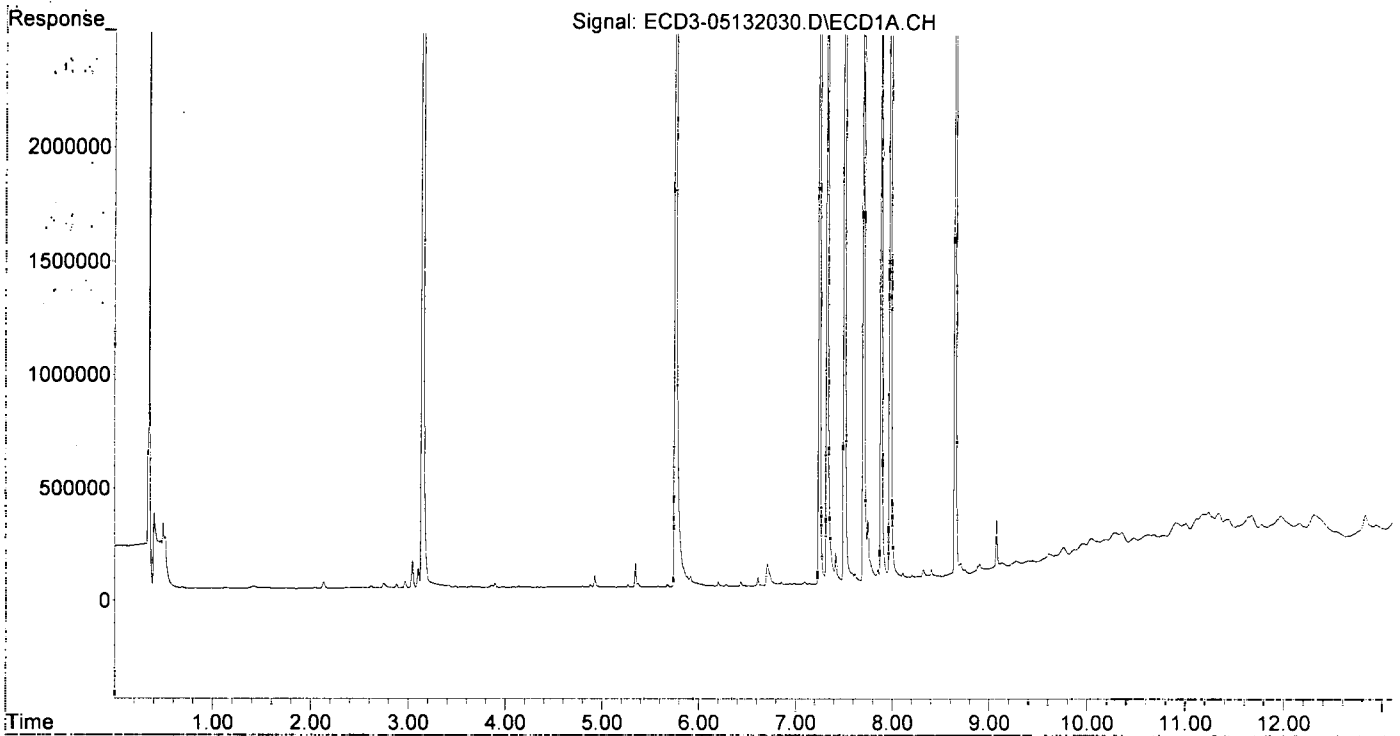
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.372	5.894	17727	11969	0.120	1884.009 #
22) S DCBP (S)	9.609	10.465	55869	11674	0.284	2279.916 #
Target Compounds						
2) a-BHC	5.915	6.501	39101	32716	0.193	0.208
3) g-BHC	6.202	6.822	17073	14301	0.099	0.106
4) b-BHC	6.284	6.893	8608	8214	0.126	0.134
5) Heptachlor	6.612	7.195	36527	25431	0.223	0.225
6) d-BHC	6.434	7.147	18212	16033	0.130	0.131
7) Aldrin	6.854	7.461	12886	9680	0.077	0.073
8) Heptachlo...	7.327	7.942f	4416202	25482	28.240	0.217 #
9) trans-Chl...	7.416	8.041	134575	3775410	0.855	31.305 #
10) cis-Chlor...	7.506	8.152	8042978	277668	51.239	2.397 #
11) Endosulfa...	7.614	0.000	35764	0	0.249	N.D. #
12) 4,4'-DDE	7.580	8.265	38441	8194	0.266	0.071 #
13) Dieldrin	7.749f	8.417	269433	3417728	1.676	28.542 #
14) Endrin	7.980f	8.641	8527219	3111046	69.123	35.987 #
15) 4,4'-DDD	7.980f	8.678	8527219	6338710	70.238	67.171
16) Endosulfa...	8.110	8.782	21664	16607	0.179	0.181
17) 4,4'-DDT	8.204	8.911	9578	7579	0.204	0.209
18) Endrin Al...	8.404	9.021	31185	21611	0.078	0.028 #
19) Endosulfa...	8.706	9.212	52468	13956	0.436	0.166 #
20) Methoxychlor	8.547	9.396	5631	2616	0.175	0.146
21) Endrin Ke...	8.902	9.601	40667	3876763	0.282	40.520 #
23) Hexachlor...	3.148	3.565	9089563	8146154	53.638	52.583
24) Hexachlor...	5.757	6.362	6336587	4886413	46.848	45.523
25) Oxychlorane	7.247	7.832	7068875	5443809	54.166	55.902
26) 2,4'-DDE	7.327	8.041	4416202	3775410	48.066	49.719
27) trans-Non...	7.506	8.108	8042978	5992006	55.689	55.654
28) 2,4'-DDD	7.703	8.417	4077138	3417728	49.682	51.883
29) 2,4'-DDT	7.886	8.641	4463458	3111046	59.292	57.999
30) cis-Nonac...	7.980	8.678	8527219	6338710	55.026	55.457
31) Mirex	8.650	9.601	5404109	3876763	54.642	57.758
32) Chlordane...	7.506f	8.152	8042978	277668	455.680	19.193 #
33) Chlordane...	7.614	8.265	35764	8194	1.726	0.663 #
34) Chlordane...	8.204	8.911f	9578	7579	1.800	BelowCal #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.614	8.529f	35764	109517	42.964	97.784 #
37) Toxaphene...	7.886f	8.834f	4463458	27544	2962.141	20.192 #
38) Toxaphene...	8.204f	8.890	9578	5540	3.079	2.552
39) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
40) Toxaphene...	8.706	0.000	52468	0	22.278	N.D. #
41) Toxaphene...	8.751f	9.561f	21728	2004	7.163	0.990 #
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\2020-05\0E13040\
Data File : ECD3-05132030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 19:58
Operator : MJB
Sample : 0E13040-CCV6
Misc : A20C358, 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 14 11:17:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
 Data File : ECD3-05132031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 13 May 2020 20:15
 Operator : MJB
 Sample : 0E13040-CCB3
 Misc : A20D303
 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 14 11:17:15 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
5/14/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.372	5.890	14225318	9792628	96.048	90.222
22) S DCBP (S)	9.608	10.468	11371561	7347326	103.330	114.374
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	6.823	0	1334	N.D.	0.010 #
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	7.149	0	3586	N.D.	0.029 #
7) Aldrin	6.833f	7.490f	4559	3363	0.027	0.025
8) Heptachlo...	7.331	0.000	12264	0	0.078	N.D. #
9) trans-Chl...	7.408	8.043	8887	11448	0.056	0.095 #
10) cis-Chlor...	7.508	8.152	25417	2538	0.162	0.022 #
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	8.418	0	12654	N.D.	0.106 #
14) Endrin	7.981f	8.641	25515	5600	0.207	0.065 #
15) 4,4'-DDD	7.981f	8.678	25515	22109	0.210	0.234
16) Endosulfa...	8.113	8.782	2777	7425	0.023	0.081 #
17) 4,4'-DDT	0.000	8.922	0	1729	N.D.	0.102 #
18) Endrin Al...	8.404	9.022	12412	10421	BelowCal	3407.078
19) Endosulfa...	8.708	9.213	10097	3718	0.084	0.044 #
20) Methoxychlor	8.550	9.396	3761	2213	0.130	0.130
21) Endrin Ke...	8.883f	9.603	20218	49352	0.140	0.516 #
23) Hexachlor...	3.146	3.564	23825	23769	2108.565	837.933 #
24) Hexachlor...	5.758	6.362	51786	23273	0.186	2197.415 #
25) Oxychlorane	7.249	7.833	22628	18711	BelowCal	3277.548
26) 2,4'-DDE	7.331	8.043	12264	11448	BelowCal	2144.835
27) trans-Non...	7.508	8.109	25417	20445	BelowCal	1953.378
28) 2,4'-DDD	7.706	8.418	11646	12654	BelowCal	3167.697
29) 2,4'-DDT	7.887	8.641	8813	5600	0.117	0.104
30) cis-Nonac...	7.981	8.678	25515	22109	BelowCal	2549.370
31) Mirex	8.652	9.603	22538	49352	7125.656	0.315 #
32) Chlordane...	7.508f	8.152	25417	2538	1.440	0.175 #
33) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
34) Chlordane...	0.000	8.922	0	1729	N.D.	BelowCal
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...	7.887f	8.835f	8813	26223	5.849	19.224 #
38) Toxaphene...	0.000	8.922f	0	1729	N.D.	0.796 #
39) Toxaphene...	0.000	8.922f	0	1729	N.D.	BelowCal
40) Toxaphene...	8.708	9.125	10097	6252	4.287	0.187 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

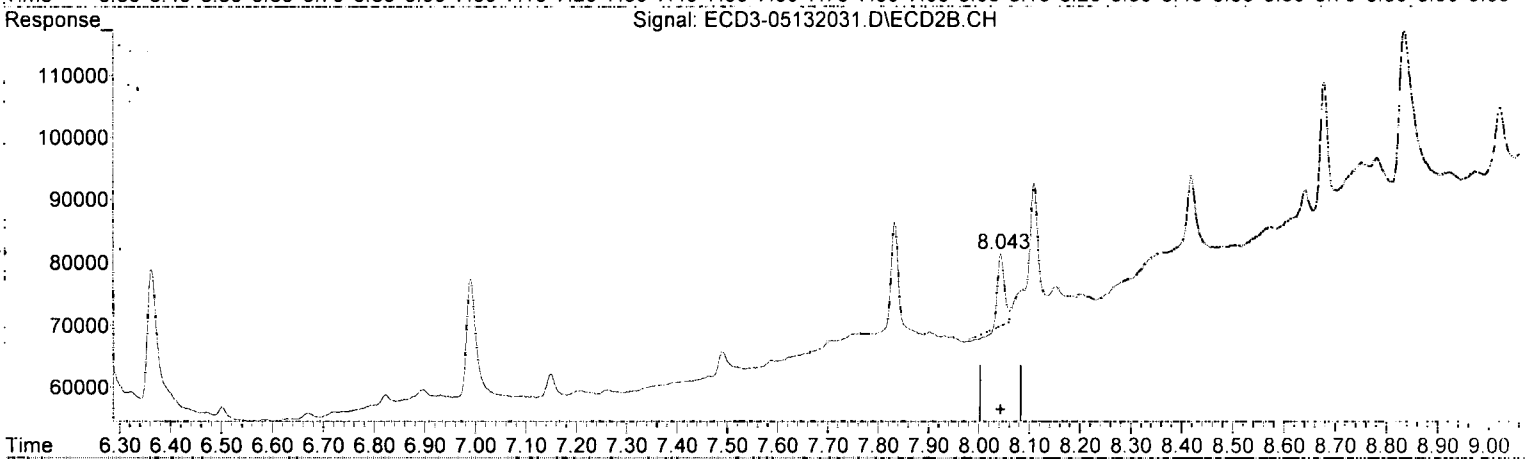
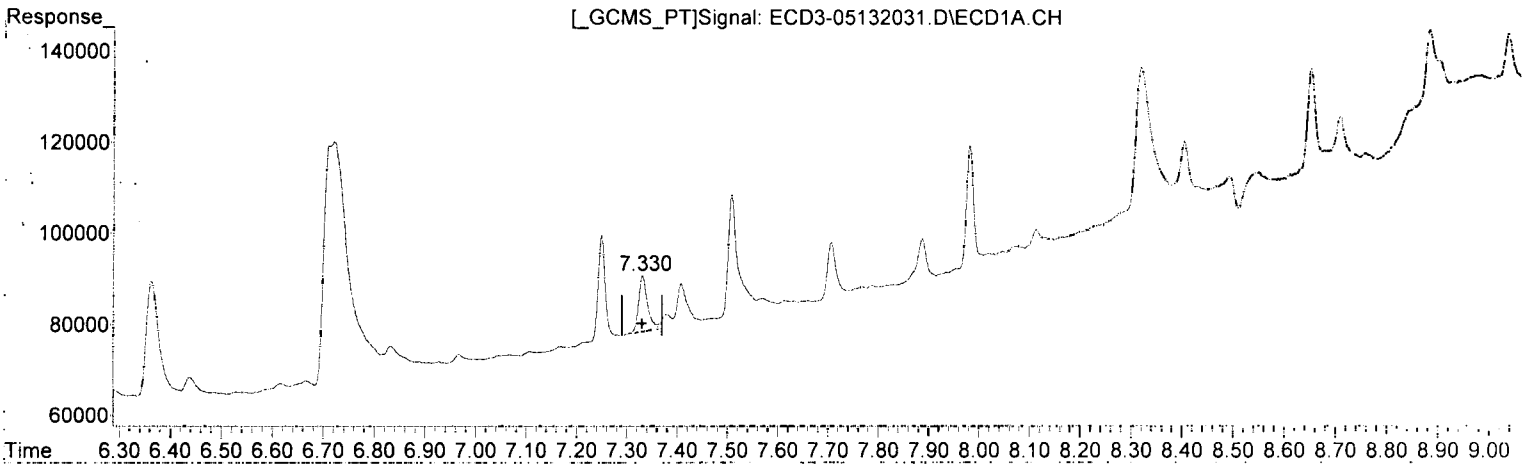
Q-DE

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 20:15
Operator : MJB
Sample : 0E13040-CCB3
Misc : A20D303
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 14 11:17:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.331min -0.047 ng/mL
response 12264

MJB
5/14/21

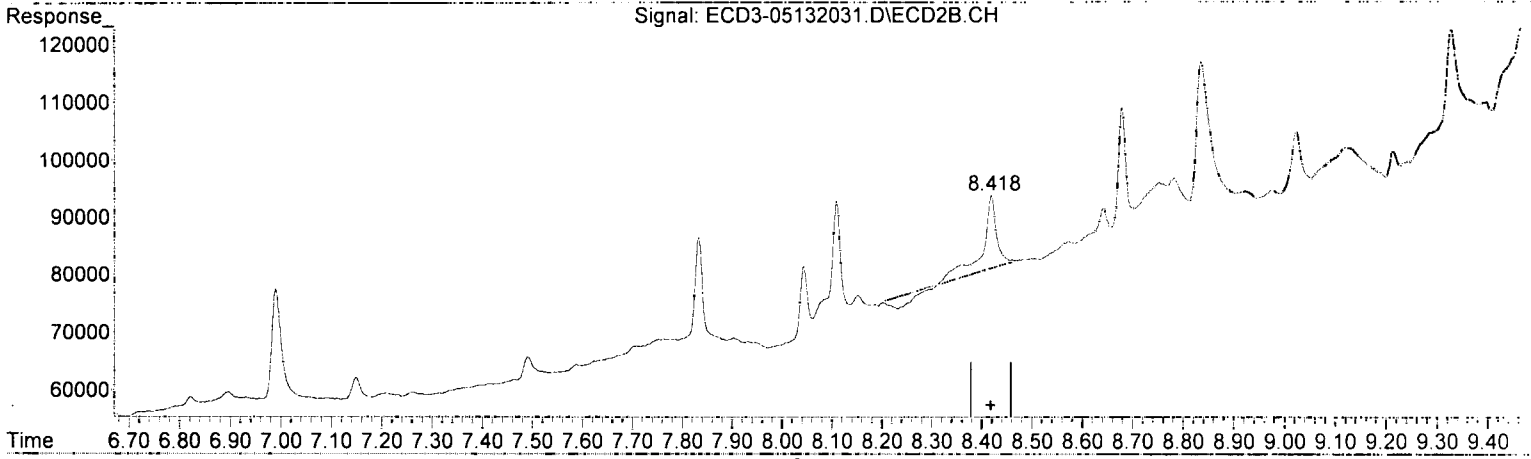
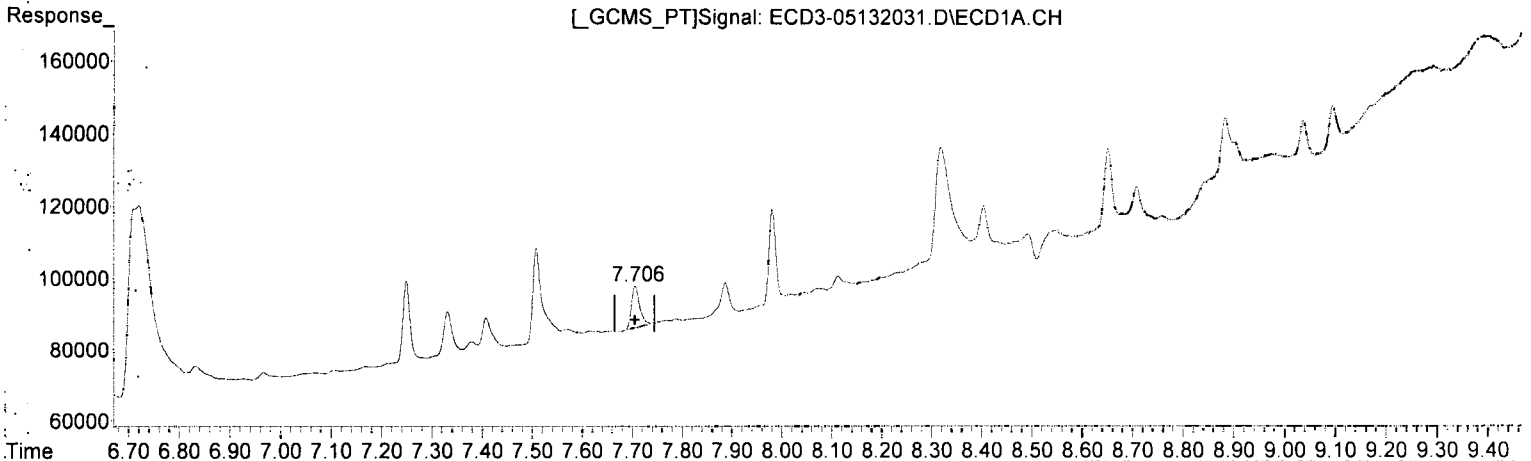
(26) 2,4'-DDE #2
8.043min 2144.835 ng/mL
response 11448

Q-201

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 20:15
Operator : MJB
Sample : 0E13040-CCB3
Misc : A20D303
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 14 11:17:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



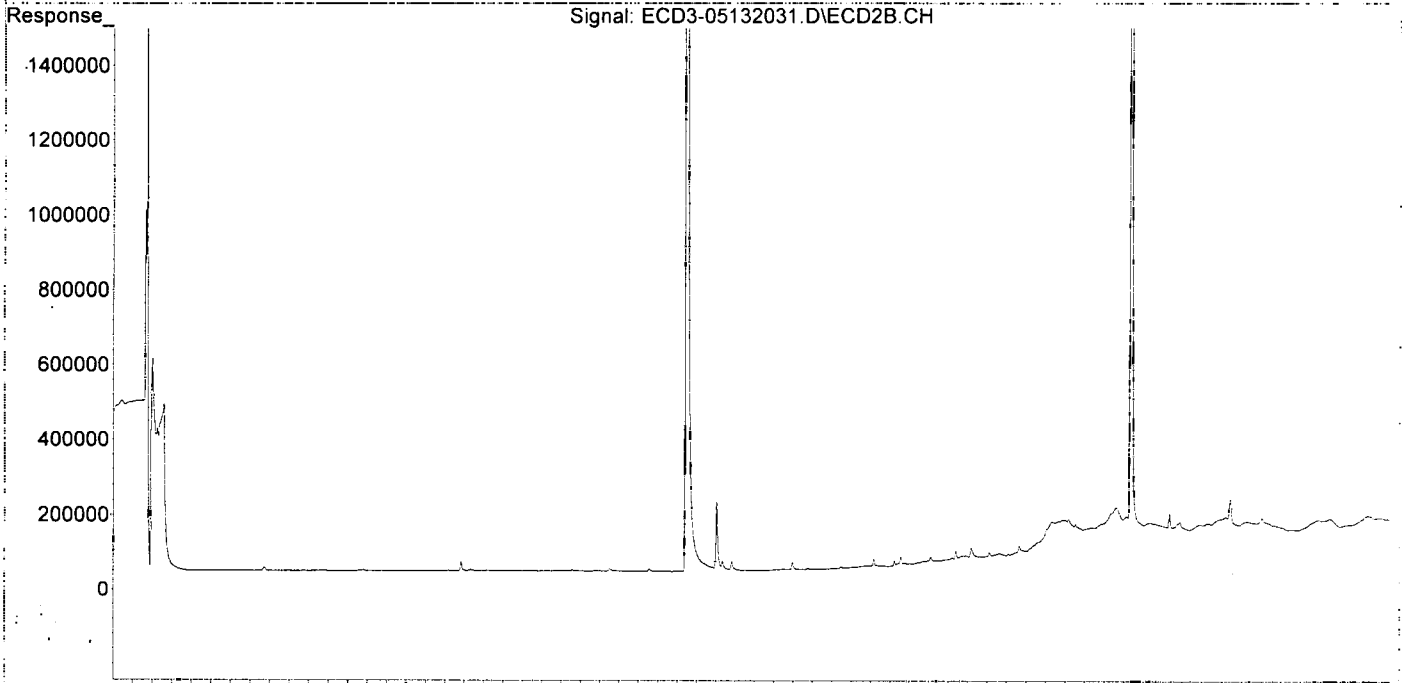
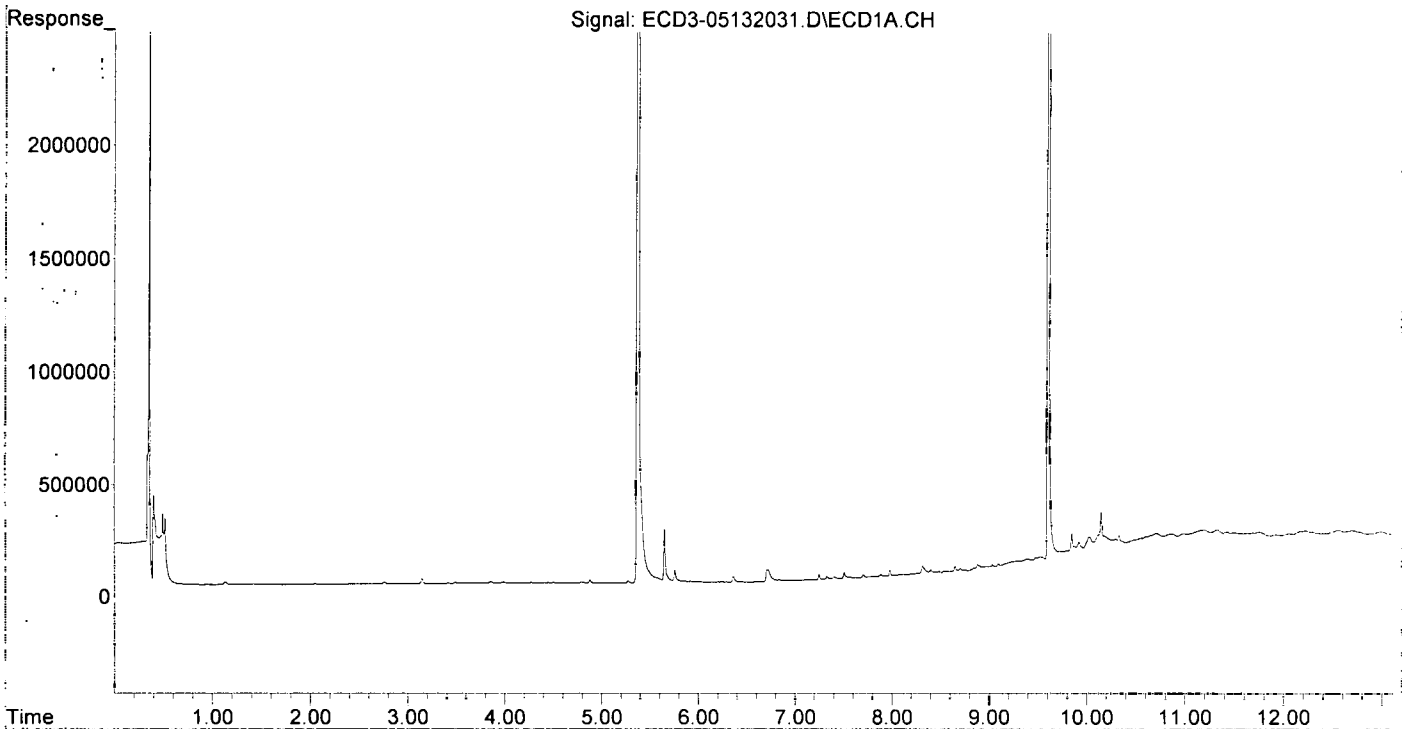
(28) 2,4'-DDD
7.706min -0.075 ng/mL
response 11646

MJB 5/14/21

(28) 2,4'-DDD #2
8.418min 3167.897 ng/mL *Q-DC*
response ~~12654~~

Data Path : C:\msdchem\3\data\2020-05\0E13040\
Data File : ECD3-05132031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 May 2020 20:15
Operator : MJB
Sample : 0E13040-CCB3
Misc : A20D303
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 14 11:17:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410RT6.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0D10031 (Cal ID A0D1308) DualECD3



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0D10031**
Date: **04/10/20 10:58**

Instrument: **DUALECD3**
Calibration: **A0D1308**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D10031-BKD1	Water	QC	QC				A20C091
2	0D10031-ICB1	Water	QC	QC				A20C404
3	0D10031-CAL1	Water	QC	QC				A20D133
4	0D10031-CAL2	Water	QC	QC				A20D134
5	0D10031-CAL3	Water	QC	QC				A20C179
6	0D10031-CAL4	Water	QC	QC				A20C180
7	0D10031-CAL5	Water	QC	QC				A20C181
8	0D10031-CAL6	Water	QC	QC				A20C182
9	0D10031-CAL7	Water	QC	QC				A20C183
10	0D10031-CAL8	Water	QC	QC				A20C184
11	0D10031-CAL9	Water	QC	QC				A20C177
12	0D10031-IBL1	Water	QC	QC				
13	0D10031-ICV1	Water	QC	QC				A20C164
14	0D10031-CALA	Water	QC	QC				A20D135
15	0D10031-CALB	Water	QC	QC				A20C353
16	0D10031-CALC	Water	QC	QC				A20C354
17	0D10031-CALD	Water	QC	QC				A20C355
18	0D10031-CALE	Water	QC	QC				A20C356
19	0D10031-CALF	Water	QC	QC				A20C357
20	0D10031-CALG	Water	QC	QC				A20C358
21	0D10031-CALH	Water	QC	QC				A20C359
22	0D10031-CALI	Water	QC	QC				A20C352
23	0D10031-IBL2	Water	QC	QC				
24	0D10031-ICV2	Water	QC	QC				A20C360
25	0D10031-CALJ	Water	QC	QC				A20D136
26	0D10031-CALK	Water	QC	QC				A19K307
27	0D10031-CALL	Water	QC	QC				A19K308
28	0D10031-CALM	Water	QC	QC				A19K309
29	0D10031-CALN	Water	QC	QC				A19K310
30	0D10031-CALO	Water	QC	QC				A19K311
31	0D10031-CALP	Water	QC	QC				A19K306
32	0D10031-IBL3	Water	QC	QC				
33	0D10031-ICV3	Water	QC	QC				A19K312
34	0D10031-CALQ	Water	QC	QC				A20D137
35	0D10031-CALR	Water	QC	QC				A19J417
36	0D10031-CALS	Water	QC	QC				A19J418
37	0D10031-CALT	Water	QC	QC				A19J419
38	0D10031-CALU	Water	QC	QC				A19J420
39	0D10031-CALV	Water	QC	QC				A19J421
40	0D10031-CALW	Water	QC	QC				A19J416
41	0D10031-IBL4	Water	QC	QC				
42	0D10031-ICV4	Water	QC	QC				A19J422

Data Entered By: MJB 4/13/20

Comments:

Data Reviewed By: MYA 4/14/20

Calibration Status Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200410.M
 Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response Via : Initial Calibration

A0D1308

*MJB
4/13/20*

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102036.D
2	2	50	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102037.D
3	3	100	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102038.D
4	4	200	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102039.D
5	5	500	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102040.D
6	6	1000	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102041.D
7	7	2000	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102042.D
8	8	-1	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102023.D
9	9	-1	0	C:\msdchem\3\data\2020-04\0D10031\ECD3-04102024.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Apr 13 12:06 2020	Apr 13 11:59 2020	10 Apr 2020 21:14
2	2	Apr 13 12:06 2020	Apr 13 11:59 2020	10 Apr 2020 21:31
3	3	Apr 13 12:06 2020	Apr 13 12:00 2020	10 Apr 2020 21:48
4	4	Apr 13 12:06 2020	Apr 13 12:00 2020	10 Apr 2020 22:05
5	5	Apr 13 12:06 2020	Apr 13 11:57 2020	10 Apr 2020 22:22
6	6	Apr 13 12:07 2020	Apr 13 12:01 2020	10 Apr 2020 22:39
7	7	Apr 13 12:07 2020	Apr 13 12:01 2020	10 Apr 2020 22:56
8	8	Apr 13 12:04 2020	Apr 13 11:47 2020	10 Apr 2020 17:31
9	9	Apr 13 12:05 2020	Apr 13 11:48 2020	10 Apr 2020 17:49

ECD3_QUANTPEST_200410.M Mon Apr 13 14:58:38 2020

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200410.M
 Title : Instrument: DualeCD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD3-04102036.D 2 =ECD3-04102037.D 3 =ECD3-04102038.D
 4 =ECD3-04102039.D 5 =ECD3-04102040.D 6 =ECD3-04102041.D

MJB
4/13/20

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.715	1.506	1.473	1.455	1.450	1.448	1.481	E5 6.31
2) a-BHC	2.122	1.988	1.930	2.024	1.992	1.988	2.023	E5 3.34
3) g-BHC	1.824	1.630	1.654	1.730	1.722	1.717	1.727	E5 3.88
4) b-BHC	7.442	6.610	6.673	6.535	6.218	6.724	6.822	E4 6.38
5) Heptachlor	1.768	1.623	1.559	1.599	1.629	1.594	1.637	E5 4.45
6) d-BHC	1.325	1.233	1.290	1.339	1.349	1.408	1.404	E5 10.13
7) Aldrin	1.841	1.654	1.655	1.676	1.665	1.648	1.676	E5 4.23
8) Heptachlor Ex...	1.827	1.604	1.559	1.561	1.525	1.502	1.564	E5 6.85
9) trans-Chlordane	1.756	1.604	1.544	1.559	1.503	1.526	1.574	E5 5.00
10) cis-Chlordane	1.979	1.624	1.550	1.568	1.485	1.481	1.570	E5 10.41
11) Endosulfan I	1.649	1.454	1.421	1.425	1.386	1.387	1.435	E5 6.02
12) 4,4'-DDE	1.533	1.324	1.323	1.426	1.382	1.470	1.443	E5 6.21
13) Dieldrin	1.733	1.607	1.560	1.611	1.588	1.595	1.607	E5 3.58
14) Endrin	1.267	1.188	1.166	1.202	1.200	1.219	1.234	E5 4.79
15) 4,4'-DDD	1.353	1.183	1.146	1.161	1.144	1.223	1.214	E5 6.23
16) Endosulfan II	1.342	1.197	1.167	1.179	1.208	1.186	1.211	E5 4.83
17) 4,4'-DDT	0.748	0.735	0.727	0.805	0.875	0.983	0.915	E5 19.93
18) Endrin Aldehyde	1.471	1.273	1.189	1.091	1.043	1.029	1.131	E5 13.77
19) Endosulfan Su...	1.449	1.264	1.166	1.161	1.142	1.136	1.205	E5 8.32
20) Methoxychlor	3.882	3.901	3.715	4.095	4.277	4.459	4.409	E4 15.01
21) Endrin Ketone	1.669	1.529	1.427	1.377	1.381	1.378	1.440	E5 6.91
22) S DCBP (S)	1.575	1.354	1.248	1.174	1.131	1.091	1.203	E5 14.04
23) Hexachlorobut...	2.246	2.110	1.907	1.716	1.690	1.695	1.818	E5 12.52
24) Hexachloroben...	1.818	1.715	1.475	1.349	1.319	1.364	1.462	E5 12.33
25) Oxychlordane	1.742	1.677	1.480	1.294	1.300	1.312	1.410	E5 12.87
26) 2,4'-DDE	1.198	1.144	0.989	0.898	0.889	0.948	0.985	E5 11.23
27) trans-Nonachlor	1.945	1.897	1.599	1.444	1.431	1.445	1.566	E5 13.43
28) 2,4'-DDD	1.131	1.060	0.937	0.805	0.810	0.840	0.893	E5 13.79
29) 2,4'-DDT	8.331	7.798	6.699	6.879	6.654	7.564	7.528	E4 8.60
30) cis-Nonachlor	2.119	1.973	1.711	1.560	1.525	1.573	1.680	E5 12.96
31) Mirex	1.648	1.479	1.245	1.043	0.977	0.978	1.142	E5 22.68
32) Chlordane (1)	1.819	1.720	1.921	1.773	1.651	1.630	1.765	E4 5.96
33) Chlordane (2)	2.244	2.041	2.178	2.064	1.970	1.892	2.072	E4 5.79
34) Chlordane (3)	5.553	5.048	5.253	5.557	5.280	4.919	5.321	E3 5.15
35) Chlordane - AVE							0.000	-1.00
36) Toxaphene (1)	9.912	8.400	8.331	7.673	8.012	7.939	8.324	E2 8.91
37) Toxaphene (2)	1.556	1.650	1.565	1.430	1.458	1.454	1.507	E3 5.60
38) Toxaphene (3)	3.245	3.178	3.117	2.931	3.081	3.093	3.110	E3 3.11
39) Toxaphene (4)	4.482	3.166	3.038	2.826	2.886	2.982	3.210	E3 17.84
40) Toxaphene (5)	2.349	2.383	2.296	2.196	2.344	2.385	2.355	E3 4.31
41) Toxaphene (6)	3.417	3.020	2.911	2.796	2.936	3.017	3.033	E3 6.58
42) Toxaphene - AVE							0.000	-1.00

Signal #2 Calibration Files

1 =ECD3-04102036.D 2 =ECD3-04102037.D 3 =ECD3-04102038.D
 4 =ECD3-04102039.D 5 =ECD3-04102040.D 6 =ECD3-04102041.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	1.460	1.272	1.211	1.204	1.165	1.117	1.179	E5 11.11
2) a-BHC	1.749	1.602	1.591	1.619	1.592	1.557	1.570	E5 5.85
3) g-BHC	1.518	1.374	1.355	1.346	1.349	1.345	1.347	E5 5.63
4) b-BHC	7.434	6.625	6.396	6.059	5.831	5.767	6.142	E4 9.57
5) Heptachlor	1.273	1.161	1.117	1.129	1.106	1.108	1.132	E5 5.02
6) d-BHC	1.327	1.184	1.170	1.242	1.223	1.241	1.222	E5 3.91
7) Aldrin	1.523	1.368	1.345	1.400	1.316	1.299	1.329	E5 7.22
8) Heptachlor Ex...	1.397	1.220	1.205	1.182	1.175	1.134	1.177	E5 8.28
9) trans-Chlordane	1.423	1.265	1.203	1.211	1.202	1.191	1.206	E5 8.11
10) cis-Chlordane	1.402	1.245	1.176	1.171	1.132	1.110	1.158	E5 9.62
11) Endosulfan I	1.317	1.101	1.099	1.092	1.056	1.045	1.075	E5 9.58

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200410.M
 Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD3-04102036.D 2 =ECD3-04102037.D 3 =ECD3-04102038.D
 4 =ECD3-04102039.D 5 =ECD3-04102040.D 6 =ECD3-04102041.D

Compound	1	2	3	4	5	6	Avg	%RSD
12) 4,4'-DDE	1.287	1.160	1.155	1.170	1.137	1.151	1.152	E5 5.16
13) Dieldrin	1.380	1.209	1.184	1.205	1.197	1.168	1.197	E5 6.28
14) Endrin	9.416	8.680	8.356	8.395	8.620	8.515	8.645	E4 3.83
15) 4,4'-DDD	1.174	1.015	0.922	0.933	0.890	0.885	0.944	E5 10.22
16) Endosulfan II	1.105	0.952	0.913	0.906	0.876	0.881	0.917	E5 8.21
17) 4,4'-DDT	4.956	4.972	4.466	5.203	5.787	5.986	5.810	E4 17.60
18) Endrin Aldehyde	1.175	1.001	0.959	0.848	0.811	0.781	0.876	E5 16.09
19) Endosulfan Su...	1.003	0.883	0.832	0.814	0.797	0.808	0.842	E5 7.95
20) Methoxychlor	2.382	2.492	2.341	2.548	2.694	2.757	2.779	E4 15.82
21) Endrin Ketone	1.147	1.006	0.945	0.928	0.942	0.900	0.957	E5 8.16
22) S DCBP (S)	1.009	0.816	0.766	0.729	0.702	0.664	0.732	E5 16.63
23) Hexachlorobut...	2.255	2.102	1.864	1.697	1.633	1.535	1.706	E5 18.54
24) Hexachloroben...	1.572	1.451	1.242	1.107	1.102	1.096	1.183	E5 16.97
25) Oxychlorthane	1.359	1.318	1.131	0.981	0.993	0.985	1.067	E5 15.43
26) 2,4'-DDE	1.095	1.020	0.879	0.791	0.776	0.775	0.835	E5 16.34
27) trans-Nonachlor	1.531	1.454	1.257	1.114	1.089	1.107	1.183	E5 16.06
28) 2,4'-DDD	1.012	0.933	0.791	0.684	0.666	0.659	0.740	E5 19.10
29) 2,4'-DDT	6.487	5.694	4.830	4.808	4.722	5.327	5.364	E4 10.41
30) cis-Nonachlor	1.663	1.533	1.315	1.188	1.133	1.176	1.261	E5 16.23
31) Mirex	1.209	1.009	0.836	0.739	0.672	0.688	0.790	E5 24.93
32) Chlordane (1)	1.566	1.470	1.637	1.452	1.352	1.294	1.447	E4 8.53
33) Chlordane (2)	1.389	1.266	1.360	1.254	1.131	1.110	1.236	E4 9.11
34) Chlordane (3)	5.139	3.911	3.957	3.727	3.518	3.350	3.909	E3 14.90
35) Chlordane - AVE							0.000	-1.00
36) Toxaphene (1)	1.144	1.226	1.168	1.043	1.098	1.091	1.120	E3 5.64
37) Toxaphene (2)	1.496	1.451	1.354	1.243	1.322	1.318	1.364	E3 6.25
38) Toxaphene (3)	2.612	2.290	2.111	1.974	2.062	2.069	2.170	E3 10.00
39) Toxaphene (4)	6.257	3.808	3.460	3.198	3.261	3.309	3.806	E3 28.89
40) Toxaphene (5)	2.393	1.988	1.860	1.779	1.865	1.879	1.952	E3 10.46
41) Toxaphene (6)	2.434	2.064	1.943	1.851	1.918	1.938	2.024	E3 9.56
42) Toxaphene - AVE							0.000	-1.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200410.M
 Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response Via : Initial Calibration

Total Cpnds : 85

MJB
4/13/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.562	1.000	A	H	R
2	a-BHC	6.108	1.000	A	H	R
3	g-BHC	6.395	1.000	A	H	R
4	b-BHC	6.470	1.000	A	H	R
5	Heptachlor	6.808	1.000	A	H	R
6	d-BHC	6.624	1.000	A	H	R
7	Aldrin	7.053	1.000	A	H	R
8	Heptachlor Expoxide	7.520	1.000	A	H	R
9	trans-Chlordane	7.615	1.000	A	H	R
10	cis-Chlordane	7.713	1.000	A	H	R
11	Endosulfan I	7.814	1.000	A	H	R
12	4,4'-DDE	7.772	1.000	A	H	R
13	Dieldrin	7.987	1.000	A	H	R
14	Endrin	8.154	1.000	A	H	R
15	4,4'-DDD	8.200	1.000	A	H	R
16	Endosulfan II	8.313	1.000	A	H	R
17	4,4'-DDT	8.398	1.000	Q	H	R
18	Endrin Aldehyde	8.606	1.000	Q	H	R
19	Endosulfan Sulfate	8.912	1.000	A	H	R
20	Methoxychlor	8.737	1.000	Q	H	R
21	Endrin Ketone	9.109	1.000	Q	H	R
22	S DCBP (S)	9.807	1.000	Q	H	R
23	Hexachlorobutadiene	3.341	1.000	Q	H	R
24	Hexachlorobenzene	5.947	1.000	Q	H	R
25	Oxychlordane	7.446	1.000	Q	H	R
26	2,4'-DDE	7.519	1.000	Q	H	R
27	trans-Nonachlor	7.703	1.000	Q	H	R
28	2,4'-DDD	7.896	1.000	Q	H	R
29	2,4'-DDT	8.081	1.000	A	H	R
30	cis-Nonachlor	8.179	1.000	Q	H	R
31	Mirex	8.856	1.000	Q	H	R
32	Chlordane (1)	7.613	1.000	A	H	R
33	Chlordane (2)	7.707	1.000	A	H	R
34	Chlordane (3)	8.264	1.000	A	H	R
35	Chlordane - AVE	3.819	1.000	A	H	R
36	Toxaphene (1)	7.685	1.000	A	H	R
37	Toxaphene (2)	7.982	1.000	A	H	R
38	Toxaphene (3)	8.298	1.000	A	H	R
39	Toxaphene (4)	8.540	1.000	Q	H	R
40	Toxaphene (5)	8.772	1.000	A	H	R
41	Toxaphene (6)	8.842	1.000	A	H	R
42	Toxaphene - AVE	3.821	1.000	A	H	R
43	Signal #2	3.792	1.000	A	H	R
44	S TCMX (S) #2	6.061	1.000	Q	H	R
45	a-BHC #2	6.674	1.000	A	H	R
46	g-BHC #2	6.993	1.000	A	H	R
47	b-BHC #2	7.057	1.000	A	H	R
48	Heptachlor #2	7.371	1.000	A	H	R
49	d-BHC #2	7.315	1.000	A	H	R
50	Aldrin #2	7.640	1.000	A	H	R
51	Heptachlor Expoxide #2	8.082	1.000	A	H	R
52	trans-Chlordane #2	8.222	1.000	A	H	R
53	cis-Chlordane #2	8.331	1.000	A	H	R
54	Endosulfan I #2	8.382	1.000	A	H	R
55	4,4'-DDE #2	8.584	1.000	A	H	R
56	Dieldrin #2	8.584	1.000	A	H	R

57	Endrin #2	8.814	1.000	A	H	R
58	4,4'-DDD #2	8.856	1.000	A	H	R
59	Endosulfan II #2	8.962	1.000	A	H	R
60	4,4'-DDT #2	9.084	1.000	Q	H	R
61	Endrin Aldehyde #2	9.201	1.000	Q	H	R
62	Endosulfan Sulfate #2	9.392	1.000	A	H	R
63	Methoxychlor #2	9.567	1.000	Q	H	R
64	Endrin Ketone #2	9.797	1.000	A	H	R
65	S DCBP (S) #2	10.678	1.000	P	H	R
66	Hexachlorobutadiene #2	3.735	1.000	P	H	R
67	Hexachlorobenzene #2	6.532	1.000	P	H	R
68	Oxychlorane #2	8.009	1.000	P	H	R
69	2,4'-DDE #2	8.214	1.000	P	H	R
70	trans-Nonachlor #2	8.285	1.000	P	H	R
71	2,4'-DDD #2	8.591	1.000	P	H	R
72	2,4'-DDT #2	8.816	1.000	A	H	R
73	cis-Nonachlor #2	8.856	1.000	Q	H	R
74	Mirex #2	9.789	1.000	Q	H	R
75	Chlordane (1) #2	8.220	1.000	A	H	R
76	Chlordane (2) #2	8.329	1.000	A	H	R
77	Chlordane (3) #2	8.996	1.000	Q	H	R
78	Chlordane - AVE #2	3.789	1.000	A	H	R
79	Toxaphene (1) #2	8.556	1.000	A	H	R
80	Toxaphene (2) #2	8.906	1.000	A	H	R
81	Toxaphene (3) #2	8.941	1.000	A	H	R
82	Toxaphene (4) #2	9.009	1.000	Q	H	R
83	Toxaphene (5) #2	9.187	1.000	Q	H	R
84	Toxaphene (6) #2	9.572	1.000	A	H	R
85	Toxaphene - AVE #2	3.789	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_200410.M Mon Apr 13 14:58:48 2020

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

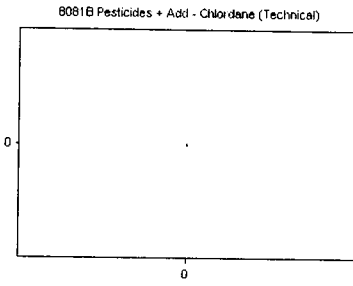
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

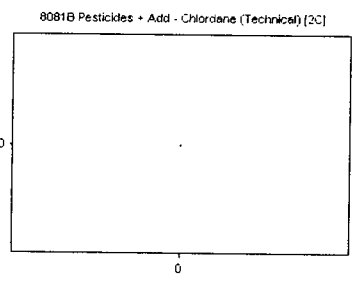


Standard	Concentration	Response	Response Factor	RT
0D10031-CALJ	10	0	0.000	0.00
0D10031-CALK	50	0	0.000	0.00
0D10031-CALL	100	0	0.000	0.00
0D10031-CALM	200	0	0.000	0.00
0D10031-CALN	500	0	0.000	0.00
0D10031-CALO	1000	0	0.000	0.00
0D10031-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

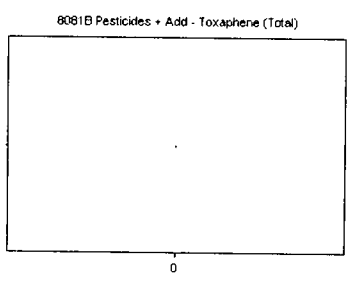


Standard	Concentration	Response	Response Factor	RT
0D10031-CALJ	10	0	0.000	0.00
0D10031-CALK	50	0	0.000	0.00
0D10031-CALL	100	0	0.000	0.00
0D10031-CALM	200	0	0.000	0.00
0D10031-CALN	500	0	0.000	0.00
0D10031-CALO	1000	0	0.000	0.00
0D10031-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

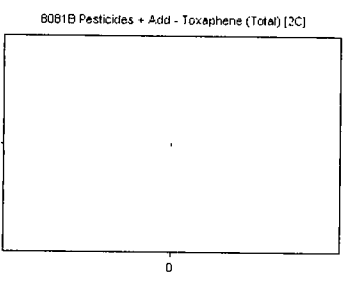


Standard	Concentration	Response	Response Factor	RT
0D10031-CALQ	10	0	0.000	0.00
0D10031-CALR	50	0	0.000	0.00
0D10031-CALS	100	0	0.000	0.00
0D10031-CALT	200	0	0.000	0.00
0D10031-CALU	500	0	0.000	0.00
0D10031-CALV	1000	0	0.000	0.00
0D10031-CALW	2000	0	0.000	0.00

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
0D10031-CALQ	10	0	0.000	0.00
0D10031-CALR	50	0	0.000	0.00
0D10031-CALS	100	0	0.000	0.00
0D10031-CALT	200	0	0.000	0.00
0D10031-CALU	500	0	0.000	0.00
0D10031-CALV	1000	0	0.000	0.00
0D10031-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: **A0D1308**

Instrument: **DUALECD3**

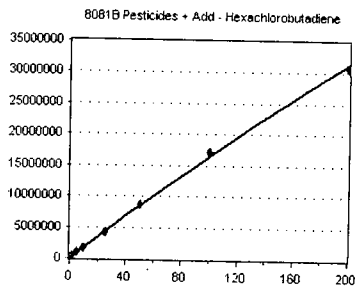
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

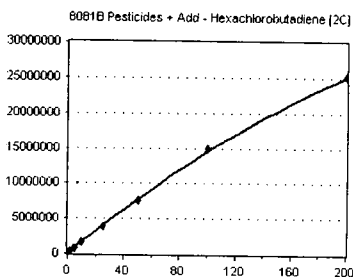


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	112302	224604.000	3.34
OD10031-CALB	1	210953	210953.000	3.34
OD10031-CALC	2	381441	190720.500	3.34
OD10031-CALD	5	857802	171560.400	3.34
OD10031-CALE	10	1689587	168958.700	3.34
OD10031-CALF	25	4236498	169459.900	3.34
OD10031-CALG	50	8735674	174713.500	3.34
OD10031-CALH	100	1.720714E+07	172071.400	3.34
OD10031-CALI	200	3.065493E+07	153274.700	3.34

AVE RF 181812.900 RF RSD 12.52 AVE RT 3.34

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

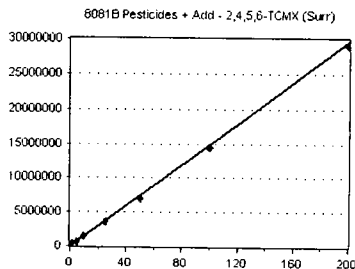


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	112755	225510.000	3.74
OD10031-CALB	1	210162	210162.000	3.74
OD10031-CALC	2	372830	186415.000	3.74
OD10031-CALD	5	848292	169658.400	3.74
OD10031-CALE	10	1632647	163264.700	3.74
OD10031-CALF	25	3836415	153456.600	3.74
OD10031-CALG	50	7661028	153220.600	3.74
OD10031-CALH	100	1.484303E+07	148430.300	3.74
OD10031-CALI	200	2.50979E+07	125489.500	3.74

AVE RF 170623.000 RF RSD 18.54 AVE RT 3.74

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

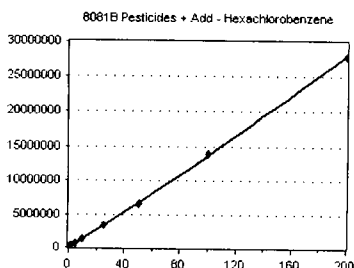


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	85749	171498.000	5.56
OD10031-CAL2	1	150599	150599.000	5.56
OD10031-CAL3	2	294629	147314.500	5.56
OD10031-CAL4	5	727524	145504.800	5.56
OD10031-CAL5	10	1449955	144995.500	5.56
OD10031-CAL6	25	3620730	144829.200	5.56
OD10031-CAL7	50	6908561	138171.200	5.56
OD10031-CAL8	100	1.450896E+07	145089.600	5.56
OD10031-CAL9	200	2.899233E+07	144961.700	5.56

AVE RF 148107.100 RF RSD 6.31 AVE RT 5.56

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	90891	181782.000	5.95
OD10031-CALB	1	171487	171487.000	5.95
OD10031-CALC	2	294999	147499.500	5.95
OD10031-CALD	5	674330	134866.000	5.95
OD10031-CALE	10	1319038	131903.800	5.95
OD10031-CALF	25	3410831	136433.200	5.95
OD10031-CALG	50	6661991	133239.800	5.95
OD10031-CALH	100	1.39059E+07	139059.000	5.95
OD10031-CALI	200	2.79172E+07	139586.000	5.95

AVE RF 146206.300 RF RSD 12.33 AVE RT 5.95

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

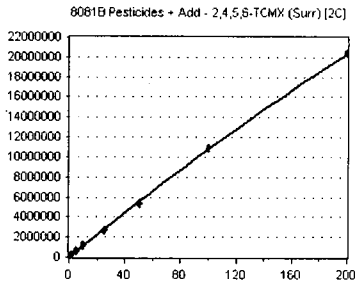
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

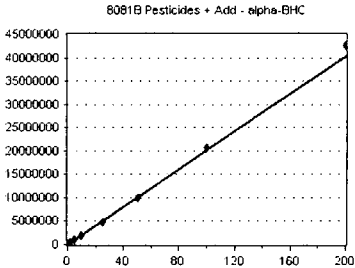


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	73007	146014.000	6.06
OD10031-CAL2	1	127191	127191.000	6.06
OD10031-CAL3	2	242169	121084.500	6.06
OD10031-CAL4	5	601812	120362.400	6.06
OD10031-CAL5	10	1164651	116465.100	6.06
OD10031-CAL6	25	2793596	111743.800	6.06
OD10031-CAL7	50	5350810	107016.200	6.06
OD10031-CAL8	100	1.094267E+07	109426.700	6.06
OD10031-CAL9	200	2.04145E+07	102072.500	6.06

AVE RF 117930.700 RF RSD 11.11 AVE RT 6.06

alpha-BHC

Curve Fit: **AVERAGE RF**

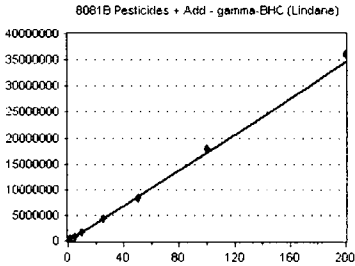


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	106090	212180.000	6.11
OD10031-CAL2	1	198771	198771.000	6.11
OD10031-CAL3	2	386030	193015.000	6.11
OD10031-CAL4	5	1011773	202354.600	6.11
OD10031-CAL5	10	1992062	199206.200	6.11
OD10031-CAL6	25	4970390	198815.600	6.11
OD10031-CAL7	50	9856715	197134.300	6.11
OD10031-CAL8	100	2.069031E+07	206903.100	6.11
OD10031-CAL9	200	4.245424E+07	212271.200	6.11

AVE RF 202294.600 RF RSD 3.34 AVE RT 6.11

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

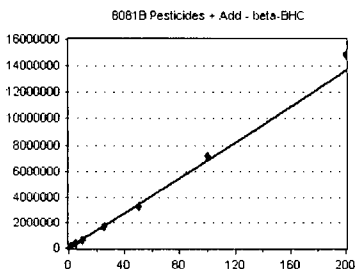


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	91195	182390.000	6.39
OD10031-CAL2	1	162951	162951.000	6.39
OD10031-CAL3	2	330735	165367.500	6.40
OD10031-CAL4	5	864784	172956.800	6.40
OD10031-CAL5	10	1722298	172229.800	6.40
OD10031-CAL6	25	4292566	171702.600	6.40
OD10031-CAL7	50	8390299	167806.000	6.40
OD10031-CAL8	100	1.785213E+07	178521.300	6.40
OD10031-CAL9	200	3.604254E+07	180212.700	6.40

AVE RF 172682.000 RF RSD 3.88 AVE RT 6.39

beta-BHC

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	37211	74422.000	6.47
OD10031-CAL2	1	66101	66101.000	6.47
OD10031-CAL3	2	133460	66730.000	6.47
OD10031-CAL4	5	326774	65354.800	6.47
OD10031-CAL5	10	621775	62177.500	6.47
OD10031-CAL6	25	1680896	67235.840	6.47
OD10031-CAL7	50	3275829	65516.580	6.47
OD10031-CAL8	100	7197743	71977.430	6.47
OD10031-CAL9	200	1.489687E+07	74484.350	6.47

AVE RF 68222.170 RF RSD 6.38 AVE RT 6.47

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

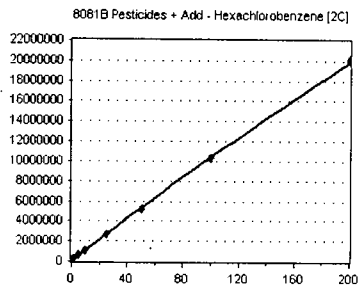
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Hexachlorobenzene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

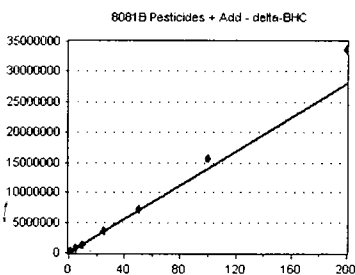


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	78616	157232.000	6.53
OD10031-CALB	1	145117	145117.000	6.53
OD10031-CALC	2	248384	124192.000	6.53
OD10031-CALD	5	553413	110682.600	6.53
OD10031-CALE	10	1101770	110177.000	6.53
OD10031-CALF	25	2741174	109647.000	6.53
OD10031-CALG	50	5176901	103538.000	6.53
OD10031-CALH	100	1.034226E+07	103422.600	6.53
OD10031-CALI	200	2.010664E+07	100533.200	6.53

AVE RF 118282.400 RF RSD 16.97 AVE RT 6.53

delta-BHC

Curve Fit: **AVERAGE RF**

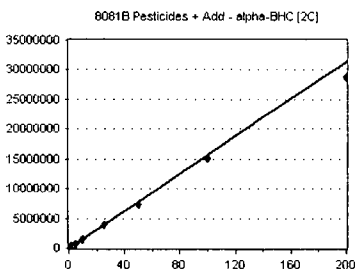


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	66268	132536.000	6.63
OD10031-CAL2	1	123295	123295.000	6.63
OD10031-CAL3	2	258031	129015.500	6.63
OD10031-CAL4	5	669294	133858.800	6.63
OD10031-CAL5	10	1348815	134881.500	6.63
OD10031-CAL6	25	3518783	140751.300	6.62
OD10031-CAL7	50	7200622	144012.400	6.62
OD10031-CAL8	100	1.565439E+07	156543.900	6.62
OD10031-CAL9	200	3.368315E+07	168415.800	6.62

AVE RF 140367.800 RF RSD 10.13 AVE RT 6.63

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

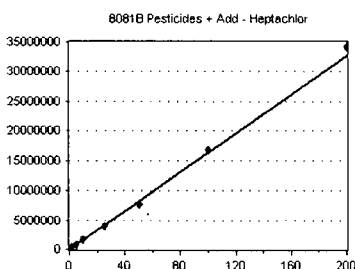


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	87452	174904.000	6.67
OD10031-CAL2	1	160189	160189.000	6.67
OD10031-CAL3	2	318129	159064.500	6.67
OD10031-CAL4	5	809491	161898.200	6.67
OD10031-CAL5	10	1592422	159242.200	6.67
OD10031-CAL6	25	3891920	155676.800	6.67
OD10031-CAL7	50	7382419	147648.400	6.67
OD10031-CAL8	100	1.505405E+07	150540.500	6.67
OD10031-CAL9	200	2.871933E+07	143596.700	6.67

AVE RF 156973.400 RF RSD 5.85 AVE RT 6.67

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	88422	176844.000	6.81
OD10031-CAL2	1	162313	162313.000	6.81
OD10031-CAL3	2	311735	155867.500	6.81
OD10031-CAL4	5	799546	159909.200	6.81
OD10031-CAL5	10	1629185	162918.500	6.81
OD10031-CAL6	25	3984158	159366.300	6.81
OD10031-CAL7	50	7786801	155736.000	6.81
OD10031-CAL8	100	1.693212E+07	169321.200	6.81
OD10031-CAL9	200	3.429158E+07	171457.900	6.81

AVE RF 163748.200 RF RSD 4.45 AVE RT 6.81

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

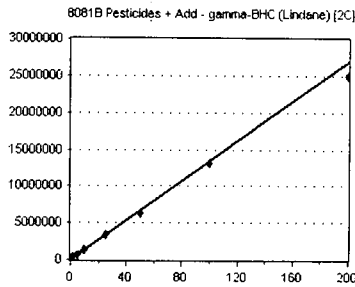
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

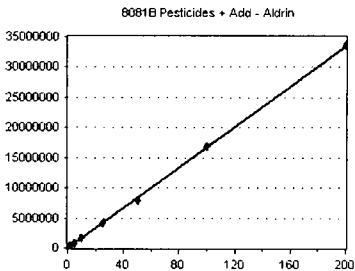


Standard	Concentration	Response	Response Factor	RT
0D10031-CAL1	0.5	75918	151836.000	6.99
0D10031-CAL2	1	137359	137359.000	6.99
0D10031-CAL3	2	271046	135523.000	6.99
0D10031-CAL4	5	673024	134604.800	6.99
0D10031-CAL5	10	1349252	134925.200	6.99
0D10031-CAL6	25	3362986	134519.400	6.99
0D10031-CAL7	50	6395054	127901.100	6.99
0D10031-CAL8	100	1.311753E+07	131175.300	6.99
0D10031-CAL9	200	2.493691E+07	124684.500	7.00

AVE RF 134725.400 RF RSD 5.63 AVE RT 6.99

Aldrin

Curve Fit: **AVERAGE RF**

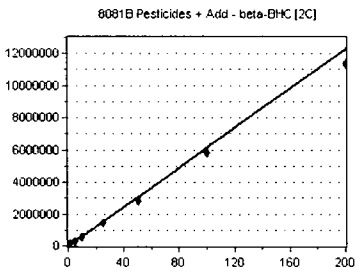


Standard	Concentration	Response	Response Factor	RT
0D10031-CAL1	0.5	92070	184140.000	7.05
0D10031-CAL2	1	165393	165393.000	7.05
0D10031-CAL3	2	330949	165474.500	7.05
0D10031-CAL4	5	838045	167609.000	7.05
0D10031-CAL5	10	1665359	166535.900	7.05
0D10031-CAL6	25	4119405	164776.200	7.05
0D10031-CAL7	50	7862388	157247.800	7.05
0D10031-CAL8	100	1.687464E+07	168746.400	7.05
0D10031-CAL9	200	3.376914E+07	168845.700	7.05

AVE RF 167640.900 RF RSD 4.23 AVE RT 7.05

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

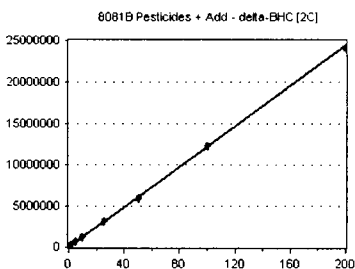


Standard	Concentration	Response	Response Factor	RT
0D10031-CAL1	0.5	37170	74340.000	7.06
0D10031-CAL2	1	66254	66254.000	7.06
0D10031-CAL3	2	127912	63956.000	7.06
0D10031-CAL4	5	302941	60588.200	7.06
0D10031-CAL5	10	583118	58311.800	7.06
0D10031-CAL6	25	1441819	57672.760	7.06
0D10031-CAL7	50	2819965	56399.300	7.06
0D10031-CAL8	100	5838273	58382.730	7.06
0D10031-CAL9	200	1.136866E+07	56843.300	7.06

AVE RF 61416.450 RF RSD 9.57 AVE RT 7.06

delta-BHC [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D10031-CAL1	0.5	66365	132730.000	7.32
0D10031-CAL2	1	118368	118368.000	7.32
0D10031-CAL3	2	234036	117018.000	7.32
0D10031-CAL4	5	620859	124171.800	7.32
0D10031-CAL5	10	1223432	122343.200	7.32
0D10031-CAL6	25	3102871	124114.800	7.32
0D10031-CAL7	50	5907599	118152.000	7.32
0D10031-CAL8	100	1.23279E+07	123279.000	7.32
0D10031-CAL9	200	2.398912E+07	119945.600	7.32

AVE RF 122235.800 RF RSD 3.91 AVE RT 7.32

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

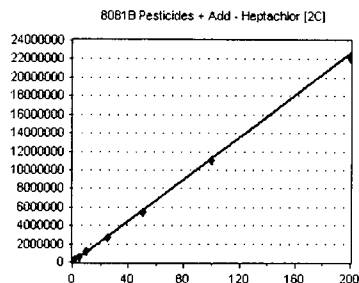
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

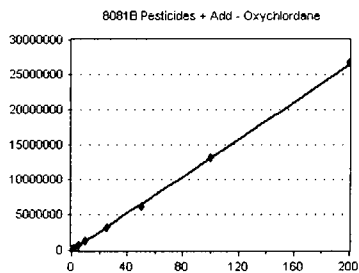


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	63633	127266.000	7.37
OD10031-CAL2	1	116127	116127.000	7.37
OD10031-CAL3	2	223319	111659.500	7.37
OD10031-CAL4	5	564693	112938.600	7.37
OD10031-CAL5	10	1105625	110562.500	7.37
OD10031-CAL6	25	2769954	110798.200	7.37
OD10031-CAL7	50	5432137	108642.700	7.37
OD10031-CAL8	100	1.099804E+07	109980.400	7.37
OD10031-CAL9	200	2.216973E+07	110848.600	7.37

AVE RF 113202.600 RF RSD 5.02 AVE RT 7.37

Oxychlorthane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

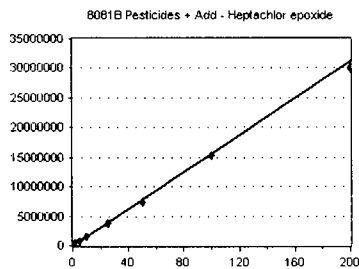


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	87083	174166.000	7.45
OD10031-CALB	1	167657	167657.000	7.45
OD10031-CALC	2	296003	148001.500	7.45
OD10031-CALD	5	646772	129354.400	7.45
OD10031-CALE	10	1300026	130002.600	7.45
OD10031-CALF	25	3280717	131228.700	7.45
OD10031-CALG	50	6240780	124815.600	7.45
OD10031-CALH	100	1.306324E+07	130632.400	7.45
OD10031-CALI	200	2.669499E+07	133475.000	7.45

AVE RF 141037.000 RF RSD 12.87 AVE RT 7.45

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

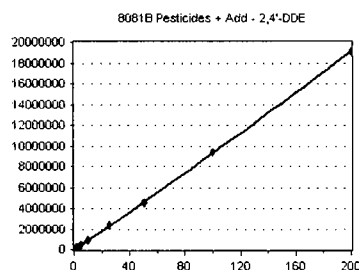


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	91327	182654.000	7.52
OD10031-CAL2	1	160396	160396.000	7.52
OD10031-CAL3	2	311852	155926.000	7.52
OD10031-CAL4	5	780587	156117.400	7.52
OD10031-CAL5	10	1525229	152522.900	7.52
OD10031-CAL6	25	3754002	150160.100	7.52
OD10031-CAL7	50	7294406	145888.100	7.52
OD10031-CAL8	100	1.538196E+07	153819.600	7.52
OD10031-CAL9	200	2.99929E+07	149964.500	7.52

AVE RF 156383.200 RF RSD 6.85 AVE RT 7.52

2,4'-DDE

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	59883	119766.000	7.52
OD10031-CALB	1	114378	114378.000	7.52
OD10031-CALC	2	197703	98851.500	7.52
OD10031-CALD	5	448996	89799.200	7.52
OD10031-CALE	10	889087	88908.700	7.52
OD10031-CALF	25	2370241	94809.640	7.52
OD10031-CALG	50	4518917	90378.340	7.52
OD10031-CALH	100	9420136	94201.360	7.52
OD10031-CALI	200	1.911046E+07	95552.300	7.52

AVE RF 98516.120 RF RSD 11.23 AVE RT 7.52

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

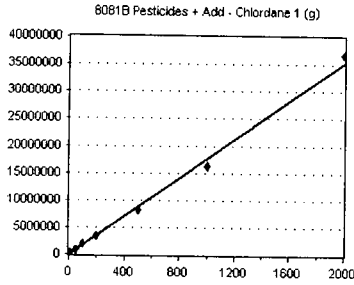
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

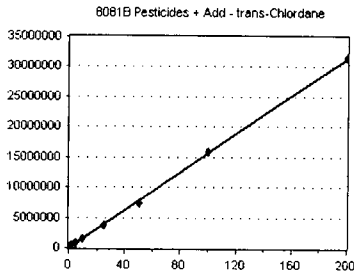


Standard	Concentration	Response	Response Factor	RT
OD10031-CALJ	10	181927	18192.700	7.62
OD10031-CALK	50	860072	17201.440	7.62
OD10031-CALL	100	1921243	19212.430	7.61
OD10031-CALM	200	3546473	17732.370	7.61
OD10031-CALN	500	8257015	16514.030	7.61
OD10031-CALO	1000	1.629781E+07	16297.810	7.61
OD10031-CALP	2000	3.680514E+07	18402.570	7.61

AVE RF 17650.480 RF RSD 5.96 AVE RT 7.61

trans-Chlordane

Curve Fit: **AVERAGE RF**

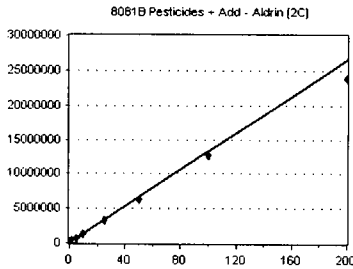


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	87797	175594.000	7.62
OD10031-CAL2	1	160412	160412.000	7.62
OD10031-CAL3	2	308851	154425.500	7.62
OD10031-CAL4	5	779273	155854.600	7.62
OD10031-CAL5	10	1502883	150288.300	7.62
OD10031-CAL6	25	3815437	152617.500	7.62
OD10031-CAL7	50	7465806	149316.100	7.62
OD10031-CAL8	100	1.593866E+07	159386.600	7.61
OD10031-CAL9	200	3.166632E+07	158331.600	7.62

AVE RF 157358.500 RF RSD 5.00 AVE RT 7.62

Aldrin [2C]

Curve Fit: **AVERAGE RF**

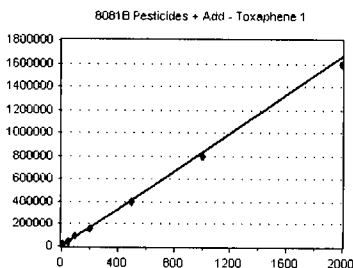


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	76126	152252.000	7.64
OD10031-CAL2	1	136778	136778.000	7.64
OD10031-CAL3	2	268918	134459.000	7.64
OD10031-CAL4	5	699880	139976.000	7.64
OD10031-CAL5	10	1316403	131640.300	7.64
OD10031-CAL6	25	3247513	129900.500	7.64
OD10031-CAL7	50	6276155	125523.100	7.64
OD10031-CAL8	100	1.262626E+07	126262.600	7.64
OD10031-CAL9	200	2.385577E+07	119278.900	7.64

AVE RF 132896.700 RF RSD 7.22 AVE RT 7.64

Toxaphene 1

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	9912	991.200	7.70
OD10031-CALR	50	41998	839.960	7.69
OD10031-CALS	100	83308	833.080	7.69
OD10031-CALT	200	153469	767.345	7.69
OD10031-CALU	500	400599	801.198	7.69
OD10031-CALV	1000	793856	793.856	7.68
OD10031-CALW	2000	1600533	800.266	7.68

AVE RF 832.415 RF RSD 8.91 AVE RT 7.69

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

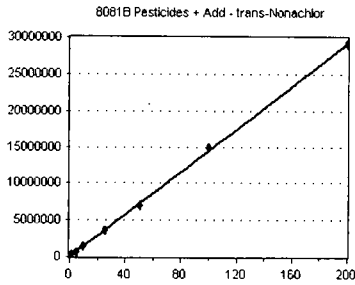
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

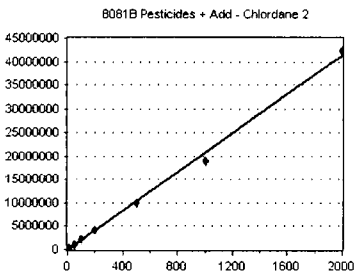


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	97265	194530.000	7.71
OD10031-CALB	1	189735	189735.000	7.71
OD10031-CALC	2	319860	159930.000	7.71
OD10031-CALD	5	722033	144406.600	7.71
OD10031-CALE	10	1431403	143140.300	7.71
OD10031-CALF	25	3612570	144502.800	7.70
OD10031-CALG	50	6909845	138196.900	7.70
OD10031-CALH	100	1.484191E+07	148419.100	7.70
OD10031-CALI	200	2.924029E+07	146201.500	7.70

AVE RF 156562.500 RF RSD 13.43 AVE RT 7.70

Chlordane 2

Curve Fit: **AVERAGE RF**

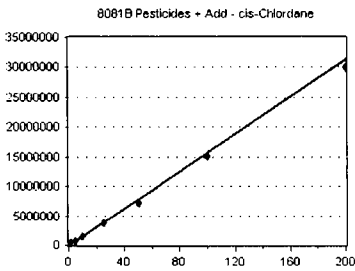


Standard	Concentration	Response	Response Factor	RT
OD10031-CALJ	10	224425	22442.500	7.71
OD10031-CALK	50	1020612	20412.240	7.71
OD10031-CALL	100	2178319	21783.190	7.71
OD10031-CALM	200	4127220	20636.100	7.71
OD10031-CALN	500	9851749	19703.500	7.71
OD10031-CALO	1000	1.892345E+07	18923.450	7.71
OD10031-CALP	2000	4.230672E+07	21153.360	7.71

AVE RF 20722.050 RF RSD 5.79 AVE RT 7.71

cis-Chlordane

Curve Fit: **AVERAGE RF**

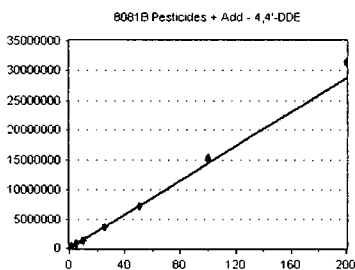


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	98925	197850.000	7.71
OD10031-CAL2	1	162363	162363.000	7.72
OD10031-CAL3	2	309955	154977.500	7.71
OD10031-CAL4	5	784009	156801.800	7.71
OD10031-CAL5	10	1485434	148543.400	7.71
OD10031-CAL6	25	3703571	148142.800	7.71
OD10031-CAL7	50	7133255	142665.100	7.71
OD10031-CAL8	100	1.510384E+07	151038.400	7.71
OD10031-CAL9	200	3.006937E+07	150346.800	7.71

AVE RF 156969.900 RF RSD 10.41 AVE RT 7.71

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	76638	153276.000	7.77
OD10031-CAL2	1	132356	132356.000	7.78
OD10031-CAL3	2	264579	132289.500	7.77
OD10031-CAL4	5	712814	142562.800	7.77
OD10031-CAL5	10	1382476	138247.600	7.77
OD10031-CAL6	25	3675424	147017.000	7.77
OD10031-CAL7	50	7150986	143019.700	7.77
OD10031-CAL8	100	1.529286E+07	152928.600	7.77
OD10031-CAL9	200	3.131499E+07	156575.000	7.77

AVE RF 144252.500 RF RSD 6.21 AVE RT 7.77

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

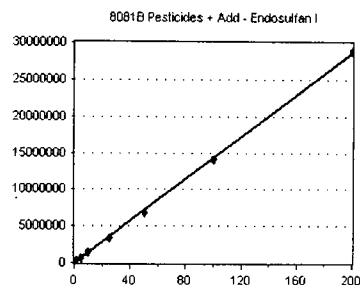
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Endosulfan I

Curve Fit: **AVERAGE RF**

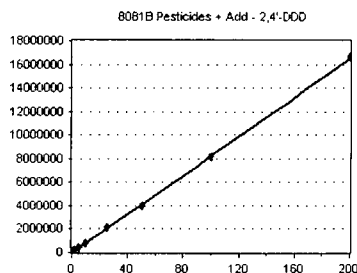


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	82435	164870.000	7.82
OD10031-CAL2	1	145356	145356.000	7.82
OD10031-CAL3	2	284291	142145.500	7.82
OD10031-CAL4	5	712441	142488.200	7.82
OD10031-CAL5	10	1386208	138620.800	7.82
OD10031-CAL6	25	3466454	138658.200	7.81
OD10031-CAL7	50	6731758	134635.200	7.81
OD10031-CAL8	100	1.407242E+07	140724.200	7.81
OD10031-CAL9	200	2.883958E+07	144197.900	7.81

AVE RF 143521.800 RF RSD 6.02 AVE RT 7.81

2,4'-DDD

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

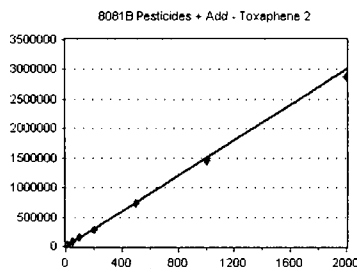


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	56544	113088.000	7.90
OD10031-CALB	1	106028	106028.000	7.90
OD10031-CALC	2	187358	93679.000	7.90
OD10031-CALD	5	402442	80488.400	7.90
OD10031-CALE	10	809760	80976.000	7.90
OD10031-CALF	25	2101228	84049.120	7.90
OD10031-CALG	50	4001953	80039.060	7.90
OD10031-CALH	100	8200834	82008.340	7.90
OD10031-CALI	200	1.6682E+07	83410.000	7.90

AVE RF 89307.320 RF RSD 13.79 AVE RT 7.90

Toxaphene 2

Curve Fit: **AVERAGE RF**

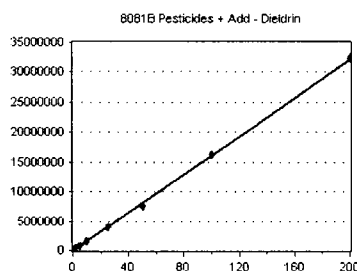


Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	15559	1555.900	7.99
OD10031-CALR	50	82518	1650.360	7.99
OD10031-CALS	100	156502	1565.020	7.99
OD10031-CALT	200	286085	1430.425	7.98
OD10031-CALU	500	728788	1457.576	7.98
OD10031-CALV	1000	1453876	1453.876	7.98
OD10031-CALW	2000	2869354	1434.677	7.98

AVE RF 1506.833 RF RSD 5.60 AVE RT 7.98

Dieldrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	86632	173264.000	7.99
OD10031-CAL2	1	160736	160736.000	7.99
OD10031-CAL3	2	311986	155993.000	7.99
OD10031-CAL4	5	805257	161051.400	7.99
OD10031-CAL5	10	1588078	158807.800	7.99
OD10031-CAL6	25	3986579	159463.200	7.99
OD10031-CAL7	50	7608328	152166.600	7.99
OD10031-CAL8	100	1.630012E+07	163001.200	7.99
OD10031-CAL9	200	3.238647E+07	161932.300	7.99

AVE RF 160712.800 RF RSD 3.58 AVE RT 7.99

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

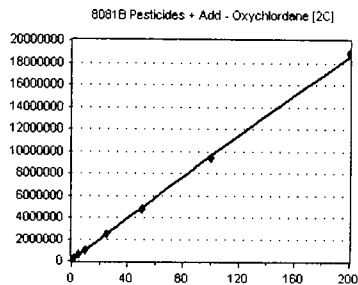
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Oxychlorane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

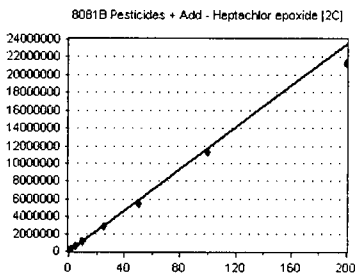


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	67961	135922.000	8.01
OD10031-CALB	1	131841	131841.000	8.01
OD10031-CALC	2	226120	113060.000	8.01
OD10031-CALD	5	490301	98060.200	8.01
OD10031-CALE	10	992994	99299.400	8.01
OD10031-CALF	25	2462430	98497.200	8.01
OD10031-CALG	50	4745169	94903.380	8.01
OD10031-CALH	100	9423897	94238.970	8.01
OD10031-CALI	200	1.888033E+07	94401.650	8.01

AVE RF 106691.500 RF RSD 15.43 AVE RT 8.01

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

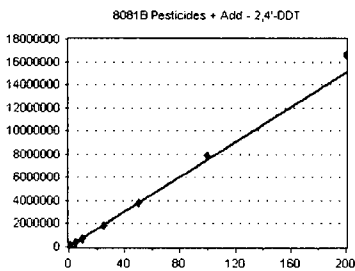


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	69830	139660.000	8.08
OD10031-CAL2	1	122009	122009.000	8.08
OD10031-CAL3	2	241069	120534.500	8.08
OD10031-CAL4	5	590771	118154.200	8.08
OD10031-CAL5	10	1175438	117543.800	8.08
OD10031-CAL6	25	2836226	113449.000	8.08
OD10031-CAL7	50	5446885	108937.700	8.08
OD10031-CAL8	100	1.125874E+07	112587.400	8.08
OD10031-CAL9	200	2.127088E+07	106354.400	8.08

AVE RF 117692.200 RF RSD 8.27 AVE RT 8.08

2,4'-DDT

Curve Fit: **AVERAGE RF**

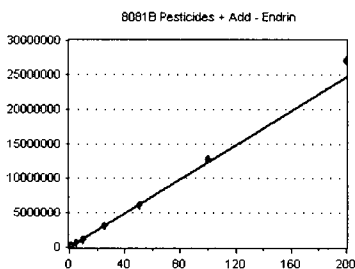


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	41657	83314.000	8.08
OD10031-CALB	1	77977	77977.000	8.08
OD10031-CALC	2	133977	66988.500	8.08
OD10031-CALD	5	343961	68792.200	8.08
OD10031-CALE	10	665398	66539.800	8.08
OD10031-CALF	25	1890884	75635.360	8.08
OD10031-CALG	50	3806076	76121.520	8.08
OD10031-CALH	100	7906836	79068.360	8.08
OD10031-CALI	200	1.661567E+07	83078.350	8.08

AVE RF 75279.450 RF RSD 8.60 AVE RT 8.08

Endrin

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	63369	126738.000	8.16
OD10031-CAL2	1	118800	118800.000	8.16
OD10031-CAL3	2	233183	116591.500	8.16
OD10031-CAL4	5	600774	120154.800	8.16
OD10031-CAL5	10	1200412	120041.200	8.16
OD10031-CAL6	25	3047888	121915.500	8.16
OD10031-CAL7	50	6088856	121777.100	8.15
OD10031-CAL8	100	1.28781E+07	128781.000	8.15
OD10031-CAL9	200	2.709374E+07	135468.700	8.15

AVE RF 123363.100 RF RSD 4.79 AVE RT 8.15

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

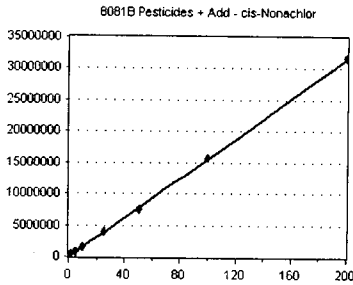
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

cis-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

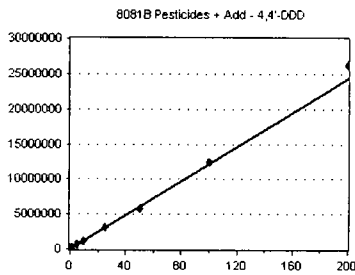


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	105931	211862.000	8.18
OD10031-CALB	1	197292	197292.000	8.18
OD10031-CALC	2	342161	171080.500	8.18
OD10031-CALD	5	779953	155990.600	8.18
OD10031-CALE	10	1524562	152456.200	8.18
OD10031-CALF	25	3931964	157278.600	8.18
OD10031-CALG	50	7558026	151160.500	8.18
OD10031-CALH	100	1.561631E+07	156163.100	8.18
OD10031-CALI	200	3.180214E+07	159010.700	8.18

AVE RF 168032.700 RF RSD 12.96 AVE RT 8.18

4,4'-DDD

Curve Fit: **AVERAGE RF**

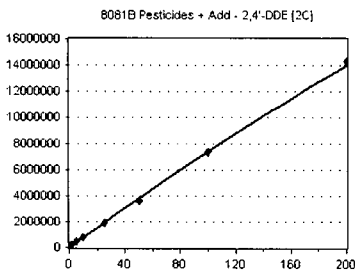


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	67675	135350.000	8.20
OD10031-CAL2	1	118335	118335.000	8.20
OD10031-CAL3	2	229102	114551.000	8.20
OD10031-CAL4	5	580403	116080.600	8.20
OD10031-CAL5	10	1143858	114385.800	8.20
OD10031-CAL6	25	3056605	122264.200	8.20
OD10031-CAL7	50	5813915	116278.300	8.20
OD10031-CAL8	100	1.242879E+07	124287.900	8.20
OD10031-CAL9	200	2.622238E+07	131111.900	8.20

AVE RF 121405.000 RF RSD 6.23 AVE RT 8.20

2,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

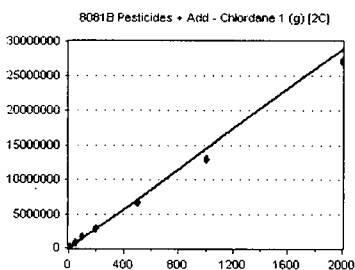


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	54754	109508.000	8.22
OD10031-CALB	1	102014	102014.000	8.22
OD10031-CALC	2	175821	87910.500	8.22
OD10031-CALD	5	395444	79088.800	8.22
OD10031-CALE	10	776105	77610.500	8.22
OD10031-CALF	25	1938260	77530.400	8.22
OD10031-CALG	50	3659885	73197.700	8.22
OD10031-CALH	100	7319258	73192.580	8.21
OD10031-CALI	200	1.426314E+07	71315.700	8.22

AVE RF 83485.350 RF RSD 16.34 AVE RT 8.22

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALJ	10	156594	15659.400	8.22
OD10031-CALK	50	734996	14699.920	8.22
OD10031-CALL	100	1636710	16367.100	8.22
OD10031-CALM	200	2904795	14523.970	8.22
OD10031-CALN	500	6758715	13517.430	8.22
OD10031-CALO	1000	1.293987E+07	12939.870	8.22
OD10031-CALP	2000	2.712576E+07	13562.880	8.22

AVE RF 14467.230 RF RSD 8.53 AVE RT 8.22

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

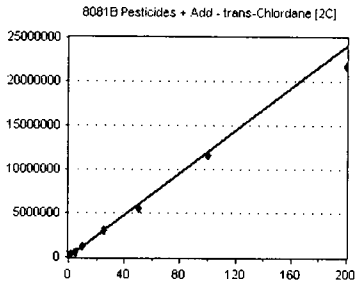
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

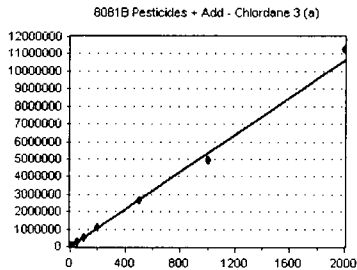


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	71156	142312.000	8.22
OD10031-CAL2	1	126502	126502.000	8.22
OD10031-CAL3	2	240690	120345.000	8.22
OD10031-CAL4	5	605591	121118.200	8.22
OD10031-CAL5	10	1202264	120226.400	8.22
OD10031-CAL6	25	2978658	119146.300	8.22
OD10031-CAL7	50	5551909	111038.200	8.22
OD10031-CAL8	100	1.161902E+07	116190.200	8.22
OD10031-CAL9	200	2.170917E+07	108545.900	8.22

AVE RF 120602.700 RF RSD 8.11 AVE RT 8.22

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

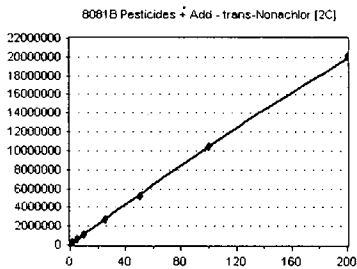


Standard	Concentration	Response	Response Factor	RT
OD10031-CALJ	10	55530	5553.000	8.27
OD10031-CALK	50	252424	5048.480	8.27
OD10031-CALL	100	525276	5252.760	8.27
OD10031-CALM	200	1111336	5556.680	8.27
OD10031-CALN	500	2640047	5280.094	8.26
OD10031-CALO	1000	4918547	4918.547	8.26
OD10031-CALP	2000	1.127092E+07	5635.460	8.26

AVE RF 5320.717 RF RSD 5.15 AVE RT 8.26

trans-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

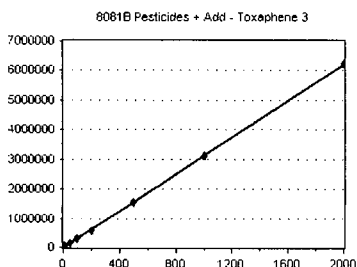


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	76561	153122.000	8.29
OD10031-CALB	1	145443	145443.000	8.29
OD10031-CALC	2	251420	125710.000	8.29
OD10031-CALD	5	557194	111438.800	8.29
OD10031-CALE	10	1088724	108872.400	8.29
OD10031-CALF	25	2768485	110739.400	8.29
OD10031-CALG	50	5248360	104967.200	8.29
OD10031-CALH	100	1.046111E+07	104611.100	8.29
OD10031-CALI	200	2.004439E+07	100222.000	8.29

AVE RF 118347.300 RF RSD 16.06 AVE RT 8.29

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	32449	3244.900	8.30
OD10031-CALR	50	158918	3178.360	8.30
OD10031-CALS	100	311689	3116.890	8.30
OD10031-CALT	200	586224	2931.120	8.30
OD10031-CALU	500	1540725	3081.450	8.30
OD10031-CALV	1000	3092888	3092.888	8.30
OD10031-CALW	2000	6253933	3126.967	8.30

AVE RF 3110.368 RF RSD 3.11 AVE RT 8.30

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

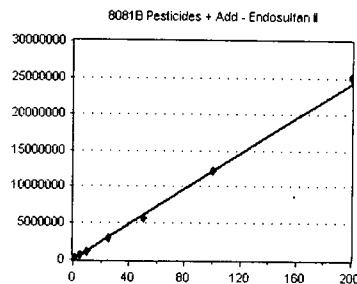
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Endosulfan II

Curve Fit: **AVERAGE RF**

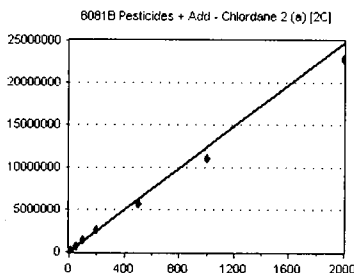


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	67076	134152.000	8.32
OD10031-CAL2	1	119697	119697.000	8.32
OD10031-CAL3	2	233441	116720.500	8.32
OD10031-CAL4	5	589436	117887.200	8.31
OD10031-CAL5	10	1207633	120763.300	8.32
OD10031-CAL6	25	2966130	118645.200	8.31
OD10031-CAL7	50	5720662	114413.200	8.31
OD10031-CAL8	100	1.214729E+07	121472.900	8.31
OD10031-CAL9	200	2.514077E+07	125703.900	8.31

AVE RF 121050.600 RF RSD 4.83 AVE RT 8.31

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**

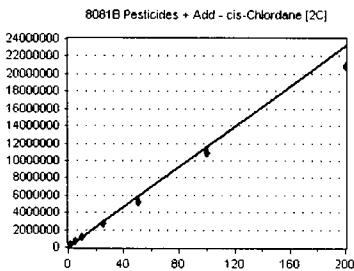


Standard	Concentration	Response	Response Factor	RT
OD10031-CALJ	10	138950	13895.000	8.33
OD10031-CALK	50	633044	12660.880	8.33
OD10031-CALL	100	1360439	13604.390	8.33
OD10031-CALM	200	2508298	12541.490	8.33
OD10031-CALN	500	5655525	11311.050	8.33
OD10031-CALO	1000	1.110162E+07	11101.620	8.33
OD10031-CALP	2000	2.283037E+07	11415.180	8.33

AVE RF 12361.370 RF RSD 9.11 AVE RT 8.33

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

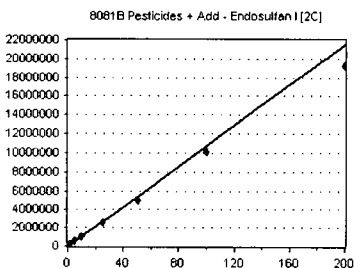


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	70102	140204.000	8.33
OD10031-CAL2	1	124533	124533.000	8.33
OD10031-CAL3	2	235252	117626.000	8.33
OD10031-CAL4	5	585259	117051.800	8.33
OD10031-CAL5	10	1131819	113181.900	8.33
OD10031-CAL6	25	2773817	110952.700	8.33
OD10031-CAL7	50	5236394	104727.900	8.33
OD10031-CAL8	100	1.096013E+07	109601.300	8.33
OD10031-CAL9	200	2.09135E+07	104567.500	8.33

AVE RF 115827.300 RF RSD 9.62 AVE RT 8.33

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	65843	131686.000	8.38
OD10031-CAL2	1	110124	110124.000	8.38
OD10031-CAL3	2	219822	109911.000	8.38
OD10031-CAL4	5	546125	109225.000	8.38
OD10031-CAL5	10	1056492	105649.200	8.38
OD10031-CAL6	25	2611533	104461.300	8.38
OD10031-CAL7	50	4951225	99024.500	8.38
OD10031-CAL8	100	1.016173E+07	101617.300	8.38
OD10031-CAL9	200	1.922892E+07	96144.600	8.38

AVE RF 107538.100 RF RSD 9.58 AVE RT 8.38

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

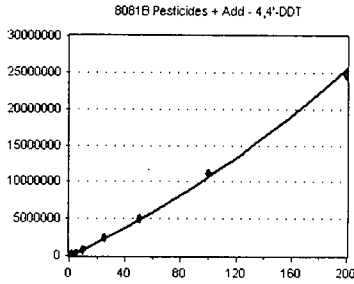
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

4,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

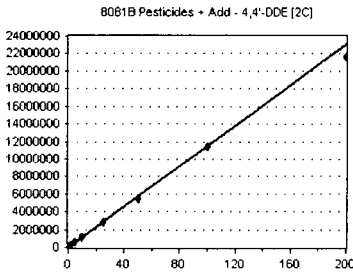


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	37407	74814.000	8.40
OD10031-CAL2	1	73450	73450.000	8.40
OD10031-CAL3	2	145442	72721.000	8.40
OD10031-CAL4	5	402575	80515.000	8.40
OD10031-CAL5	10	875483	87548.300	8.40
OD10031-CAL6	25	2456263	98250.520	8.40
OD10031-CAL7	50	5090784	101815.700	8.40
OD10031-CAL8	100	1.111867E+07	111186.700	8.40
OD10031-CAL9	200	2.472306E+07	123615.300	8.40

AVE RF 91546.280 RF RSD 19.93 AVE RT 8.40

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

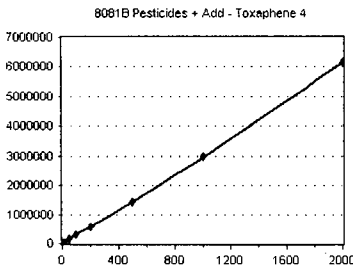


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	64334	128668.000	8.44
OD10031-CAL2	1	115967	115967.000	8.44
OD10031-CAL3	2	230910	115455.000	8.44
OD10031-CAL4	5	584778	116955.600	8.44
OD10031-CAL5	10	1137288	113728.800	8.44
OD10031-CAL6	25	2877432	115097.300	8.44
OD10031-CAL7	50	5427651	108553.000	8.44
OD10031-CAL8	100	1.136763E+07	113676.300	8.44
OD10031-CAL9	200	2.165285E+07	108264.300	8.44

AVE RF 115151.700 RF RSD 5.15 AVE RT 8.44

Toxaphene 4

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

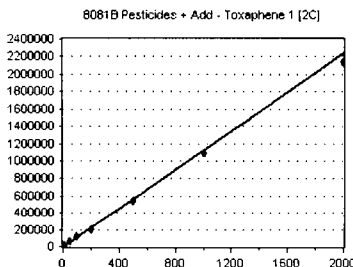


Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	44818	4481.800	8.54
OD10031-CALR	50	158276	3165.520	8.54
OD10031-CALS	100	303785	3037.850	8.54
OD10031-CALT	200	565257	2826.285	8.54
OD10031-CALU	500	1443047	2886.094	8.54
OD10031-CALV	1000	2982259	2982.259	8.54
OD10031-CALW	2000	6177768	3088.884	8.54

AVE RF 3209.813 RF RSD 17.84 AVE RT 8.54

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	11439	1143.900	8.56
OD10031-CALR	50	61319	1226.380	8.56
OD10031-CALS	100	116776	1167.760	8.56
OD10031-CALT	200	208550	1042.750	8.56
OD10031-CALU	500	549025	1098.050	8.56
OD10031-CALV	1000	1091279	1091.279	8.56
OD10031-CALW	2000	2139599	1069.800	8.56

AVE RF 1119.988 RF RSD 5.64 AVE RT 8.56

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

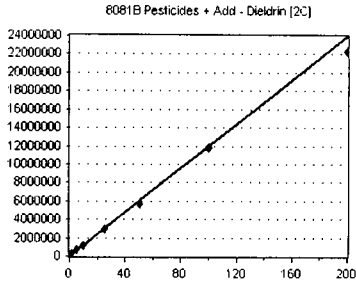
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

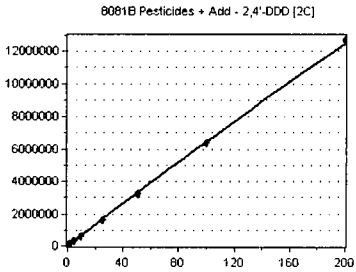


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	68980	137960.000	8.58
OD10031-CAL2	1	120867	120867.000	8.59
OD10031-CAL3	2	236771	118385.500	8.59
OD10031-CAL4	5	602273	120454.600	8.58
OD10031-CAL5	10	1196698	119669.800	8.59
OD10031-CAL6	25	2919821	116792.800	8.59
OD10031-CAL7	50	5672261	113445.200	8.58
OD10031-CAL8	100	1.185345E+07	118534.500	8.58
OD10031-CAL9	200	2.231577E+07	111578.900	8.58

AVE RF 119743.100 RF RSD 6.28 AVE RT 8.58

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

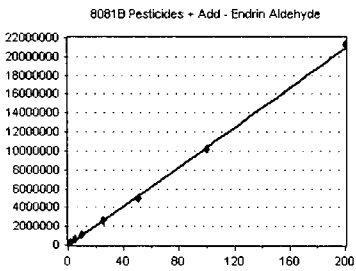


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	50583	101166.000	8.59
OD10031-CALB	1	93331	93331.000	8.59
OD10031-CALC	2	158108	79054.000	8.59
OD10031-CALD	5	342154	68430.800	8.59
OD10031-CALE	10	665503	66550.300	8.59
OD10031-CALF	25	1648579	65943.160	8.59
OD10031-CALG	50	3205195	64103.900	8.59
OD10031-CALH	100	6389450	63894.500	8.59
OD10031-CALI	200	1.270525E+07	63526.250	8.59

AVE RF 73999.990 RF RSD 19.10 AVE RT 8.59

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

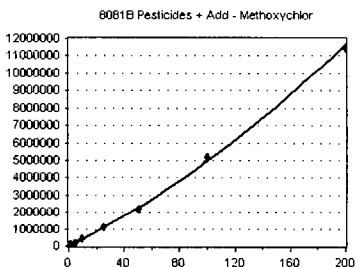


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	73553	147106.000	8.61
OD10031-CAL2	1	127313	127313.000	8.61
OD10031-CAL3	2	237806	118903.000	8.61
OD10031-CAL4	5	545702	109140.400	8.61
OD10031-CAL5	10	1043139	104313.900	8.61
OD10031-CAL6	25	2573122	102924.900	8.61
OD10031-CAL7	50	4966378	99327.560	8.61
OD10031-CAL8	100	1.021396E+07	102139.600	8.61
OD10031-CAL9	200	2.13247E+07	106623.500	8.61

AVE RF 113088.000 RF RSD 13.77 AVE RT 8.61

Methoxychlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	19411	38822.000	8.74
OD10031-CAL2	1	39011	39011.000	8.74
OD10031-CAL3	2	74306	37153.000	8.74
OD10031-CAL4	5	204727	40945.400	8.74
OD10031-CAL5	10	427742	42774.200	8.74
OD10031-CAL6	25	1114647	44585.880	8.74
OD10031-CAL7	50	2212679	44253.580	8.74
OD10031-CAL8	100	5195602	51956.020	8.74
OD10031-CAL9	200	1.146302E+07	57315.100	8.74

AVE RF 44090.690 RF RSD 15.01 AVE RT 8.74

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

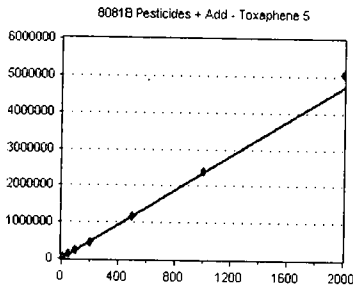
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Toxaphene 5

Curve Fit: **AVERAGE RF**

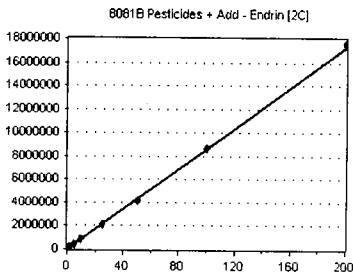


Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	23487	2348.700	8.78
OD10031-CALR	50	119137	2382.740	8.78
OD10031-CALS	100	229620	2296.200	8.78
OD10031-CALT	200	439278	2196.390	8.77
OD10031-CALU	500	1171966	2343.932	8.77
OD10031-CALV	1000	2385429	2385.429	8.77
OD10031-CALW	2000	5064912	2532.456	8.77

AVE RF 2355.121 RF RSD 4.31 AVE RT 8.77

Endrin [2C]

Curve Fit: **AVERAGE RF**

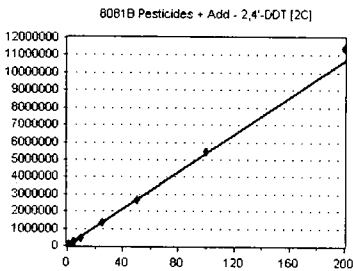


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	47079	94158.000	8.81
OD10031-CAL2	1	86799	86799.000	8.82
OD10031-CAL3	2	167127	83563.500	8.81
OD10031-CAL4	5	419756	83951.200	8.81
OD10031-CAL5	10	862016	86201.600	8.82
OD10031-CAL6	25	2128761	85150.440	8.81
OD10031-CAL7	50	4168787	83375.740	8.81
OD10031-CAL8	100	8690942	86909.420	8.81
OD10031-CAL9	200	1.758826E+07	87941.300	8.81

AVE RF 86450.020 RF RSD 3.83 AVE RT 8.81

2,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

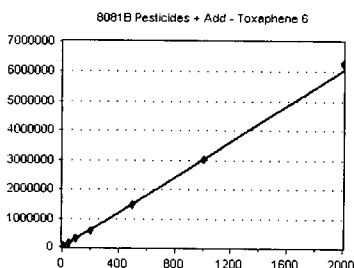


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	32434	64868.000	8.82
OD10031-CALB	1	56936	56936.000	8.82
OD10031-CALC	2	96604	48302.000	8.82
OD10031-CALD	5	240393	48078.600	8.82
OD10031-CALE	10	472159	47215.900	8.82
OD10031-CALF	25	1331674	53266.960	8.82
OD10031-CALG	50	2644918	52898.360	8.82
OD10031-CALH	100	5426818	54268.180	8.82
OD10031-CALI	200	1.138473E+07	56923.650	8.82

AVE RF 53639.740 RF RSD 10.41 AVE RT 8.82

Toxaphene 6

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	34168	3416.800	8.84
OD10031-CALR	50	150990	3019.800	8.84
OD10031-CALS	100	291120	2911.200	8.84
OD10031-CALT	200	559171	2795.855	8.84
OD10031-CALU	500	1468060	2936.120	8.84
OD10031-CALV	1000	3017263	3017.263	8.84
OD10031-CALW	2000	6273981	3136.990	8.84

AVE RF 3033.433 RF RSD 6.58 AVE RT 8.84

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

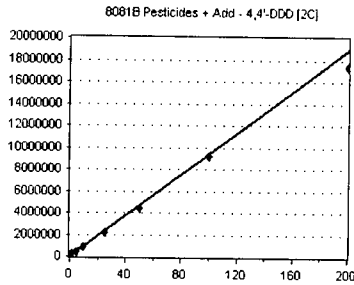
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

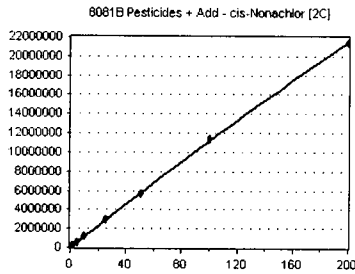


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	58722	117444.000	8.86
OD10031-CAL2	1	101471	101471.000	8.86
OD10031-CAL3	2	184447	92223.500	8.86
OD10031-CAL4	5	466489	93297.800	8.86
OD10031-CAL5	10	889692	88969.200	8.86
OD10031-CAL6	25	2212251	88490.040	8.86
OD10031-CAL7	50	4432731	88654.620	8.86
OD10031-CAL8	100	9158353	91583.530	8.86
OD10031-CAL9	200	1.743273E+07	87163.650	8.86

AVE RF 94366.370 RF RSD 10.22 AVE RT 8.86

cis-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

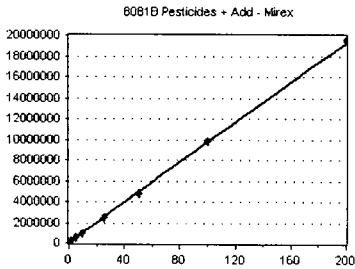


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	83146	166292.000	8.86
OD10031-CALB	1	153334	153334.000	8.86
OD10031-CALC	2	262929	131464.500	8.86
OD10031-CALD	5	594209	118841.800	8.86
OD10031-CALE	10	1133487	113348.700	8.86
OD10031-CALF	25	2939943	117597.700	8.86
OD10031-CALG	50	5676373	113527.500	8.86
OD10031-CALH	100	1.137821E+07	113782.100	8.86
OD10031-CALI	200	2.137295E+07	106864.800	8.86

AVE RF 126117.000 RF RSD 16.23 AVE RT 8.86

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

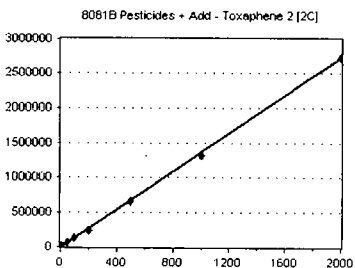


Standard	Concentration	Response	Response Factor	RT
OD10031-CALA	0.5	82399	164798.000	8.86
OD10031-CALB	1	147950	147950.000	8.86
OD10031-CALC	2	248901	124450.500	8.86
OD10031-CALD	5	521342	104268.400	8.86
OD10031-CALE	10	976519	97651.900	8.86
OD10031-CALF	25	2445934	97837.360	8.86
OD10031-CALG	50	4722341	94446.820	8.86
OD10031-CALH	100	9796794	97967.940	8.86
OD10031-CALI	200	1.960009E+07	98000.450	8.86

AVE RF 114152.400 RF RSD 22.68 AVE RT 8.86

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	14963	1496.300	8.91
OD10031-CALR	50	72536	1450.720	8.91
OD10031-CALS	100	135442	1354.420	8.91
OD10031-CALT	200	248644	1243.220	8.91
OD10031-CALU	500	661072	1322.144	8.91
OD10031-CALV	1000	1317514	1317.514	8.91
OD10031-CALW	2000	2728248	1364.124	8.91

AVE RF 1364.063 RF RSD 6.25 AVE RT 8.91

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

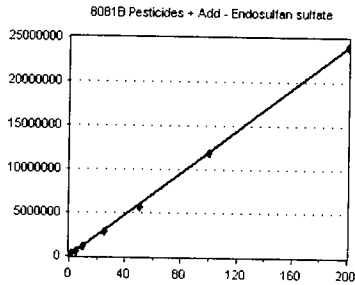
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

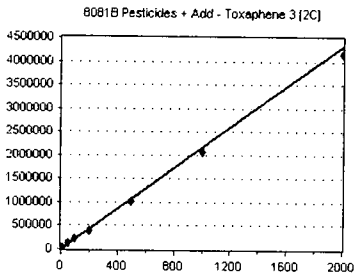


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	72456	144912.000	8.91
OD10031-CAL2	1	126416	126416.000	8.91
OD10031-CAL3	2	233112	116556.000	8.91
OD10031-CAL4	5	580327	116065.400	8.91
OD10031-CAL5	10	1141536	114153.600	8.91
OD10031-CAL6	25	2840981	113639.200	8.91
OD10031-CAL7	50	5681676	113633.500	8.91
OD10031-CAL8	100	1.188256E+07	118825.600	8.91
OD10031-CAL9	200	2.398734E+07	119936.700	8.91

AVE RF 120459.800 RF RSD 8.32 AVE RT 8.91

Toxaphene 3 [2C]

Curve Fit: **AVERAGE RF**

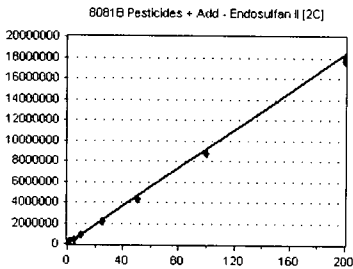


Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	26120	2612.000	8.94
OD10031-CALR	50	114478	2289.560	8.94
OD10031-CALS	100	211094	2110.940	8.94
OD10031-CALT	200	394858	1974.290	8.94
OD10031-CALU	500	1031208	2062.416	8.94
OD10031-CALV	1000	2068991	2068.991	8.94
OD10031-CALW	2000	4148392	2074.196	8.94

AVE RF 2170.342 RF RSD 10.00 AVE RT 8.94

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**

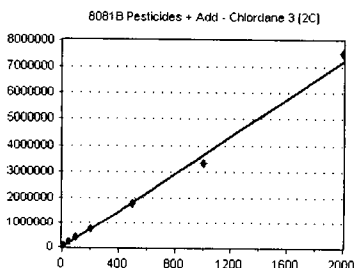


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	55230	110460.000	8.96
OD10031-CAL2	1	95182	95182.000	8.96
OD10031-CAL3	2	182611	91305.500	8.96
OD10031-CAL4	5	453168	90633.600	8.96
OD10031-CAL5	10	876423	87642.300	8.96
OD10031-CAL6	25	2201693	88067.720	8.96
OD10031-CAL7	50	4306868	86137.360	8.96
OD10031-CAL8	100	8759068	87590.680	8.96
OD10031-CAL9	200	1.768812E+07	88440.600	8.96

AVE RF 91717.750 RF RSD 8.21 AVE RT 8.96

Chlordane 3 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALJ	10	51394	5139.400	9.00
OD10031-CALK	50	195537	3910.740	9.00
OD10031-CALL	100	395685	3956.850	9.00
OD10031-CALM	200	745316	3726.580	9.00
OD10031-CALN	500	1759160	3518.320	9.00
OD10031-CALO	1000	3349788	3349.788	9.00
OD10031-CALP	2000	7528954	3764.477	9.00

AVE RF 3909.451 RF RSD 14.90 AVE RT 9.00

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

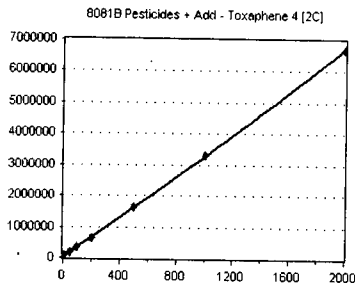
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200410**

Toxaphene 4 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

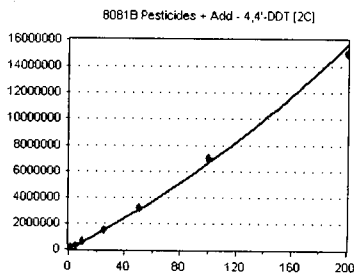


Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	62570	6257.000	9.01
OD10031-CALR	50	190413	3808.260	9.01
OD10031-CALS	100	346003	3460.030	9.01
OD10031-CALT	200	639556	3197.780	9.01
OD10031-CALU	500	1630720	3261.440	9.01
OD10031-CALV	1000	3308655	3308.655	9.01
OD10031-CALW	2000	6693759	3346.879	9.01

AVE RF 3805.721 RF RSD 28.89 AVE RT 9.01

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

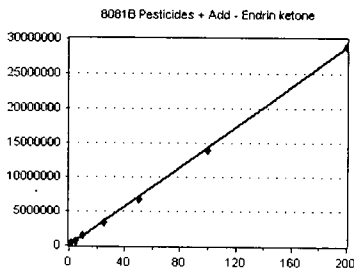


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	24779	49558.000	9.08
OD10031-CAL2	1	49721	49721.000	9.09
OD10031-CAL3	2	89330	44665.000	9.09
OD10031-CAL4	5	260165	52033.000	9.09
OD10031-CAL5	10	578694	57869.400	9.09
OD10031-CAL6	25	1496497	59859.880	9.09
OD10031-CAL7	50	3189186	63783.720	9.08
OD10031-CAL8	100	7015904	70159.040	9.09
OD10031-CAL9	200	1.505876E+07	75293.800	9.08

AVE RF 58104.760 RF RSD 17.60 AVE RT 9.08

Endrin ketone

Curve Fit: **AVERAGE RF**

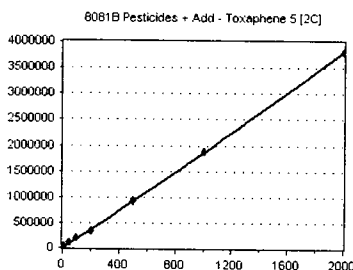


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	83435	166870.000	9.11
OD10031-CAL2	1	152949	152949.000	9.11
OD10031-CAL3	2	285336	142668.000	9.11
OD10031-CAL4	5	688717	137743.400	9.11
OD10031-CAL5	10	1381099	138109.900	9.11
OD10031-CAL6	25	3445975	137839.000	9.11
OD10031-CAL7	50	6843717	136874.300	9.11
OD10031-CAL8	100	1.390394E+07	139039.400	9.11
OD10031-CAL9	200	2.886583E+07	144329.200	9.11

AVE RF 144046.900 RF RSD 6.91 AVE RT 9.11

Toxaphene 5 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	23927	2392.700	9.19
OD10031-CALR	50	99407	1988.140	9.19
OD10031-CALS	100	185979	1859.790	9.19
OD10031-CALT	200	355753	1778.765	9.19
OD10031-CALU	500	932303	1864.606	9.19
OD10031-CALV	1000	1879026	1879.026	9.19
OD10031-CALW	2000	3797020	1898.510	9.19

AVE RF 1951.648 RF RSD 10.46 AVE RT 9.19

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

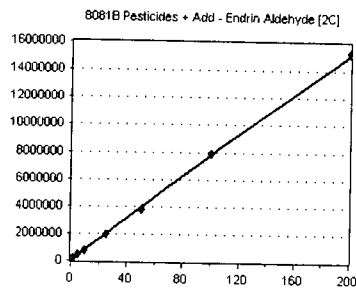
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

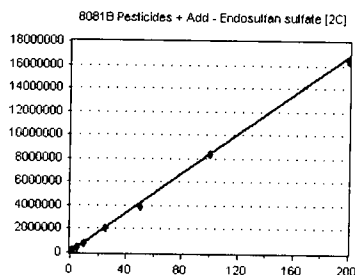


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	58732	117464.000	9.20
OD10031-CAL2	1	100085	100085.000	9.20
OD10031-CAL3	2	191739	95869.500	9.20
OD10031-CAL4	5	424119	84823.800	9.20
OD10031-CAL5	10	811442	81144.200	9.20
OD10031-CAL6	25	1952460	78098.400	9.20
OD10031-CAL7	50	3803916	76078.320	9.20
OD10031-CAL8	100	7859690	78596.900	9.20
OD10031-CAL9	200	1.532543E+07	76627.150	9.20

AVE RF 87643.030 RF RSD 16.09 AVE RT 9.20

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

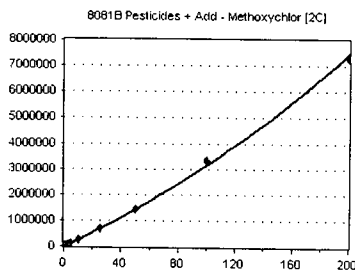


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	50159	100318.000	9.39
OD10031-CAL2	1	88344	88344.000	9.39
OD10031-CAL3	2	166426	83213.000	9.39
OD10031-CAL4	5	407094	81418.800	9.39
OD10031-CAL5	10	796875	79687.500	9.39
OD10031-CAL6	25	2020111	80804.440	9.39
OD10031-CAL7	50	3917488	78349.760	9.39
OD10031-CAL8	100	8368447	83684.470	9.39
OD10031-CAL9	200	1.635617E+07	81780.850	9.39

AVE RF 84177.870 RF RSD 7.95 AVE RT 9.39

Methoxychlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

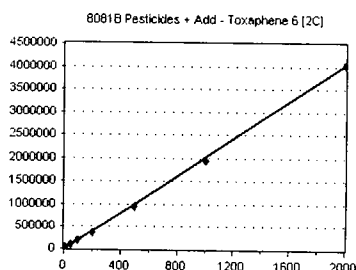


Standard	Concentration	Response	Response Factor	RT
OD10031-CAL1	0.5	11909	23818.000	9.57
OD10031-CAL2	1	24923	24923.000	9.57
OD10031-CAL3	2	46818	23409.000	9.57
OD10031-CAL4	5	127410	25482.000	9.57
OD10031-CAL5	10	269363	26936.300	9.57
OD10031-CAL6	25	689159	27566.360	9.57
OD10031-CAL7	50	1415590	28311.800	9.57
OD10031-CAL8	100	3310270	33102.700	9.57
OD10031-CAL9	200	7310519	36552.590	9.57

AVE RF 27789.080 RF RSD 15.82 AVE RT 9.57

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD10031-CALQ	10	24338	2433.800	9.57
OD10031-CALR	50	103198	2063.960	9.57
OD10031-CALS	100	194265	1942.650	9.57
OD10031-CALT	200	370159	1850.795	9.57
OD10031-CALU	500	958890	1917.780	9.57
OD10031-CALV	1000	1938338	1938.338	9.57
OD10031-CALW	2000	4041319	2020.660	9.57

AVE RF 2023.998 RF RSD 9.56 AVE RT 9.57

Element Calibration Review Sheet

Calibration ID: **A0D1308**

Instrument: **DUALECD3**

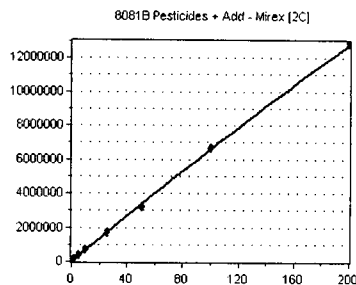
Calibration Date: **04/13/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD3_QUANTPEST_200411**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

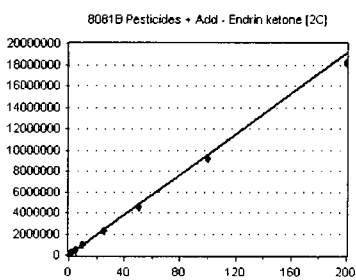


Standard	Concentration	Response	Factor	RT
OD10031-CALA	0.5	60436	120872.000	9.79
OD10031-CALB	1	100894	100894.000	9.79
OD10031-CALC	2	167144	83572.000	9.79
OD10031-CALD	5	369585	73917.000	9.79
OD10031-CALE	10	672336	67233.600	9.79
OD10031-CALF	25	1721066	68842.640	9.79
OD10031-CALG	50	3205930	64118.600	9.79
OD10031-CALH	100	6667267	66672.670	9.79
OD10031-CALI	200	1.292903E+07	64645.150	9.79

AVE RF 78974.180 RF RSD 24.93 AVE RT 9.79

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

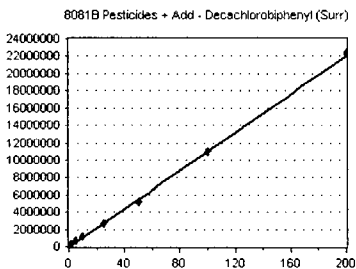


Standard	Concentration	Response	Factor	RT
OD10031-CAL1	0.5	57366	114732.000	9.80
OD10031-CAL2	1	100622	100622.000	9.80
OD10031-CAL3	2	188983	94491.500	9.80
OD10031-CAL4	5	464140	92828.000	9.80
OD10031-CAL5	10	942335	94233.500	9.80
OD10031-CAL6	25	2250304	90012.160	9.80
OD10031-CAL7	50	4537747	90754.940	9.80
OD10031-CAL8	100	9234850	92348.500	9.80
OD10031-CAL9	200	1.821171E+07	91058.550	9.80

AVE RF 95675.680 RF RSD 8.16 AVE RT 9.80

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

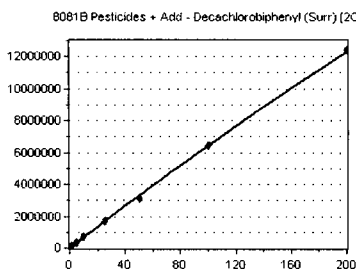


Standard	Concentration	Response	Factor	RT
OD10031-CAL1	0.5	78745	157490.000	9.81
OD10031-CAL2	1	135418	135418.000	9.81
OD10031-CAL3	2	249594	124797.000	9.81
OD10031-CAL4	5	587016	117403.200	9.81
OD10031-CAL5	10	1130527	113052.700	9.81
OD10031-CAL6	25	2727108	109084.300	9.81
OD10031-CAL7	50	5172590	103451.800	9.81
OD10031-CAL8	100	1.096751E+07	109675.100	9.81
OD10031-CAL9	200	2.243062E+07	112153.100	9.81

AVE RF 120280.600 RF RSD 14.04 AVE RT 9.81

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Factor	RT
OD10031-CAL1	0.5	50449	100898.000	10.68
OD10031-CAL2	1	81619	81619.000	10.68
OD10031-CAL3	2	153175	76587.500	10.68
OD10031-CAL4	5	364366	72873.200	10.68
OD10031-CAL5	10	701737	70173.700	10.68
OD10031-CAL6	25	1659485	66379.400	10.68
OD10031-CAL7	50	3177027	63540.540	10.68
OD10031-CAL8	100	6496705	64967.050	10.68
OD10031-CAL9	200	1.244066E+07	62203.300	10.68

AVE RF 73249.080 RF RSD 16.63 AVE RT 10.68

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10031

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 Additional Only (QC)
608 Pest (Chlordane)
608 Pesticides
608 Pesticides (DDT Only)
608 Pesticides (SW)
608 Pesticides (SW) Full List
608 Pesticides (TTO)
608.3 Pesticides
608.3 Additional
608.3 Chlordane
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: 0D10031

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0D10031-ICB1	Initial Cal Blank	Water	A20C404		4/10/2020 12:05:00PM
0D10031-CAL1	Cal Standard	Water	A20D133	"	4/10/2020 12:22:00PM
0D10031-CAL2	Cal Standard	Water	A20D134	"	4/10/2020 12:39:00PM
0D10031-CAL3	Cal Standard	Water	A20C179	"	4/10/2020 12:56:00PM
0D10031-CAL4	Cal Standard	Water	A20C180	"	4/10/2020 1:14:00PM
0D10031-CAL5	Cal Standard	Water	A20C181	"	4/10/2020 1:31:00PM
0D10031-CAL6	Cal Standard	Water	A20C182	"	4/10/2020 1:48:00PM
0D10031-CAL7	Cal Standard	Water	A20C183	"	4/10/2020 2:05:00PM
0D10031-CAL8	Cal Standard	Water	A20C184	"	4/10/2020 2:22:00PM
0D10031-CAL9	Cal Standard	Water	A20C177	"	4/10/2020 2:40:00PM
0D10031-ICV1	Initial Cal Check	Water	A20C164	"	4/10/2020 3:14:00PM
0D10031-CALA	Cal Standard	Water	A20D135	"	4/10/2020 3:31:00PM
0D10031-CALB	Cal Standard	Water	A20C353	"	4/10/2020 3:48:00PM
0D10031-CALC	Cal Standard	Water	A20C354	"	4/10/2020 4:06:00PM
0D10031-CALD	Cal Standard	Water	A20C355	"	4/10/2020 4:23:00PM
0D10031-CALE	Cal Standard	Water	A20C356	"	4/10/2020 4:40:00PM
0D10031-CALF	Cal Standard	Water	A20C357	"	4/10/2020 4:57:00PM
0D10031-CALG	Cal Standard	Water	A20C358	"	4/10/2020 5:14:00PM
0D10031-CALH	Cal Standard	Water	A20C359	"	4/10/2020 5:31:00PM
0D10031-CALI	Cal Standard	Water	A20C352	"	4/10/2020 5:49:00PM
0D10031-ICV2	Initial Cal Check	Water	A20C360	"	4/10/2020 6:23:00PM
0D10031-CALJ	Cal Standard	Water	A20D136	"	4/10/2020 6:40:00PM
0D10031-CALK	Cal Standard	Water	A19K307	"	4/10/2020 6:57:00PM
0D10031-CALL	Cal Standard	Water	A19K308	"	4/10/2020 7:14:00PM
0D10031-CALM	Cal Standard	Water	A19K309	"	4/10/2020 7:31:00PM
0D10031-CALN	Cal Standard	Water	A19K310	"	4/10/2020 7:49:00PM
0D10031-CALO	Cal Standard	Water	A19K311	"	4/10/2020 8:06:00PM
0D10031-CALP	Cal Standard	Water	A19K306	"	4/10/2020 8:23:00PM
0D10031-ICV3	Initial Cal Check	Water	A19K312	"	4/10/2020 8:57:00PM
0D10031-CALQ	Cal Standard	Water	A20D137	"	4/10/2020 9:14:00PM
0D10031-CALR	Cal Standard	Water	A19J417	"	4/10/2020 9:31:00PM
0D10031-CALS	Cal Standard	Water	A19J418	"	4/10/2020 9:48:00PM
0D10031-CALT	Cal Standard	Water	A19J419	"	4/10/2020 10:05:00PM
0D10031-CALU	Cal Standard	Water	A19J420	"	4/10/2020 10:22:00PM
0D10031-CALV	Cal Standard	Water	A19J421	"	4/10/2020 10:39:00PM
0D10031-CALW	Cal Standard	Water	A19J416	"	4/10/2020 10:56:00PM
0D10031-ICV4	Initial Cal Check	Water	A19J422	"	4/10/2020 11:30:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: A0D1308

Instrument: DualECD3F

1311/8081B TCLP Pest Reg L

Sequence: 0D10031

Matrix: Water

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CAL1					
0D10031-CAL2					
0D10031-CAL3					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10031

0D10031-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D10031-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D10031

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 quadratic 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 option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D1308**

Instrument: **DualECD3F**

608 Pesticides (SW) Full List

Sequence: **0D10031**

Matrix: **Water**

	Inst. MRL	ICV Level	Result	%Rec.	Qual
0D10031-ICV1					
0D10031-ICV2					
0D10031-ICV3					
0D10031-ICV4					

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 Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
 Method File : ECD3_QUANTPEST_200410.M
 Title : Instrument: DualECD3
 Last Update : Mon Apr 13 12:07:09 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD3-04102036 2 =ECD3-04102037 3 =ECD3-04102038 4 =ECD3-04102039 5 =ECD3-04102040
 6 =ECD3-04102041 7 =ECD3-04102042 8 =ECD3-04102043 9 =ECD3-04102044

Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S TCMX (S)	Avg	-----	1.4811 e5	-----	0.0631
2) a-BHC	Avg	-----	2.0229 e5	-----	0.0334
3) g-BHC	Avg	-----	1.7268 e5	-----	0.0388
4) b-BHC	Avg	-----	6.8222 e4	-----	0.0638
5) Heptachlor	Avg	-----	1.6375 e5	-----	0.0445
6) d-BHC	Avg	-----	1.4037 e5	-----	0.1013
7) Aldrin	Avg	-----	1.6764 e5	-----	0.0423
8) Heptachlor Expoxide	Avg	-----	1.5638 e5	-----	0.0685
9) trans-Chlordane	Avg	-----	1.5736 e5	-----	0.0500
10) cis-Chlordane	Avg	-----	1.5697 e5	-----	0.1041
11) Endosulfan I	Avg	-----	1.4352 e5	-----	0.0602
12) 4,4'-DDE	Avg	-----	1.4425 e5	-----	0.0621
13) Dieldrin	Avg	-----	1.6071 e5	-----	0.0358
14) Endrin	Avg	-----	1.2336 e5	-----	0.0479
15) 4,4'-DDD	Avg	-----	1.2140 e5	-----	0.0623
16) Endosulfan II	Avg	-----	1.2105 e5	-----	0.0483
17) 4,4'-DDT	Quad	-7.9268 e3	8.5708 e4	2.1159 e2	0.9954
18) Endrin Aldehyde	Quad	2.3143 e4	1.0274 e5	8.8266	0.9991
19) Endosulfan Sulfate	Avg	-----	1.2046 e5	-----	0.0832
20) Methoxychlor	Quad	-1.5557 e3	4.0938 e4	8.7429 e1	0.9983
21) Endrin Ketone	Avg	-----	1.4405 e5	-----	0.0691
22) S DCBP (S)	Quad	2.4812 e4	1.0944 e5	3.5813	0.9990
23) Hexachlorobutadiene	Quad	2.8009 e4	1.7335 e5	-8.2212 e1	0.9982
24) Hexachlorobenzene	Quad	2.7021 e4	1.3306 e5	3.4652 e1	0.9982
25) Oxychlordane	Quad	2.5859 e4	1.2938 e5	1.1860 e1	0.9971
26) 2,4'-DDE	Quad	1.6499 e4	9.0187 e4	2.8032 e1	0.9979
27) trans-Nonachlor	Quad	2.9850 e4	1.4305 e5	1.5151 e1	0.9966
28) 2,4'-DDD	Quad	1.7750 e4	8.1358 e4	7.0260	0.9974
29) 2,4'-DDT	Avg	-----	7.5279 e4	-----	0.0860
30) cis-Nonachlor	Quad	3.2391 e4	1.5295 e5	2.5901 e1	0.9984
31) Mirex	Quad	3.6627 e4	9.8990 e4	-1.3892 e1	0.9947
32) Chlordane (1)	Avg	-----	1.7650 e4	-----	0.0596
33) Chlordane (2)	Avg	-----	2.0722 e4	-----	0.0579
34) Chlordane (3)	Avg	-----	5.3207 e3	-----	0.0515
35) Chlordane - AVE	Avg	-----	-----	-----	0.0000
36) Toxaphene (1)	Avg	-----	8.3242 e2	-----	0.0891
37) Toxaphene (2)	Avg	-----	1.5068 e3	-----	0.0560
38) Toxaphene (3)	Avg	-----	3.1104 e3	-----	0.0311
39) Toxaphene (4)	Quad	1.6915 e4	2.7954 e3	0.1445	0.9997
40) Toxaphene (5)	Avg	-----	2.3551 e3	-----	0.0431
41) Toxaphene (6)	Avg	-----	3.0334 e3	-----	0.0658
42) Toxaphene - AVE	Avg	-----	-----	-----	0.0000

MJB
4/13/20

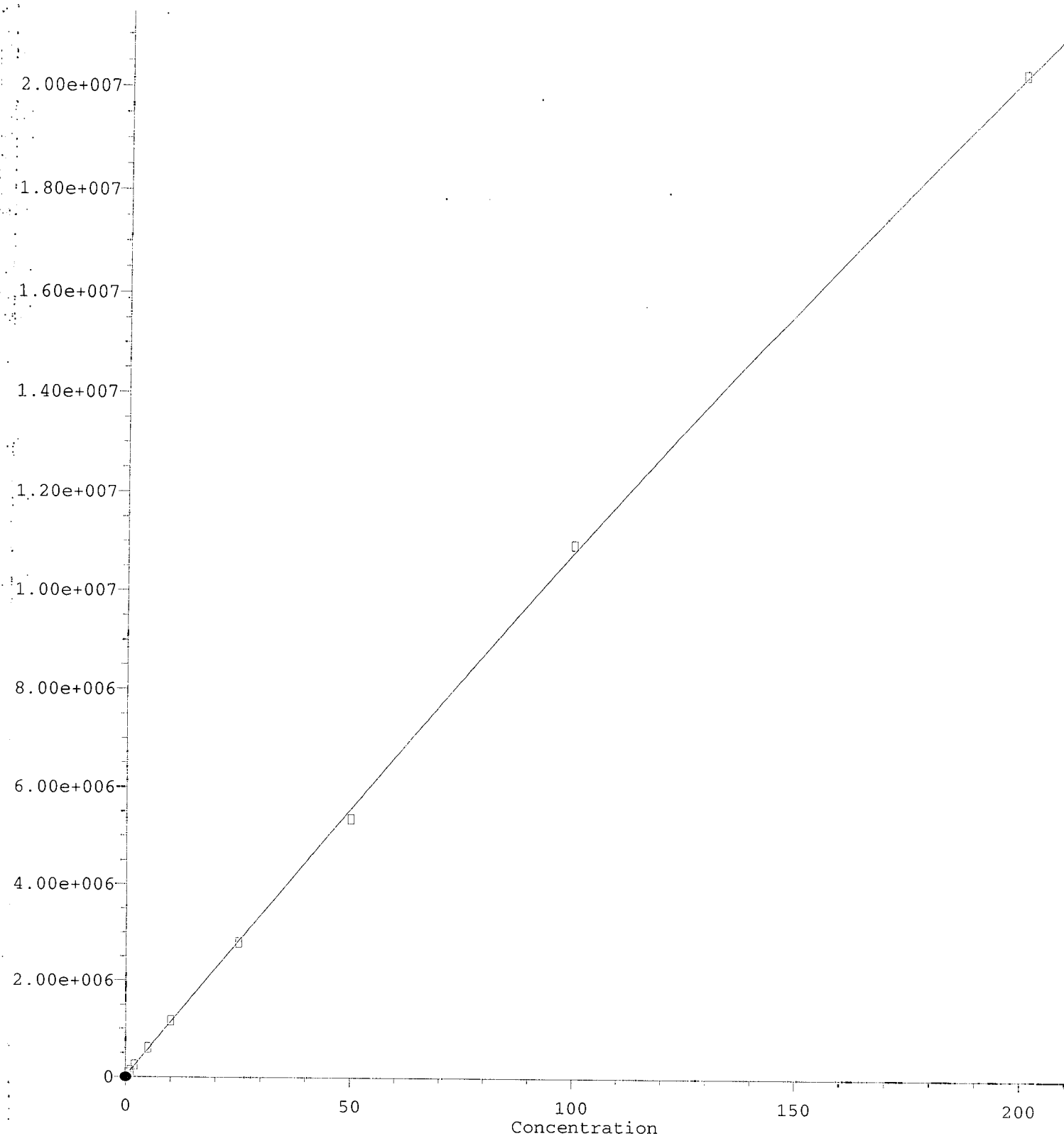
Signal #2

Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S TCMX (S)	Quad	1.5692 e4	1.1382 e5	-6.0412 e1	0.9994
2) a-BHC	Avg	-----	1.5697 e5	-----	0.0585
3) g-BHC	Avg	-----	1.3473 e5	-----	0.0563
4) b-BHC	Avg	-----	6.1416 e4	-----	0.0957
5) Heptachlor	Avg	-----	1.1320 e5	-----	0.0502
6) d-BHC	Avg	-----	-----	-----	-----
7) Aldrin	Avg	-----	1.3290 e5	-----	0.0722

8)	Heptachlor Epoxide	Avg	-----	1.1769	e5	-----	0.0828
9)	trans-Chlordane	Avg	-----	1.2060	e5	-----	0.0811
10)	cis-Chlordane	Avg	-----	1.1583	e5	-----	0.0962
11)	Endosulfan I	Avg	-----	1.0754	e5	-----	0.0958
12)	4,4'-DDE	Avg	-----	1.1515	e5	-----	0.0516
13)	Dieldrin	Avg	-----	1.1974	e5	-----	0.0628
14)	Endrin	Avg	-----	8.6450	e4	-----	0.0383
15)	4,4'-DDD	Avg	-----	9.4366	e4	-----	0.1022
16)	Endosulfan II	Avg	-----	9.1718	e4	-----	0.0821
17)	4,4'-DDT	Quad	-3.8517 e3	5.4571	e4	1.1875 e2	0.9947
18)	Endrin Aldehyde	Quad	1.9386 e4	8.0327	e4	-2.3577 e1	0.9985
19)	Endosulfan Sulfate	Avg	-----	8.4178	e4	-----	0.0795
20)	Methoxychlor	Quad	-1.1441 e3	2.5750	e4	5.7902 e1	0.9986
21)	Endrin Ketone	Avg	-----	9.5676	e4	-----	0.0816
22) S	DCBP (S)	Quad	1.6402 e4	6.7481	e4	-2.9599 e1	0.9992
23)	Hexachlorobutadiene	Quad	3.3927 e4	1.6460	e5	-1.9646 e2	0.9980
24)	Hexachlorobenzene	Quad	2.6563 e4	1.0901	e5	-4.9611 e1	0.9979
25)	Oxychlorane	Quad	2.1672 e4	9.8677	e4	-3.0107 e1	0.9962
26)	2,4'-DDE	Quad	1.7867 e4	7.7370	e4	-3.6074 e1	0.9978
27)	trans-Nonachlor	Quad	2.4254 e4	1.1038	e5	-5.6506 e1	0.9972
28)	2,4'-DDD	Quad	1.9342 e4	6.6591	e4	-2.1023 e1	0.9965
29)	2,4'-DDT	Avg	-----	5.3640	e4	-----	0.1041
30)	cis-Nonachlor	Quad	2.7348 e4	1.1634	e5	-4.5635 e1	0.9980
31)	Mirex	Quad	2.8039 e4	6.7732	e4	-1.8988 e1	0.9978
32)	Chlordane (1)	Avg	-----	1.4467	e4	-----	0.0853
33)	Chlordane (2)	Avg	-----	1.2361	e4	-----	0.0911
34)	Chlordane (3)	Quad	1.5604 e4	3.5976	e3	0.0056	0.9978
35)	Chlordane - AVE	Avg	-----	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	1.1200	e3	-----	0.0564
37)	Toxaphene (2)	Avg	-----	1.3641	e3	-----	0.0625
38)	Toxaphene (3)	Avg	-----	2.1703	e3	-----	0.1000
39)	Toxaphene (4)	Quad	3.1421 e4	3.1213	e3	0.1138	0.9997
40)	Toxaphene (5)	Quad	5.9133 e3	1.8085	e3	0.0473	0.9995
41)	Toxaphene (6)	Avg	-----	2.0240	e3	-----	0.0956
42)	Toxaphene - AVE	Avg	-----	-----	-----	-----	0.0000

ECD3_QUANTPEST_200410.M Mon Apr 13 14:58:56 2020

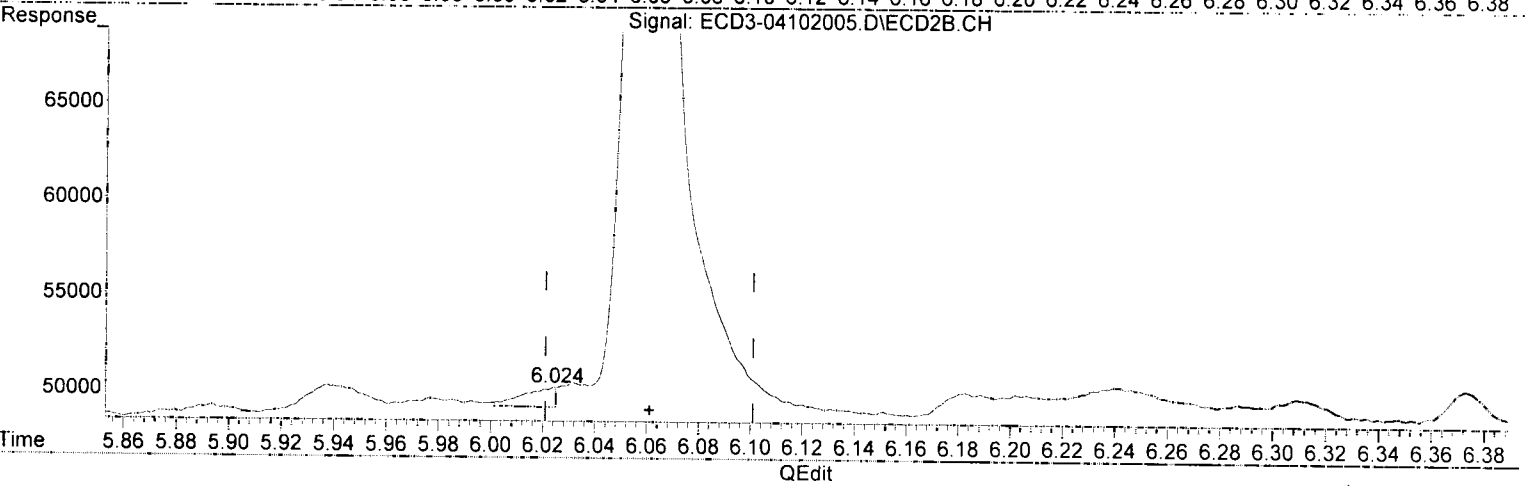
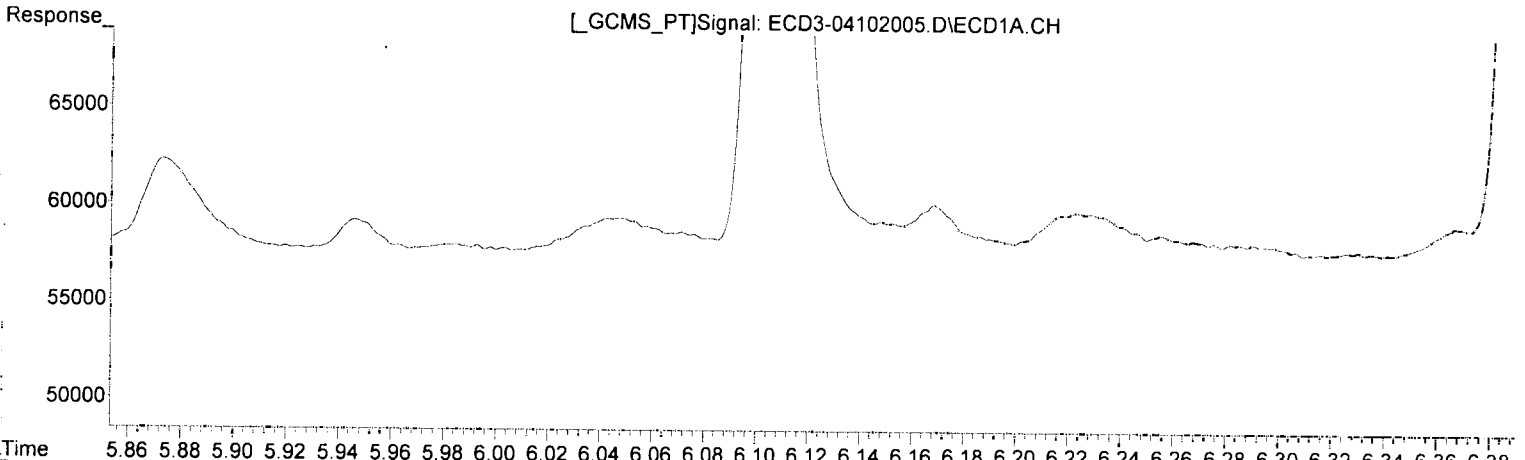
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



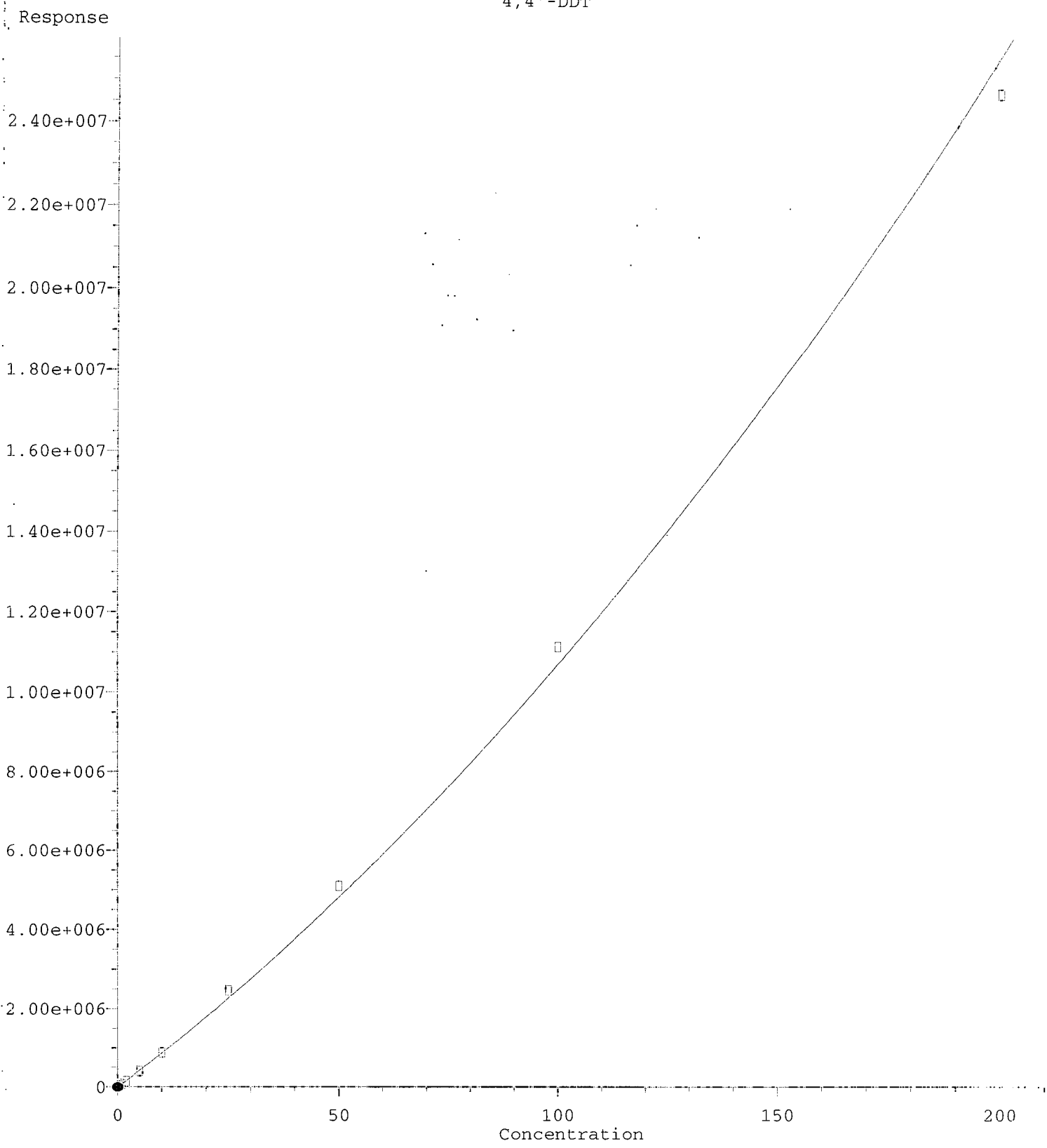
(1) TCMX (S) (S)
5.561min 0.579 ng/mL
response 85749

MJB
4/13/20

(1) TCMX (S) #2 (S)
6.024min 1884.105 ng/mL (m)
response 1030

Qedit

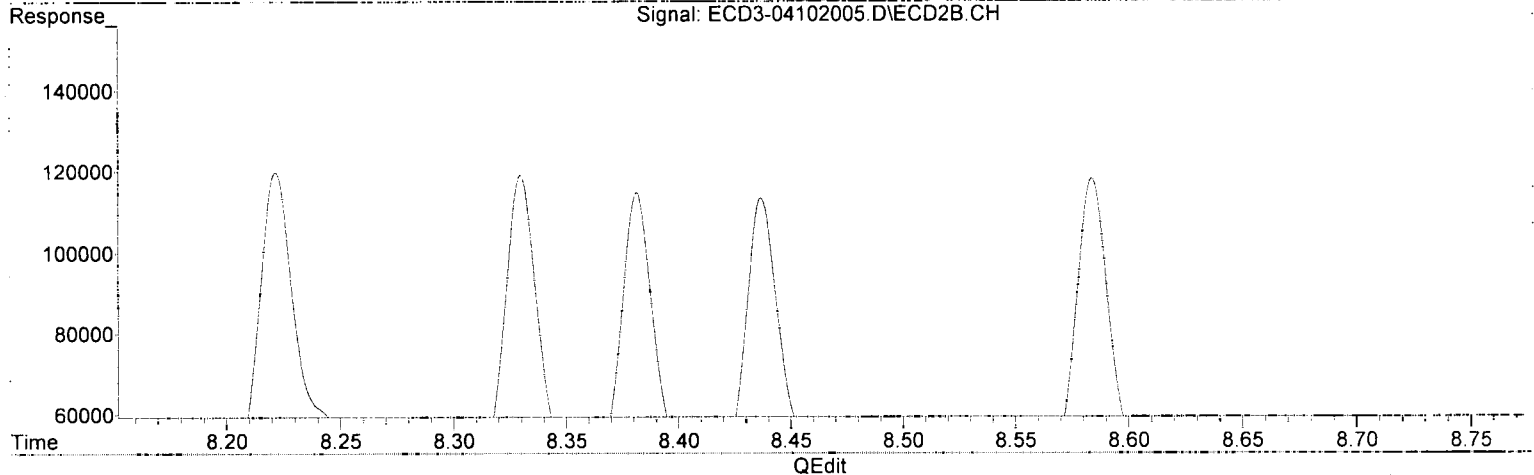
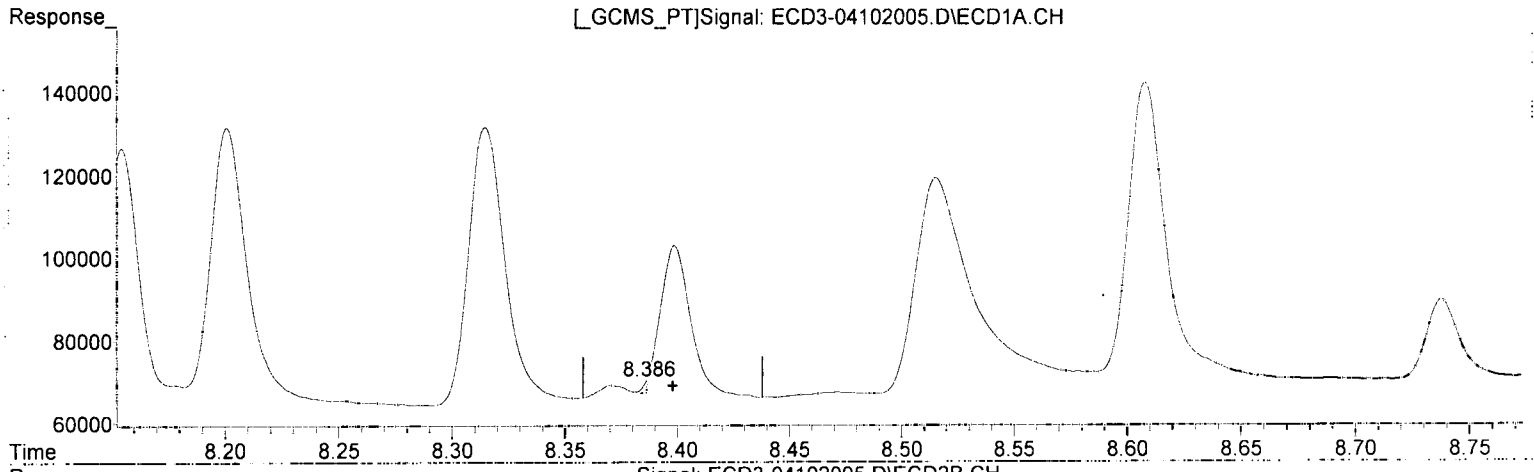
4,4'-DDT



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : OD10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



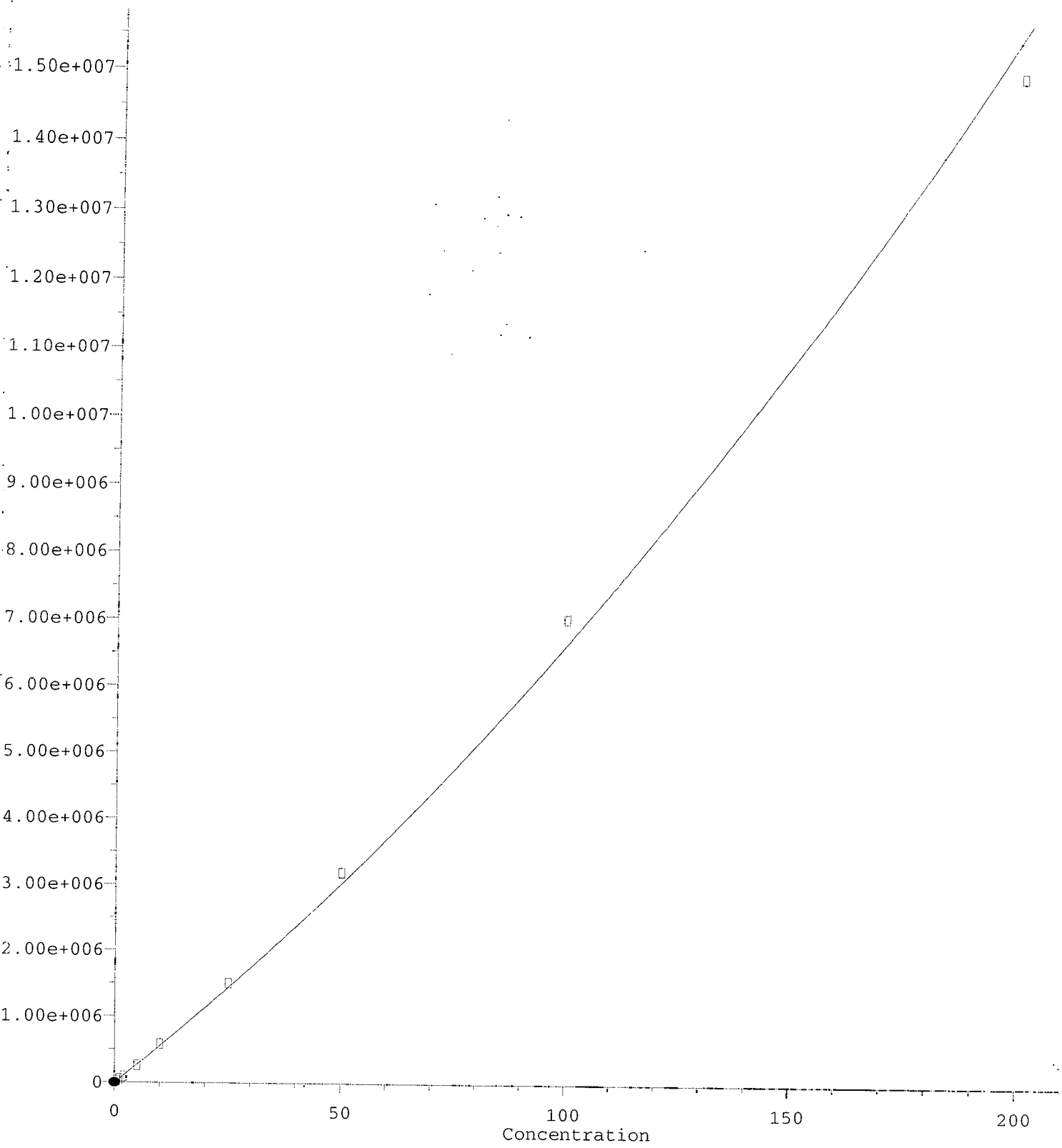
(17) 4,4'-DDT
8.386min 0.125 ng/mL (m)
response 2810

MJB
4/13/20

(17) 4,4'-DDT #2
9.084min 0.524 ng/mL
response 24779

4,4'-DDT #2

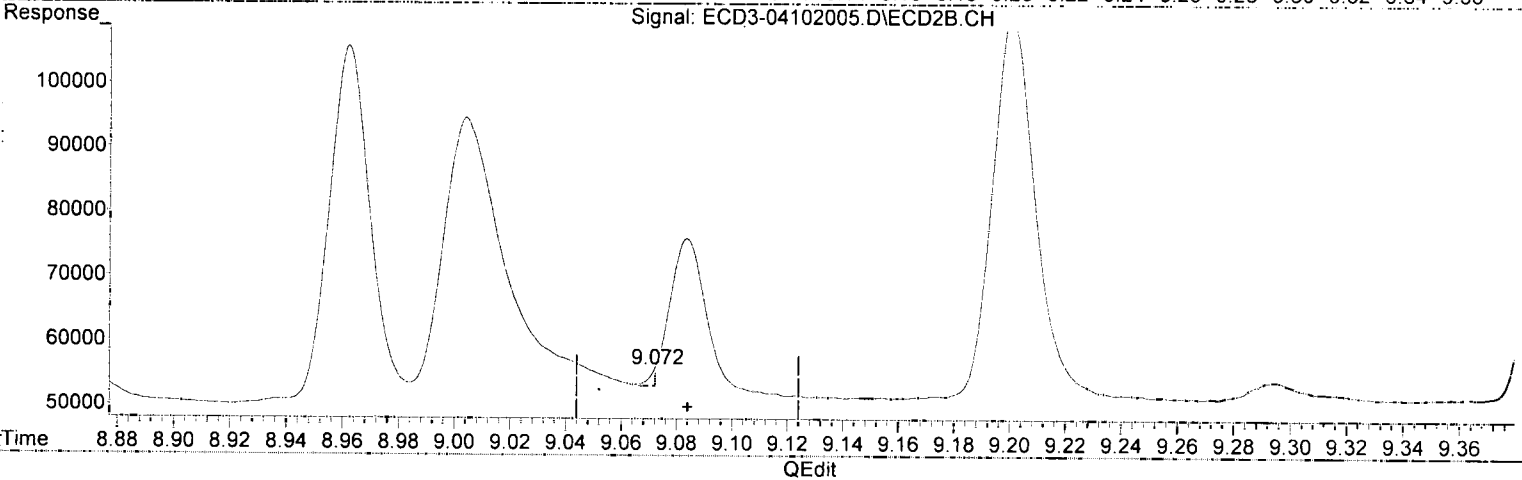
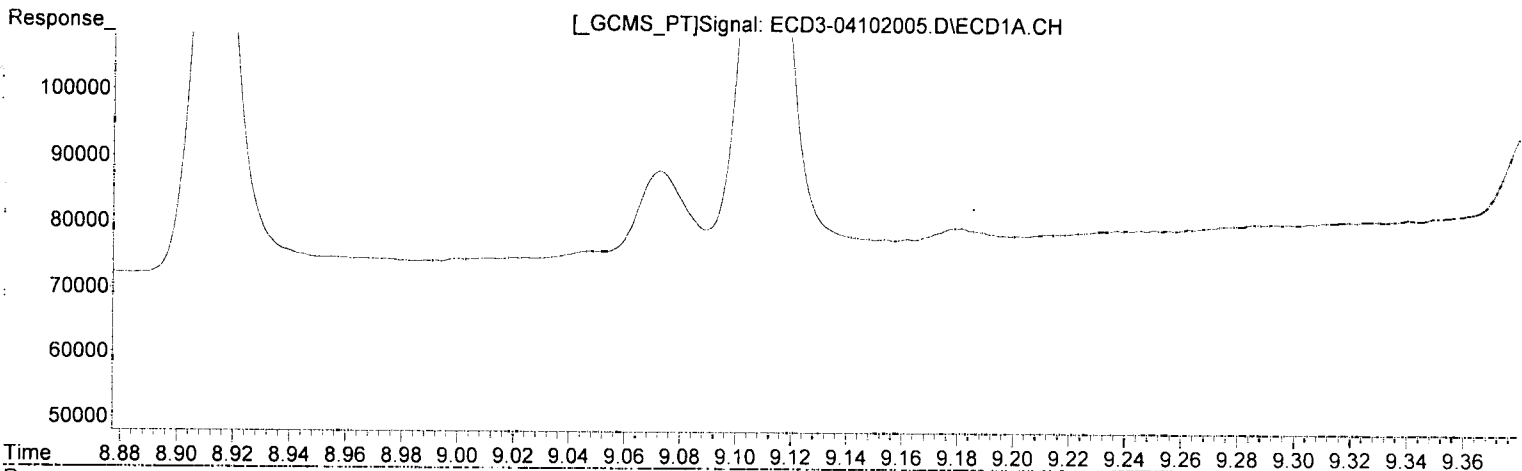
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

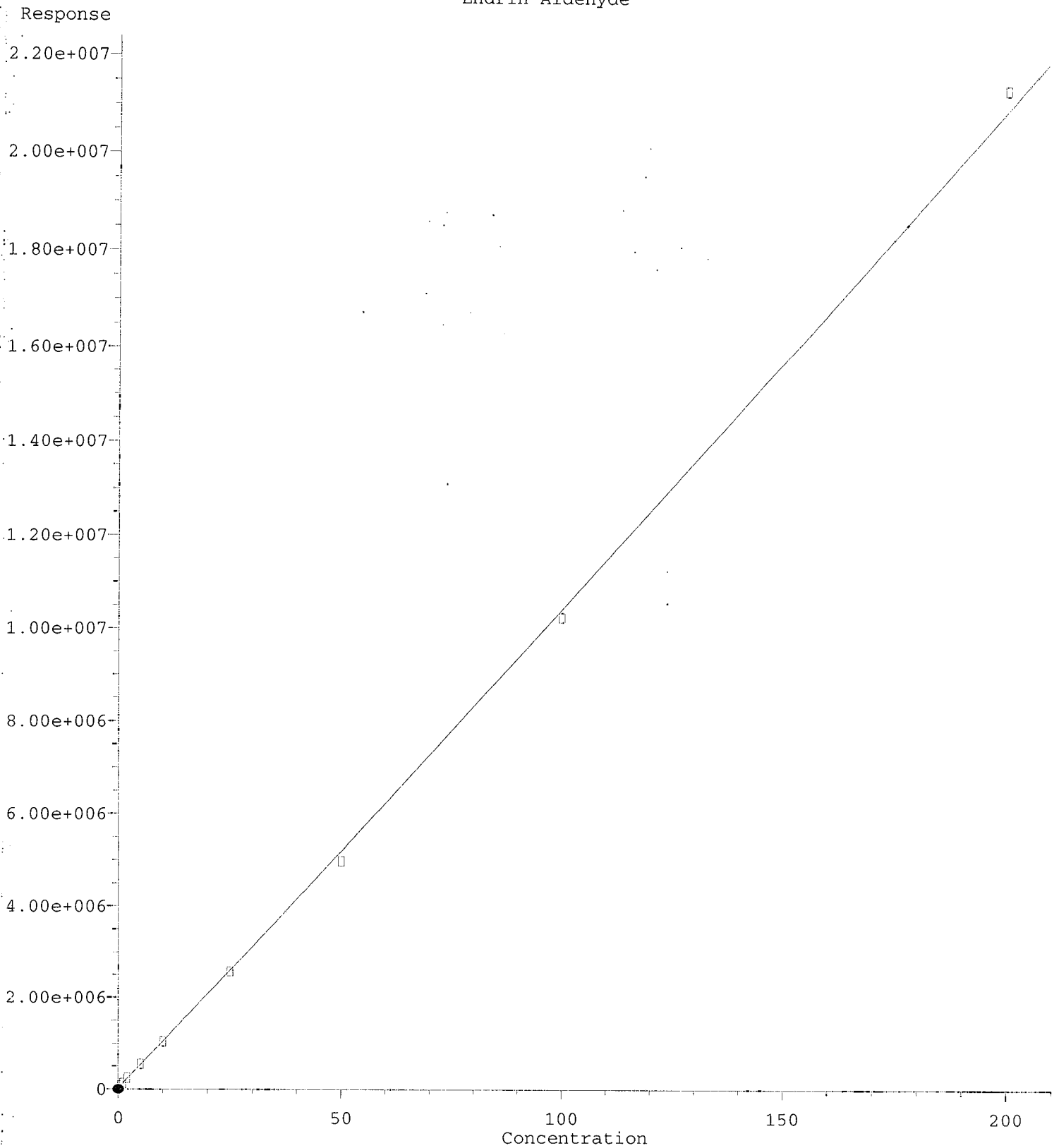


(17) 4,4'-DDT
8.386min 0.125 ng/mL m
response 2810

MJB
4/13/20

(17) 4,4'-DDT #2
9.072min 0.118 ng/mL (m)
response 2614

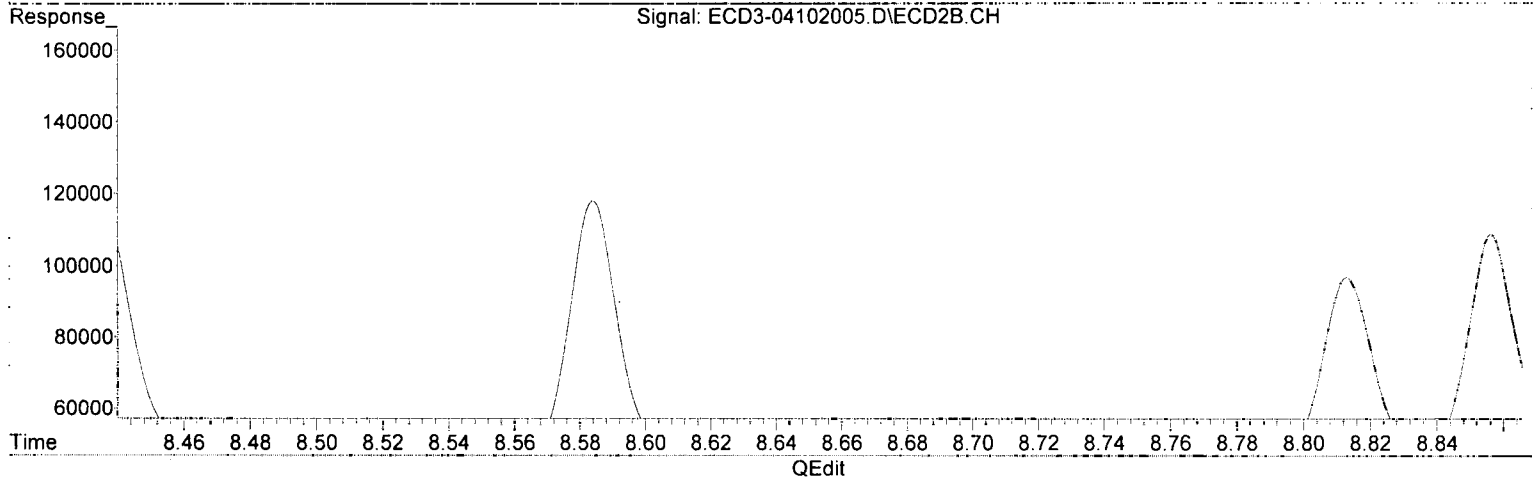
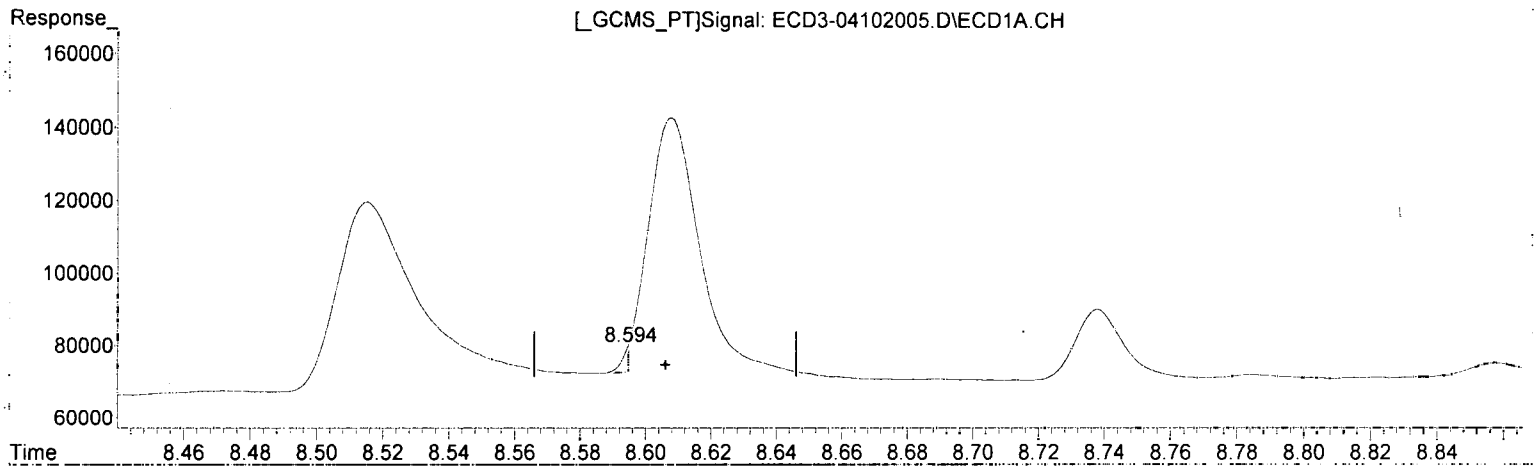
Endrin Aldehyde



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

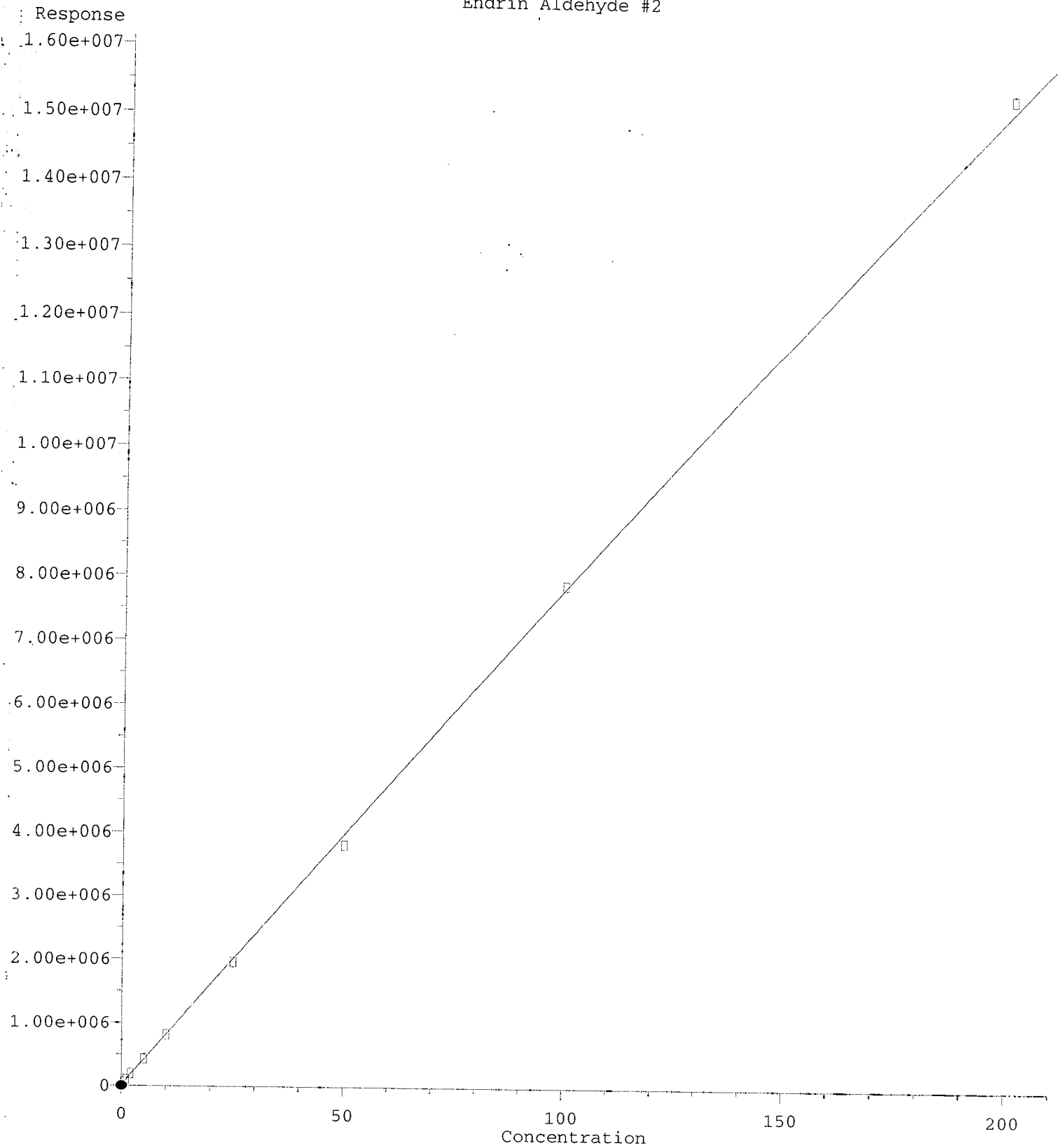


(18) Endrin Aldehyde
8.594min -0.156 ng/mL(m)
response 7081

MJB
4/13/20

(18) Endrin Aldehyde #2
9.201min 0.490 ng/mL
response 58732

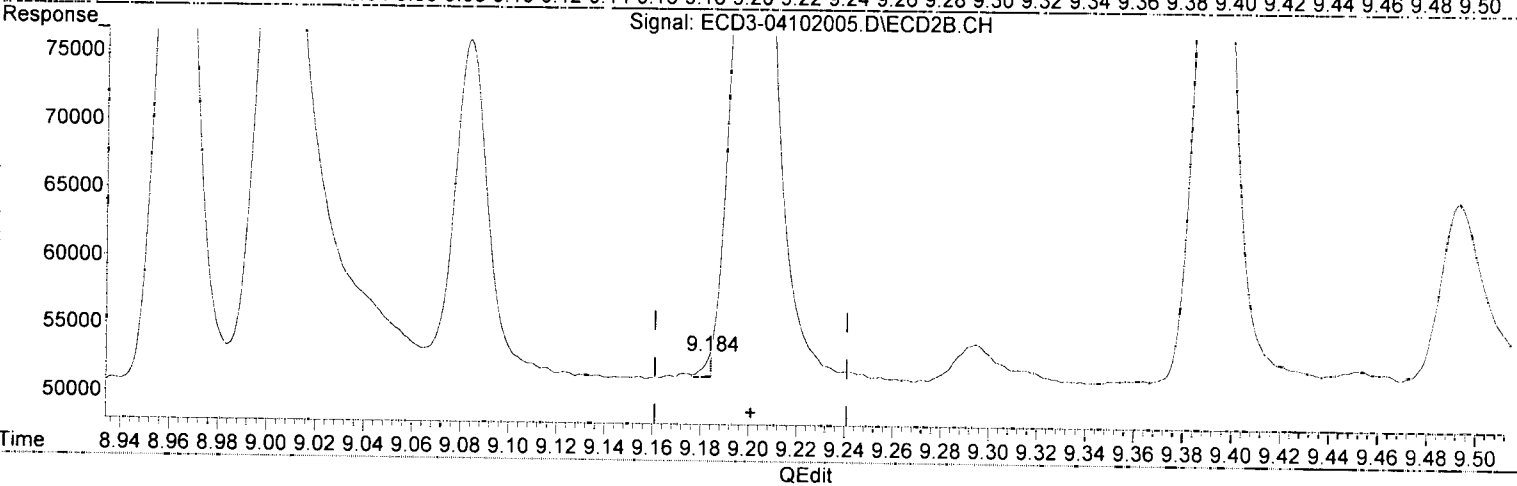
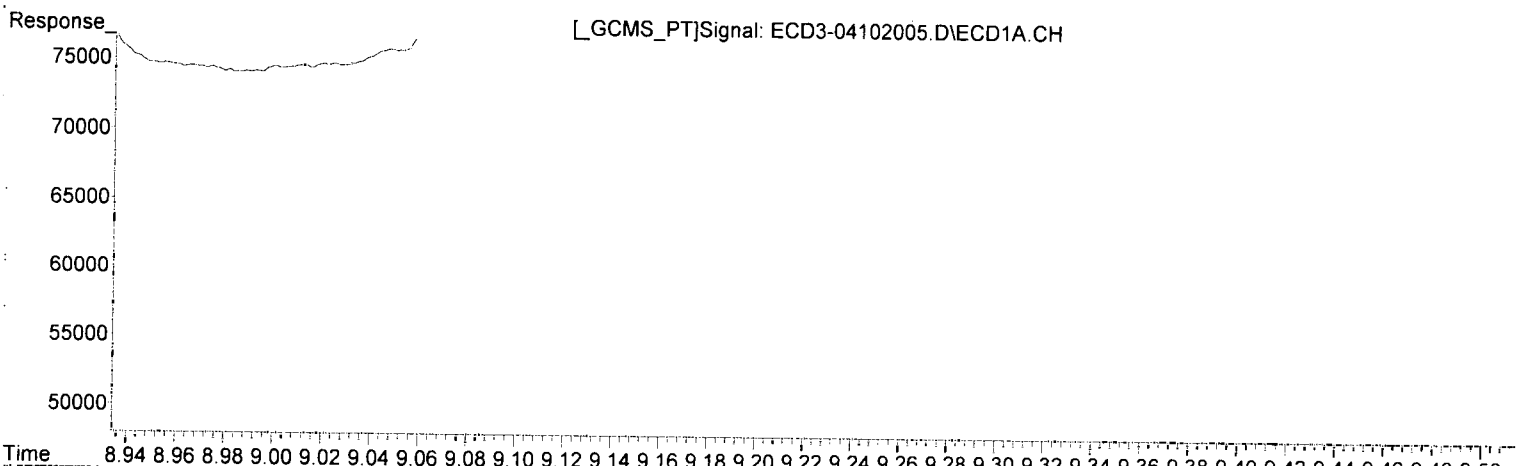
Endrin Aldehyde #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

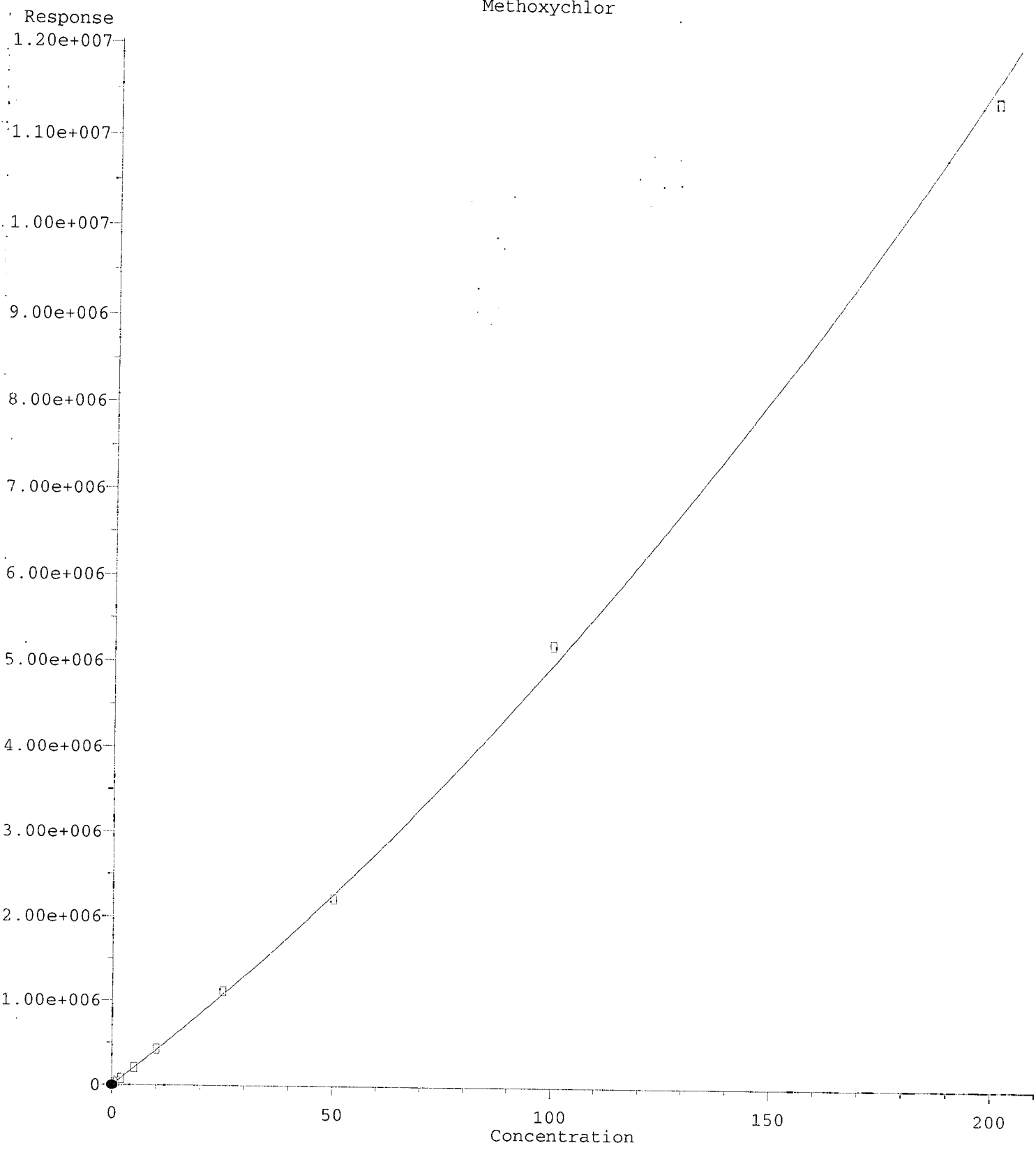


(18) Endrin Aldehyde
8.594min -0.156 ng/mL m
response 7081

MJB
4/13/20

(18) Endrin Aldehyde #2
9.184min 3407 / 189 ng/mL (m) *Qve'*
response 1523

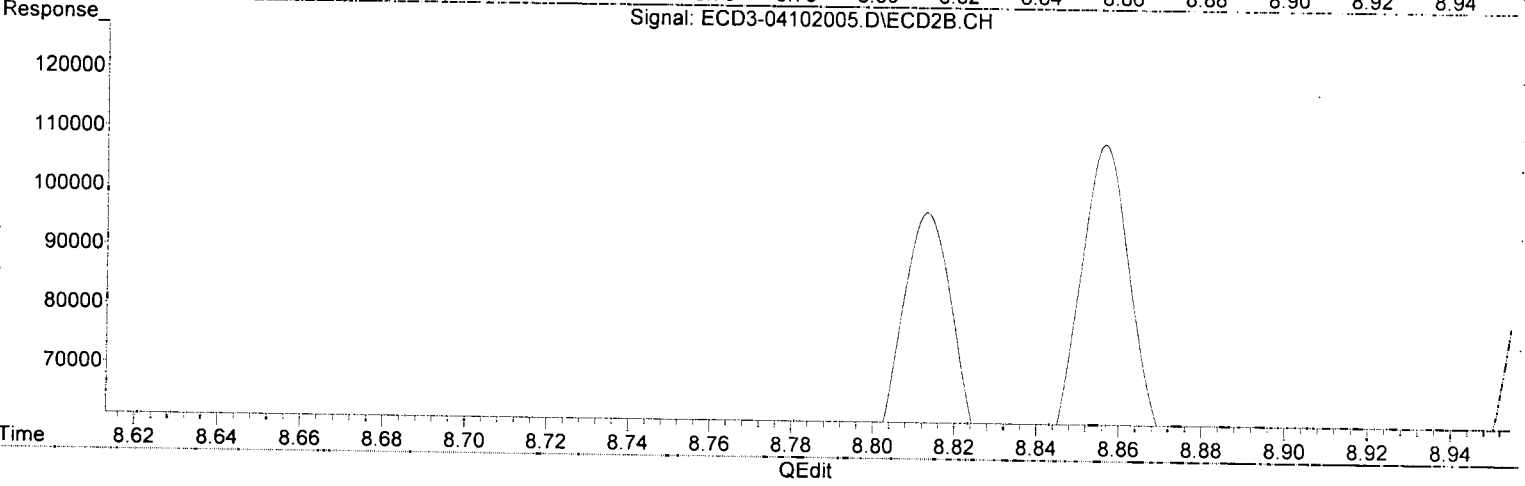
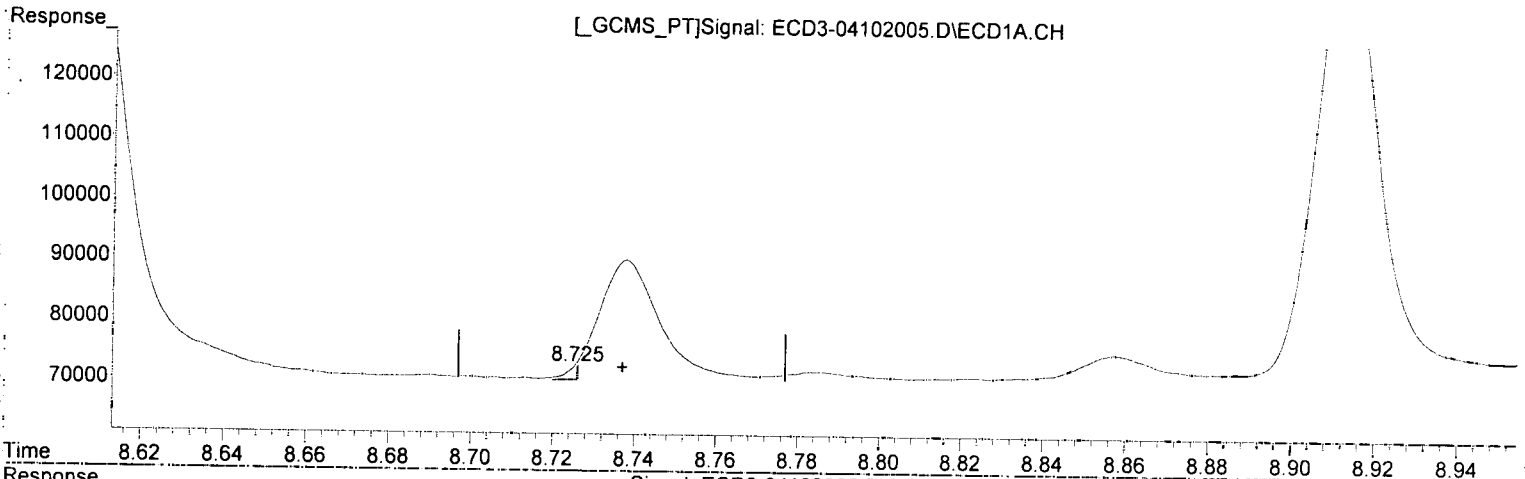
Methoxychlor



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

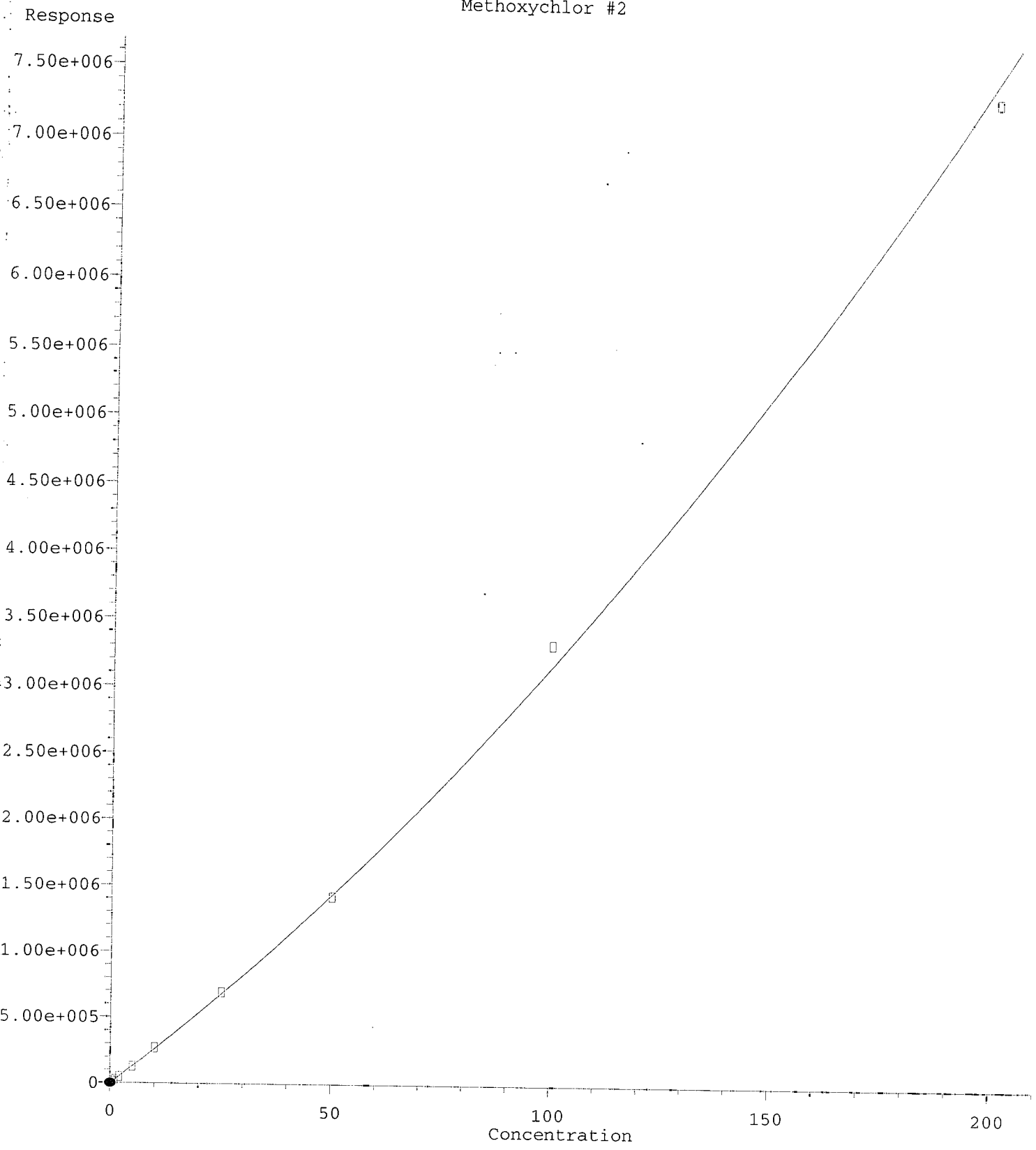


(20) Methoxychlor
8.725min 0.093 ng/mL (m)
response 2250

*MB
4/13/20*

(20) Methoxychlor #2
9.568min 0.506 ng/mL
response 11909

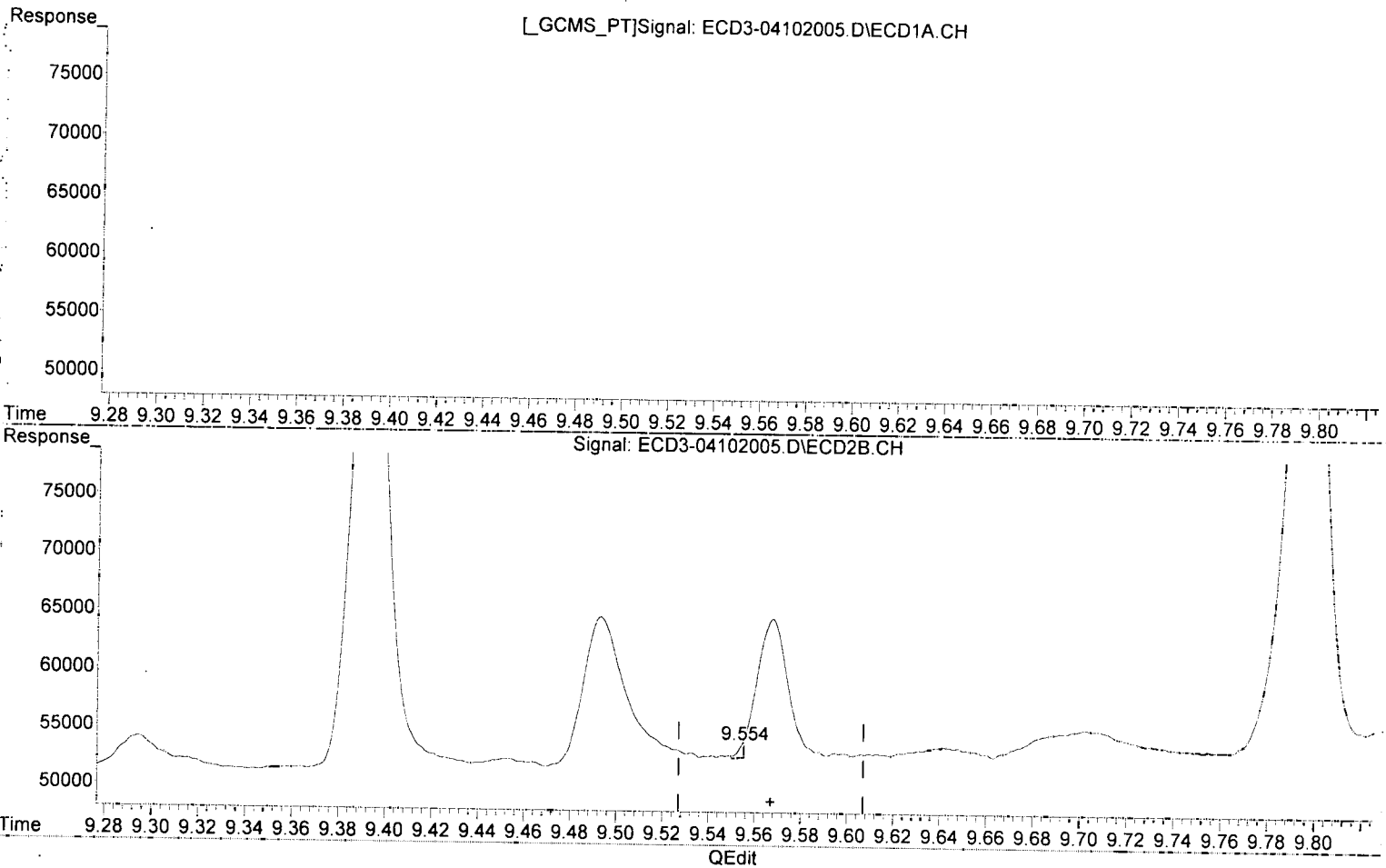
Methoxychlor #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



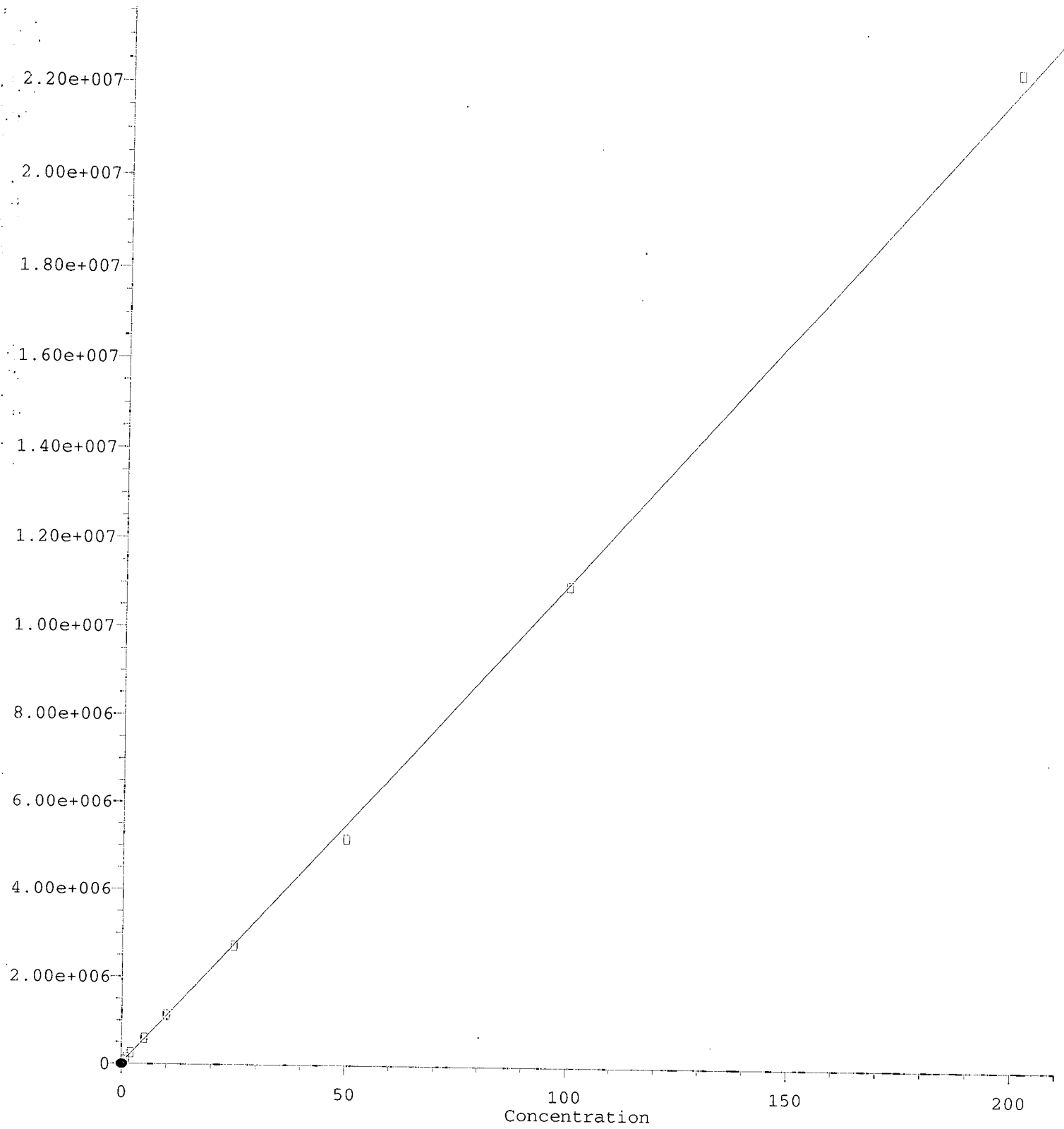
(20) Methoxychlor
8.725min 0.093 ng/mL m
response 2250

*MB
4/13/20*

(20) Methoxychlor #2
9.554min 0.088 ng/mL(m)
response 1132

DCBP (S)

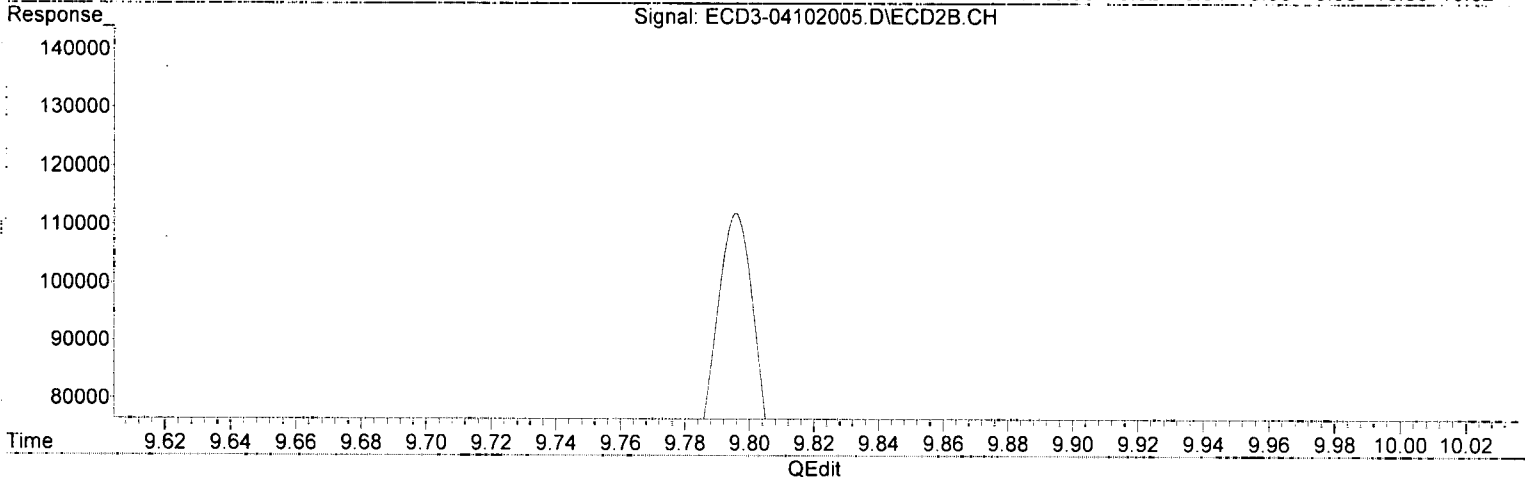
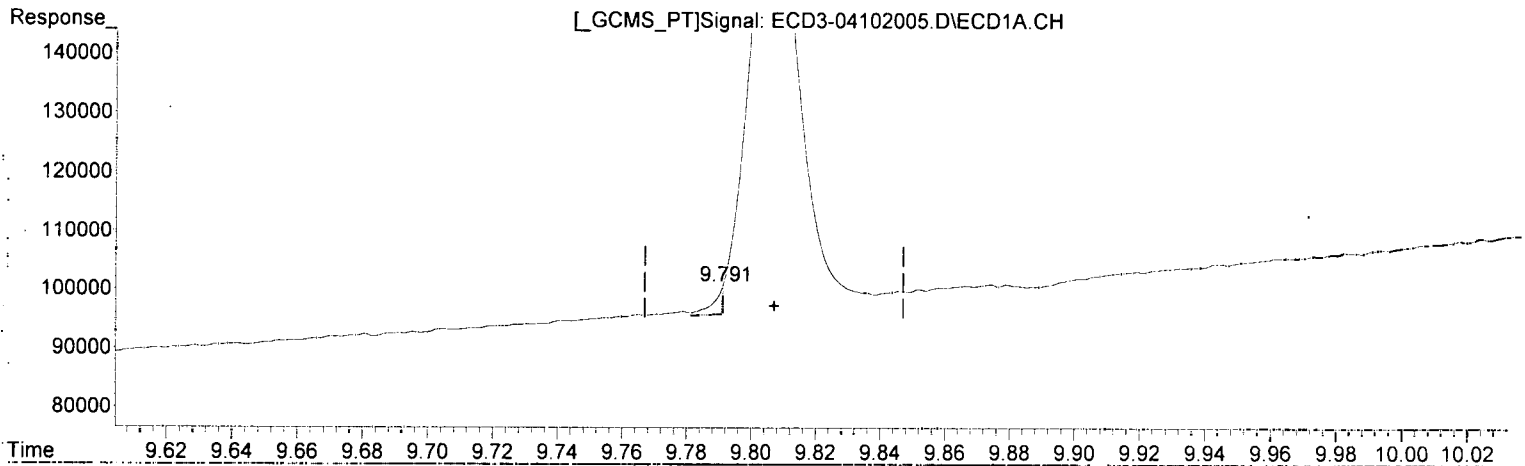
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

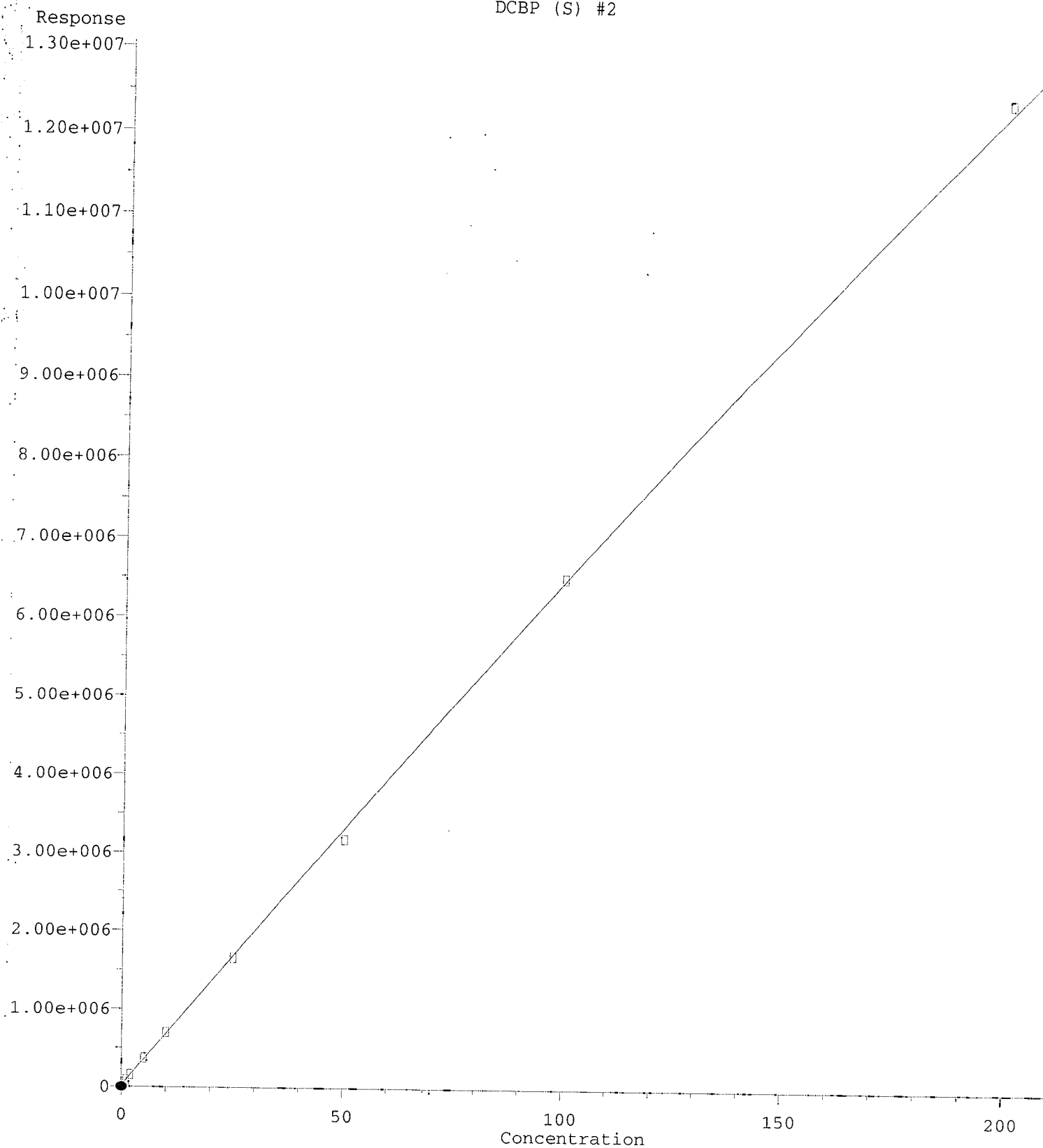


(22) DCBP (S) (S)
9.791min -0.183 ng/mL (+)
response 4759

MJB
4/13/20

(22) DCBP (S) #2 (S)
10.678min 0.505 ng/mL
response 50449

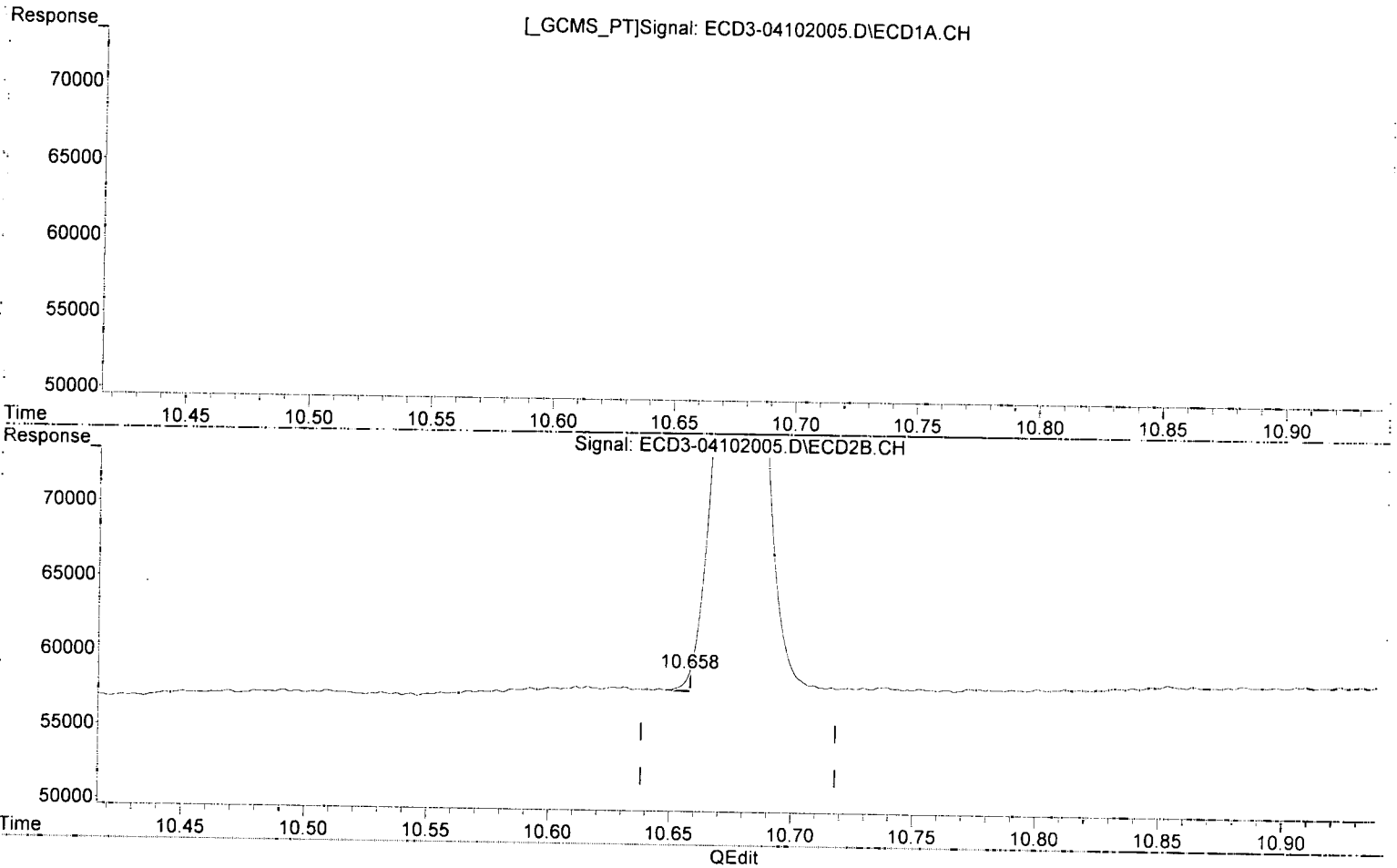
DCBP (S) #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

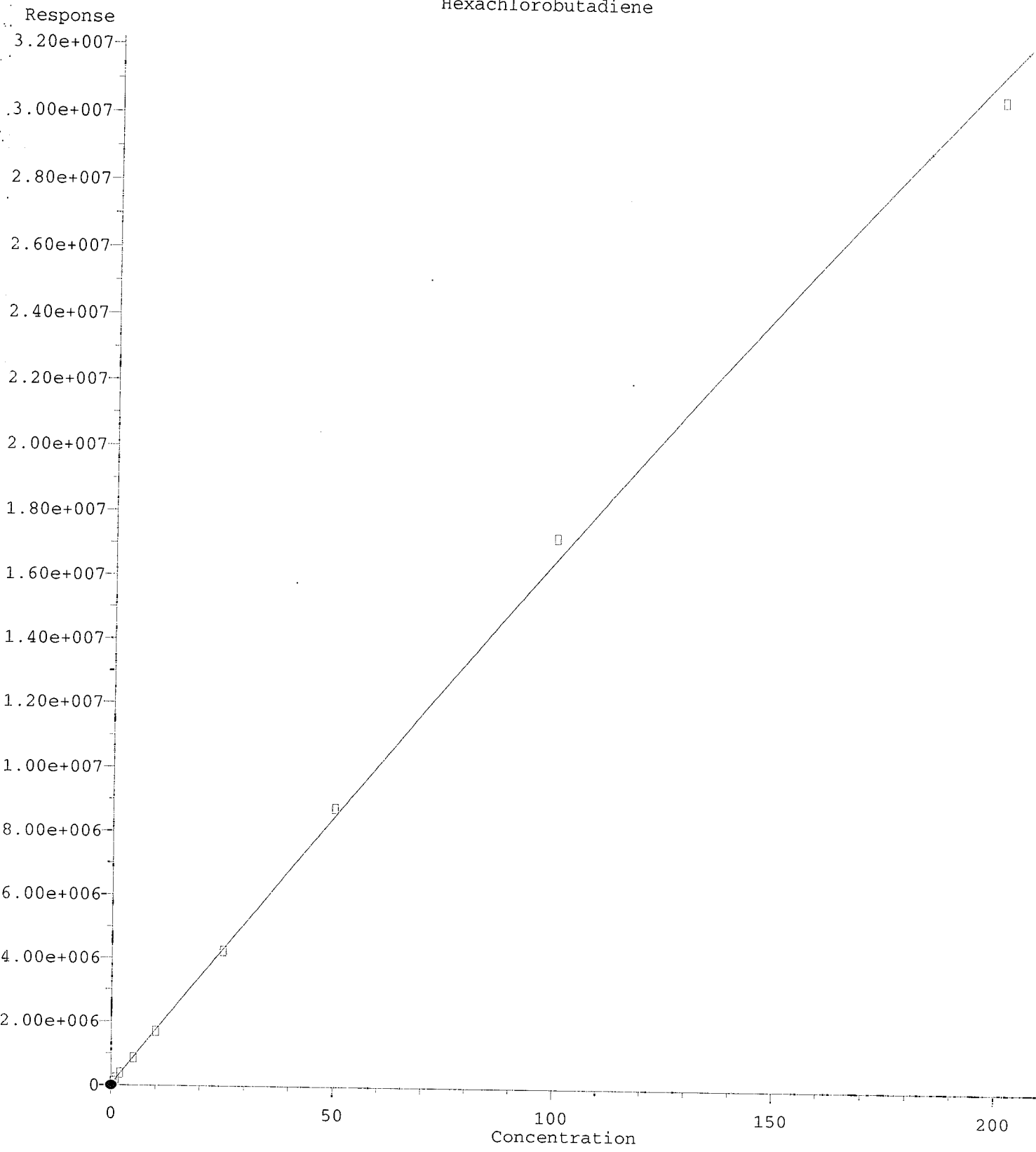


(22) DCBP (S) (S)
9.791min -0.183 ng/mL m
response 4759

MJB
4/13/20

~~(22) DCBP (S) #2 (S)
10.658min 2280.071 ng/mL (m) QEA
response 1244~~

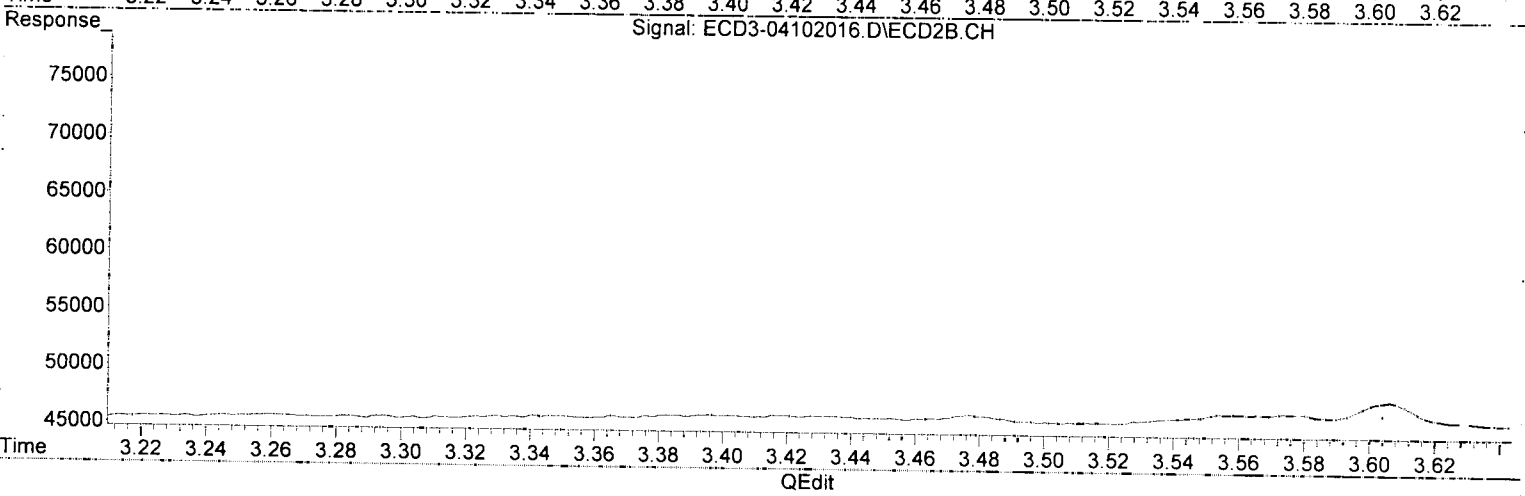
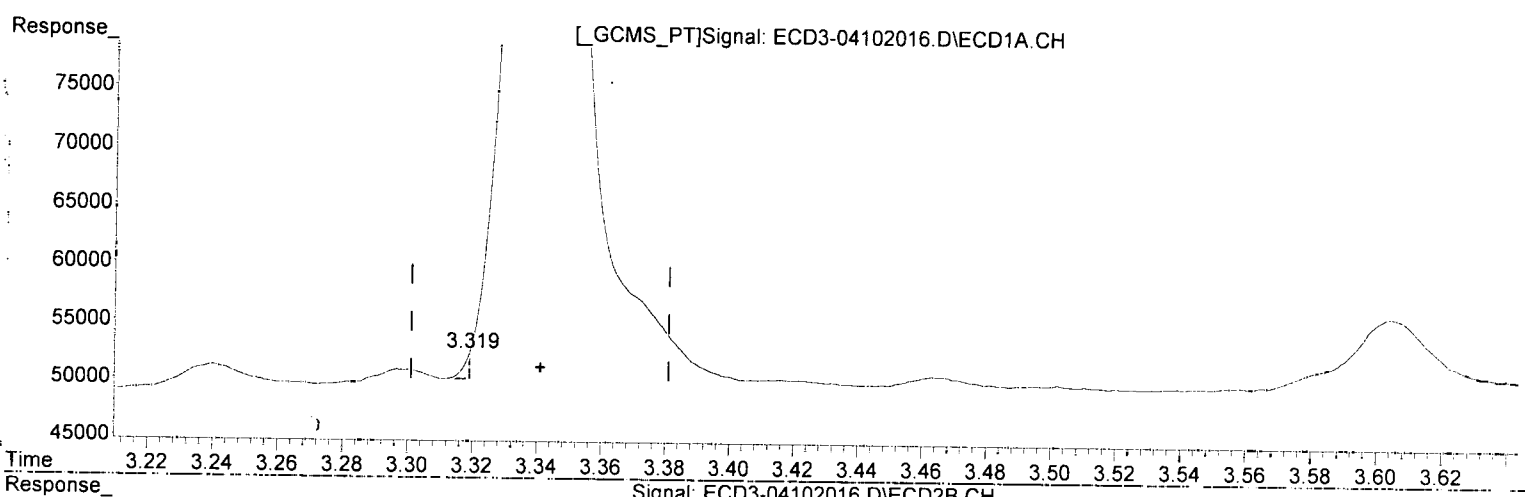
Hexachlorobutadiene



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

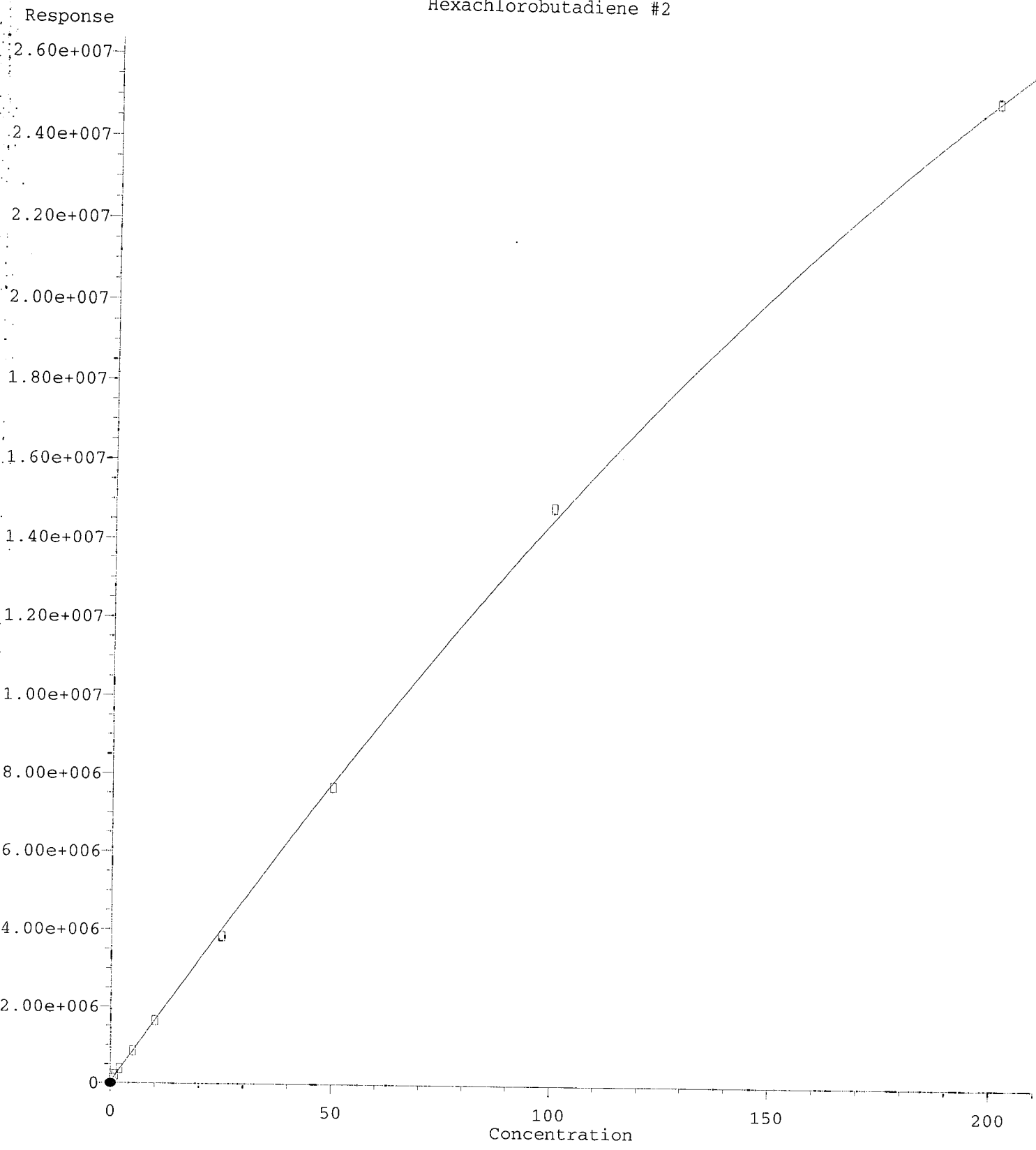


~~(23) Hexachlorobutadiene
3.319min 2108.689 ng/mL(m) Q-D-1
response 2256~~

WB
4/13/20

(23) Hexachlorobutadiene #2
3.736min 0.479 ng/mL
response 112755

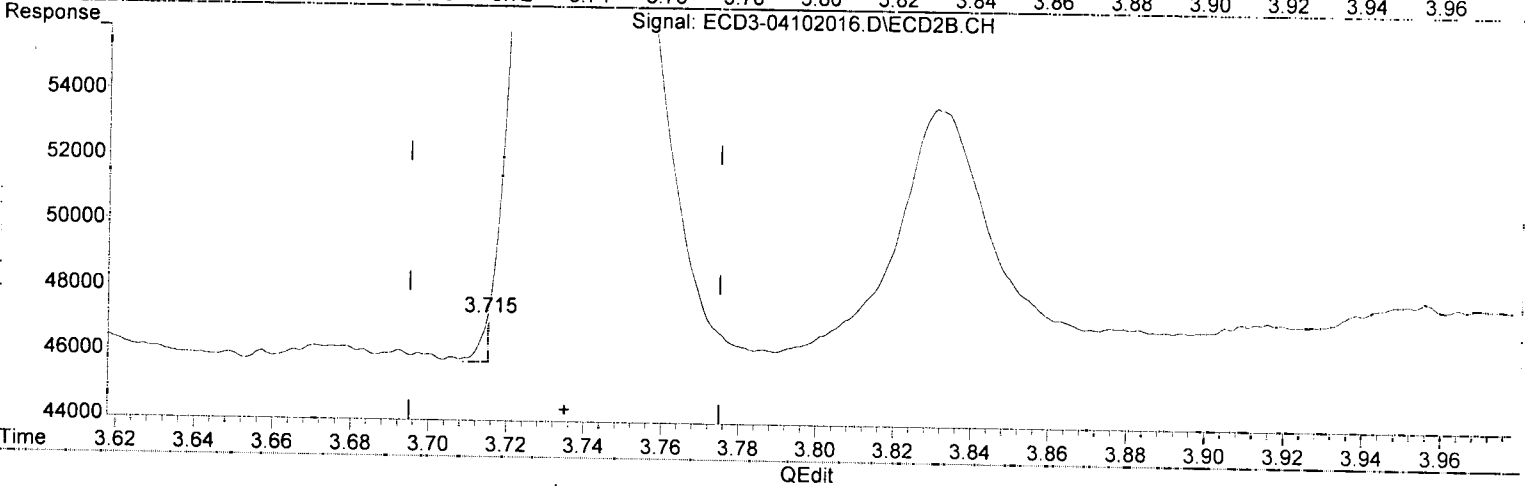
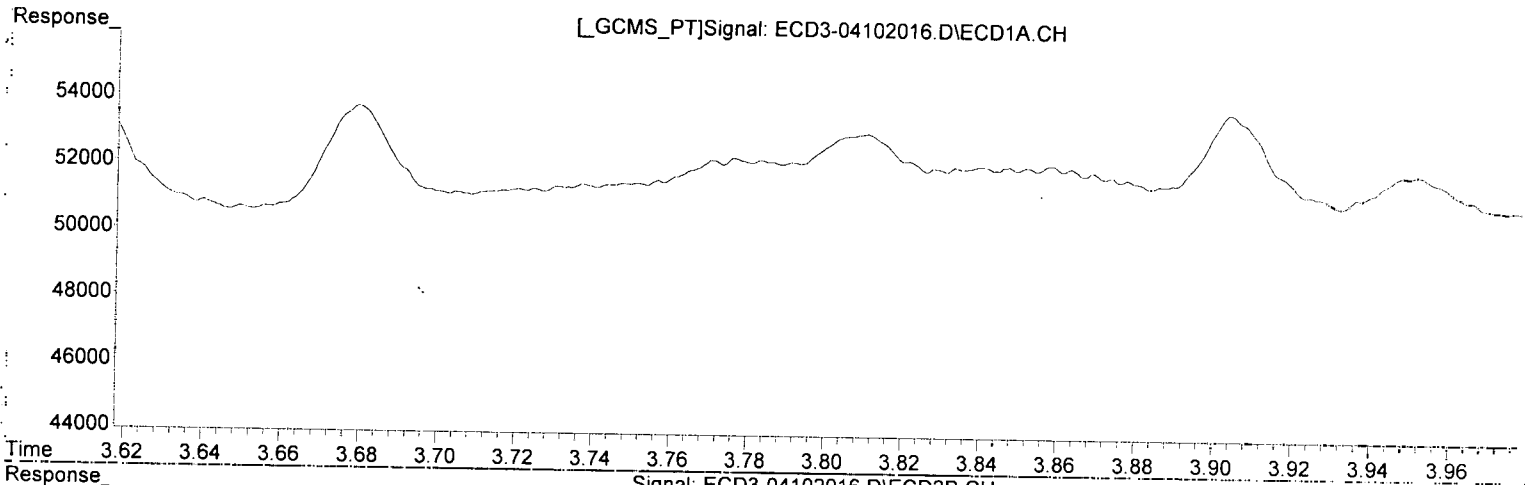
Hexachlorobutadiene #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



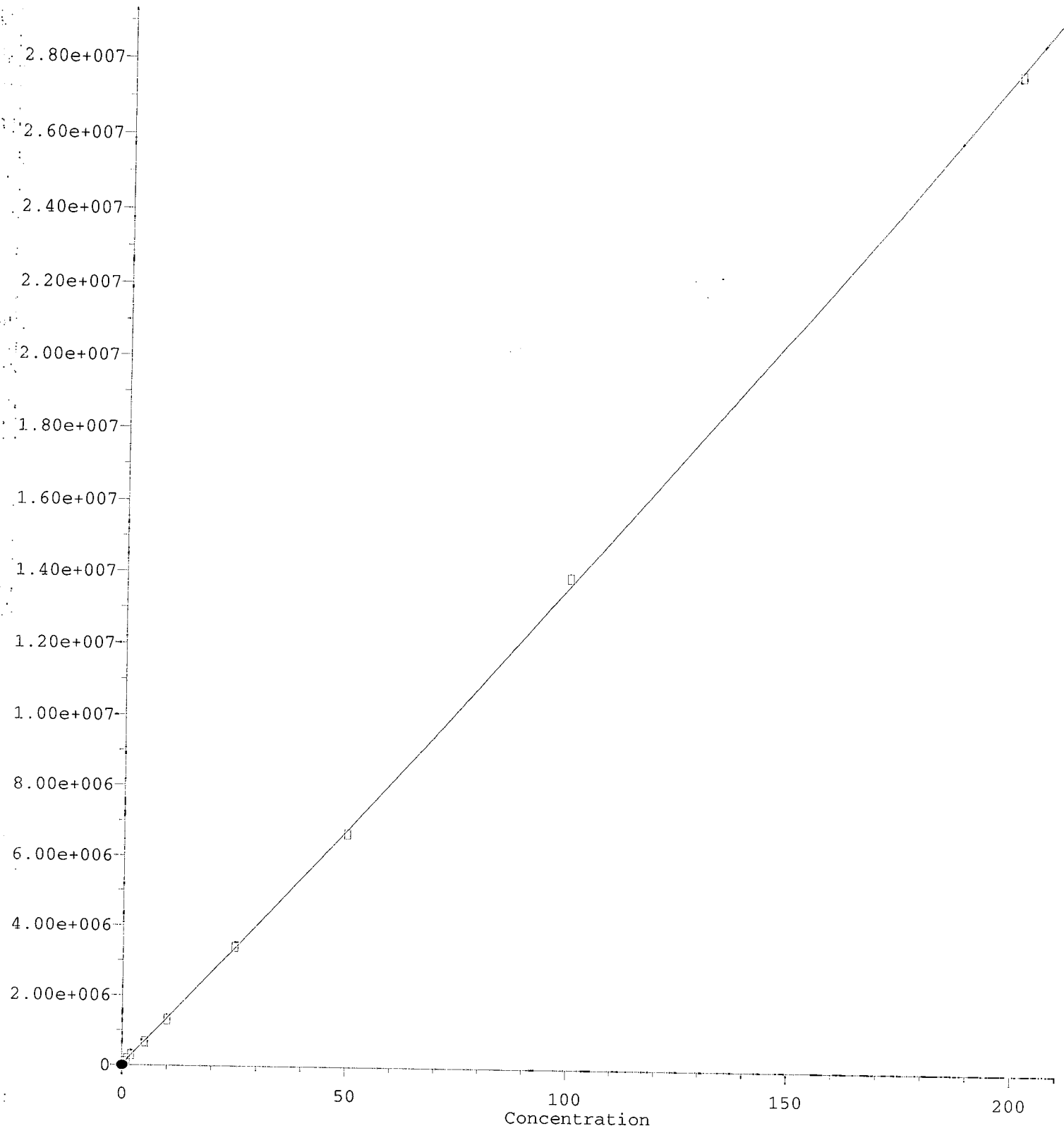
(23) Hexachlorobutadiene
3.319min 2108.689 ng/mL m
response 2256

MR
4/13/20

(23) Hexachlorobutadiene #2
3.715min 838.068 ng/mL m *621*
response 1371

Hexachlorobenzene

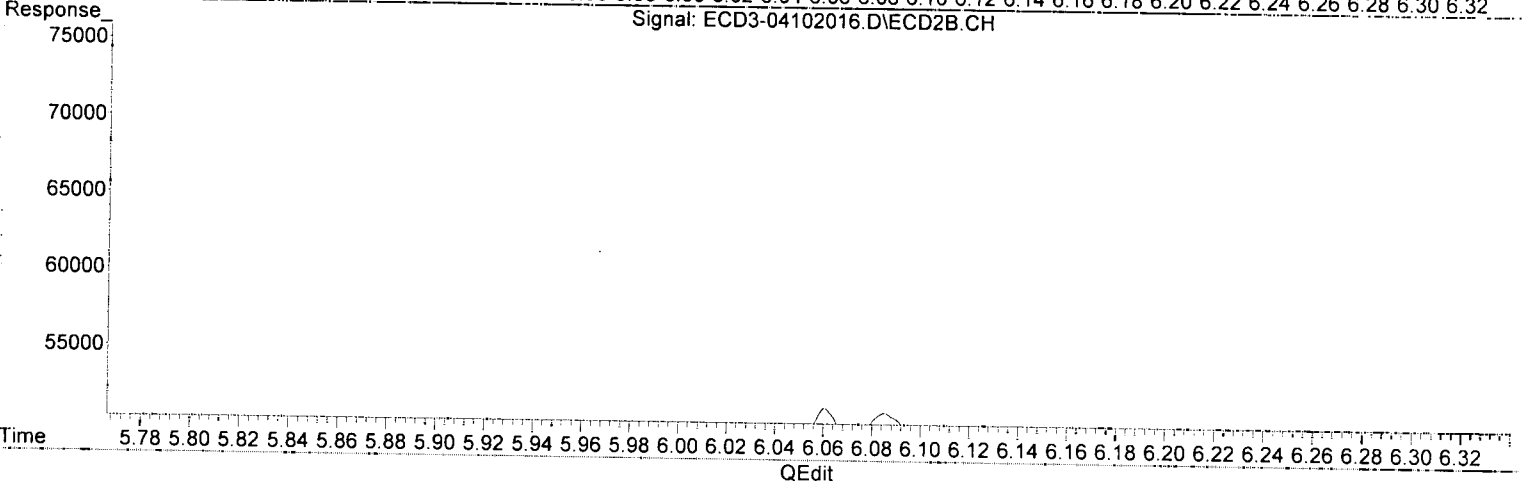
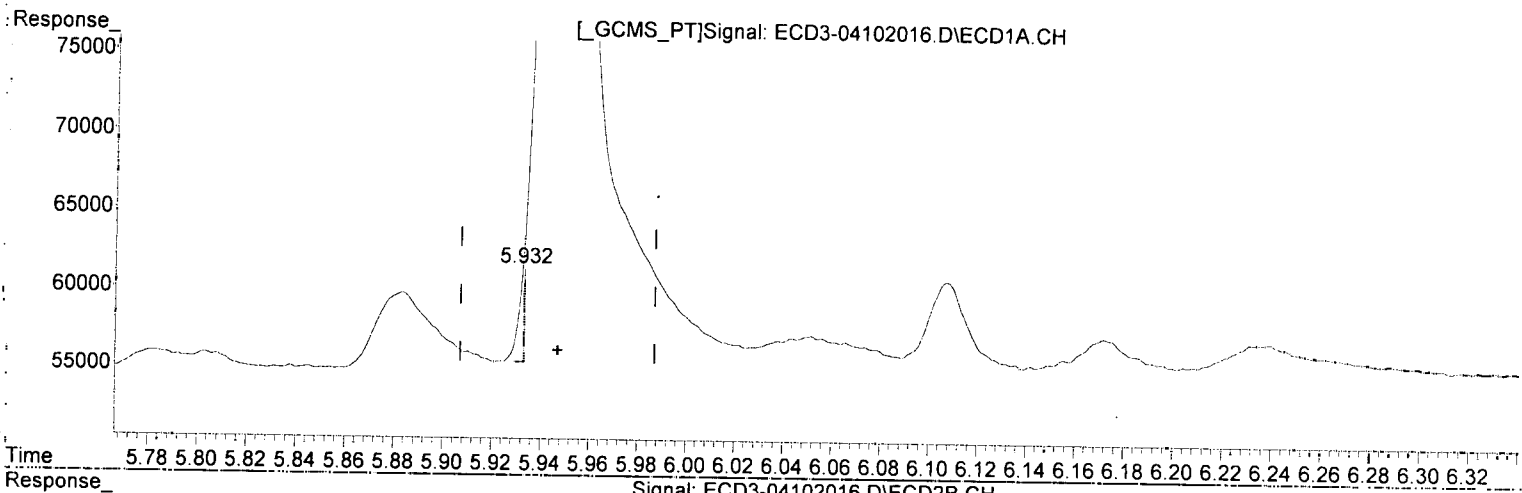
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

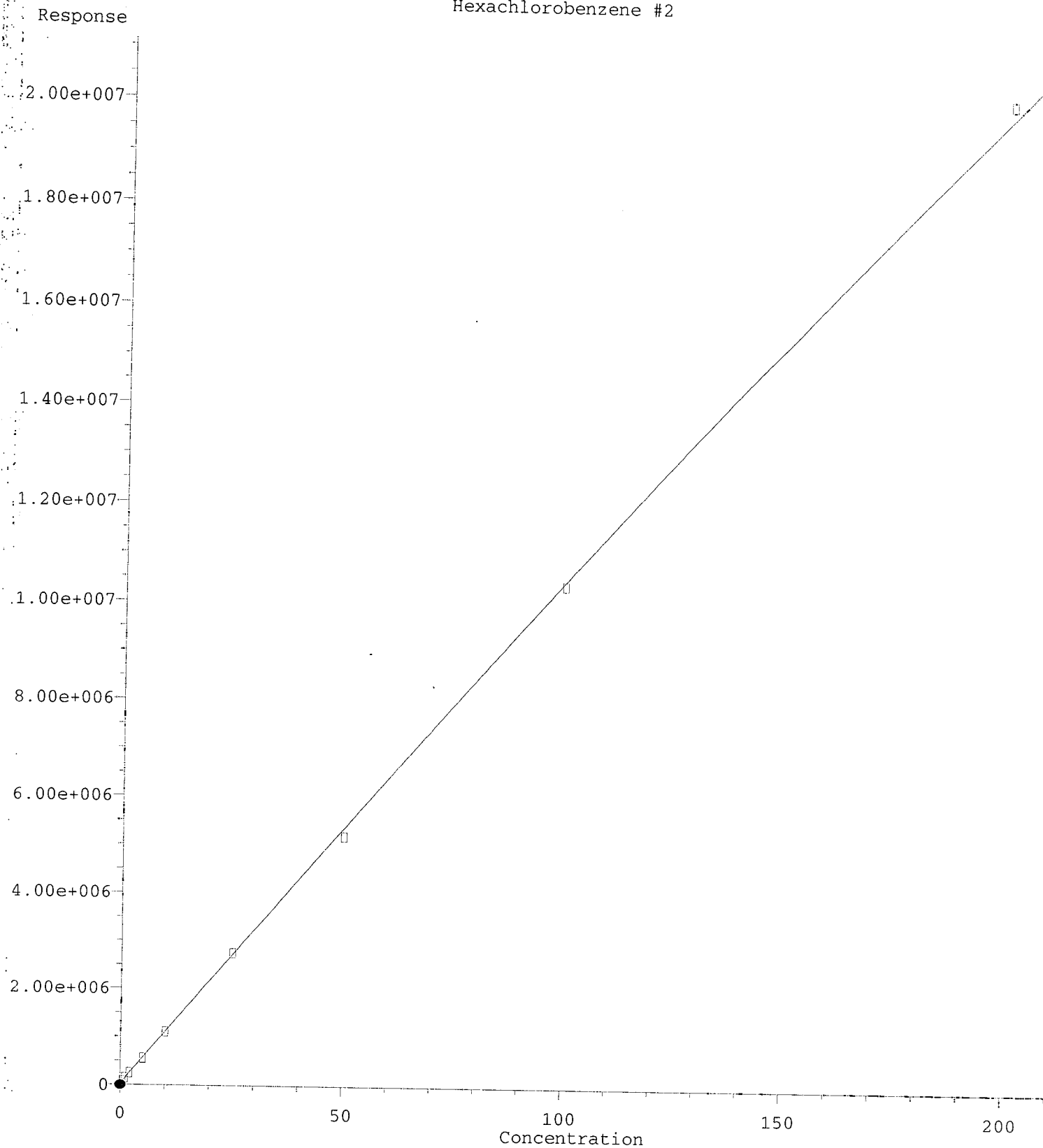


(24) Hexachlorobenzene
5.932min -0.158 ng/mL (m)
response 6011

MR
4/13/20

(24) Hexachlorobenzene #2
6.532min 0.478 ng/mL
response 78616

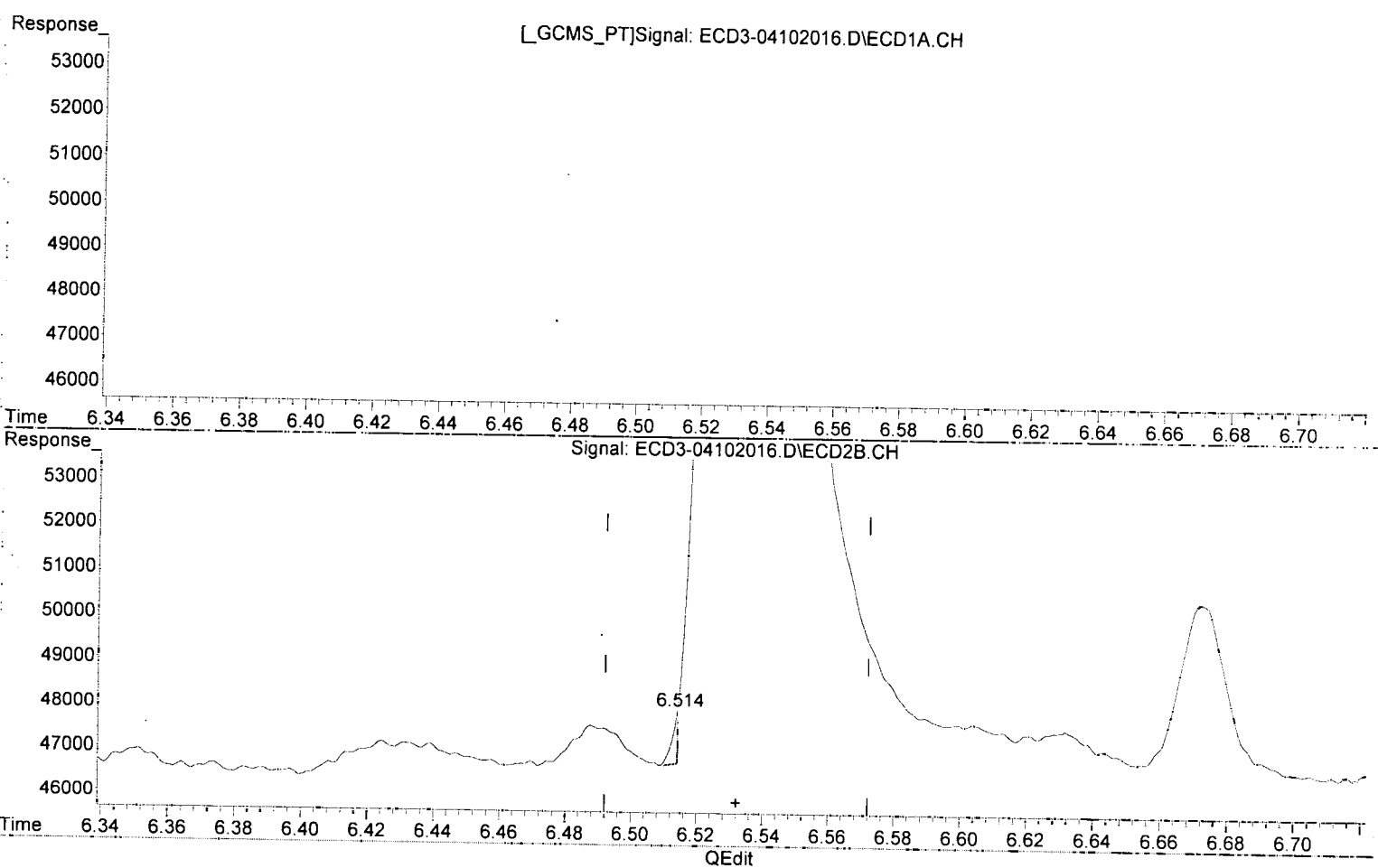
Hexachlorobenzene #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUNT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(24) Hexachlorobenzene

5.932min -0.158 ng/mL m

response 6011

MJB
4/13/20

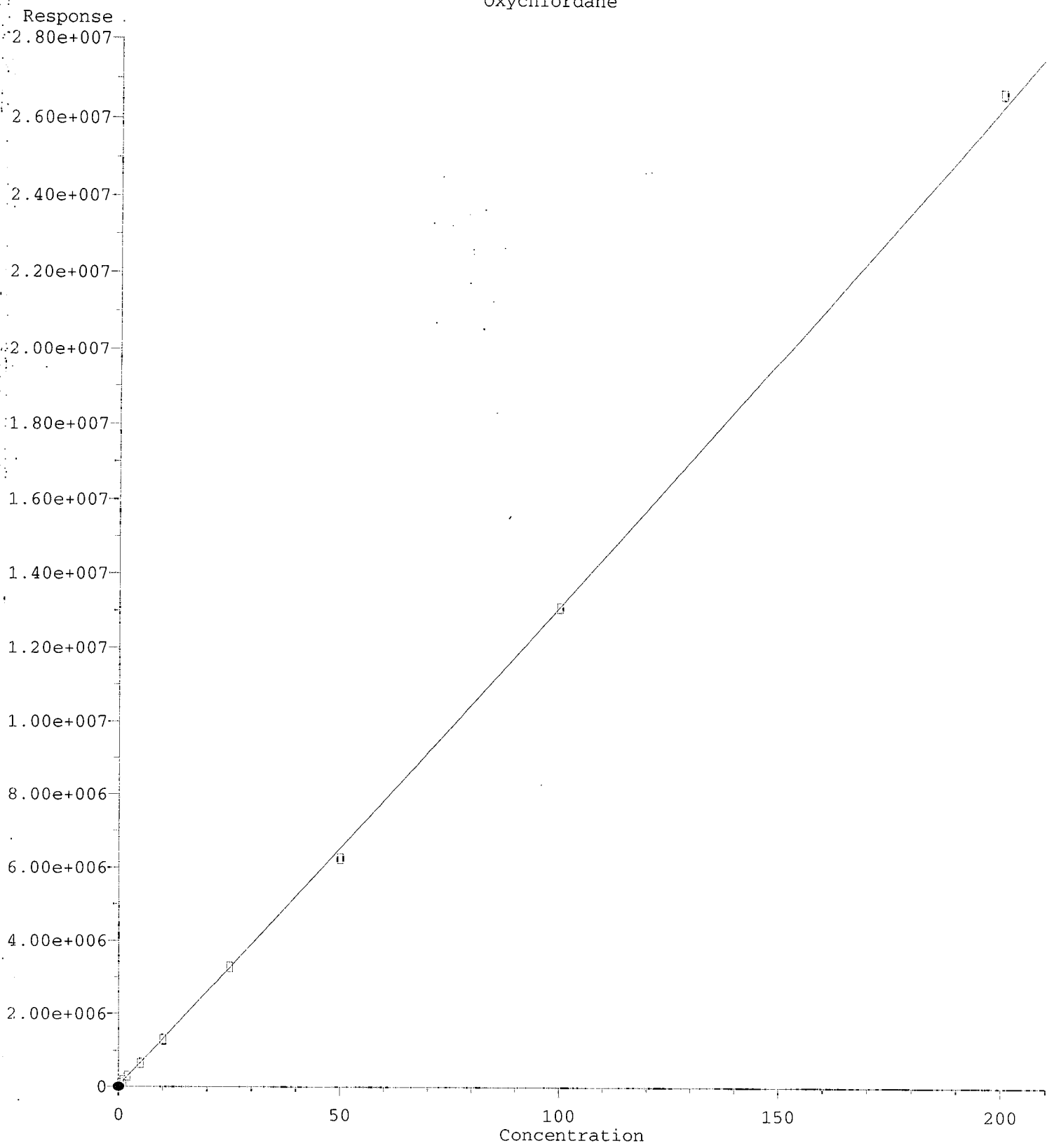
(24) Hexachlorobenzene #2

6.514min 2197.618 ng/mL m

response 1179

QRC

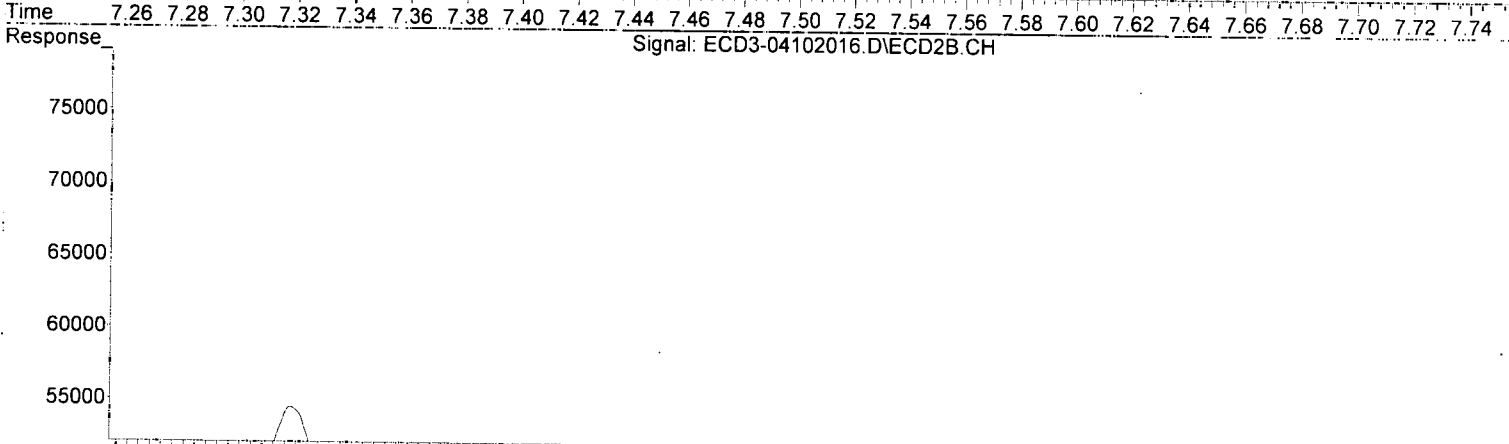
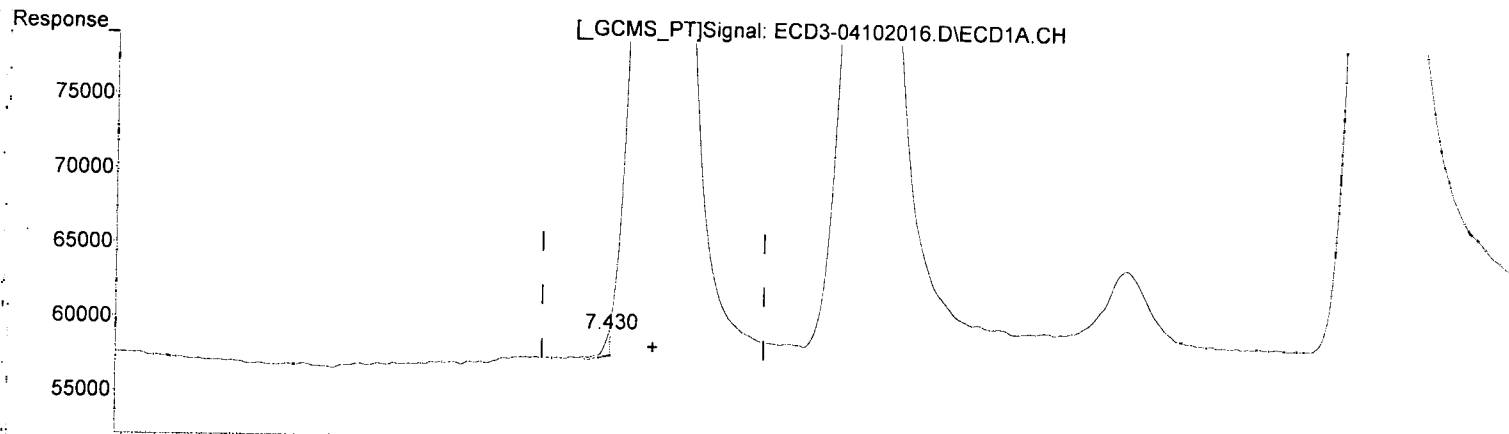
Oxychlorthane



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



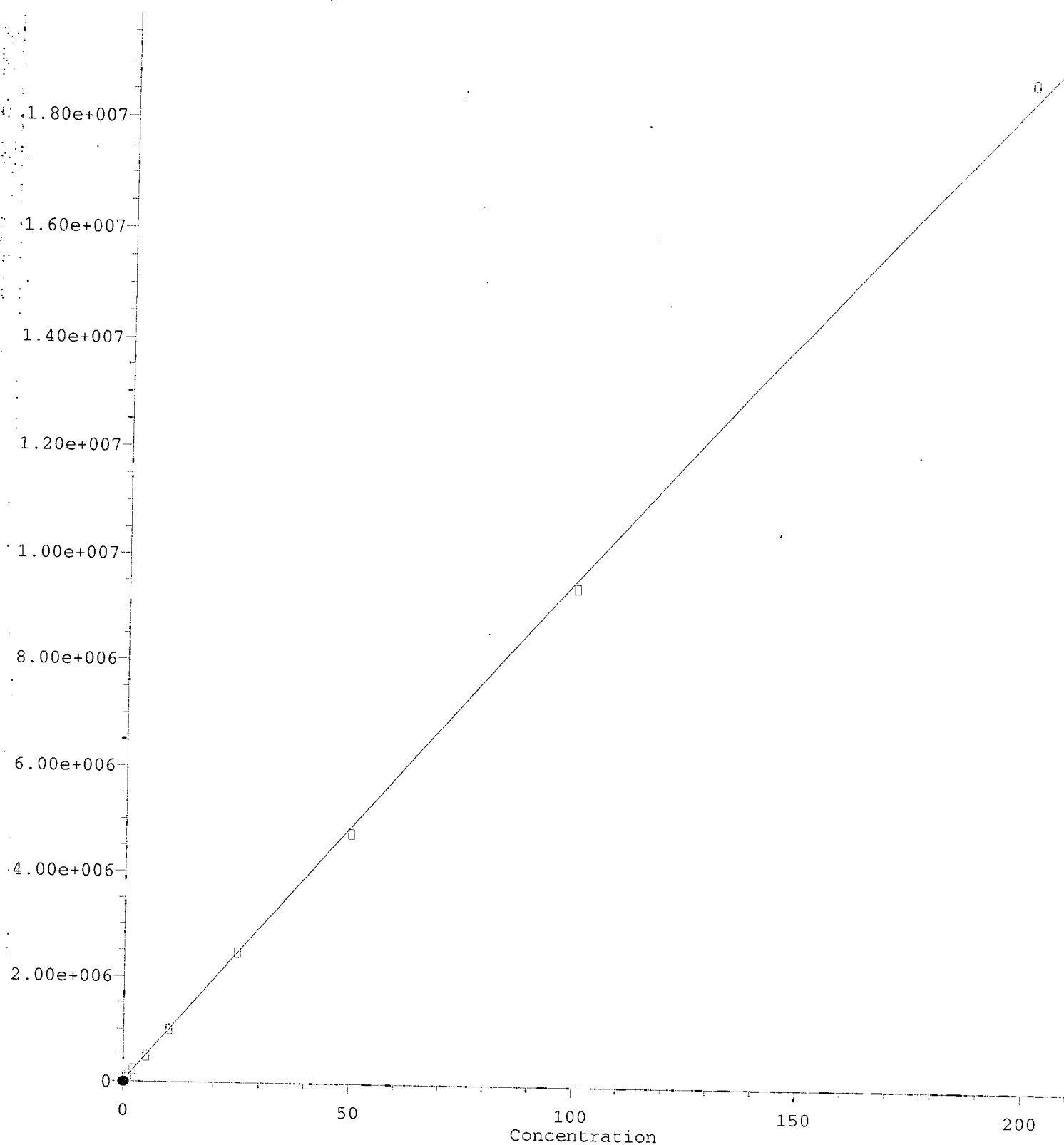
(25) Oxychlordane
7.430min -0.188 ng/mL(m)
response 1485

MJB
4/13/20

(25) Oxychlordane #2
8.010min 0.469 ng/mL
response 67961

Oxychlorthane #2

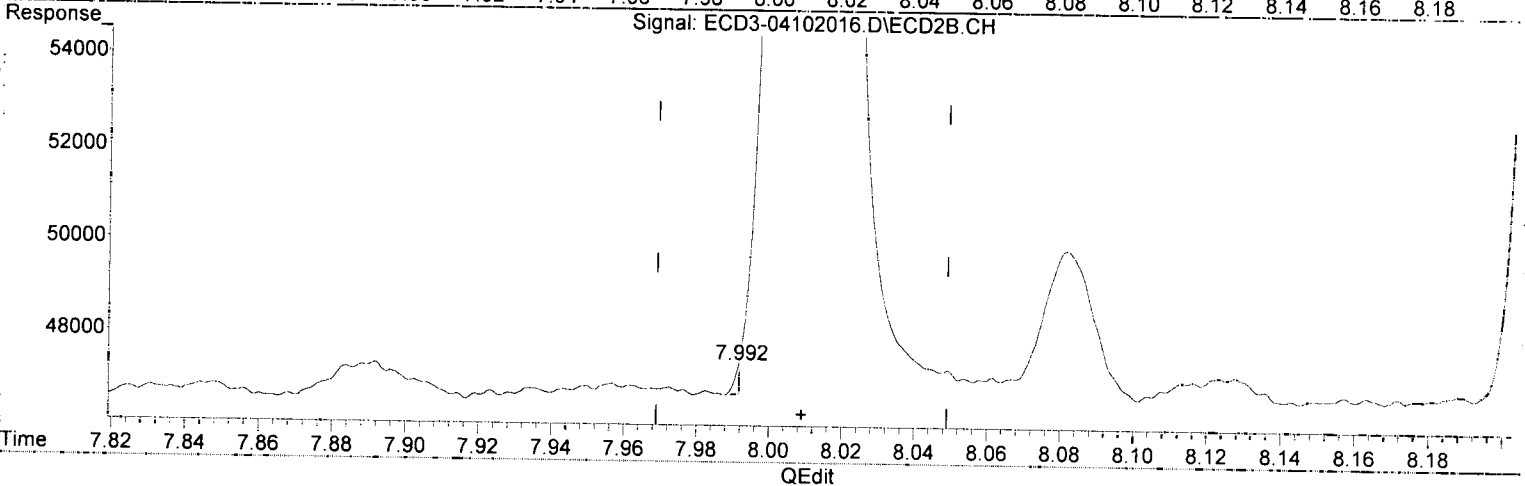
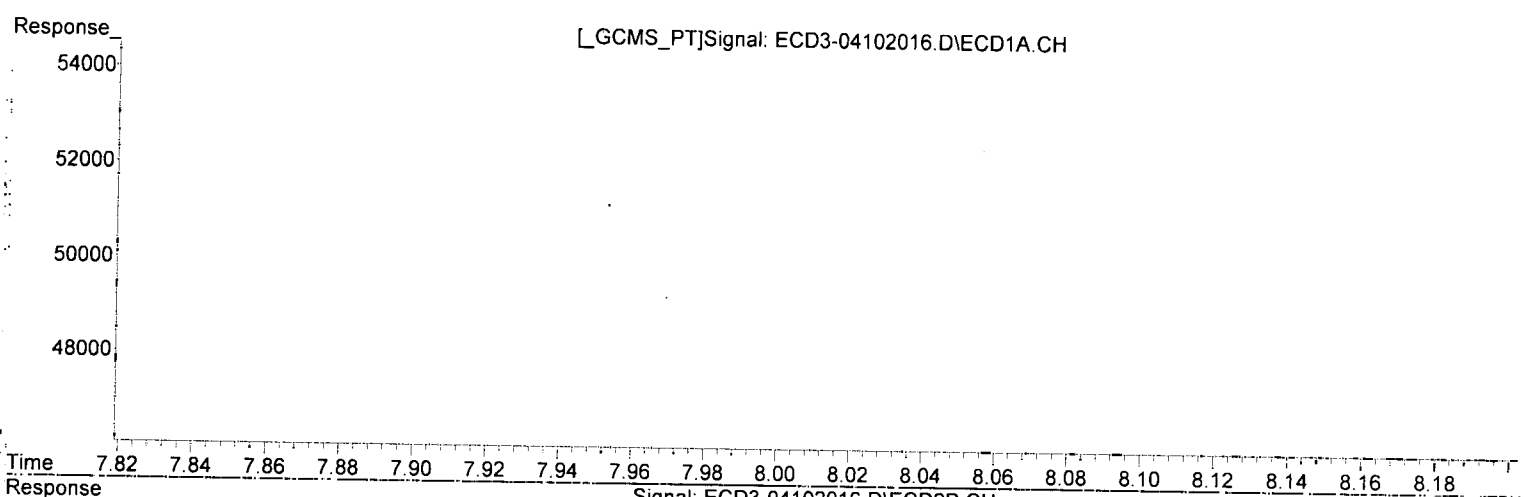
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

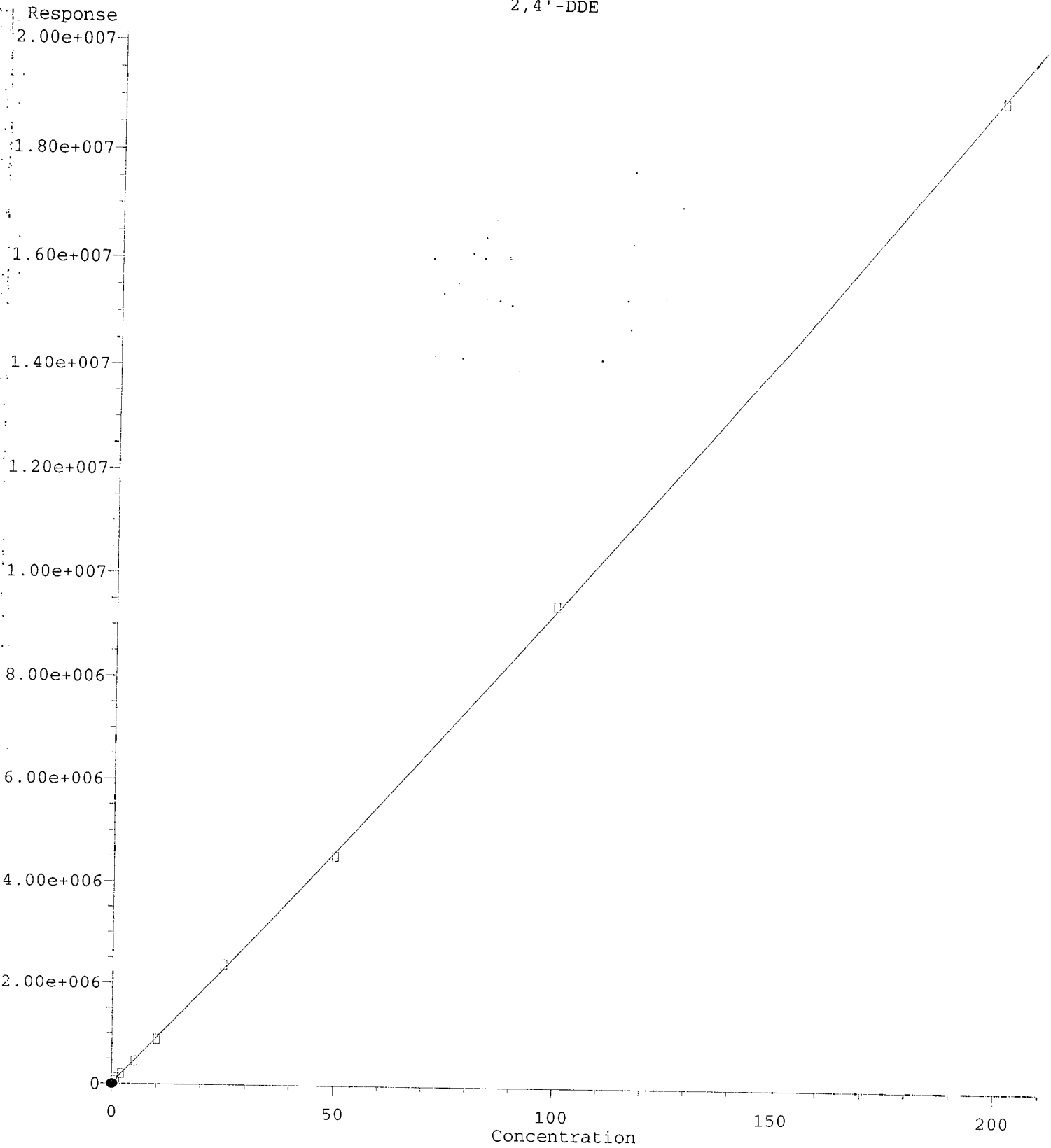


(25) Oxychlordane
7.430min -0.188 ng/mL m
response 1485

WJD
4/13/20

(25) Oxychlordane #2
7.992min 3277.731 ng/mL (m) *del*
response 640

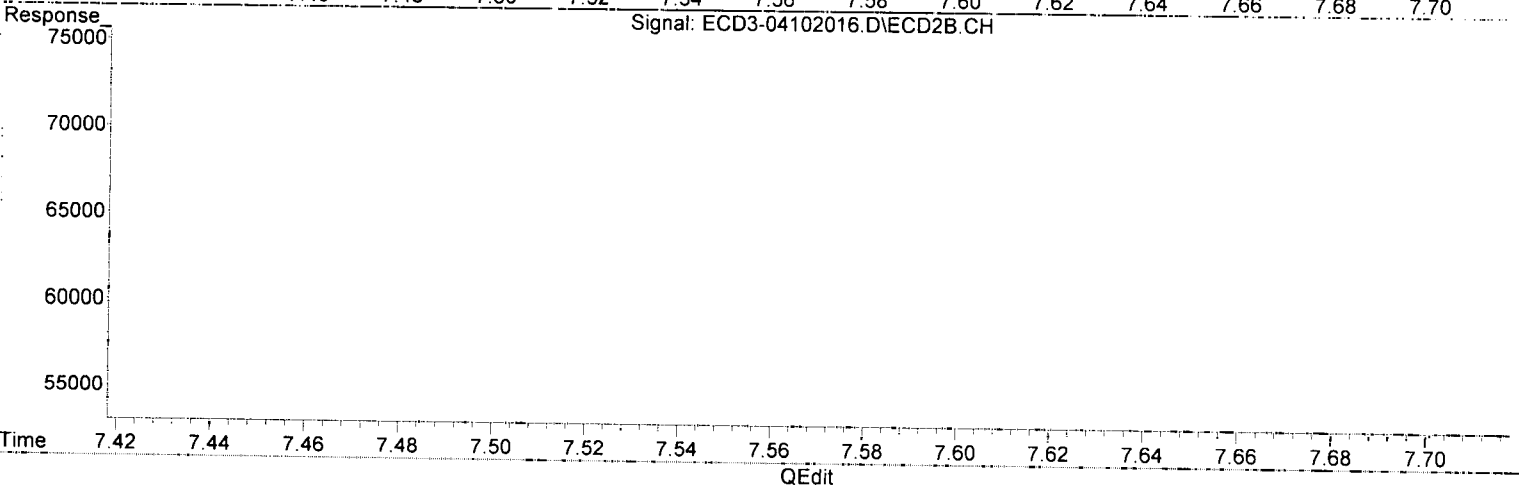
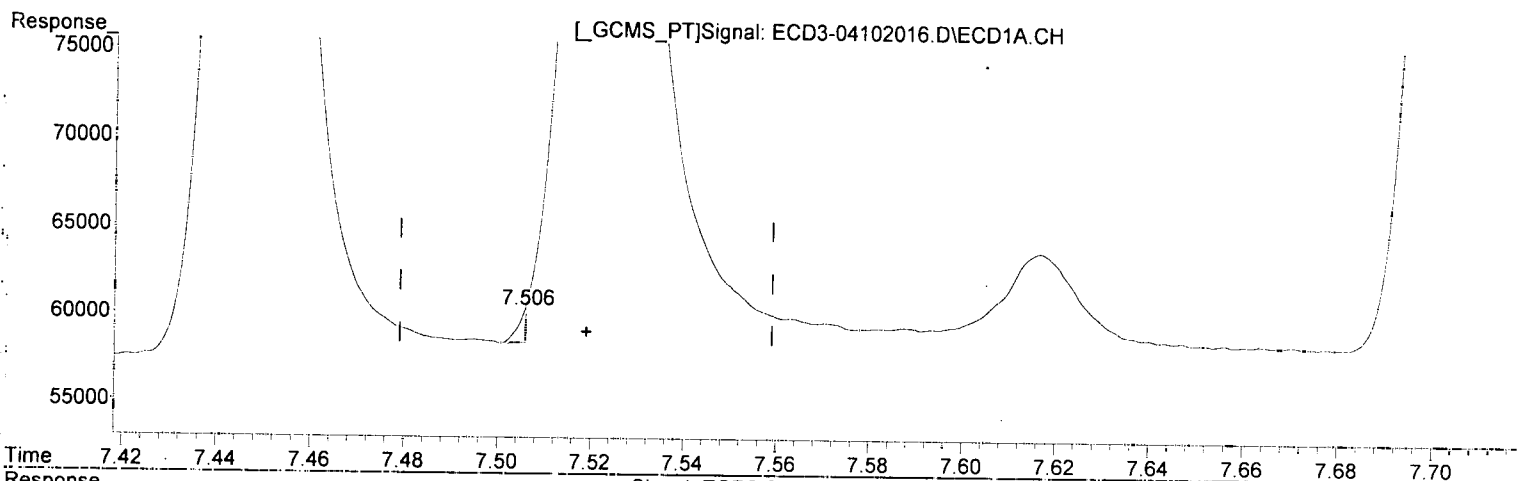
2,4'-DDE



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



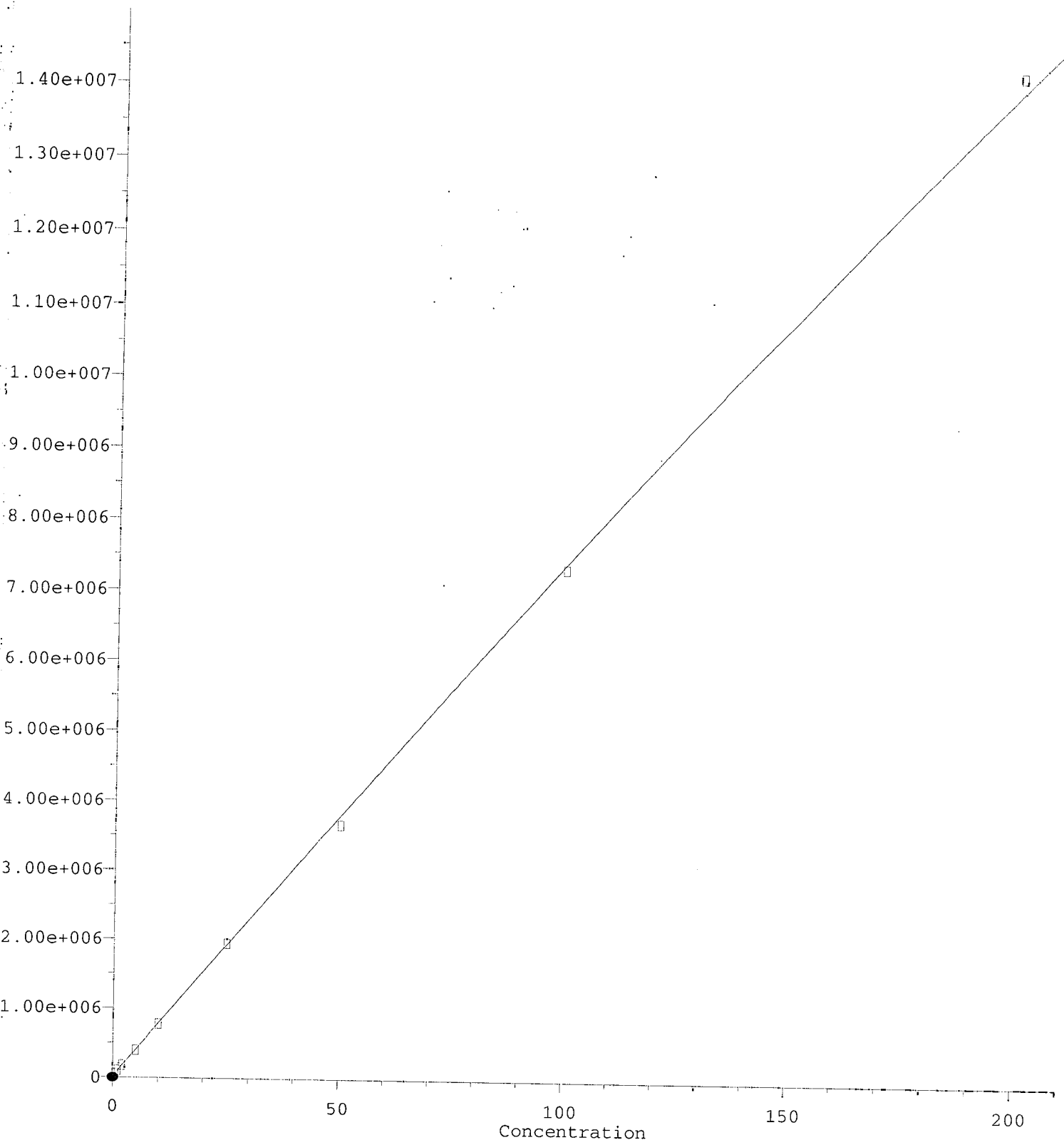
(26) 2,4'-DDE
7.506min -0.162 ng/mL (m)
response 1866

MJB
4/13/20

(26) 2,4'-DDE #2
8.216min 0.477 ng/mL
response 54754

2,4'-DDE #2

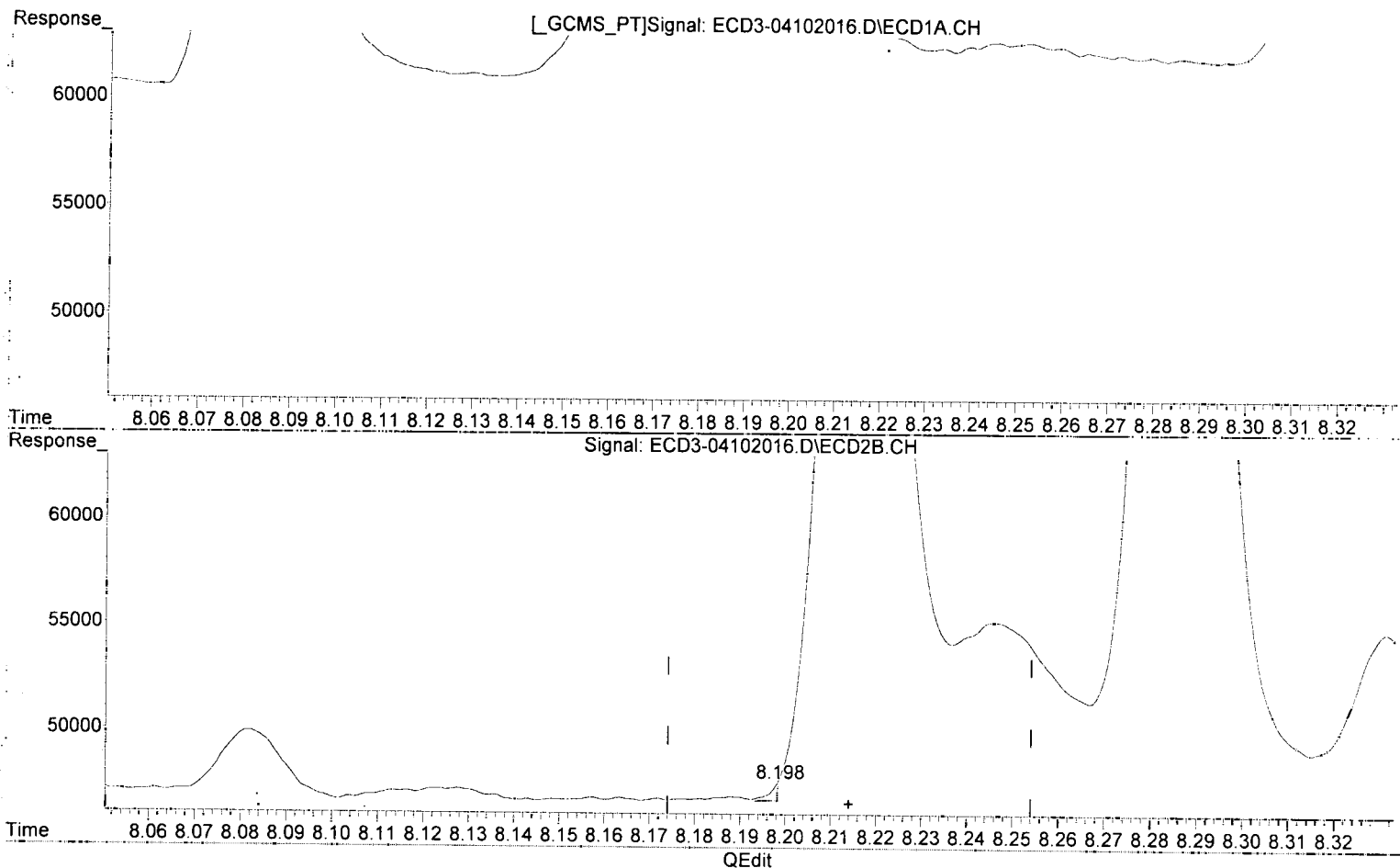
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 15:31
 Operator : MJB
 Sample : 0D10031-CALA
 Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



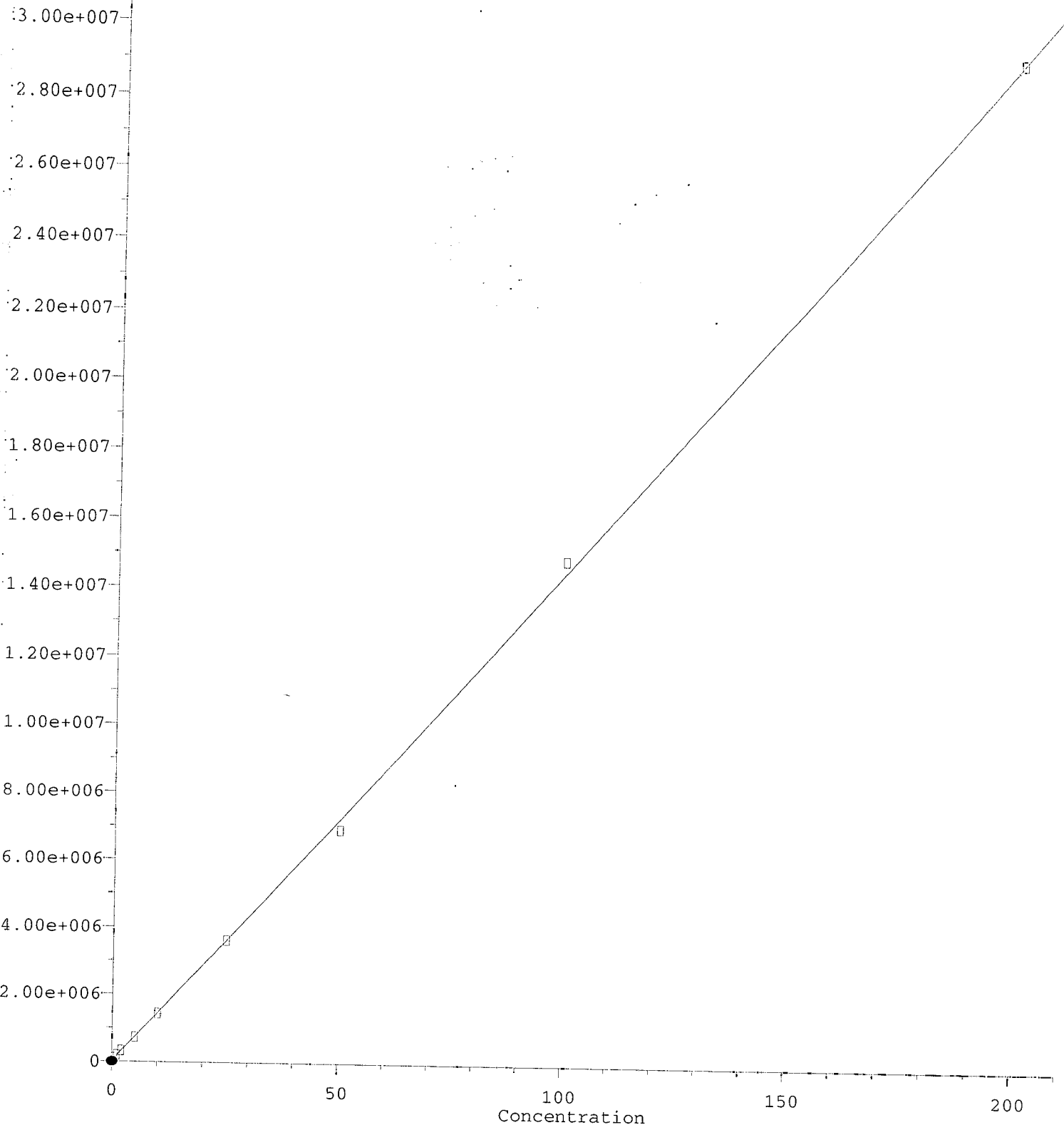
(26) 2,4'-DDE
 7.506min -0.162 ng/mL m
 response 1866

MJB
4/13/20

(26) 2,4'-DDE #2
 8.198min 2144.972 ng/mL (m) *Qedit*
 response 858

trans-Nonachlor

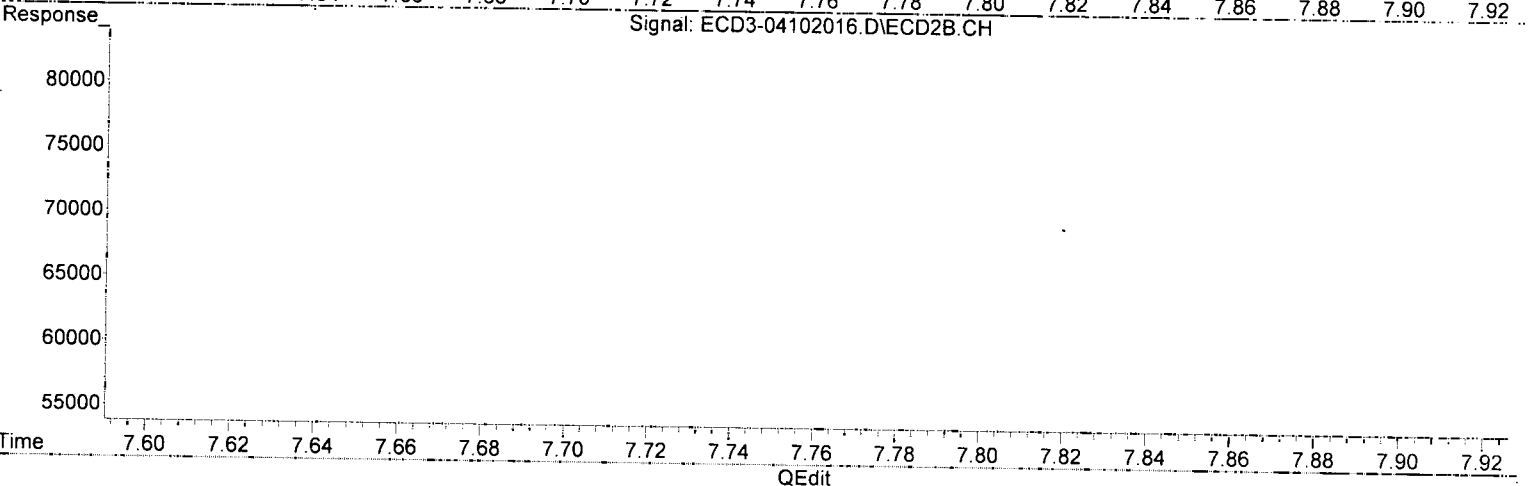
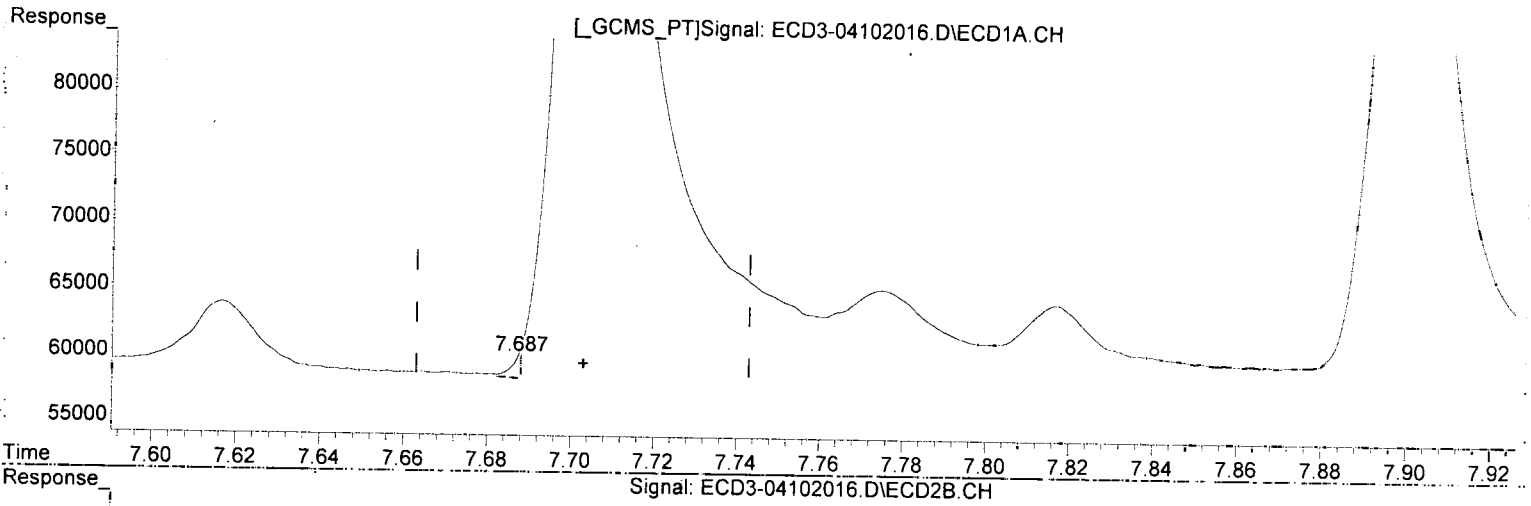
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

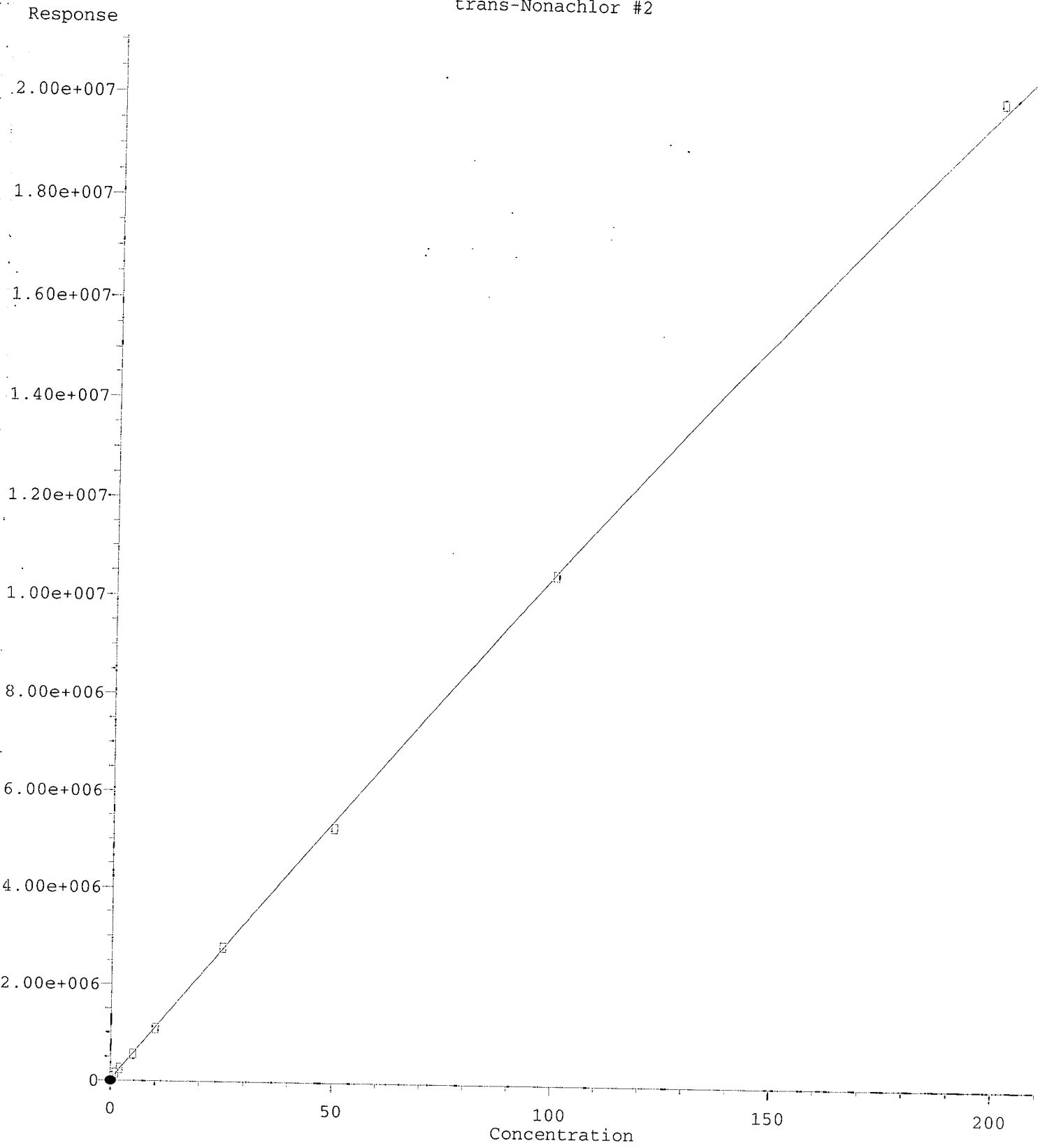


(27) trans-Nonachlor
7.687min -0.197 ng/mL(m)
response 1724

MJB
4/13/20

(27) trans-Nonachlor #2
8.287min 0.474 ng/mL
response 76561

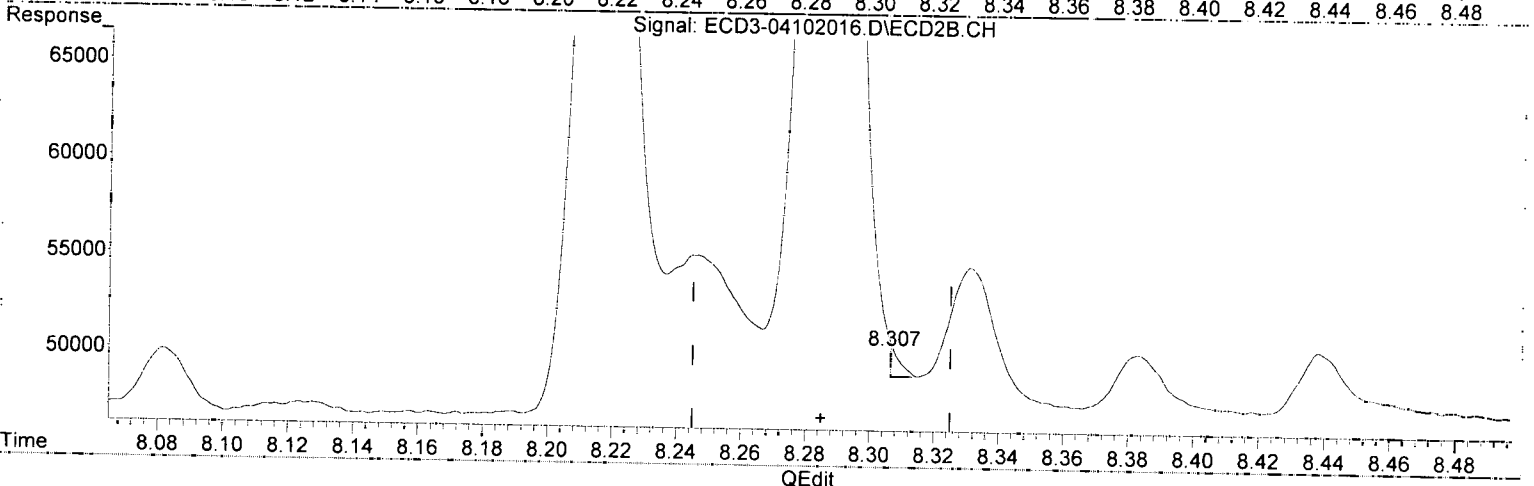
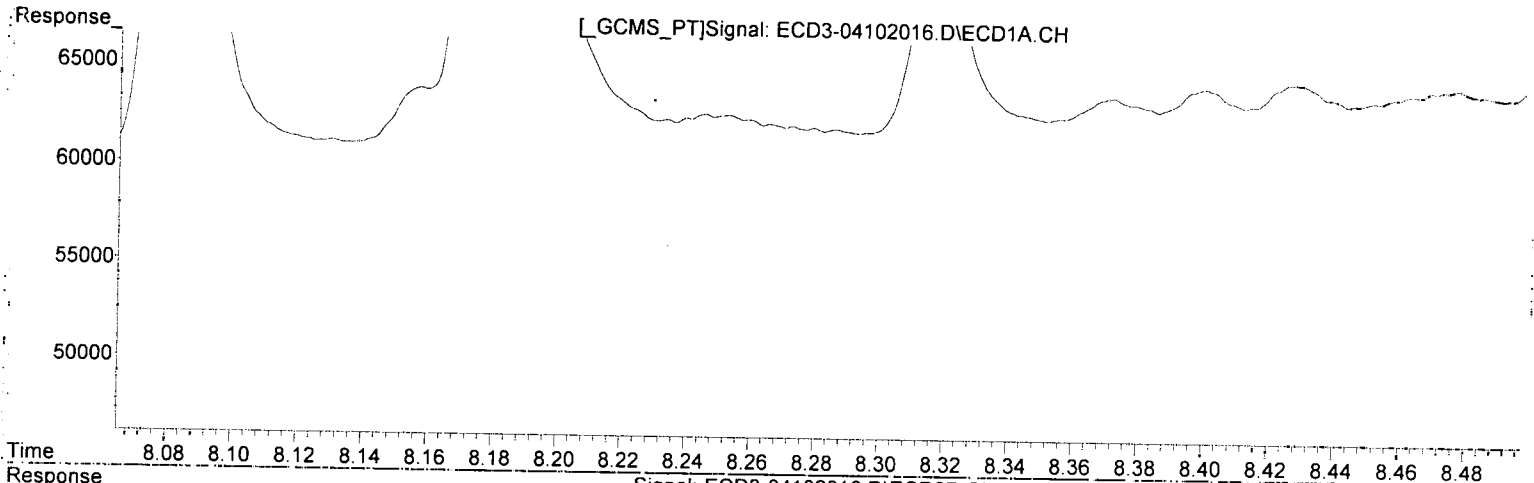
trans-Nonachlor #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



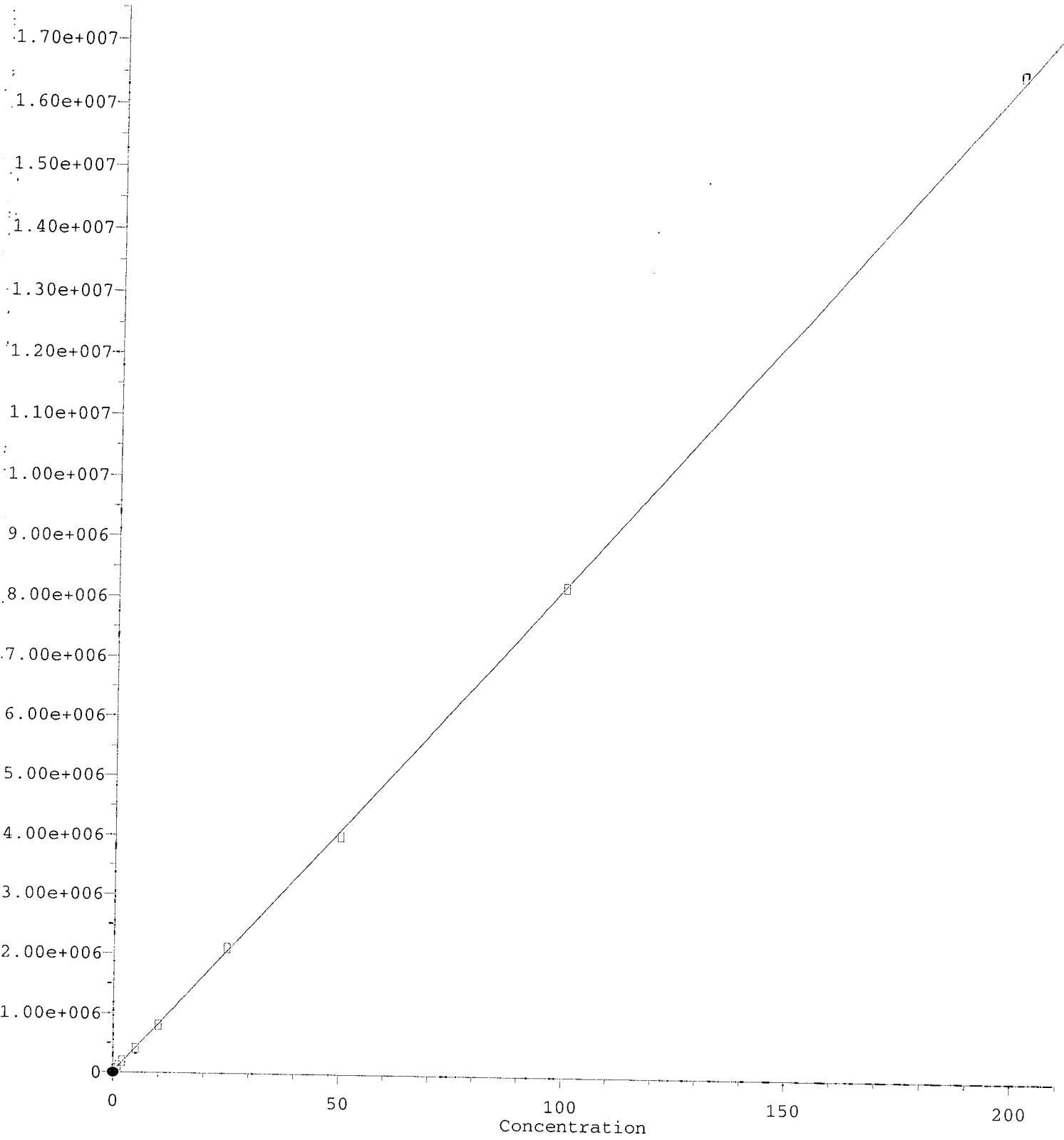
(27) trans-Nonachlor
7.687min -0.197 ng/mL m
response 1724

MJB
4/13/20

(27) trans-Nonachlor #2
8.307min 1953.548 ng/mL m *Qedit*
response 1736

2,4'-DDD

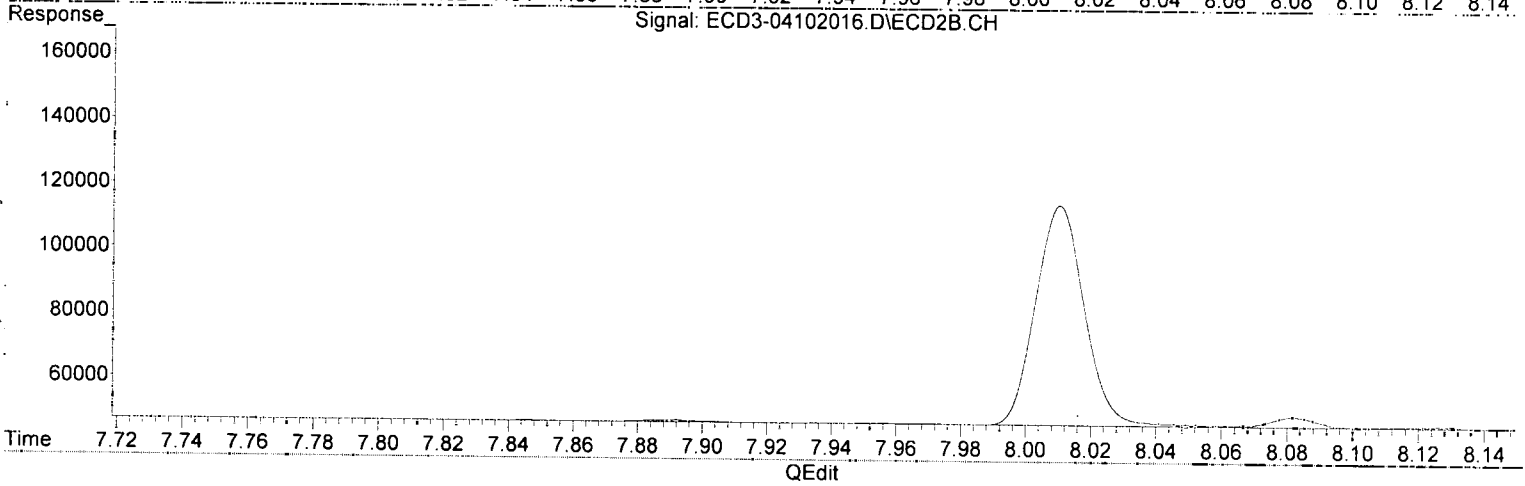
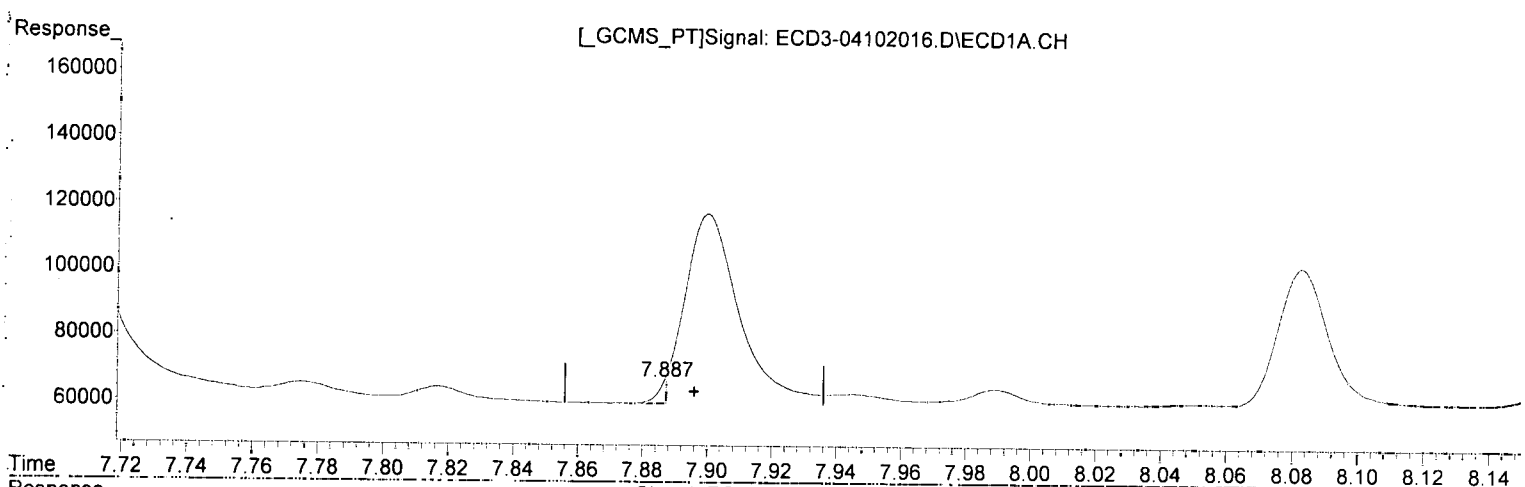
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : OD10031-CALA
Misc : A20D135, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

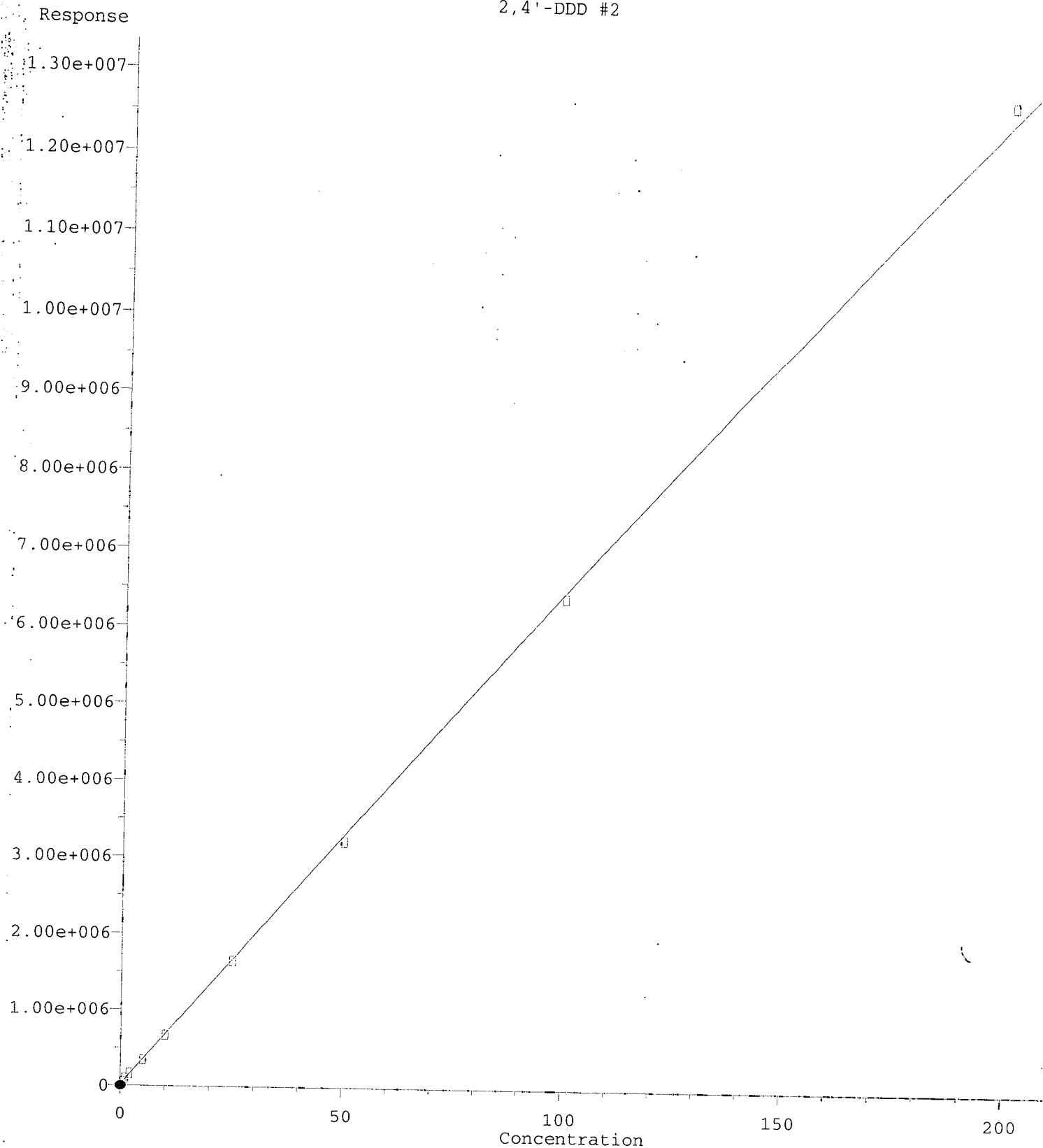
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.887min -0.136 ng/mL(m)
response 6674

MJB
4/13/20

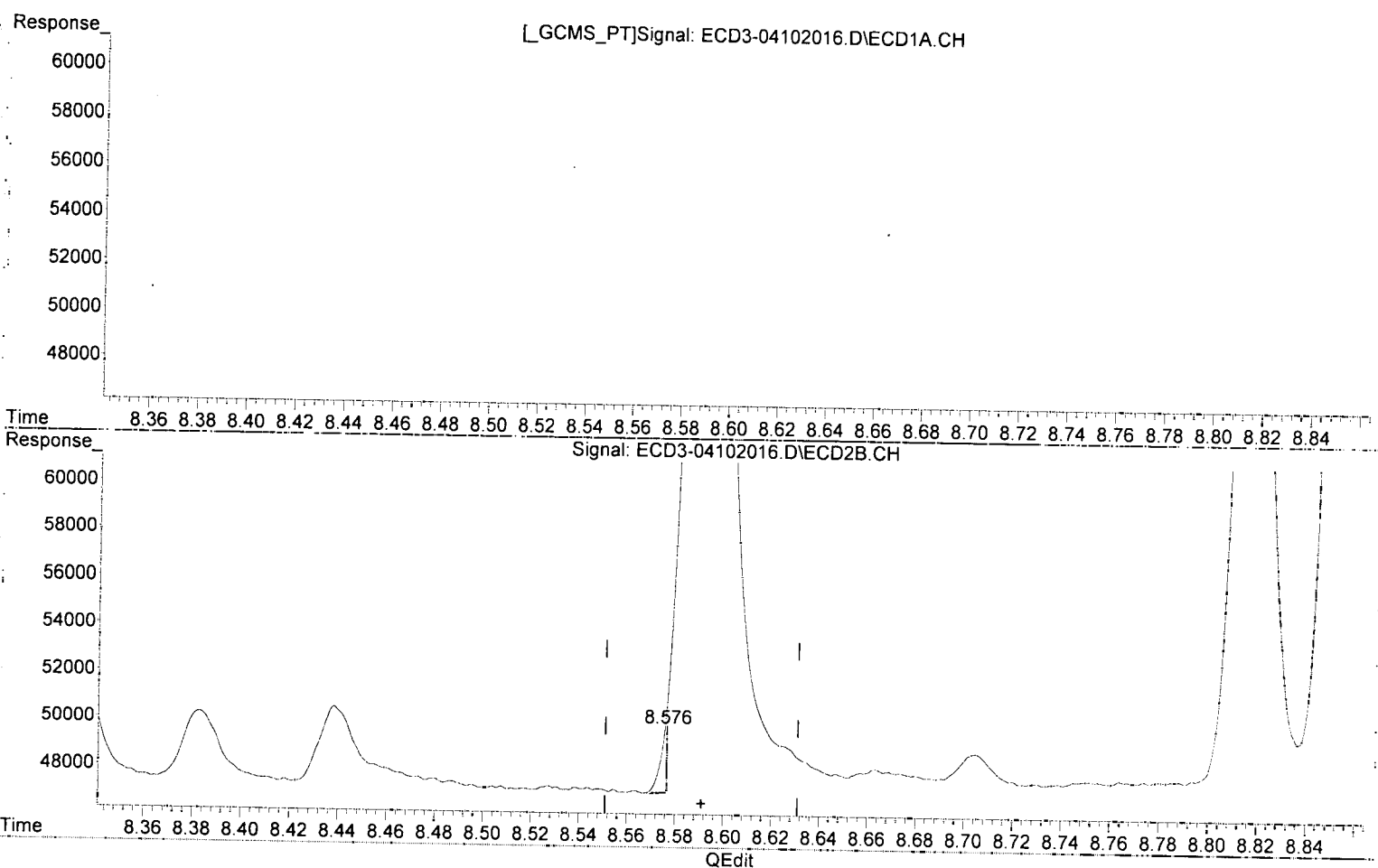
(28) 2,4'-DDD #2
8.592min 0.469 ng/mL
response 50583



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



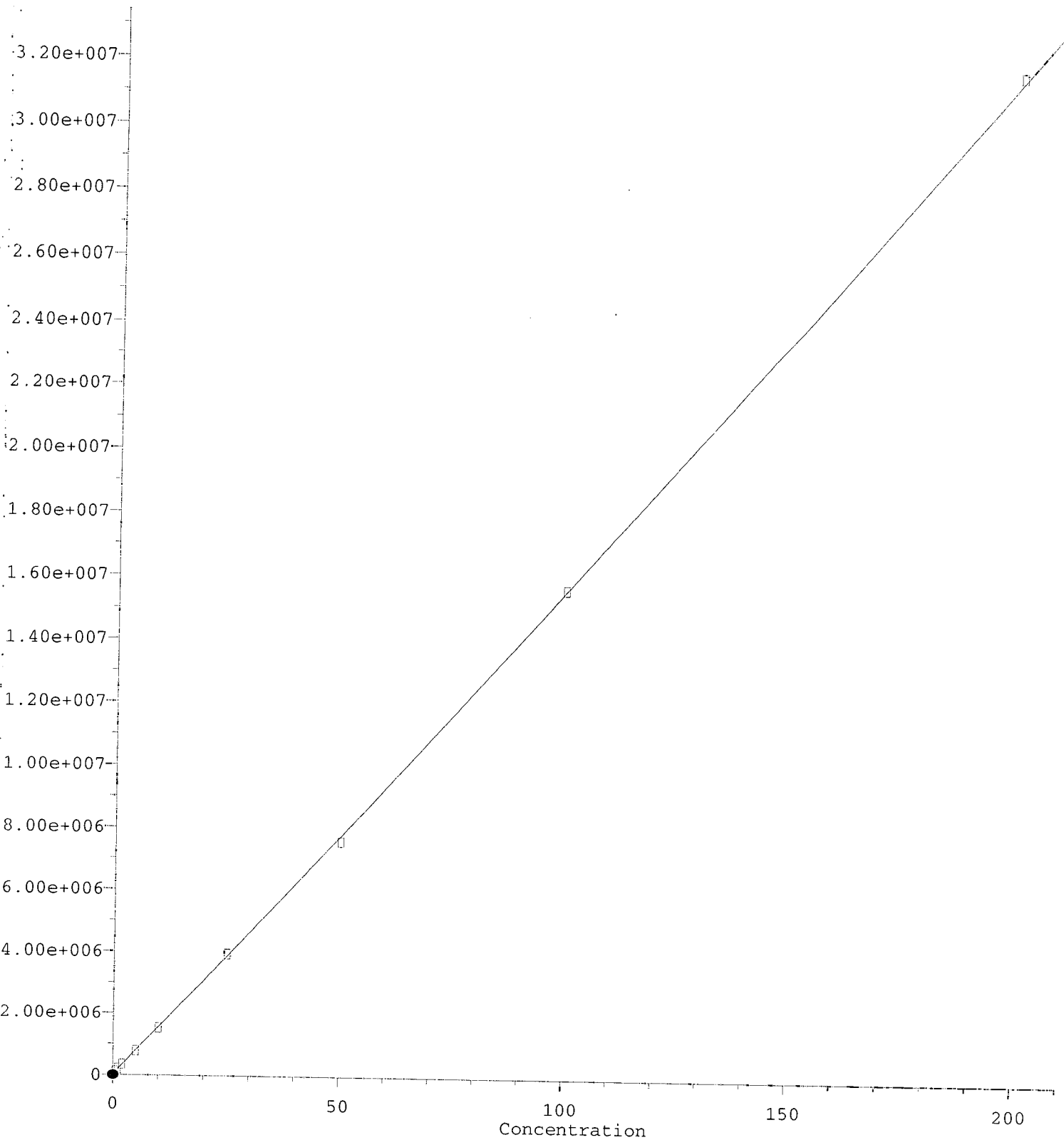
(28) 2,4'-DDD
7.887min -0.136 ng/mL m
response 6674

MJB
4/13/20

(28) 2,4'-DDD #2
8.576min 3167.846 ng/mL(m) Q
response 2727

cis-Nonachlor

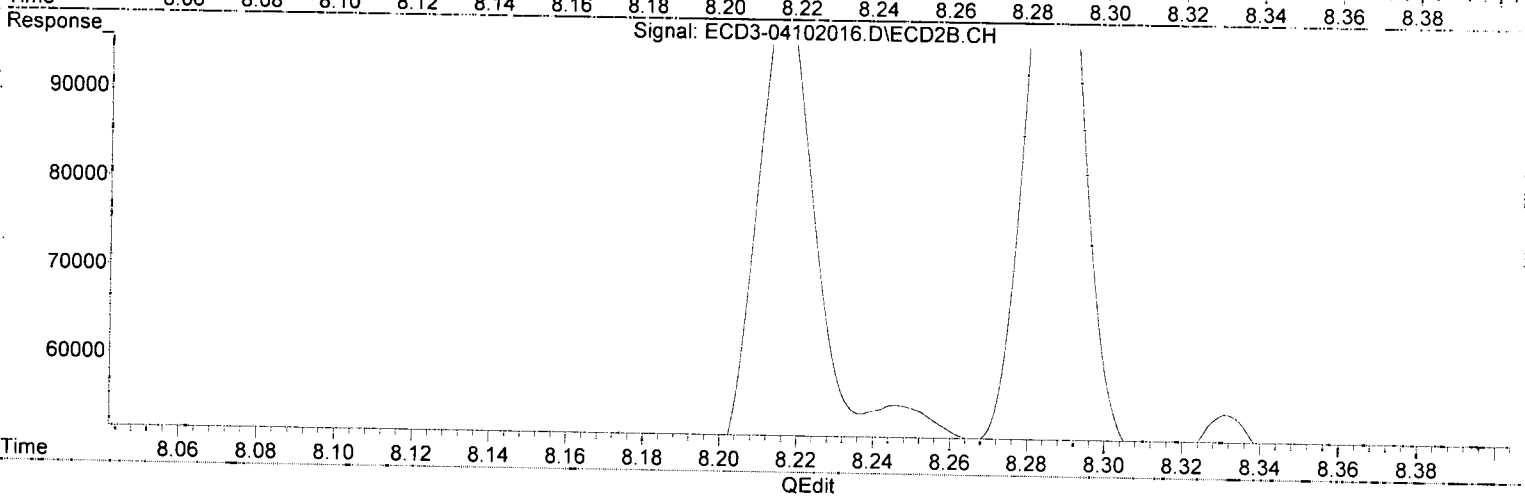
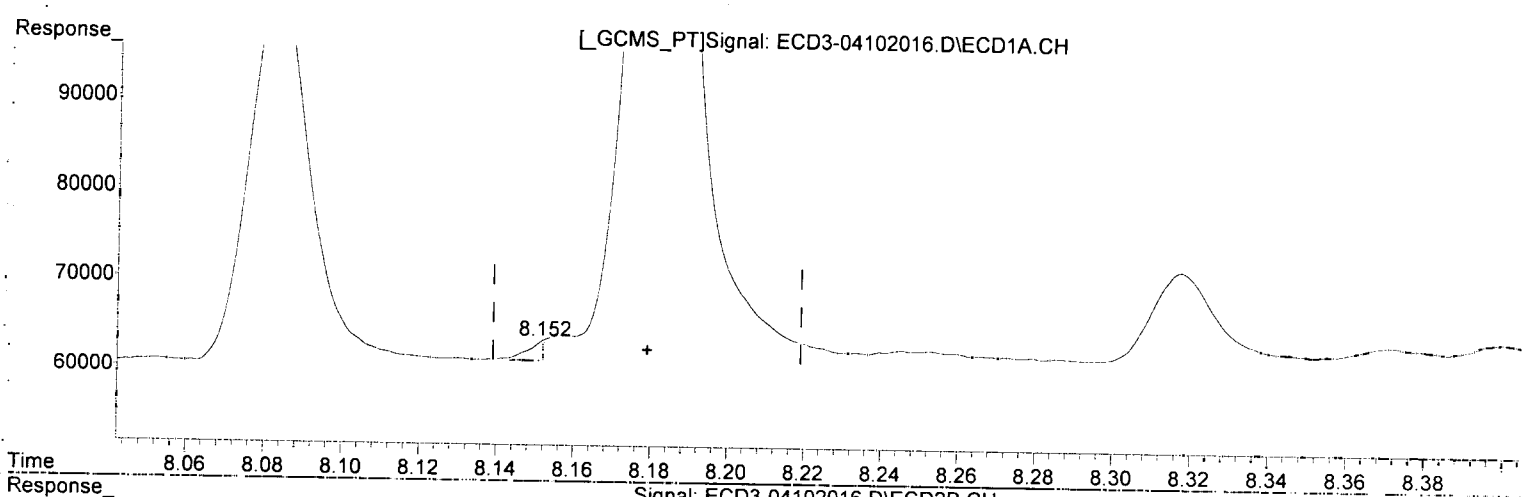
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : OD10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



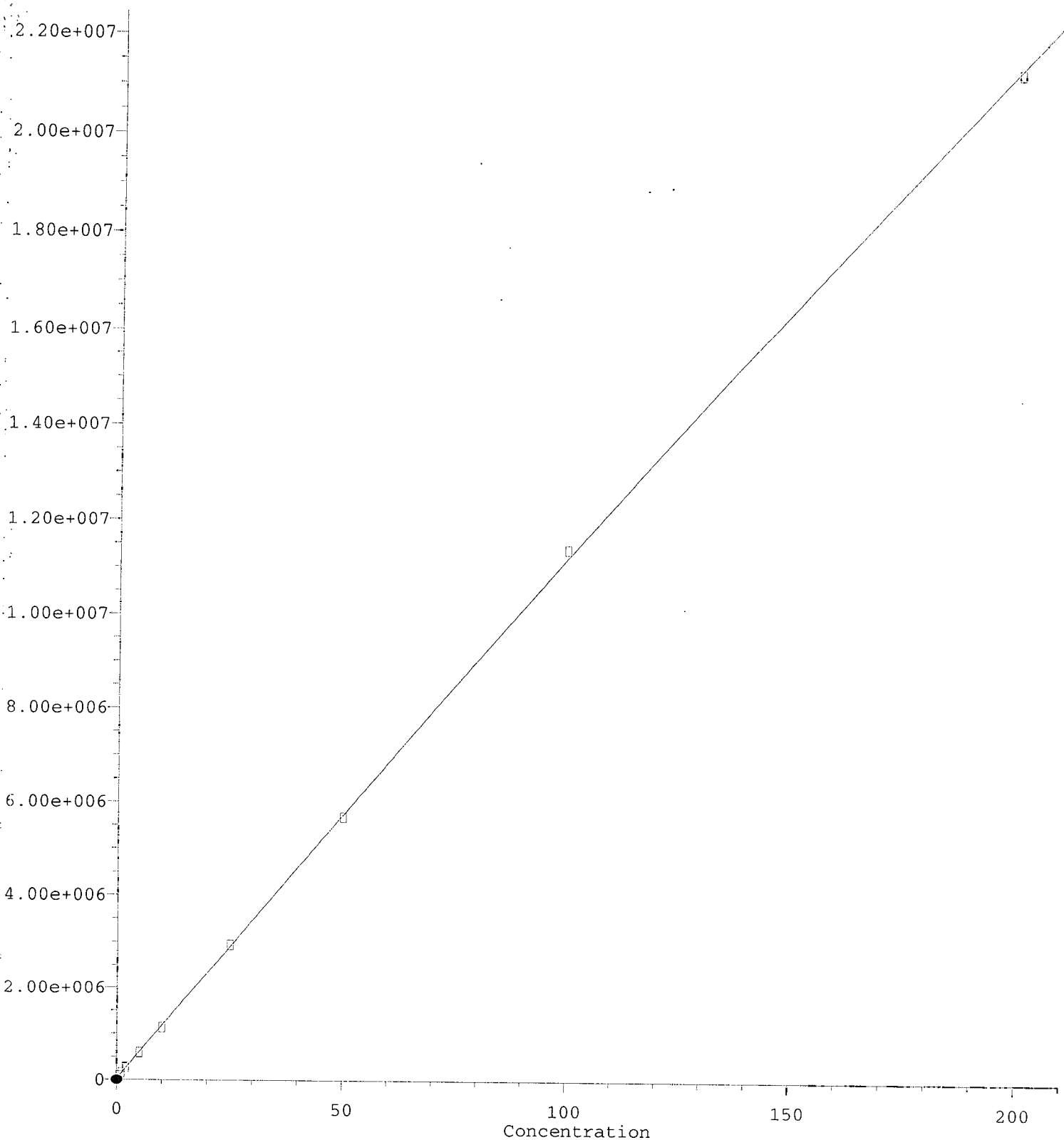
(30) cis-Nonachlor
8.152min -0.197 ng/mL(m)
response 2263

MJB
4/13/20

(30) cis-Nonachlor #2
8.857min 0.480 ng/mL
response 83146

cis-Nonachlor #2

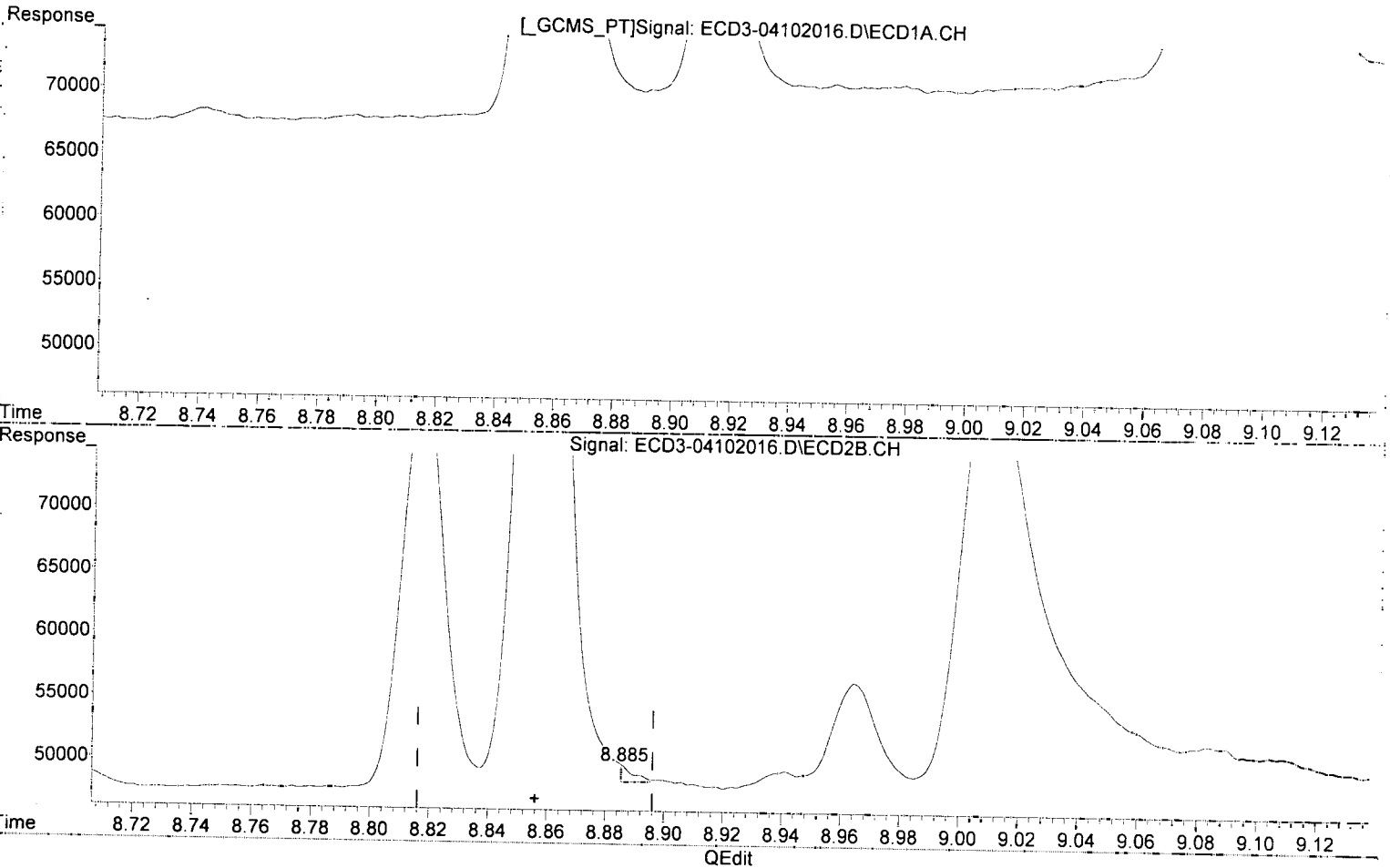
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : OD10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



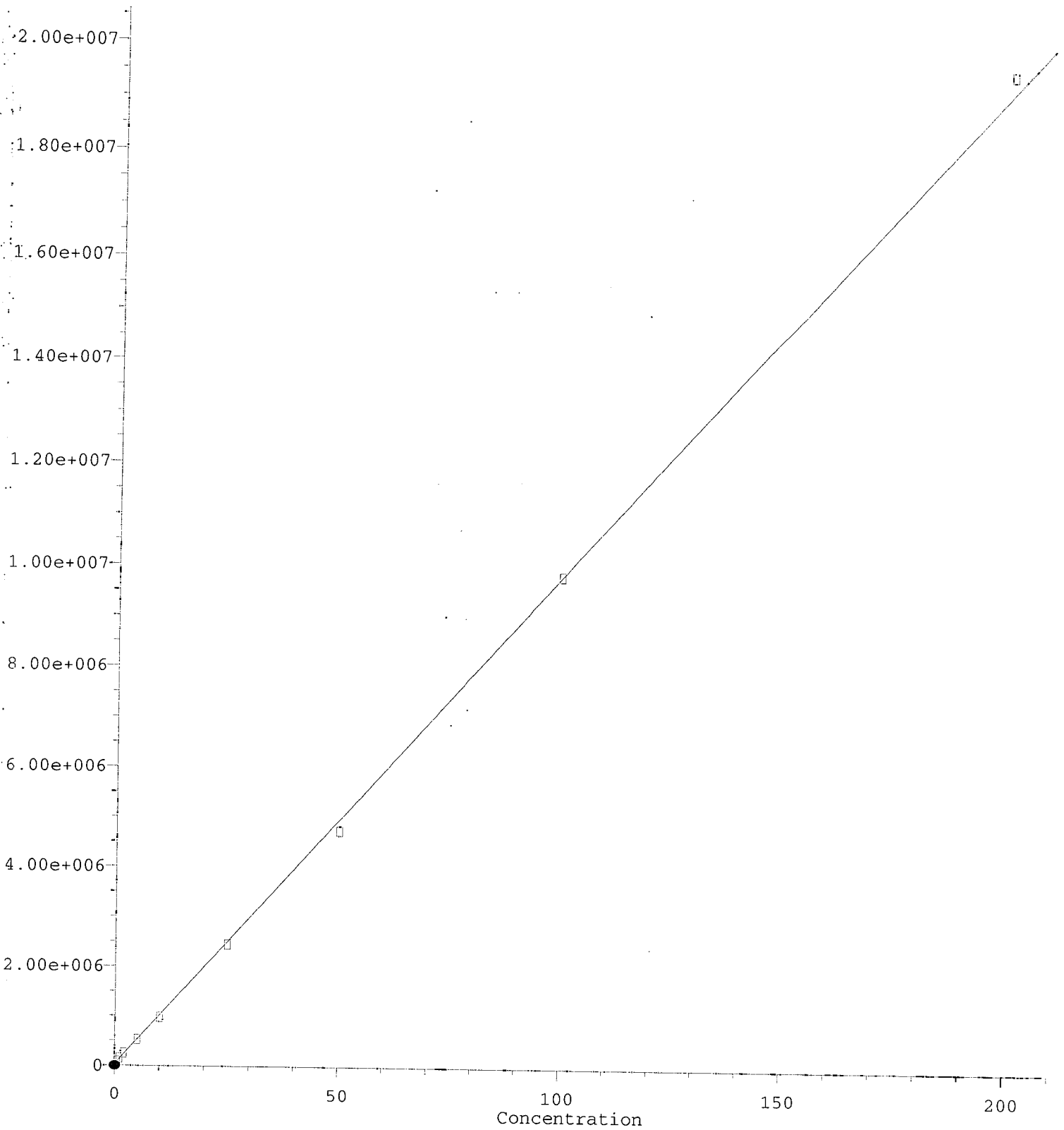
(30) cis-Nonachlor
8.152min -0.197 ng/mL m
response 2263

MJB
4/13/20

(30) cis-Nonachlor #2
8.885min 2549.548 ng/mL m *Q201*
response 1368

Mirex

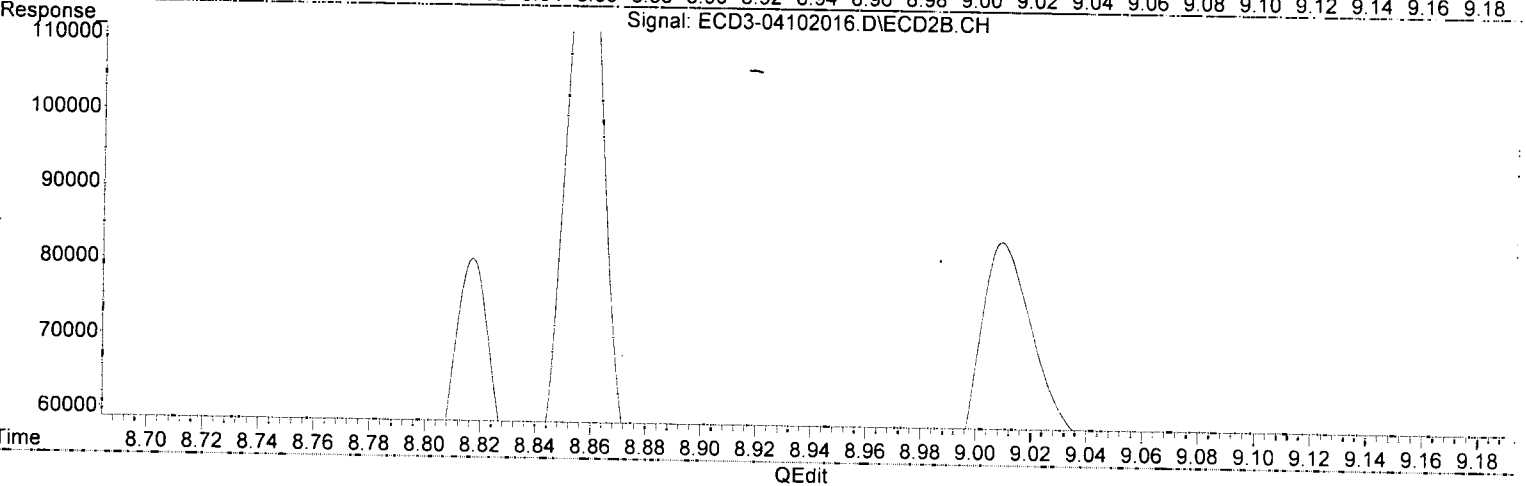
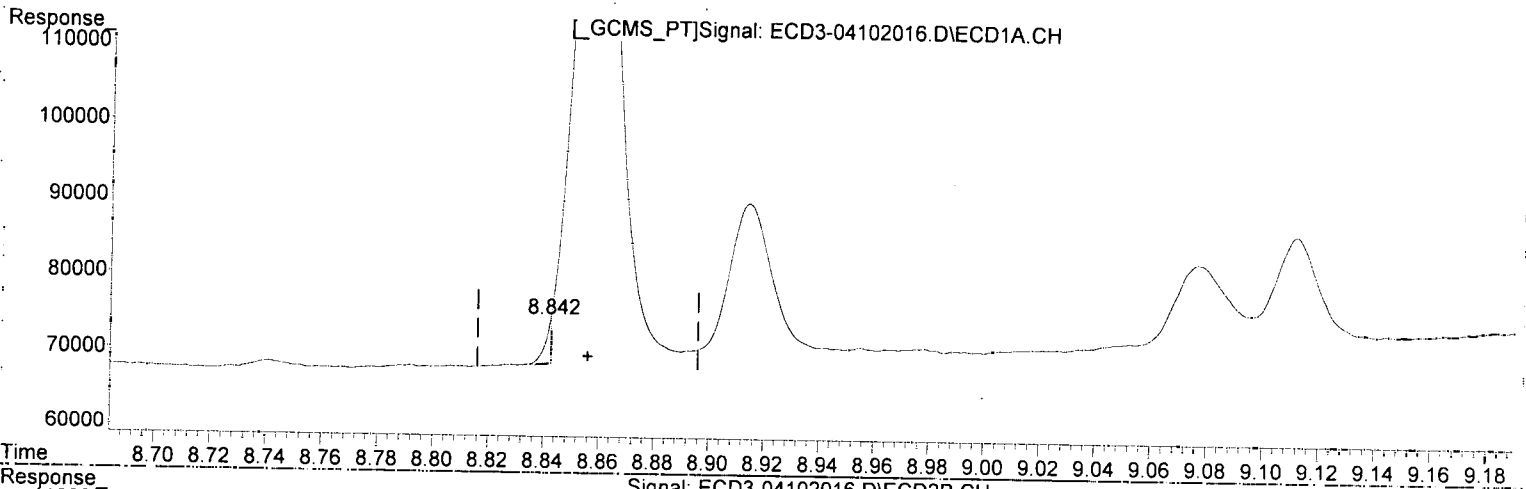
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex

8.842min 7125.825 ng/mL (m) Q-DEL
response 5871

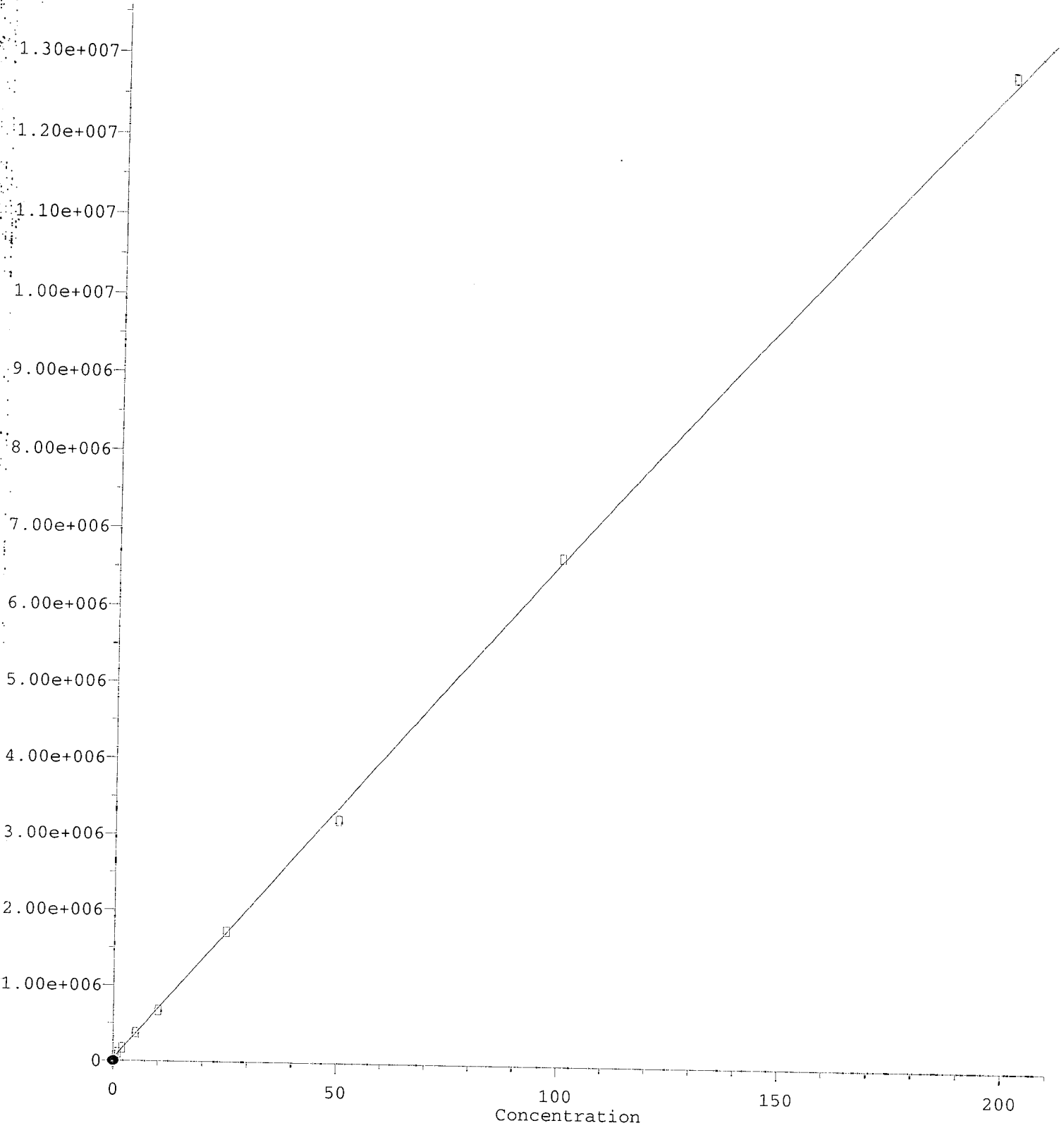
MJB
4/13/20

(31) Mirex #2

9.790min 0.478 ng/mL
response 60436

Mirex #2

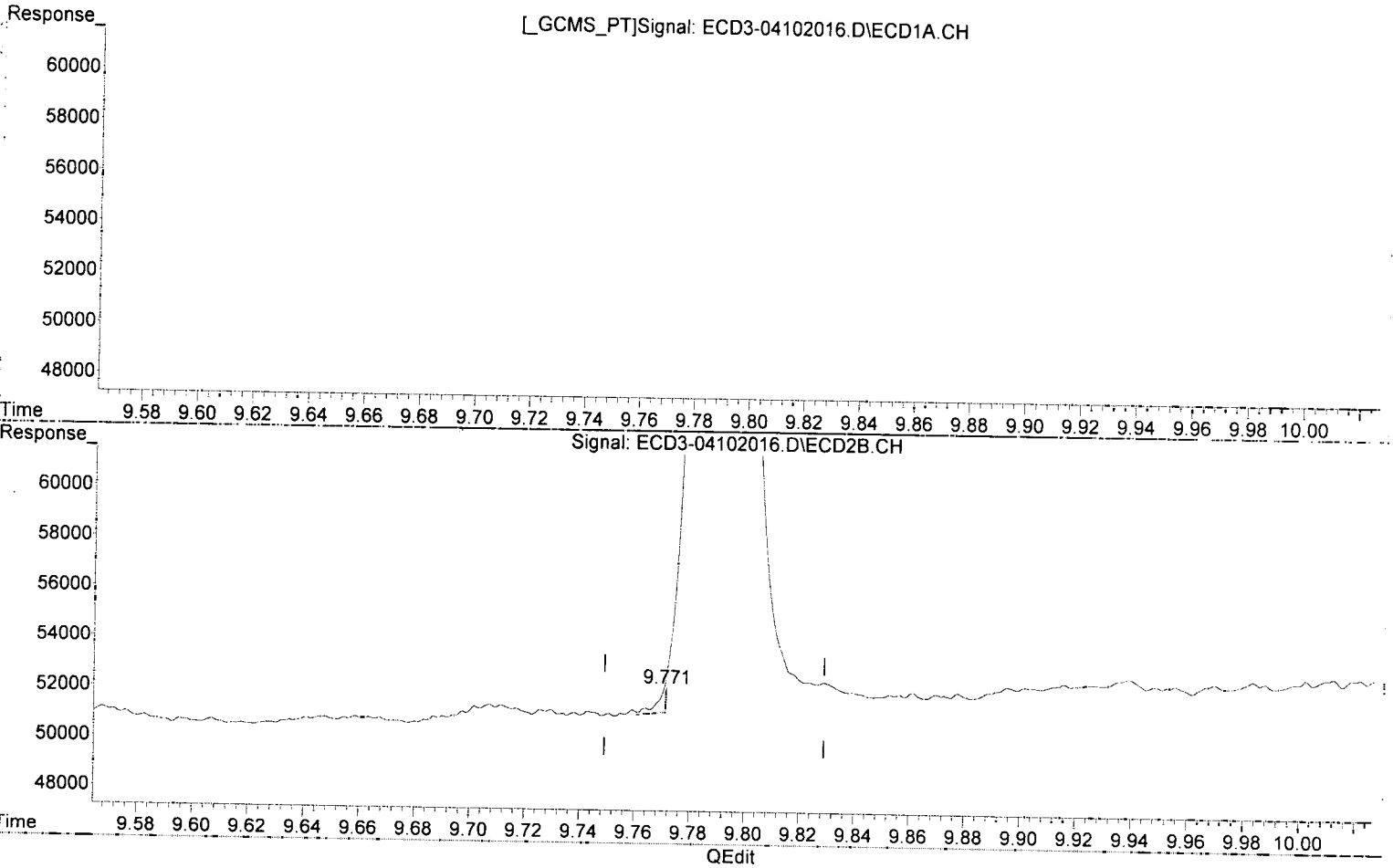
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

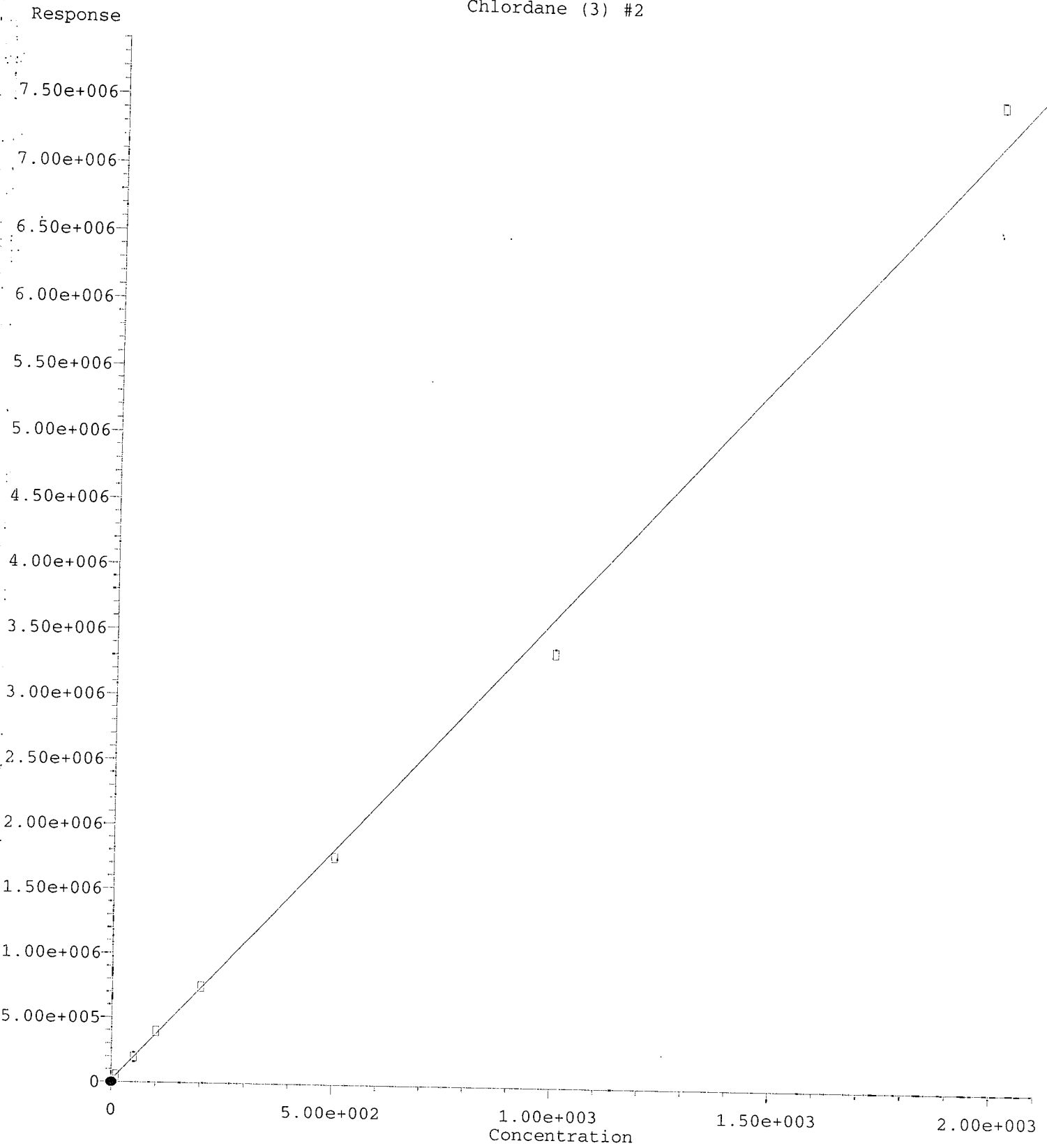


(31) Mirex
8.842min 7125.825 ng/mL m
response 5871

MJB
4/13/20

(31) Mirex #2
9.771min 3567.514 ng/mL m *Qedit*
response 970

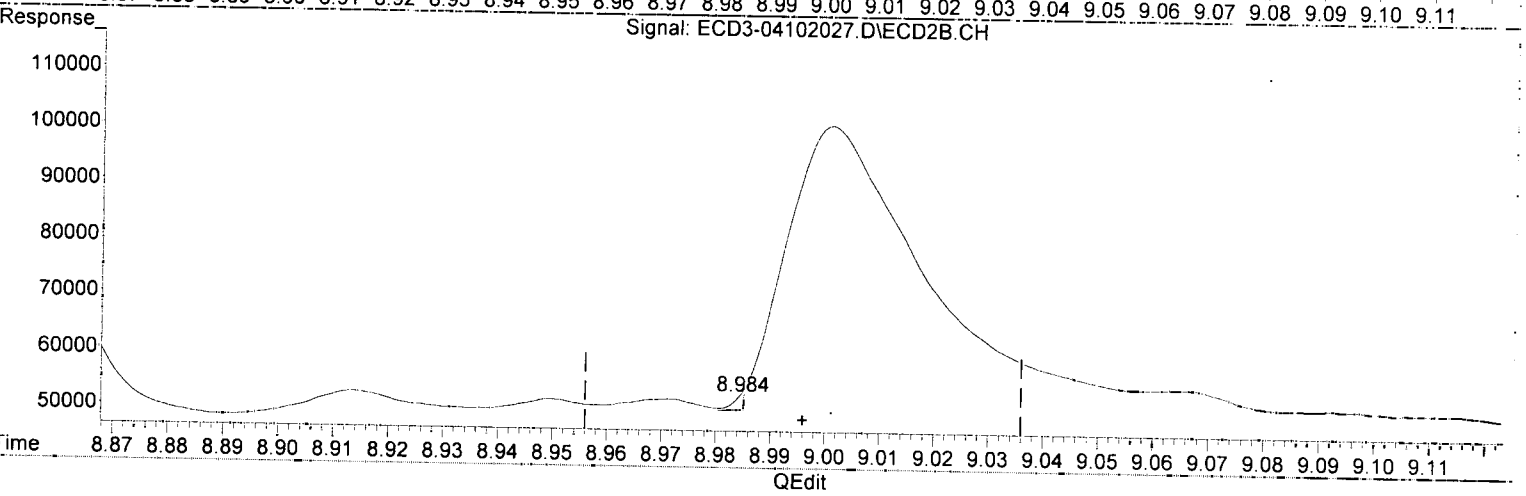
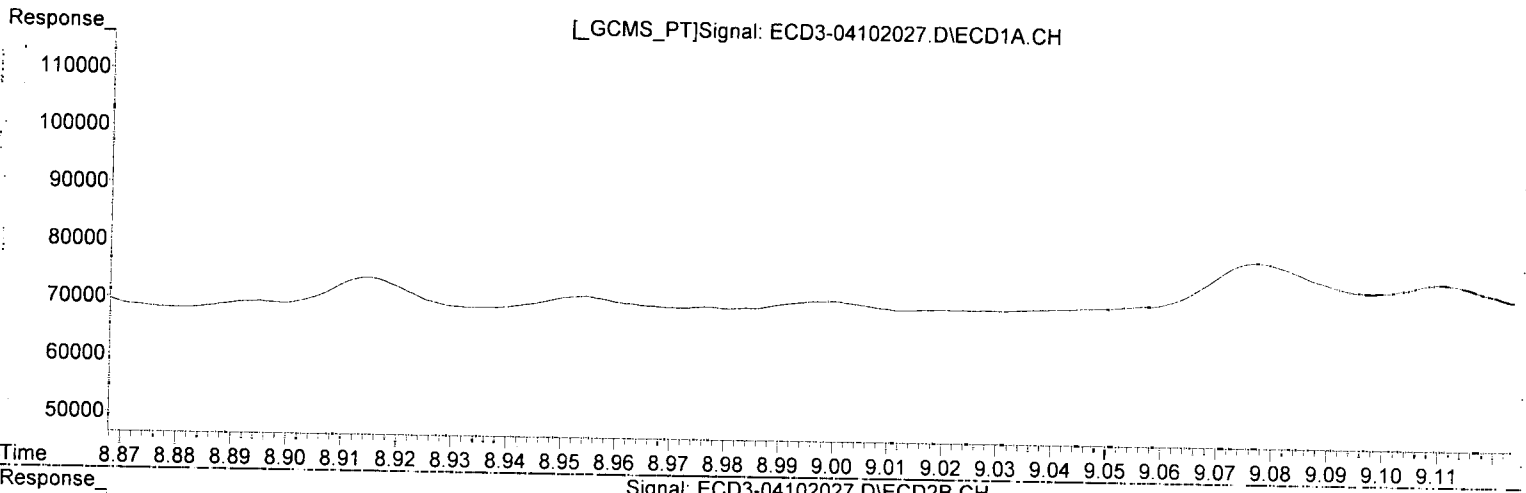
Chlordane (3) #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 18:40
Operator : MJB
Sample : 0D10031-CALJ
Misc : A20D136, CHLOR 10 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: Apr 13 12:45:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

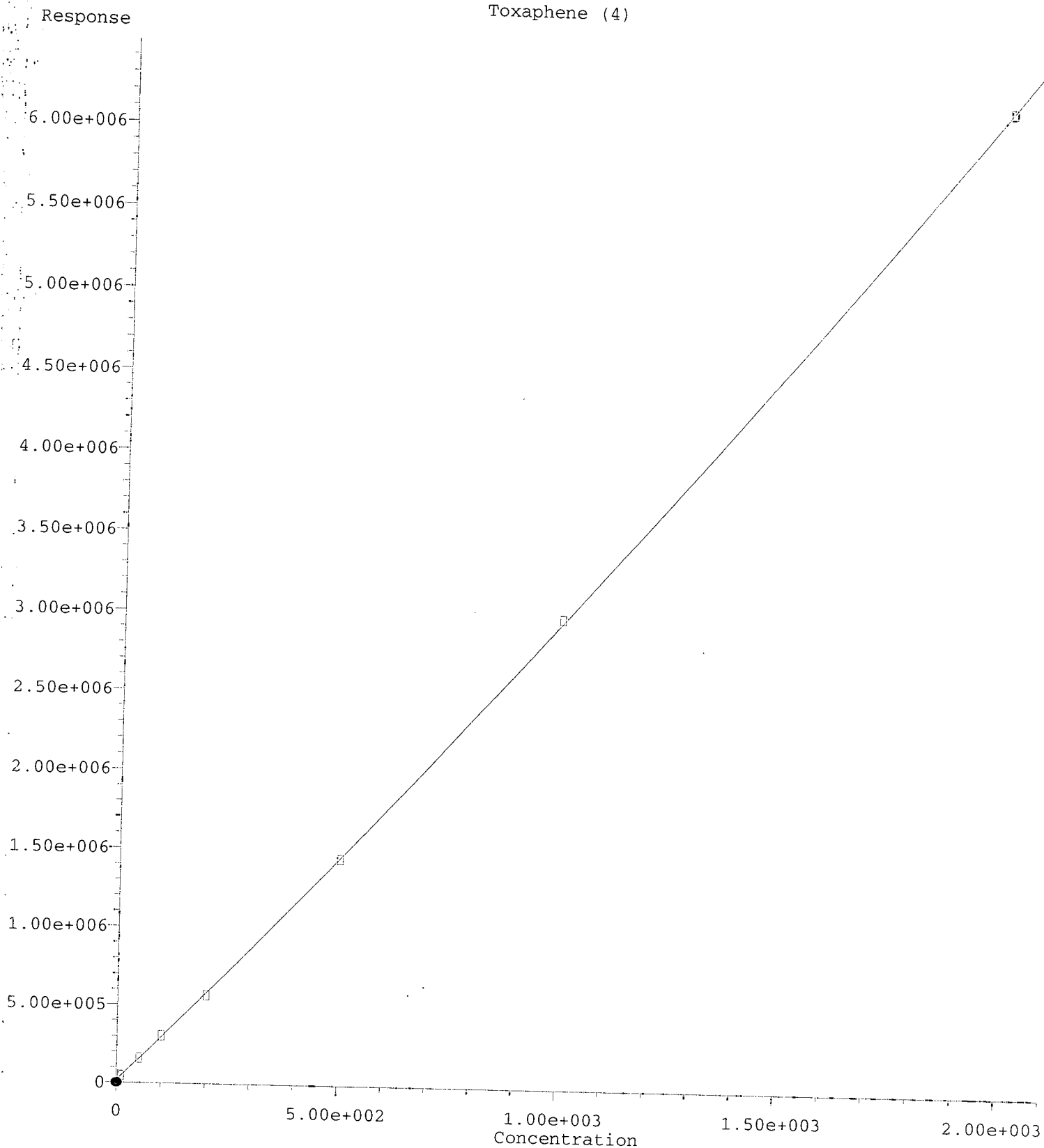


(34) Chlordane (3)
8.267min 10.437 ng/mL
response 55530

MJB
4/13/20

(34) Chlordane (3) #2
8.984min -3.622 ng/mL (m)
response 2573

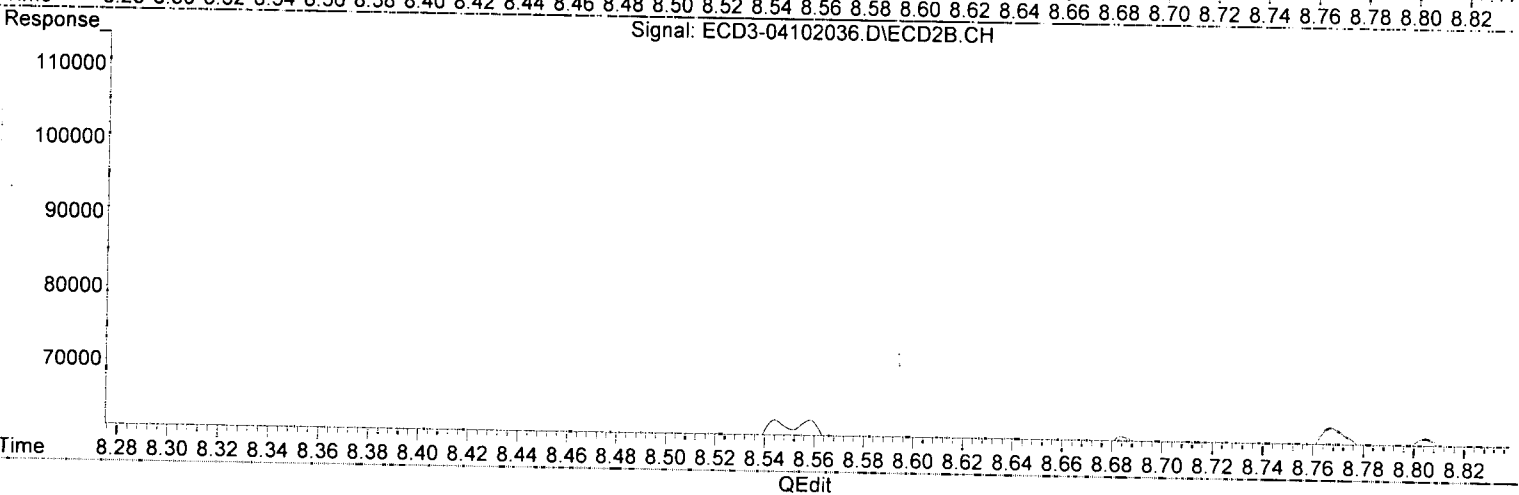
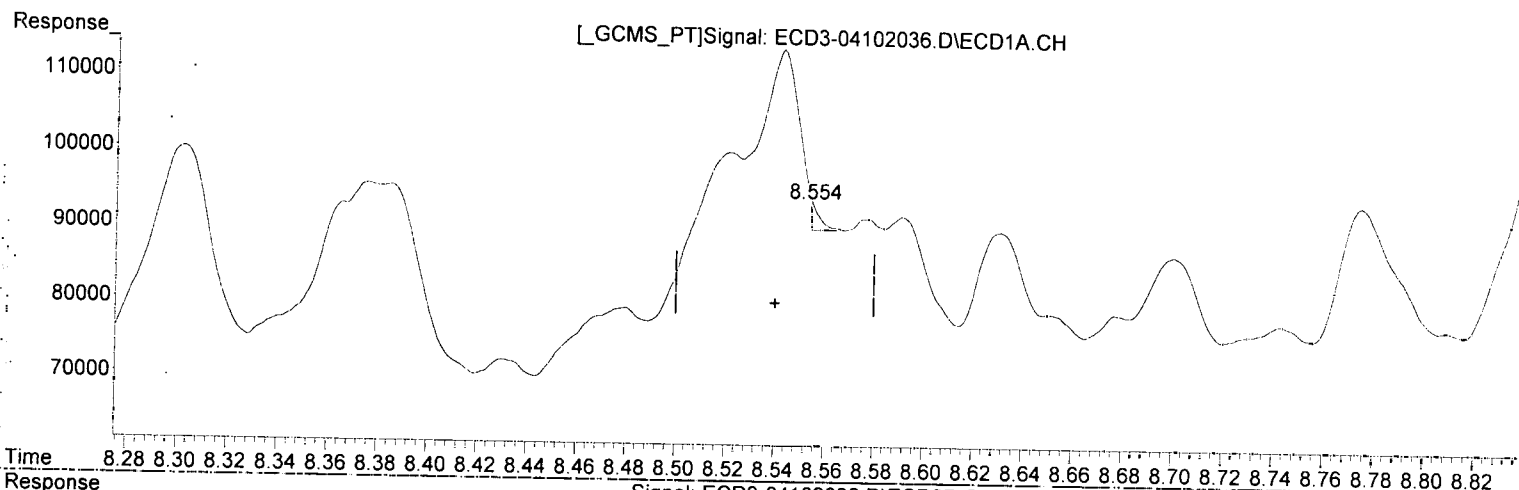
Toxaphene (4)



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:14
Operator : MJB
Sample : 0D10031-CALQ
Misc : A20D137, TOX 10 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: Apr 13 12:47:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

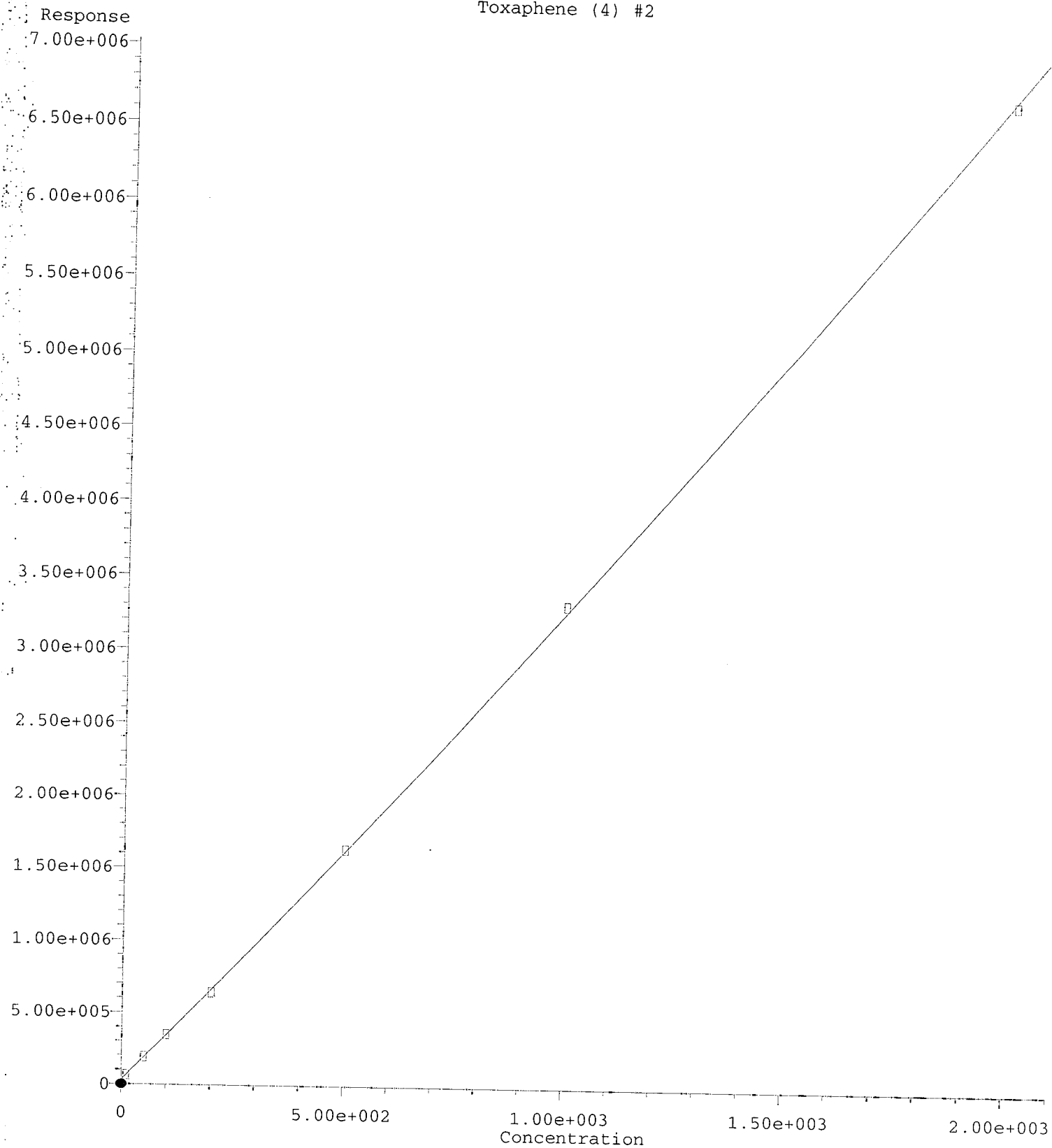


(39) Toxaphene (4)
8.554min -4.616 ng/mL (m)
response 4014

MJB
4/13/20

(39) Toxaphene (4) #2
9.011min 9.976 ng/mL
response 62570

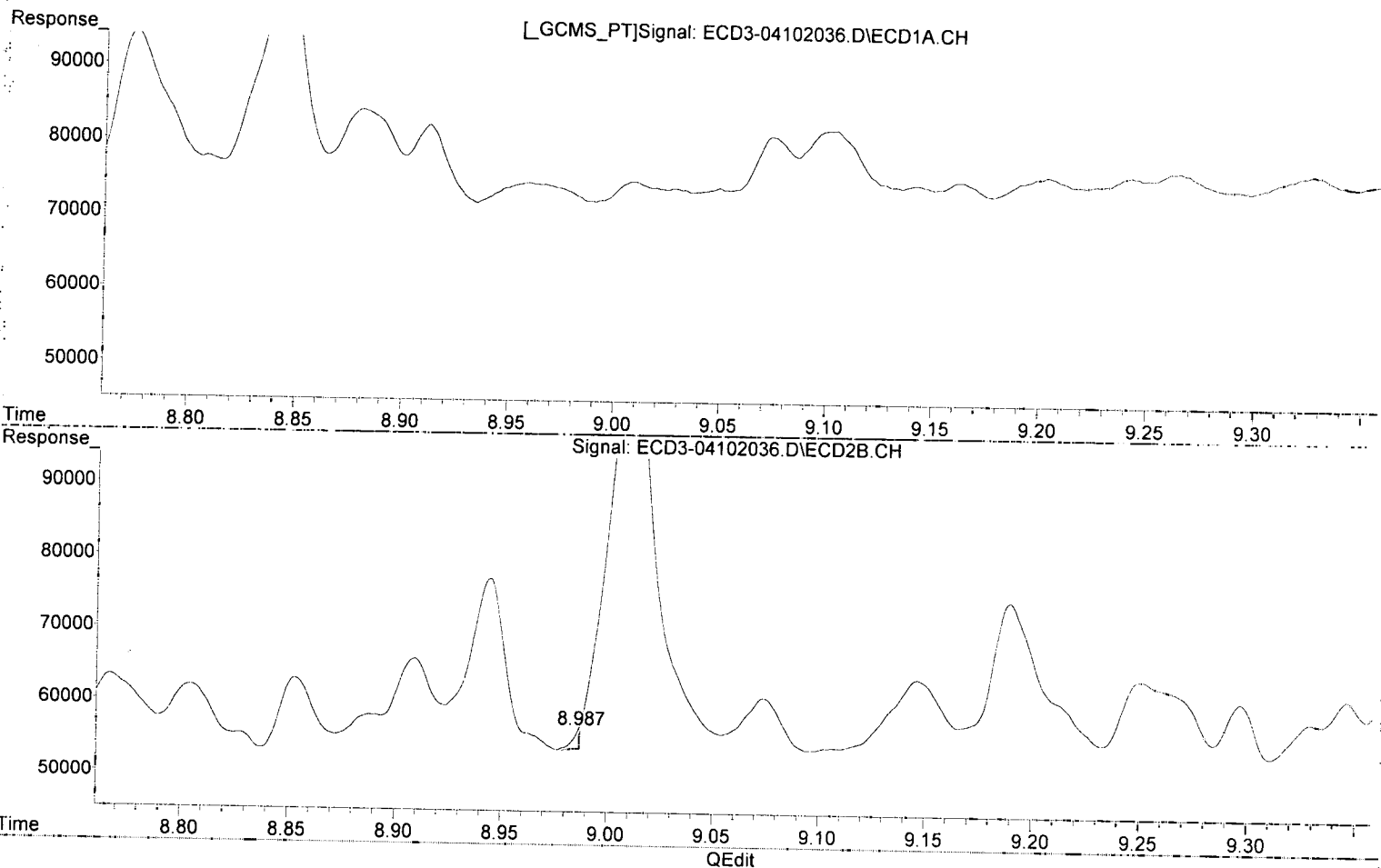
Toxaphene (4) #2



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:14
Operator : MJB
Sample : OD10031-CALQ
Misc : A20D137, TOX 10 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: Apr 13 12:47:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



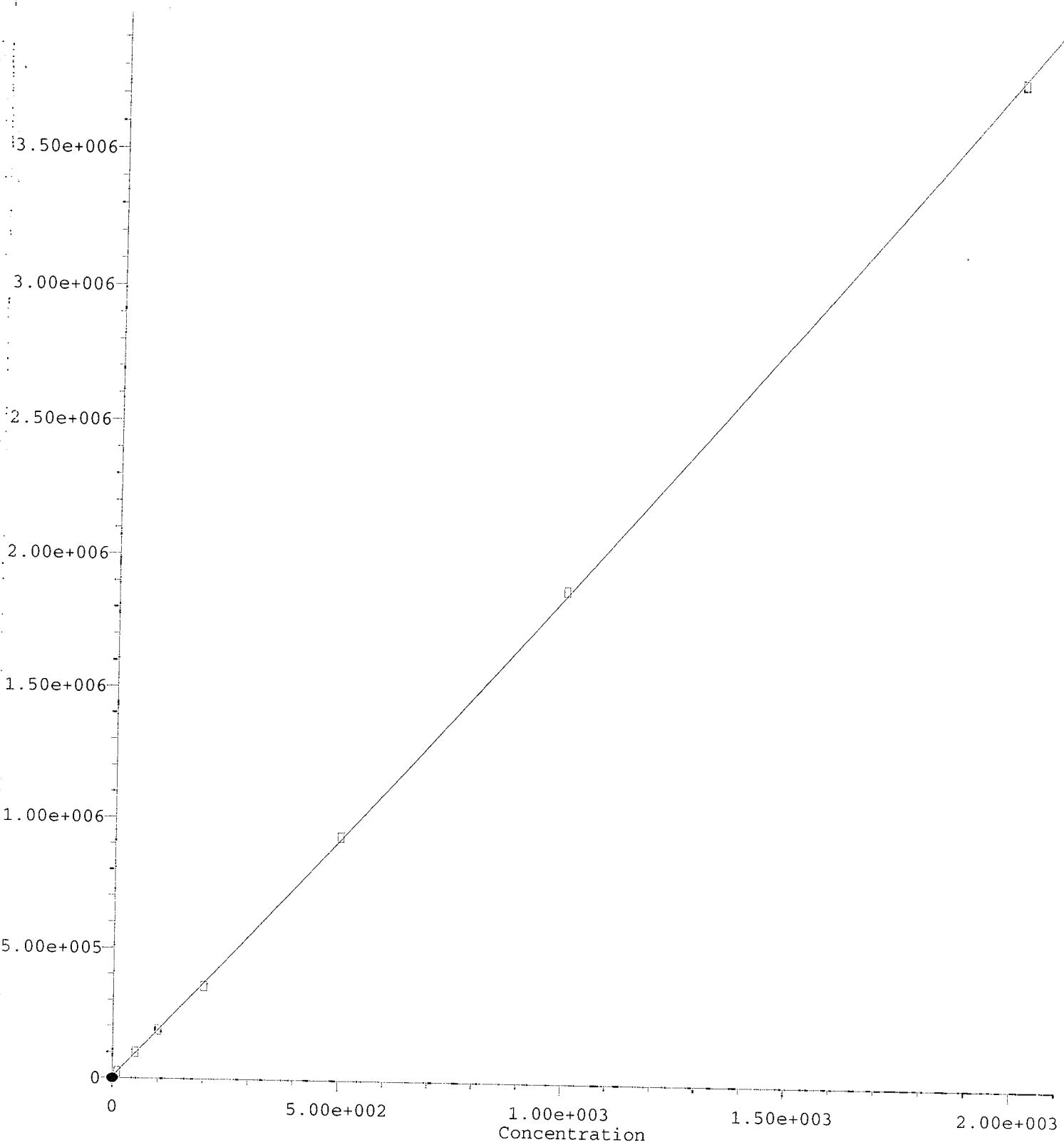
(39) Toxaphene (4)
8.554min -4.616 ng/mL m
response 4014

MJB
4/13/20

(39) Toxaphene (4) #2
8.986min -9.217 ng/mL(m)
response 2663

Toxaphene (5) #2

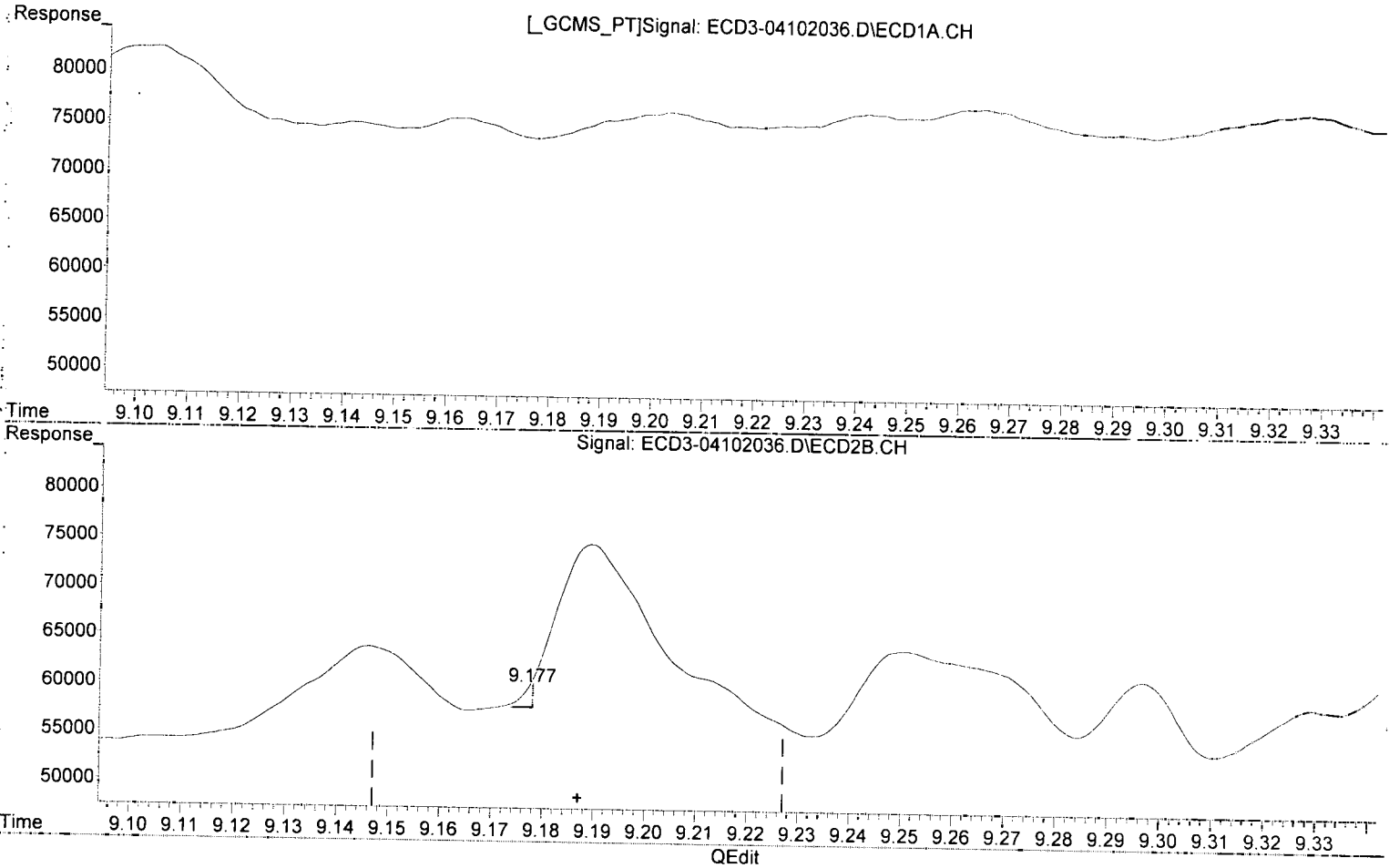
Response



Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
Data File : ECD3-04102036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:14
Operator : MJB
Sample : OD10031-CALQ
Misc : A20D137, TOX 10 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: Apr 13 12:47:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(40) Toxaphene (5)
8.775min 9.973 ng/mL
response 23487

MJB
4/13/20

(40) Toxaphene (5) #2
9.177min -2.047 ng/mL
response 2211

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:05
 Operator : MJB
 Sample : OD10031-ICB1
 Misc : A20B383
 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: Apr 13 14:37:25 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

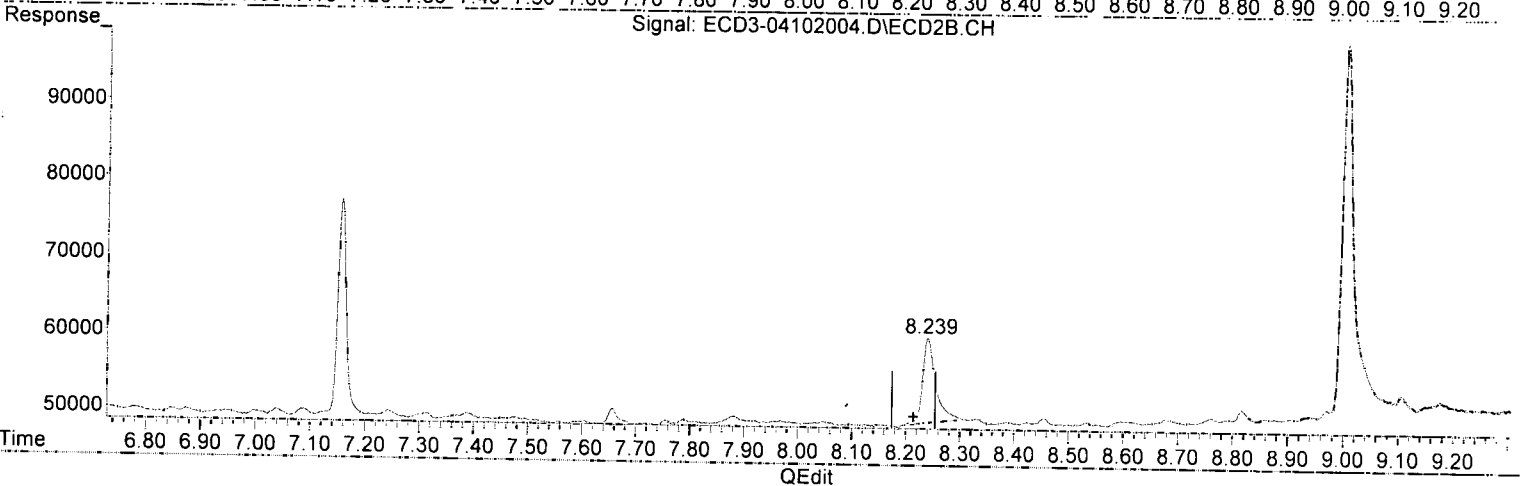
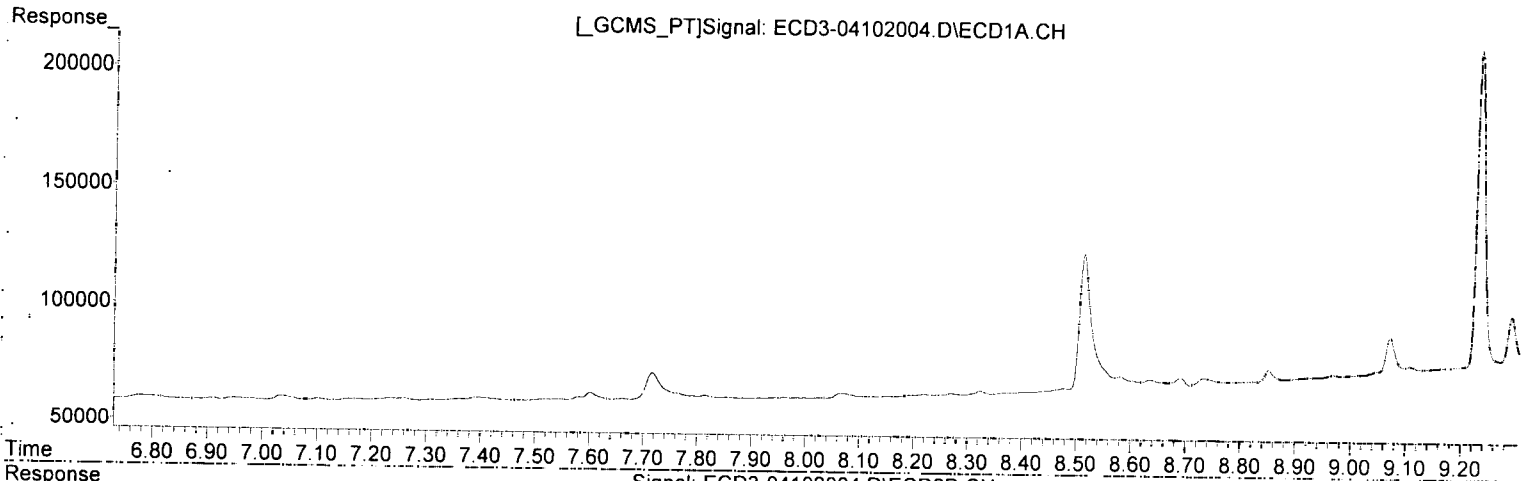
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.561	6.060	14007398	10443056	94.576	96.566
22) S DCBP (S)	9.806	10.677	9729997	5807983	88.424	89.325
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	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	8.239	0	11031	N.D.	0.091 #
10) cis-Chlor...	7.717	0.000	10843	0	0.069	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	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	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...	8.581f	0.000	2371	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...	9.072f	0.000	13537	0	0.094	N.D. #
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.948	0.000	27535	0	0.004	N.D. #
25) Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	0.000	8.239f	0	11031	N.D.	2144.840 # QDC
27) trans-Non...	7.717	0.000	10843	0	BelowCal	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.
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	8.851	0.000	4576	0	0.094	N.D. #
32) Chlordane...	0.000	8.239	0	11031	N.D.	0.763 #
33) Chlordane...	7.717	0.000	10843	0	0.523	N.D. #
34) Chlordane...	0.000	9.003	0	47406	N.D.	8.840 #
35) Chlordane...	0.000	3.829f	0	11722	N.D.	NoCal
36) Toxaphene...	7.717f	0.000	10843	0	13.026	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...	8.514f	9.003	56698	47406	14.221	5.121 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.851	0.000	4576	0	1.509	N.D. #
42) Toxaphene...	0.000	3.829f	0	11722	N.D.	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
Data File : ECD3-04102004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:05
Operator : MJB
Sample : 0D10031-ICB1
Misc : A20B383
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: Apr 13 14:37:25 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

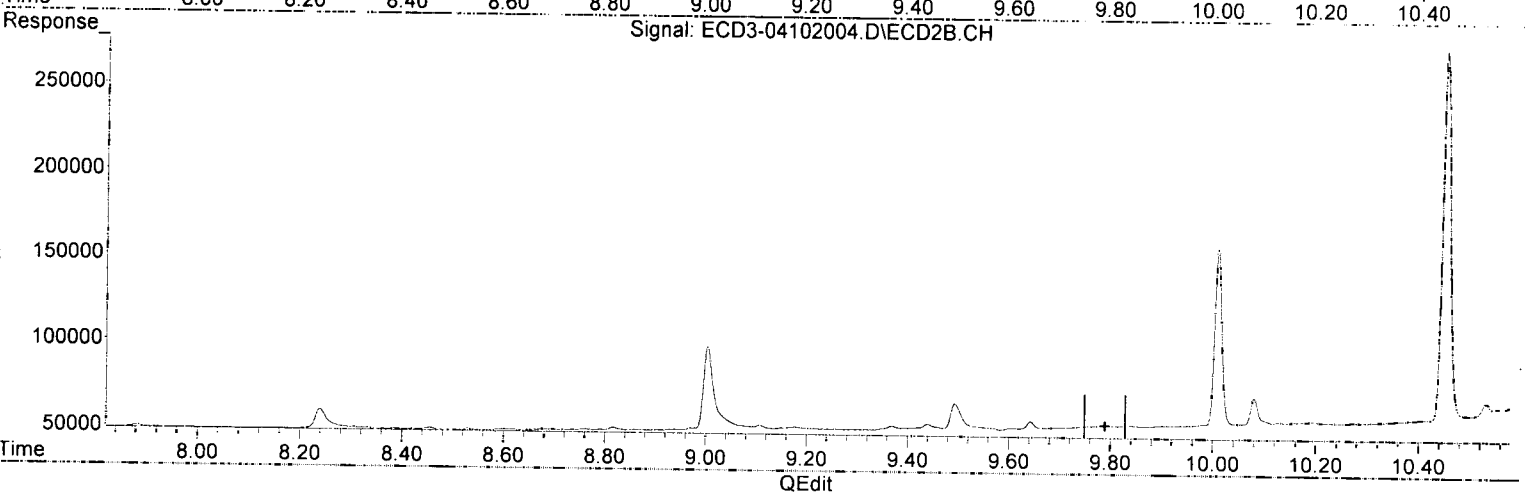
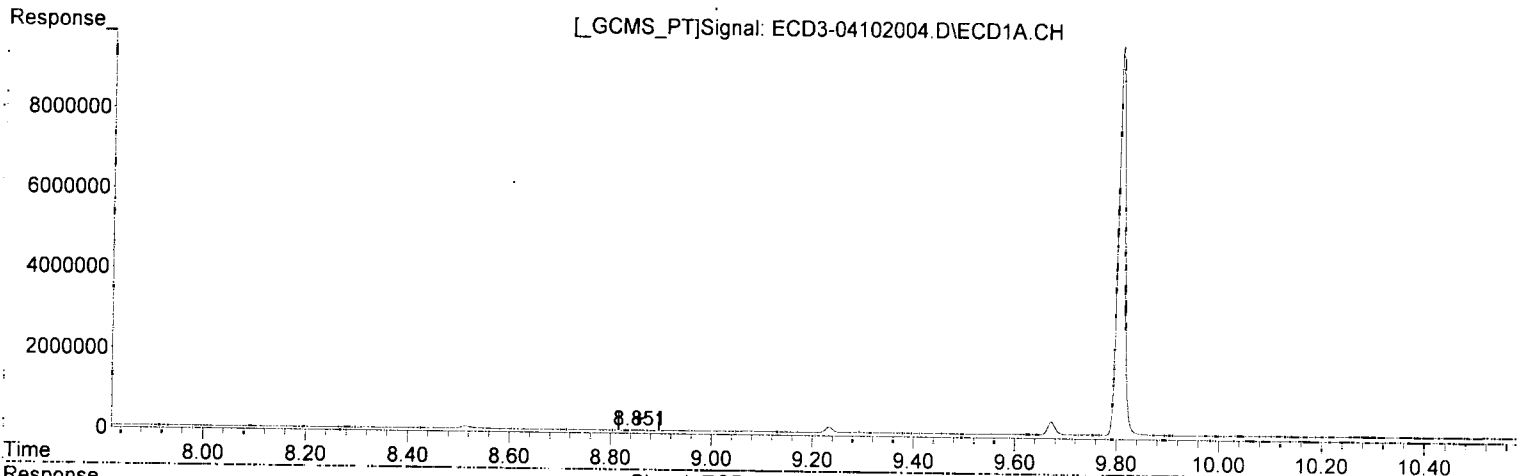
MJB
4/13/20

(26) 2,4'-DDE #2
8.239min 2144.840 ng/mL ~~0-DDE~~
response 11031

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
Data File : ECD3-04102004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:05
Operator : MJB
Sample : 0D10031-ICB1
Misc : A20B383
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: Apr 13 14:37:25 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex
8.851min 7125.838 ng/mL *Q-24*
response 4576

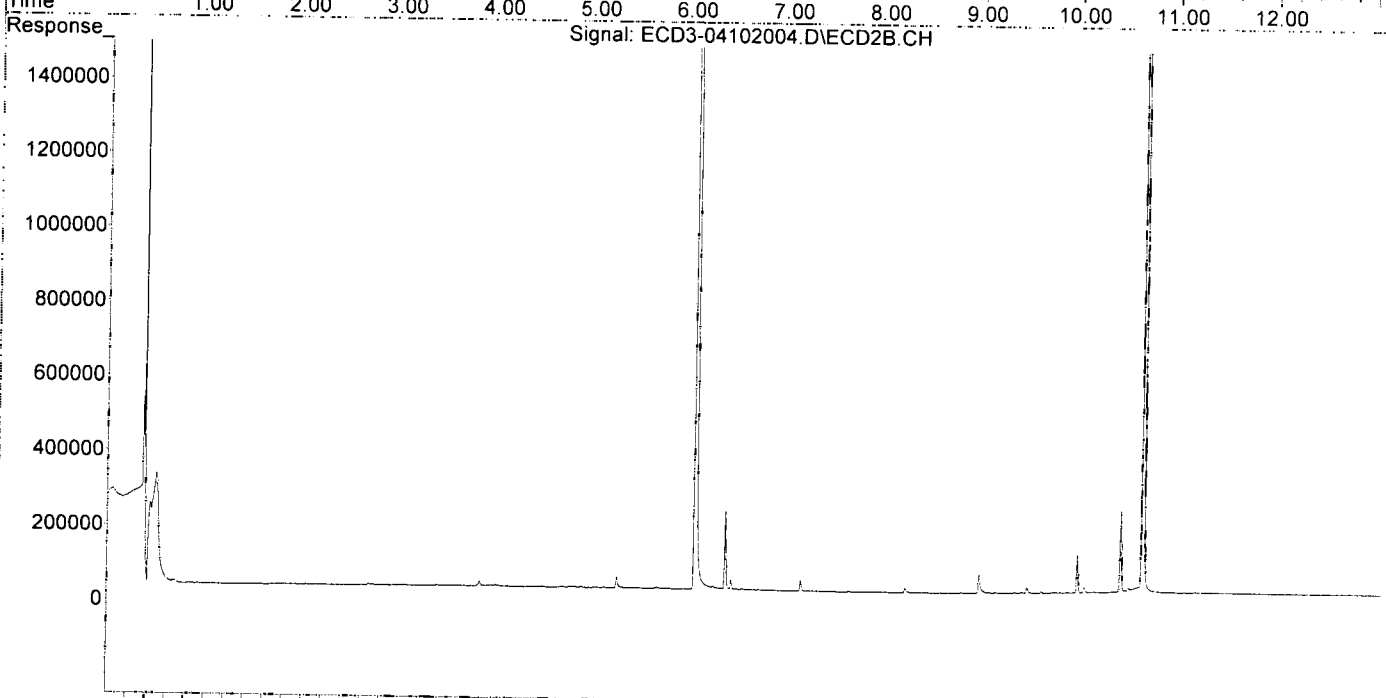
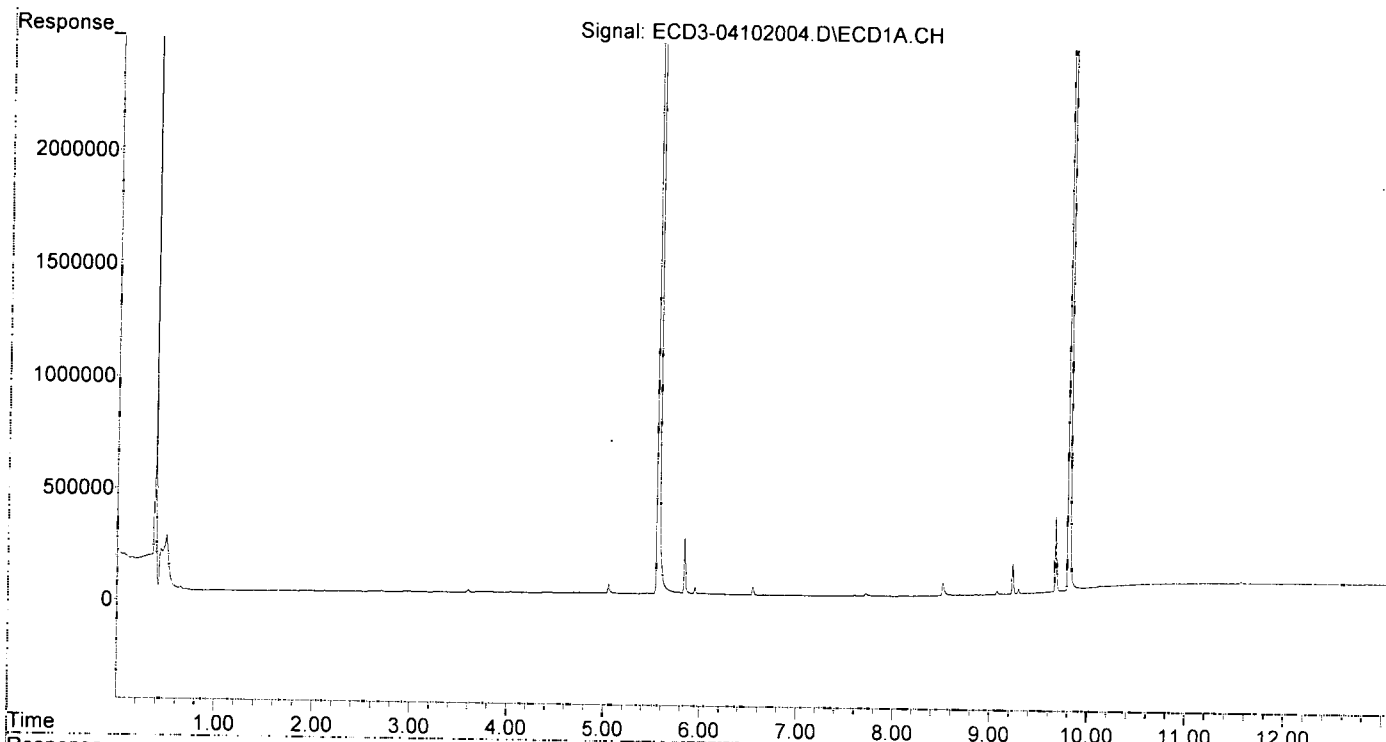
MJB
4/13/20

(31) Mirex #2
0.000min 0.000 ng/mL
response 0

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
Data File : ECD3-04102004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:05
Operator : MJB
Sample : 0D10031-ICB1
Misc : A20B383
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: Apr 13 14:37:25 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:57
 Operator : MJB
 Sample : 0D10031-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: Apr 13 14:37:30 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

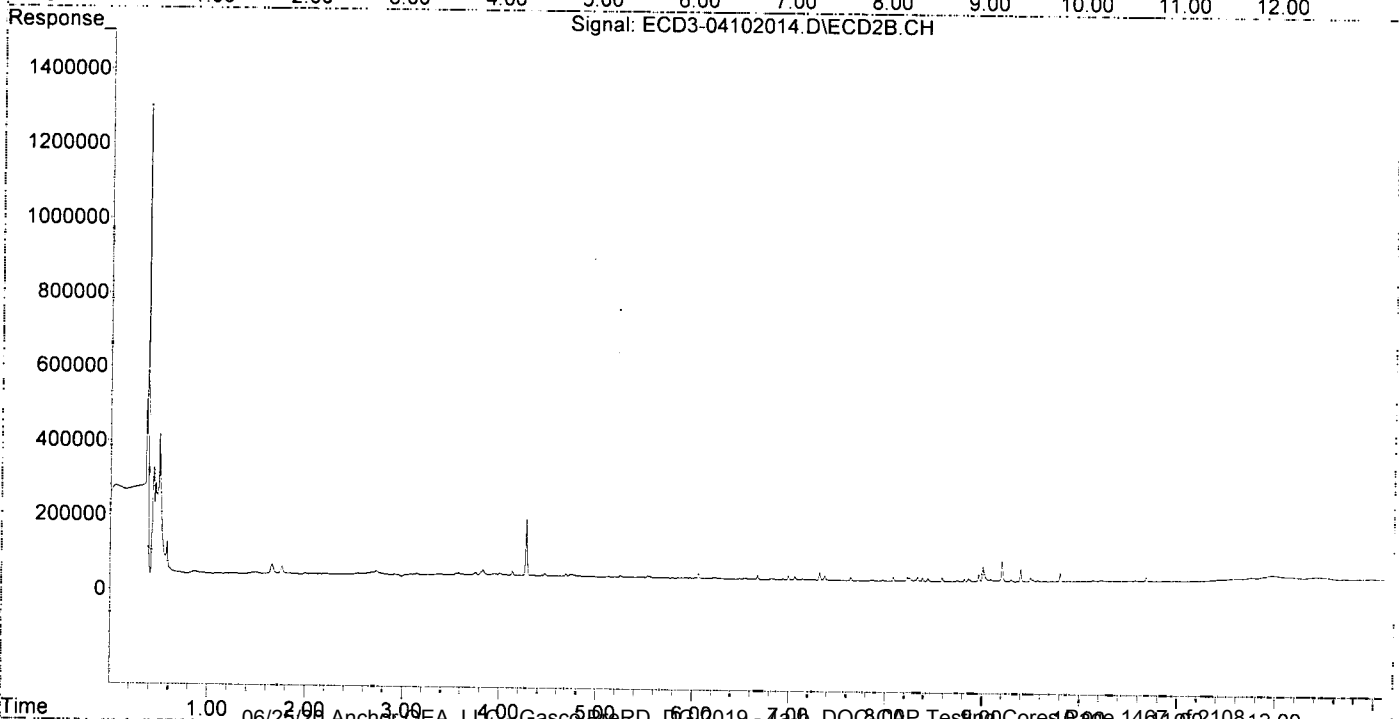
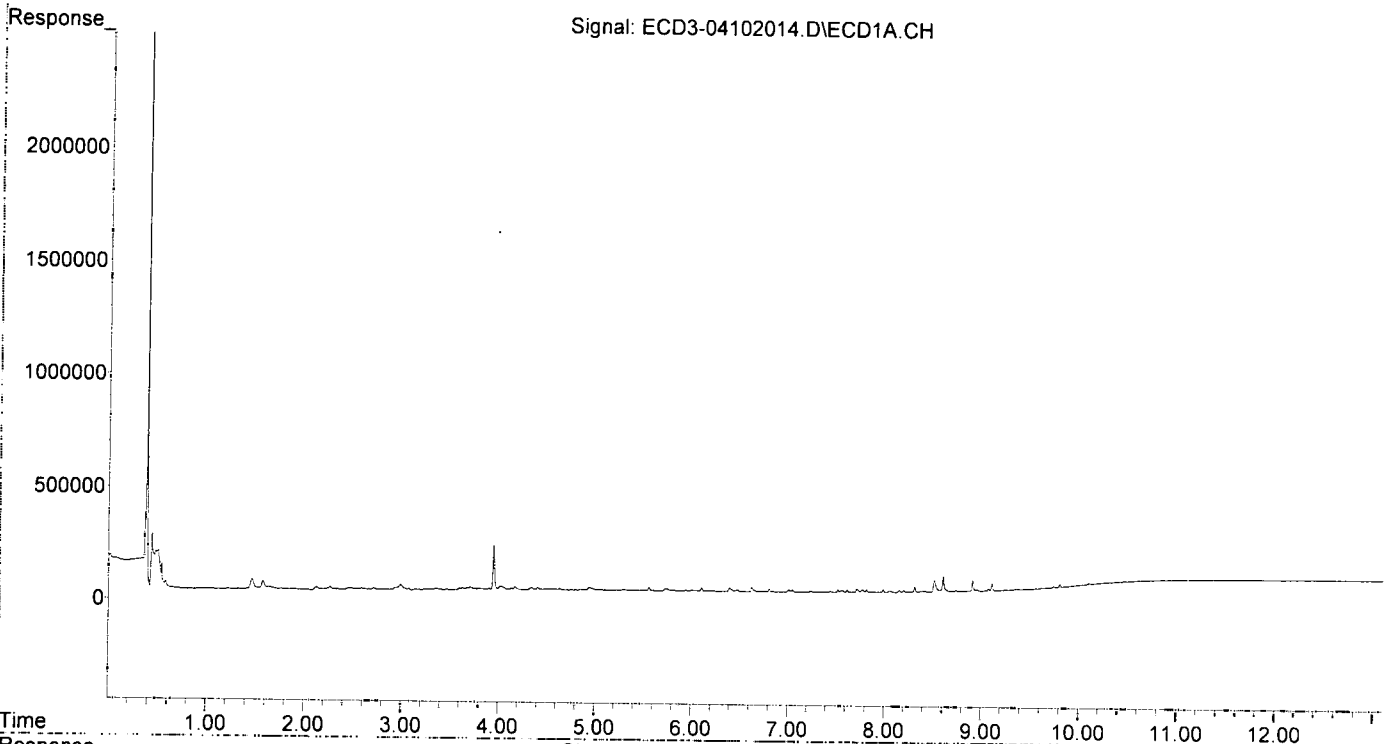
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.062	14361	12632	0.097	1884.003 #
22) S DCBP (S)	9.807	10.678	13290	9714	BelowCal	2279.945
Target Compounds						
2) a-BHC	6.107	6.673	14014	10733	0.069	0.068
3) g-BHC	6.398	6.994	16677	10541	0.097	0.078
4) b-BHC	6.474	7.061	8495	8184	0.125	0.133
5) Heptachlor	6.808	7.371	11726	11317	0.072	0.100
6) d-BHC	6.628	7.318	20172	20828	0.144	0.170
7) Aldrin	7.051	7.640	10541	8100	0.063	0.061
8) Heptachlo...	7.520	8.082	12548	10144	0.080	0.086
9) trans-Chl...	7.616	8.222	11349	10417	0.072	0.086
10) cis-Chlor...	7.715	8.330	15644	10710	0.100	0.092
11) Endosulfa...	7.815	8.383	11297	8792	0.079	0.082
12) 4,4'-DDE	7.774	8.438	11571	8379	0.080	0.073
13) Dieldrin	7.988	8.585	12966	10365	0.081	0.087
14) Endrin	8.155	8.814	9100	7342	0.074	0.085
15) 4,4'-DDD	8.202	8.857	8238	7914	0.068	0.084
16) Endosulfa...	8.315	8.962	23751	19447	0.196	0.212
17) 4,4'-DDT	8.399	9.085	6071	5870	0.163	0.178
18) Endrin Al...	8.608	9.202	68986	54792	0.446	0.441
19) Endosulfa...	8.913	9.393	47417	32882	0.394	0.391
20) Methoxychlor	8.740	9.568	5455	3270	0.171	0.171
21) Endrin Ke...	9.111	9.796	32767	23268	0.227	0.243
23) Hexachlor...	3.356	3.753	2848	7057	2108.686	838.034 #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.520	8.222	12548	10417	BelowCal	2144.848
27) trans-Non...	7.715	0.000	15644	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.585	0	10365	N.D.	3167.731 #
29) 2,4'-DDT	8.056f	8.814	6163	7342	0.082	0.137 #
30) cis-Nonac...	8.202f	8.857	8238	7914	BelowCal	2549.492
31) Mirex	0.000	9.796	0	23268	N.D.	3567.185 #
32) Chlordane...	7.616	8.222	11349	10417	0.643	0.720
33) Chlordane...	7.715	8.330	15644	10710	0.755	0.866
34) Chlordane...	0.000	9.006	0	38549	N.D.	6.378 #
35) Chlordane...	0.000	3.753f	0	7057	N.D.	NoCal
36) Toxaphene...	7.715f	8.585f	15644	10365	18.793	9.254 #
37) Toxaphene...	7.988	0.000	12966	0	8.605	N.D. #
38) Toxaphene...	8.315	8.962f	23751	19447	7.636	8.960
39) Toxaphene...	8.517f	9.006	50469	38549	11.996	2.284 #
40) Toxaphene...	8.740f	9.202	5455	54792	2.316	27.007 #
41) Toxaphene...	0.000	9.568	0	3270	N.D.	1.616 #
42) Toxaphene...	0.000	3.753f	0	7057	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\2020-04\0D10031\
Data File : ECD3-04102014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:57
Operator : MJB
Sample : 0D10031-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: Apr 13 14:37:30 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 15:14
 Operator : MJB
 Sample : OD10031-ICV1
 Misc : A20C164, AB 50 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: Apr 13 14:37:35 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

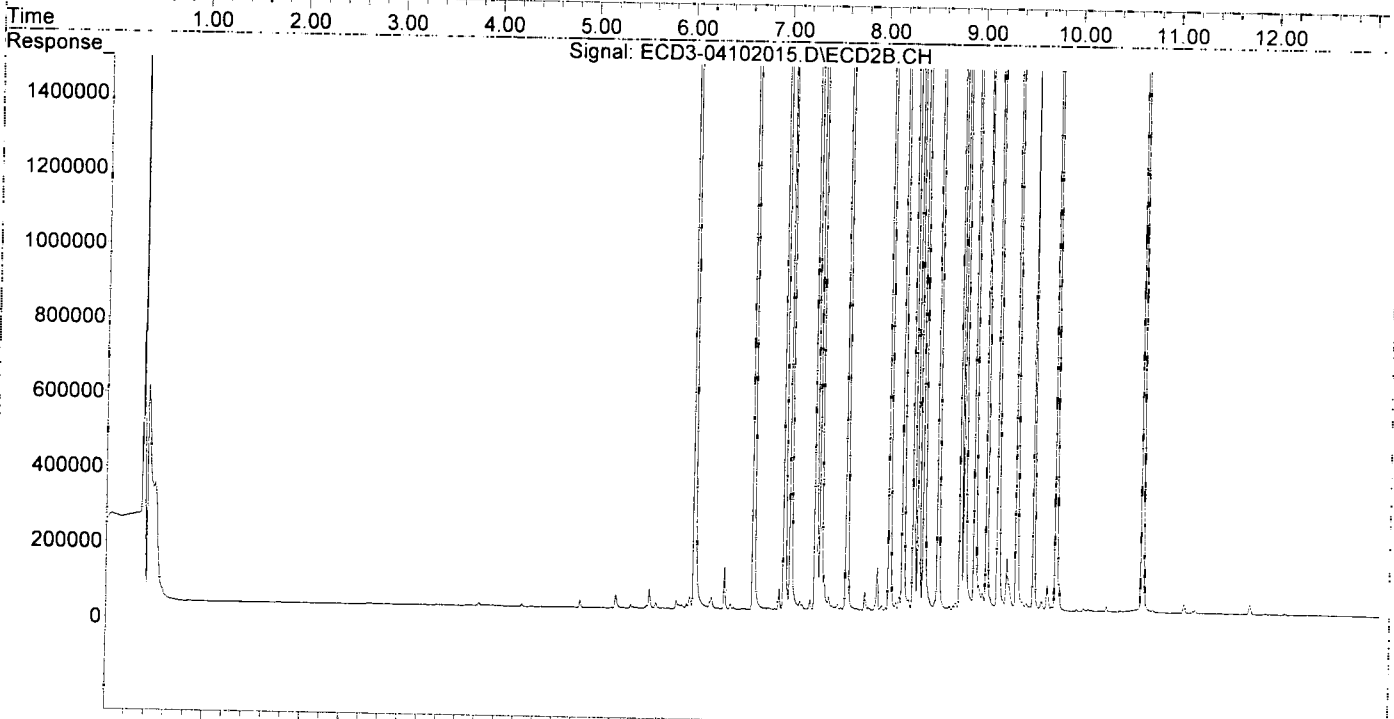
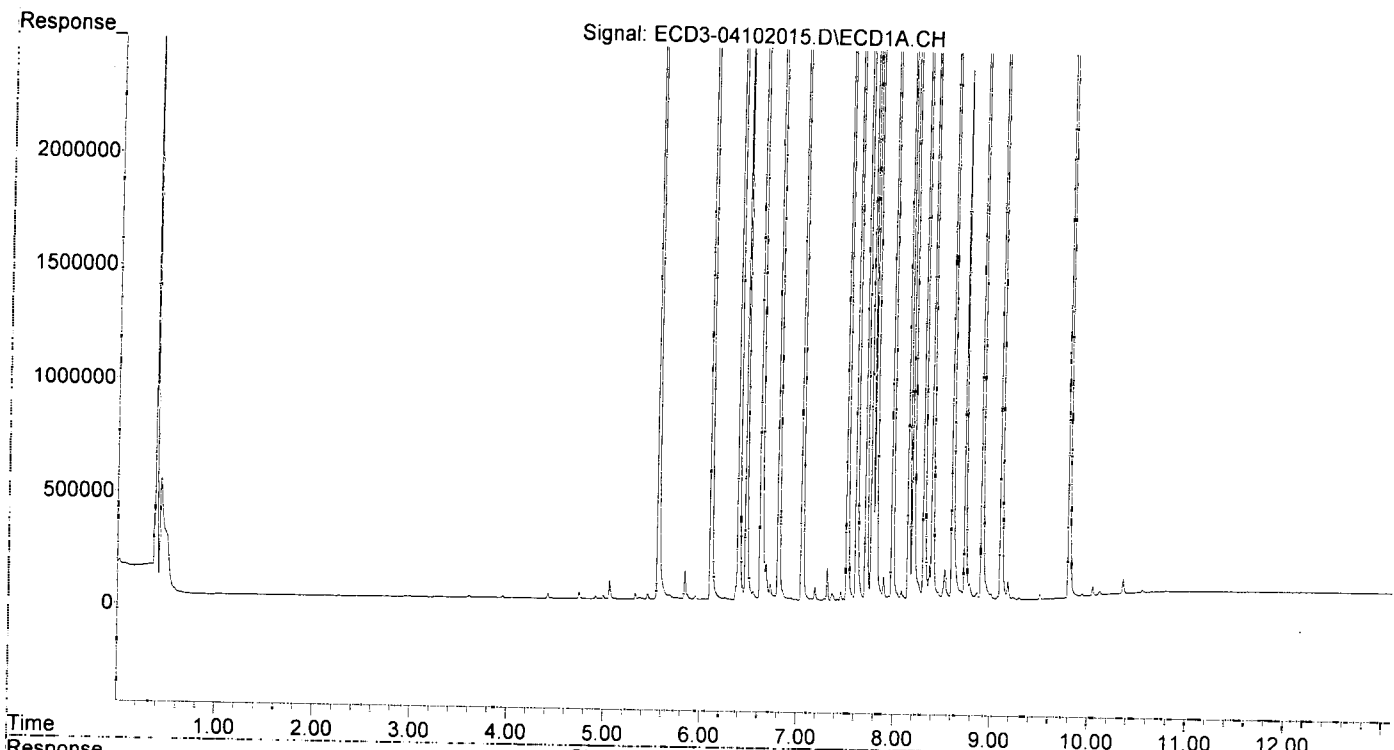
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.062	7154712	5672290	48.308	51.085
22) S DCBP (S)	9.807	10.679	5506550	3301372	50.007	49.766
Target Compounds						
2) a-BHC	6.108	6.674	9990849	7656433	49.388	48.775
3) g-BHC	6.395	6.994	8960585	6704038	51.891	49.761
4) b-BHC	6.470	7.058	3450860	2893841	50.583	47.118
5) Heptachlor	6.808	7.371	7884934	5476181	48.153	48.375
6) d-BHC	6.624	7.316	7275741	6112992	51.833	50.010
7) Aldrin	7.053	7.641	8323743	6385572	49.652	48.049
8) Heptachlo...	7.520	8.082	7527788	5671738	48.137	48.191
9) trans-Chl...	7.615	8.222	7716593	5714580	49.038	47.384
10) cis-Chlor...	7.713	8.331	7596984	5445858	48.398	47.017
11) Endosulfa...	7.813	8.382	7061479	4957120	49.201	46.096
12) 4,4'-DDE	7.773	8.437	7516432	5506386	52.106	47.819
13) Dieldrin	7.987	8.585	8017113	5795907	49.885	48.403
14) Endrin	8.154	8.814	6412704	4529791	51.982	52.398
15) 4,4'-DDD	8.199	8.856	6225104	4434080	51.276	46.988
16) Endosulfa...	8.313	8.962	6332639	4710664	52.314	51.360
17) 4,4'-DDT	8.399	9.085	5121856	3288899	52.934	53.995
18) Endrin Al...	8.606	9.201	5070095	3994540	48.919	50.227
19) Endosulfa...	8.912	9.393	6161467	4329515	51.150	51.433
20) Methoxychlor	8.737	9.568	2347710	1503159	51.682	52.275
21) Endrin Ke...	9.110	9.797	7009815	4671717	48.663	48.829
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.948	0.000	15381	0	BelowCal	N.D.
25) Oxychlordane	7.454	8.005	39125	12684	0.103	3277.609 #
26) 2,4'-DDE	7.520	8.222	7527788	5714580	81.235	76.347
27) trans-Non...	7.713	8.279	7596984	27126	52.606	0.026 #
28) 2,4'-DDD	7.896	8.585	102411	5795907	1.040	89.262 #
29) 2,4'-DDT	8.080	8.814	40626	4529791	0.540	84.449 #
30) cis-Nonac...	8.199f	8.856	6225104	4434080	40.214	38.459
31) Mirex	8.861	9.797	27601	4671717	7125.605	69.931 #
32) Chlordane...	7.615	8.222	7716593	5714580	437.189	395.002
33) Chlordane...	7.713	8.331	7596984	5445858	366.614	440.555
34) Chlordane...	0.000	9.005	0	62900	N.D.	13.146 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.713f	8.585f	7596984	5795907	9126.435	5175.004 #
37) Toxaphene...	7.987	0.000	8017113	0	5320.497	N.D. #
38) Toxaphene...	8.313	8.962f	6332639	4710664	2035.979	2170.468
39) Toxaphene...	8.529	9.005	134285	62900	41.895	10.082 #
40) Toxaphene...	8.783	9.201	69128	3994540	29.352	2090.983 #
41) Toxaphene...	8.861	9.568	27601	1503159	9.099	742.670 #
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\2020-04\0D10031\
Data File : ECD3-04102015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:14
Operator : MJB
Sample : 0D10031-ICV1
Misc : A20C164, AB 50 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: Apr 13 14:37:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 18:06
 Operator : MJB
 Sample : 0D10031-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: Apr 13 14:37:39 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

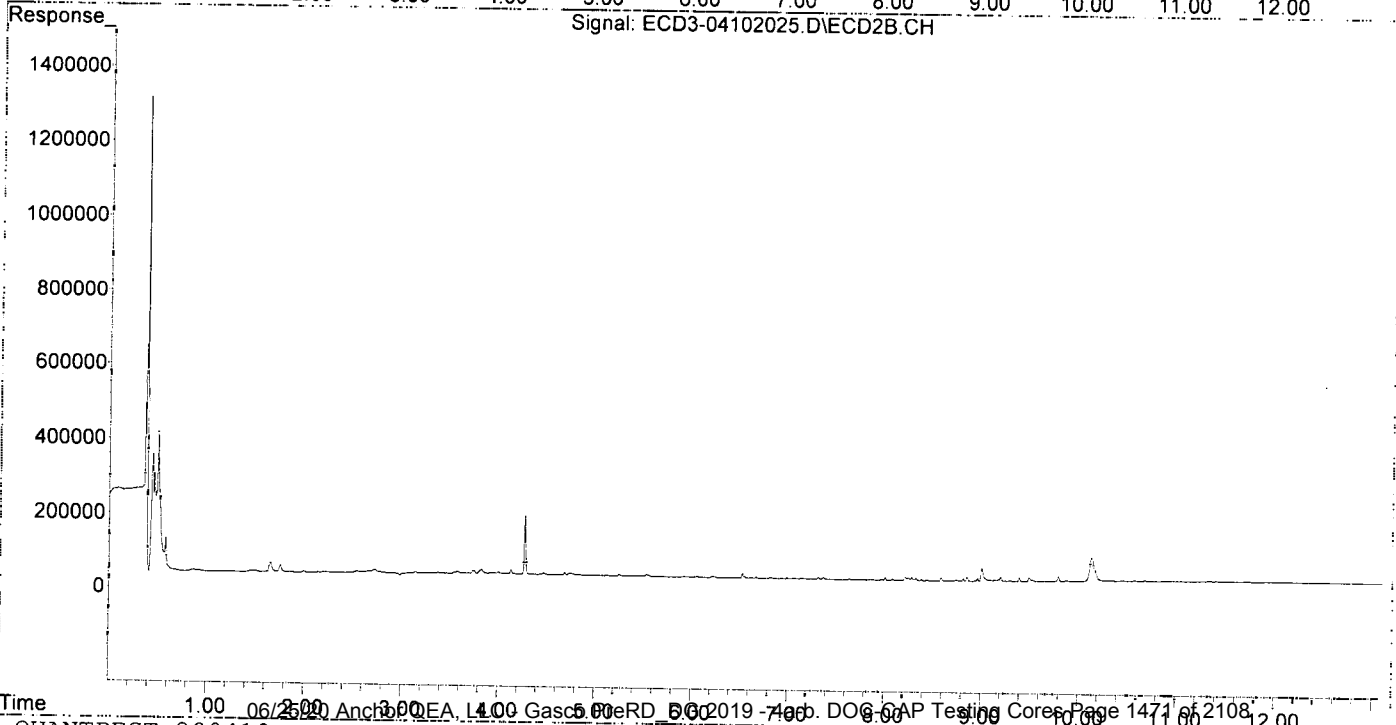
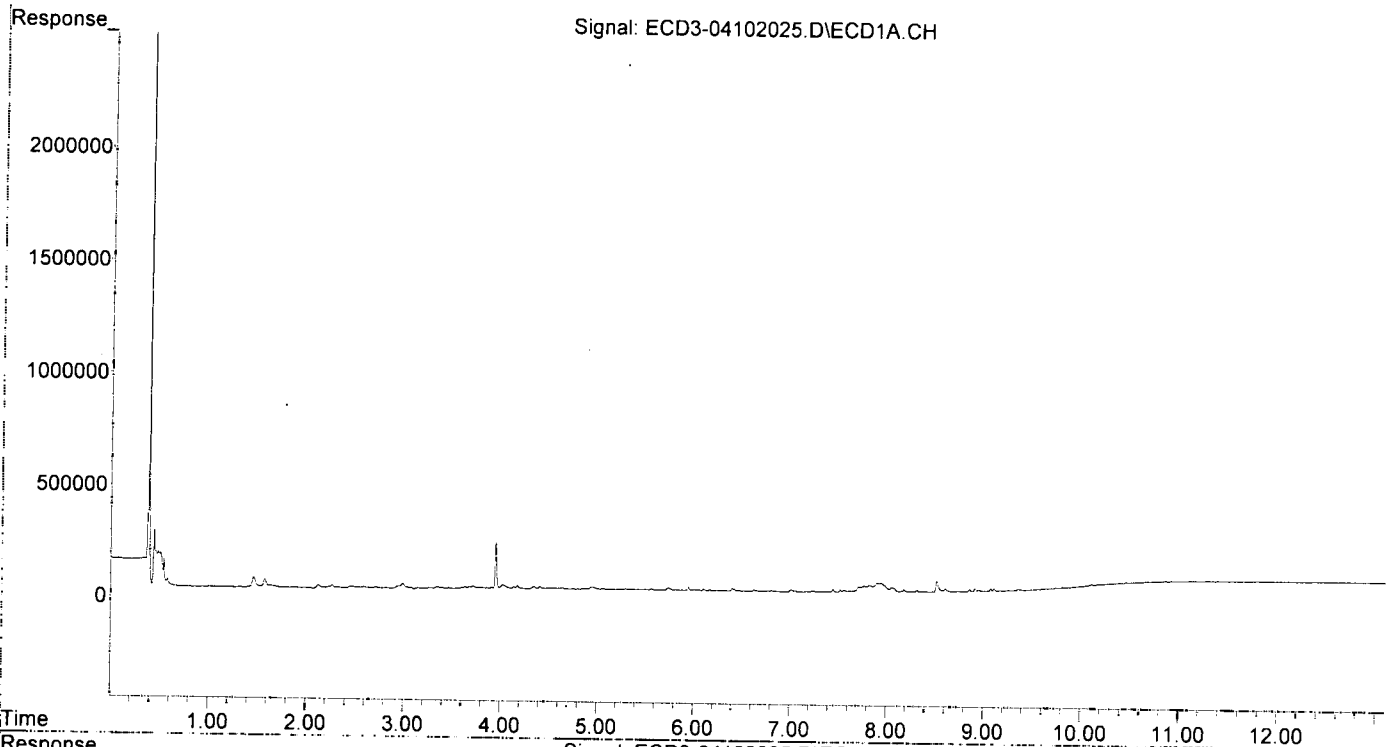
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.061	0	3427	N.D.	1884.084 #
22) S DCBP (S)	9.807	0.000	5528	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.107	6.673	6446	3877	0.032	0.025
3) g-BHC	6.400	6.994	9454	3651	0.055	0.027 #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.808	7.371	4782	5715	0.029	0.050 #
6) d-BHC	6.629	7.318	3733	6502	0.027	0.053 #
7) Aldrin	0.000	7.640	0	3231	N.D.	0.024 #
8) Heptachlo...	7.521	8.082	10797	3892	0.069	0.033 #
9) trans-Chl...	7.616	8.218	5400	9201	0.034	0.076 #
10) cis-Chlor...	7.710	8.330	22176	6644	0.141	0.057 #
11) Endosulfa...	7.817	8.382	29528	3636	0.206	0.034 #
12) 4,4'-DDE	7.772	0.000	26506	0	0.184	N.D. #
13) Dieldrin	0.000	8.589	0	8738	N.D.	0.073 #
14) Endrin	8.179f	8.816	10284	6914	0.083	0.080
15) 4,4'-DDD	8.179f	8.857	10284	12203	0.085	0.129 #
16) Endosulfa...	8.315	8.963	8143	7533	0.067	0.082
17) 4,4'-DDT	0.000	9.085	0	4018	N.D.	0.144 #
18) Endrin Al...	8.608	9.201	13624	11092	BelowCal	3407.070
19) Endosulfa...	8.914	9.393	13721	10139	0.114	0.120
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.110	9.794	11632	12079	0.081	0.126 #
23) Hexachlor...	3.343	3.735	5469	7461	2108.670	838.032 #
24) Hexachlor...	5.948	6.532	13572	13074	BelowCal	2197.509
25) Oxychlordane	7.445	8.010	11916	7937	BelowCal	3277.657
26) 2,4'-DDE	7.521	8.218	10797	9201	BelowCal	2144.864
27) trans-Non...	7.710	8.286	22176	10027	BelowCal	1953.472
28) 2,4'-DDD	7.901	8.589	39084	8738	0.262	3167.756 #
29) 2,4'-DDT	8.054f	8.816	19632	6914	0.261	0.129 #
30) cis-Nonac...	8.179	8.857	10284	12203	BelowCal	2549.455
31) Mirex	8.856	9.794	9473	12079	7125.788	3567.351 #
32) Chlordane...	7.616	8.218	5400	9201	0.306	0.636 #
33) Chlordane...	7.710	8.330	22176	6644	1.070	0.538 #
34) Chlordane...	0.000	9.008	0	35785	N.D.	5.609 #
35) Chlordane...	0.000	3.751f	0	8586	N.D.	NoCal
36) Toxaphene...	7.710f	8.589f	22176	8738	26.641	7.802 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.315	8.963f	8143	7533	2.618	3.471
39) Toxaphene...	8.519f	9.008	48084	35785	11.143	1.398 #
40) Toxaphene...	0.000	9.201	0	11092	N.D.	2.863 #
41) Toxaphene...	8.856	0.000	9473	0	3.123	N.D. #
42) Toxaphene...	0.000	3.751f	0	8586	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\2020-04\0D10031\
Data File : ECD3-04102025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 18:06
Operator : MJB
Sample : 0D10031-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: Apr 13 14:37:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 18:23
 Operator : MJB
 Sample : 0D10031-ICV2
 Misc : A20C360, 9-42 50 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: Apr 13 14:37:44 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

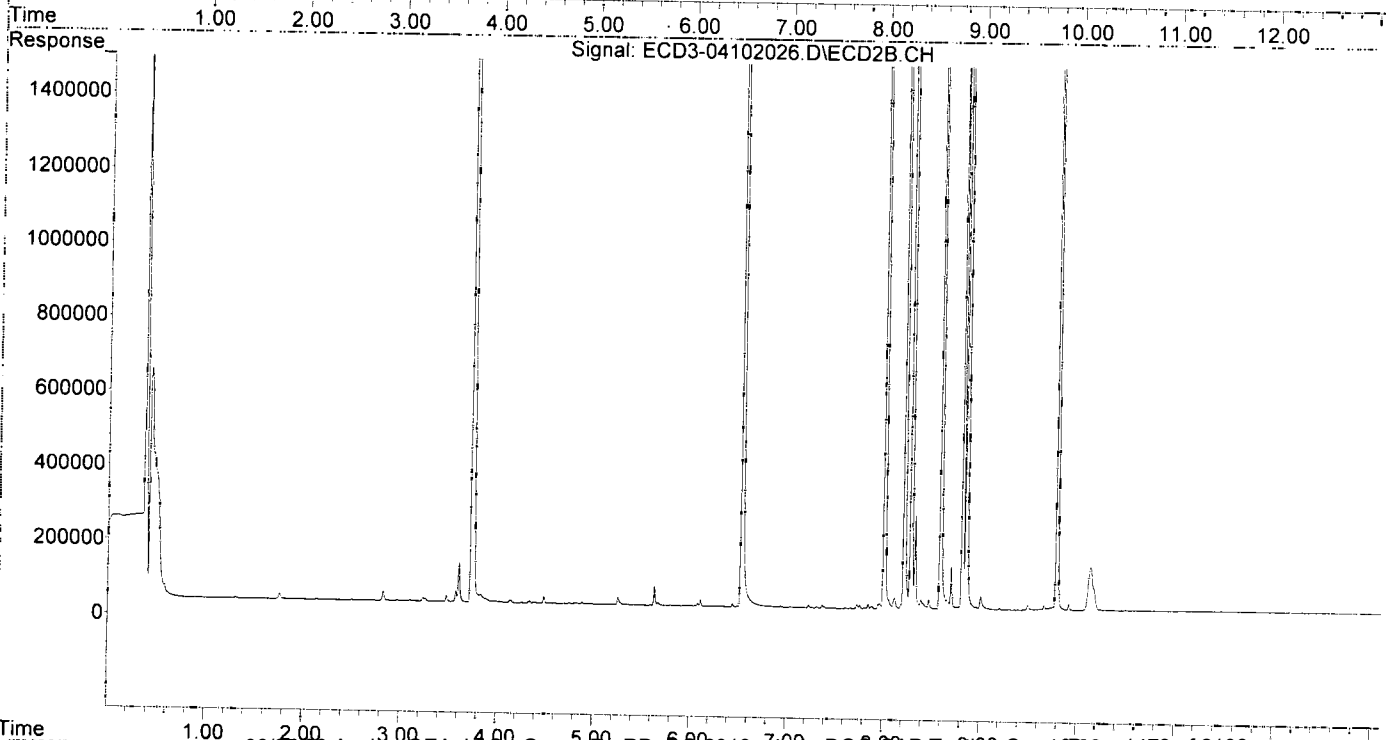
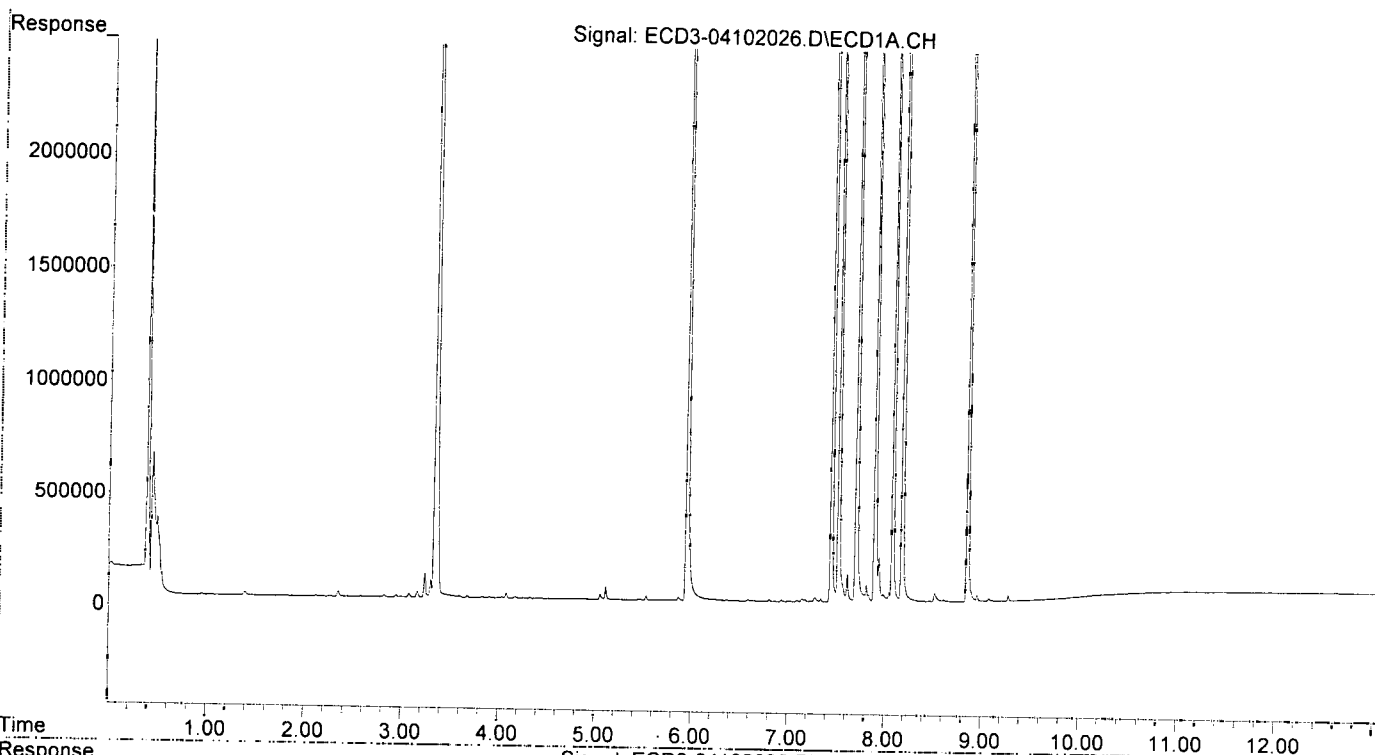
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.081	18244	7201	0.123	1884.051 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.808	7.372	8368	5507	0.051	0.049
6) d-BHC	6.588f	0.000	6118	0	0.044	N.D. #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.520	0.000	4731787	0	30.258	N.D. #
9) trans-Chl...	7.615	8.215	121428	3917092	0.772	32.479 #
10) cis-Chlor...	7.703	8.331	7516340	247386	47.884	2.136 #
11) Endosulfa...	7.814	8.393	70195	22193	0.489	0.206 #
12) 4,4'-DDE	7.792	8.412f	29915	14013	0.207	0.122 #
13) Dieldrin	7.987	8.591	26461	3254721	0.165	27.181 #
14) Endrin	8.179f	8.817	7957377	3109923	64.504	35.974 #
15) 4,4'-DDD	8.179f	8.856	7957377	5989948	65.544	63.476
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...	8.615	9.204	6444	3795	BelowCal	3407.161
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...	9.077f	9.789	8254	3386713	0.057	35.398 #
23) Hexachlor...	3.341	3.736	7896264	7193299	46.411	46.022
24) Hexachlor...	5.947	6.532	6933401	5654398	51.222	52.898
25) Oxychlorane	7.446	8.010	6653870	5073538	50.989	52.022
26) 2,4'-DDE	7.520	8.215	4731787	3917092	51.461	51.641
27) trans-Non...	7.703	8.286	7516340	5542427	52.049	51.344
28) 2,4'-DDD	7.896	8.591	4125234	3254721	50.269	49.355
29) 2,4'-DDT	8.081	8.817	4439544	3109923	58.974	57.978
30) cis-Nonac...	8.179	8.856	7957377	5989948	51.366	52.327
31) Mirex	8.856	9.789	4980238	3386713	50.296	50.297
32) Chlordane...	7.615	8.215	121428	3917092	6.880	270.756 #
33) Chlordane...	7.703	8.331	7516340	247386	362.722	20.013 #
34) Chlordane...	0.000	9.009	0	30817	N.D.	4.228 #
35) Chlordane...	3.836	0.000	4864	0	NoCal	N.D.
36) Toxaphene...	7.703	8.591f	7516340	3254721	9029.555	2906.049 #
37) Toxaphene...	7.987	0.000	26461	0	17.560	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.522	9.009	34833	30817	6.408	BelowCal #
40) Toxaphene...	0.000	9.204	0	3795	N.D.	BelowCal
41) Toxaphene...	8.856	0.000	4980238	0	1641.779	N.D. #
42) Toxaphene...	3.836	0.000	4864	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\2020-04\0D10031\
Data File : ECD3-04102026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 18:23
Operator : MJB
Sample : 0D10031-ICV2
Misc : A20C360, 9-42 50 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: Apr 13 14:37:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 20:40
 Operator : MJB
 Sample : OD10031-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: Apr 13 14:37:48 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

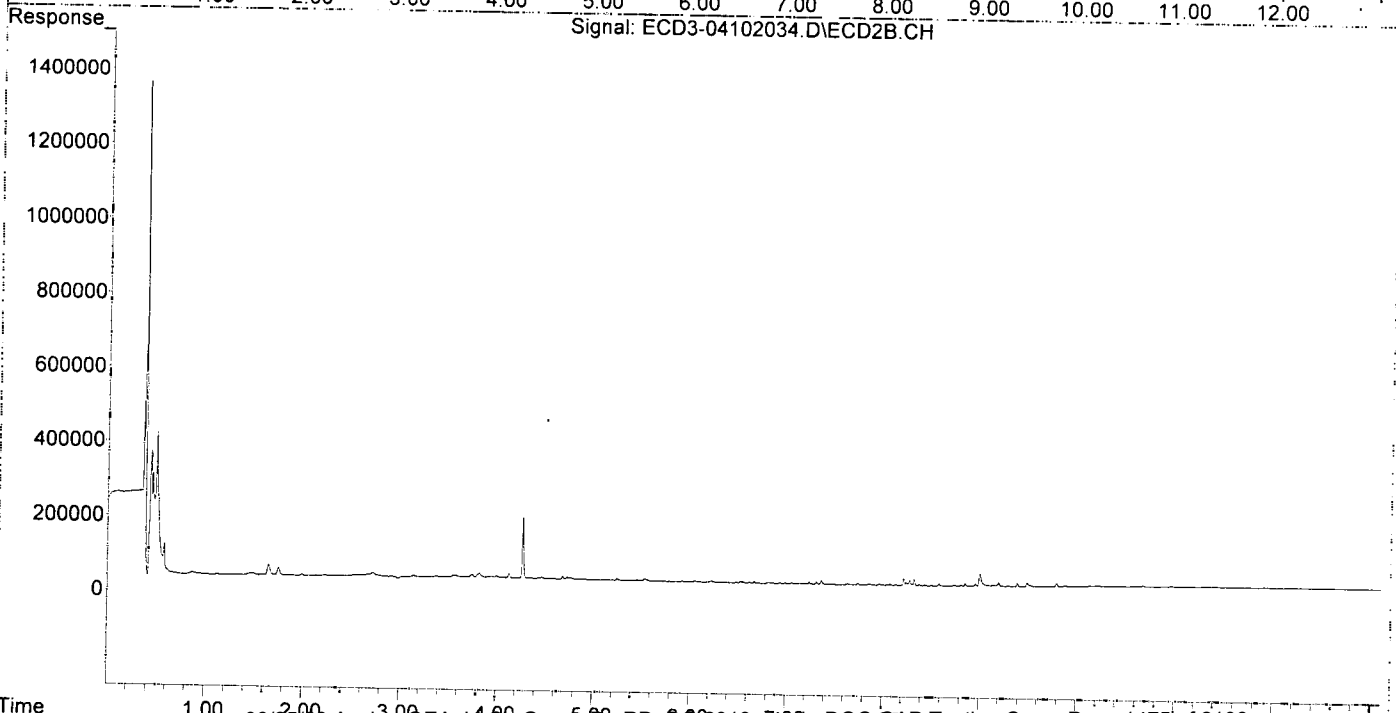
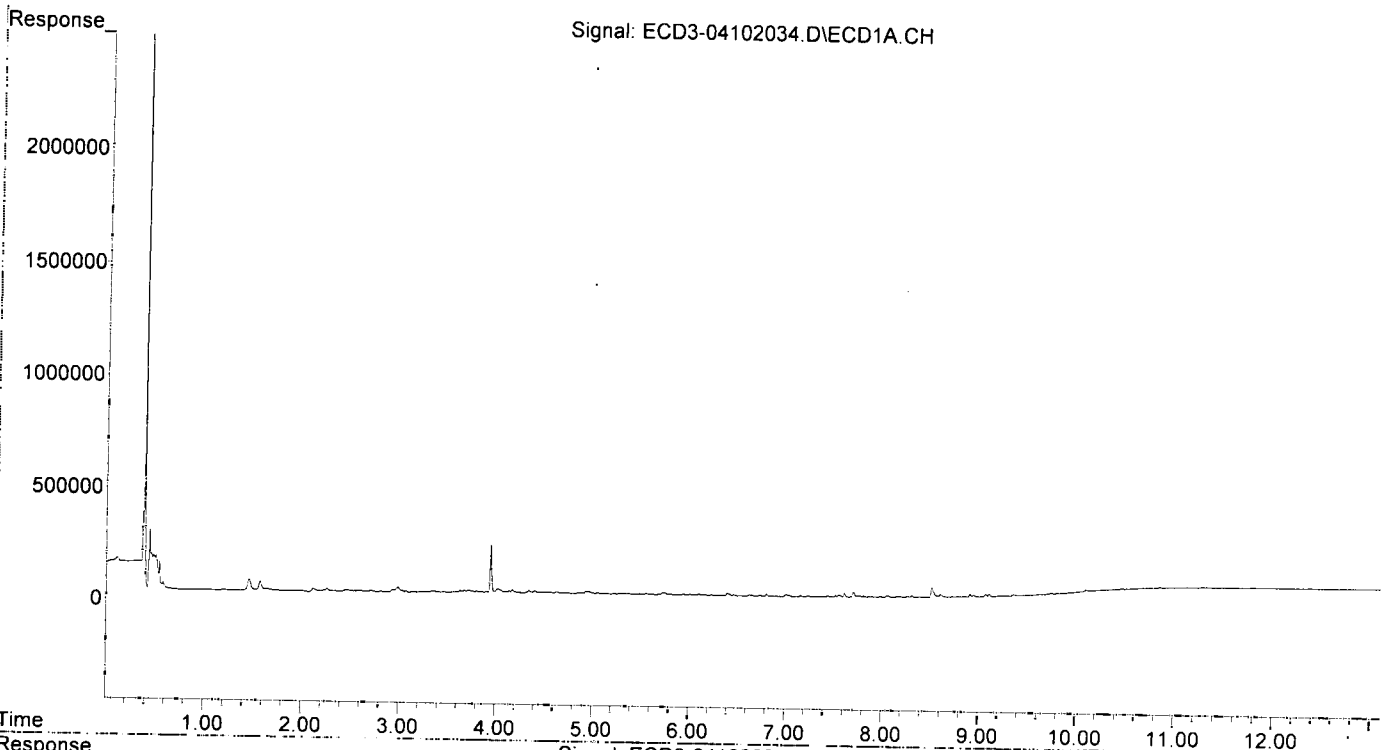
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S DCBP (S)	9.804	0.000	3738	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.103	6.669	6577	4074	0.033	0.026
3) g-BHC	6.397	6.990	9407	3702	0.054	0.027 #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.804	7.367	10109	10150	0.062	0.090 #
6) d-BHC	6.625	7.315	6011	6673	0.043	0.055
7) Aldrin	0.000	7.635	0	3424	N.D.	0.026 #
8) Heptachlo...	7.517	8.078	7017	3816	0.045	0.032
9) trans-Chl...	7.612	8.218	18492	18128	0.118	0.150
10) cis-Chlor...	7.707	8.327	22288	17339	0.142	0.150
11) Endosulfa...	7.811	8.379	5041	3776	0.035	0.035
12) 4,4'-DDE	7.770	0.000	6165	0	0.043	N.D. #
13) Dieldrin	0.000	8.582	0	5343	N.D.	0.045 #
14) Endrin	8.175f	8.811	6079	4003	0.049	0.046
15) 4,4'-DDD	8.175f	8.854	6079	7559	0.050	0.080 #
16) Endosulfa...	8.312	8.960	8281	7057	0.068	0.077
17) 4,4'-DDT	0.000	9.080	0	3933	N.D.	0.143 #
18) Endrin Al...	8.605	9.198	13383	10273	BelowCal	3407.080
19) Endosulfa...	8.909	9.390	12368	9400	0.103	0.112
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.107	9.793	11488	9390	0.080	0.098
23) Hexachlor...	3.350	3.749	6438	8269	2108.665	838.027 #
24) Hexachlor...	5.943	6.529	4412	3003	BelowCal	2197.601
25) Oxychlorane	7.438	0.000	5998	0	BelowCal	N.D.
26) 2,4'-DDE	7.517	8.218	7017	18128	BelowCal	0.003
27) trans-Non...	7.707	8.282	22288	13884	BelowCal	1953.437
28) 2,4'-DDD	0.000	8.582	0	5343	N.D.	3167.807 #
29) 2,4'-DDT	8.053f	8.811	6450	4003	0.086	0.075
30) cis-Nonac...	8.175	8.854	6079	7559	BelowCal	2549.495
31) Mirex	0.000	9.793	0	9390	N.D.	3567.390 #
32) Chlordane...	7.612	8.218	18492	18128	1.048	1.253
33) Chlordane...	7.707	8.327	22288	17339	1.076	1.403
34) Chlordane...	8.263	9.005	5293	33720	0.995	5.035 #
35) Chlordane...	0.000	3.824f	0	10786	N.D.	NoCal
36) Toxaphene...	7.707f	8.582f	22288	5343	26.775	4.770 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.312	8.960	8281	7057	2.662	3.251
39) Toxaphene...	8.516f	9.005	41614	33720	8.831	0.737 #
40) Toxaphene...	0.000	9.198	0	10273	N.D.	2.410 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	3.824f	0	10786	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\2020-04\0D10031\
Data File : ECD3-04102034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 20:40
Operator : MJB
Sample : 0D10031-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: Apr 13 14:37:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 20:57
 Operator : MJB
 Sample : OD10031-ICV3
 Misc : A19K312, CHLOR 500 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: Apr 13 14:37:52 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.070	0	14344	N.D.	1883.988 #
22) S DCBP (S)	9.814	0.000	15678	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.092	6.696f	6776	162316	0.033	1.034 #
3) g-BHC	6.405	6.998	17847	91391	0.103	0.678 #
4) b-BHC	6.492f	7.049	117626	27631	1.724	0.450 #
5) Heptachlor	6.803	7.367	4581465	3270284	27.979	28.889
6) d-BHC	6.609	7.299	73044	31910	0.520	0.261 #
7) Aldrin	7.053	7.643	69620	52269	0.415	0.393
8) Heptachlo...	7.522	8.097	712478	212519	4.556	1.806 #
9) trans-Chl...	7.612	8.218	9630684	7867683	61.202	65.236
10) cis-Chlor...	7.706	8.327	10999153	6304783	70.072	54.433
11) Endosulfa...	7.826	8.399	266238	117356	1.855	1.091 #
12) 4,4'-DDE	7.765	8.450	307977	208140	2.135	1.808
13) Dieldrin	7.996	8.581	334534	532579	2.082	4.448 #
14) Endrin	8.137	8.806	176342	173697	1.429	2.009 #
15) 4,4'-DDD	8.175f	8.854	1747460	1287037	14.394	13.639
16) Endosulfa...	8.311	8.970	208649	151286	1.724	1.649
17) 4,4'-DDT	8.438f	9.092	528994	60376	6.171	1.174 #
18) Endrin Al...	8.626f	9.229f	65548	366027	0.413	4.321 #
19) Endosulfa...	8.912	9.419f	123071	41408	1.022	0.492 #
20) Methoxychlor	8.725	9.566	60407	11615	1.509	0.495 #
21) Endrin Ke...	9.096	9.794	18705	72246	0.130	0.755 #
23) Hexachlor...	3.361f	0.000	5671	0	2108.669	N.D. #
24) Hexachlor...	5.933	6.504f	8444	18698	BelowCal	2197.457
25) Oxychlorane	7.435	8.020	114190	127474	0.683	1.073 #
26) 2,4'-DDE	7.522	8.218	712478	7867683	7.699	106.774 #
27) trans-Non...	7.706	8.283	10999153	5939785	76.070	55.152
28) 2,4'-DDD	7.863f	8.581	787639	532579	9.455	7.726
29) 2,4'-DDT	8.106f	8.806	269279	173697	3.577	3.238
30) cis-Nonac...	8.175	8.854	1747460	1287037	11.192	10.874
31) Mirex	8.840	9.794	20621	72246	7125.676	0.653 #
32) Chlordane...	7.612	8.218	9630684	7867683	545.633	543.828 #
33) Chlordane...	7.706	8.327	10999153	6304783	530.795	510.039
34) Chlordane...	8.263	8.996	2929630	2073139	550.608	571.407
35) Chlordane...	0.000	3.828f	0	4511	N.D.	NoCal
36) Toxaphene...	7.706f	8.581f	10999153	532579	13213.540	475.525 #
37) Toxaphene...	7.996	8.911	334534	215476	222.011	157.966
38) Toxaphene...	8.311	8.947	208649	176996	67.082	81.552
39) Toxaphene...	8.543	8.996	136735	2073139	42.768	639.229 #
40) Toxaphene...	8.753	9.168	63337	46525	26.893	22.442
41) Toxaphene...	8.840	9.566	20621	11615	6.798	5.739
42) Toxaphene...	0.000	3.828f	0	4511	N.D.	NoCal

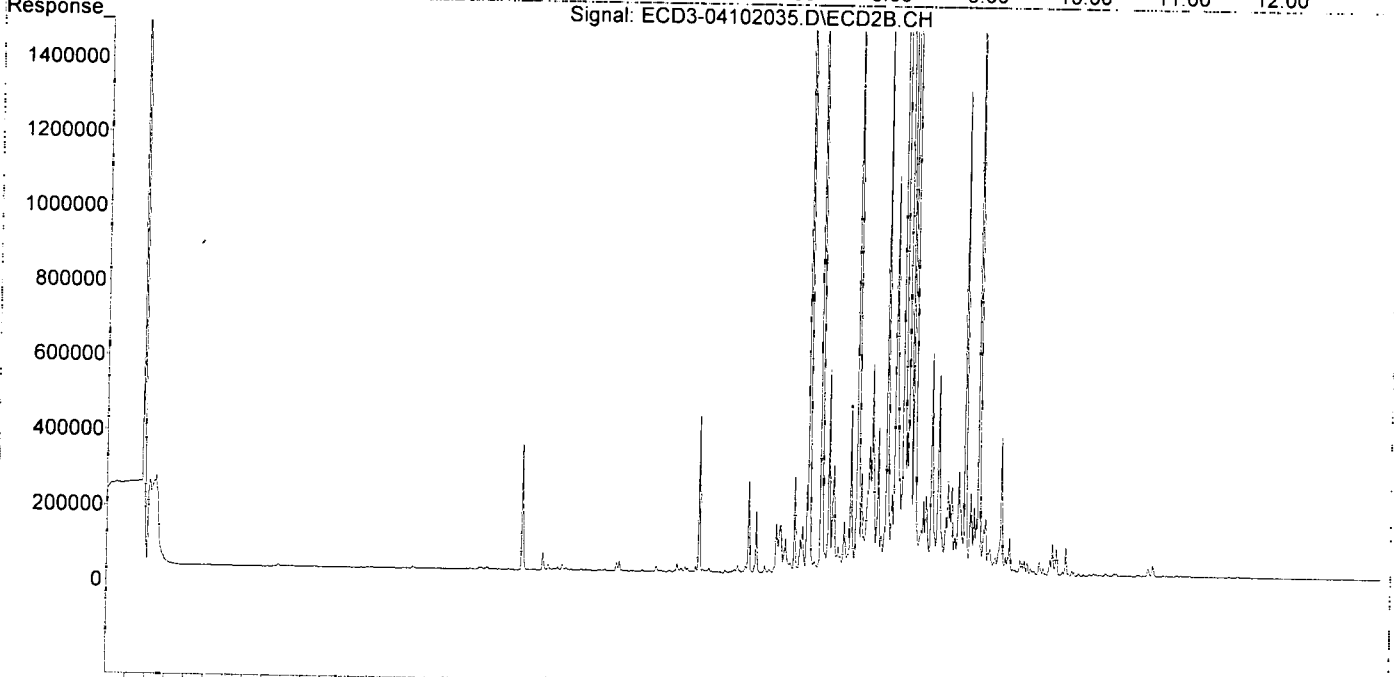
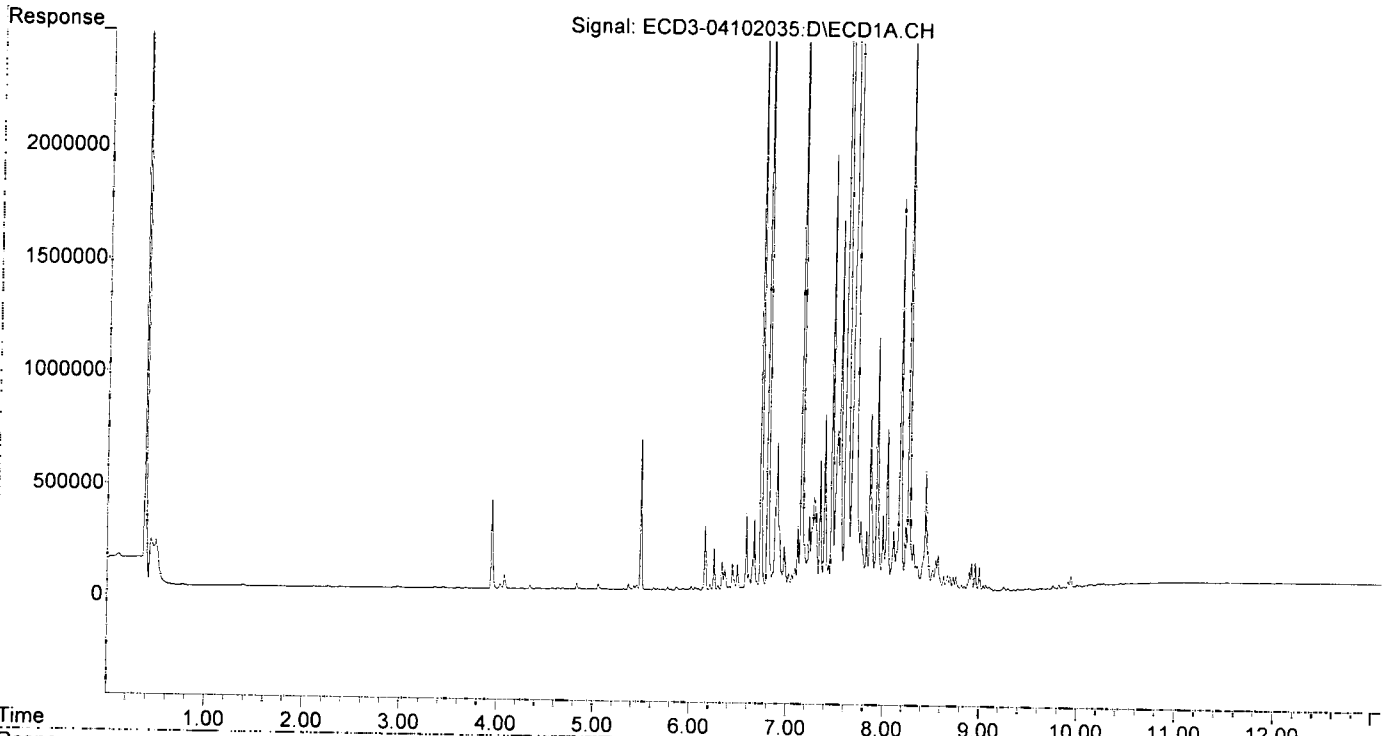
542.35 541.76

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
Data File : ECD3-04102035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 20:57
Operator : MJB
Sample : 0D10031-ICV3
Misc : A19K312, CHLOR 500 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: Apr 13 14:37:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 23:13
 Operator : MJB
 Sample : OD10031-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: Apr 13 14:37:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

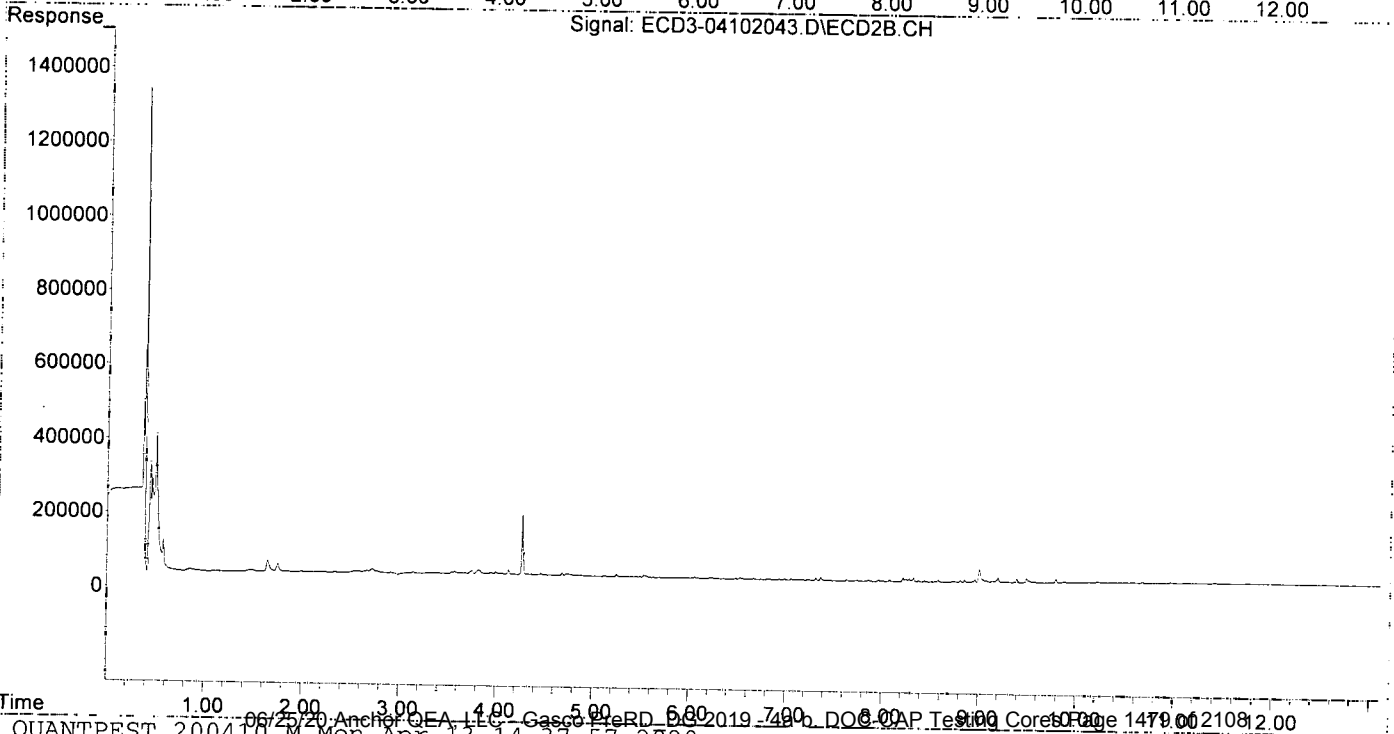
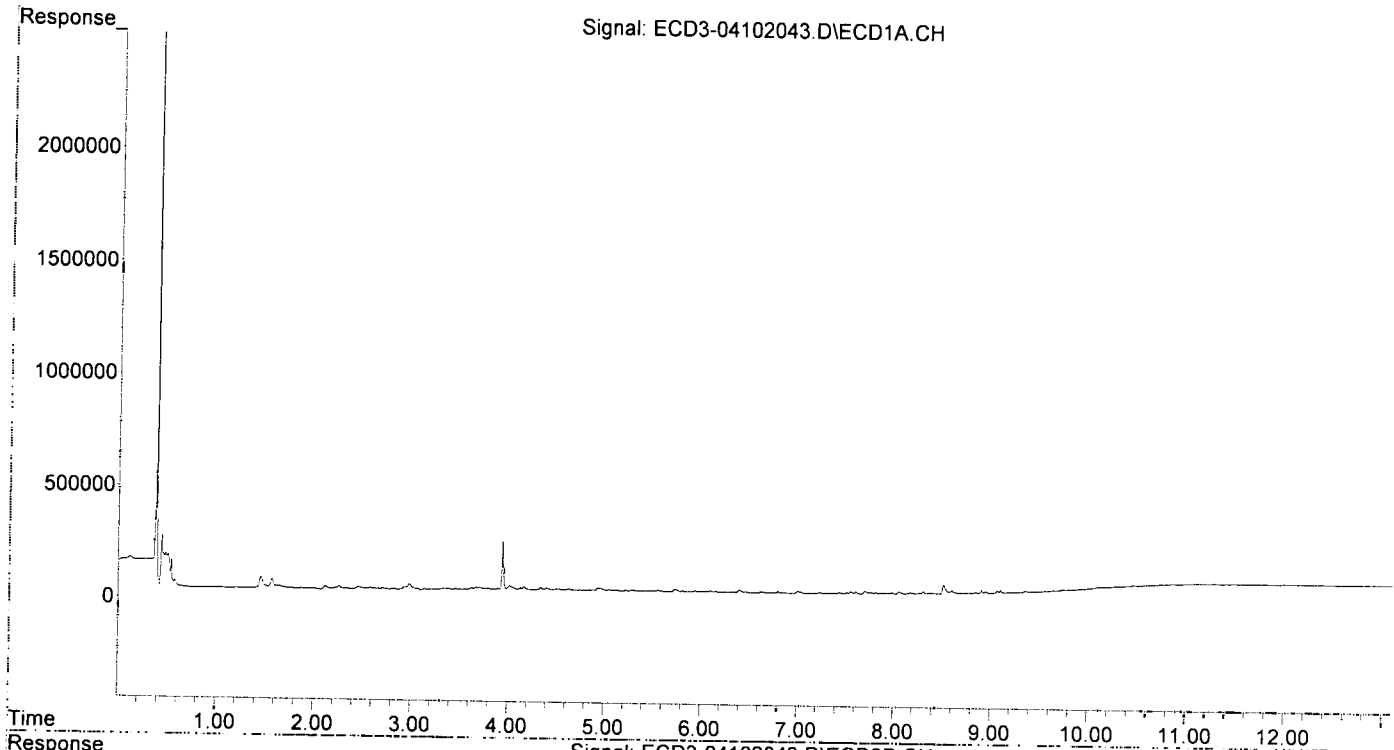
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.557	6.057	5422	3396	0.037	1884.084 #
22) S DCBP (S)	9.802	0.000	3539	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.101	6.668	6919	4023	0.034	0.026
3) g-BHC	6.397	6.989	8499	3669	0.049	0.027 #
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.802	7.366	6636	7495	0.041	0.066 #
6) d-BHC	6.624	7.313	3511	6266	0.025	0.051 #
7) Aldrin	0.000	7.634	0	3281	N.D.	0.025 #
8) Heptachlo...	7.515	8.077	6673	3934	0.043	0.033
9) trans-Chl...	7.610	8.217	10178	9909	0.065	0.082
10) cis-Chlor...	7.706	8.325	12570	9945	0.080	0.086
11) Endosulfa...	7.810	8.378	6170	3559	0.043	0.033
12) 4,4'-DDE	7.769	0.000	6577	0	0.046	N.D. #
13) Dieldrin	7.982	8.581	6698	5025	0.042	0.042
14) Endrin	8.174	8.809	5309	4637	0.043	0.054
15) 4,4'-DDD	8.174f	8.852	5309	6071	0.044	0.064 #
16) Endosulfa...	8.309	8.959	9230	6477	0.076	0.071
17) 4,4'-DDT	0.000	9.079	0	3742	N.D.	0.139 #
18) Endrin Al...	8.603	9.197	12901	10746	BelowCal	3407.074
19) Endosulfa...	8.908	9.389	12299	8997	0.102	0.107
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.105	9.791	11553	9511	0.080	0.099
23) Hexachlor...	0.000	3.747	0	7719	N.D.	838.030 #
24) Hexachlor...	5.941	6.527	4399	3193	BelowCal	2197.599
25) Oxychlorane	7.437	0.000	6516	0	BelowCal	N.D.
26) 2,4'-DDE	7.515	8.217	6673	9909	BelowCal	2144.855
27) trans-Non...	7.706	8.280	12570	7484	BelowCal	1953.495
28) 2,4'-DDD	0.000	8.581	0	5025	N.D.	3167.811 #
29) 2,4'-DDT	8.052f	8.809	7382	4637	0.098	0.086
30) cis-Nonac...	8.174	8.852	5309	6071	BelowCal	2549.507
31) Mirex	8.847	9.791	4198	9511	7125.842	3567.388 #
32) Chlordane...	7.610	8.217	10178	9909	0.577	0.685
33) Chlordane...	7.706	8.325	12570	9945	0.607	0.805
34) Chlordane...	0.000	9.005	0	33185	N.D.	4.887 #
35) Chlordane...	0.000	3.822f	0	10371	N.D.	NoCal
36) Toxaphene...	7.706f	8.581f	12570	5025	15.101	4.487 #
37) Toxaphene...	7.982	0.000	6698	0	4.445	N.D. #
38) Toxaphene...	8.309	8.959	9230	6477	2.967	2.984
39) Toxaphene...	8.516f	9.005	39923	33185	8.227	0.565 #
40) Toxaphene...	0.000	9.197	0	10746	N.D.	2.672 #
41) Toxaphene...	8.847	0.000	4198	0	1.384	N.D. #
42) Toxaphene...	0.000	3.822f	0	10371	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\2020-04\0D10031\
Data File : ECD3-04102043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 23:13
Operator : MJB
Sample : 0D10031-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: Apr 13 14:37:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 23:30
 Operator : MJB
 Sample : OD10031-ICV4
 Misc : A19J422, TOX 500 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: Apr 13 14:38:00 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.067	0	12686	N.D.	1884.002 #
22) S DCBP (S)	9.797	10.651f	32572	22426	0.071	0.089
Target Compounds						
2) a-BHC	6.095	6.670	5011	6638	0.025	0.042 #
3) g-BHC	6.397	6.974	7944	12099	0.046	0.090 #
4) b-BHC	6.458	7.039	16411	18340	0.241	0.299 #
5) Heptachlor	6.804	7.367	26012	28764	0.159	0.254 #
6) d-BHC	6.638	7.309	16214	26494	0.116	0.217 #
7) Aldrin	7.044	7.662f	57262	63748	0.342	0.480 #
8) Heptachlo...	7.517	8.069	155890	198330	0.997	1.685 #
9) trans-Chl...	7.628	8.198f	317293	218076	2.016	1.808
10) cis-Chlor...	7.735f	8.351	351246	231175	2.238	1.996
11) Endosulfa...	7.813	8.382	520398	277328	3.626	2.579
12) 4,4'-DDE	7.735f	8.448	351246	337739	2.435	2.933
13) Dieldrin	7.982	8.596	751689	338844	4.677	2.830
14) Endrin	8.173	8.803	1085084	590357	8.796	6.829
15) 4,4'-DDD	8.212	8.855	737102	415783	6.071	4.406
16) Endosulfa...	8.298	8.942f	1657841	1121069	13.695	12.223
17) 4,4'-DDT	8.380	9.073	1471030	438558	16.577	7.969 #
18) Endrin Al...	8.588	9.188	1115545	1006060	10.623	12.328
19) Endosulfa...	8.910	9.390	616228	420916	5.116	5.000
20) Methoxychlor	8.740	9.572	566076	1062498	13.478	38.051 #
21) Endrin Ke...	9.097	9.815	424511	216557	2.947	2.263
23) Hexachlor...	3.335	3.730	5034	5437	2108.673	838.044 #
24) Hexachlor...	0.000	6.526	0	4077	N.D.	2197.591 #
25) Oxychlorane	7.443	8.019	342635	184254	2.448	1.648
26) 2,4'-DDE	7.517	8.198	155890	218076	1.545	2.591 #
27) trans-Non...	7.684	8.292	414776	224827	2.690	1.819
28) 2,4'-DDD	7.900	8.596	581540	338844	6.926	4.805
29) 2,4'-DDT	8.088	8.825	932013	336018	12.381	6.264 #
30) cis-Nonac...	8.173	8.855	1085084	415783	6.874	3.343 #
31) Mirex	8.840	9.815f	1623067	216557	16.063	2.785 #
32) Chlordane...	7.628	8.198f	317293	218076	17.976	15.074
33) Chlordane...	7.684f	8.351f	414776	231175	20.016	18.701
34) Chlordane...	8.238f	9.010	717963	1803266	134.937	496.518 #
35) Chlordane...	0.000	3.828f	0	3988	N.D.	NoCal
36) Toxaphene...	7.684	8.557	414776	574937	498.280	513.345
37) Toxaphene...	7.982	8.906	751689	722451	498.853	529.631
38) Toxaphene...	8.298	8.942	1657841	1121069	533.005	516.540
39) Toxaphene...	8.540	9.010	1556043	1803266	535.746	556.379
40) Toxaphene...	8.772	9.188	1286347	1006060	546.190	545.230
41) Toxaphene...	8.840	9.572	1623067	1062498	535.058	524.951
42) Toxaphene...	0.000	3.828f	0	3988	N.D.	NoCal

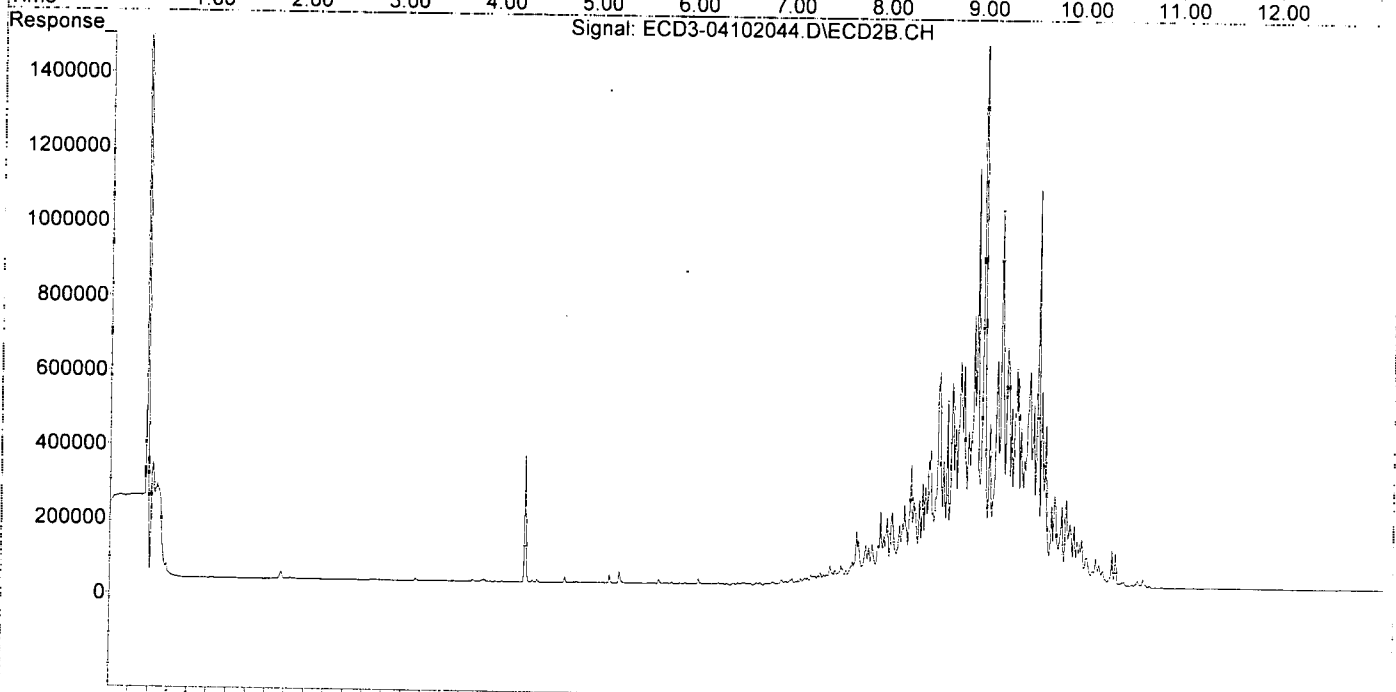
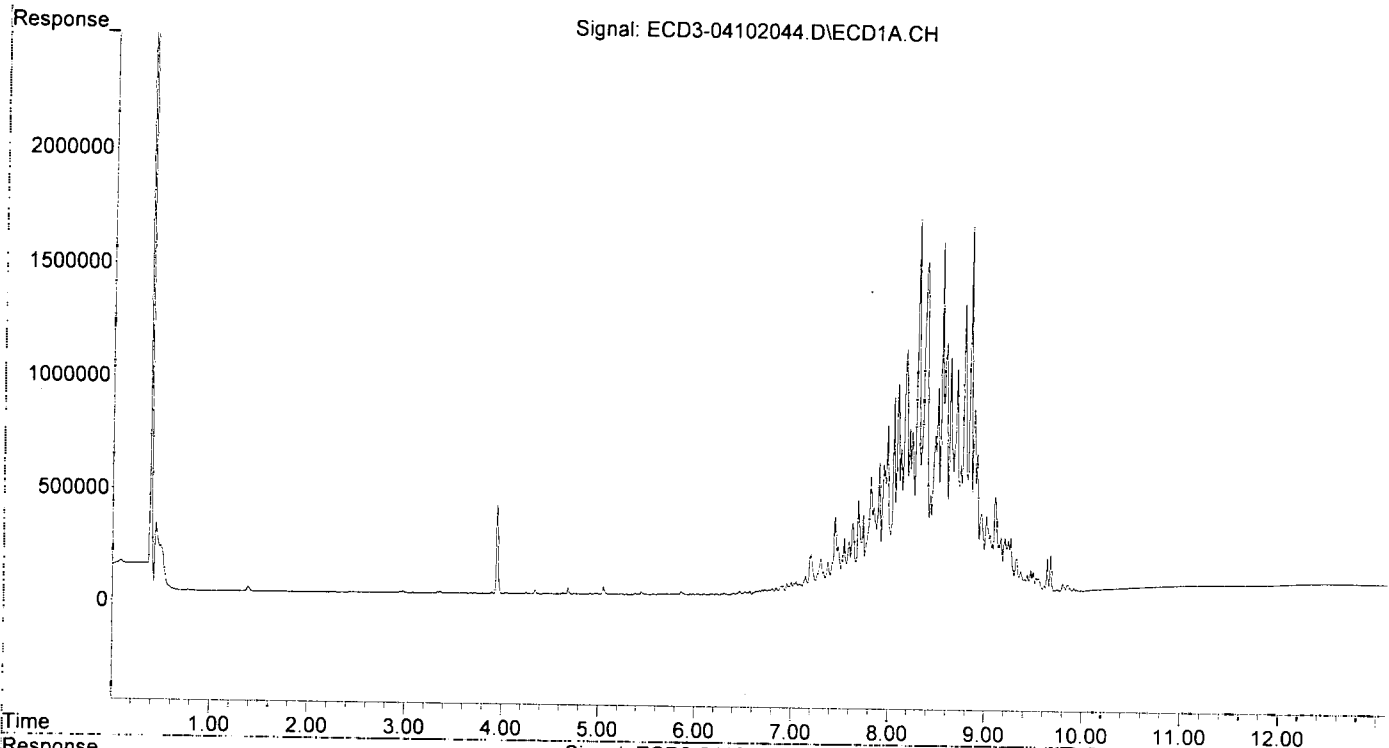
524.52 531.01

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
Data File : ECD3-04102044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 23:30
Operator : MJB
Sample : 0D10031-ICV4
Misc : A19J422, TOX 500 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: Apr 13 14:38:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:22
 Operator : MJB
 Sample : 0D10031-CAL1
 Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

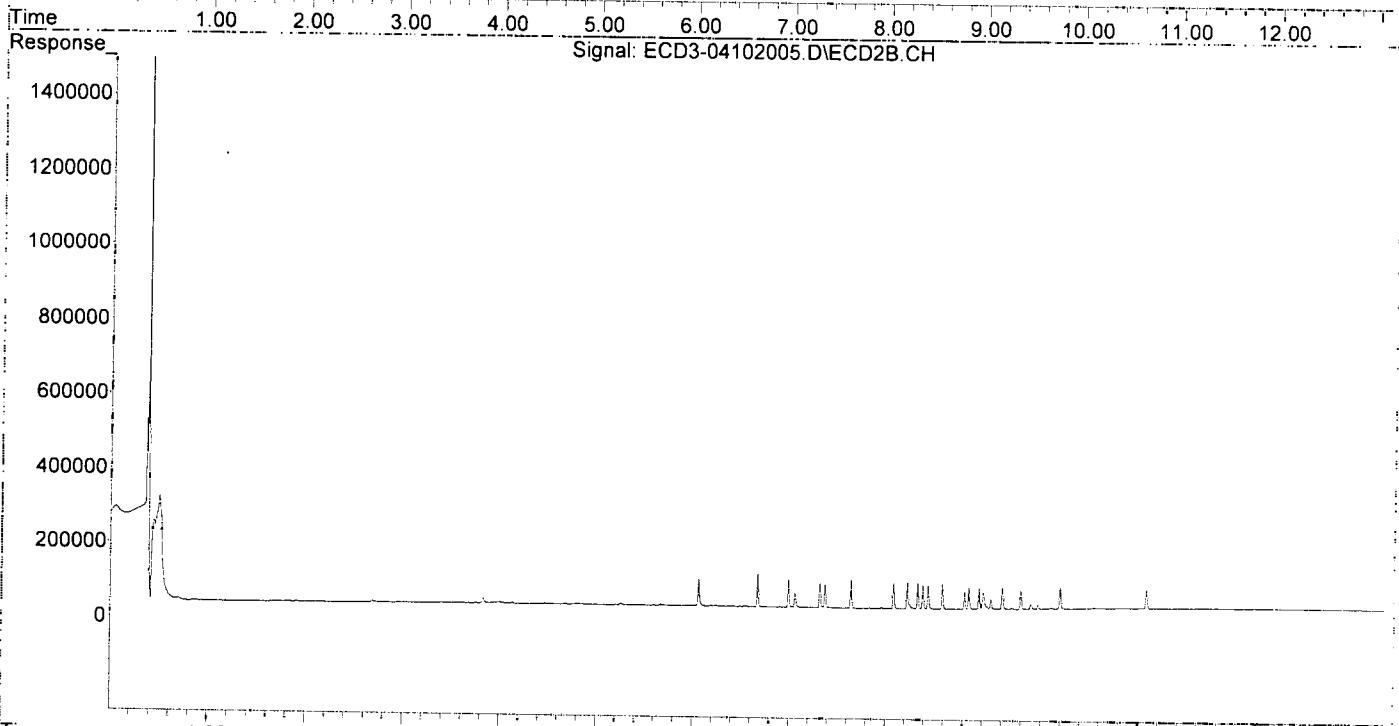
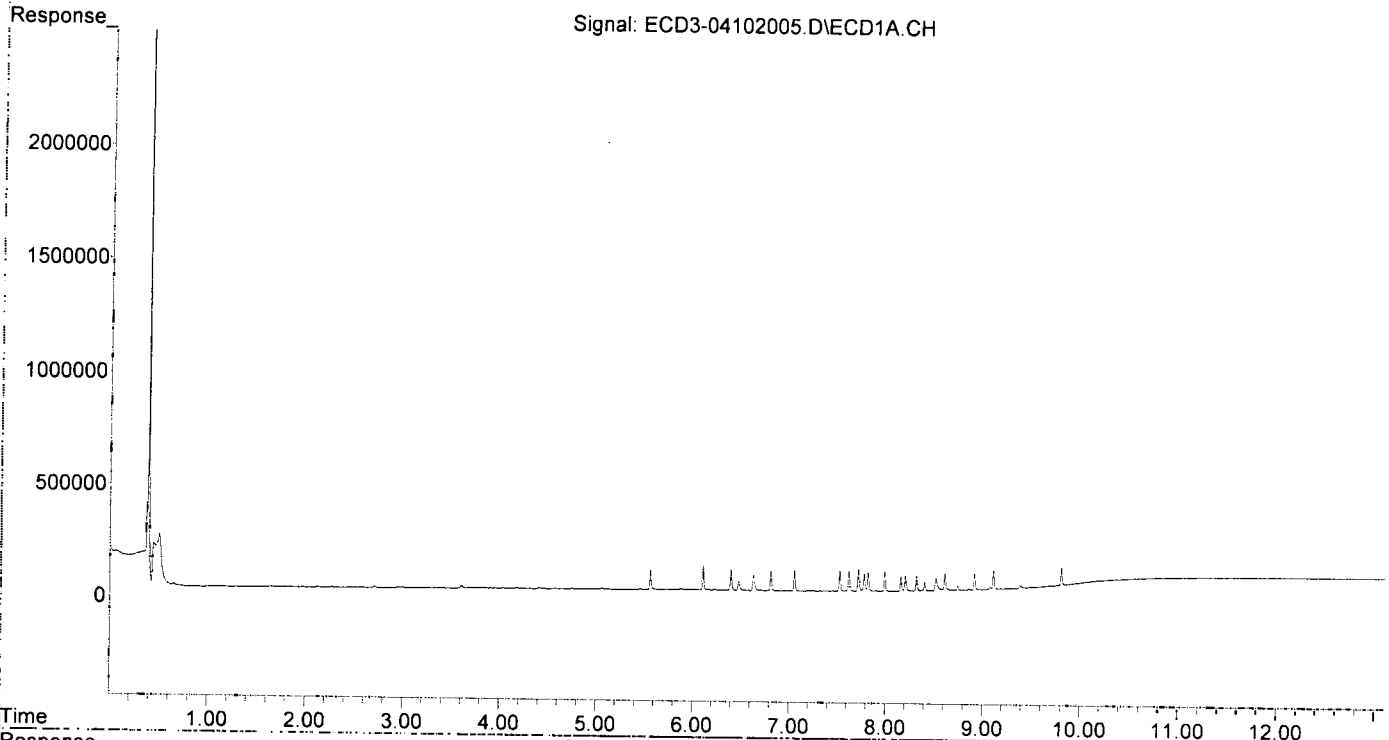
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.561	6.060	85749	73007	0.579	0.504
22) S DCBP (S)	9.806	10.678	78745	50449	0.493	0.505
Target Compounds						
2) a-BHC	6.107	6.672	106090	87452	0.524	0.557
3) g-BHC	6.394	6.993	91195	75918	0.528	0.564
4) b-BHC	6.474	7.059	37211	37170	0.545	0.605
5) Heptachlor	6.809	7.371	88422	63633	0.540	0.562
6) d-BHC	6.628	7.317	66268	66365	0.472	0.543
7) Aldrin	7.054	7.640	92070	76126	0.549	0.573
8) Heptachlo...	7.520	8.081	91327	69830	0.584	0.593
9) trans-Chl...	7.617	8.222	87797	71156	0.558	0.590
10) cis-Chlor...	7.714	8.330	98925	70102	0.630	0.605
11) Endosulfa...	7.815	8.382	82435	65843	0.574	0.612
12) 4,4'-DDE	7.774	8.437	76638	64334	0.531	0.559
13) Dieldrin	7.988	8.584	86632	68980	0.539	0.576
14) Endrin	8.155	8.813	63369	47079	0.514	0.545
15) 4,4'-DDD	8.201	8.857	67675	58722	0.557	0.622
16) Endosulfa...	8.315	8.962	67076	55230	0.554	0.602
17) 4,4'-DDT	8.399	9.084	37407	24779	0.528	0.524
18) Endrin Al...	8.608	9.201	73553	58732	0.491	0.490
19) Endosulfa...	8.913	9.392	72456	50159	0.601	0.596
20) Methoxychlor	8.738	9.568	19411	11909	0.512	0.506
21) Endrin Ke...	9.110	9.796	83435	57366	0.579	0.600
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) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.520	8.222	91327	71156	0.829	0.689
27) trans-Non...	7.714	0.000	98925	0	0.483	N.D. #
28) 2,4'-DDD	0.000	8.584	0	68980	N.D.	0.746 #
29) 2,4'-DDT	0.000	8.813	0	47079	N.D.	0.878 #
30) cis-Nonac...	8.201f	8.857	67675	58722	0.231	0.270
31) Mirex	0.000	9.796	0	57366	N.D.	0.433 #
32) Chlordane...	7.617	8.222	87797	71156	4.974	4.918
33) Chlordane...	7.714	8.330	98925	70102	4.774	5.671
34) Chlordane...	0.000	9.004	0	43849	N.D.	7.851 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.714f	8.584f	98925	68980	118.841	61.590 #
37) Toxaphene...	7.988	0.000	86632	0	57.493	N.D. #
38) Toxaphene...	8.315	8.962f	67076	55230	21.565	25.447
39) Toxaphene...	8.516f	9.004	52208	43849	12.617	3.981 #
40) Toxaphene...	8.738f	9.201	19411	58732	8.242	29.183 #
41) Toxaphene...	0.000	9.568	0	11909	N.D.	5.884 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 12:39:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:39
 Operator : MJB
 Sample : 0D10031-CAL2
 Misc : A20D134, AB 1 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: Apr 13 12:40:07 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

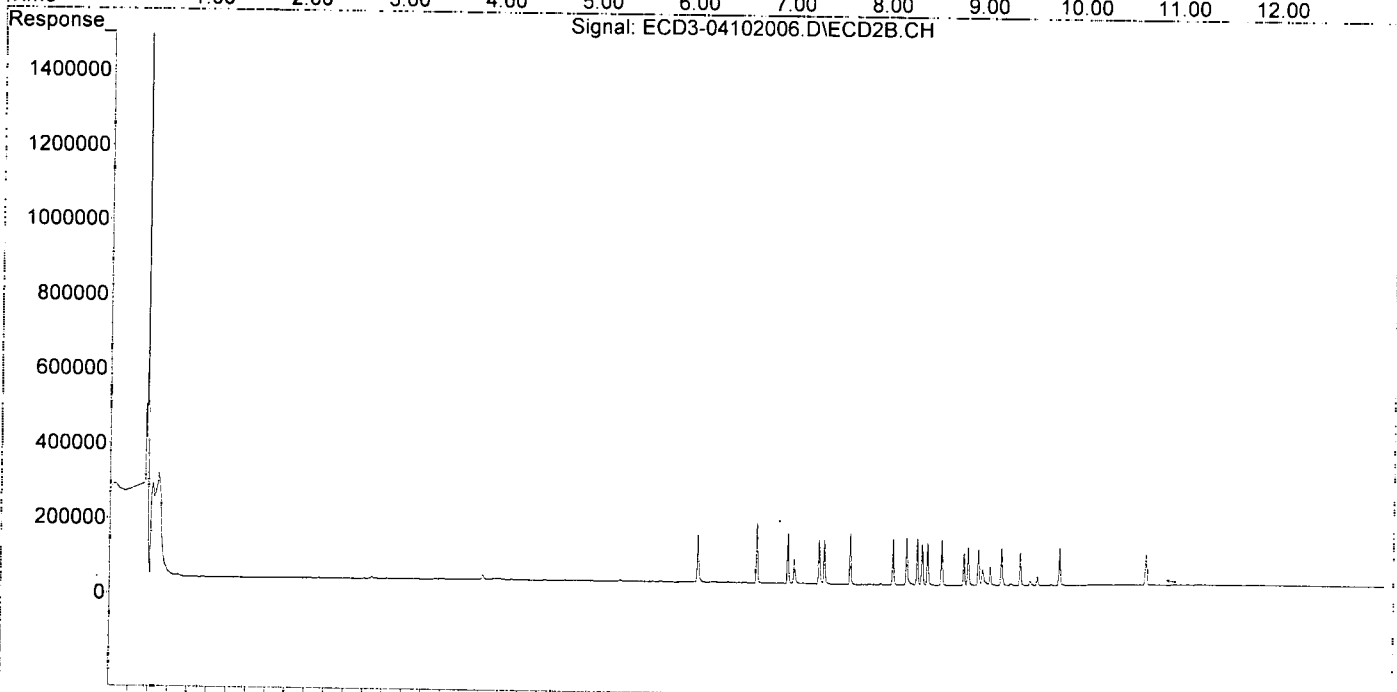
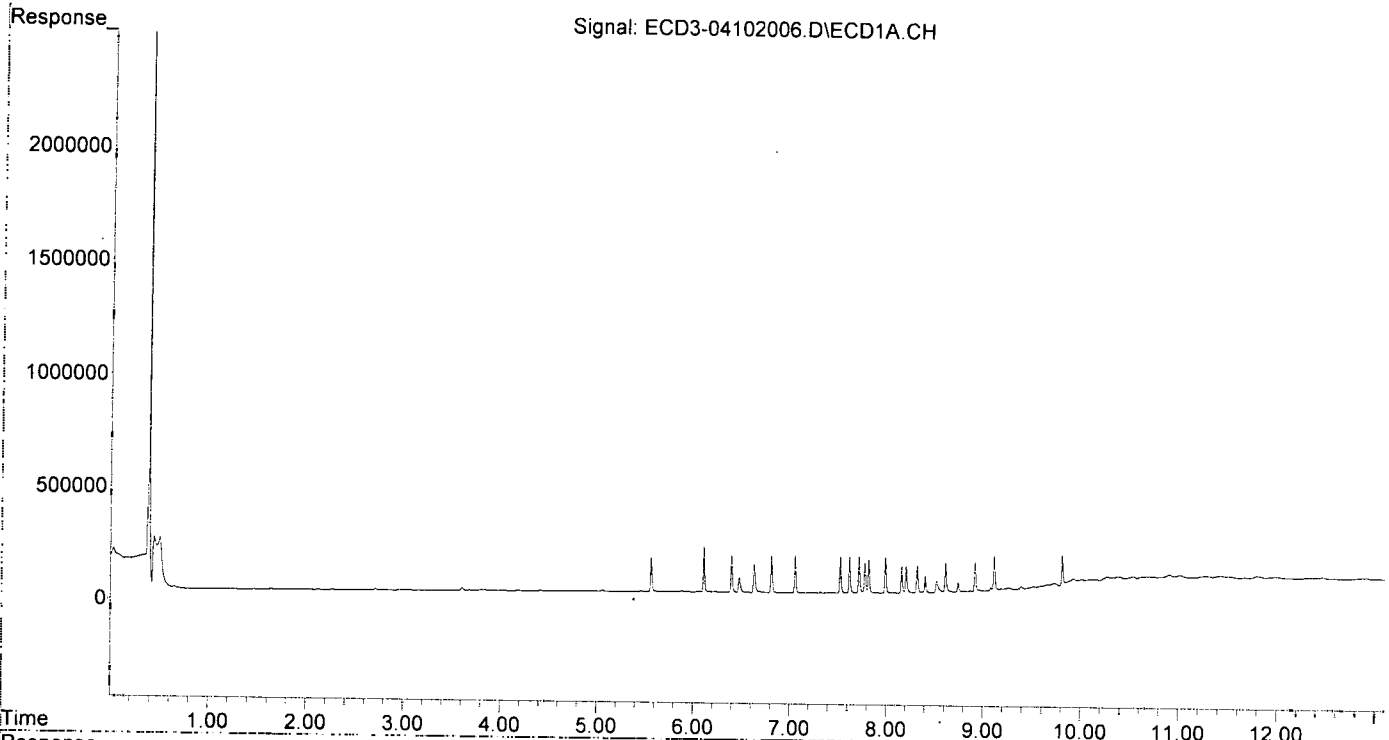
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.061	150599	127191	1.017	0.980
2) S DCBP (S)	9.808	10.679	135418	81619	1.011	0.967
Target Compounds						
2) a-BHC	6.107	6.672	198771	160189	0.983	1.020
3) g-BHC	6.394	6.994	162951	137359	0.944	1.020
4) b-BHC	6.474	7.060	66101	66254	0.969	1.079
5) Heptachlor	6.809	7.371	162313	116127	0.991	1.026
6) d-BHC	6.628	7.317	123295	118368	0.878	0.968
7) Aldrin	7.054	7.640	165393	136778	0.987	1.029
8) Heptachlo...	7.521	8.082	160396	122009	1.026	1.037
9) trans-Chl...	7.617	8.223	160412	126502	1.019	1.049
10) cis-Chlor...	7.715	8.331	162363	124533	1.034	1.075
11) Endosulfa...	7.816	8.383	145356	110124	1.013	1.024
12) 4,4'-DDE	7.775	8.438	132356	115967	0.918	1.007
13) Dieldrin	7.988	8.585	160736	120867	1.000	1.009
14) Endrin	8.156	8.815	118800	86799	0.963	1.004
15) 4,4'-DDD	8.202	8.858	118335	101471	0.975	1.075
16) Endosulfa...	8.316	8.964	119697	95182	0.989	1.038
17) 4,4'-DDT	8.400	9.085	73450	49721	0.947	0.980
18) Endrin Al...	8.609	9.203	127313	100085	1.014	1.005
19) Endosulfa...	8.913	9.393	126416	88344	1.049	1.049
20) Methoxychlor	8.739	9.568	39011	24923	0.989	1.010
21) Endrin Ke...	9.111	9.797	152949	100622	1.062	1.052
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) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.521	8.223	160396	126502	1.595	1.405
27) trans-Non...	7.715	0.000	162363	0	0.926	N.D. #
28) 2,4'-DDD	0.000	8.585	0	120867	N.D.	1.525 #
29) 2,4'-DDT	0.000	8.815	0	86799	N.D.	1.618 #
30) cis-Nonac...	8.202f	8.858	118335	101471	0.562	0.637
31) Mirex	0.000	9.797	0	100622	N.D.	1.072 #
32) Chlordane...	7.617	8.223	160412	126502	9.088	8.744
33) Chlordane...	7.715	8.331	162363	124533	7.835	10.074
34) Chlordane...	0.000	9.006	0	41216	N.D.	7.119 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.715f	8.585f	162363	120867	195.050	107.918 #
37) Toxaphene...	7.988	0.000	160736	0	106.671	N.D. #
38) Toxaphene...	8.316	8.964f	119697	95182	38.483	43.856
39) Toxaphene...	8.517f	9.006	48313	41216	11.225	3.138 #
40) Toxaphene...	8.739f	9.203	39011	100085	16.564	52.000 #
41) Toxaphene...	0.000	9.568	0	24923	N.D.	12.314 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:39
Operator : MJB
Sample : 0D10031-CAL2
Misc : A20D134, AB 1 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: Apr 13 12:40:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:56
 Operator : MJB
 Sample : 0D10031-CAL3
 Misc : A20C179, AB 2 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: Apr 13 12:40:23 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

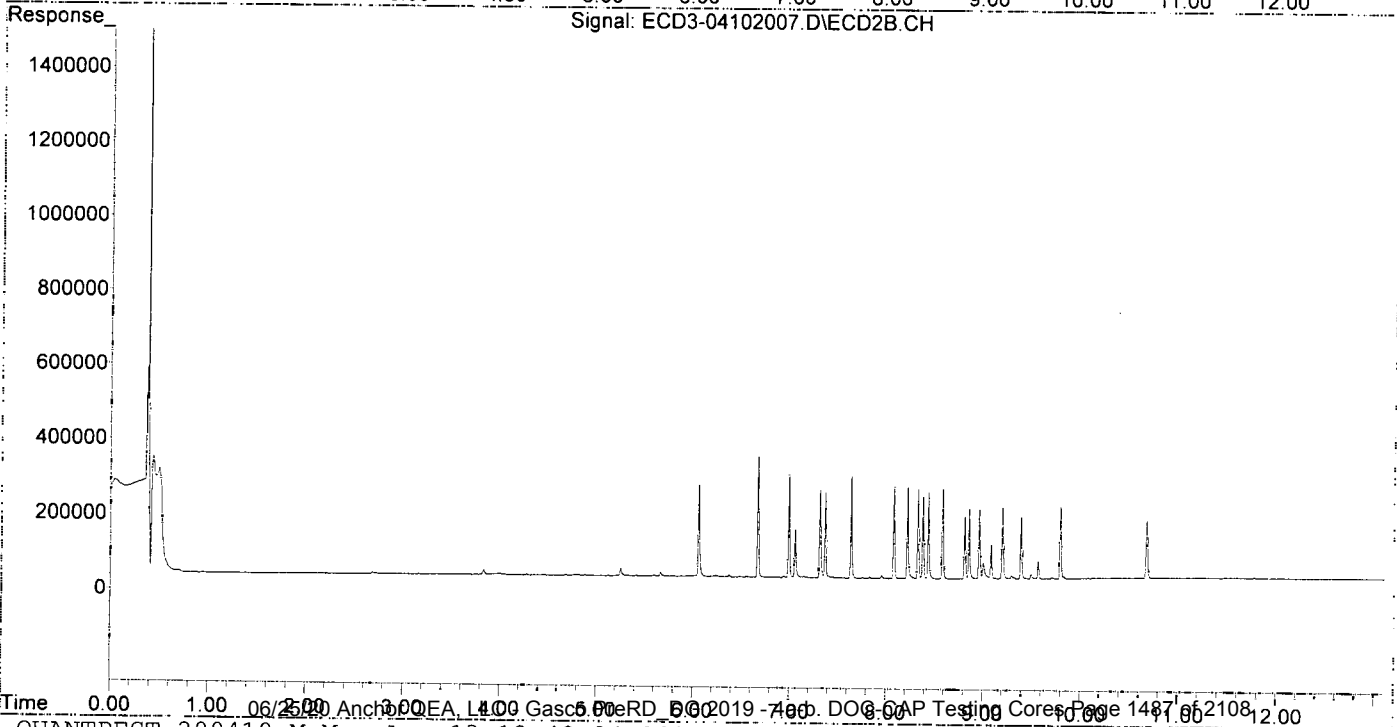
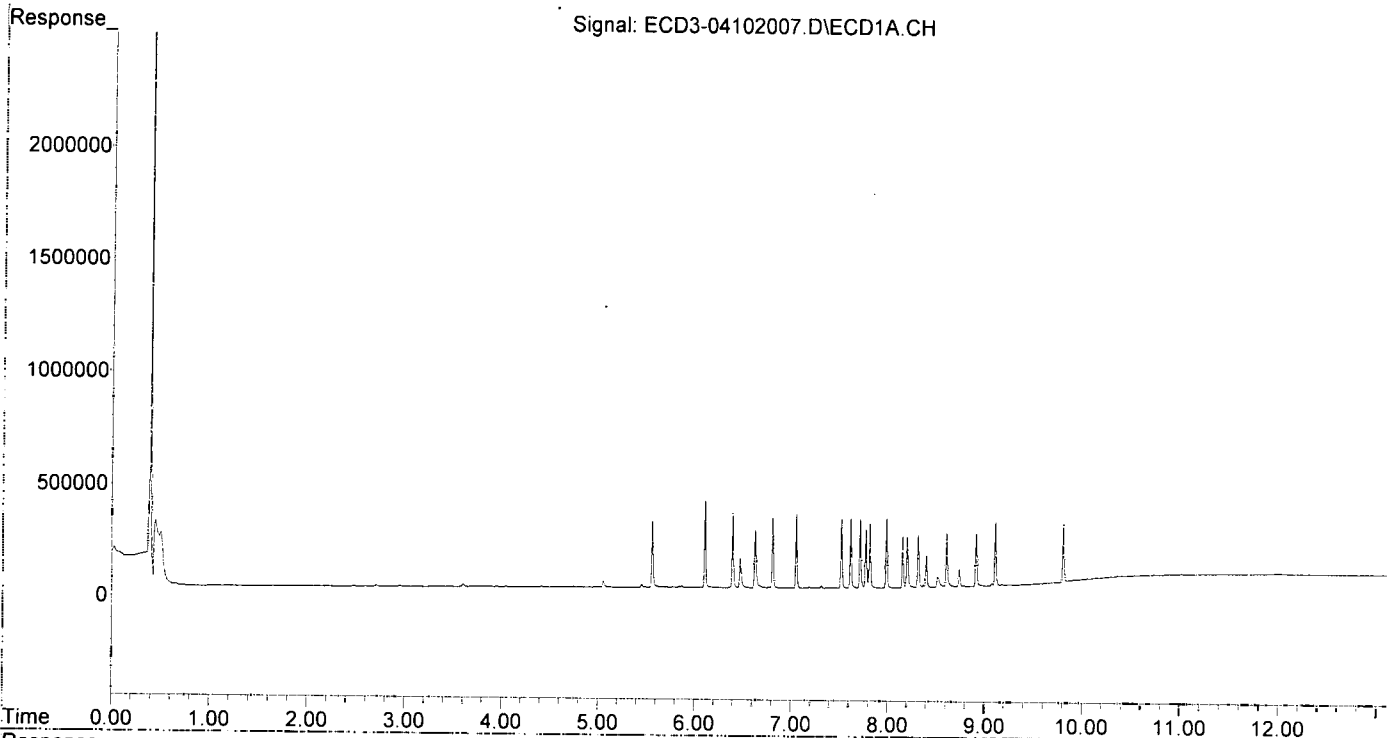
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.061	294629	242169	1.989	1.992
22) S DCBP (S)	9.807	10.679	249594	153175	2.054	2.029
Target Compounds						
2) a-BHC	6.107	6.673	386030	318129	1.908	2.027
3) g-BHC	6.395	6.994	330735	271046	1.915	2.012
4) b-BHC	6.473	7.059	133460	127912	1.956	2.083
5) Heptachlor	6.809	7.371	311735	223319	1.904	1.973
6) d-BHC	6.628	7.317	258031	234036	1.838	1.915
7) Aldrin	7.054	7.640	330949	268918	1.974	2.024
8) Heptachlo...	7.521	8.082	311852	241069	1.994	2.048
9) trans-Chl...	7.617	8.223	308851	240690	1.963	1.996
10) cis-Chlor...	7.714	8.331	309955	235252	1.975	2.031
11) Endosulfa...	7.815	8.382	284291	219822	1.981	2.044
12) 4,4'-DDE	7.774	8.438	264579	230910	1.834	2.005
13) Dieldrin	7.988	8.585	311986	236771	1.941	1.977
14) Endrin	8.155	8.814	233183	167127	1.890	1.933
15) 4,4'-DDD	8.201	8.857	229102	184447	1.887	1.955
16) Endosulfa...	8.315	8.963	233441	182611	1.928	1.991
17) 4,4'-DDT	8.399	9.085	145442	89330	1.782	1.701
18) Endrin Al...	8.608	9.202	237806	191739	2.089	2.147
19) Endosulfa...	8.913	9.393	233112	166426	1.935	1.977
20) Methoxychlor	8.739	9.568	74306	46818	1.846	1.855
21) Endrin Ke...	9.110	9.797	285336	188983	1.981	1.975
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) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.521	8.223	311852	240690	3.272	2.884
27) trans-Non...	7.714	0.000	309955	0	1.958	N.D. #
28) 2,4'-DDD	0.000	8.585	0	236771	N.D.	3.269 #
29) 2,4'-DDT	0.000	8.814	0	167127	N.D.	3.116 #
30) cis-Nonac...	8.201f	8.857	229102	184447	1.286	1.351
31) Mirex	0.000	9.797	0	188983	N.D.	2.378 #
32) Chlordane...	7.617	8.223	308851	240690	17.498	16.637
33) Chlordane...	7.714	8.331	309955	235252	14.958	19.031
34) Chlordane...	0.000	9.006	0	41993	N.D.	7.335 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.714f	8.585f	309955	236771	372.356	211.406 #
37) Toxaphene...	7.988	0.000	311986	0	207.047	N.D. #
38) Toxaphene...	8.315	8.963f	233441	182611	75.052	84.139
39) Toxaphene...	8.517f	9.006	46637	41993	10.627	3.387 #
40) Toxaphene...	8.739f	9.202	74306	191739	31.551	102.474 #
41) Toxaphene...	0.000	9.568	0	46818	N.D.	23.132 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:56
Operator : MJB
Sample : 0D10031-CAL3
Misc : A20C179, AB 2 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: Apr 13 12:40:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 13:14
 Operator : MJB
 Sample : 0D10031-CAL4
 Misc : A20C180, AB 5 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: Apr 13 12:40:46 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

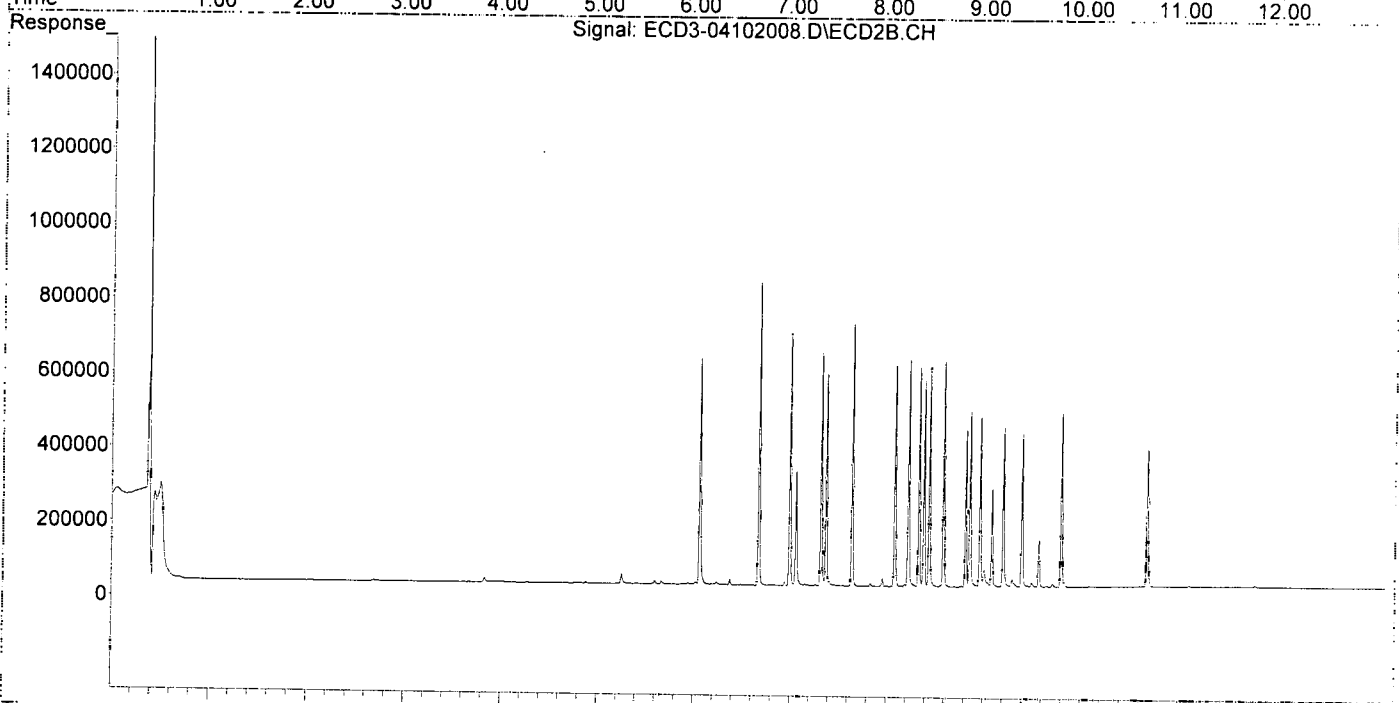
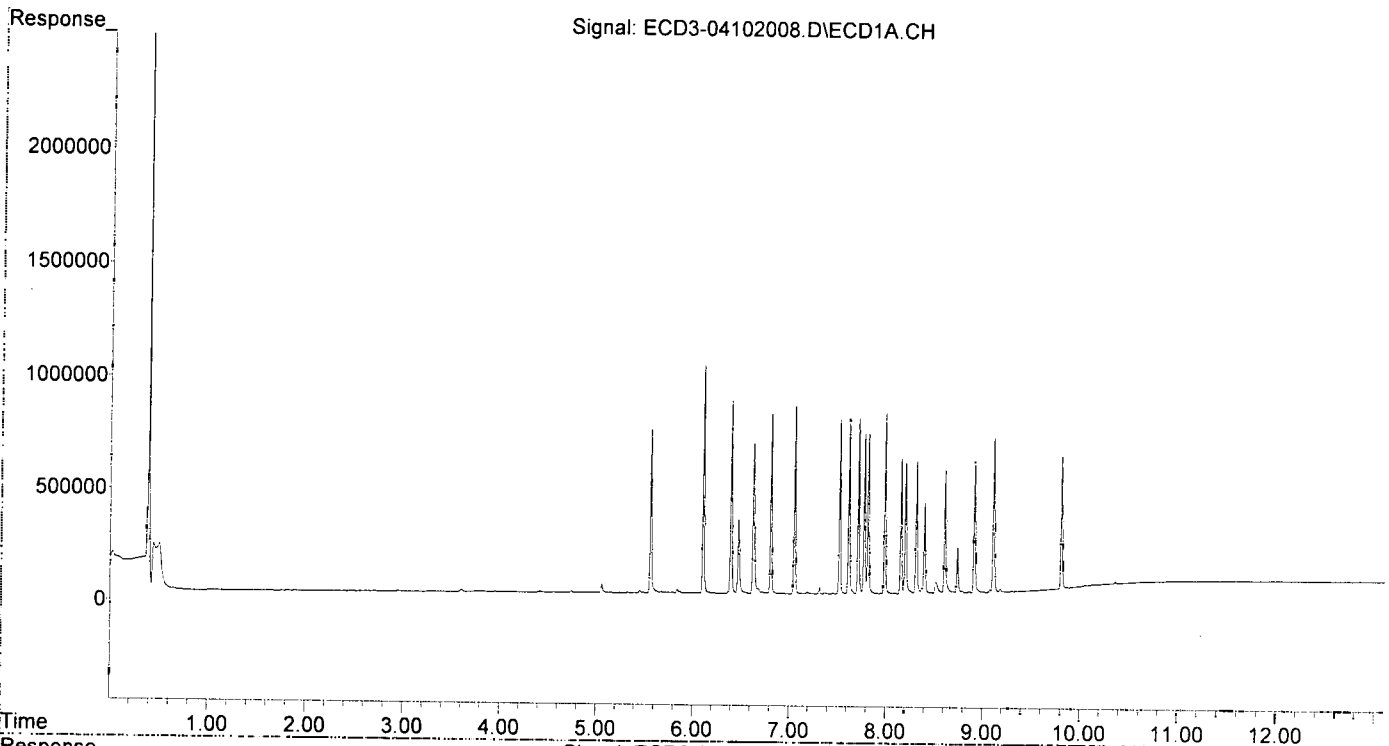
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.561	6.061	727524	601812	4.912	5.164
22) S DCBP (S)	9.806	10.678	587016	364366	5.136	5.168
Target Compounds						
2) a-BHC	6.107	6.673	1011773	809491	5.001	5.157
3) g-BHC	6.395	6.994	864784	673024	5.008	4.996
4) b-BHC	6.472	7.059	326774	302941	4.790	4.933
5) Heptachlor	6.808	7.371	799546	564693	4.883	4.988
6) d-BHC	6.626	7.317	669294	620859	4.768	5.079
7) Aldrin	7.052	7.640	838045	699880	4.999	5.266
8) Heptachlo...	7.520	8.082	780587	590771	4.991	5.020
9) trans-Chl...	7.616	8.223	779273	605591	4.952	5.021
10) cis-Chlor...	7.714	8.331	784009	585259	4.995	5.053
11) Endosulfa...	7.815	8.382	712441	546125	4.964	5.078
12) 4,4'-DDE	7.774	8.438	712814	584778	4.941	5.078
13) Dieldrin	7.987	8.584	805257	602273	5.011	5.030
14) Endrin	8.155	8.814	600774	419756	4.870	4.855
15) 4,4'-DDD	8.201	8.857	580403	466489	4.781	4.943
16) Endosulfa...	8.314	8.963	589436	453168	4.869	4.941
17) 4,4'-DDT	8.399	9.085	402575	260165	4.734	4.788
18) Endrin Al...	8.608	9.201	545702	424119	5.084	5.046
19) Endosulfa...	8.913	9.393	580327	407094	4.818	4.836
20) Methoxychlor	8.738	9.568	204727	127410	4.986	4.938
21) Endrin Ke...	9.110	9.797	688717	464140	4.781	4.851
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) Oxychlorane	0.000	0.000	0	0	N.D.	N.D.
26) 2,4'-DDE	7.520	8.223	780587	605591	8.450	7.623
27) trans-Non...	7.714	0.000	784009	0	5.269	N.D. #
28) 2,4'-DDD	0.000	8.584	0	602273	N.D.	8.778 #
29) 2,4'-DDT	0.000	8.814	0	419756	N.D.	7.825 #
30) cis-Nonac...	8.201f	8.857	580403	466489	3.581	3.780
31) Mirex	0.000	9.797	0	464140	N.D.	6.450 #
32) Chlordane...	7.616	8.223	779273	605591	44.150	41.860
33) Chlordane...	7.714	8.331	784009	585259	37.835	47.346
34) Chlordane...	0.000	9.005	0	44812	N.D.	8.118 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.714f	8.557	784009	3979	941.848	3.553 #
37) Toxaphene...	7.987	0.000	805257	0	534.402	N.D. #
38) Toxaphene...	8.314	8.963f	589436	453168	189.507	208.800
39) Toxaphene...	8.517f	9.005	48588	44812	11.323	4.289 #
40) Toxaphene...	8.785	9.201	8822	424119	3.746	229.856 #
41) Toxaphene...	0.000	9.568	0	127410	N.D.	62.950 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 13:14
Operator : MJB
Sample : 0D10031-CAL4
Misc : A20C180, AB 5 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: Apr 13 12:40:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 13:31
 Operator : MJB
 Sample : 0D10031-CAL5
 Misc : A20C181, AB 10 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: Apr 13 12:40:58 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

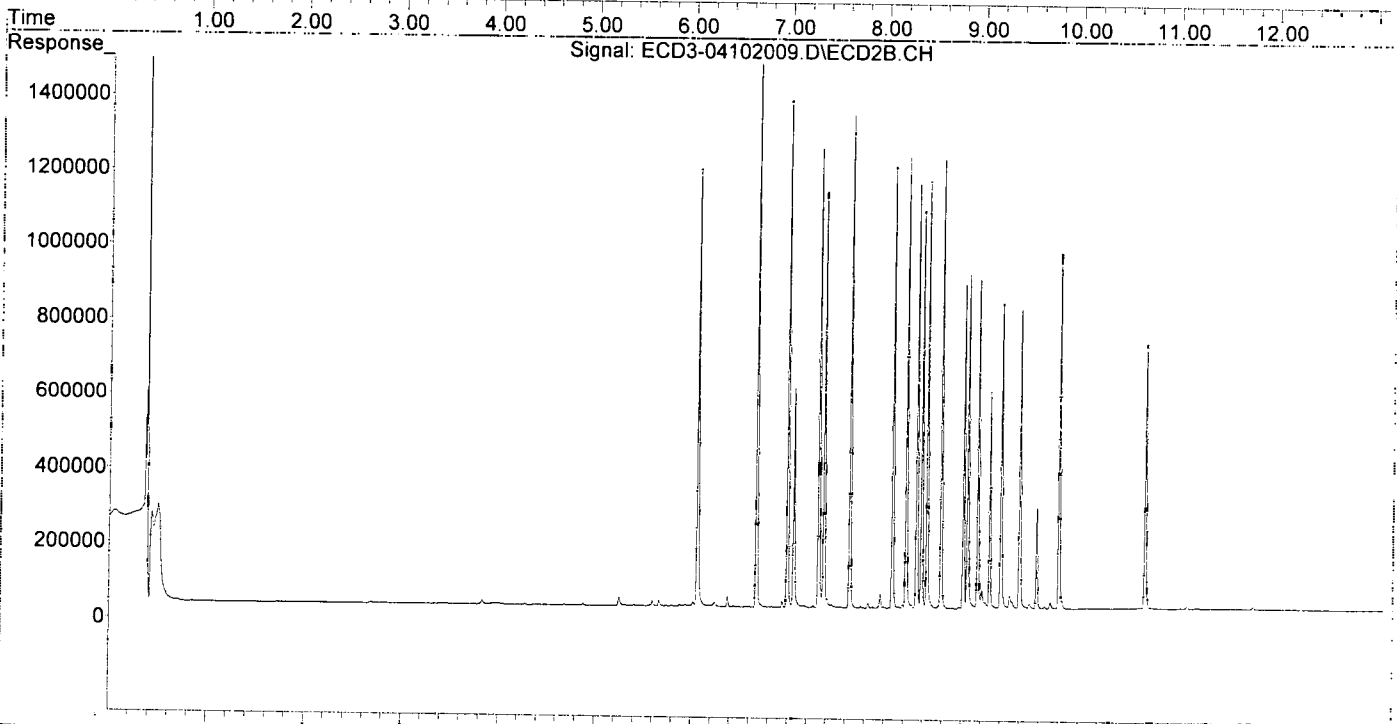
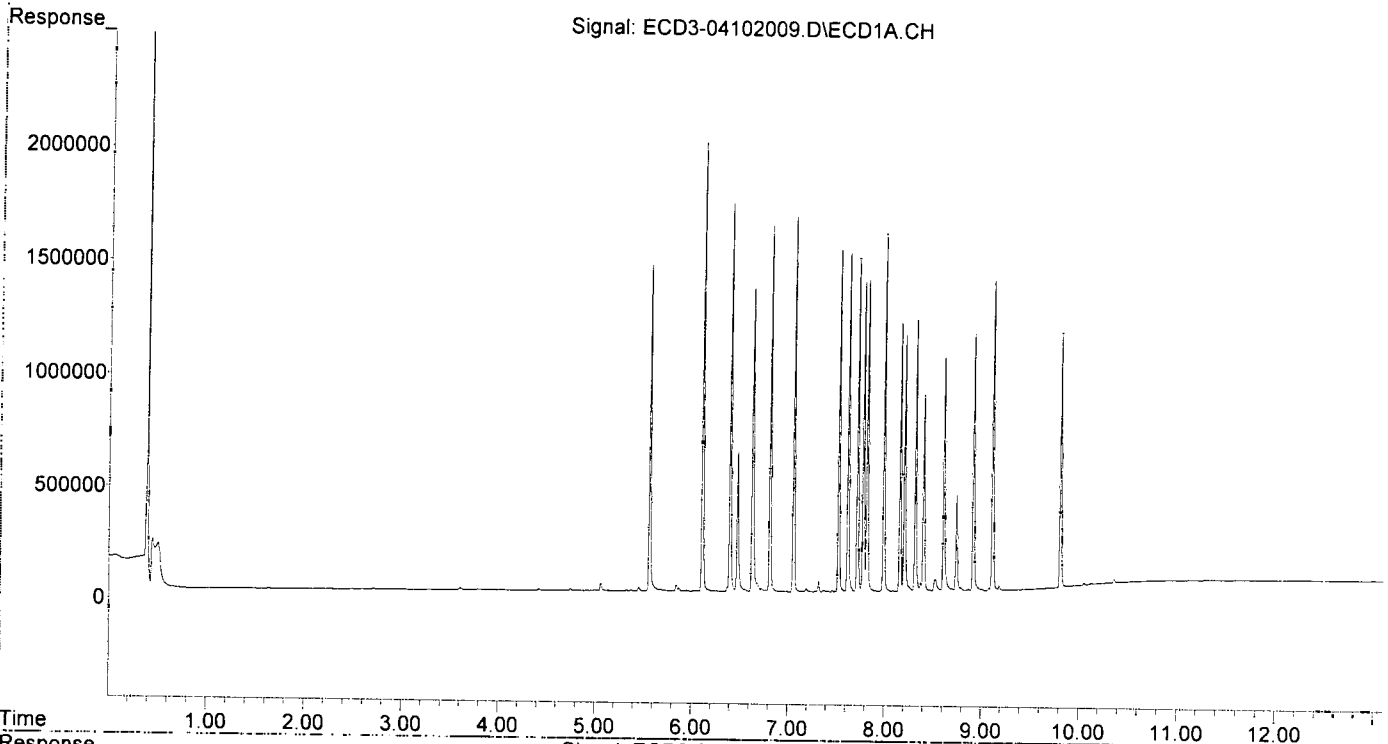
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.563	6.062	1449955	1164651	9.790	10.150
22) S DCBP (S)	9.808	10.679	1130527	701737	10.100	10.202
Target Compounds						
2) a-BHC	6.109	6.674	1992062	1592422	9.847	10.145
3) g-BHC	6.395	6.994	1722298	1349252	9.974	10.015
4) b-BHC	6.473	7.059	621775	583118	9.114	9.495
5) Heptachlor	6.809	7.372	1629185	1105625	9.949	9.767
6) d-BHC	6.627	7.317	1348815	1223432	9.609	10.009
7) Aldrin	7.054	7.641	1665359	1316403	9.934	9.905
8) Heptachlo...	7.521	8.082	1525229	1175438	9.753	9.987
9) trans-Chl...	7.617	8.223	1502883	1202264	9.551	9.969
10) cis-Chlor...	7.714	8.332	1485434	1131819	9.463	9.772
11) Endosulfa...	7.815	8.383	1386208	1056492	9.659	9.824
12) 4,4'-DDE	7.774	8.438	1382476	1137288	9.584	9.876
13) Dieldrin	7.988	8.585	1588078	1196698	9.881	9.994
14) Endrin	8.156	8.815	1200412	862016	9.731	9.971
15) 4,4'-DDD	8.201	8.857	1143858	889692	9.422	9.428
16) Endosulfa...	8.315	8.963	1207633	876423	9.976	9.556
17) 4,4'-DDT	8.399	9.085	875483	578694	10.057	10.438
18) Endrin Al...	8.608	9.202	1043139	811442	9.920	9.889
19) Endosulfa...	8.913	9.393	1141536	796875	9.476	9.467
20) Methoxychlor	8.739	9.568	427742	269363	10.262	10.268
21) Endrin Ke...	9.111	9.797	1381099	942335	9.588	9.849
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) Oxychlorane	7.457	7.986f	8338	4446	BelowCal	3277.692
26) 2,4'-DDE	7.521	8.223	1525229	1202264	16.643	15.419
27) trans-Non...	7.714	8.278	1485434	9116	10.165	1953.481 #
28) 2,4'-DDD	0.000	8.585	0	1196698	N.D.	17.780 #
29) 2,4'-DDT	0.000	8.815	0	862016	N.D.	16.070 #
30) cis-Nonac...	8.201f	8.857	1143858	889692	7.258	7.434
31) Mirex	8.863	9.797	6194	942335	7125.821	13.550 #
32) Chlordane...	7.617	8.223	1502883	1202264	85.147	83.103
33) Chlordane...	7.714	8.332	1485434	1131819	71.684	91.561
34) Chlordane...	0.000	9.005	0	49757	N.D.	9.493 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.714f	8.585f	1485434	1196698	1784.486	1068.499 #
37) Toxaphene...	7.988	0.000	1588078	0	1053.916	N.D. #
38) Toxaphene...	8.315	8.963f	1207633	876423	388.261	403.817
39) Toxaphene...	8.518f	9.005	51106	49757	12.223	5.873 #
40) Toxaphene...	8.786	9.202	14944	811442	6.346	440.326 #
41) Toxaphene...	8.863f	9.568	6194	269363	2.042	133.085 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 13:31
Operator : MJB
Sample : 0D10031-CAL5
Misc : A20C181, AB 10 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: Apr 13 12:40:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 13:48
 Operator : MJB
 Sample : 0D10031-CAL6
 Misc : A20C182, AB 25 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: Apr 13 12:41:15 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

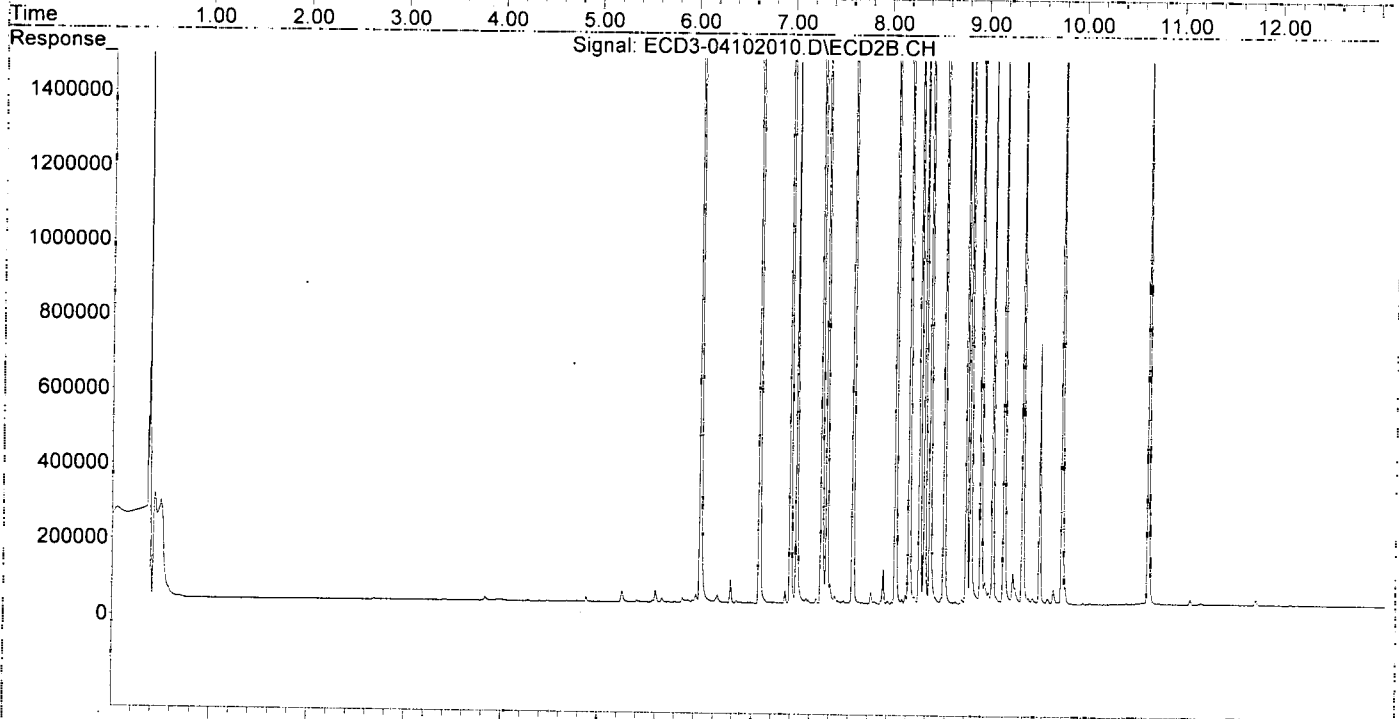
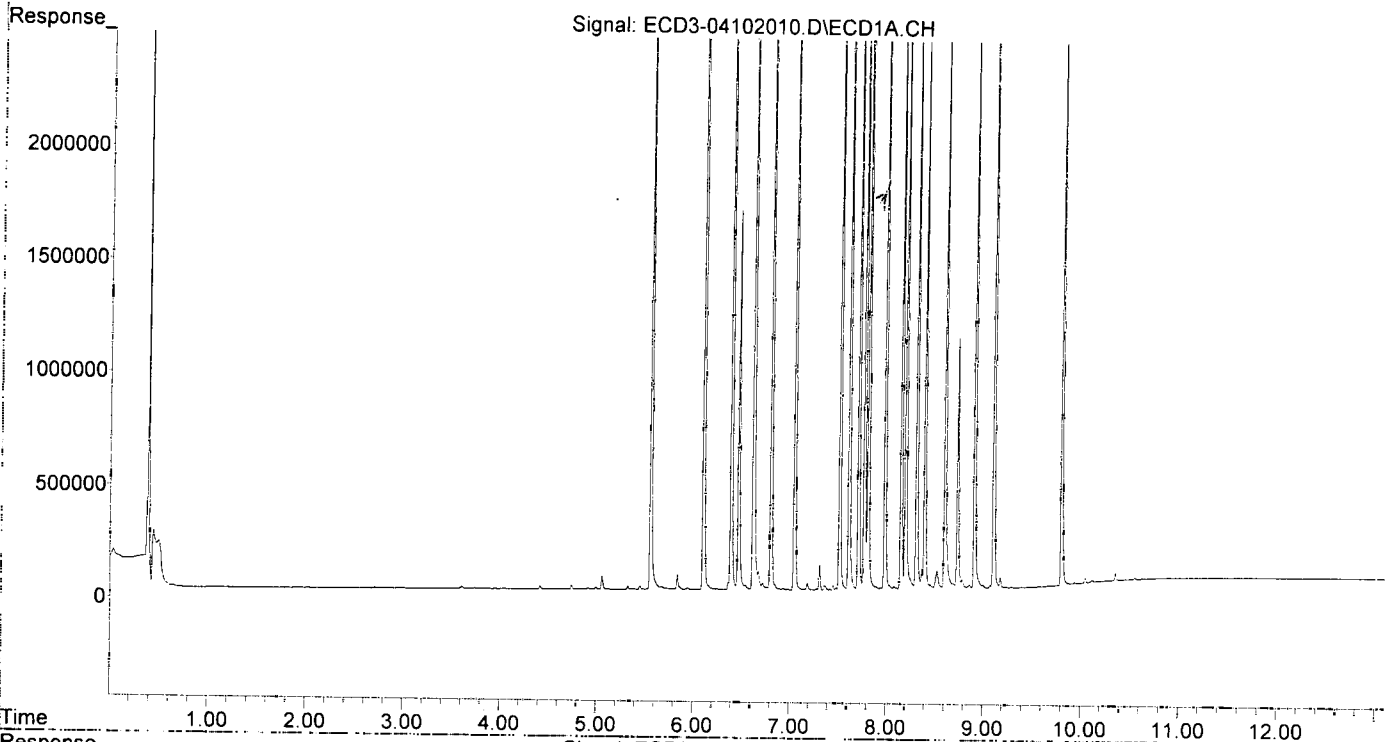
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.061	3620730	2793596	24.447	24.732
22) S DCBP (S)	9.807	10.679	2727108	1659485	24.672	24.614
Target Compounds						
2) a-BHC	6.108	6.673	4970390	3891920	24.570	24.793
3) g-BHC	6.395	6.994	4292566	3362986	24.858	24.962
4) b-BHC	6.471	7.058	1680896	1441819	24.639	23.476
5) Heptachlor	6.808	7.371	3984158	2769954	24.331	24.469
6) d-BHC	6.624	7.315	3518783	3102871	25.068	25.384
7) Aldrin	7.053	7.640	4119405	3247513	24.573	24.436
8) Heptachlo...	7.520	8.082	3754002	2836226	24.005	24.099
9) trans-Chl...	7.616	8.223	3815437	2978658	24.247	24.698
10) cis-Chlor...	7.713	8.331	3703571	2773817	23.594	23.948
11) Endosulfa...	7.814	8.382	3466454	2611533	24.153	24.285
12) 4,4'-DDE	7.773	8.437	3675424	2877432	25.479	24.988
13) Dieldrin	7.987	8.585	3986579	2919821	24.806	24.384
14) Endrin	8.155	8.814	3047888	2128761	24.707	24.624
15) 4,4'-DDD	8.200	8.857	3056605	2212251	25.177	23.443
16) Endosulfa...	8.314	8.962	2966130	2201693	24.503	24.005
17) 4,4'-DDT	8.399	9.085	2456263	1496497	26.957	26.020
18) Endrin Al...	8.607	9.201	2573122	1952460	24.768	24.237
19) Endosulfa...	8.913	9.393	2840981	2020111	23.584	23.998
20) Methoxychlor	8.737	9.568	1114647	689159	25.840	25.361
21) Endrin Ke...	9.110	9.797	3445975	2250304	23.923	23.520
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.948	0.000	8035	0	BelowCal	N.D.
25) Oxychlordan	7.455	8.004	20153	6735	BelowCal	3277.669
26) 2,4'-DDE	7.520	8.223	3754002	2978658	40.921	38.976
27) trans-Non...	7.713	8.278	3703571	18136	25.612	1953.399 #
28) 2,4'-DDD	0.000	8.585	0	2919821	N.D.	44.172 #
29) 2,4'-DDT	8.081	8.814	12079	2128761	0.160	39.686 #
30) cis-Nonac...	8.200f	8.857	3056605	2212251	19.706	18.921 #
31) Mirex	8.862	9.797	14690	2250304	7125.736	33.117 #
32) Chlordane...	7.616	8.223	3815437	2978658	216.166	205.890
33) Chlordane...	7.713	8.331	3703571	2773817	178.726	224.394
34) Chlordane...	0.000	9.005	0	56358	N.D.	11.328 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D. #
36) Toxaphene...	7.713f	8.585f	3703571	2919821	4449.187	2607.026 #
37) Toxaphene...	7.987	0.000	3986579	0	2645.663	N.D. #
38) Toxaphene...	8.314	8.962f	2966130	2201693	953.627	1014.444
39) Toxaphene...	8.528	9.005	81066	56358	22.921	7.987 #
40) Toxaphene...	8.785	9.201	38899	1952460	16.517	1047.578 #
41) Toxaphene...	8.862f	9.568	14690	689159	4.843	340.495 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 13:48
Operator : MJB
Sample : 0D10031-CAL6
Misc : A20C182, AB 25 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: Apr 13 12:41:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:05
 Operator : MJB
 Sample : OD10031-CAL7
 Misc : A20C183, AB 50 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: Apr 13 12:41:26 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

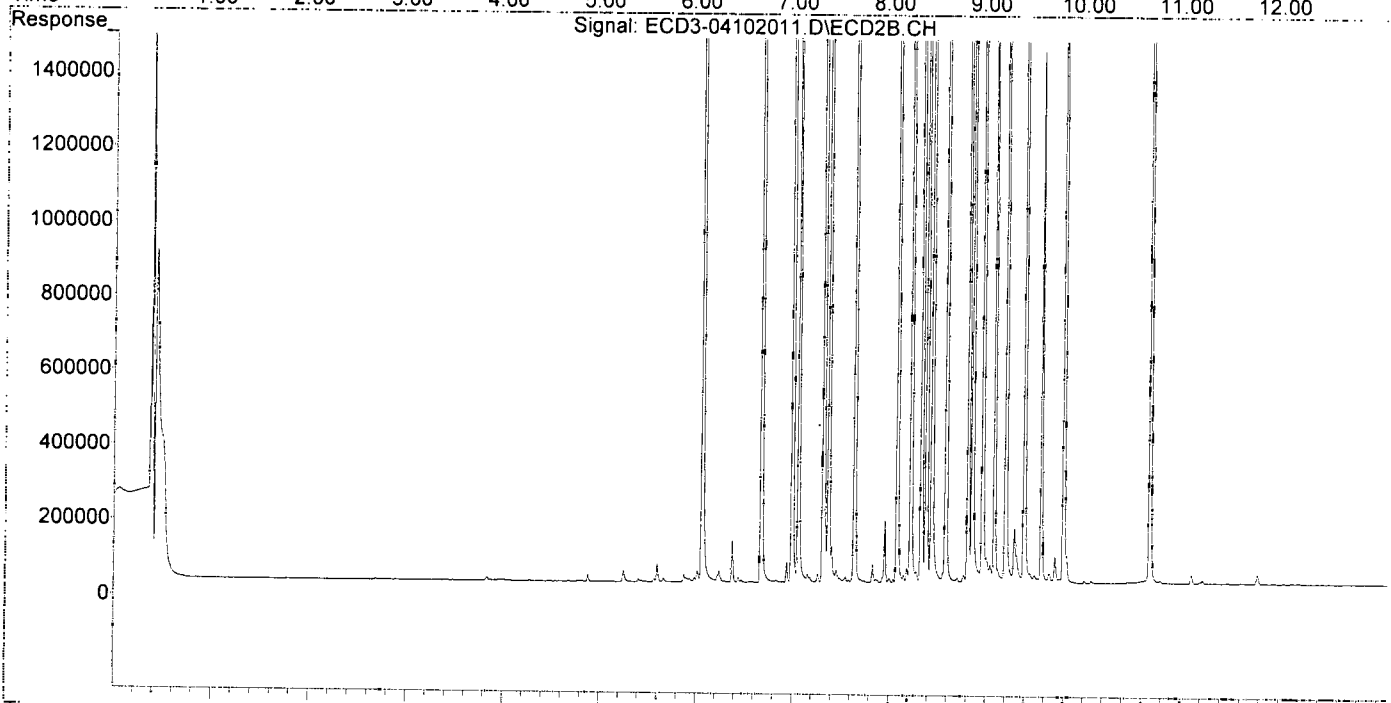
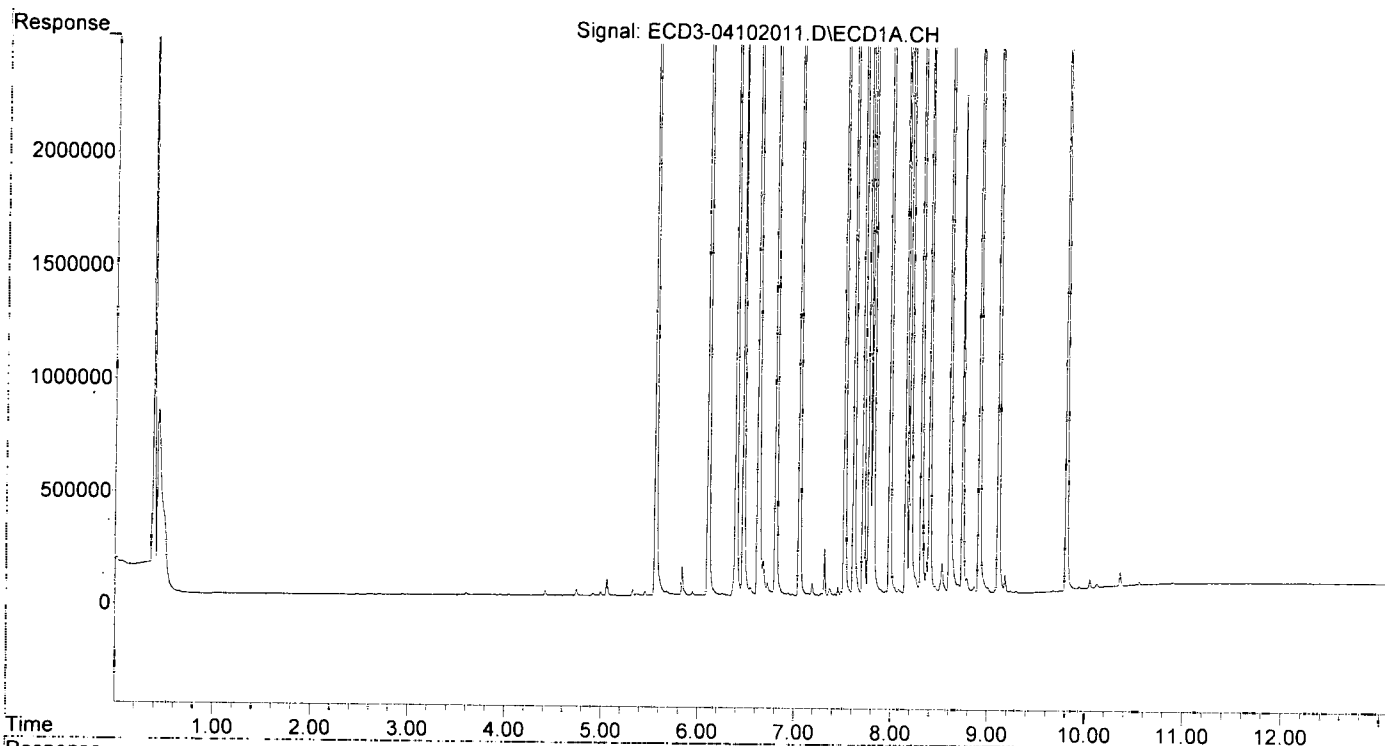
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.062	6908561	5350810	46.646	48.103
22) S DCBP (S)	9.807	10.679	5172590	3177027	46.965	47.841
Target Compounds						
2) a-BHC	6.108	6.674	9856715	7382419	48.725	47.030
3) g-BHC	6.395	6.994	8390299	6395054	48.588	47.467
4) b-BHC	6.470	7.058	3275829	2819965	48.017	45.916
5) Heptachlor	6.808	7.372	7786801	5432137	47.553	47.986
6) d-BHC	6.624	7.316	7200622	5907599	51.298	48.329
7) Aldrin	7.053	7.640	7862388	6276155	46.900	47.226
8) Heptachlo...	7.520	8.082	7294406	5446885	46.644	46.281
9) trans-Chl...	7.615	8.222	7465806	5551909	47.445	46.035
10) cis-Chlor...	7.713	8.331	7133255	5236394	45.443	45.209
11) Endosulfa...	7.814	8.382	6731758	4951225	46.904	46.042
12) 4,4'-DDE	7.772	8.437	7150986	5427651	49.573	47.135
13) Dieldrin	7.987	8.584	7608328	5672261	47.341	47.370
14) Endrin	8.154	8.814	6088856	4168787	49.357	48.222
15) 4,4'-DDD	8.200	8.856	5813915	4432731	47.889	46.974
16) Endosulfa...	8.313	8.962	5720662	4306868	47.258	46.958
17) 4,4'-DDT	8.399	9.084	5090784	3189186	52.647	52.511
18) Endrin Al...	8.607	9.201	4966378	3803916	47.918	47.784
19) Endosulfa...	8.912	9.392	5681676	3917488	47.167	46.538
20) Methoxychlor	8.738	9.568	2212679	1415590	48.967	49.507
21) Endrin Ke...	9.109	9.797	6843717	4537747	47.510	47.428
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.948	0.000	15497	0	BelowCal	N.D.
25) Oxychlorane	7.455	8.001	37958	11128	0.094	3277.625 #
26) 2,4'-DDE	7.520	8.222	7294406	5551909	78.770	74.086
27) trans-Non...	7.713	8.281	7133255	29937	49.399	0.051 #
28) 2,4'-DDD	0.000	8.584	0	5672261	N.D.	87.296 #
29) 2,4'-DDT	8.081	8.814	25017	4168787	0.332	77.718 #
30) cis-Nonac...	8.200f	8.856	5813915	4432731	37.560	38.447
31) Mirex	8.862	9.797	29866	4537747	7125.582	67.873 #
32) Chlordane...	7.615	8.222	7465806	5551909	422.980	383.758
33) Chlordane...	7.713	8.331	7133255	5236394	344.235	423.609
34) Chlordane...	0.000	9.004	0	67246	N.D.	14.354 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.713f	8.584f	7133255	5672261	8569.346	5064.604 #
37) Toxaphene...	7.987	0.000	7608328	0	5049.210	N.D. #
38) Toxaphene...	8.313	8.962f	5720662	4306868	1839.225	1984.416
39) Toxaphene...	8.529	9.004	138672	67246	43.458	11.473 #
40) Toxaphene...	8.784	9.201	68899	3803916	29.255	1995.767 #
41) Toxaphene...	8.862f	9.568	29866	1415590	9.846	699.405 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:05
Operator : MJB
Sample : 0D10031-CAL7
Misc : A20C183, AB 50 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: Apr 13 12:41:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:22
 Operator : MJB
 Sample : OD10031-CAL8
 Misc : A20C184, AB 100 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: Apr 13 12:41:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

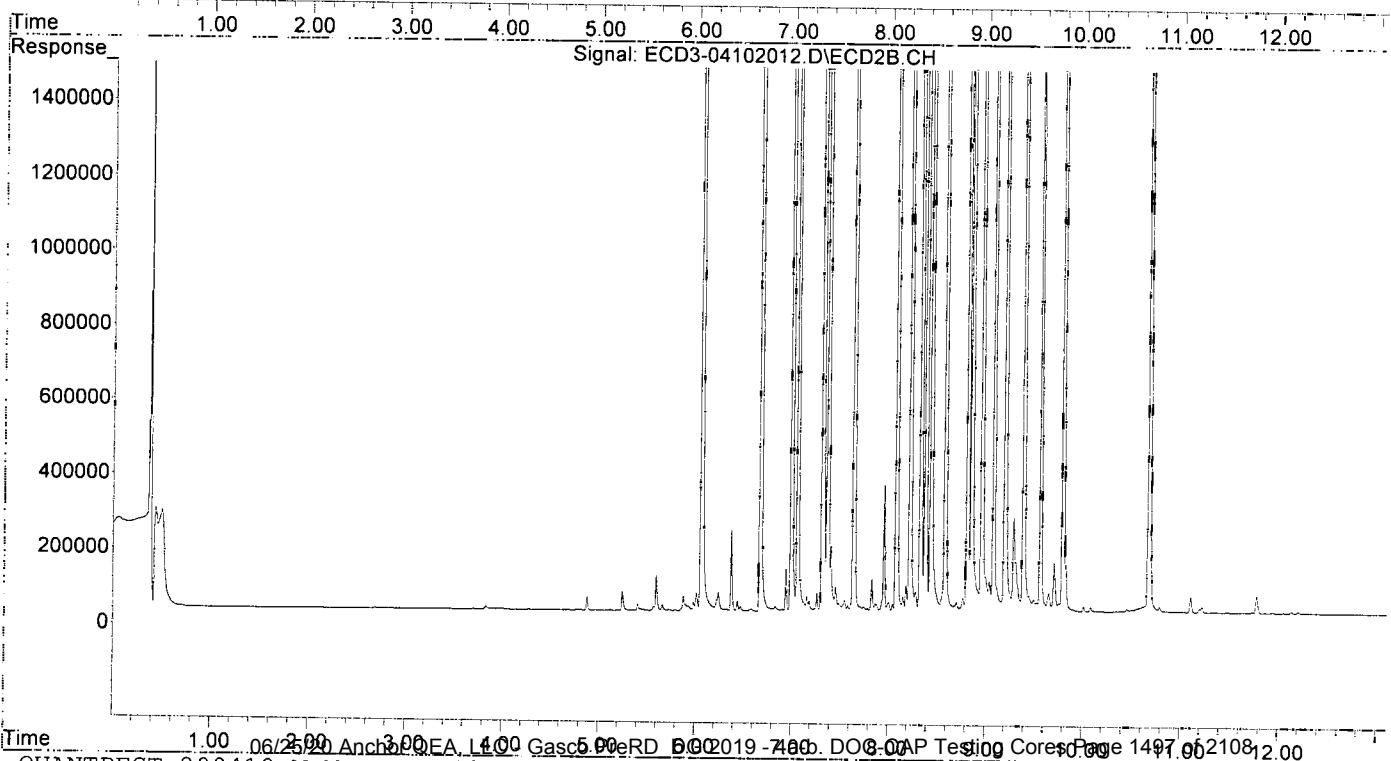
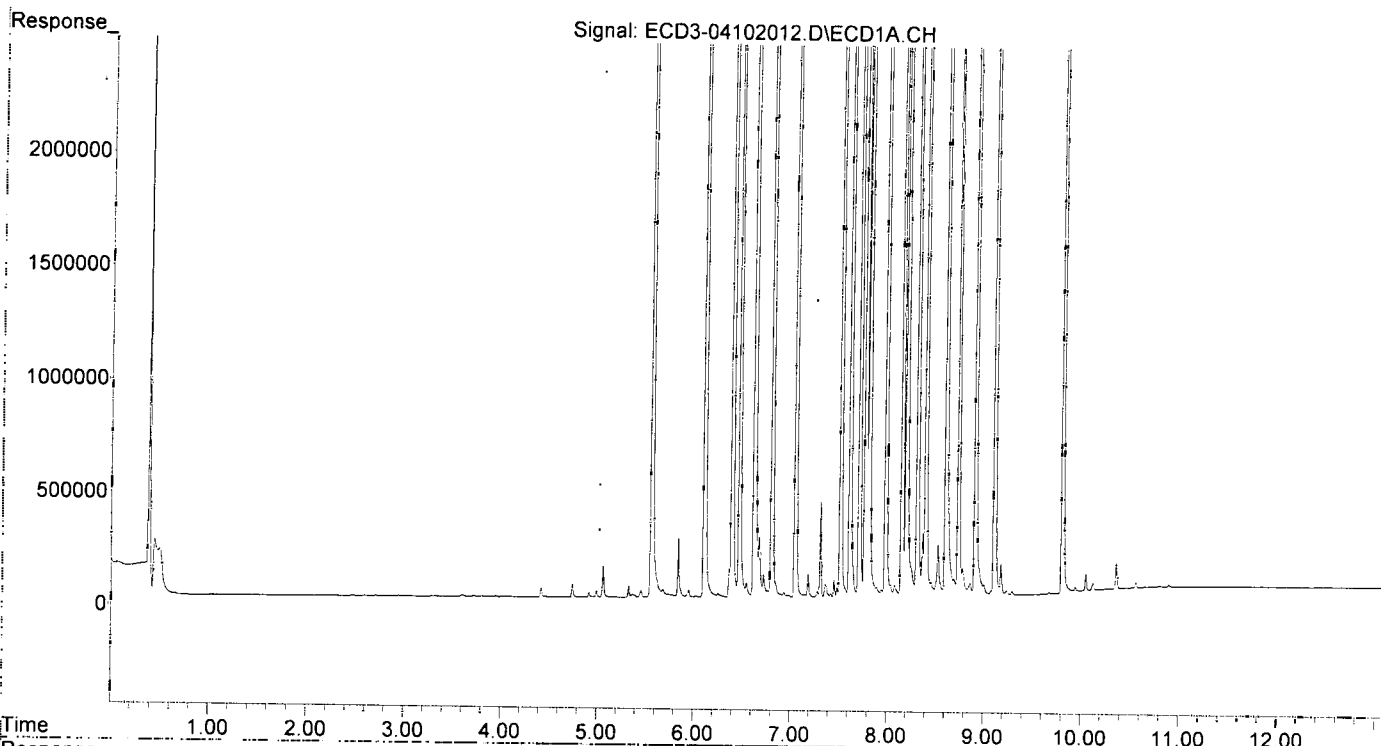
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.062	14508961	10942666	97.963	101.471
22) S DCBP (S)	9.807	10.679	10967512	6496705	99.662	100.457
Target Compounds						
2) a-BHC	6.108	6.673	20690311	15054052	102.278	95.902
3) g-BHC	6.395	6.994	17852129	13117531	103.381	97.365
4) b-BHC	6.470	7.058	7197743	5838273	105.505	95.061
5) Heptachlor	6.808	7.371	16932118	10998035	103.403	97.154
6) d-BHC	6.623	7.315	15654391	12327900	111.524	100.853
7) Aldrin	7.052	7.640	16874638	12626262	100.659	95.008
8) Heptachlo...	7.518	8.081	15381959	11258743	98.361	95.663
9) trans-Chl...	7.614	8.222	15938657	11619020	101.289	96.341
10) cis-Chlor...	7.712	8.330	15103841	10960125	96.221	94.625
11) Endosulfa...	7.813	8.382	14072419	10161726	98.051	94.494
12) 4,4'-DDE	7.772	8.437	15292864	11367630	106.015	98.719
13) Dieldrin	7.986	8.584	16300118	11853447	101.424	98.991
14) Endrin	8.154	8.814	12878104	8690942	104.392	100.531
15) 4,4'-DDD	8.198	8.856	12428792	9158353	102.375	97.051
16) Endosulfa...	8.312	8.962	12147287	8759068	100.349	95.500
17) 4,4'-DDT	8.398	9.085	11118672	7015904	103.417	104.756
18) Endrin Al...	8.606	9.201	10213956	7859690	98.361	100.574
19) Endosulfa...	8.911	9.393	11882557	8368447	98.643	99.414
20) Methoxychlor	8.736	9.568	5195602	3310270	103.898	104.189
21) Endrin Ke...	9.109	9.797	13903939	9234850	96.524	96.522
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.948	0.000	29093	0	0.016	N.D. #
25) Oxychlordan	7.453	8.001	74114	24244	0.373	0.026 #
26) 2,4'-DDE	7.518	8.222	15381959	11619020	162.197	162.213
27) trans-Non...	7.712	8.279	15103841	51428	104.227	0.246 #
28) 2,4'-DDD	7.894	8.584	40435	11853447	0.279	188.988 #
29) 2,4'-DDT	8.080	8.814	50870	8690942	0.676	162.025 #
30) cis-Nonac...	8.198	8.856	12428792	9158353	79.964	81.065
31) Mirex	8.860	9.797	53792	9234850	0.173	141.547 #
32) Chlordane...	7.614	8.222	15938657	11619020	903.016	803.127
33) Chlordane...	7.712	8.330	15103841	10960125	728.878	886.643
34) Chlordane...	0.000	9.002	0	93008	N.D.	21.515 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.712f	8.584f	15103841	11853447	18144.598	10583.613 #
37) Toxaphene...	7.986	0.000	16300118	0	10817.451	N.D. #
38) Toxaphene...	8.312	8.962f	12147287	8759068	3905.421	4035.795
39) Toxaphene...	8.528	9.002	225281	93008	74.253	19.717 #
40) Toxaphene...	8.783	9.201	118505	7859690	50.318	3936.877 #
41) Toxaphene...	8.860	9.568	53792	3310270	17.733	1635.514 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:22
Operator : MJB
Sample : 0D10031-CAL8
Misc : A20C184, AB 100 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: Apr 13 12:41:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:40
 Operator : MJB
 Sample : 0D10031-CAL9
 Misc : A20C177, AB 200 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: Apr 13 12:41:48 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MB
4/13/20

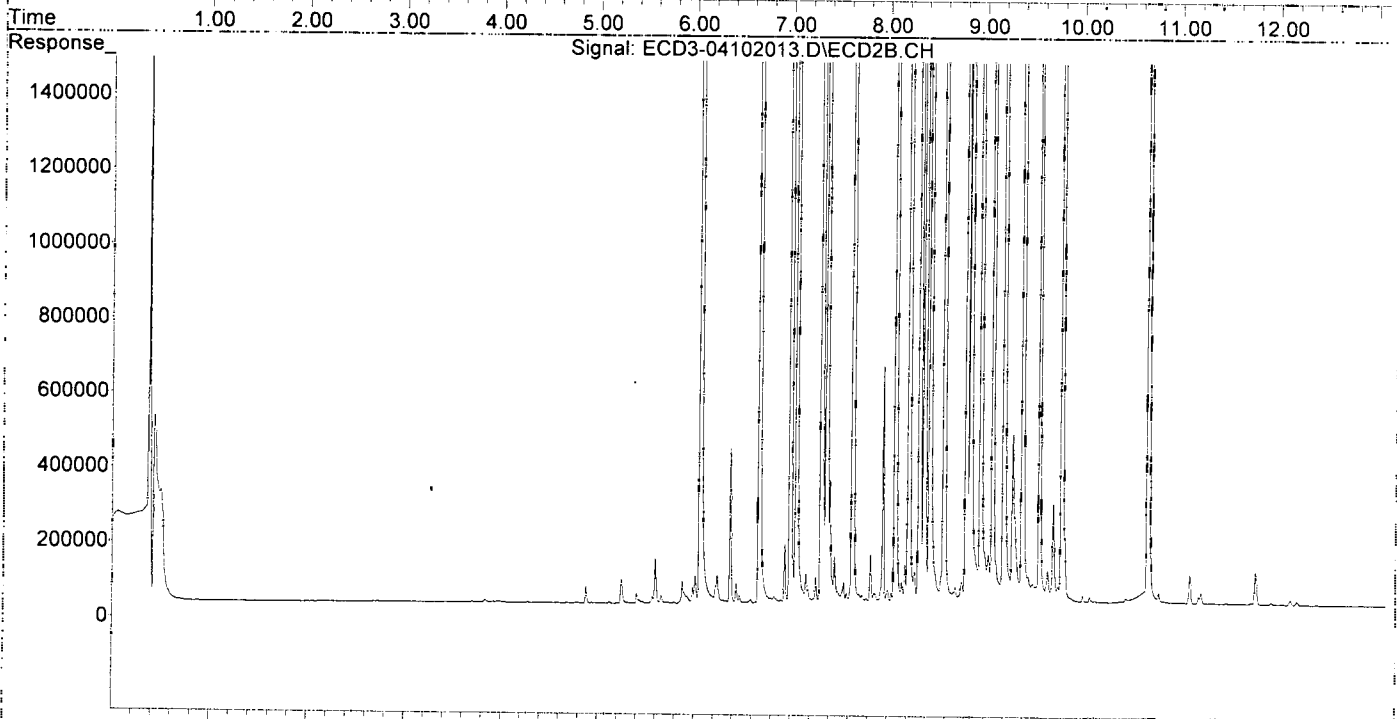
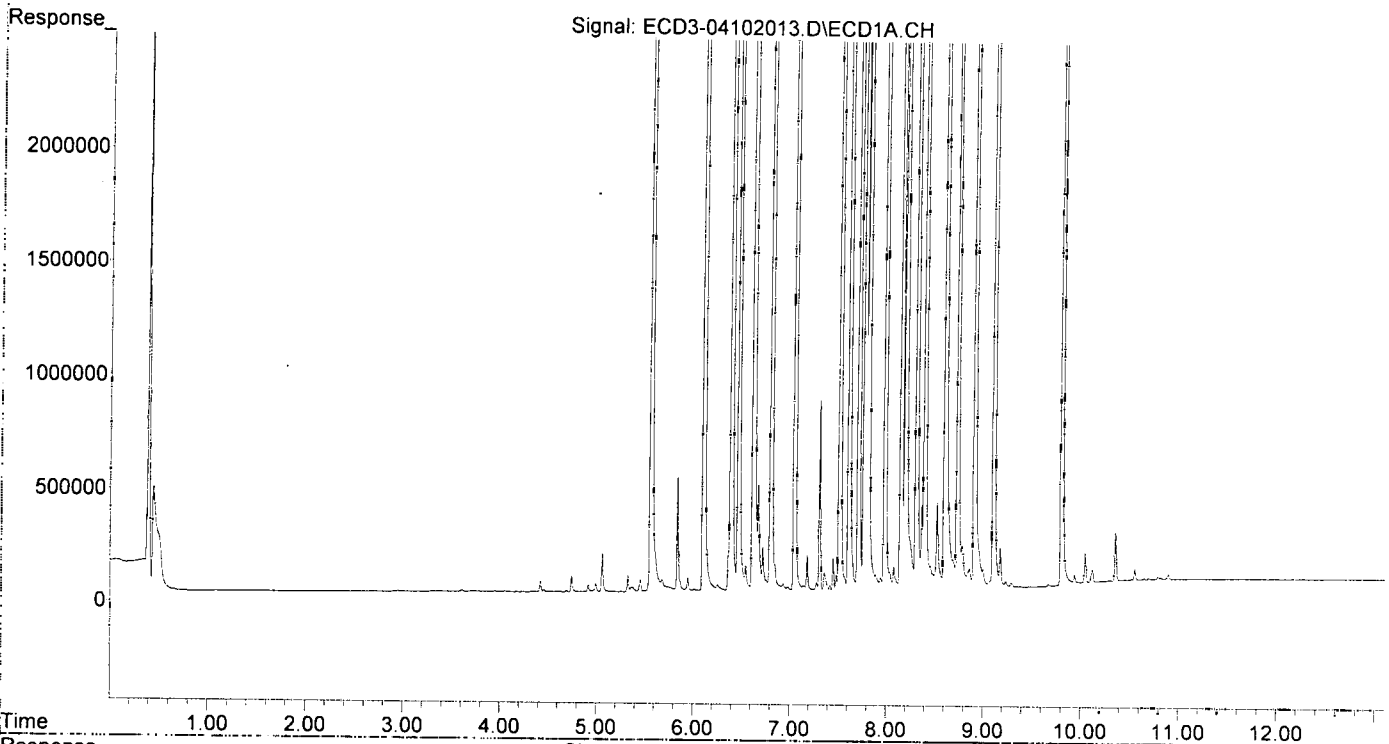
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.564	6.062	28992333	20414502	195.753	200.582
22) S DCBP (S)	9.807	10.679	22430618	12440663	203.376	202.014
Target Compounds						
2) a-BHC	6.110	6.674	42454244	28719329	209.864	182.957
3) g-BHC	6.395	6.995	36042538	24936908	208.722	185.094
4) b-BHC	6.470	7.057	14896865	11368661	218.359	185.108
5) Heptachlor	6.809	7.372	34291575	22169726	209.416	195.841
6) d-BHC	6.623	7.316	33683152	23989125	239.964	196.253
7) Aldrin	7.053	7.640	33769142	23855766	201.437	179.506
8) Heptachlo...	7.519	8.081	29992904	21270880	191.791	180.733
9) trans-Chl...	7.615	8.223	31666318	21709173	201.237	180.006
10) cis-Chlor...	7.713	8.331	30069367	20913495	191.561	180.557
11) Endosulfa...	7.813	8.382	28839578	19228923	200.942	178.810
12) 4,4'-DDE	7.772	8.437	31314990	21652854	217.085	188.038
13) Dieldrin	7.987	8.584	32386470	22315768	201.518	186.364
14) Endrin	8.154	8.814	27093743	17588255	219.626	203.450
15) 4,4'-DDD	8.198	8.856	26222383	17432728	215.991	184.735
16) Endosulfa...	8.312	8.961	25140767	17688125	207.688	192.854
17) 4,4'-DDT	8.398	9.084	24723061	15058756	194.834	194.066
18) Endrin Al...	8.606	9.201	21324700	15325432	203.772	202.593
19) Endosulfa...	8.912	9.392	23987343	16356168	199.132	194.305
20) Methoxychlor	8.736	9.567	11463022	7310519	197.090	196.831
21) Endrin Ke...	9.109	9.797	28865829	18211713	200.392	190.348
23) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24) Hexachlor...	5.948	0.000	60947	0	0.255	N.D. #
25) Oxychlordan	7.453	8.003	139204	31616	0.876	0.101 #
26) 2,4'-DDE	7.519	8.223	29992904	21709173	303.712	331.640
27) trans-Non...	7.713	8.282	30069367	80932	205.522	0.514 #
28) 2,4'-DDD	7.895	8.584	63615	22315768	0.564	380.542 #
29) 2,4'-DDT	8.079	8.814	96846	17588255	1.286	327.896 #
30) cis-Nonac...	8.198	8.856	26222383	17432728	166.532	159.603
31) Mirex	8.859	9.797	83812	18211713	0.477	292.440 #
32) Chlordane...	7.615	8.223	31666318	21709173	1794.077	1500.577
33) Chlordane...	7.713	8.331	30069367	20913495	1451.081	1691.843
34) Chlordane...	0.000	8.961f	0	17688125	N.D.	4875.104 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.713f	8.584f	30069367	22315768	36123.034	19925.127 #
37) Toxaphene...	7.987	0.000	32386470	0	21493.039	N.D. #
38) Toxaphene...	8.312	8.961f	25140767	17688125	8082.898	8149.914
39) Toxaphene...	8.527	9.042f	380167	125813	129.083	30.208 #
40) Toxaphene...	8.784	9.201	186197	15325432	79.061	7137.189 #
41) Toxaphene...	8.859	9.567	83812	7310519	27.630	3611.928 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:40
Operator : MJB
Sample : 0D10031-CAL9
Misc : A20C177, AB 200 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: Apr 13 12:41:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 15:31
 Operator : MJB
 Sample : 0D10031-CALA
 Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

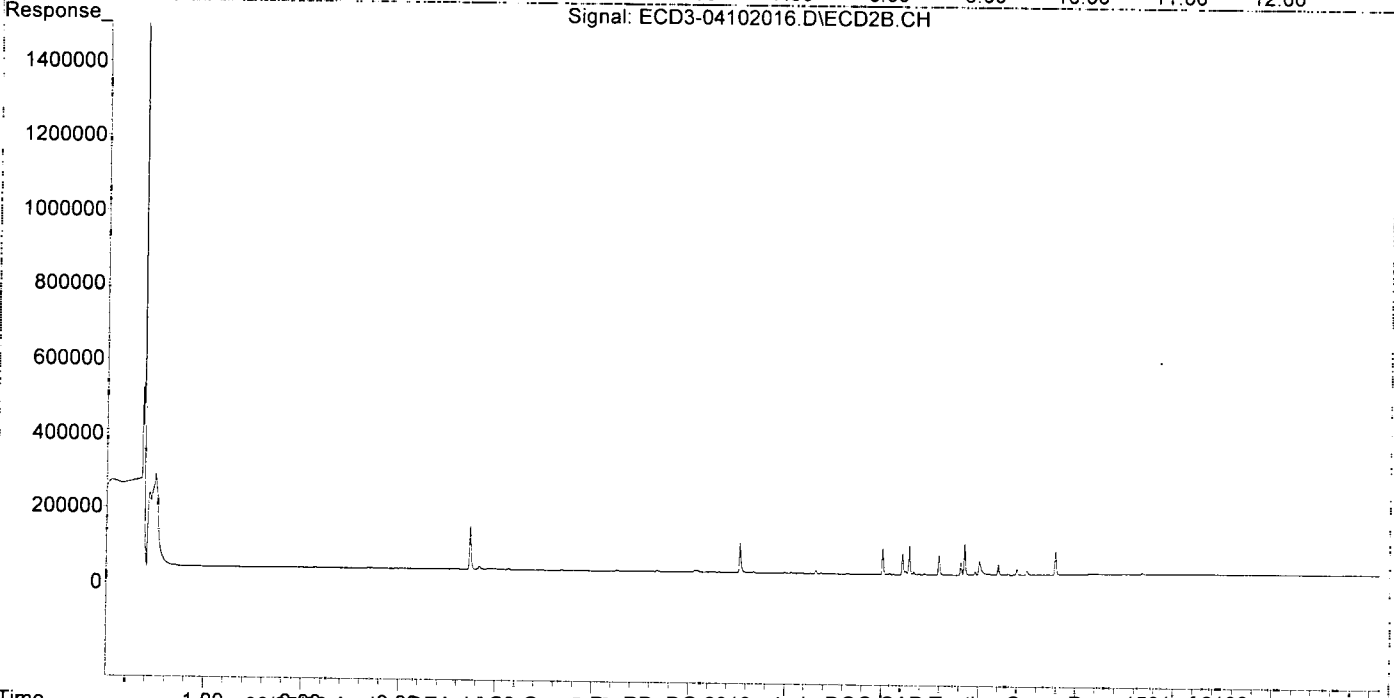
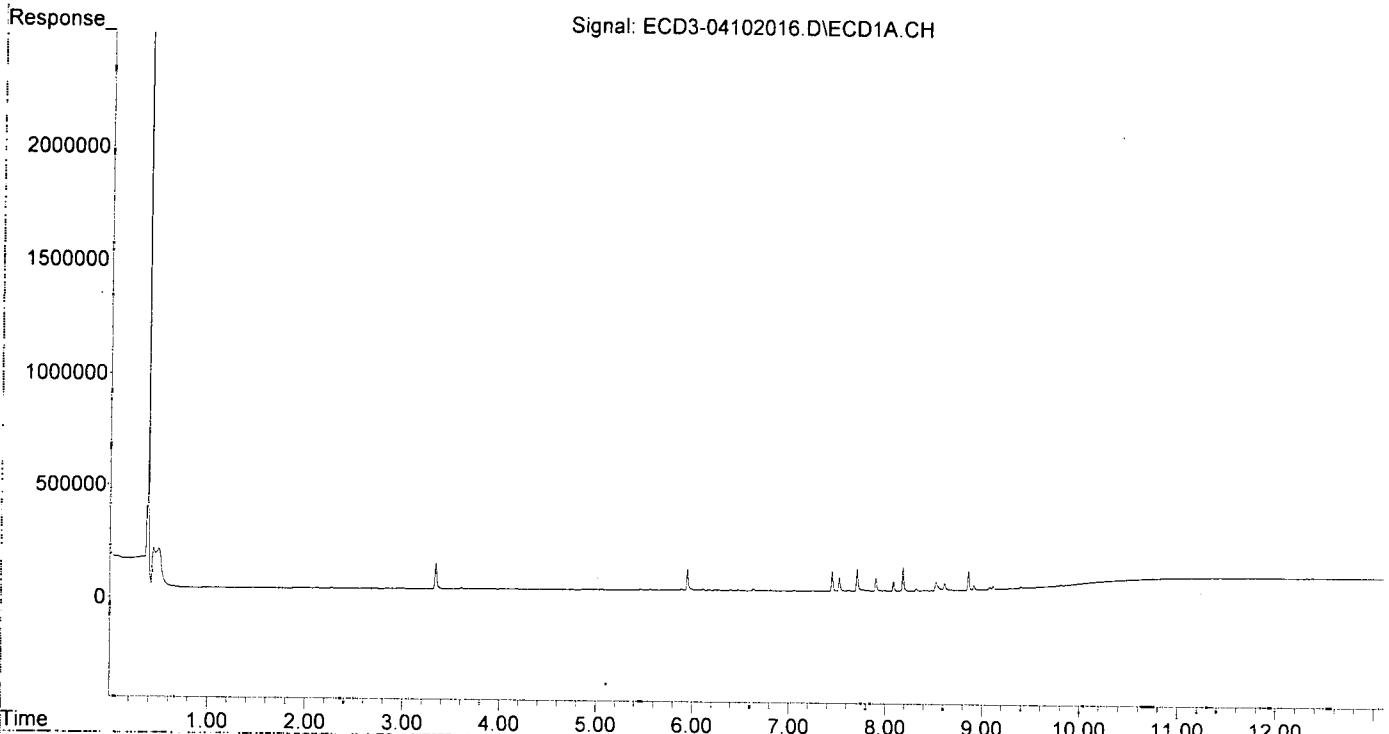
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.061	0	4574	N.D.	1884.074 #
22) S DCBP (S)	9.808	0.000	4407	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.108	6.672	5012	3637	0.025	0.023
3) g-BHC	0.000	6.994	0	3847	N.D.	0.029 #
4) b-BHC	0.000	7.061	0	3262	N.D.	0.053 #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.631	7.319	7663	7865	0.055	0.064
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.523	0.000	59883	0	0.383	N.D. #
9) trans-Chl...	0.000	8.216	0	54754	N.D.	0.454 #
10) cis-Chlor...	7.705	8.332	97265	7331	0.620	0.063 #
11) Endosulfa...	7.775f	0.000	4570	0	0.032	N.D. #
12) 4,4'-DDE	7.775	0.000	4570	0	0.032	N.D. #
13) Dieldrin	0.000	8.592	0	50583	N.D.	0.422 #
14) Endrin	8.181f	8.817	105931	32434	0.859	0.375 #
15) 4,4'-DDD	8.181	8.857	105931	83146	0.873	0.881
16) Endosulfa...	8.318	8.965	9575	7808	0.079	0.085
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.611	9.203	31419	25644	0.081	0.078
19) Endosulfa...	8.915	9.394	19857	15167	0.165	0.180
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.112	9.790	13697	60436	0.095	0.632 #
23) Hexachlor...	3.341	3.736	112302	112755	0.486	0.479
24) Hexachlor...	5.948	6.532	90891	78616	0.480	0.478
25) Oxychlorane	7.448	8.010	87083	67961	0.473	0.469
26) 2,4'-DDE	7.523	8.216	59883	54754	0.481	0.477
27) trans-Non...	7.705	8.287	97265	76561	0.471	0.474
28) 2,4'-DDD	7.900	8.592	56544	50583	0.477	0.469
29) 2,4'-DDT	8.083	8.817	41657	32434	0.553	0.605
30) cis-Nonac...	8.181	8.857	105931	83146	0.481	0.480
31) Mirex	8.858	9.790	82399	60436	0.462	0.478
32) Chlordane...	0.000	8.216	0	54754	N.D.	3.785 #
33) Chlordane...	7.705	8.332	97265	7331	4.694	0.593 #
34) Chlordane...	0.000	9.009	0	33786	N.D.	5.054 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.705f	8.592f	97265	50583	116.847	45.164 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.318	8.965f	9575	7808	3.078	3.598
39) Toxaphene...	8.522	9.009	37652	33786	7.415	0.758 #
40) Toxaphene...	0.000	9.203	0	25644	N.D.	10.907 #
41) Toxaphene...	8.858	0.000	82399	0	27.163	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 12:42:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 15:48
 Operator : MJB
 Sample : OD10031-CALB
 Misc : A20C353, 9-42 1 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: Apr 13 12:42:55 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
~~4/13/20~~
 4/13/20

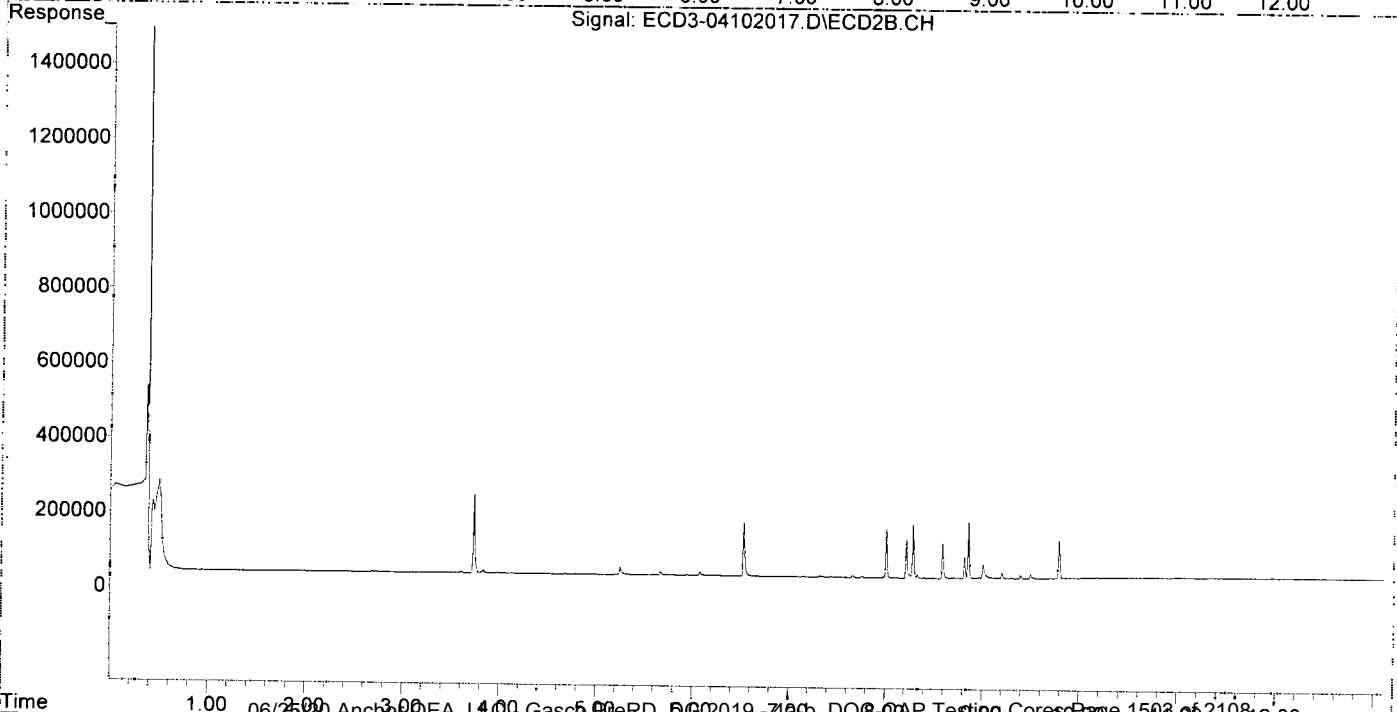
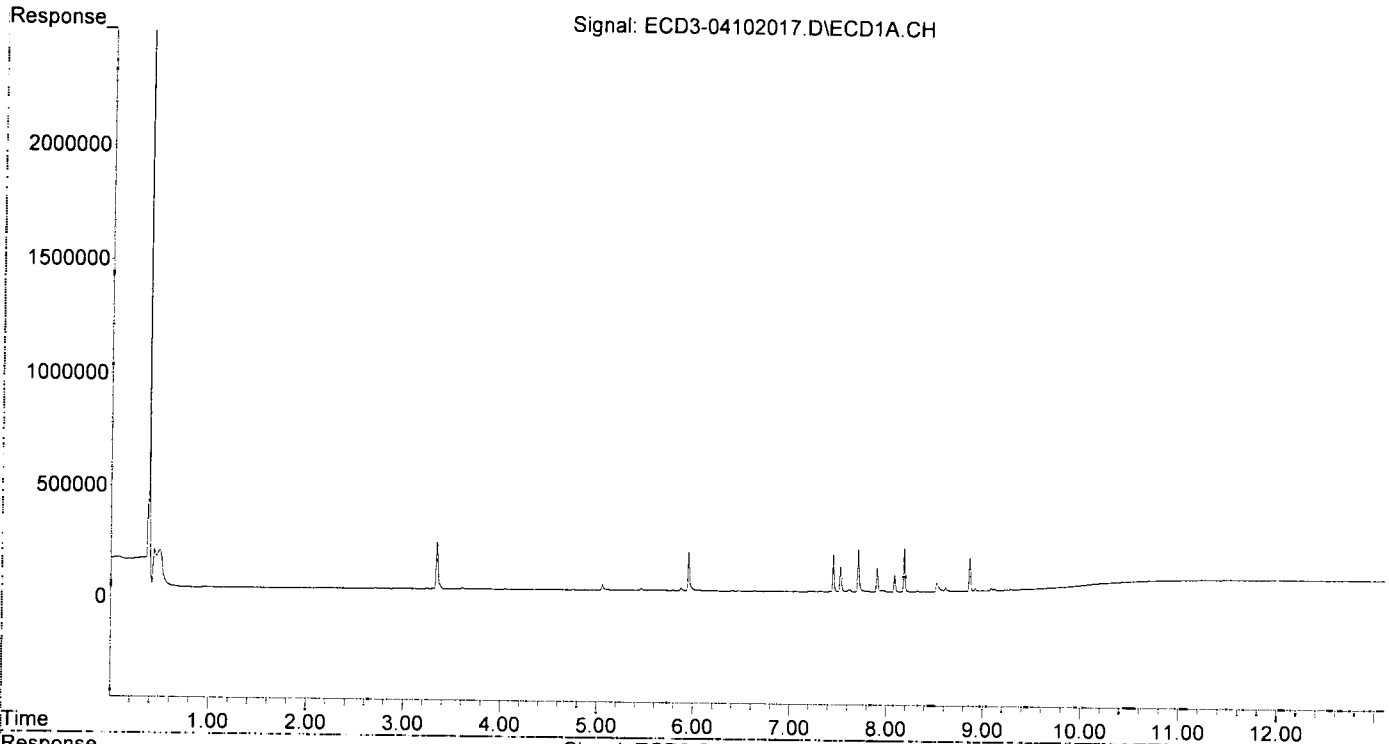
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.080	0	8650	N.D.	1884.038 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	7.318	0	2599	N.D.	0.021 #
7) Aldrin	0.000	7.658	0	5819	N.D.	0.044 #
8) Heptachlo...	7.522	0.000	114378	0	0.731	N.D. #
9) trans-Chl...	7.617	8.216	9623	102014	0.061	0.846 #
10) cis-Chlor...	7.706	8.332	189735	9463	1.209	0.082 #
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	8.593	0	93331	N.D.	0.779 #
14) Endrin	8.181f	8.817	197292	56936	1.599	0.659 #
15) 4,4'-DDD	8.181	8.858	197292	153334	1.625	1.625 #
16) Endosulfa...	0.000	8.965	0	3804	N.D.	0.041 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.610	9.203	17627	13388	BelowCal	3407.041
19) Endosulfa...	8.915	9.394	11254	8072	0.093	0.096
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.112	9.790	6973	100894	0.048	1.055 #
23) Hexachlor...	3.342	3.736	210953	210162	1.056	1.072
24) Hexachlor...	5.948	6.532	171487	145117	1.085	1.088
25) Oxychlorane	7.447	8.010	167657	131841	1.096	1.117
26) 2,4'-DDE	7.522	8.216	114378	102014	1.085	1.088
27) trans-Non...	7.706	8.287	189735	145443	1.118	1.099
28) 2,4'-DDD	7.899	8.593	106028	93331	1.085	1.111
29) 2,4'-DDT	8.083	8.817	77977	56936	1.036	1.061
30) cis-Nonac...	8.181	8.858	197292	153334	1.078	1.083
31) Mirex	8.858	9.790	147950	100894	1.125	1.076
32) Chlordane...	7.617	8.216	9623	102014	0.545	7.051 #
33) Chlordane...	7.706	8.332	189735	9463	9.156	0.766 #
34) Chlordane...	0.000	9.009	0	36347	N.D.	5.766 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.706f	8.593f	189735	93331	227.933	83.333 #
37) Toxaphene...	7.944f	0.000	2059	0	1.366	N.D. #
38) Toxaphene...	0.000	8.965f	0	3804	N.D.	1.753 #
39) Toxaphene...	8.520f	9.009	38990	36347	7.894	1.578 #
40) Toxaphene...	0.000	9.203	0	13388	N.D.	4.132 #
41) Toxaphene...	8.858	0.000	147950	0	48.773	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:48
Operator : MJB
Sample : 0D10031-CALB
Misc : A20C353, 9-42 1 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: Apr 13 12:42:55 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:06
 Operator : MJB
 Sample : OD10031-CALC
 Misc : A20C354, 9-42 2 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: Apr 13 12:43:08 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

WB
4/13/20

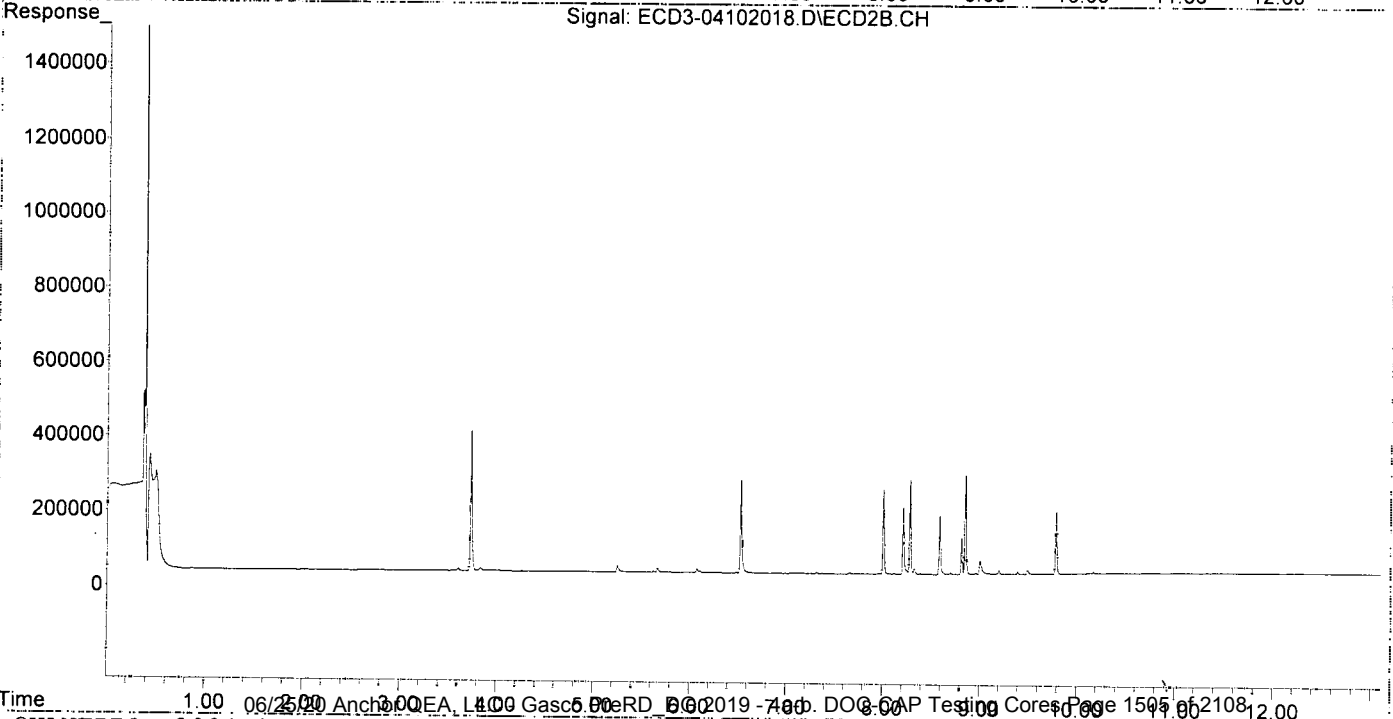
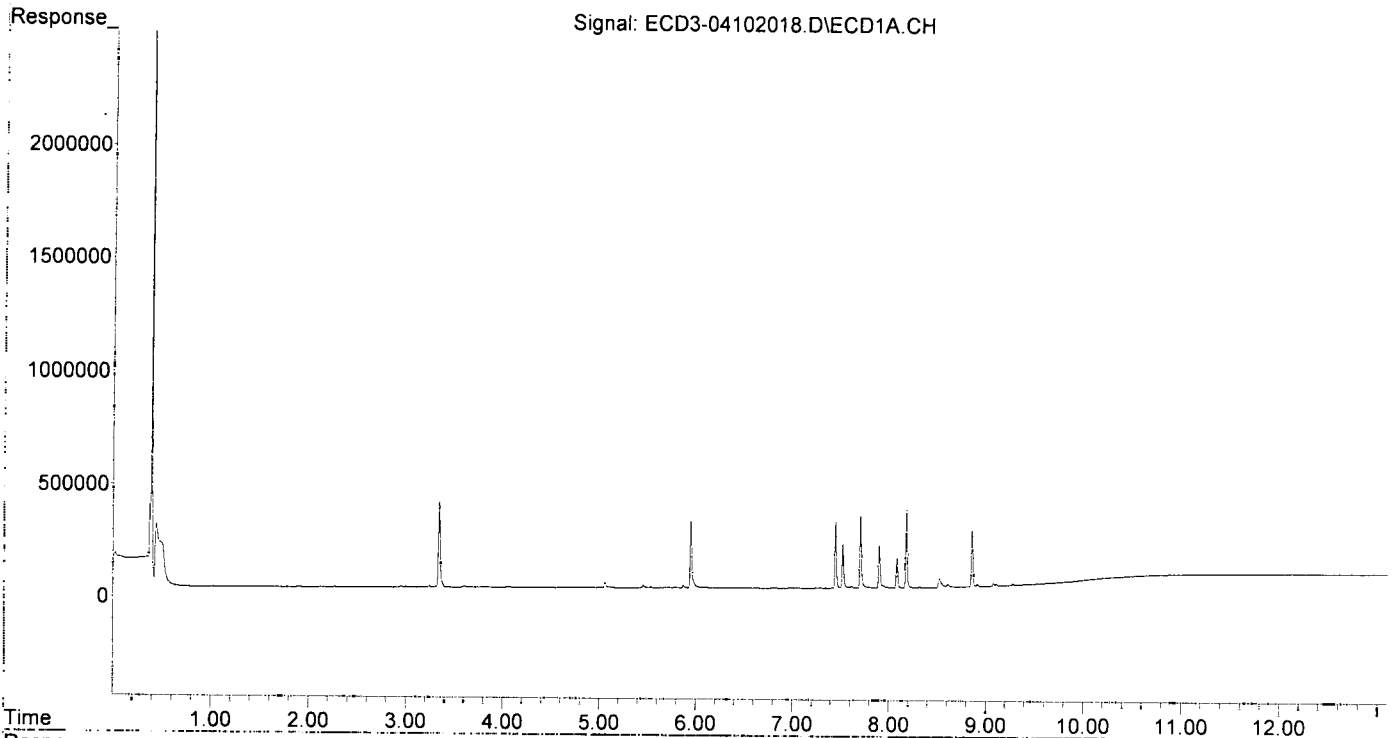
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.080	5051	9196	0.034	1884.033 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	7.319	0	3566	N.D.	0.029 #
7) Aldrin	0.000	7.661f	0	3523	N.D.	0.027 #
8) Heptachlo...	7.523	0.000	197703	0	1.264	N.D. #
9) trans-Chl...	7.616	8.216	8164	175821	0.052	1.458 #
10) cis-Chlor...	7.706	8.331	319860	15042	2.038	0.130 #
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	8.592	0	158108	N.D.	1.320 #
14) Endrin	8.181f	8.818	342161	96604	2.774	1.117 #
15) 4,4'-DDD	8.181	8.858	342161	262929	2.818	2.786
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...	8.610	9.203	13355	10519	BelowCal	3407.077
19) Endosulfa...	8.915	9.395	10240	7570	0.085	0.090
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.111	9.790	6943	167144	0.048	1.747 #
23) Hexachlor...	3.342	3.736	381441	372830	2.041	2.064 #
24) Hexachlor...	5.948	6.533	294999	248384	2.013	2.037 #
25) Oxychlorane	7.448	8.011	296003	226120	2.088	2.073 #
26) 2,4'-DDE	7.523	8.216	197703	175821	2.008	2.044 #
27) trans-Non...	7.706	8.287	319860	251420	2.027	2.060 #
28) 2,4'-DDD	7.900	8.592	187358	158108	2.084	2.085 #
29) 2,4'-DDT	8.083	8.818	133977	96604	1.780	1.801 #
30) cis-Nonac...	8.181	8.858	342161	262929	2.025	2.027 #
31) Mirex	8.858	9.790	248901	167144	2.145	2.055 #
32) Chlordane...	7.616	8.216	8164	175821	0.463	12.153 #
33) Chlordane...	7.706	8.331	319860	15042	15.436	1.217 #
34) Chlordane...	0.000	9.009	0	36045	N.D.	5.682 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.706f	8.592f	319860	158108	384.255	141.170 #
37) Toxaphene...	7.946f	0.000	8823	0	5.855	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.523	9.009	37849	36045	7.486	1.482 #
40) Toxaphene...	0.000	9.203	0	10519	N.D.	2.546 #
41) Toxaphene...	8.858	0.000	248901	0	82.052	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:06
Operator : MJB
Sample : 0D10031-CALC
Misc : A20C354, 9-42 2 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: Apr 13 12:43:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:23
 Operator : MJB
 Sample : 0D10031-CALD
 Misc : A20C355, 9-42 5 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: Apr 13 12:43:21 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

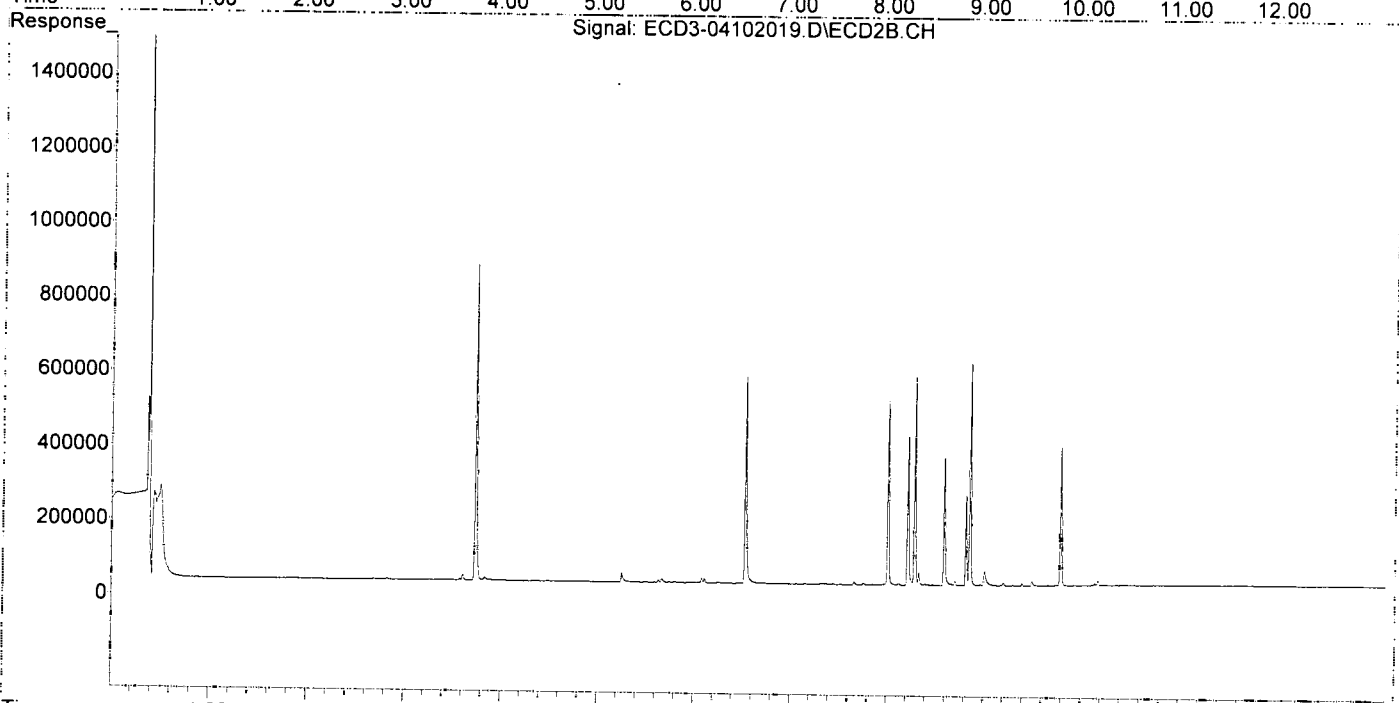
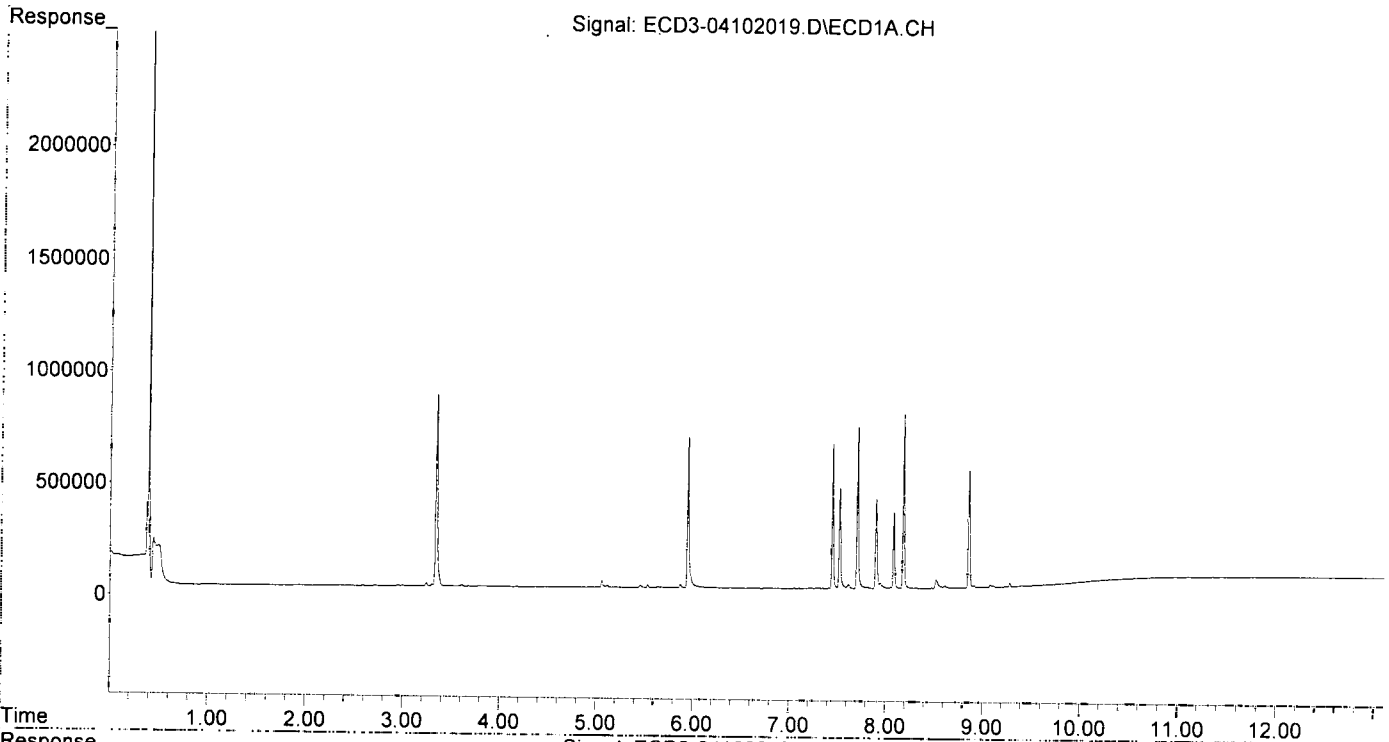
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.080	12101	11703	0.082	1884.011 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	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	7.659	0	6496	N.D.	0.049 #
8) Heptachlo...	7.522	8.114f	448996	3780	2.871	0.032 #
9) trans-Chl...	7.617	8.216	18264	395444	0.116	3.279 #
10) cis-Chlor...	7.705	8.331	722033	30767	4.600	0.266 #
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	8.591	0	342154	N.D.	2.857 #
14) Endrin	8.181f	8.817	779953	240393	6.322	2.781 #
15) 4,4'-DDD	8.181	8.857	779953	594209	6.424	6.297
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...	8.609	9.202	9586	7224	BelowCal	3407.118
19) Endosulfa...	8.914	9.394	8716	5554	0.072	0.066
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.111	9.790	5899	369585	0.041	3.863 #
23) Hexachlor...	3.342	3.736	857802	848292	4.798	4.977
24) Hexachlor...	5.947	6.532	674330	553413	4.859	4.844
25) Oxychlorane	7.447	8.010	646772	490301	4.797	4.756
26) 2,4'-DDE	7.522	8.216	448996	395444	4.788	4.891
27) trans-Non...	7.705	8.286	722033	557194	4.836	4.840
28) 2,4'-DDD	7.899	8.591	402442	342154	4.726	4.855
29) 2,4'-DDT	8.082	8.817	343961	240393	4.569	4.482
30) cis-Nonac...	8.181	8.857	779953	594209	4.883	4.882
31) Mirex	8.858	9.790	521342	369585	4.900	5.050
32) Chlordane...	7.617	8.216	18264	395444	1.035	27.334 #
33) Chlordane...	7.705	8.331	722033	30767	34.844	2.489 #
34) Chlordane...	0.000	9.009	0	36078	N.D.	5.691 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.705f	8.591f	722033	342154	867.396	305.500 #
37) Toxaphene...	7.946f	0.000	23548	0	15.627	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.521	9.009	38451	36078	7.701	1.492 #
40) Toxaphene...	0.000	9.202	0	7224	N.D.	0.725 #
41) Toxaphene...	8.858	0.000	521342	0	171.865	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:23
Operator : MJB
Sample : 0D10031-CALD
Misc : A20C355, 9-42 5 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: Apr 13 12:43:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:40
 Operator : MJB
 Sample : 0D10031-CALE
 Misc : A20C356, 9-42 10 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: Apr 13 12:43:34 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

WB
4/13/20

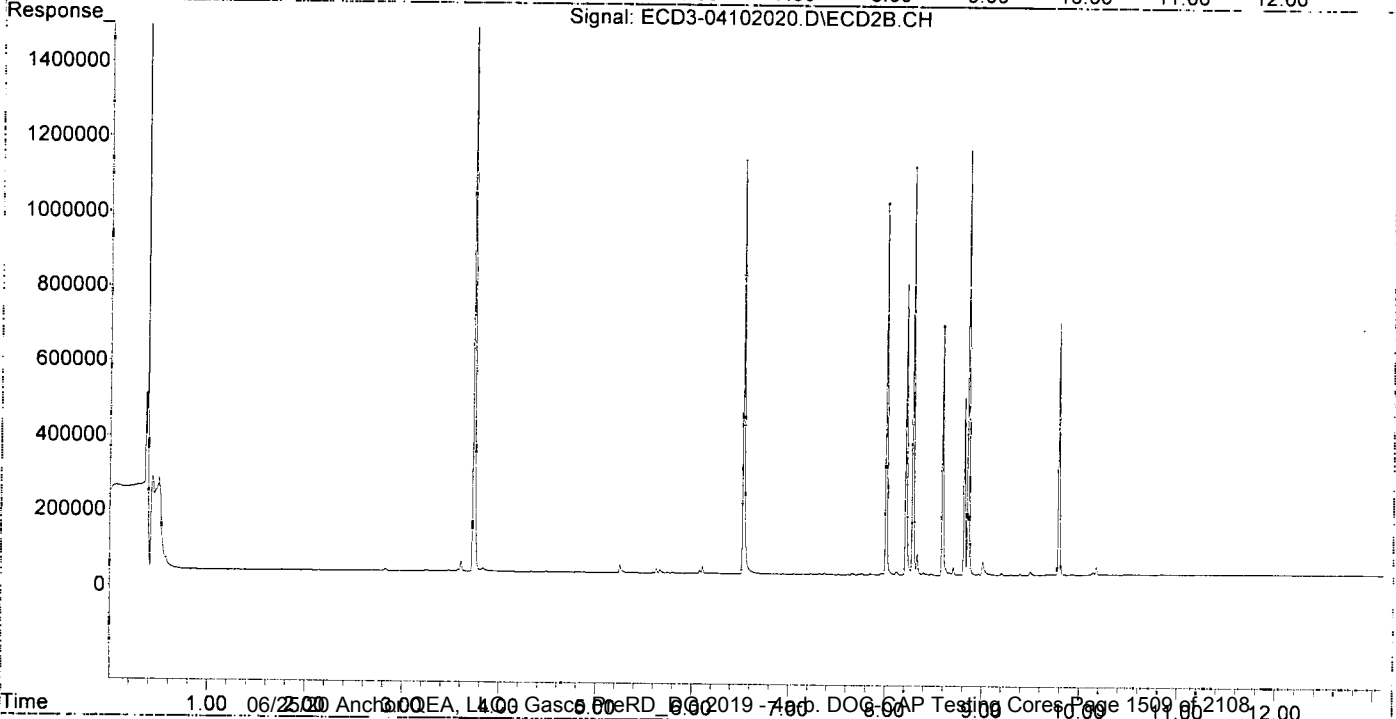
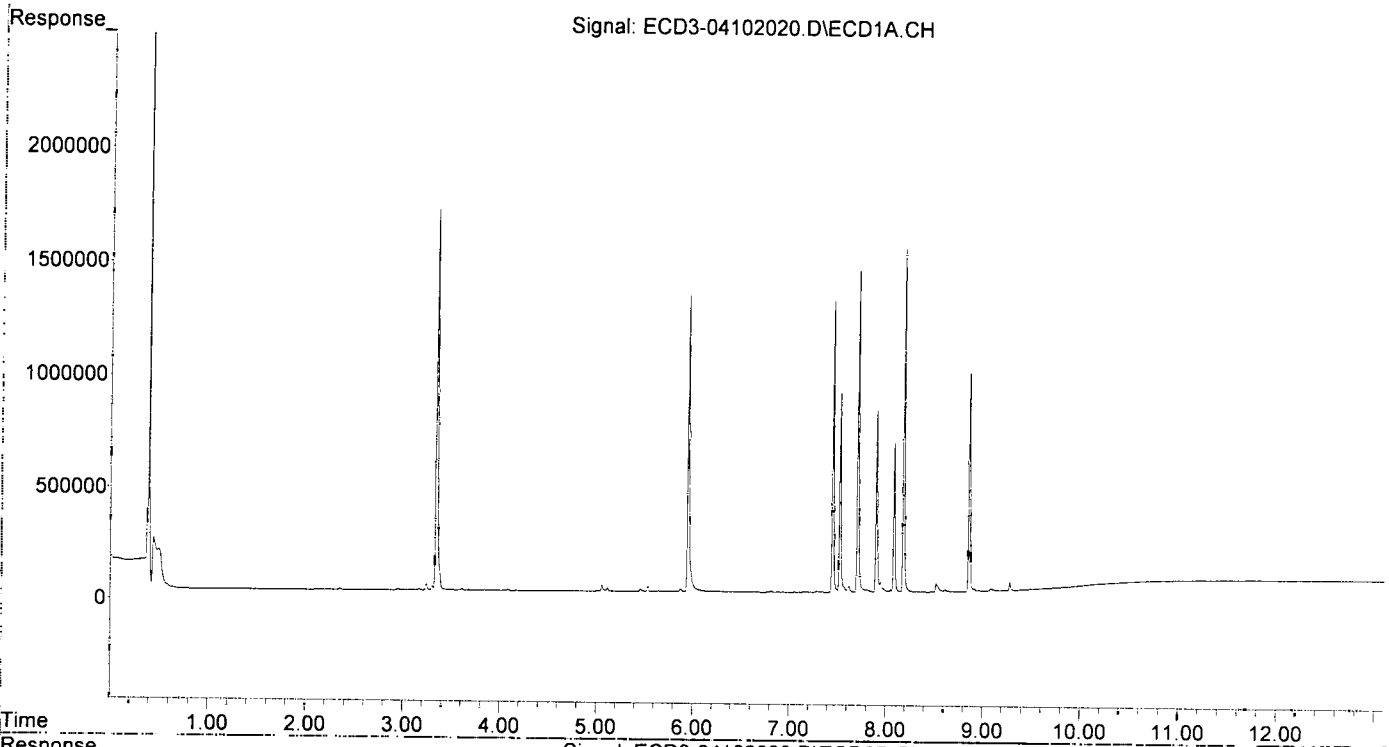
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.080	22207	9206	0.150	1884.033 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.810	7.372	5813	3957	0.036	0.035
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	0.000	7.660	0	5207	N.D.	0.039 #
8) Heptachlo...	7.522	8.116f	889087	7448	5.685	0.063 #
9) trans-Chl...	7.617	8.217	26327	776105	0.167	6.435 #
10) cis-Chlor...	7.705	8.332	1431403	56624	9.119	0.489 #
11) Endosulfa...	7.815	8.395	6196	5549	0.043	0.052
12) 4,4'-DDE	7.795f	0.000	6661	0	0.046	N.D. #
13) Dieldrin	0.000	8.592	0	665503	N.D.	5.558 #
14) Endrin	8.181f	8.818	1524562	472159	12.358	5.462 #
15) 4,4'-DDD	8.181	8.858	1524562	1133487	12.558	12.012
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...	8.611	9.203	9119	6089	BelowCal	3407.132
19) Endosulfa...	8.913	9.395	9161	5052	0.076	0.060
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.111	9.790	5927	672336	0.041	7.027 #
23) Hexachlor...	3.342	3.736	1689587	1632647	9.629	9.828 #
24) Hexachlor...	5.947	6.532	1319038	1101770	9.686	9.908 #
25) Oxychlorane	7.447	8.011	1300026	992994	9.839	9.873 #
26) 2,4'-DDE	7.522	8.217	889087	776105	9.646	9.845 #
27) trans-Non...	7.705	8.287	1431403	1088724	9.788	9.692 #
28) 2,4'-DDD	7.899	8.592	809760	665503	9.727	9.733 #
29) 2,4'-DDT	8.082	8.818	665398	472159	8.839	8.802 #
30) cis-Nonac...	8.181	8.858	1524562	1133487	9.740	9.544 #
31) Mirex	8.858	9.790	976519	672336	9.508	9.538 #
32) Chlordane...	7.617	8.217	26327	776105	1.492	53.646 #
33) Chlordane...	7.705	8.332	1431403	56624	69.076	4.581 #
34) Chlordane...	0.000	9.009	0	34770	N.D.	5.327 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.705f	8.592f	1431403	665503	1719.578	594.209 #
37) Toxaphene...	7.946f	0.000	44010	0	29.207	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.521	9.009	37032	34770	7.194	1.073 #
40) Toxaphene...	0.000	9.203	0	6089	N.D.	0.097 #
41) Toxaphene...	8.858	0.000	976519	0	321.918	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:40
Operator : MJB
Sample : 0D10031-CALE
Misc : A20C356, 9-42 10 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: Apr 13 12:43:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:57
 Operator : MJB
 Sample : OD10031-CALF
 Misc : A20C357, 9-42 25 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: Apr 13 12:43:47 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MA
4/13/20

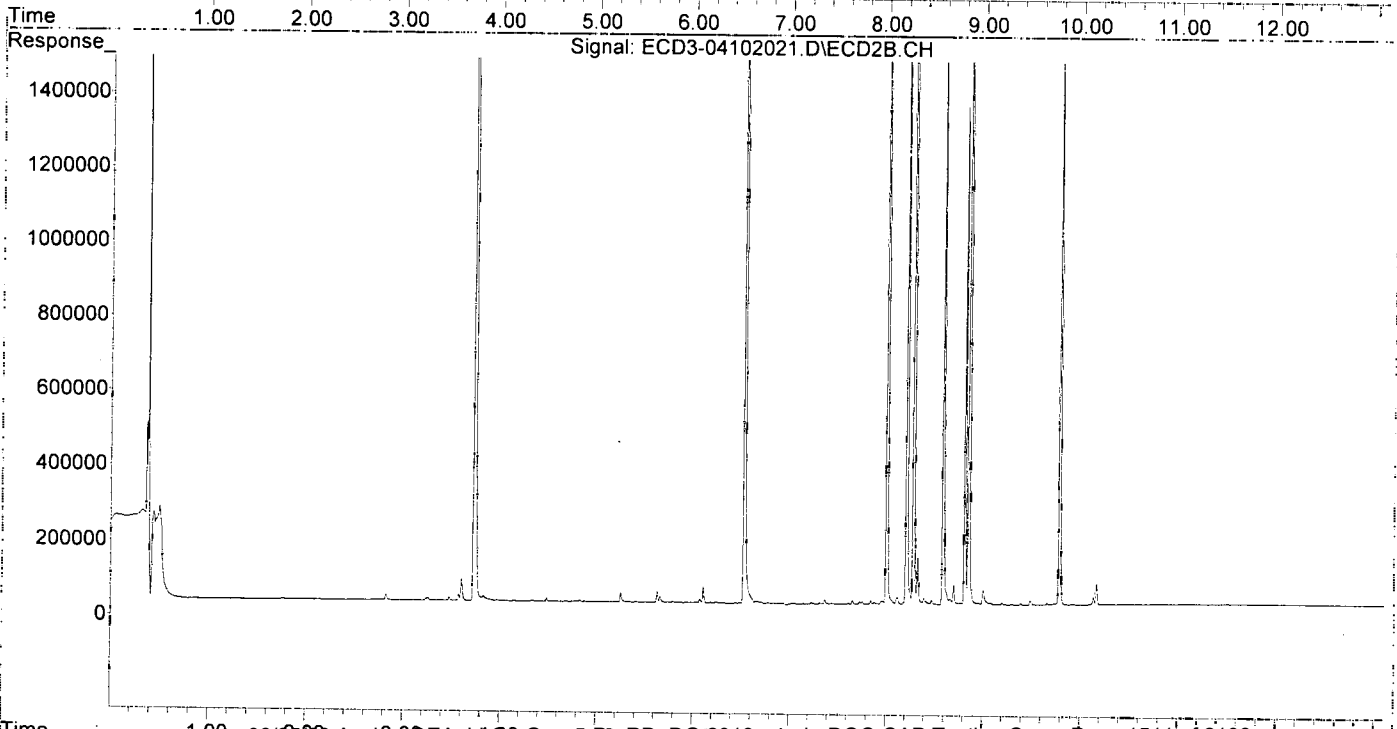
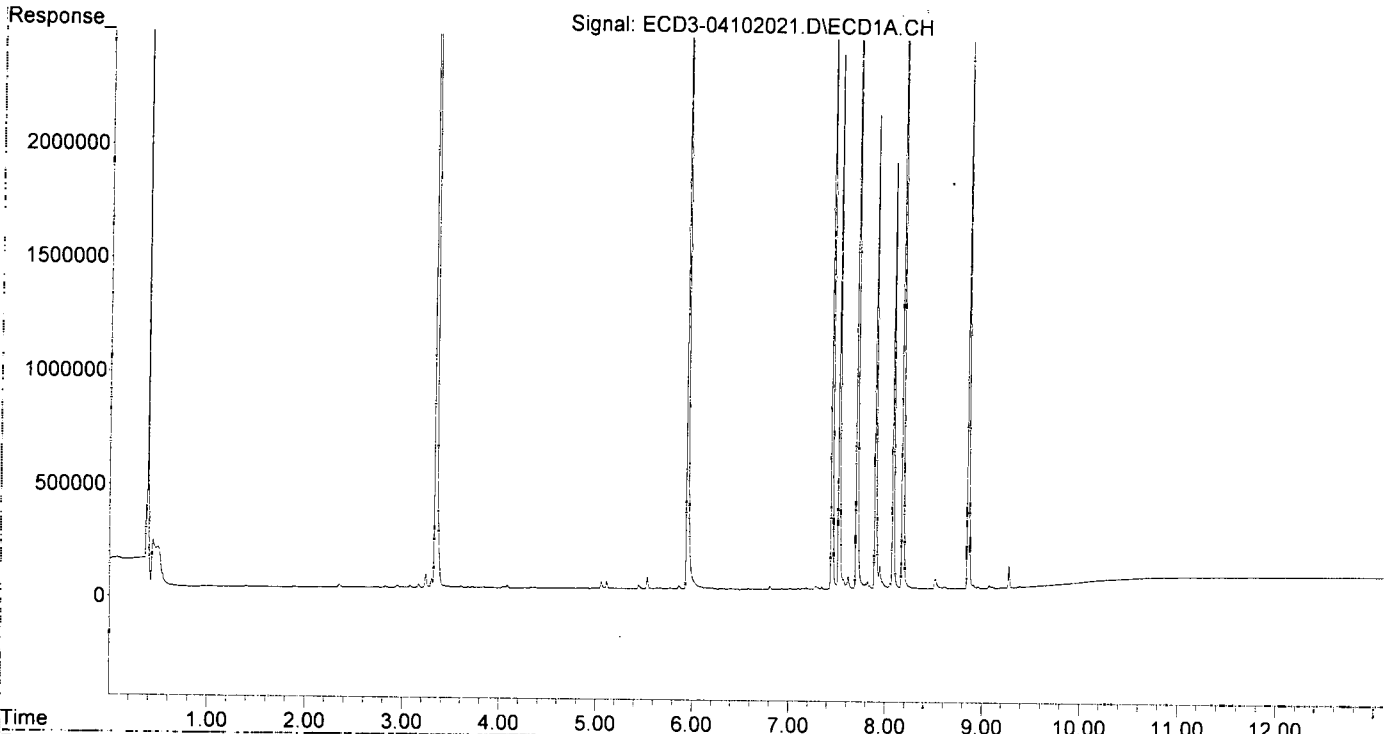
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.074	52823	10043	0.357	1884.026 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	6.097	6.651f	4599	1728	0.023	0.011 #
3) g-BHC	0.000	7.030f	0	1206	N.D.	0.009 #
4) b-BHC	0.000	7.030f	0	1206	N.D.	0.020 #
5) Heptachlor	6.807	7.371	15623	10808	0.095	0.095 #
6) d-BHC	0.000	7.317	0	2799	N.D.	0.023 #
7) Aldrin	0.000	7.656	0	8817	N.D.	0.066 #
8) Heptachlo...	7.519	8.114f	2370241	17721	15.157	0.151 #
9) trans-Chl...	7.615	8.215	58779	1938260	0.374	16.071 #
10) cis-Chlor...	7.704	8.330	3612570	122932	23.014	1.061 #
11) Endosulfa...	7.815	8.393	33177	9086	0.231	0.084 #
12) 4,4'-DDE	7.794f	8.475f	21658	9137	0.150	0.079 #
13) Dieldrin	7.970	8.591	29915	1648579	0.186	13.768 #
14) Endrin	8.179f	8.817	3931964	1331674	31.873	15.404 #
15) 4,4'-DDD	8.179f	8.856	3931964	2939943	32.387	31.155 #
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...	8.610	9.201	8548	5871	BelowCal	3407.135
19) Endosulfa...	0.000	9.393	0	5536	N.D.	0.066 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.109	9.789	6543	1721066	0.045	17.989 #
23) Hexachlor...	3.342	3.736	4236498	3836415	24.564	23.775 #
24) Hexachlor...	5.948	6.532	3410831	2741174	25.265	25.190 #
25) Oxychlorane	7.446	8.009	3280717	2462430	25.099	24.924 #
26) 2,4'-DDE	7.519	8.215	2370241	1938260	25.890	25.115 #
27) trans-Non...	7.704	8.286	3612570	2768485	24.979	25.188 #
28) 2,4'-DDD	7.897	8.591	2101228	1648579	25.552	24.658 #
29) 2,4'-DDT	8.081	8.817	1890884	1331674	25.118	24.826 #
30) cis-Nonac...	8.179	8.856	3931964	2939943	25.386	25.287 #
31) Mirex	8.856	9.789	2445934	1721066	24.423	25.174 #
32) Chlordane...	7.615	8.215	58779	1938260	3.330	133.976 #
33) Chlordane...	7.704	8.330	3612570	122932	174.335	9.945 #
34) Chlordane...	0.000	9.005	0	36798	N.D.	5.891 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.704	8.591f	3612570	1648579	4339.864	1471.970 #
37) Toxaphene...	7.970	0.000	29915	0	19.853	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.515f	9.005	44025	36798	9.693	1.723 #
40) Toxaphene...	0.000	9.201	0	5871	N.D.	BelowCal
41) Toxaphene...	8.856	0.000	2445934	0	806.324	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:57
Operator : MJB
Sample : 0D10031-CALF
Misc : A20C357, 9-42 25 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: Apr 13 12:43:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 17:14
 Operator : MJB
 Sample : OD10031-CALG
 Misc : A20C358, 9-42 50 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: Apr 13 12:43:57 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 4/13/20

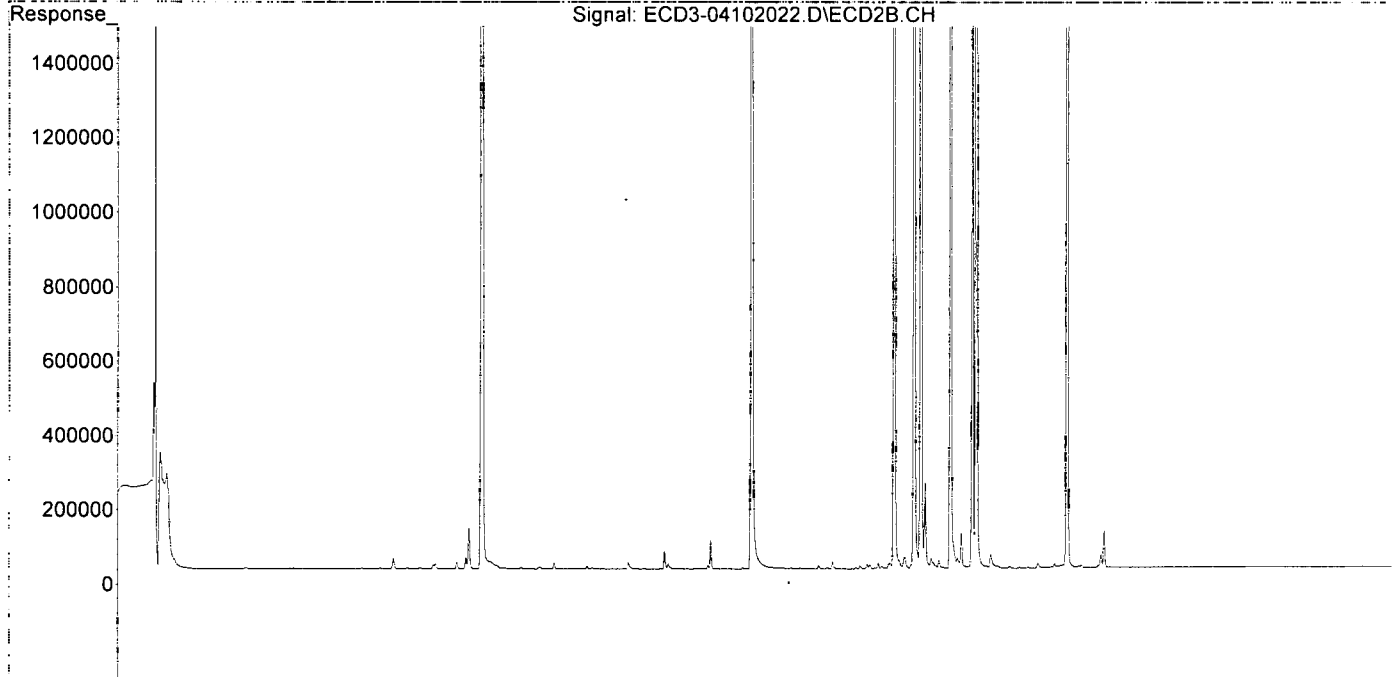
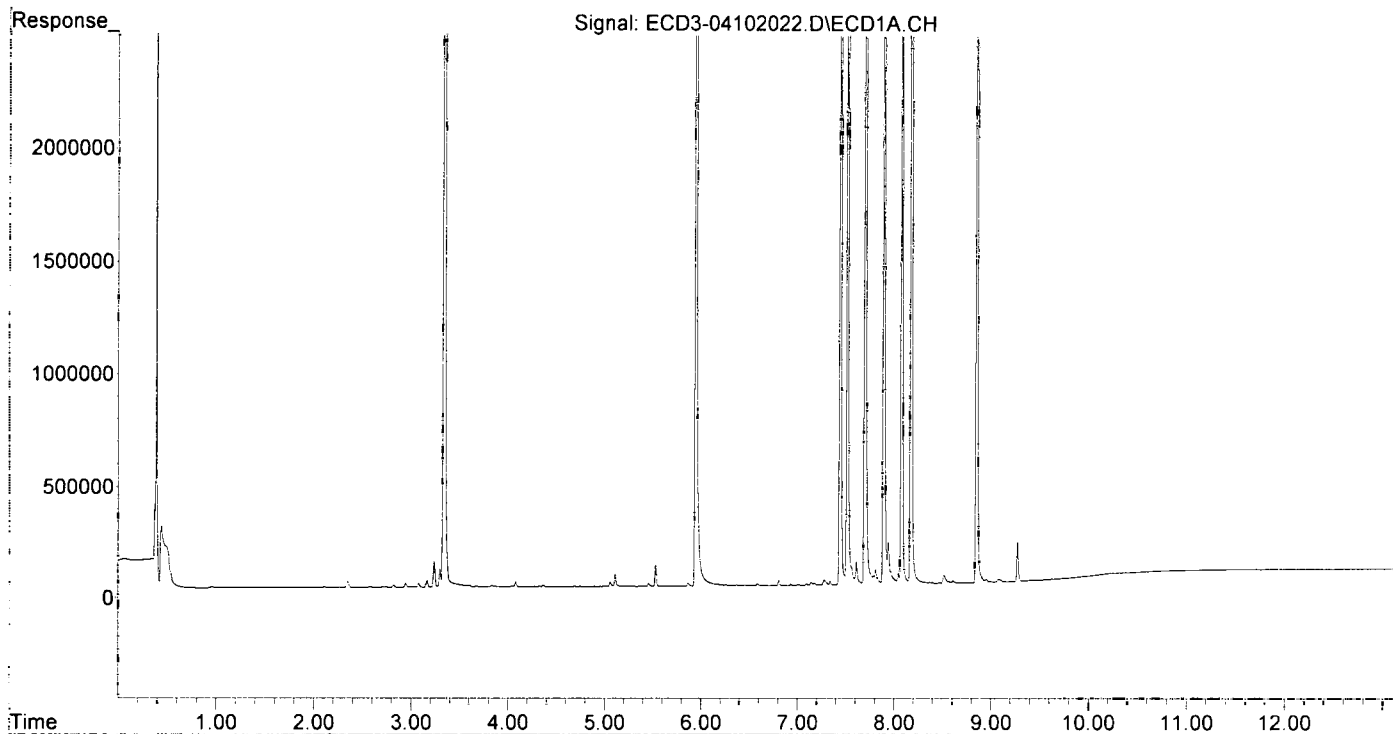
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.080	94172	9796	0.636	1884.028 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.810	7.371	23336	18527	0.143	0.164
6) d-BHC	6.588f	7.319	8010	3524	0.057	0.029 #
7) Aldrin	0.000	7.658	0	8471	N.D.	0.064 #
8) Heptachlo...	7.520	8.114f	4518917	30334	28.896	0.258 #
9) trans-Chl...	7.615	8.215	101252	3659885	0.643	30.347 #
10) cis-Chlor...	7.703	8.331	6909845	229920	44.020	1.985 #
11) Endosulfa...	7.814	8.393	64035	26052	0.446	0.242 #
12) 4,4'-DDE	7.795f	8.414f	36993	15443	0.256	0.134 #
13) Dieldrin	7.970	8.591	52423	3205195	0.326	26.767 #
14) Endrin	8.180f	8.817	7558026	2644918	61.266	30.595 #
15) 4,4'-DDD	8.180f	8.857	7558026	5676373	62.255	60.153
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...	8.615	9.203	10041	4822	BelowCal	3407.148
19) Endosulfa...	0.000	9.393	0	3826	N.D.	0.045 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	9.093	9.789	11953	3205930	0.083	33.508 #
23) Hexachlor...	3.342	3.736	8735674	7661028	51.490	49.228
24) Hexachlor...	5.948	6.532	6661991	5176901	49.234	48.306
25) Oxychlorane	7.446	8.010	6240780	4745169	47.825	48.589
26) 2,4'-DDE	7.520	8.215	4518917	3659885	49.172	48.154
27) trans-Non...	7.703	8.286	6909845	5248360	47.853	48.536
28) 2,4'-DDD	7.897	8.591	4001953	3205195	48.766	48.587
29) 2,4'-DDT	8.081	8.817	3806076	2644918	50.559	49.309
30) cis-Nonac...	8.180	8.857	7558026	5676373	48.799	49.519
31) Mirex	8.856	9.789	4722341	3205930	47.654	47.553
32) Chlordane...	7.615	8.215	101252	3659885	5.736	252.978 #
33) Chlordane...	7.703	8.331	6909845	229920	333.454	18.600 #
34) Chlordane...	0.000	9.008	0	32789	N.D.	4.777 #
35) Chlordane...	3.836	0.000	5318	0	NoCal	N.D.
36) Toxaphene...	7.703	8.591f	6909845	3205195	8300.958	2861.829 #
37) Toxaphene...	7.970	0.000	52423	0	34.790	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.521	9.008	36713	32789	7.080	0.438 #
40) Toxaphene...	0.000	9.203	0	4822	N.D.	BelowCal
41) Toxaphene...	8.856	0.000	4722341	0	1556.761	N.D. #
42) Toxaphene...	3.836	0.000	5318	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 17:14
Operator : MJB
Sample : 0D10031-CALG
Misc : A20C358, 9-42 50 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: Apr 13 12:43:57 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 17:31
 Operator : MJB
 Sample : 0D10031-CALH
 Misc : A20C359, 9-42 100 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: Apr 13 12:44:09 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MB
4/13/20

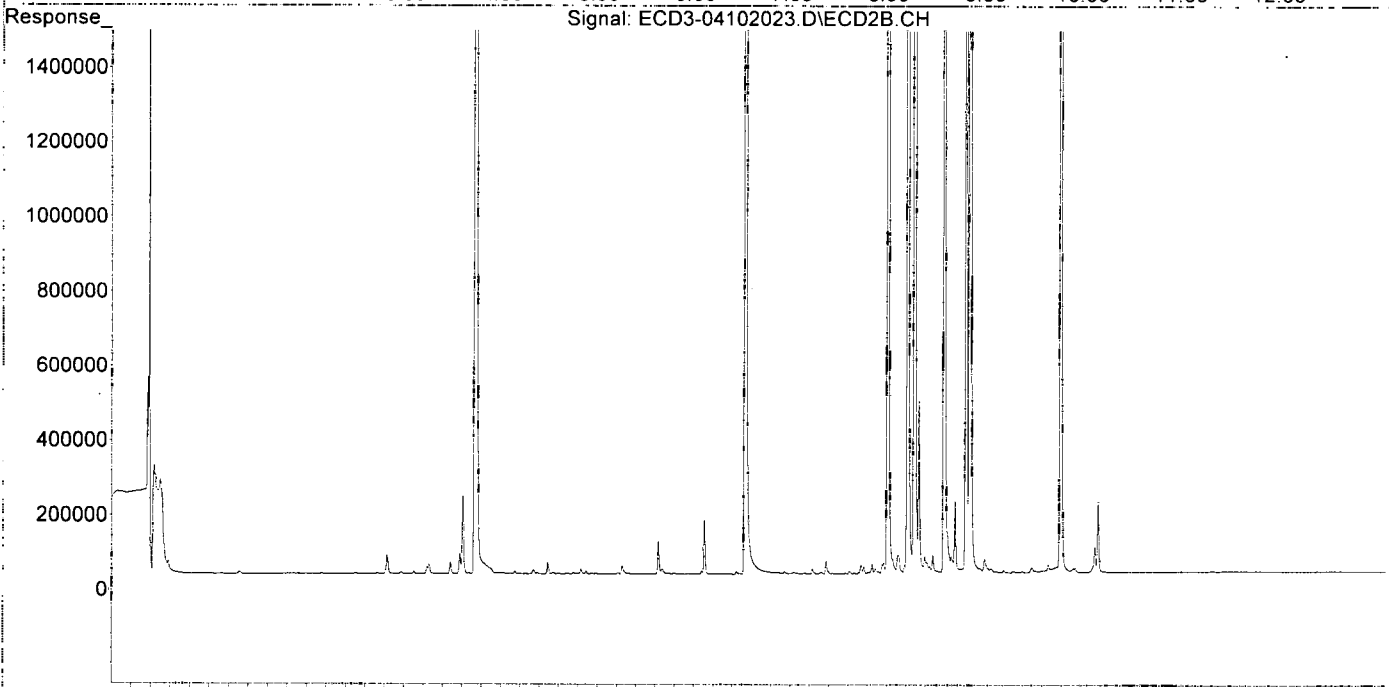
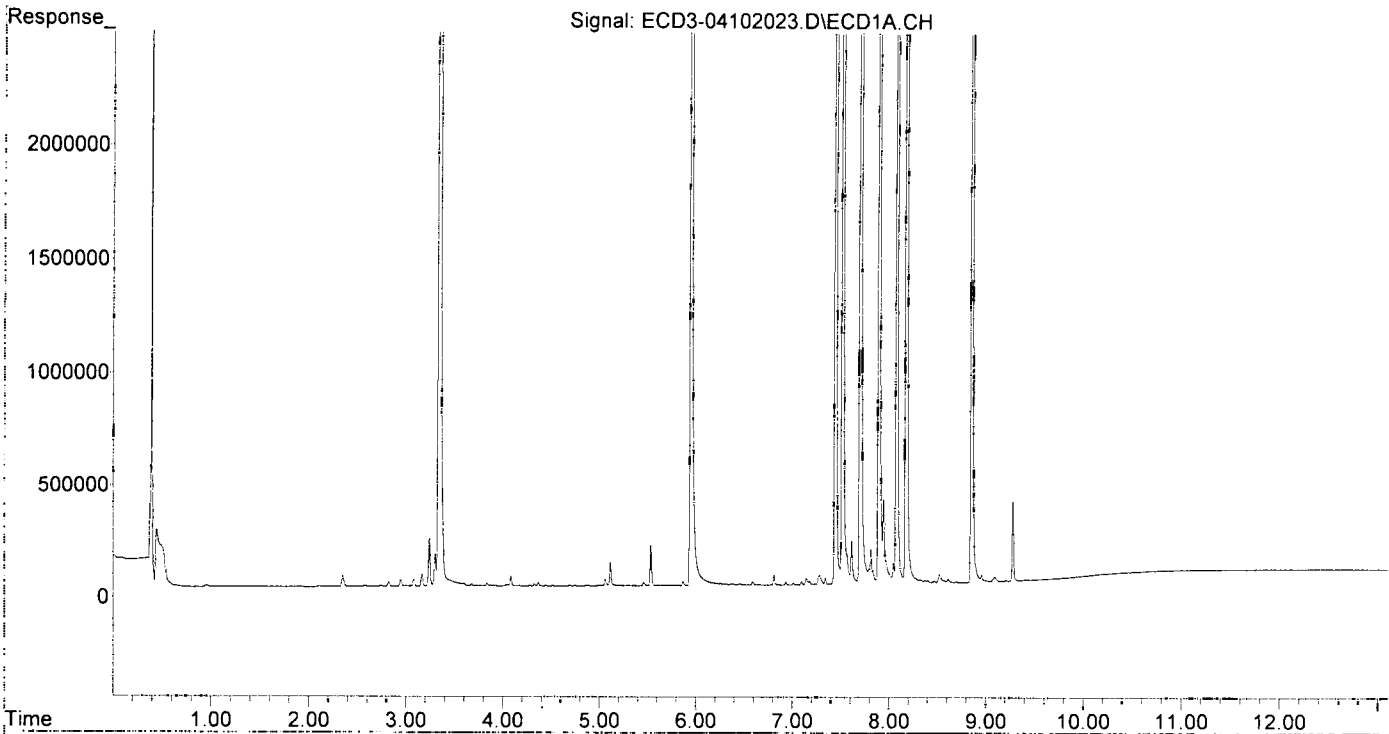
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.533f	6.080	186316	7775	1.258	1884.046 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	6.809	7.371	42400	33935	0.259	0.300
6) d-BHC	6.587f	7.318	12824	4598	0.091	0.038 #
7) Aldrin	0.000	7.612f	0	7521	N.D.	0.057 #
8) Heptachlo...	7.519	8.113f	9420136	48794	60.238	0.415 #
9) trans-Chl...	7.614	8.214	192566	7319258	1.224	60.689 #
10) cis-Chlor...	7.703	8.330	14841913	457744	94.553	3.952 #
11) Endosulfa...	7.813	8.392	153219	45418	1.068	0.422 #
12) 4,4'-DDE	7.793f	8.413f	67330	28362	0.467	0.246 #
13) Dieldrin	7.970	8.591	103627	6389450	0.645	53.360 #
14) Endrin	8.179f	8.817	15616314	5426818	126.588	62.774 #
15) 4,4'-DDD	8.179f	8.857	15616314	11378214	128.630	120.575
16) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17) 4,4'-DDT	8.398	9.071	9396	8269	0.202	0.222
18) Endrin Al...	8.616	9.204	14755	6407	BelowCal	3407.128
19) Endosulfa...	0.000	9.393	0	3993	N.D.	0.047 #
20) Methoxychlor	0.000	9.532f	0	1853	N.D.	0.116 #
21) Endrin Ke...	9.094	9.789	19703	6667267	0.137	69.686 #
23) Hexachlor...	3.342	3.736	17207142	14843032	104.257	102.509
24) Hexachlor...	5.948	6.532	13905902	10342257	101.618	99.096
25) Oxychlorane	7.446	8.009	13063239	9423897	99.850	98.227
26) 2,4'-DDE	7.519	8.214	9420136	7319258	101.092	98.934
27) trans-Non...	7.703	8.285	14841913	10461112	102.435	99.641
28) 2,4'-DDD	7.896	8.591	8200834	6389450	99.723	98.738
29) 2,4'-DDT	8.081	8.817	7906836	5426818	105.033	101.172
30) cis-Nonac...	8.179	8.857	15616314	11378214	100.187	101.619
31) Mirex	8.856	9.789	9796794	6667267	100.001	100.875
32) Chlordane...	7.614	8.214	192566	7319258	10.910	505.920 #
33) Chlordane...	7.703	8.330	14841913	457744	716.238	37.030 #
34) Chlordane...	0.000	9.009	0	33465	N.D.	4.965 #
35) Chlordane...	3.837	0.000	10557	0	NoCal	N.D.
36) Toxaphene...	7.703	8.591f	14841913	6389450	17829.938	5704.962 #
37) Toxaphene...	7.970	0.000	103627	0	68.772	N.D. #
38) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
39) Toxaphene...	8.523	9.009	34901	33465	6.432	0.655 #
40) Toxaphene...	0.000	9.204	0	6407	N.D.	0.273 #
41) Toxaphene...	8.856	0.000	9796794	0	3229.600	N.D. #
42) Toxaphene...	3.837	0.000	10557	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 17:31
Operator : MJB
Sample : 0D10031-CALH
Misc : A20C359, 9-42 100 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: Apr 13 12:44:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 17:49
 Operator : MJB
 Sample : OD10031-CALI
 Misc : A20C352, 9-42 200 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: Apr 13 12:44:23 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

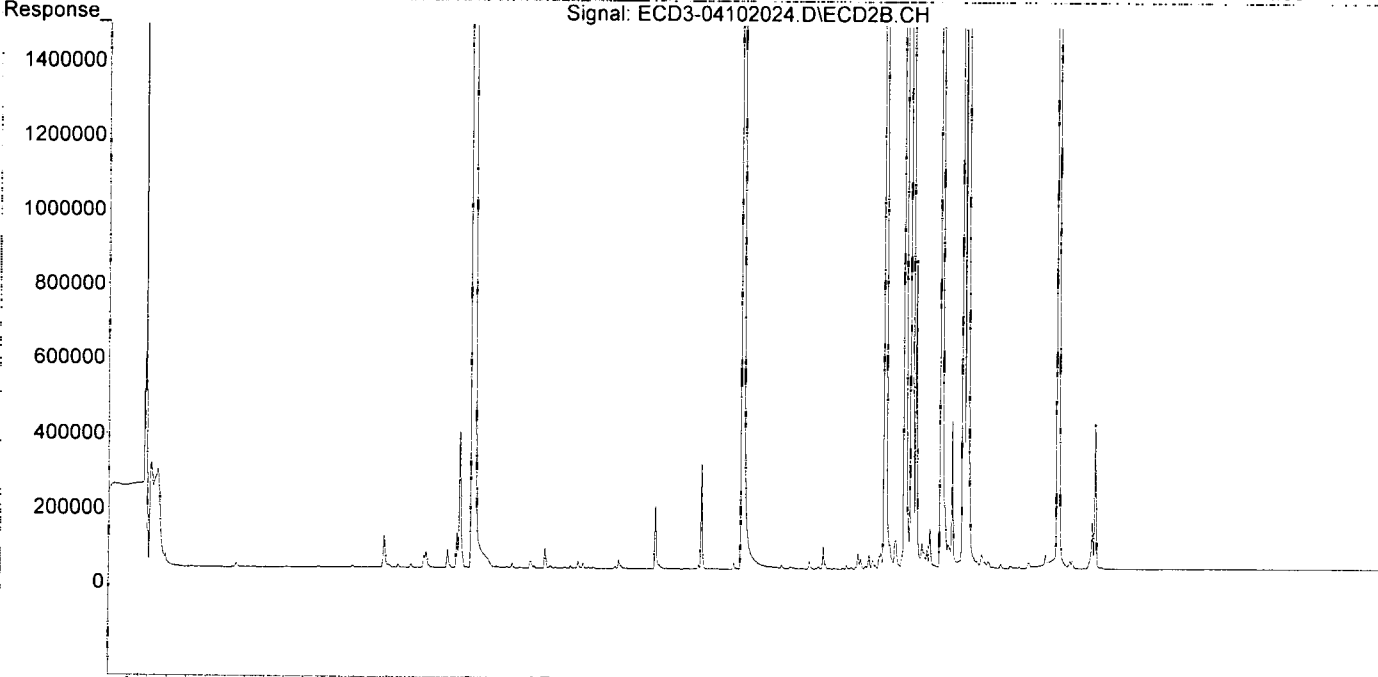
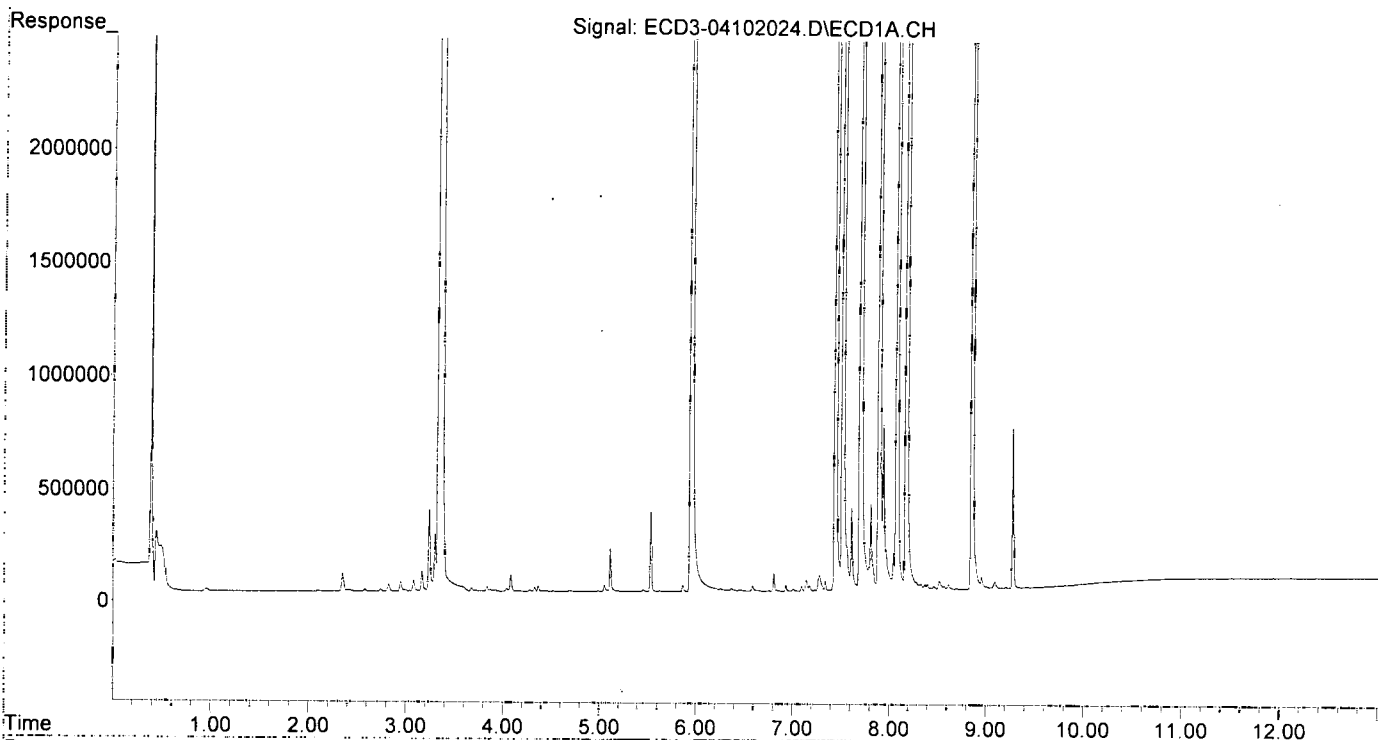
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.534f	6.079	359345	10141	2.426	1884.025 #
22) S DCBP (S)	9.809	0.000	2232	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.369f	0.000	8854	0	0.051	N.D. #
4) b-BHC	0.000	7.033f	0	2985	N.D.	0.049 #
5) Heptachlor	6.809	7.371	79067	59991	0.483	0.530 #
6) d-BHC	6.587f	7.319	21045	6630	0.150	0.054 #
7) Aldrin	0.000	7.659	0	5955	N.D.	0.045 #
8) Heptachlo...	7.519	8.060f	19110459	65627	122.203	0.558 #
9) trans-Chl...	7.614	8.215	366865	14263135	2.331	118.266 #
10) cis-Chlor...	7.703	8.331	29240286	822059	186.280	7.097 #
11) Endosulfa...	7.813	8.393	387782	68738	2.702	0.639 #
12) 4,4'-DDE	7.792	8.444	106549	50715	0.739	0.440 #
13) Dieldrin	7.969	8.591	185937	12705250	1.157	106.104 #
14) Endrin	8.179f	8.817	31802143	11384733	257.793	131.692 #
15) 4,4'-DDD	8.179f	8.856	31802143	21372951	261.951	226.489 #
16) Endosulfa...	8.333	0.000	24618	0	0.203	N.D. #
17) 4,4'-DDT	8.398	9.084	24199	13648	0.374	0.320 #
18) Endrin Al...	8.616	9.206	22531	10444	BelowCal	3407.078 #
19) Endosulfa...	0.000	9.393	0	4019	N.D.	0.048 #
20) Methoxychlor	0.000	9.533f	0	7251	N.D.	0.326 #
21) Endrin Ke...	9.094	9.790	30914	12929032	0.215	135.134 #
23) Hexachlor...	3.343	3.737	30654926	25097902	194.647	200.014 #
24) Hexachlor...	5.948	6.533	27917200	20106640	199.269	202.938 #
25) Oxychlorane	7.446	8.010	26694991	18880326	202.369	203.786 #
26) 2,4'-DDE	7.519	8.215	19110459	14263135	199.362	203.411 #
27) trans-Non...	7.703	8.286	29240286	20044391	199.965	202.343 #
28) 2,4'-DDD	7.896	8.591	16682003	12705250	201.327	203.589 #
29) 2,4'-DDT	8.081	8.817	16615671	11384733	220.720	212.245 #
30) cis-Nonac...	8.179	8.856	31802143	21372951	200.875	199.017 #
31) Mirex	8.856	9.790	19600089	12929032	203.440	201.899 #
32) Chlordane...	7.614	8.215	366865	14263135	20.785	985.893 #
33) Chlordane...	7.703	8.331	29240286	822059	1411.071	66.502 #
34) Chlordane...	0.000	9.009	0	34815	N.D.	5.340 #
35) Chlordane...	3.837	0.000	19236	0	NoCal	N.D.
36) Toxaphene...	7.703	8.591f	29240286	12705250	35127.040	11344.164 #
37) Toxaphene...	7.969	0.000	185937	0	123.396	N.D. #
38) Toxaphene...	8.333f	0.000	24618	0	7.915	N.D. #
39) Toxaphene...	8.521	9.009	38307	34815	7.649	1.087 #
40) Toxaphene...	0.000	9.206	0	10444	N.D.	2.505 #
41) Toxaphene...	8.856	9.533f	19600089	7251	6461.342	3.582 #
42) Toxaphene...	3.837	0.000	19236	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 17:49
Operator : MJB
Sample : 0D10031-CALI
Misc : A20C352, 9-42 200 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: Apr 13 12:44:23 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 18:57
 Operator : MJB
 Sample : 0D10031-CALK
 Misc : A19K307, CHLOR 50 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: Apr 13 12:45:20 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

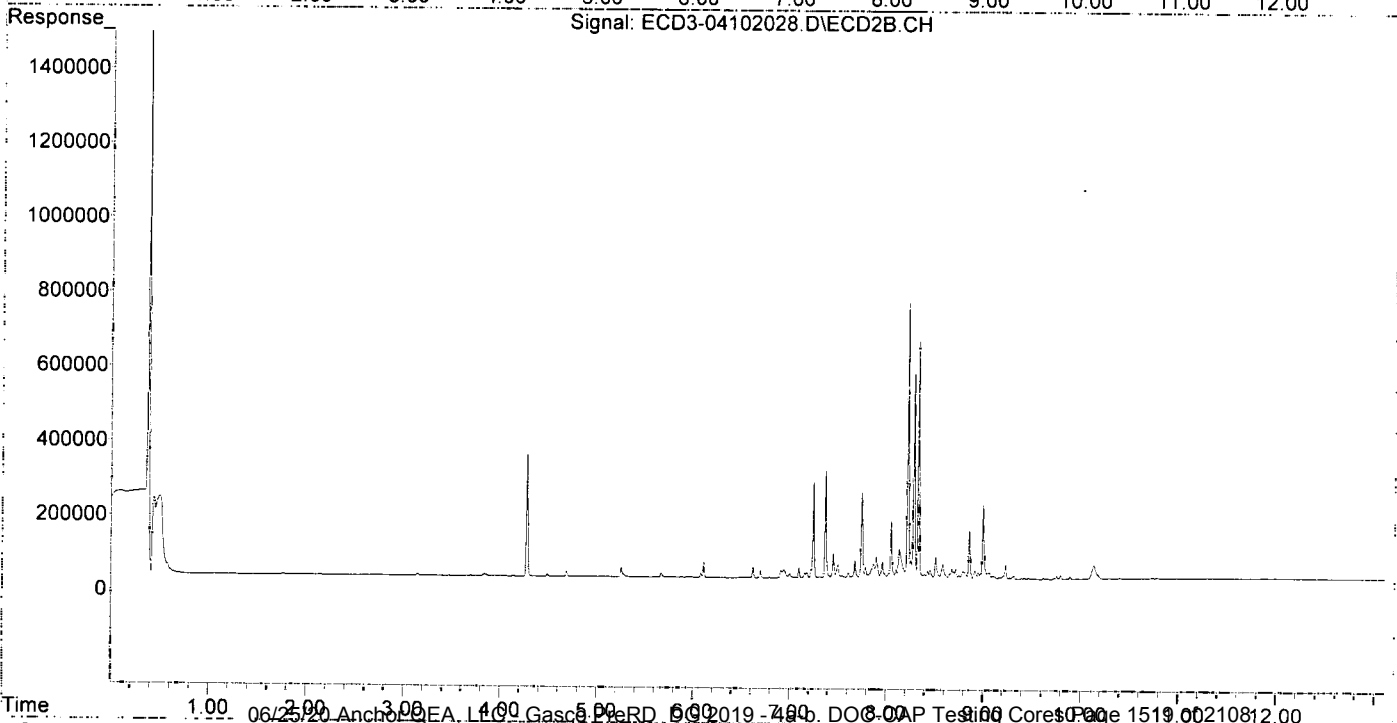
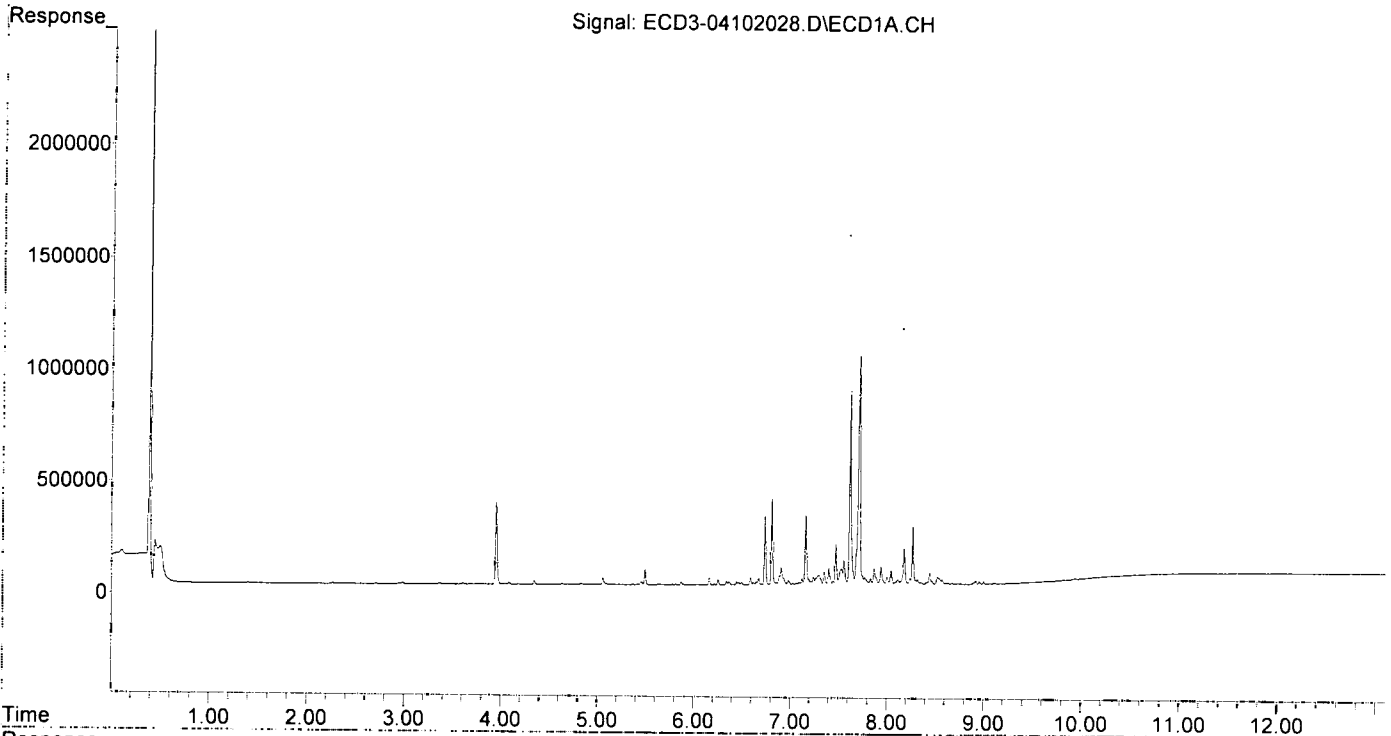
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.076	0	10952	N.D.	1884.018 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	6.698f	0	20695	N.D.	0.132 #
3) g-BHC	6.364f	6.999	13365	11053	0.077	0.082
4) b-BHC	6.462	7.095f	10253	26119	0.150	0.425 #
5) Heptachlor	6.806	7.369	385958	285923	2.357	2.526
6) d-BHC	6.615	0.000	8494	0	0.061	N.D. #
7) Aldrin	7.091f	7.674f	8759	43413	0.052	0.327 #
8) Heptachlo...	7.525	8.099	69129	20796	0.442	0.177 #
9) trans-Chl...	7.615	8.221	860072	734996	5.466	6.094
10) cis-Chlor...	7.709	8.329	1020612	633044	6.502	5.465
11) Endosulfa...	7.829	0.000	21856	0	0.152	N.D. #
12) 4,4'-DDE	7.768	8.426	28530	19498	0.198	0.169
13) Dieldrin	7.999	8.583	26997	37380	0.168	0.312 #
14) Endrin	8.178f	8.809	156980	17989	1.273	0.208 #
15) 4,4'-DDD	8.178f	8.856	156980	128038	1.293	1.357
16) Endosulfa...	8.315	8.971	14183	15185	0.117	0.166 #
17) 4,4'-DDT	0.000	9.065	0	17153	N.D.	0.385 #
18) Endrin Al...	8.569f	9.231f	16338	37801	BelowCal	0.229
19) Endosulfa...	8.914	9.420f	14875	2829	0.123	0.034 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	0.000	9.795	0	10171	N.D.	0.106 #
23) Hexachlor...	3.364f	0.000	5064	0	2108.673	N.D. #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordane	7.441	8.022	13665	10995	BelowCal	3277.626
26) 2,4'-DDE	7.525	8.221	69129	734996	0.583	9.309 #
27) trans-Non...	7.709	8.285	1020612	545529	6.921	4.734
28) 2,4'-DDD	7.867f	8.583	70128	37380	0.644	0.271 #
29) 2,4'-DDT	8.110f	8.809	16994	17989	0.226	0.335 #
30) cis-Nonac...	8.178	8.856	156980	128038	0.814	0.866
31) Mirex	8.893f	9.795	7170	10171	7125.812	3567.379 #
32) Chlordane...	7.615	8.221	860072	734996	48.728	50.804
33) Chlordane...	7.709	8.329	1020612	633044	49.252	51.212 ✓
34) Chlordane...	8.266	8.997	252424	195537	47.442	50.011
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.709f	8.583f	1020612	37380	1226.085	33.376 #
37) Toxaphene...	7.999	8.912	26997	22357	17.916	16.390
38) Toxaphene...	8.315	8.948	14183	17018	4.560	7.841 #
39) Toxaphene...	8.541	8.997	23503	195537	2.356	52.479 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	0.000	0.000	0	0	N.D.	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 18:57
Operator : MJB
Sample : 0D10031-CALK
Misc : A19K307, CHLOR 50 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: Apr 13 12:45:20 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 19:14
 Operator : MJB
 Sample : 0D10031-CALL
 Misc : A19K308, CHLOR 100 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: Apr 13 12:45:43 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

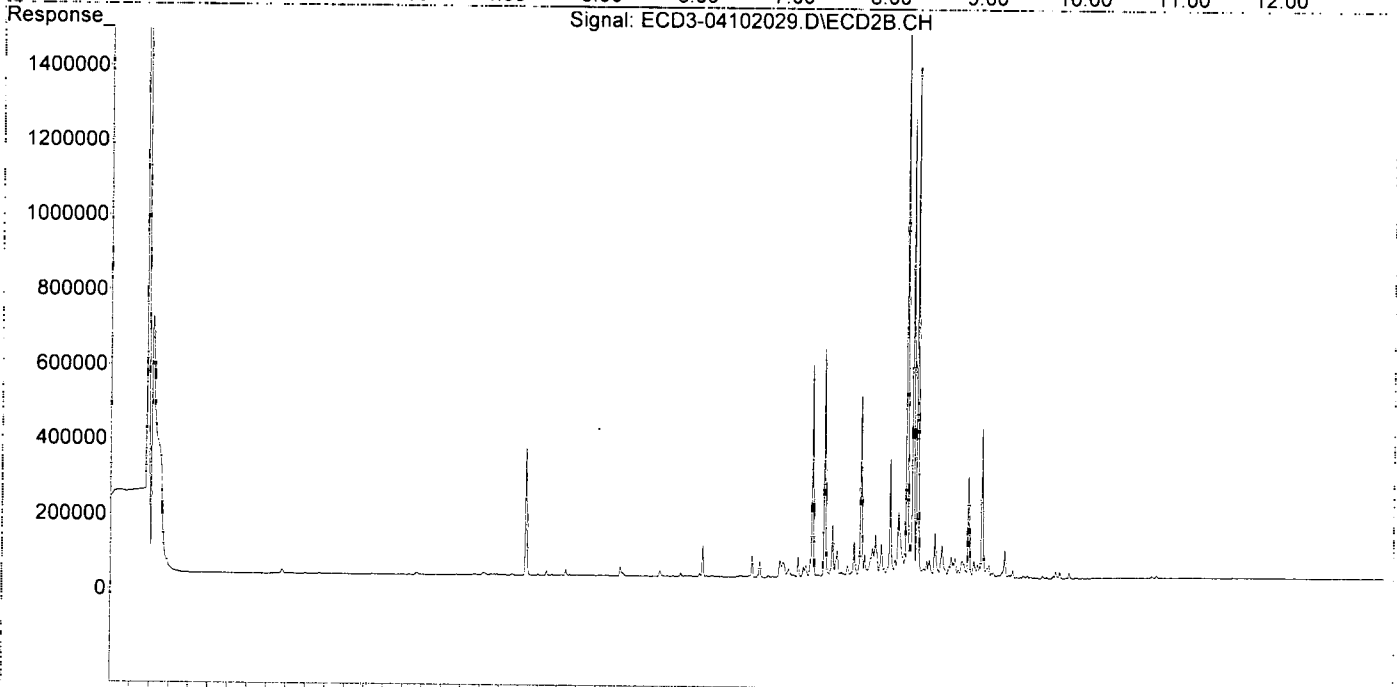
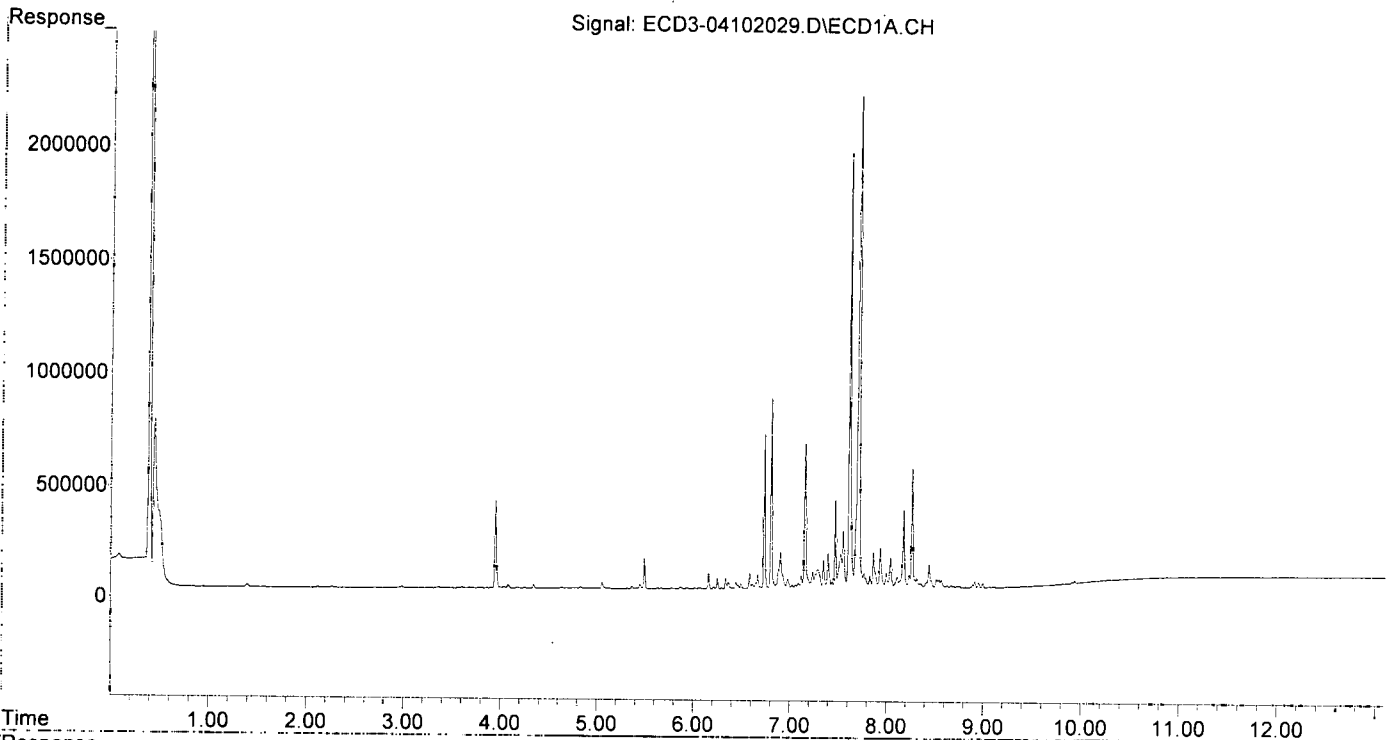
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.073	0	7934	N.D.	1884.044 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	6.698f	0	42321	N.D.	0.270 #
3) g-BHC	6.363f	6.998	28128	23774	0.163	0.176
4) b-BHC	6.460	7.094f	15570	55757	0.228	0.908 #
5) Heptachlor	6.805	7.368	844473	610304	5.157	5.391
6) d-BHC	6.612	0.000	18316	0	0.130	N.D. #
7) Aldrin	7.056	7.673f	9594	96434	0.057	0.726 #
8) Heptachlo...	7.525	8.098	145160	49018	0.928	0.416 #
9) trans-Chl...	7.613	8.220	1921243	1636710	12.209	13.571
10) cis-Chlor...	7.709	8.329	2178319	1360439	13.877	11.745
11) Endosulfa...	7.829	8.393	45473	23918	0.317	0.222
12) 4,4'-DDE	7.768	8.425	56968	44606	0.395	0.387
13) Dieldrin	7.999	8.582	58485	86626	0.364	0.723 #
14) Endrin	8.177f	8.808	336239	37325	2.726	0.432 #
15) 4,4'-DDD	8.177f	8.856	336239	269817	2.770	2.859
16) Endosulfa...	8.313	8.971	24470	31602	0.202	0.345 #
17) 4,4'-DDT	0.000	9.093	0	13271	N.D.	0.314 #
18) Endrin Al...	8.628f	9.230f	8836	73697	BelowCal	0.676
19) Endosulfa...	8.914	9.421f	26753	7053	0.222	0.084 #
20) Methoxychlor	8.728	0.000	7962	0	0.232	N.D. #
21) Endrin Ke...	0.000	9.795	0	17408	N.D.	0.182 #
23) Hexachlor...	3.362f	0.000	5396	0	2108.671	N.D. #
24) Hexachlor...	0.000	6.504f	0	6137	N.D.	2197.572 #
25) Oxychlordane	7.438	8.021	22321	29983	BelowCal	0.084
26) 2,4'-DDE	7.525	8.220	145160	1636710	1.426	21.132 #
27) trans-Non...	7.709	8.284	2178319	1223570	14.995	10.927
28) 2,4'-DDD	7.865f	8.582	152125	86626	1.651	1.011
29) 2,4'-DDT	8.109f	8.808	37830	37325	0.503	0.696
30) cis-Nonac...	8.177	8.856	336239	269817	1.986	2.086
31) Mirex	8.891f	9.795	15556	17408	7125.727	3567.272 #
32) Chlordane...	7.613	8.220	1921243	1636710	108.849	113.132
33) Chlordane...	7.709	8.329	2178319	1360439	105.121	110.056
34) Chlordane...	8.265	8.997	525276	395685	98.723	105.631
35) Chlordane...	0.000	3.829f	0	6016	N.D.	NoCal
36) Toxaphene...	7.709f	8.582f	2178319	86626	2616.865	77.346 #
37) Toxaphene...	7.999	8.912	58485	45413	38.813	33.292
38) Toxaphene...	8.313	8.948	24470	35704	7.867	16.451 #
39) Toxaphene...	8.543	8.997	32167	395685	5.454	116.212 #
40) Toxaphene...	8.755	9.168	9097	8266	3.863	1.301 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	0.000	3.829f	0	6016	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 19:14
Operator : MJB
Sample : 0D10031-CALL
Misc : A19K308, CHLOR 100 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: Apr 13 12:45:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 19:31
 Operator : MJB
 Sample : 0D10031-CALM
 Misc : A19K309, CHLOR 200 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: Apr 13 12:45:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

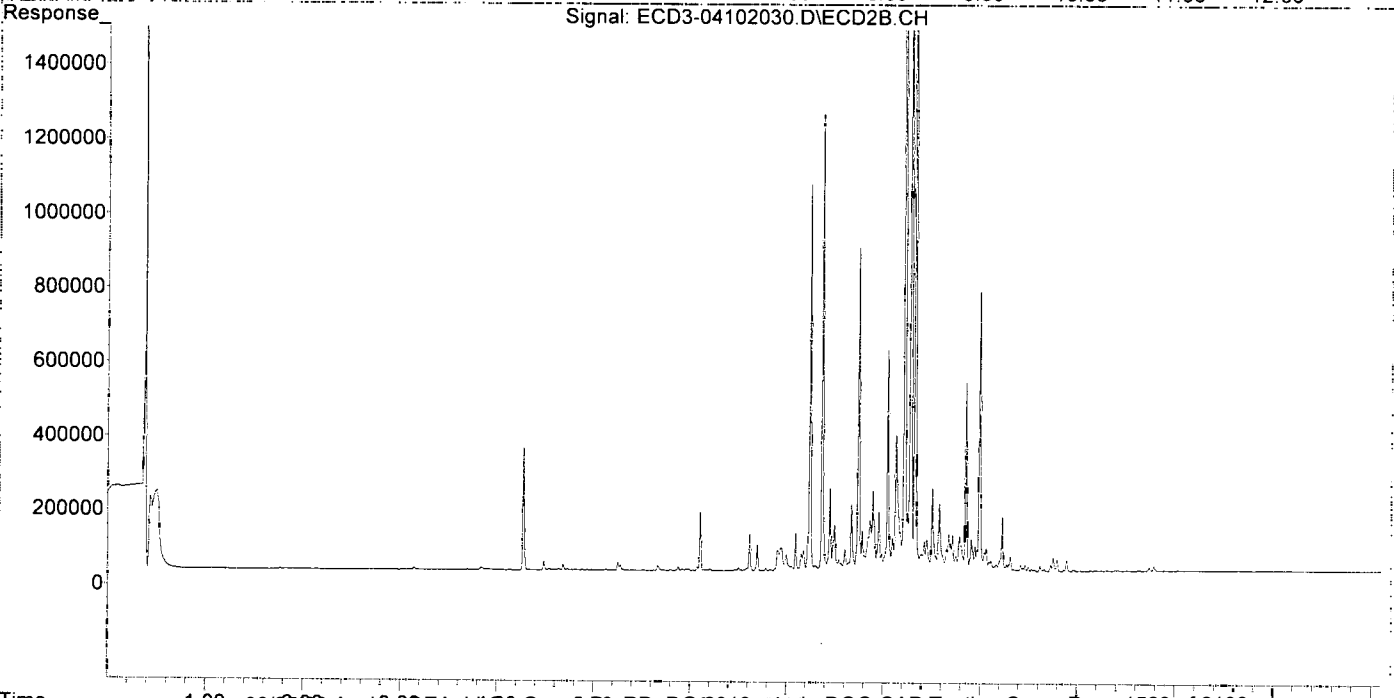
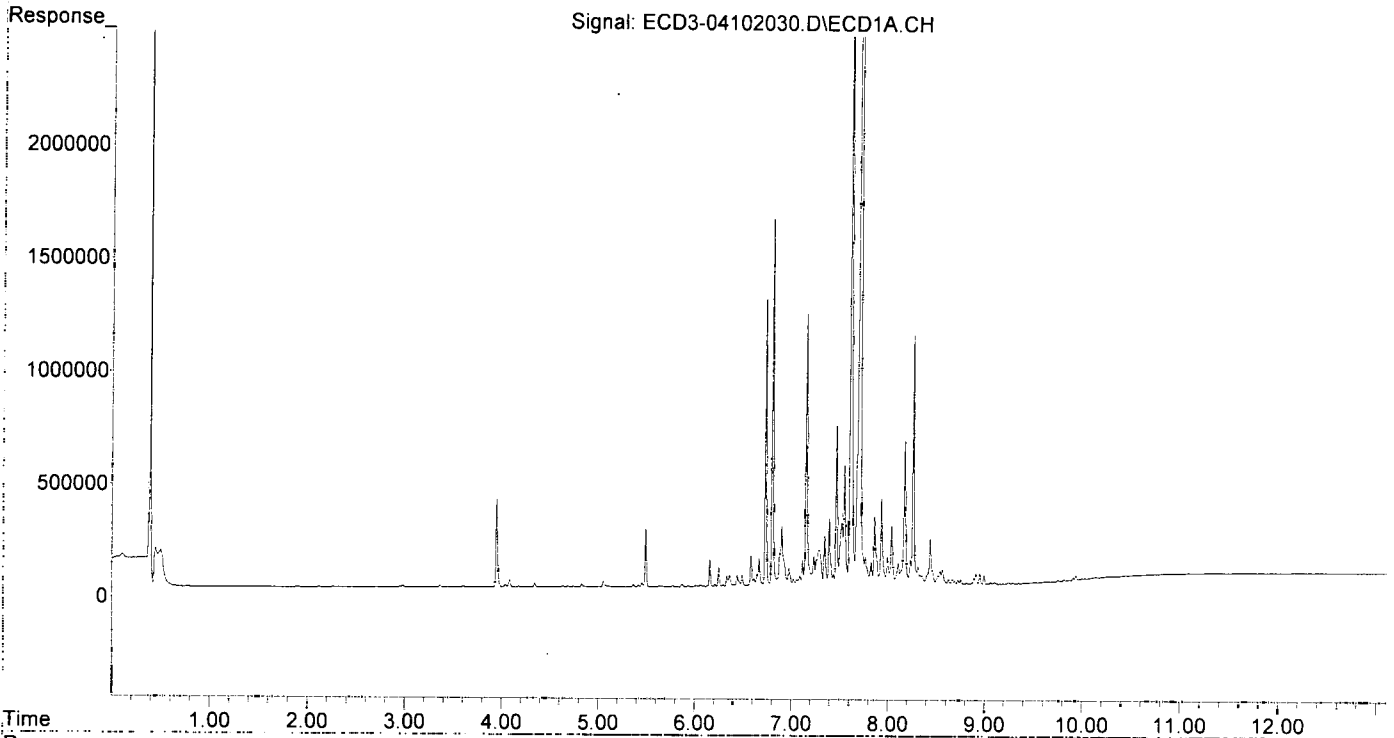
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.077	0	9896	N.D.	1884.027 #
22) S DCBP (S)	9.817	0.000	5574	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	0.000	6.698f	0	70259	N.D.	0.448 #
3) g-BHC	6.363f	6.999	47790	41587	0.277	0.309
4) b-BHC	6.494f	7.095f	48193	100079	0.706	1.630 #
5) Heptachlor	6.806	7.369	1629422	1220796	9.951	10.784
6) d-BHC	6.614	0.000	31948	0	0.228	N.D. #
7) Aldrin	7.057	7.646	27506	21053	0.164	0.158
8) Heptachlo...	7.524	8.099	277895	85302	1.777	0.725 #
9) trans-Chl...	7.613	8.220	3546473	2904795	22.538	24.086
10) cis-Chlor...	7.707	8.328	4127220	2508298	26.293	21.655
11) Endosulfa...	7.828	8.397	101793	42007	0.709	0.391 #
12) 4,4'-DDE	7.768	8.425	124078	77661	0.860	0.674
13) Dieldrin	7.998	8.582	123888	177172	0.771	1.480 #
14) Endrin	8.177f	8.808	637879	65729	5.171	0.760 #
15) 4,4'-DDD	8.177f	8.856	637879	502401	5.254	5.324
16) Endosulfa...	8.314	8.971	79708	56157	0.658	0.612
17) 4,4'-DDT	0.000	9.094	0	21615	N.D.	0.466 #
18) Endrin Al...	8.628f	9.230f	22853	141835	BelowCal	1.525
19) Endosulfa...	8.913	9.420f	49154	12954	0.408	0.154 #
20) Methoxychlor	8.728	9.531f	19063	4579	0.503	0.222 #
21) Endrin Ke...	9.102	9.794	7213	30320	0.050	0.317 #
23) Hexachlor...	3.363f	0.000	5994	0	2108.667	N.D. #
24) Hexachlor...	5.937	6.505f	3665	7964	BelowCal	2197.555
25) Oxychlorane	7.438	8.022	47827	49280	0.170	0.280 #
26) 2,4'-DDE	7.524	8.220	277895	2904795	2.896	37.986 #
27) trans-Non...	7.707	8.284	4127220	2258951	28.557	20.461
28) 2,4'-DDD	7.865f	8.582	305299	177172	3.533	2.372
29) 2,4'-DDT	8.109f	8.808	96524	65729	1.282	1.225
30) cis-Nonac...	8.177	8.856	637879	502401	3.956	4.090
31) Mirex	8.892f	9.794	29154	30320	7125.589	0.034 #
32) Chlordane...	7.613	8.220	3546473	2904795	200.928	200.785
33) Chlordane...	7.707	8.328	4127220	2508298	199.170	202.914
34) Chlordane...	8.265	8.996	1111336	745316	208.870	202.768
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.707f	8.582f	4127220	177172	4958.126	158.192 #
37) Toxaphene...	7.998	8.912	123888	82901	82.217	60.775
38) Toxaphene...	8.314	8.948	79708	64409	25.627	29.677
39) Toxaphene...	8.544	8.996	60255	745316	15.491	226.843 #
40) Toxaphene...	8.755	9.170	20690	14439	8.785	4.714 #
41) Toxaphene...	8.814f	0.000	6892	0	2.272	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 19:31
Operator : MJB
Sample : 0D10031-CALM
Misc : A19K309, CHLOR 200 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: Apr 13 12:45:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 19:49
 Operator : MJB
 Sample : 0D10031-CALN
 Misc : A19K310, CHLOR 500 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: Apr 13 12:46:06 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

WB
4/13/20

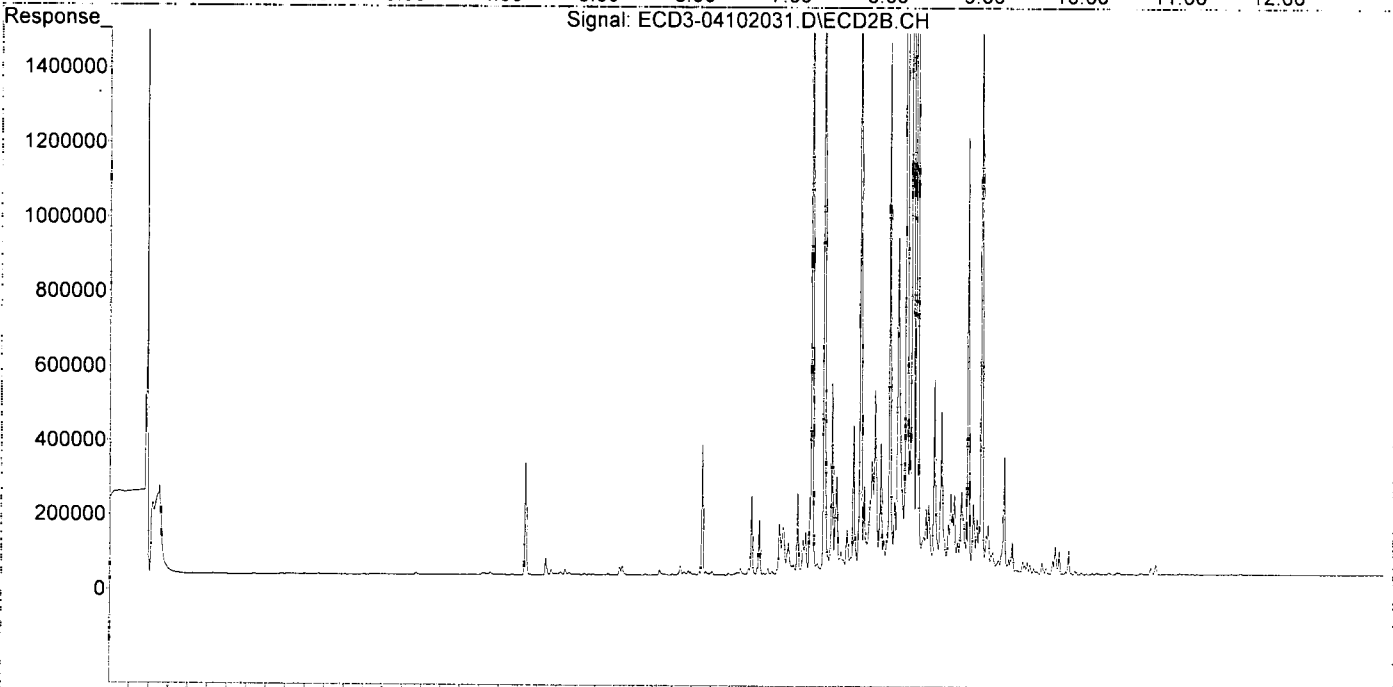
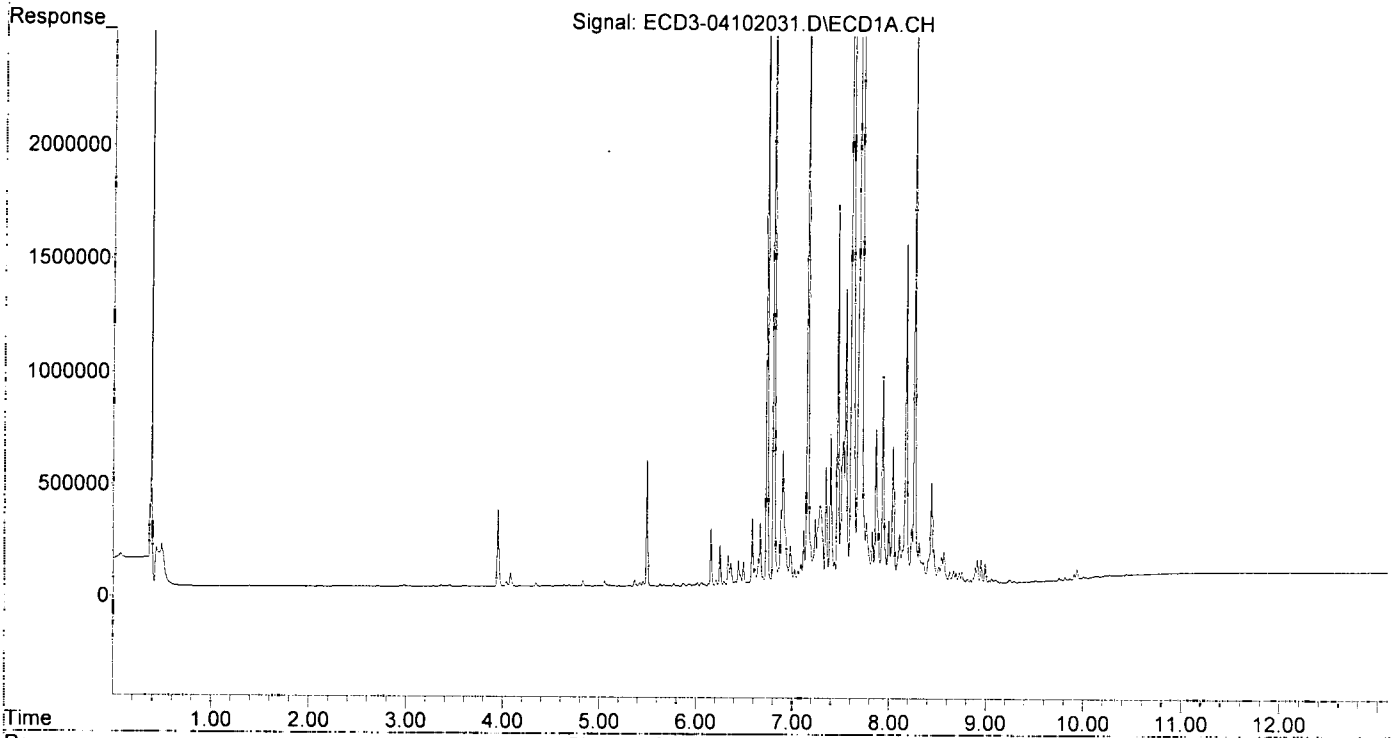
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.076	0	8150	N.D.	1884.042 #
22) S DCBP (S)	9.816	0.000	13691	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	6.093	6.698f	6402	148510	0.032	0.946 #
3) g-BHC	6.409	6.998	18269	85508	0.106	0.635 #
4) b-BHC	6.494f	7.050	106209	26376	1.557	0.429 #
5) Heptachlor	6.806	7.369	3888559	2726350	23.747	24.084
6) d-BHC	6.611	7.300	77688	29611	0.553	0.242 #
7) Aldrin	7.057	7.644	64626	48163	0.386	0.362
8) Heptachlo...	7.524	8.099	644481	194968	4.121	1.657 #
9) trans-Chl...	7.613	8.220	8257015	6758715	52.473	56.041
10) cis-Chlor...	7.707	8.329	9851749	5655525	62.762	48.827
11) Endosulfa...	7.828	8.401	235945	99705	1.644	0.927 #
12) 4,4'-DDE	7.767	8.425	278109	176252	1.928	1.531
13) Dieldrin	7.998	8.582	286461	435961	1.782	3.641 #
14) Endrin	8.177f	8.808	1513903	150237	12.272	1.738 #
15) 4,4'-DDD	8.177f	8.855	1513903	1167000	12.470	12.367
16) Endosulfa...	8.314	8.971	184601	133551	1.525	1.456
17) 4,4'-DDT	0.000	9.094	0	53741	N.D.	1.053 #
18) Endrin Al...	8.628f	9.230f	52412	316051	0.285	3.697 #
19) Endosulfa...	8.914	9.421f	103812	35403	0.862	0.421 #
20) Methoxychlor	8.728	9.530f	47071	16316	1.185	0.677 #
21) Endrin Ke...	9.100	9.795	15165	62124	0.105	0.649 #
23) Hexachlor...	3.364f	0.000	4927	0	2108.674	N.D. #
24) Hexachlor...	5.934	6.505f	9914	17833	BelowCal	2197.465
25) Oxychlorane	7.438	8.021	101551	114487	0.585	0.941 #
26) 2,4'-DDE	7.524	8.220	644481	6758715	6.948	90.985 #
27) trans-Non...	7.707	8.284	9851749	5141945	68.169	47.522
28) 2,4'-DDD	7.865f	8.582	699446	435961	8.373	6.269
29) 2,4'-DDT	8.108f	8.808	223327	150237	2.967	2.801
30) cis-Nonac...	8.177	8.855	1513903	1167000	9.670	9.834
31) Mirex	8.842	9.795	14024	62124	7125.742	0.503 #
32) Chlordane...	7.613	8.220	8257015	6758715	467.807	467.174
33) Chlordane...	7.707	8.329	9851749	5655525	475.423	457.516
34) Chlordane...	8.264	8.997	2640047	1759160	496.183	484.277
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.707f	8.582f	9851749	435961	11835.137	389.257 #
37) Toxaphene...	7.998	8.912	286461	189705	190.108	139.073
38) Toxaphene...	8.314	8.948	184601	149529	59.350	68.896
39) Toxaphene...	8.544	8.997	116418	1759160	35.529	542.793 #
40) Toxaphene...	8.754	9.169	50513	39092	21.448	18.337
41) Toxaphene...	8.842	0.000	14024	0	4.623	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 19:49
Operator : MJB
Sample : OD10031-CALN
Misc : A19K310, CHLOR 500 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: Apr 13 12:46:06 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 20:06
 Operator : MJB
 Sample : OD10031-CALO
 Misc : A19K311, CHLOR 1000 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: Apr 13 12:46:14 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

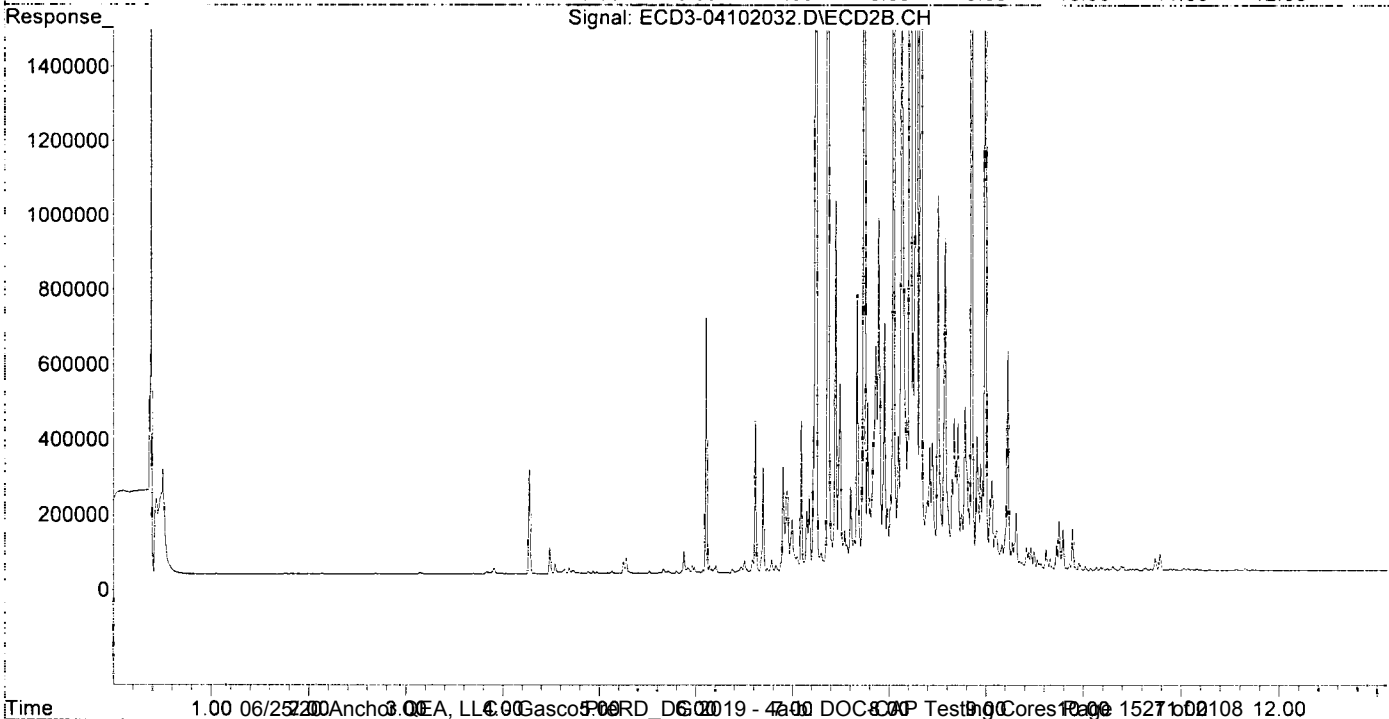
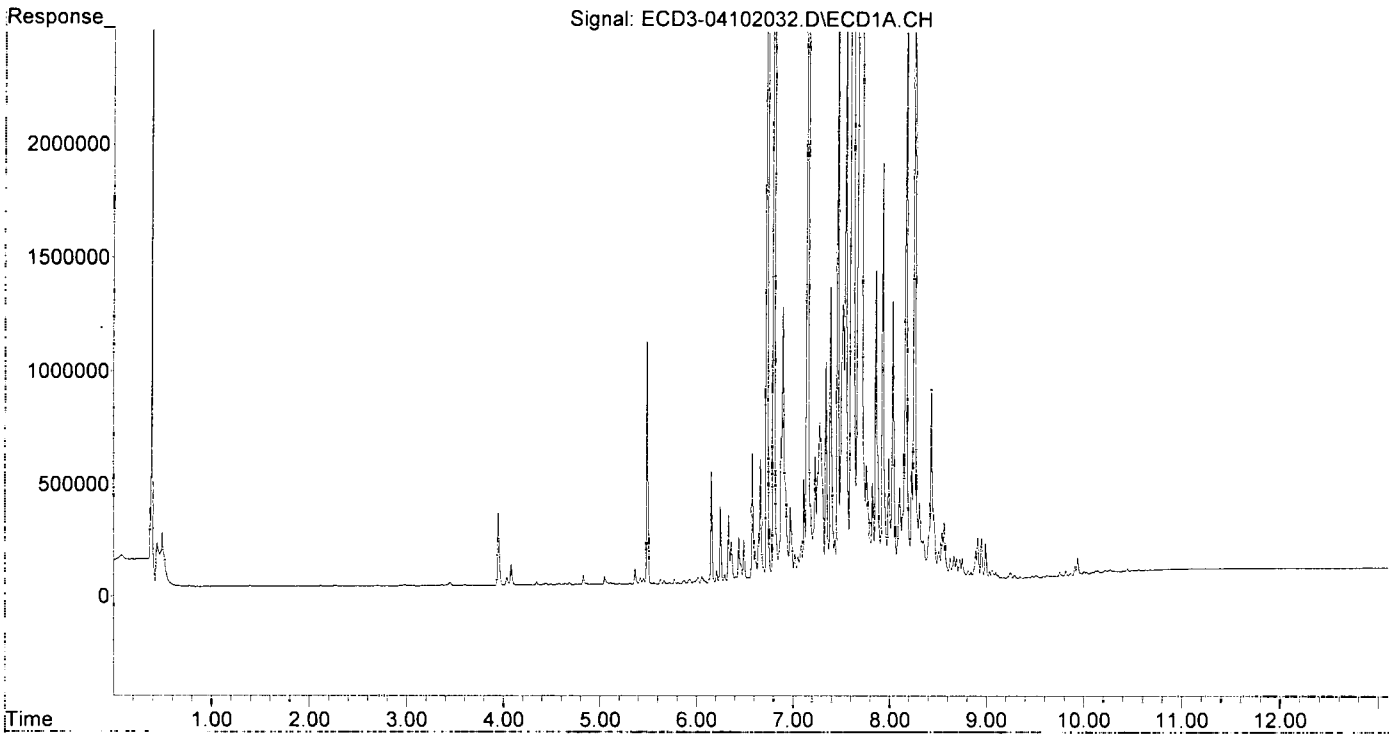
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.073	0	8703	N.D.	1884.037 #
22) S DCBP (S)	9.816	10.643f	25757	6157	0.009	2279.998 #
Target Compounds						
2) a-BHC	6.132f	6.697f	21467	277726	0.106	1.769 #
3) g-BHC	6.407	6.998	29213	141834	0.169	1.053 #
4) b-BHC	6.460	7.049	84418	41422	1.237	0.674 #
5) Heptachlor	6.805	7.368	7353675	5125193	44.908	45.275
6) d-BHC	6.610	7.300	144233	50810	1.028	0.416 #
7) Aldrin	7.055	7.641	115079	85543	0.686	0.644
8) Heptachlo...	7.523	8.098	1240255	360807	7.931	3.066 #
9) trans-Chl...	7.612	8.219	16297810	12939873	103.571	107.293
10) cis-Chlor...	7.706	8.327	18923452	11101616	120.555	95.846
11) Endosulfa...	7.827	8.400	435189	190925	3.032	1.775 #
12) 4,4'-DDE	7.766	8.424	512152	332417	3.550	2.887
13) Dieldrin	7.997	8.581	542741	883912	3.377	7.382 #
14) Endrin	8.176f	8.826	2925614	169205	23.715	1.957 #
15) 4,4'-DDD	8.176f	8.855	2925614	2281389	24.098	24.176
16) Endosulfa...	8.312	8.970	343399	242701	2.837	2.646
17) 4,4'-DDT	0.000	9.093	0	96751	N.D.	1.836 #
18) Endrin Al...	8.627f	9.229f	96998	585445	0.719	7.062 #
19) Endosulfa...	8.913	9.419f	185706	64076	1.542	0.761 #
20) Methoxychlor	8.727	9.567	89078	18533	2.204	0.763 #
21) Endrin Ke...	9.098	9.794	28587	110989	0.198	1.160 #
23) Hexachlor...	3.363f	0.000	5170	0	2108.672	N.D. #
24) Hexachlor...	5.932	6.505f	19371	32130	BelowCal	0.051
25) Oxychlorane	7.436	8.020	183853	205637	1.221	1.865 #
26) 2,4'-DDE	7.523	8.219	1240255	12939873	13.512	182.555 #
27) trans-Non...	7.706	8.283	18923452	10128565	130.281	96.292
28) 2,4'-DDD	7.864f	8.581	1385489	883912	16.787	13.037
29) 2,4'-DDT	8.107f	8.826	410687	169205	5.456	3.154 #
30) cis-Nonac...	8.176	8.855	2925614	2281389	18.855	19.525
31) Mirex	8.842	9.794	30587	110989	7125.575	1.225 #
32) Chlordane...	7.612	8.219	16297810	12939873	923.364	894.427
33) Chlordane...	7.706	8.327	18923452	11101616	913.204	898.089
34) Chlordane...	8.264	8.996	4918547	3349788	924.415	925.439
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.706f	8.581f	18923452	883912	22733.186	789.221 #
37) Toxaphene...	7.997	8.911	542741	359298	360.186	263.402
38) Toxaphene...	8.312	8.948	343399	290842	110.405	134.007
39) Toxaphene...	8.544	8.996	209053	3349788	68.490	1024.841 #
40) Toxaphene...	8.754	9.168	93472	71816	39.689	36.405
41) Toxaphene...	8.842	9.567	30587	18533	10.083	9.156
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 20:06
Operator : MJB
Sample : 0D10031-CALO
Misc : A19K311, CHLOR 1000 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: Apr 13 12:46:14 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 20:23
 Operator : MJB
 Sample : 0D10031-CALP
 Misc : A19K306, CHLOR 2000 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: Apr 13 12:46:39 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

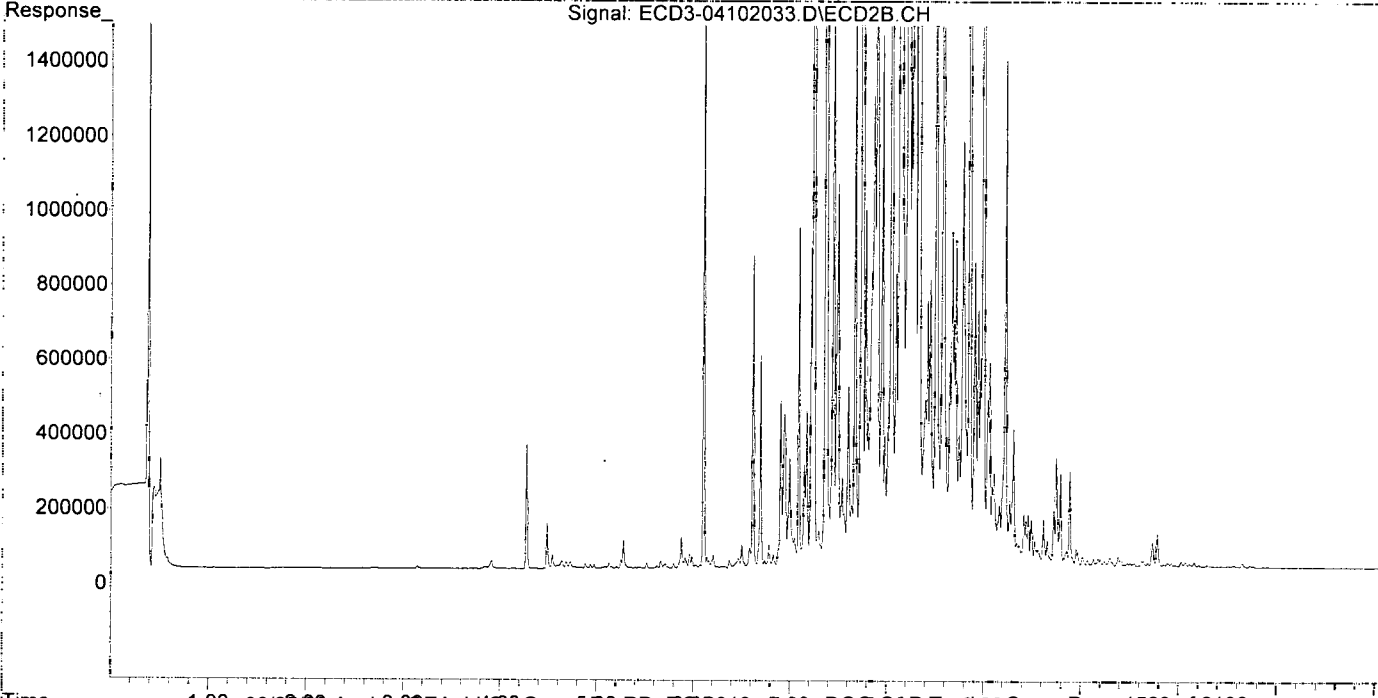
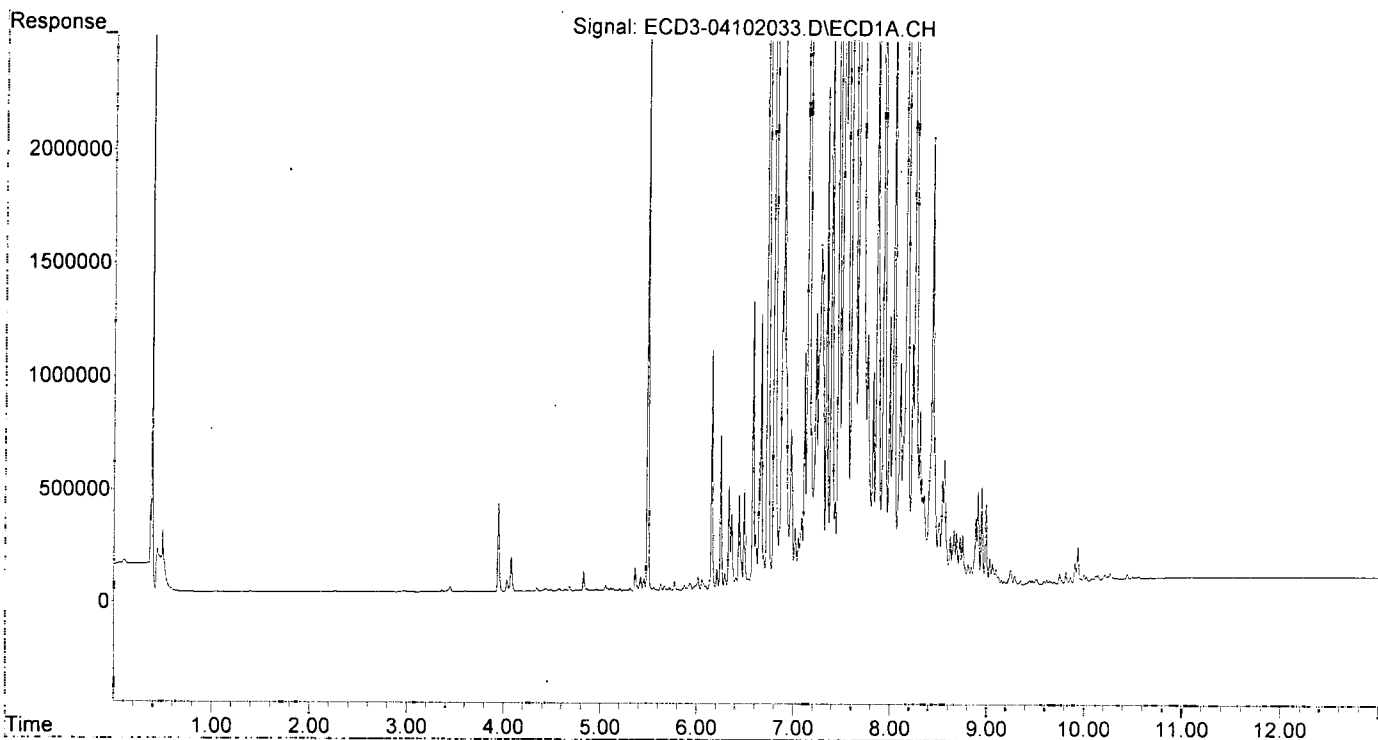
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.558	6.073	15357	6952	0.104	1884.053 #
22) S DCBP (S)	9.817	10.688	51160	7633	0.241	2279.976 #
Target Compounds						
2) a-BHC	6.093	6.698f	18589	567373	0.092	3.614 #
3) g-BHC	6.408	6.999	53069	290612	0.307	2.157 #
4) b-BHC	6.494f	7.048	441812	80370	6.476	1.309 #
5) Heptachlor	6.805	7.369	16832589	11419369	102.796	100.876
6) d-BHC	6.611	7.300	242817	97644	1.730	0.799 #
7) Aldrin	7.055	7.642	226866	166251	1.353	1.251
8) Heptachlo...	7.523	8.097	2758261	785022	17.638	6.670 #
9) trans-Chl...	7.612	8.219	36805140	27125757	233.894	224.918
10) cis-Chlor...	7.707	8.328	42306718	22830370	269.521	197.107
11) Endosulfa...	7.826	8.400	960089	445351	6.690	4.141
12) 4,4'-DDE	7.766	8.450	1122250	768933	7.780	6.678
13) Dieldrin	7.996	8.581	1202865	2268447	7.485	18.944 #
14) Endrin	8.138	8.827	670516	368311	5.435	4.260
15) 4,4'-DDD	8.176f	8.854	6411456	4802354	52.811	50.891
16) Endosulfa...	8.313	8.971	782923	557160	6.468	6.075
17) 4,4'-DDT	0.000	9.093	0	214671	N.D.	3.970 #
18) Endrin Al...	8.627f	9.229f	222022	1355626	1.935	16.717 #
19) Endosulfa...	8.913	9.371f	417844	58349	3.469	0.693 #
20) Methoxychlor	8.727	9.567	217988	46357	5.303	1.837 #
21) Endrin Ke...	9.098	9.794	73080	248821	0.507	2.601 #
23) Hexachlor...	3.364f	0.000	6416	0	2108.665	N.D. #
24) Hexachlor...	5.933	6.505f	32038	62156	0.038	0.327 #
25) Oxychlorane	7.435	8.020	384206	442855	2.769	4.274 #
26) 2,4'-DDE	7.523	8.219	2758261	27125757	30.119	441.078 #
27) trans-Non...	7.707	8.283	42306718	20983838	286.829	213.154
28) 2,4'-DDD	7.863f	8.581	3068821	2268447	37.381	34.143
29) 2,4'-DDT	8.107f	8.827	996158	368311	13.233	6.866 #
30) cis-Nonac...	8.176	8.854	6411456	4802354	41.415	41.727
31) Mirex	8.843	9.794	83494	248821	0.473	3.263 #
32) Chlordane...	7.612	8.219	36805140	27125757	2085.221	1874.981 #
33) Chlordane...	7.707	8.328	42306718	22830370	2041.628	1846.912 #
34) Chlordane...	8.263	8.996	11270916	7528954	2118.309	2081.650 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.707f	8.581f	42306718	2268447	50824.051	2025.433 #
37) Toxaphene...	7.996	8.911	1202865	812967	798.272	595.989
38) Toxaphene...	8.313	8.947	782923	684314	251.714	315.302
39) Toxaphene...	8.544	8.996	471366	7528954	161.225	2222.006 #
40) Toxaphene...	8.754	9.168	227003	163151	96.387	86.745
41) Toxaphene...	8.843	9.567	83494	46357	27.524	22.904
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 20:23
Operator : MJB
Sample : 0D10031-CALP
Misc : A19K306, CHLOR 2000 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: Apr 13 12:46:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 21:14
 Operator : MJB
 Sample : 0D10031-CALQ
 Misc : A20D137, TOX 10 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: Apr 13 12:47:12 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

WB
4/13/20

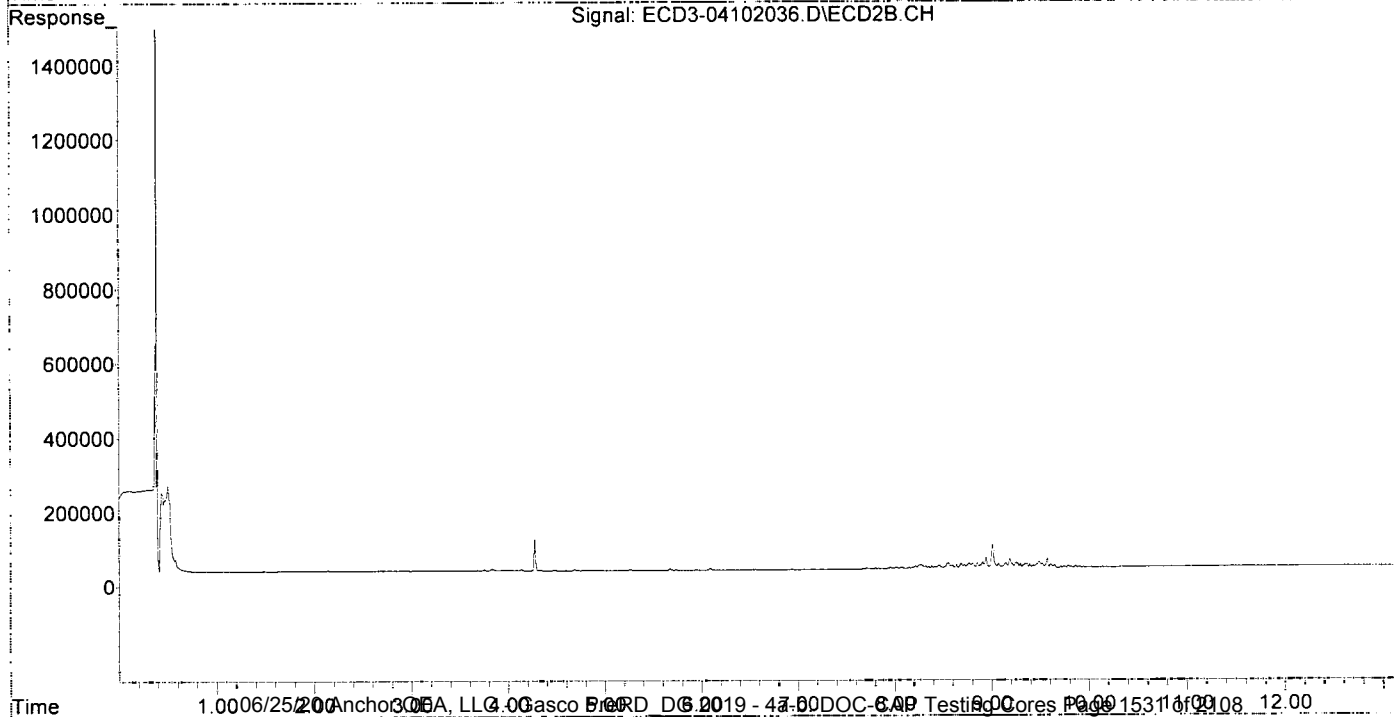
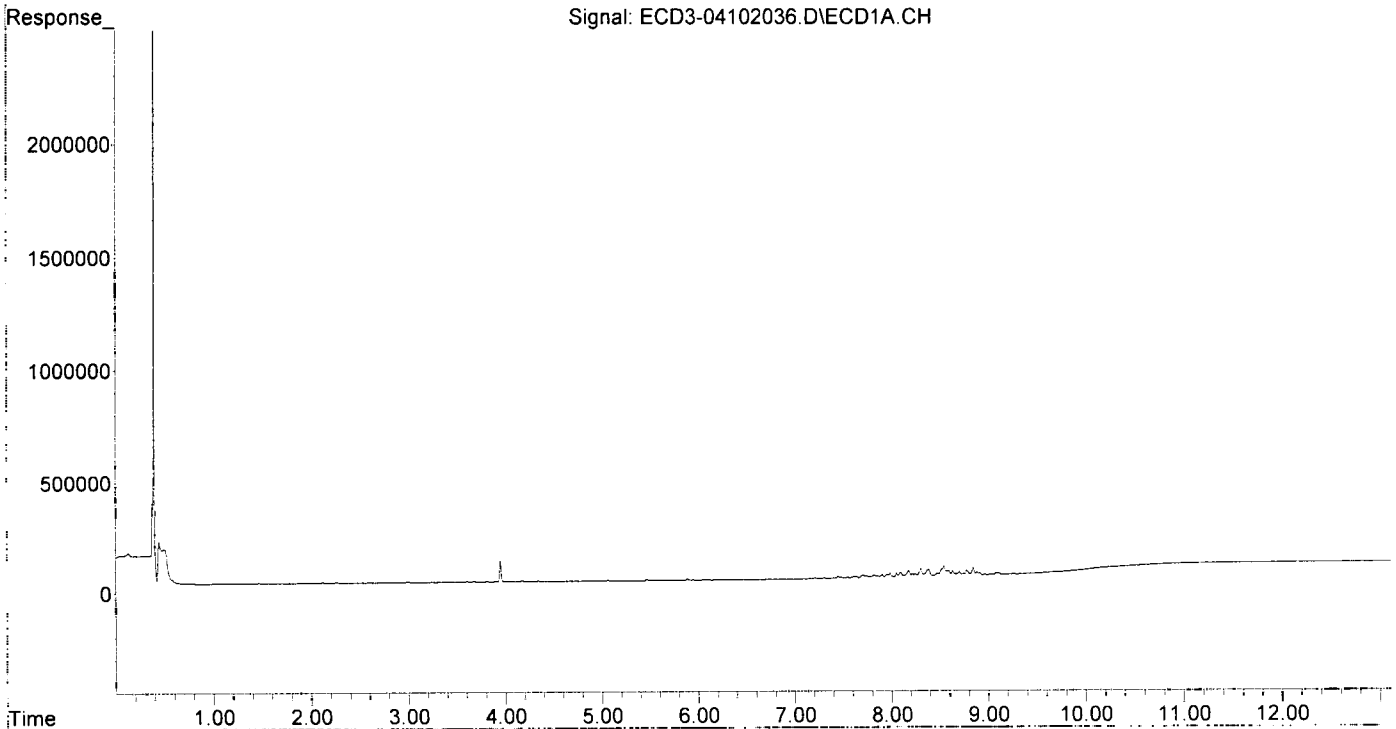
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.085f	0	4820	N.D.	1884.072 #
22) S DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	0.000	0.000	0	0	N.D.	N.D.
5) Heptachlor	0.000	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...	7.616	8.218	6656	6734	0.042	0.056
10) cis-Chlor...	7.702	8.326	9912	5399	0.063	0.047
11) Endosulfa...	7.818	8.385	5813	4742	0.041	0.044
12) 4,4'-DDE	7.739f	8.452	6858	5061	0.048	0.044
13) Dieldrin	7.986	8.558f	15559	11439	0.097	0.096
14) Endrin	8.176f	8.805	25080	10917	0.203	0.126
15) 4,4'-DDD	8.215	8.854	11080	12038	0.091	0.128
16) Endosulfa...	8.302	8.944	32449	26120	0.268	0.285
17) 4,4'-DDT	8.376f	9.074	27476	10264	0.413	0.259
18) Endrin Al...	8.591	9.190	22554	23927	BelowCal	0.057
19) Endosulfa...	8.912	9.392	10557	8987	0.088	0.107
20) Methoxychlor	8.701f	9.574	16911	24338	0.451	0.987 #
21) Endrin Ke...	9.103	9.790	7883	5669	0.055	0.059
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) Oxychlordan	7.446	0.000	8494	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.218	0	6734	N.D.	2144.896 #
27) trans-Non...	7.702	8.267	9912	9783	BelowCal	1953.475
28) 2,4'-DDD	7.902	8.558f	8966	11439	BelowCal	3167.715
29) 2,4'-DDT	8.089	8.805	16924	10917	0.225	0.204
30) cis-Nonac...	8.176	8.854	25080	12038	BelowCal	2549.456
31) Mirex	8.844	9.790	34168	5669	7125.539	3567.445 #
32) Chlordane...	7.616	8.218	6656	6734	0.377	0.465
33) Chlordane...	7.702	8.326	9912	5399	0.478	0.437
34) Chlordane...	8.243f	9.011	10181	62570	1.913	13.054 #
35) Chlordane...	0.000	3.828f	0	4384	N.D.	NoCal
36) Toxaphene...	7.702	8.558	9912	11439	11.908	10.213
37) Toxaphene...	7.986	8.909	15559	14963	10.326	10.969
38) Toxaphene...	8.302	8.944	32449	26120	10.432	12.035
39) Toxaphene...	8.543	9.011	44818	62570	9.976	9.976
40) Toxaphene...	8.775	9.190	23487	23927	9.973	9.958
41) Toxaphene...	8.844	9.574	34168	24338	11.264	12.025
42) Toxaphene...	0.000	3.828f	0	4384	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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:14
Operator : MJB
Sample : 0D10031-CALQ
Misc : A20D137, TOX 10 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: Apr 13 12:47:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 21:31
 Operator : MJB
 Sample : 0D10031-CALR
 Misc : A19J417, TOX 50 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: Apr 13 12:47:28 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

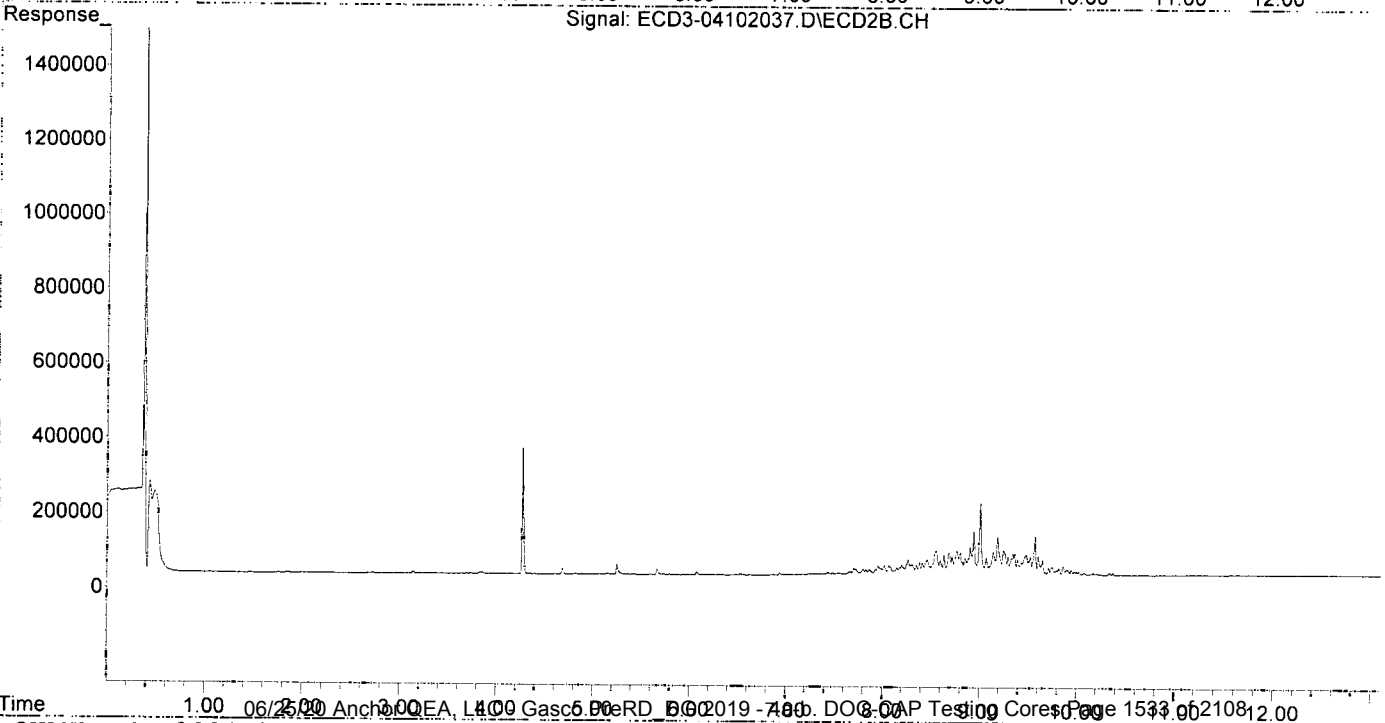
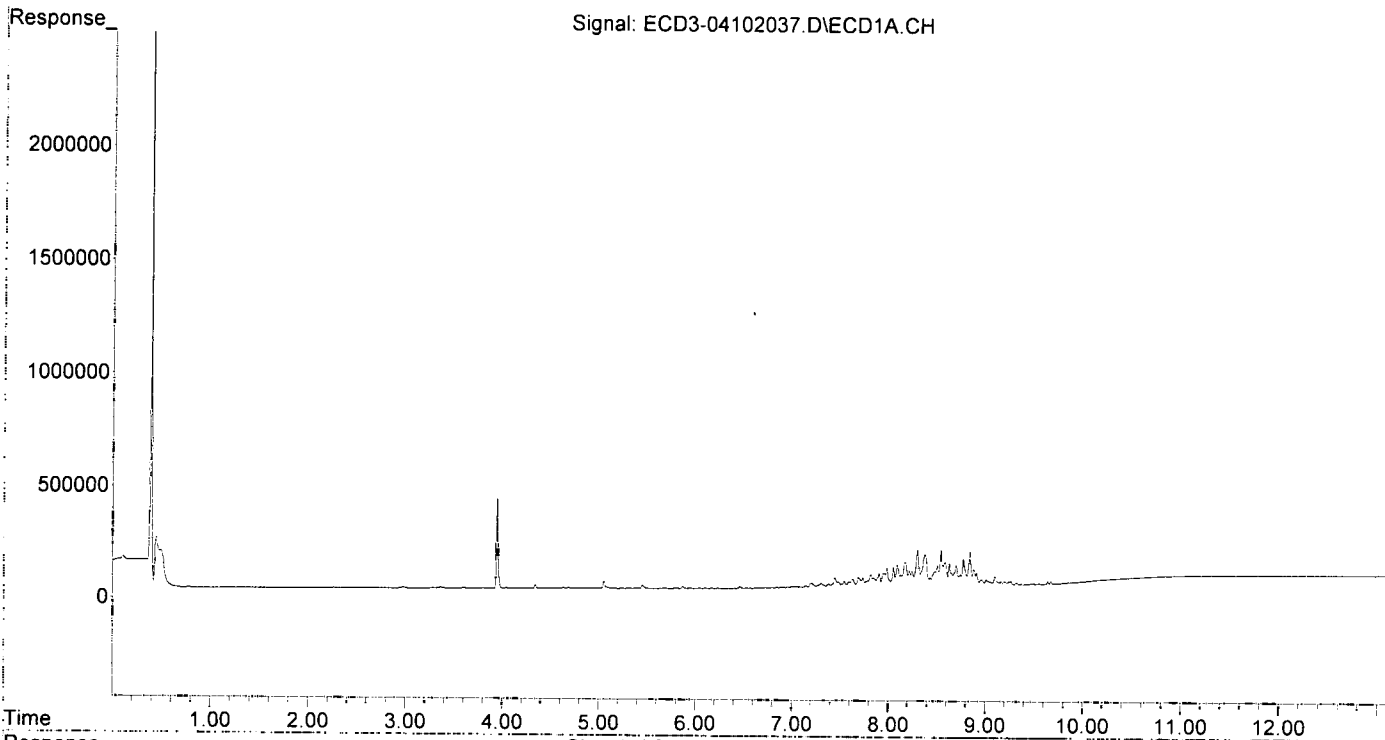
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.076	0	8517	N.D.	1884.039 #
22) S DCBP (S)	9.804	0.000	2370	0	BelowCal	N.D.
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.462	0.000	7686	0	0.113	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	7.050	7.664f	3561	5219	0.021	0.039 #
8) Heptachlo...	7.520	8.071	14094	19397	0.090	0.165 #
9) trans-Chl...	7.632	8.200f	32426	22349	0.206	0.185
10) cis-Chlor...	7.689f	8.310f	41998	23380	0.268	0.202
11) Endosulfa...	7.818	8.385	53919	29350	0.376	0.273
12) 4,4'-DDE	7.738f	8.451	39448	34001	0.273	0.295
13) Dieldrin	7.985	8.599	82518	35082	0.513	0.293 #
14) Endrin	8.175f	8.805	106225	57193	0.861	0.662
15) 4,4'-DDD	8.216	8.856	69015	42229	0.568	0.448
16) Endosulfa...	8.302	8.944	158918	114478	1.313	1.248
17) 4,4'-DDT	8.377f	9.075	138308	43087	1.699	0.859 #
18) Endrin Al...	8.591	9.190	104622	99407	0.793	0.996
19) Endosulfa...	8.913	9.392	53898	39894	0.447	0.474
20) Methoxychlor	8.744	9.574	49533	103198	1.245	4.016 #
21) Endrin Ke...	9.100	9.795	38040	10712	0.264	0.112 #
23) Hexachlor...	3.361f	0.000	6025	0	2108.667	N.D. #
24) Hexachlor...	0.000	6.528	0	2994	N.D.	2197.601 #
25) Oxychlorane	7.446	8.022	40738	19660	0.115	3277.538 #
26) 2,4'-DDE	7.520	8.200	14094	22349	BelowCal	0.058
27) trans-Non...	7.689	8.293	41998	22978	0.085	1953.355 #
28) 2,4'-DDD	7.904	8.599	58319	35082	0.499	0.236 #
29) 2,4'-DDT	8.091	8.805	94112	57193	1.250	1.066
30) cis-Nonac...	8.175	8.856	106225	42229	0.483	0.128 #
31) Mirex	8.844	9.795	150990	10712	1.155	3567.371 #
32) Chlordane...	7.595	8.200f	22478	22349	1.274	1.545
33) Chlordane...	7.689	8.310	41998	23380	2.027	1.891
34) Chlordane...	8.244f	9.012	65810	190413	12.369	48.586 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.689	8.558	41998	61319	50.453	54.750
37) Toxaphene...	7.985	8.909	82518	72536	54.763	53.177
38) Toxaphene...	8.302	8.944	158918	114478	51.093	52.746
39) Toxaphene...	8.544	9.012	158276	190413	50.437	50.844
40) Toxaphene...	8.775	9.190	119137	99407	50.586	51.626
41) Toxaphene...	8.844	9.574	150990	103198	49.775	50.987
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:31
Operator : MJB
Sample : 0D10031-CALR
Misc : A19J417, TOX 50 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: Apr 13 12:47:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 21:48
 Operator : MJB
 Sample : OD10031-CALS
 Misc : A19J418, TOX 100 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: Apr 13 12:47:38 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

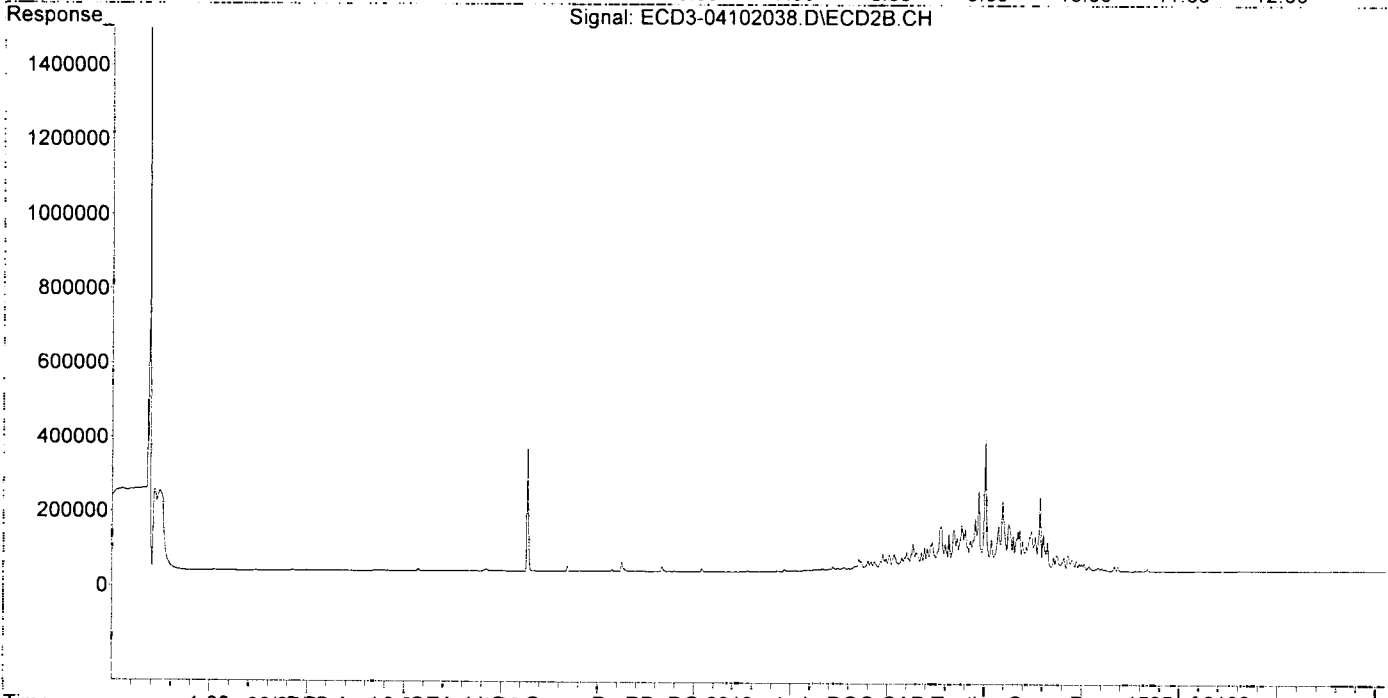
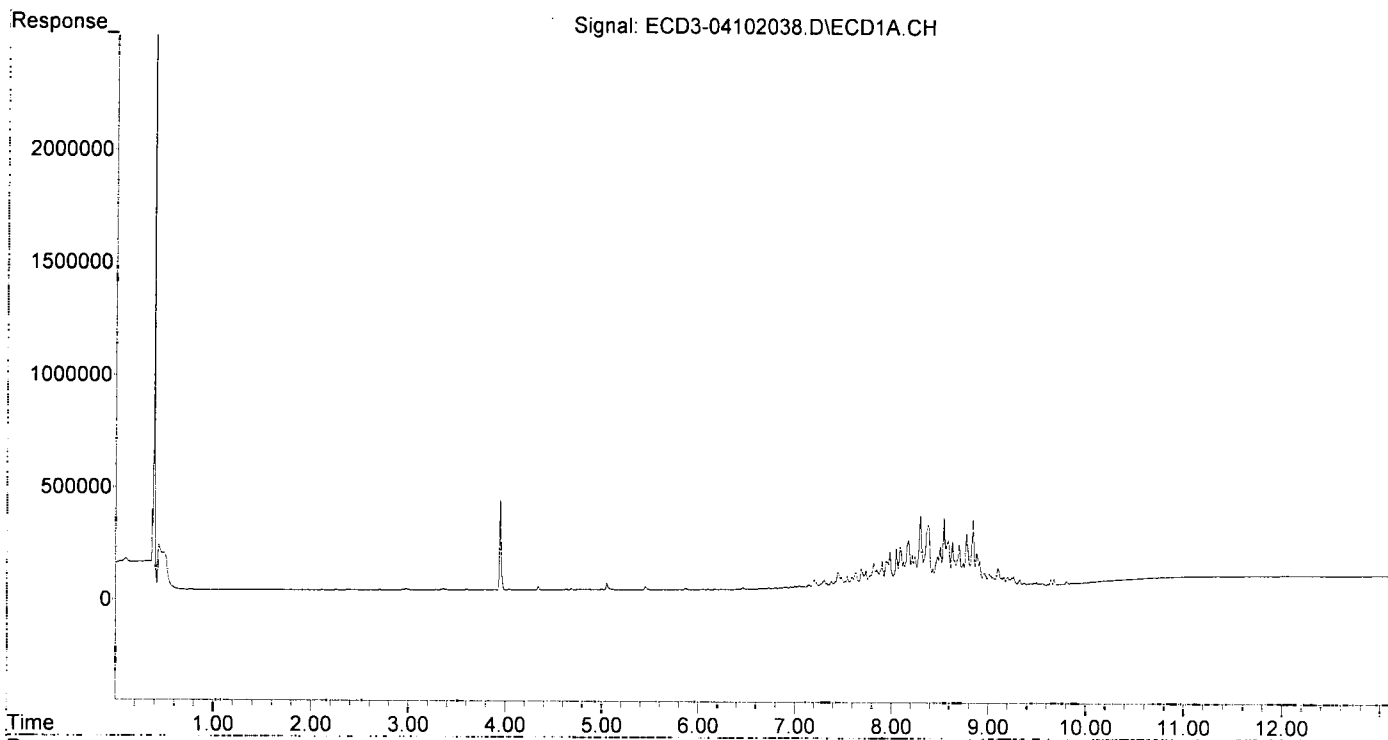
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.076	0	7811	N.D.	1884.045 #
22) S DCBP (S)	9.804	10.674	12778	6858	BelowCal	2279.988
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.460	0.000	8467	0	0.124	N.D. #
5) Heptachlor	0.000	7.336f	0	3365	N.D.	0.030 #
6) d-BHC	0.000	7.336f	0	3365	N.D.	0.028 #
7) Aldrin	7.049	7.664f	10668	9317	0.064	0.070
8) Heptachlo...	7.520	8.071	28937	40275	0.185	0.342 #
9) trans-Chl...	7.631	8.200f	66979	44922	0.426	0.372
10) cis-Chlor...	7.737f	8.353f	74790	44769	0.476	0.387
11) Endosulfa...	7.817	8.385	106829	58057	0.744	0.540
12) 4,4'-DDE	7.737f	8.450	74790	67486	0.518	0.586
13) Dieldrin	7.985	8.598	156502	68413	0.974	0.571 #
14) Endrin	8.177f	8.805	202670	107718	1.643	1.246
15) 4,4'-DDD	8.214	8.857	140399	79052	1.156	0.838
16) Endosulfa...	8.301	8.944	311689	211094	2.575	2.302
17) 4,4'-DDT	8.378f	9.075	269209	82688	3.208	1.580 #
18) Endrin Al...	8.591	9.190	203270	185979	1.753	2.075
19) Endosulfa...	8.913	9.392	109063	77639	0.905	0.922
20) Methoxychlor	8.742	9.574	101222	194265	2.497	7.463 #
21) Endrin Ke...	9.100	9.799	77089	20884	0.535	0.218 #
23) Hexachlor...	3.361	0.000	5867	0	2108.668	N.D. #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlorane	7.446	8.022	70048	39105	0.342	0.177 #
26) 2,4'-DDE	7.520	8.200	28937	44922	0.138	0.350 #
27) trans-Non...	7.688	8.294	83308	45578	0.374	0.193 #
28) 2,4'-DDD	7.903	8.598	114457	68413	1.189	0.737
29) 2,4'-DDT	8.091	8.827	176070	62527	2.339	1.166 #
30) cis-Nonac...	8.177	8.857	202670	79052	1.113	0.445 #
31) Mirex	8.844	9.799	291120	20884	2.572	3567.221 #
32) Chlordane...	7.631	8.200f	66979	44922	3.795	3.105
33) Chlordane...	7.688	8.309f	83308	44208	4.020	3.576
34) Chlordane...	8.242f	9.011	134758	346003	25.327	91.825 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.688	8.558	83308	116776	100.080	104.266
37) Toxaphene...	7.985	8.908	156502	135442	103.861	99.293
38) Toxaphene...	8.301	8.944	311689	211094	100.210	97.263
39) Toxaphene...	8.543	9.011	303785	346003	102.082	100.419
40) Toxaphene...	8.775	9.190	229620	185979	97.498	99.306
41) Toxaphene...	8.844	9.574	291120	194265	95.970	95.981
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:48
Operator : MJB
Sample : 0D10031-CALS
Misc : A19J418, TOX 100 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: Apr 13 12:47:38 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:05
 Operator : MJB
 Sample : 0D10031-CALT
 Misc : A19J419, TOX 200 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: Apr 13 12:47:47 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

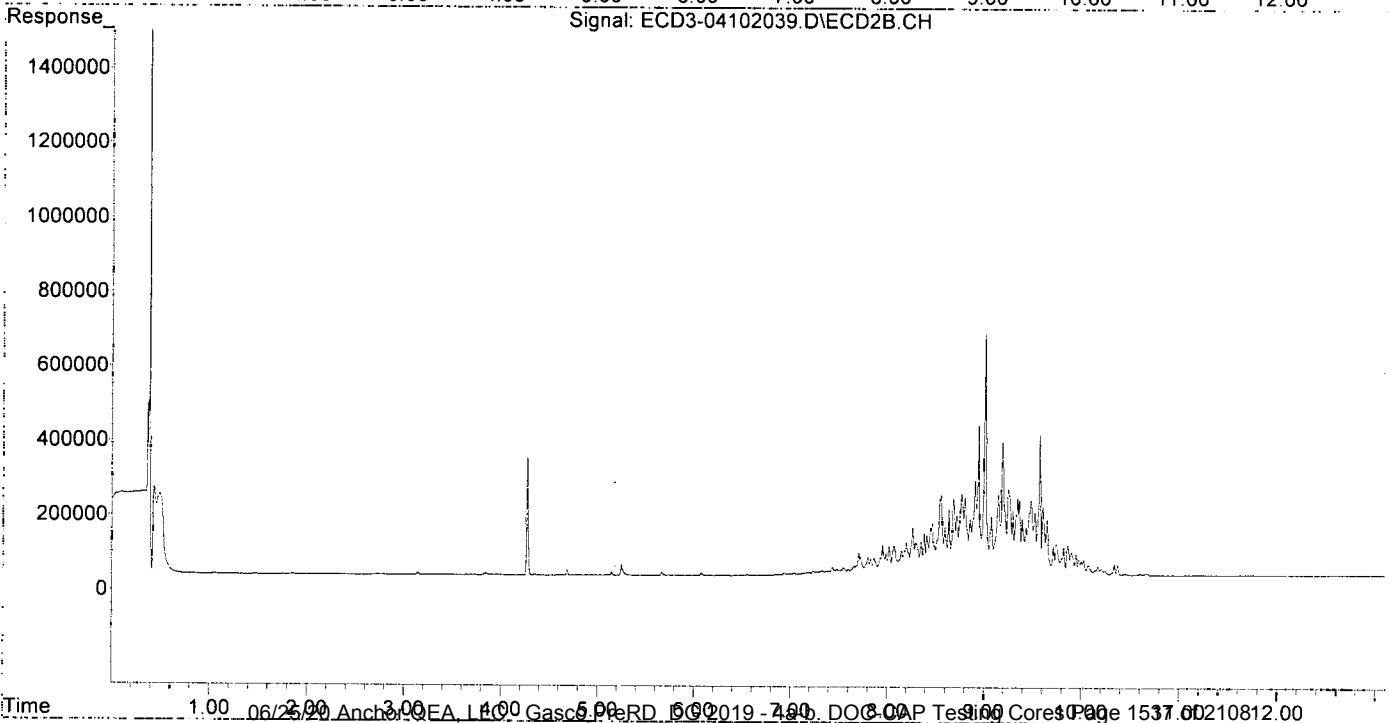
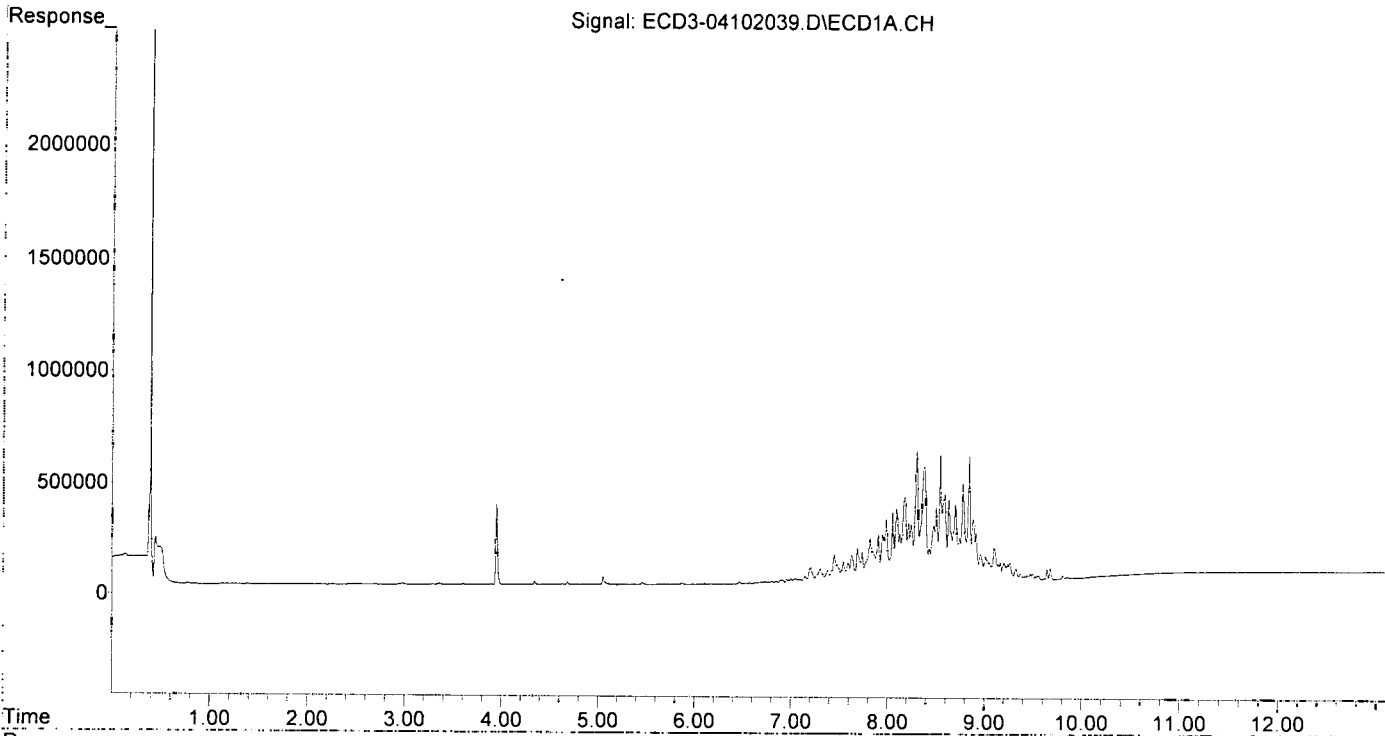
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.075	0	6588	N.D.	1884.056 #
22) S DCBP (S)	9.802	10.673	14045	4933	BelowCal	2280.016
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	6.979	0	2973	N.D.	0.022 #
4) b-BHC	6.460	7.040	8840	3795	0.130	0.062 #
5) Heptachlor	6.800	7.335f	9453	5603	0.058	0.049
6) d-BHC	6.639	7.311	5984	3450	0.043	0.028
7) Aldrin	7.048	7.664f	21720	16625	0.130	0.125
8) Heptachlo...	7.519	8.071	58097	70899	0.372	0.602 #
9) trans-Chl...	7.630	8.198f	122598	80345	0.779	0.666
10) cis-Chlor...	7.737f	8.351	136784	82678	0.871	0.714
11) Endosulfa...	7.816	8.383	194470	105748	1.355	0.983
12) 4,4'-DDE	7.737f	8.448	136784	120878	0.948	1.050
13) Dieldrin	7.984	8.597	286085	123447	1.780	1.031 #
14) Endrin	8.175f	8.804	380413	201482	3.084	2.331
15) 4,4'-DDD	8.214	8.856	263921	144411	2.174	1.530
16) Endosulfa...	8.299	8.943	586224	394858	4.843	4.305
17) 4,4'-DDT	8.374f	9.074	516218	153102	6.026	2.858 #
18) Endrin Al...	8.590	9.189	392241	355753	3.592	4.193
19) Endosulfa...	8.912	9.391	215845	145823	1.792	1.732
20) Methoxychlor	8.743	9.573	194631	370159	4.744	13.980 #
21) Endrin Ke...	9.098	9.817f	145893	71610	1.013	0.748
23) Hexachlor...	3.361	0.000	5663	0	2108.669	N.D. #
24) Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25) Oxychlordane	7.446	8.021	126030	68620	0.774	0.476
26) 2,4'-DDE	7.519	8.198	58097	80345	0.461	0.808 #
27) trans-Non...	7.686	8.292	153469	80194	0.864	0.507 #
28) 2,4'-DDD	7.902	8.597	214113	123447	2.413	1.564
29) 2,4'-DDT	8.089	8.826	326682	118494	4.340	2.209 #
30) cis-Nonac...	8.175	8.856	380413	144411	2.274	1.007 #
31) Mirex	8.842	9.817f	559171	71610	5.283	0.643 #
32) Chlordane...	7.630	8.198f	122598	80345	6.946	5.554
33) Chlordane...	7.686f	8.308f	153469	78523	7.406	6.352
34) Chlordane...	8.241f	9.011	258495	639556	48.583	173.388 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.686	8.557	153469	208550	184.366	186.209
37) Toxaphene...	7.984	8.907	286085	248644	189.858	182.282
38) Toxaphene...	8.299	8.943	586224	394858	188.474	181.933
39) Toxaphene...	8.542	9.011	565257	639556	194.206	193.471
40) Toxaphene...	8.774	9.189	439278	355753	186.520	192.467
41) Toxaphene...	8.842	9.573	559171	370159	184.336	182.886
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:05
Operator : MJB
Sample : 0D10031-CALT
Misc : A19J419, TOX 200 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: Apr 13 12:47:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:22
 Operator : MJB
 Sample : 0D10031-CALU
 Misc : A19J420, TOX 500 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: Apr 13 12:47:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

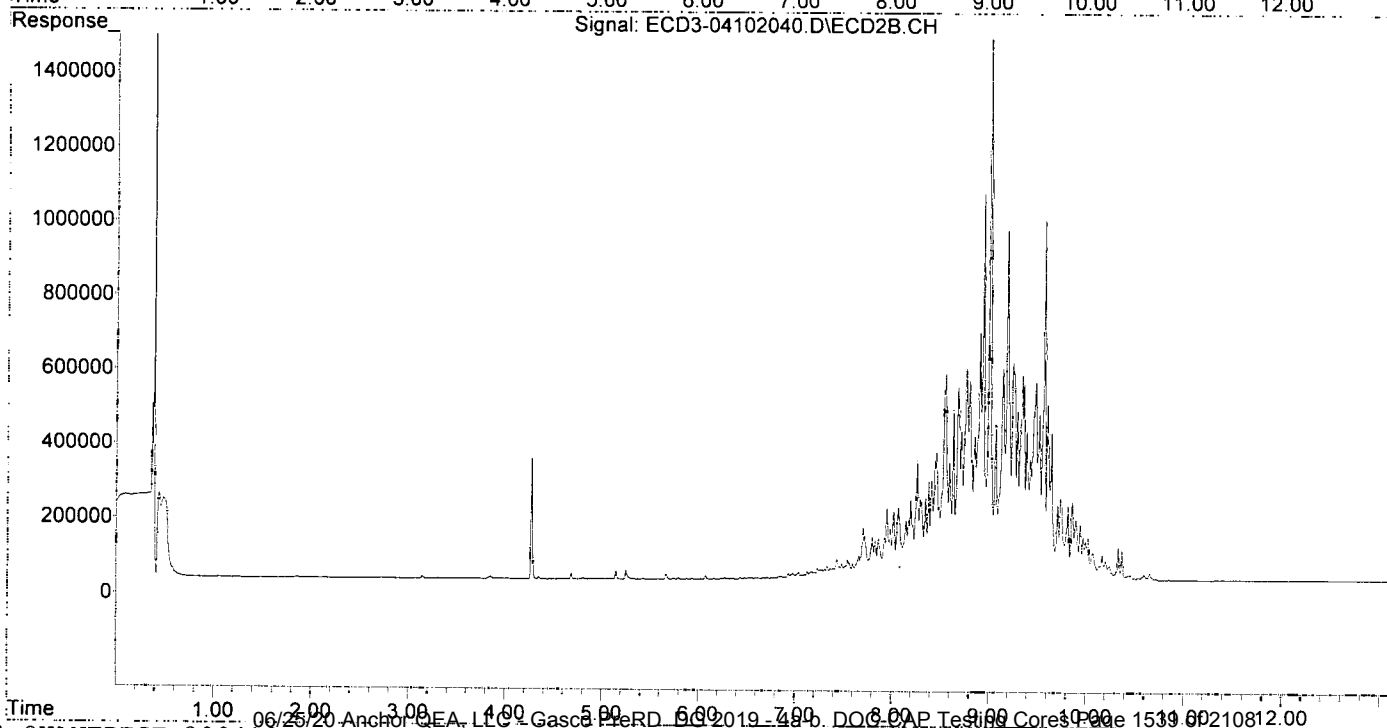
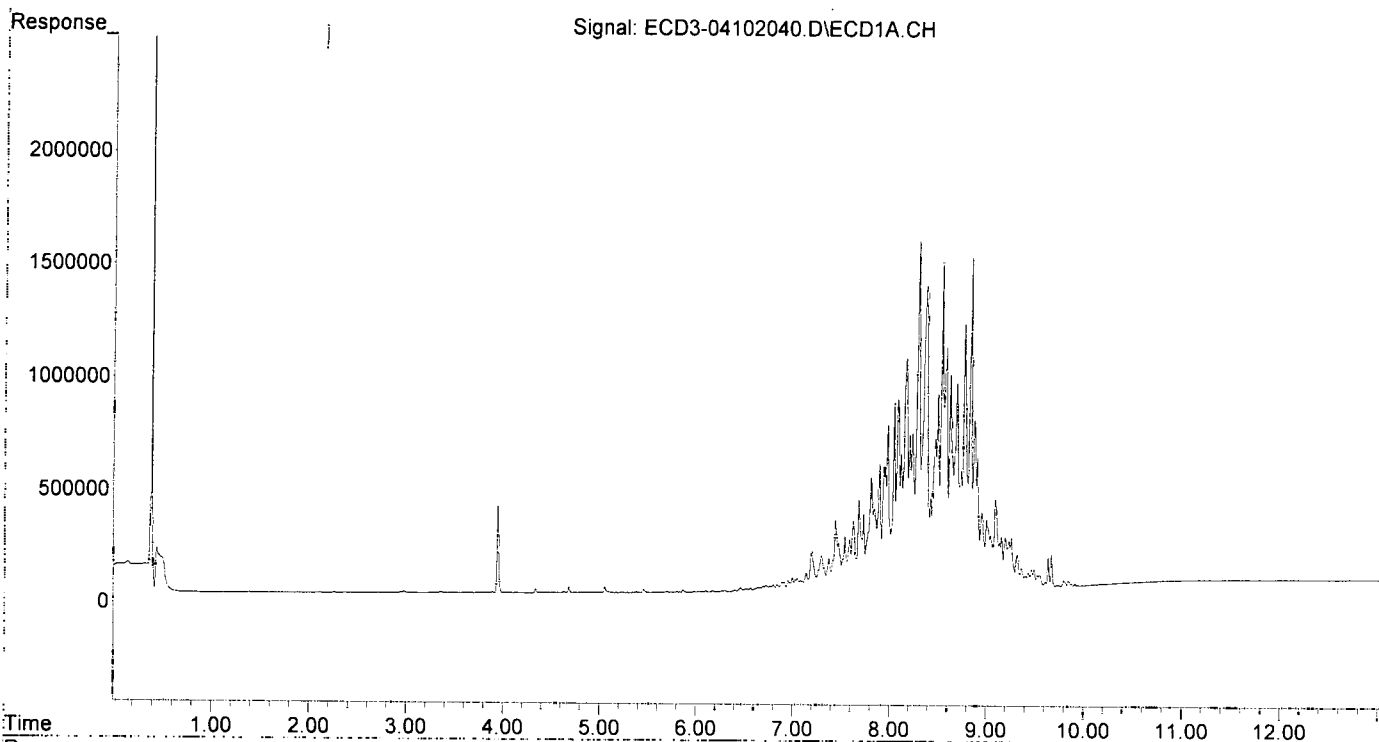
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.074	0	8341	N.D.	1884.041 #
22) S DCBP (S)	9.801	10.652f	26157	16698	0.012	0.004 #
Target Compounds						
2) a-BHC	0.000	6.671	0	3076	N.D.	0.020 #
3) g-BHC	6.398	6.978	5041	11674	0.029	0.087 #
4) b-BHC	6.460	7.039	15874	14665	0.233	0.239 #
5) Heptachlor	6.801	7.368	25450	25090	0.155	0.222 #
6) d-BHC	6.638	7.310	16591	23682	0.118	0.194 #
7) Aldrin	7.048	7.662f	55413	59438	0.331	0.447 #
8) Heptachlo...	7.518	8.069	140689	187381	0.900	1.592 #
9) trans-Chl...	7.629	8.198f	305389	206350	1.941	1.711 #
10) cis-Chlor...	7.736f	8.350	334668	210776	2.132	1.820 #
11) Endosulfa...	7.814	8.382	495845	259829	3.455	2.416 #
12) 4,4'-DDE	7.736f	8.447	334668	313463	2.320	2.722 #
13) Dieldrin	7.982	8.596	728788	311091	4.535	2.598 #
14) Endrin	8.173	8.825	1021617	317253	8.281	3.670 #
15) 4,4'-DDD	8.212	8.856	680671	381854	5.607	4.047 #
16) Endosulfa...	8.298	8.942f	1540725	1031208	12.728	11.243 #
17) 4,4'-DDT	8.381	9.073	1345906	408152	15.224	7.430 #
18) Endrin Al...	8.588	9.187	1067614	932303	10.158	11.403 #
19) Endosulfa...	8.910	9.390	574063	391665	4.766	4.653 #
20) Methoxychlor	8.741	9.572	520862	958890	12.431	34.592 #
21) Endrin Ke...	9.096	9.816	391123	192702	2.715	2.014 #
23) Hexachlor...	3.359	0.000	6168	0	2108.666	N.D. #
24) Hexachlor...	0.000	6.527	0	3090	N.D.	2197.600 #
25) Oxychlorane	7.444	8.020	310336	177734	2.198	1.582 #
26) 2,4'-DDE	7.518	8.198	140689	206350	1.376	2.439 #
27) trans-Non...	7.685	8.291	400599	210046	2.591	1.685 #
28) 2,4'-DDD	7.900	8.596	552773	311091	6.572	4.387 #
29) 2,4'-DDT	8.088	8.825	842514	317253	11.192	5.915 #
30) cis-Nonac...	8.173	8.856	1021617	381854	6.460	3.051 #
31) Mirex	8.842	9.816f	1468060	192702	14.490	2.433 #
32) Chlordane...	7.629	8.198f	305389	206350	17.302	14.263 #
33) Chlordane...	7.685f	8.350f	400599	210776	19.332	17.051 #
34) Chlordane...	8.238f	9.010	692182	1630720	130.092	448.627 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D. #
36) Toxaphene...	7.685	8.556	400599	549025	481.249	490.209 #
37) Toxaphene...	7.982	8.906	728788	661072	483.655	484.634 #
38) Toxaphene...	8.298	8.942	1540725	1031208	495.352	475.135 #
39) Toxaphene...	8.541	9.010	1443047	1630720	497.374	503.155 #
40) Toxaphene...	8.772	9.187	1171966	932303	497.624	505.539 #
41) Toxaphene...	8.842	9.572	1468060	958890	483.959	473.762 #
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:22
Operator : MJB
Sample : 0D10031-CALU
Misc : A19J420, TOX 500 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: Apr 13 12:47:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:39
 Operator : MJB
 Sample : 0D10031-CALV
 Misc : A19J421, TOX 1000 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: Apr 13 12:48:06 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

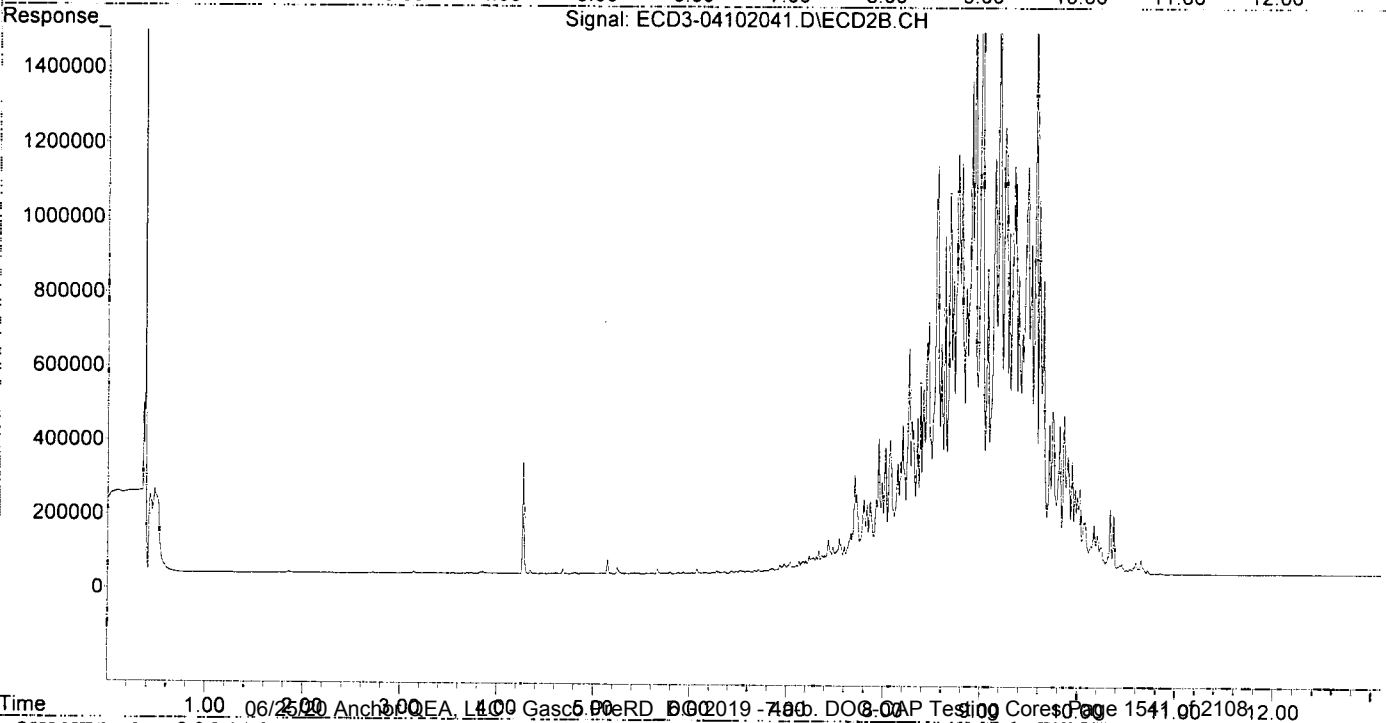
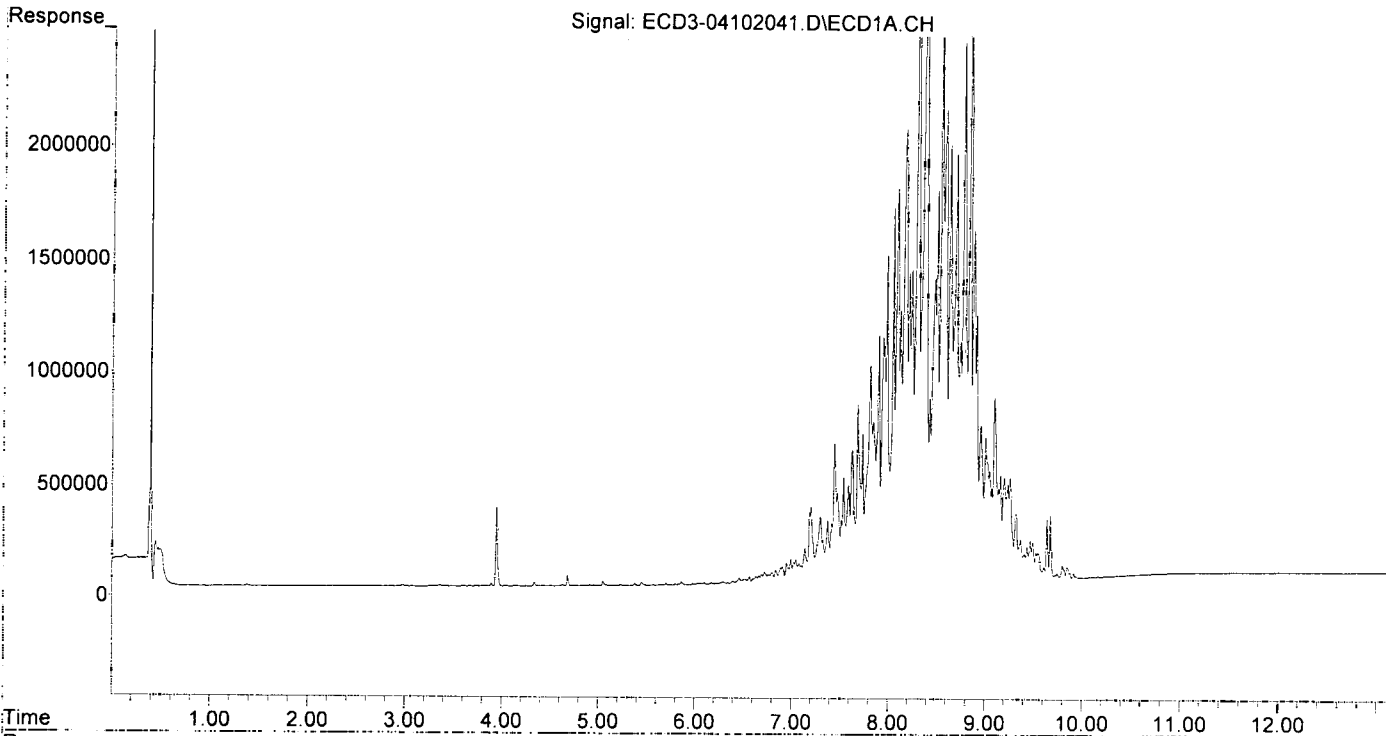
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds								
1)	S TCMX (S)	0.000	6.072	0	12189	N.D.	1884.007	#
22)	S DCBP (S)	9.800	10.651f	57248	38636	0.296	0.330	
Target Compounds								
2)	a-BHC	6.100	6.669	8769	8203	0.043	0.052	
3)	g-BHC	6.397	6.978	11605	25167	0.067	0.187	#
4)	b-BHC	6.460	7.040	25035	30236	0.367	0.492	
5)	Heptachlor	6.805	7.368	47493	47703	0.290	0.421	#
6)	d-BHC	6.637	7.310	32637	44673	0.233	0.365	#
7)	Aldrin	7.047	7.662f	102813	106991	0.613	0.805	
8)	Heptachlo...	7.517	8.069	279983	357721	1.790	3.039	#
9)	trans-Chl...	7.629	8.198f	588626	399056	3.741	3.309	
10)	cis-Chlor...	7.735f	8.351	658780	417339	4.197	3.603	
11)	Endosulfa...	7.814	8.382	964606	510176	6.721	4.744	
12)	4,4'-DDE	7.735f	8.448	658780	620916	4.567	5.392	
13)	Dieldrin	7.982	8.596	1453876	615932	9.046	5.144	#
14)	Endrin	8.173	8.803	2012569	1098711	16.314	12.709	
15)	4,4'-DDD	8.212	8.855	1373866	768713	11.316	8.146	
16)	Endosulfa...	8.298	8.942	3092888	2068991	25.550	22.558	
17)	4,4'-DDT	8.377f	9.073	2747616	815309	29.938	14.550	#
18)	Endrin Al...	8.588	9.188	2101414	1879026	20.194	23.310	
19)	Endosulfa...	8.910	9.389	1181441	799091	9.808	9.493	
20)	Methoxychlor	8.742	9.571	1064528	1938338	24.735	65.633	#
21)	Endrin Ke...	9.097	9.815	812677	395447	5.642	4.133	
23)	Hexachlor...	3.360	0.000	4789	0	2108.674	N.D.	#
24)	Hexachlor...	5.978f	6.526	5465	7156	BelowCal	2197.563	
25)	Oxychlorane	7.445	8.020	618933	338659	4.582	3.216	
26)	2,4'-DDE	7.517	8.198	279983	399056	2.919	4.938	#
27)	trans-Non...	7.684	8.292	793856	407537	5.338	3.479	
28)	2,4'-DDD	7.901	8.596	1099858	615932	13.285	8.984	
29)	2,4'-DDT	8.088	8.825	1748100	624012	23.221	11.633	#
30)	cis-Nonac...	8.173	8.855	2012569	768713	12.918	6.389	#
31)	Mirex	8.842	9.815f	3017263	395447	30.239	5.433	#
32)	Chlordane...	7.629	8.198f	588626	399056	33.349	27.583	
33)	Chlordane...	7.684f	8.351f	793856	417339	38.310	33.762	
34)	Chlordane...	8.239f	9.010	1388348	3308655	260.933	914.038	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.684	8.556	793856	1091279	953.677	974.373	
37)	Toxaphene...	7.982	8.906	1453876	1317514	964.854	965.873	
38)	Toxaphene...	8.298	8.942	3092888	2068991	994.381	953.300	
39)	Toxaphene...	8.541	9.010	2982259	3308655	1008.222	1012.574	
40)	Toxaphene...	8.773	9.188	2385429	1879026	1012.867	1009.048	
41)	Toxaphene...	8.842	9.571	3017263	1938338	994.667	957.680	
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:39
Operator : MJB
Sample : 0D10031-CALV
Misc : A19J421, TOX 1000 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: Apr 13 12:48:06 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\REQUANT\
 Data File : ECD3-04102042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:56
 Operator : MJB
 Sample : OD10031-CALW
 Misc : A19J416, TOX 2000 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: Apr 13 12:48:17 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 12:07:09 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

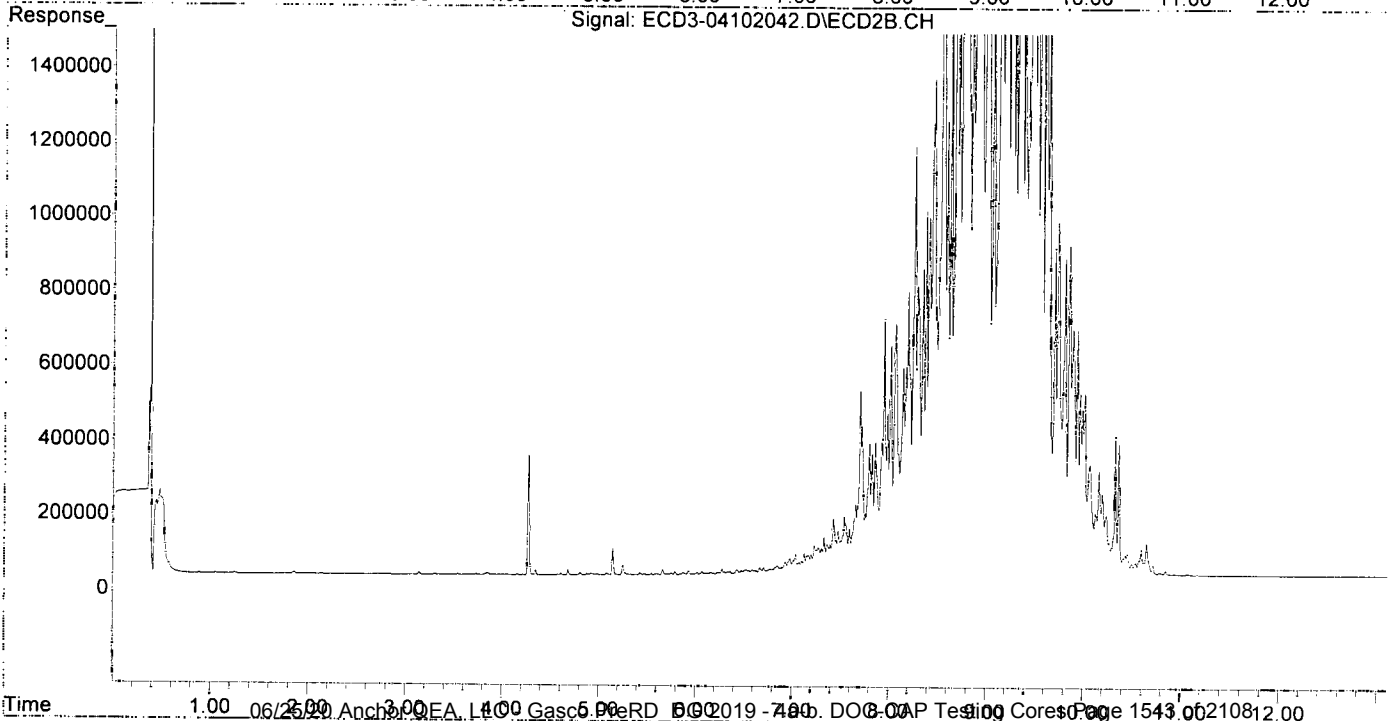
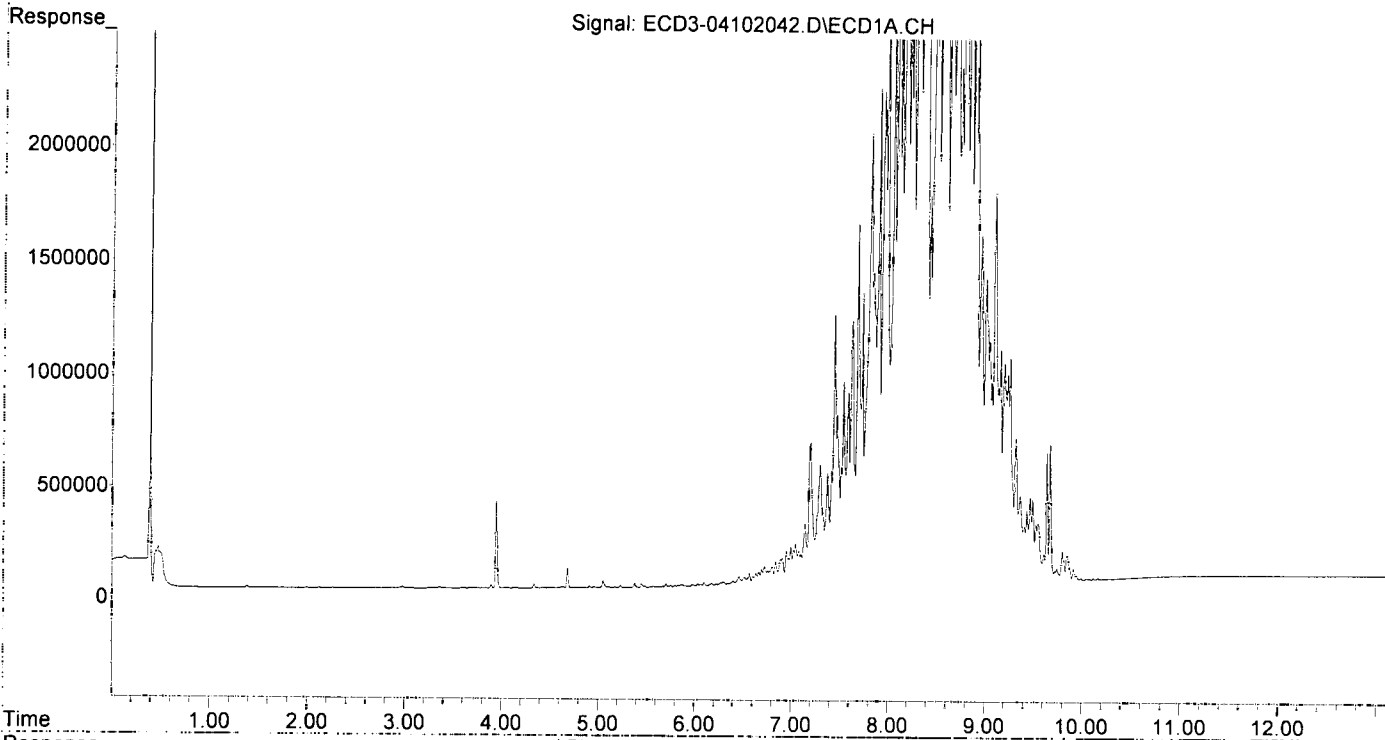
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.572	6.072	4127	8796	0.028	1884.037 #
22) S DCBP (S)	9.800	10.652f	131131	82189	0.971	0.975
Target Compounds						
2) a-BHC	6.100	6.669	15280	18465	0.076	0.118 #
3) g-BHC	6.398	6.980	20364	41714	0.118	0.310 #
4) b-BHC	6.461	7.041	38326	54079	0.562	0.881 #
5) Heptachlor	6.805	7.369	79553	80477	0.486	0.711 #
6) d-BHC	6.636	7.310	53842	70165	0.384	0.574 #
7) Aldrin	7.047	7.662f	181549	186792	1.083	1.406
8) Heptachlo...	7.517	8.070	522983	669462	3.344	5.688 #
9) trans-Chl...	7.627	8.197f	1172309	752289	7.450	6.238
10) cis-Chlor...	7.734f	8.351	1289574	814891	8.215	7.035
11) Endosulfa...	7.813	8.382	2000942	970141	13.942	9.021
12) 4,4'-DDE	7.734f	8.448	1289574	1207828	8.940	10.489
13) Dieldrin	7.981	8.595	2869354	1210348	17.854	10.108 #
14) Endrin	8.168	8.825	4052793	1284859	32.853	14.862 #
15) 4,4'-DDD	8.212	8.855	2842465	1595177	23.413	16.904
16) Endosulfa...	8.298	8.942f	6253933	4148392	51.664	45.230
17) 4,4'-DDT	8.379	9.072	5612153	1689115	57.430	29.171 #
18) Endrin Al...	8.588	9.188	4434795	3797020	42.784	47.696
19) Endosulfa...	8.909	9.390	2475015	1647741	20.546	19.575
20) Methoxychlor	8.740	9.571	2282729	4041319	50.378	122.980 #
21) Endrin Ke...	9.096	9.815	1725245	839675	11.977	8.776
23) Hexachlor...	3.359	0.000	5770	0	2108.669	N.D. #
24) Hexachlor...	5.978f	6.525	8977	13701	BelowCal	2197.503
25) Oxychlorane	7.444	8.020	1202807	609367	9.089	5.967
26) 2,4'-DDE	7.517	8.197	522983	752289	5.606	9.535 #
27) trans-Non...	7.683	8.292	1600533	768707	10.967	6.768
28) 2,4'-DDD	7.899	8.595	2193373	1210348	26.680	17.987
29) 2,4'-DDT	8.087	8.825	3552920	1284859	47.196	23.954 #
30) cis-Nonac...	8.168	8.855	4052793	1595177	26.169	13.549 #
31) Mirex	8.840	9.815f	6273981	839675	63.577	12.024 #
32) Chlordane...	7.627	8.197f	1172309	752289	66.418	52.000
33) Chlordane...	7.683f	8.351f	1600533	814891	77.238	65.922
34) Chlordane...	8.238f	9.010	2832380	6693759	532.331	1850.917 #
35) Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36) Toxaphene...	7.683	8.556	1600533	2139599	1922.758	1910.388
37) Toxaphene...	7.981	8.906	2869354	2728248	1904.226	2000.087
38) Toxaphene...	8.298	8.942	6253933	4148392	2010.675	1911.397
39) Toxaphene...	8.540	9.010	6177768	6693759	1997.578	1990.057
40) Toxaphene...	8.771	9.188	5064912	3797020	2150.591	1992.314
41) Toxaphene...	8.840	9.571	6273981	4041319	2068.273	1996.706
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\2020-04\0D10031\REQUANT\
Data File : ECD3-04102042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:56
Operator : MJB
Sample : 0D10031-CALW
Misc : A19J416, TOX 2000 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: Apr 13 12:48:17 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 12:07:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence Name: C:\msdchem\3\sequence\0D10031.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\3\DATA\2020-04\0D10031\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:
Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run Sequence Barcode Options
(X) Full Method (X) On Mismatch, Inject Anyway
() Reprocessing Only () On Mismatch, Don't Inject
 () Barcode Disabled

Line	Sample Name/Misc Info
1) Sample	1 Hexane
Datafile	ECD3-04102001
Method	ECD3_AQUPEST_140312
2) Sample	1 Hexane
Datafile	ECD3-04102002
Method	ECD3_AQUPEST_140312
3) Sample	2 0D10031-BKD1
Datafile	ECD3-04102003
Method	ECD3_AQUPEST_140312
4) Sample	3 0D10031-ICB1
Datafile	ECD3-04102004
Method	ECD3_AQUPEST_140312
5) Sample	4 0D10031-CAL1
Datafile	ECD3-04102005
Method	ECD3_AQUPEST_140312
6) Sample	5 0D10031-CAL2
Datafile	ECD3-04102006
Method	ECD3_AQUPEST_140312
7) Sample	6 0D10031-CAL3
Datafile	ECD3-04102007
Method	ECD3_AQUPEST_140312
8) Sample	7 0D10031-CAL4
Datafile	ECD3-04102008
Method	ECD3_AQUPEST_140312
9) Sample	8 0D10031-CAL5
Datafile	ECD3-04102009
Method	ECD3_AQUPEST_140312
10) Sample	9 0D10031-CAL6
Datafile	ECD3-04102010
Method	ECD3_AQUPEST_140312
11) Sample	10 0D10031-CAL7
Datafile	ECD3-04102011
Method	ECD3_AQUPEST_140312
12) Sample	11 0D10031-CAL8
Datafile	ECD3-04102012
Method	ECD3_AQUPEST_140312
13) Sample	12 0D10031-CAL9
Datafile	ECD3-04102013
Method	ECD3_AQUPEST_140312
14) Sample	1 0D10031-IBL1
Datafile	ECD3-04102014
Method	ECD3_AQUPEST_140312
15) Sample	13 0D10031-ICV1
Datafile	ECD3-04102015
Method	ECD3_AQUPEST_140312
16) Sample	14 0D10031-CALA
Datafile	ECD3-04102016
Method	ECD3_AQUPEST_140312
17) Sample	15 0D10031-CALB
Datafile	ECD3-04102017
Method	ECD3_AQUPEST_140312
18) Sample	16 0D10031-CALC
Datafile	ECD3-04102018
Method	ECD3_AQUPEST_140312
19) Sample	17 0D10031-CALD
Datafile	ECD3-04102019
Method	ECD3_AQUPEST_140312
20) Sample	18 0D10031-CALE

MJB
4/13/20

	Datafile		ECD3-04102020
	Method		ECD3_AQUPEST_140312
21)	Sample	19	OD10031-CALF
	Datafile		ECD3-04102021
	Method		ECD3_AQUPEST_140312
22)	Sample	20	OD10031-CALG
	Datafile		ECD3-04102022
	Method		ECD3_AQUPEST_140312
23)	Sample	21	OD10031-CALH
	Datafile		ECD3-04102023
	Method		ECD3_AQUPEST_140312
24)	Sample	22	OD10031-CALI
	Datafile		ECD3-04102024
	Method		ECD3_AQUPEST_140312
25)	Sample	1	OD10031-IBL2
	Datafile		ECD3-04102025
	Method		ECD3_AQUPEST_140312
26)	Sample	23	OD10031-ICV2
	Datafile		ECD3-04102026
	Method		ECD3_AQUPEST_140312
27)	Sample	24	OD10031-CALJ
	Datafile		ECD3-04102027
	Method		ECD3_AQUPEST_140312
28)	Sample	25	OD10031-CALK
	Datafile		ECD3-04102028
	Method		ECD3_AQUPEST_140312
29)	Sample	26	OD10031-CALL
	Datafile		ECD3-04102029
	Method		ECD3_AQUPEST_140312
30)	Sample	27	OD10031-CALM
	Datafile		ECD3-04102030
	Method		ECD3_AQUPEST_140312
31)	Sample	28	OD10031-CALN
	Datafile		ECD3-04102031
	Method		ECD3_AQUPEST_140312
32)	Sample	29	OD10031-CALO
	Datafile		ECD3-04102032
	Method		ECD3_AQUPEST_140312
33)	Sample	30	OD10031-CALP
	Datafile		ECD3-04102033
	Method		ECD3_AQUPEST_140312
34)	Sample	1	OD10031-IBL3
	Datafile		ECD3-04102034
	Method		ECD3_AQUPEST_140312
35)	Sample	31	OD10031-ICV3
	Datafile		ECD3-04102035
	Method		ECD3_AQUPEST_140312
36)	Sample	32	OD10031-CALQ
	Datafile		ECD3-04102036
	Method		ECD3_AQUPEST_140312
37)	Sample	33	OD10031-CALR
	Datafile		ECD3-04102037
	Method		ECD3_AQUPEST_140312
38)	Sample	34	OD10031-CALS
	Datafile		ECD3-04102038
	Method		ECD3_AQUPEST_140312
39)	Sample	35	OD10031-CALT
	Datafile		ECD3-04102039
	Method		ECD3_AQUPEST_140312
40)	Sample	36	OD10031-CALU
	Datafile		ECD3-04102040
	Method		ECD3_AQUPEST_140312
41)	Sample	37	OD10031-CALV
	Datafile		ECD3-04102041
	Method		ECD3_AQUPEST_140312
42)	Sample	38	OD10031-CALW
	Datafile		ECD3-04102042
	Method		ECD3_AQUPEST_140312
43)	Sample	1	OD10031-IBL4
	Datafile		ECD3-04102043
	Method		ECD3_AQUPEST_140312

Sequence Name: C:\msdchem\3\sequence\0D10031.s

Line Type	Vial	DataFile	Method	Sample Name
-----------	------	----------	--------	-------------

44) Sample	39	0D10031-ICV4		
Datafile		ECD3-04102044		
Method		ECD3_AQUPEST_140312		

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0D10031 BKD1
Data File: ECD3-04102003.D

First Column Area Counts		Percent Breakdown	
DDE	870897		
DDD	6379977		
DDT	109821158	6.19	PASS
Endrin	63679609	12.24	PASS
Endrin Aldehyde	2641231		
Endrin Ketone	6240924		

Second Column Area Counts		Percent Breakdown	
DDE	762058		
DDD	5075373		
DDT	58162978	9.12	PASS
Endrin	40642632	12.35	PASS
Endrin Aldehyde	1781204		
Endrin Ketone	3943501		

Breakdown must be less than 15% to accept sample data.

MB
4/14/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 11:48
 Operator : MJB
 Sample : 0D10031-BKD1
 Misc : A20C091
 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: Apr 13 12:25:26 2020
 Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200410.M
 Quant Title : Pesticides
 QLast Update : Wed Apr 08 14:20:09 2020
 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	7.772	870897	NoCal	ng/mL
2) Endrin	8.153	63679609	NoCal	ng/mL
3) 4,4'-DDD	8.198	6379977	NoCal	ng/mL
4) 4,4'-DDT	8.397	109821158	NoCal	ng/mL
5) Endrin Aldehyde	8.605	2641231	NoCal	ng/mL
6) Endrin Ketone	9.107	6240924	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.436	762058	NoCal	ng/mL
9) Endrin [2C]	8.811	40642632	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.854	5075373	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.198	1781204	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.083	58162978	NoCal	ng/mL
13) Endrin Ketone [2C]	9.793	3943501	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

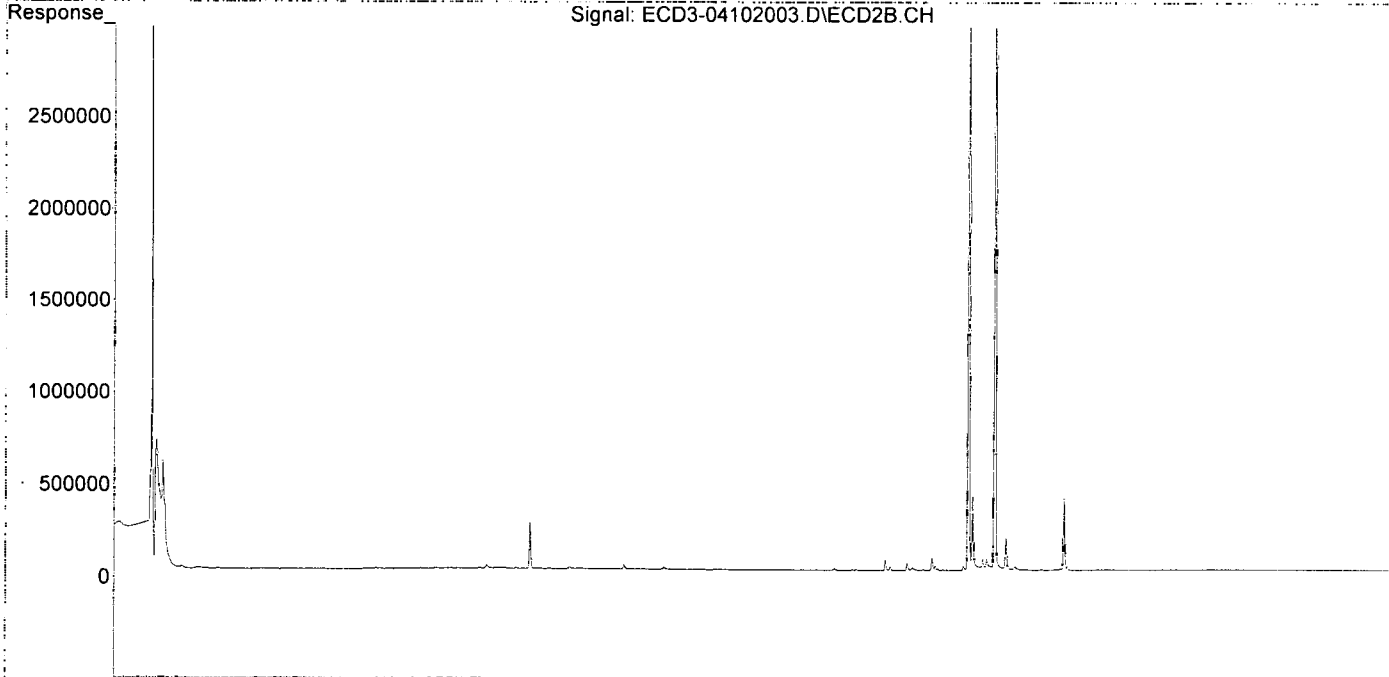
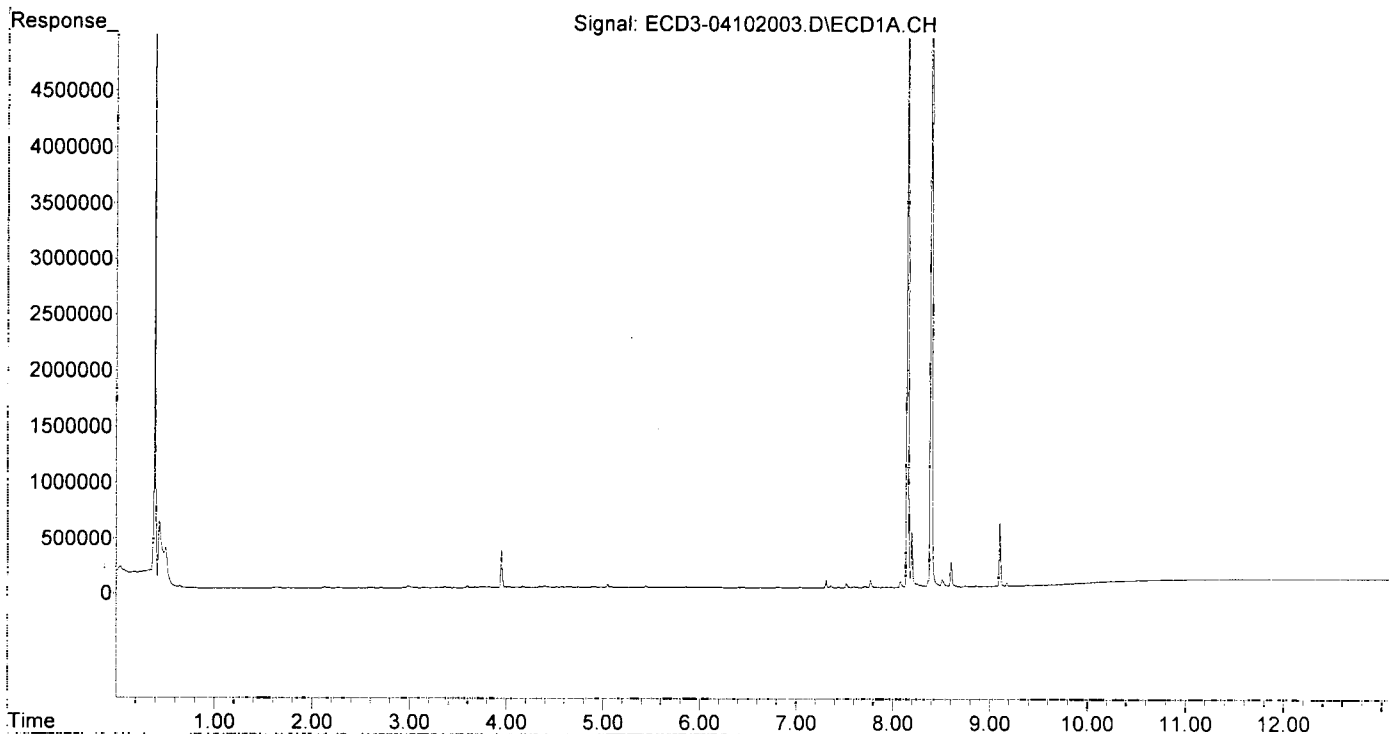
(m)=manual int.

MJB
4/13/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
Data File : ECD3-04102003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 11:48
Operator : MJB
Sample : 0D10031-BKD1
Misc : A20C091
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: Apr 13 12:25:26 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_200410.M
Quant Title : Pesticides
QLast Update : Wed Apr 08 14:20:09 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:22
 Operator : MJB
 Sample : 0D10031-CAL1
 Misc : A20D133, AB 0.5 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: Apr 13 11:36:59 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

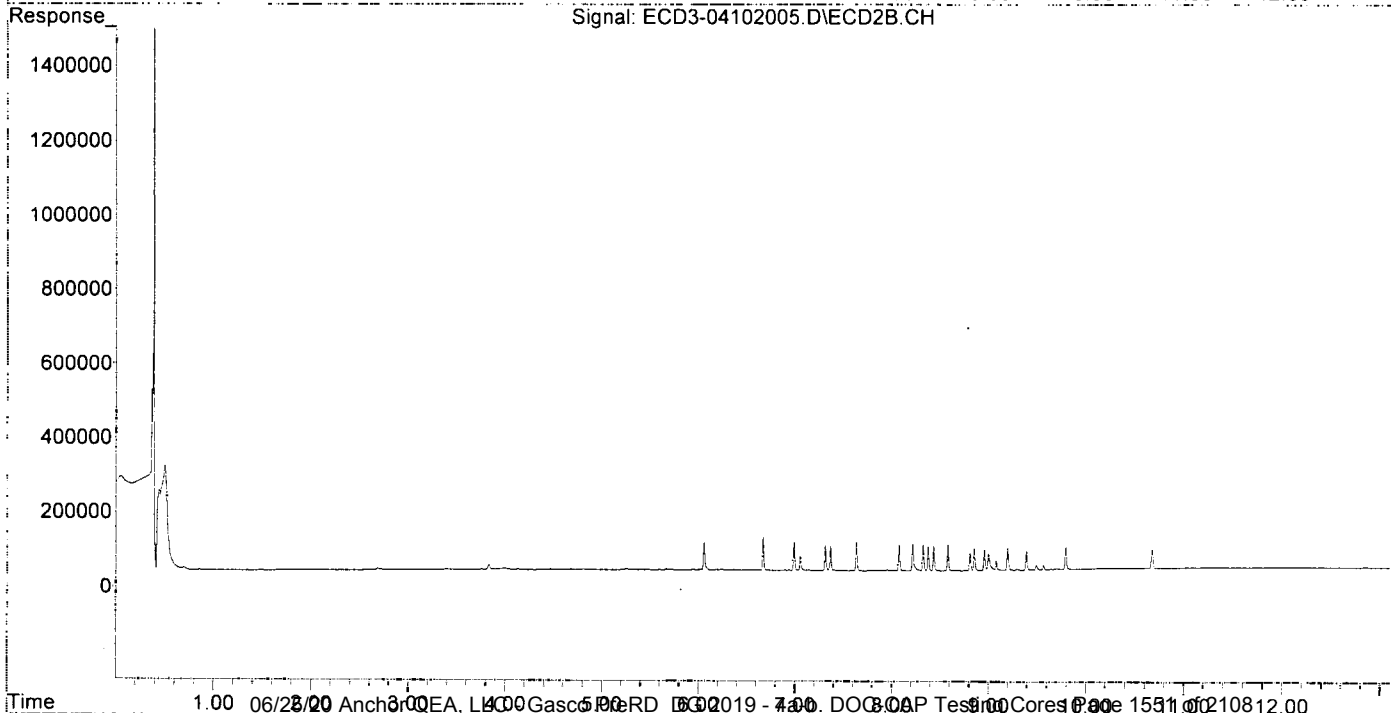
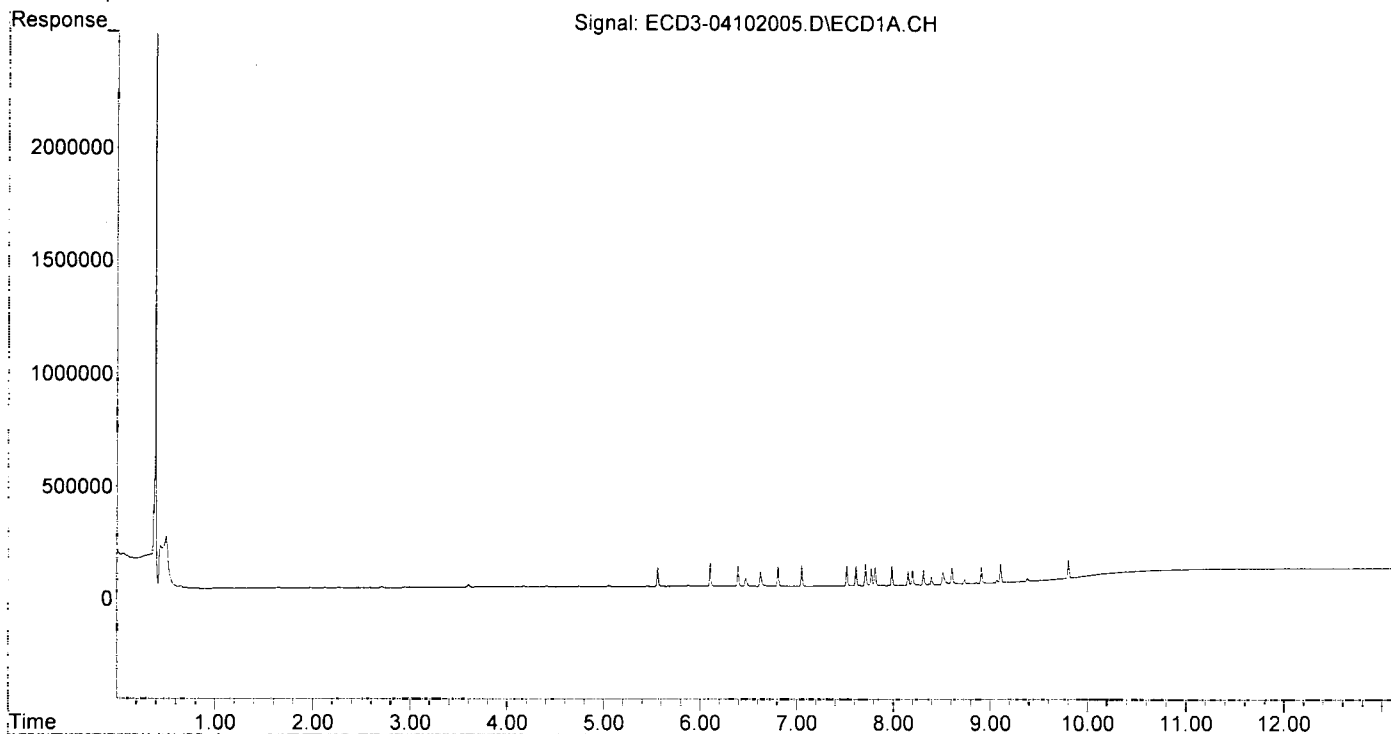
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.561	6.060	85749	73007	0.495	0.475
22) S DCBP (S)	9.806	10.678	78745	50449	0.437	0.716 #
Target Compounds						
2) a-BHC	6.107	6.672	106090	87452	0.473	0.787 #
3) g-BHC	6.394	6.993	91195	75918	0.459	0.689 #
4) b-BHC	6.474	7.059	37211	37170	0.406	0.649 #
5) Heptachlor	6.809	7.371	88422	63633	0.498	0.633
6) d-BHC	6.628	7.317	66268	66365	0.340	0.598 #
7) Aldrin	7.054	7.640	92070	76126	0.488	0.696 #
8) Heptachlo...	7.520	8.081	91327	69830	0.523	0.763 #
9) trans-Chl...	7.617	8.222	87797	71156	0.488	0.570
10) cis-Chlor...	7.714	8.330	98925	70102	0.567	0.726
11) Endosulfa...	7.815	8.382	82435	65843	0.513	0.735 #
12) 4,4'-DDE	7.774	8.437	76638	64334	0.430	0.685 #
13) Dieldrin	7.988	8.584	86632	68980	0.484	0.689 #
14) Endrin	8.155	8.813	63369	47079	0.474	0.661
15) 4,4'-DDD	8.201	8.857	67675	58722	0.453	0.760 #
16) Endosulfa...	8.315	8.962	70776	55230	0.470	0.707 #
17) 4,4'-DDT	8.399	9.084	37407	24779	0.312	0.484 #
18) Endrin Al...	8.608	9.201	73553	58732	0.358	0.629 #
19) Endosulfa...	8.913	9.392	72456	50159	0.505	0.495
20) Methoxychlor	8.738	9.568	19411	11909	0.316	0.448 #
21) Endrin Ke...	9.110	9.796	83435	57366	0.509	0.785 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:22
Operator : MJB
Sample : 0D10031-CAL1
Misc : A20D133, AB 0.5 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: Apr 13 11:36:59 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:39
 Operator : MJB
 Sample : 0D10031-CAL2
 Misc : A20D134, AB 1 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: Apr 13 11:37:35 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

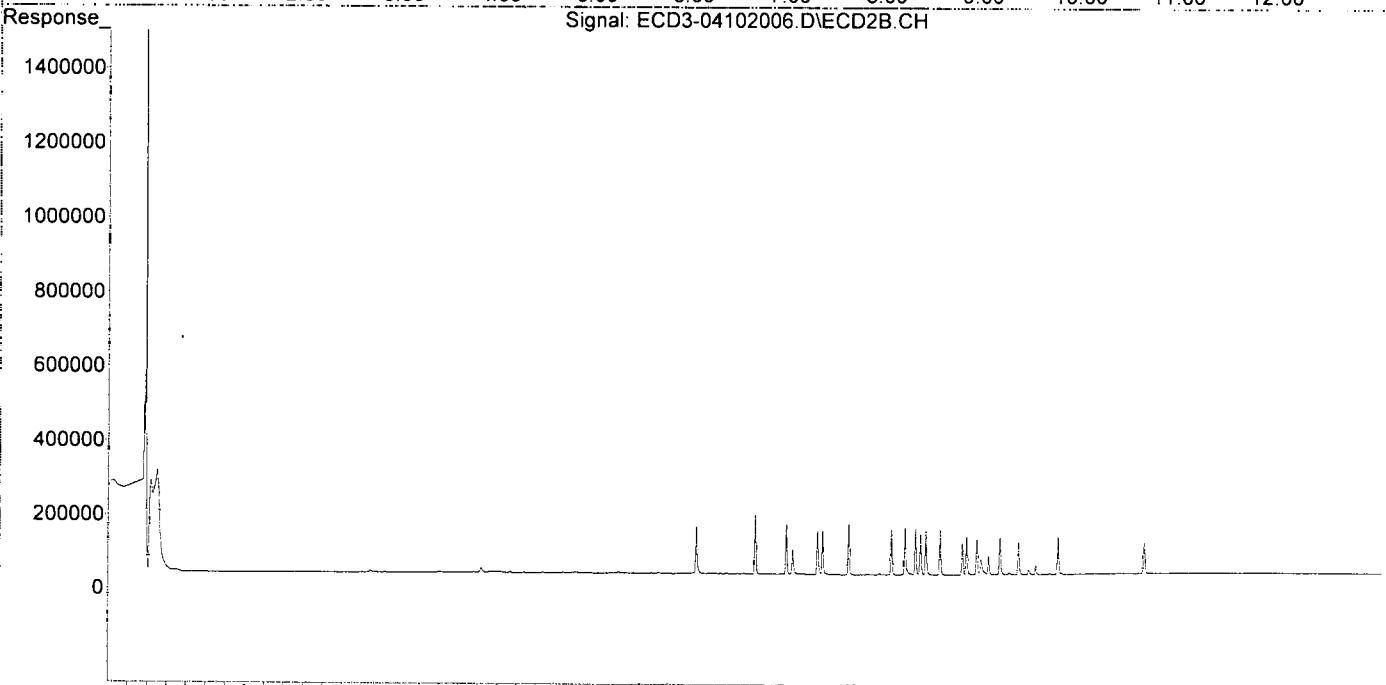
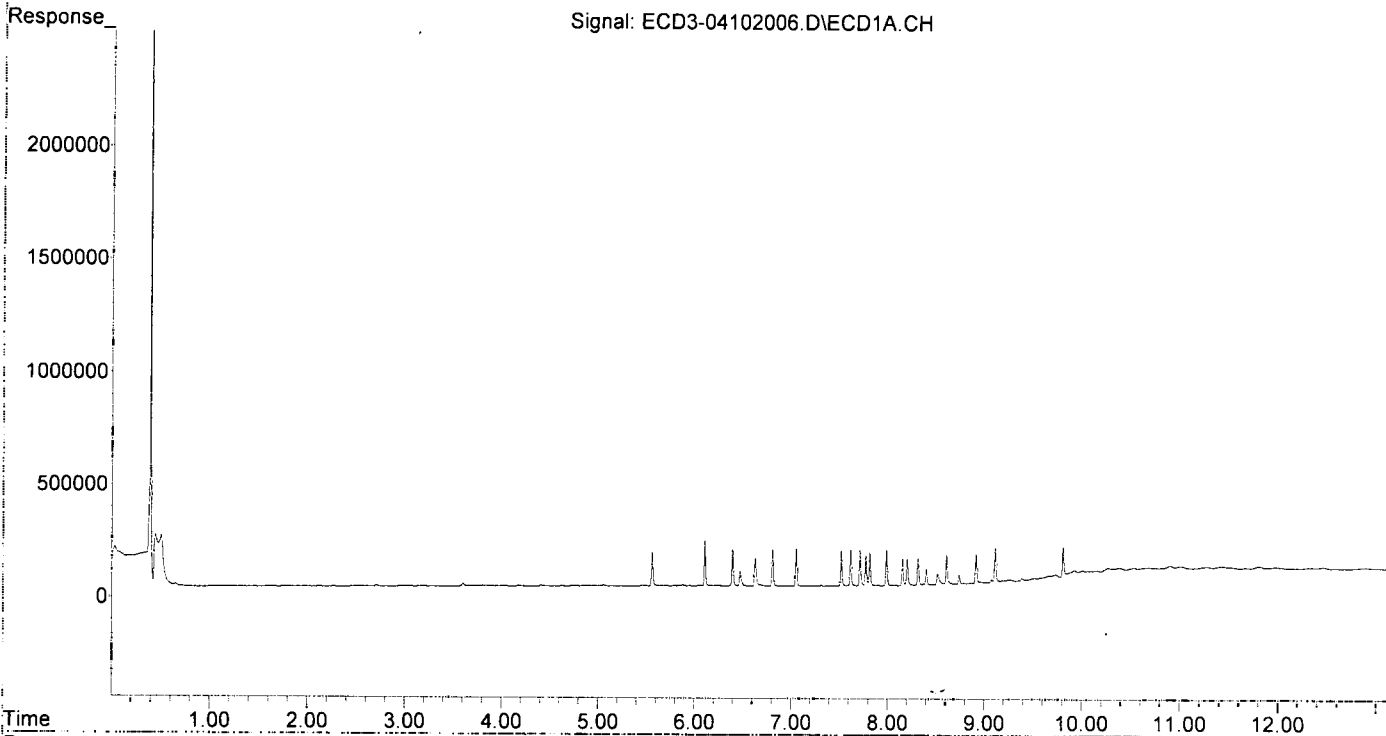
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.061	150599	127191	0.870	0.954
22) S DCBP (S)	9.808	10.679	135418	81619	0.888	1.291 #
Target Compounds						
2) a-BHC	6.107	6.672	198771	160189	0.886	1.442 #
3) g-BHC	6.394	6.994	162951	137359	0.820	1.364 #
4) b-BHC	6.474	7.060	66101	66254	0.721	1.322 #
5) Heptachlor	6.809	7.371	162313	116127	0.915	1.283 #
6) d-BHC	6.628	7.317	123295	118368	0.633	1.165 #
7) Aldrin	7.054	7.640	165393	136778	0.876	1.250 #
8) Heptachlo...	7.521	8.082	160396	122009	0.919	1.332 #
9) trans-Chl...	7.617	8.223	160412	126502	0.892	1.143
10) cis-Chlor...	7.715	8.331	162363	124533	0.931	1.291
11) Endosulfa...	7.816	8.383	145356	110124	0.905	1.228
12) 4,4'-DDE	7.775	8.438	132356	115967	0.742	1.235 #
13) Dieldrin	7.988	8.585	160736	120867	0.897	1.208
14) Endrin	8.156	8.815	118800	86799	0.888	1.219
15) 4,4'-DDD	8.202	8.858	118335	101471	0.793	1.416 #
16) Endosulfa...	8.316	8.964	119697	95182	0.840	1.219 #
17) 4,4'-DDT	8.400	9.085	73450	49721	0.614	0.971 #
18) Endrin Al...	8.609	9.203	127313	100085	0.791	1.237 #
19) Endosulfa...	8.913	9.393	126416	88344	0.880	1.018
20) Methoxychlor	8.739	9.568	39011	24923	0.635	0.938 #
21) Endrin Ke...	9.111	9.797	152949	100622	0.933	1.377 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:39
Operator : MJB
Sample : 0D10031-CAL2
Misc : A20D134, AB 1 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: Apr 13 11:37:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 12:56
 Operator : MJB
 Sample : 0D10031-CAL3
 Misc : A20C179, AB 2 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: Apr 13 11:38:13 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

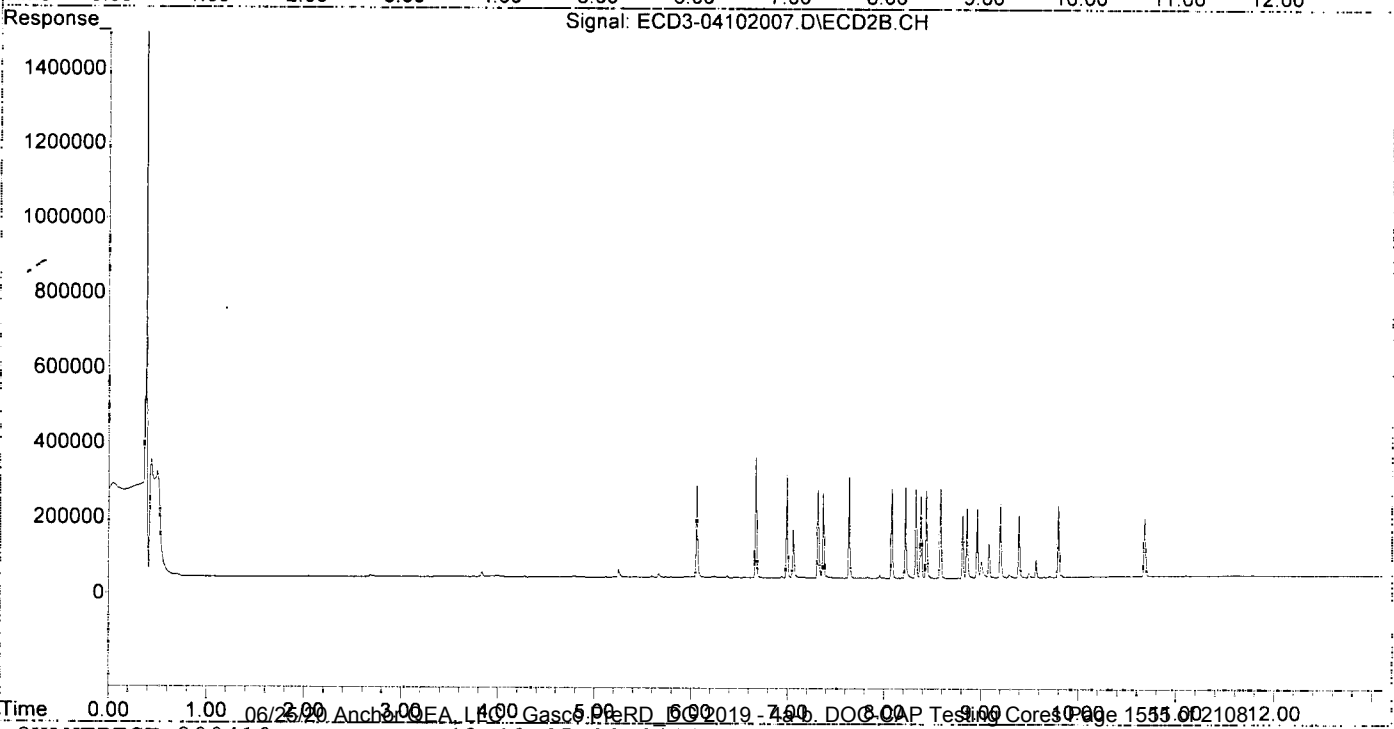
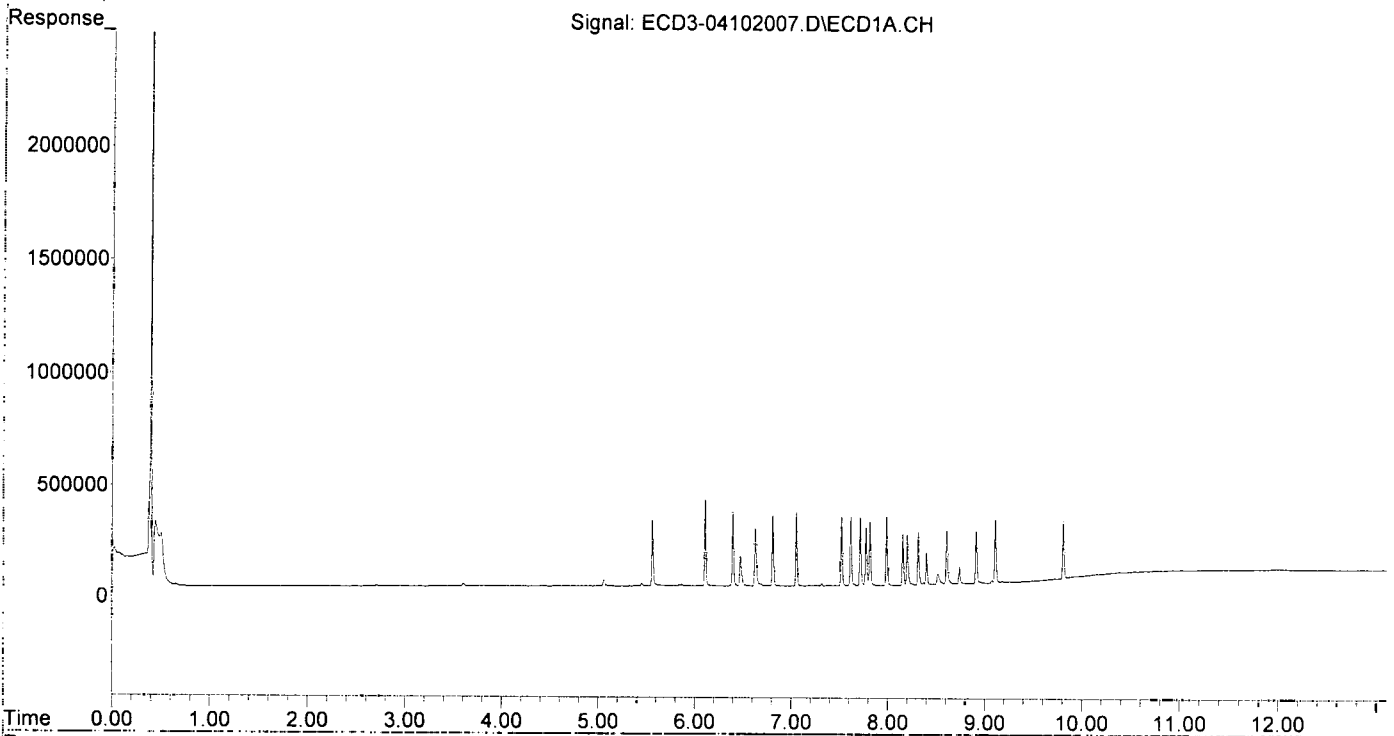
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.061	294629	242169	1.702	1.971
22) S DCBP (S)	9.807	10.679	249594	153175	1.796	2.610 #
Target Compounds						
2) a-BHC	6.107	6.673	386030	318129	1.721	2.863 #
3) g-BHC	6.395	6.994	330735	271046	1.665	2.834 #
4) b-BHC	6.473	7.059	133460	127912	1.456	2.749 #
5) Heptachlor	6.809	7.371	311735	223319	1.756	2.614 #
6) d-BHC	6.628	7.317	258031	234036	1.324	2.427 #
7) Aldrin	7.054	7.640	330949	268918	1.753	2.458 #
8) Heptachlo...	7.521	8.082	311852	241069	1.787	2.632 #
9) trans-Chl...	7.617	8.223	308851	240690	1.717	2.324
10) cis-Chlor...	7.714	8.331	309955	235252	1.777	2.438
11) Endosulfa...	7.815	8.382	284291	219822	1.770	2.452
12) 4,4'-DDE	7.774	8.438	264579	230910	1.484	2.459 #
13) Dieldrin	7.988	8.585	311986	236771	1.742	2.366
14) Endrin	8.155	8.814	233183	167127	1.744	2.347
15) 4,4'-DDD	8.201	8.857	229102	184447	1.534	2.690 #
16) Endosulfa...	8.315	8.963	233441	182611	1.637	2.339 #
17) 4,4'-DDT	8.399	9.085	145442	89330	1.215	1.744 #
18) Endrin Al...	8.608	9.202	237806	191739	1.680	2.584 #
19) Endosulfa...	8.913	9.393	233112	166426	1.623	2.086
20) Methoxychlor	8.739	9.568	74306	46818	1.209	1.763 #
21) Endrin Ke...	9.110	9.797	285336	188983	1.741	2.586 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 12:56
Operator : MJB
Sample : 0D10031-CAL3
Misc : A20C179, AB 2 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: Apr 13 11:38:13 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 13:14
 Operator : MJB
 Sample : 0D10031-CAL4
 Misc : A20C180, AB 5 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: Apr 13 11:38:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

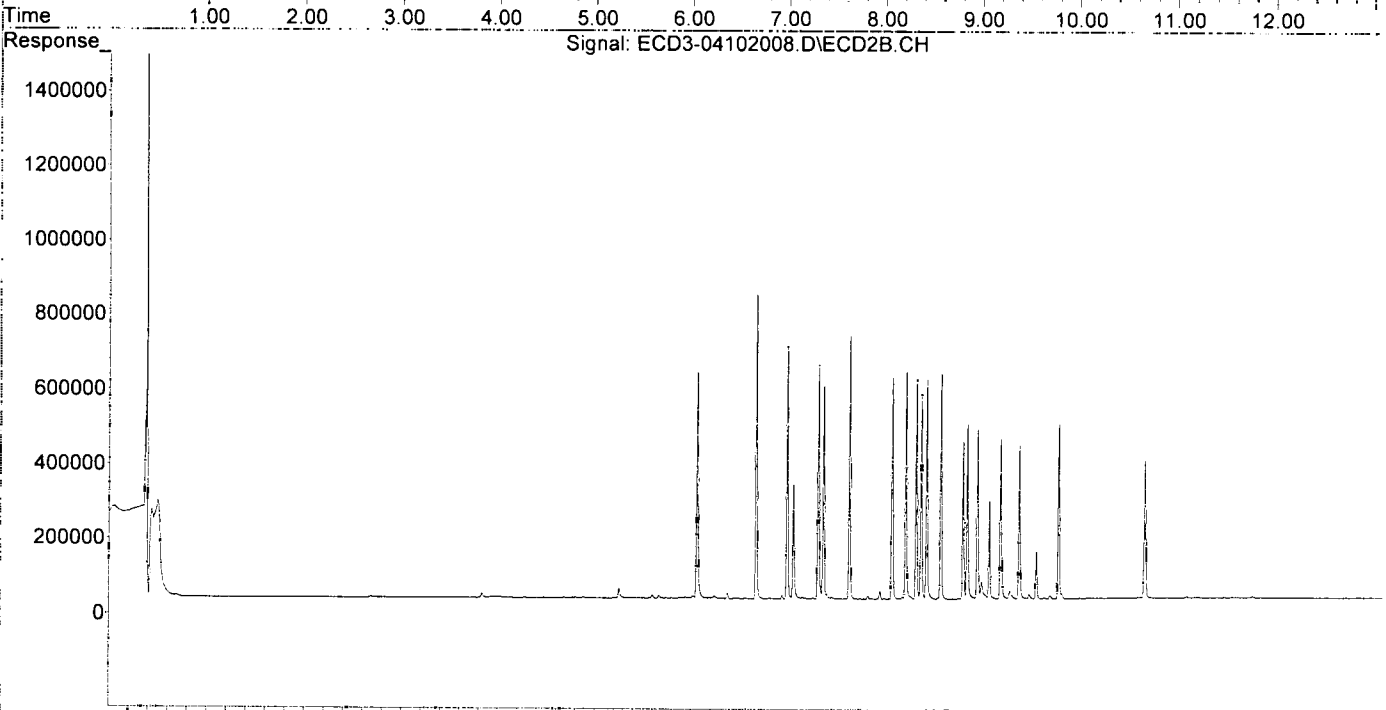
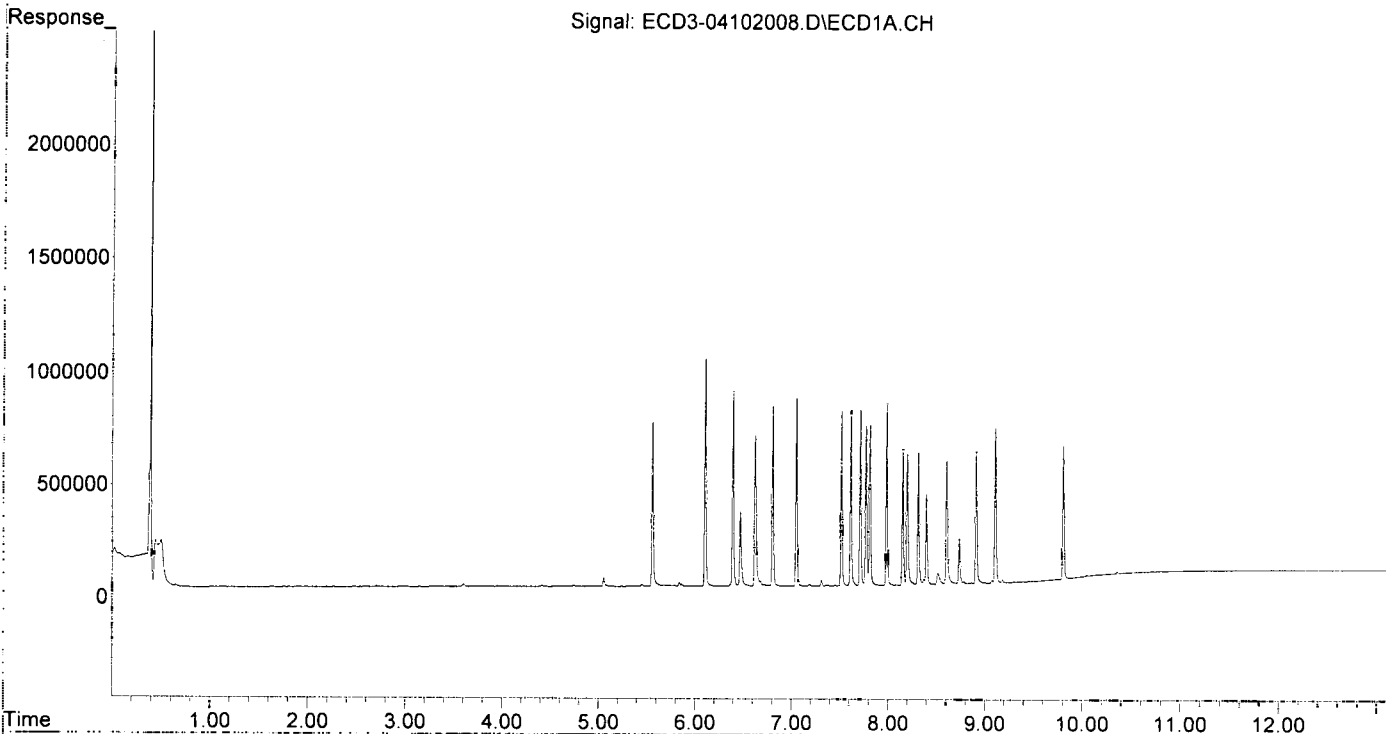
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.561	6.061	727524	601812	4.202	5.159
22) S DCBP (S)	9.806	10.678	587016	364366	4.483	6.507 #
Target Compounds						
2) a-BHC	6.107	6.673	1011773	809491	4.512	7.285 #
3) g-BHC	6.395	6.994	864784	673024	4.354	7.268 #
4) b-BHC	6.472	7.059	326774	302941	3.566	6.814 #
5) Heptachlor	6.808	7.371	799546	564693	4.505	6.863 #
6) d-BHC	6.626	7.317	669294	620859	3.434	6.662 #
7) Aldrin	7.052	7.640	838045	699880	4.438	6.397 #
8) Heptachlo...	7.520	8.082	780587	590771	4.472	6.451 #
9) trans-Chl...	7.616	8.223	779273	605591	4.332	6.104 #
10) cis-Chlor...	7.714	8.331	784009	585259	4.496	6.065
11) Endosulfa...	7.815	8.382	712441	546125	4.434	6.092
12) 4,4'-DDE	7.774	8.438	712814	584778	3.998	6.229 #
13) Dieldrin	7.987	8.584	805257	602273	4.496	6.018
14) Endrin	8.155	8.814	600774	419756	4.493	5.895
15) 4,4'-DDD	8.201	8.857	580403	466489	3.887	7.032 #
16) Endosulfa...	8.314	8.963	589436	453168	4.134	5.805 #
17) 4,4'-DDT	8.399	9.085	402575	260165	3.563	5.081 #
18) Endrin Al...	8.608	9.201	545702	424119	4.161	6.003 #
19) Endosulfa...	8.913	9.393	580327	407094	4.041	5.378
20) Methoxychlor	8.738	9.568	204727	127410	3.332	4.797 #
21) Endrin Ke...	9.110	9.797	688717	464140	4.203	6.350 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 13:14
Operator : MJB
Sample : 0D10031-CAL4
Misc : A20C180, AB 5 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: Apr 13 11:38:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 13:31
 Operator : MJB
 Sample : 0D10031-CAL5
 Misc : A20C181, AB 10 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: Apr 13 11:39:30 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

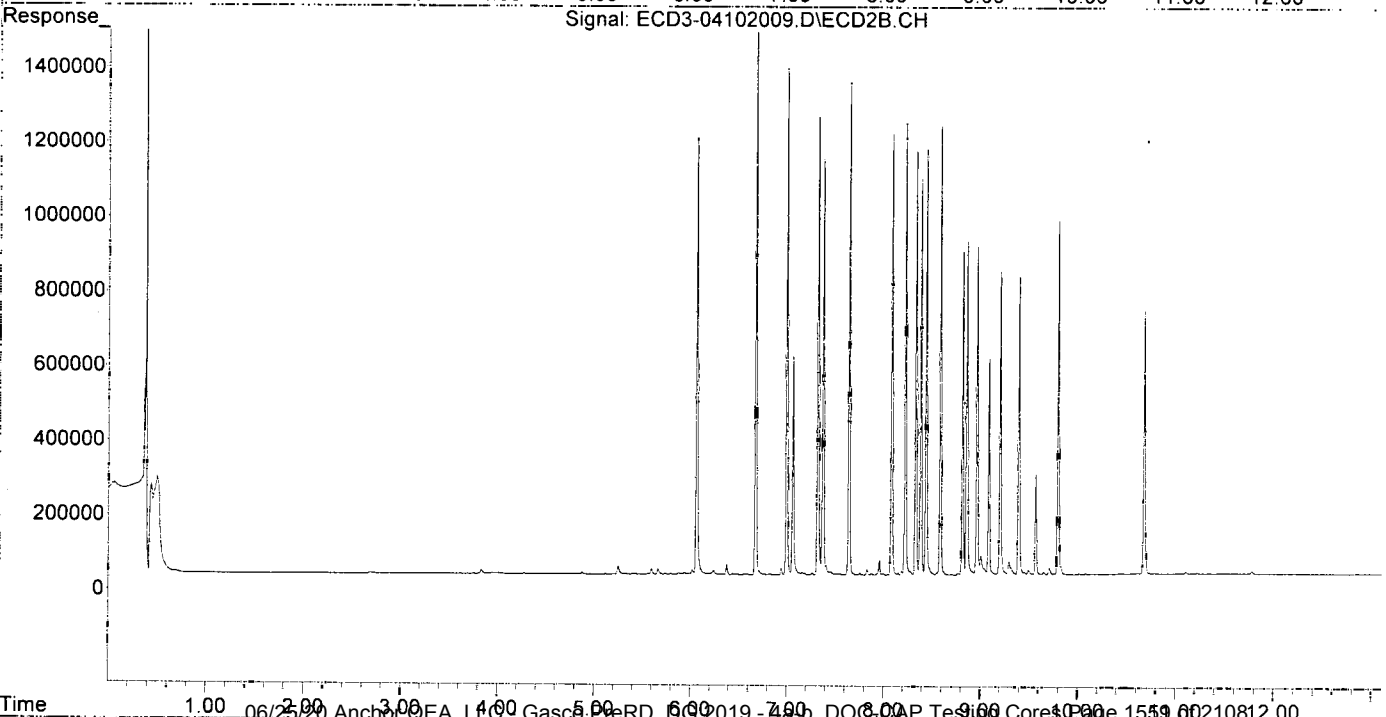
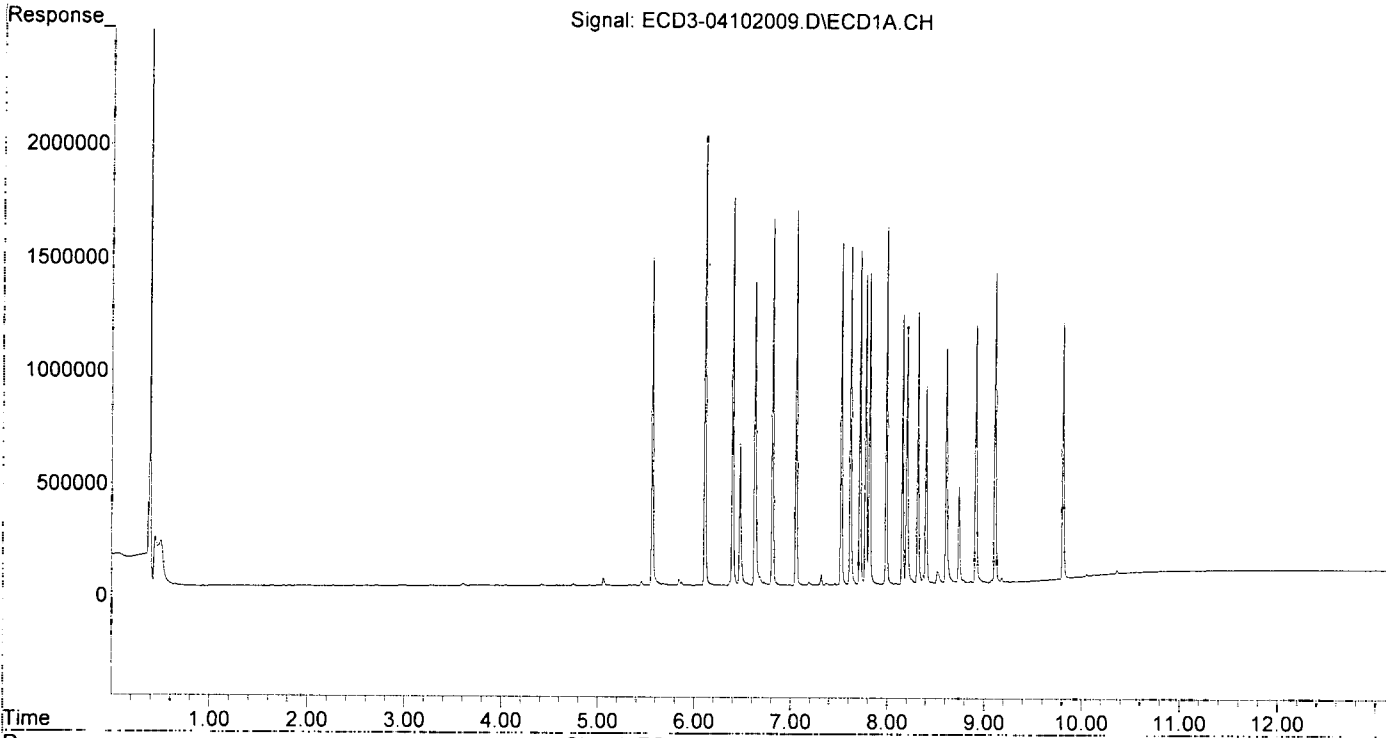
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.563	6.062	1449955	1164651	8.375	10.166
22) S DCBP (S)	9.808	10.679	1130527	701737	8.819	12.745 #
Target Compounds						
2) a-BHC	6.109	6.674	1992062	1592422	8.883	14.330 #
3) g-BHC	6.395	6.994	1722298	1349252	8.671	14.771 #
4) b-BHC	6.473	7.059	621775	583118	6.785	13.363 #
5) Heptachlor	6.809	7.372	1629185	1105625	9.179	13.635 #
6) d-BHC	6.627	7.317	1348815	1223432	6.920	13.302 #
7) Aldrin	7.054	7.641	1665359	1316403	8.820	12.032
8) Heptachlo...	7.521	8.082	1525229	1175438	8.739	12.836 #
9) trans-Chl...	7.617	8.223	1502883	1202264	8.355	12.309 #
10) cis-Chlor...	7.714	8.332	1485434	1131819	8.518	11.729
11) Endosulfa...	7.815	8.383	1386208	1056492	8.628	11.786
12) 4,4'-DDE	7.774	8.438	1382476	1137288	7.754	12.114 #
13) Dieldrin	7.988	8.585	1588078	1196698	8.867	11.957
14) Endrin	8.156	8.815	1200412	862016	8.978	12.106
15) 4,4'-DDD	8.201	8.857	1143858	889692	7.651	13.578 #
16) Endosulfa...	8.315	8.963	1207633	876423	8.470	11.226
17) 4,4'-DDT	8.399	9.085	875483	578694	7.313	11.301 #
18) Endrin Al...	8.608	9.202	1043139	811442	8.174	11.711 #
19) Endosulfa...	8.913	9.393	1141536	796875	7.949	10.711
20) Methoxychlor	8.739	9.568	427742	269363	6.962	10.141 #
21) Endrin Ke...	9.111	9.797	1381099	942335	8.427	12.892 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 13:31
Operator : MJB
Sample : 0D10031-CAL5
Misc : A20C181, AB 10 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: Apr 13 11:39:30 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 13:48
 Operator : MJB
 Sample : 0D10031-CAL6
 Misc : A20C182, AB 25 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: Apr 13 11:40:02 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

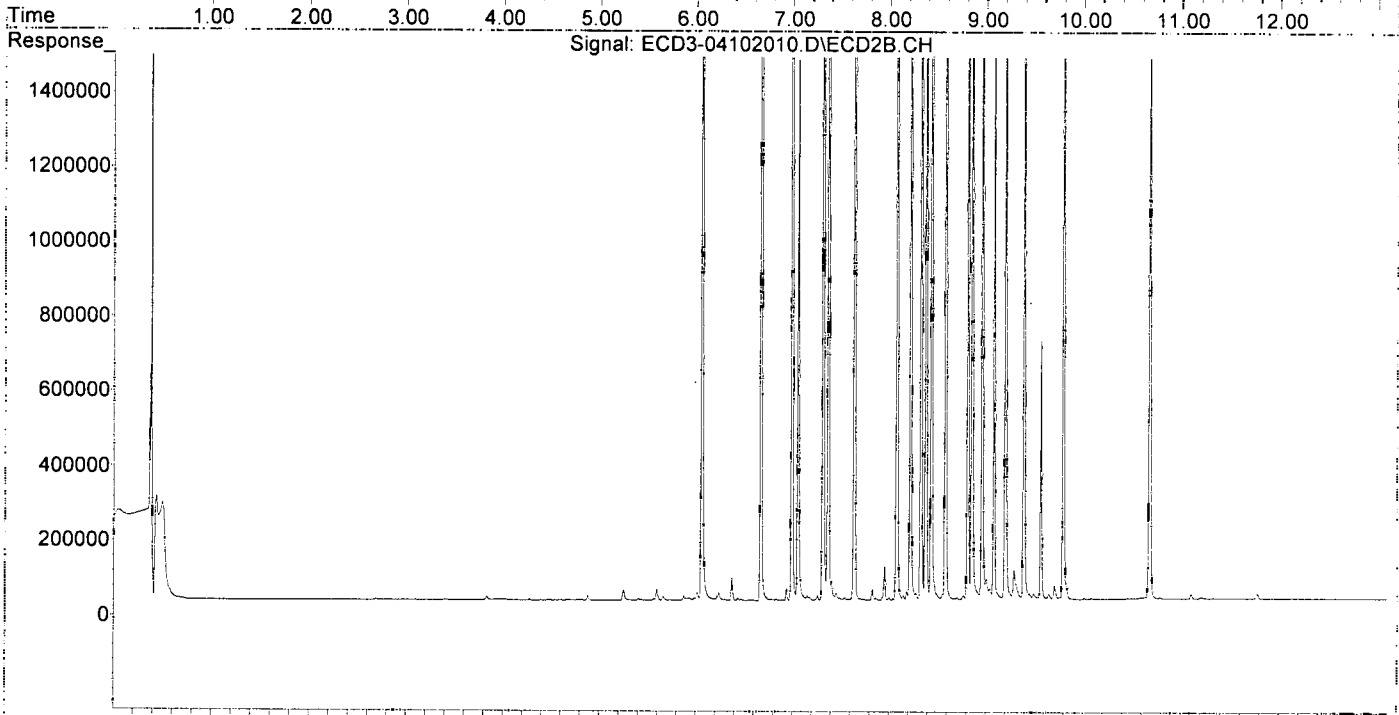
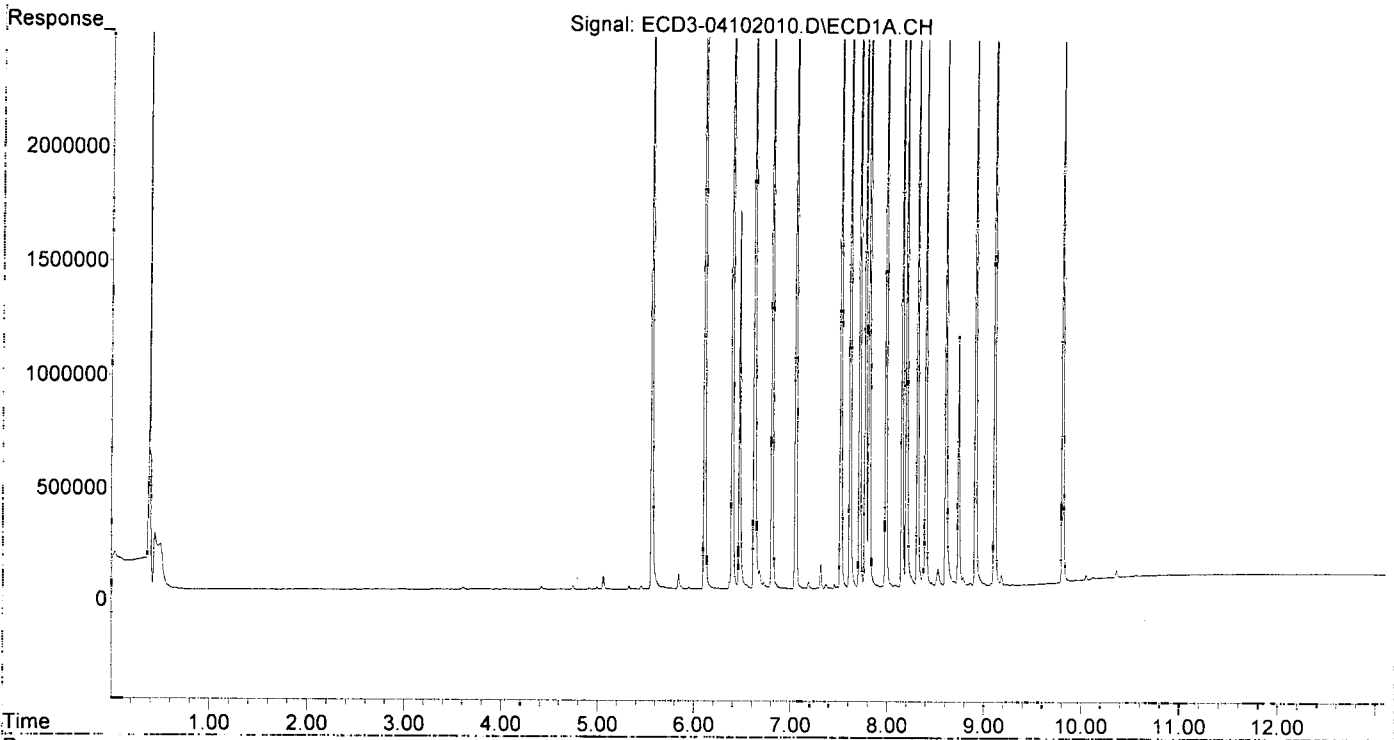
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.061	3620730	2793596	20.914	24.796
22) S DCBP (S)	9.807	10.679	2727108	1659485	21.610	30.582 #
Target Compounds						
2) a-BHC	6.108	6.673	4970390	3891920	22.164	35.023 #
3) g-BHC	6.395	6.994	4292566	3362986	21.611	37.466 #
4) b-BHC	6.471	7.058	1680896	1441819	18.342	33.762 #
5) Heptachlor	6.808	7.371	3984158	2769954	22.448	34.782 #
6) d-BHC	6.624	7.315	3518783	3102871	18.053	34.358 #
7) Aldrin	7.053	7.640	4119405	3247513	21.816	29.681
8) Heptachlo...	7.520	8.082	3754002	2836226	21.509	30.971 #
9) trans-Chl...	7.616	8.223	3815437	2978658	21.210	30.947 #
10) cis-Chlor...	7.713	8.331	3703571	2773817	21.237	28.744
11) Endosulfa...	7.814	8.382	3466454	2611533	21.576	29.133
12) 4,4'-DDE	7.773	8.437	3675424	2877432	20.614	30.648 #
13) Dieldrin	7.987	8.585	3986579	2919821	22.258	29.175
14) Endrin	8.155	8.814	3047888	2128761	22.795	29.896
15) 4,4'-DDD	8.200	8.857	3056605	2212251	20.472	34.284 #
16) Endosulfa...	8.314	8.962	2966130	2201693	20.805	28.202
17) 4,4'-DDT	8.399	9.085	2456263	1496497	20.517	29.225 #
18) Endrin Al...	8.607	9.201	2573122	1952460	20.547	28.591
19) Endosulfa...	8.913	9.393	2840981	2020111	19.782	27.447
20) Methoxychlor	8.737	9.568	1114647	689159	18.142	25.945 #
21) Endrin Ke...	9.110	9.797	3445975	2250304	21.027	30.787 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 13:48
Operator : MJB
Sample : 0D10031-CAL6
Misc : A20C182, AB 25 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: Apr 13 11:40:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:05
 Operator : MJB
 Sample : 0D10031-CAL7
 Misc : A20C183, AB 50 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: Apr 13 11:35:11 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Mar 09 12:29:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

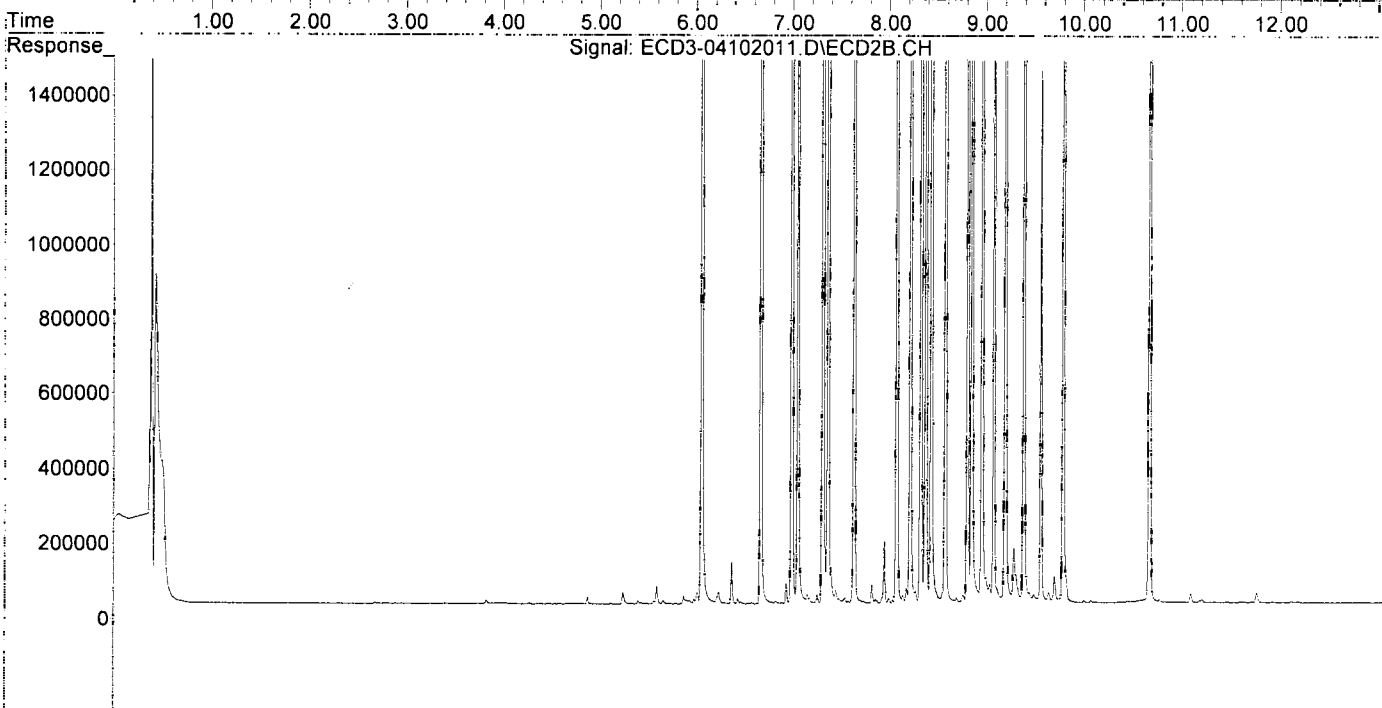
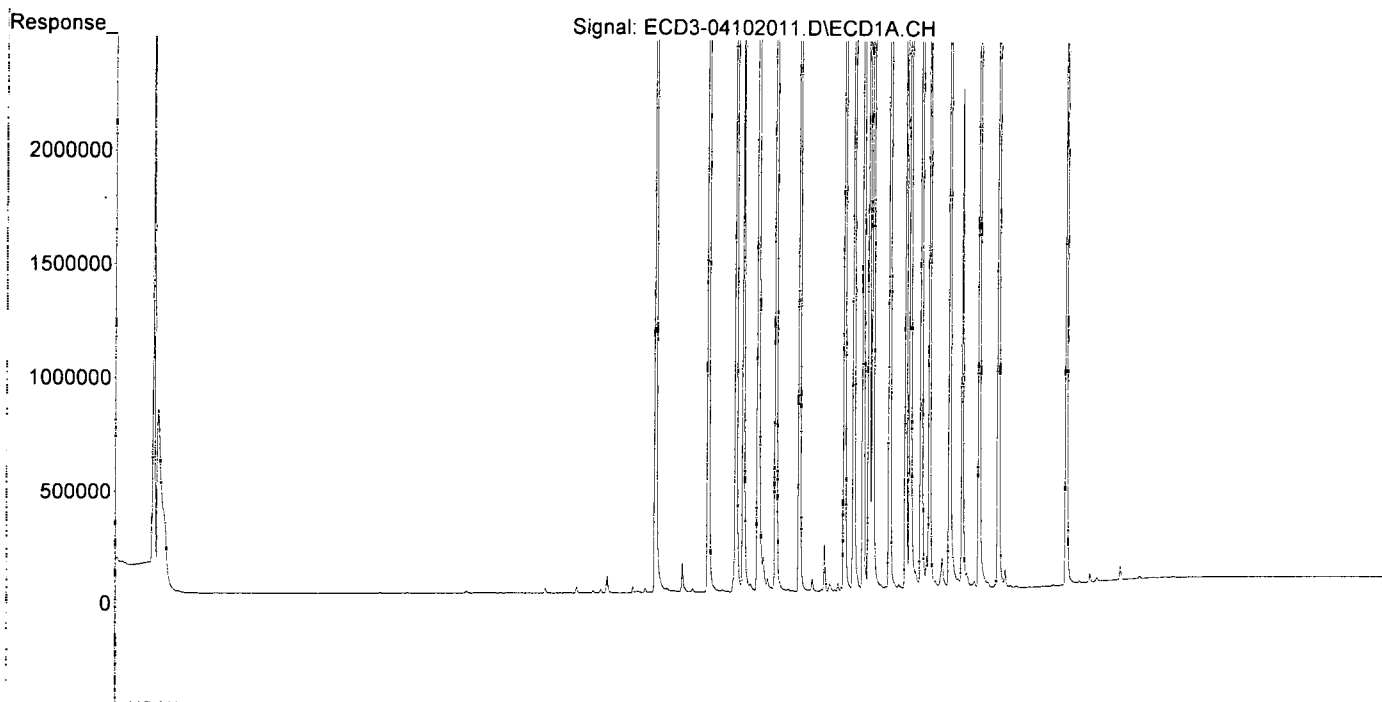
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.062	6908561	5350810	39.904	48.186
22) S DCBP (S)	9.807	10.679	5172590	3177027	41.363	58.960 #
Target Compounds						
2) a-BHC	6.108	6.674	9856715	7382419	43.952	66.434 #
3) g-BHC	6.395	6.994	8390299	6395054	42.241	72.694 #
4) b-BHC	6.470	7.058	3275829	2819965	35.746	67.617 #
5) Heptachlor	6.808	7.372	7786801	5432137	43.873	69.656 #
6) d-BHC	6.624	7.316	7200622	5907599	36.942	66.832 #
7) Aldrin	7.053	7.640	7862388	6276155	41.639	57.362
8) Heptachlo...	7.520	8.082	7294406	5446885	41.794	59.479 #
9) trans-Chl...	7.615	8.222	7465806	5551909	41.503	58.408 #
10) cis-Chlor...	7.713	8.331	7133255	5236394	40.904	54.263
11) Endosulfa...	7.814	8.382	6731758	4951225	41.900	55.234
12) 4,4'-DDE	7.772	8.437	7150986	5427651	40.107	57.811 #
13) Dieldrin	7.987	8.584	7608328	5672261	42.479	56.678
14) Endrin	8.154	8.814	6088856	4168787	45.538	58.545
15) 4,4'-DDD	8.200	8.856	5813915	4432731	38.939	69.945 #
16) Endosulfa...	8.313	8.962	5720662	4306868	40.125	55.168
17) 4,4'-DDT	8.399	9.084	5090784	3189186	42.522	62.281 #
18) Endrin Al...	8.607	9.201	4966378	3803916	40.003	56.190 #
19) Endosulfa...	8.912	9.392	5681676	3917488	39.562	53.410
20) Methoxychlor	8.738	9.568	2212679	1415590	36.013	53.293 #
21) Endrin Ke...	9.109	9.797	6843717	4537747	41.760	62.082 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:05
Operator : MJB
Sample : 0D10031-CAL7
Misc : A20C183, AB 50 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: Apr 13 11:35:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Mar 09 12:29:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:22
 Operator : MJB
 Sample : 0D10031-CAL8
 Misc : A20C184, AB 100 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: Apr 13 11:40:41 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

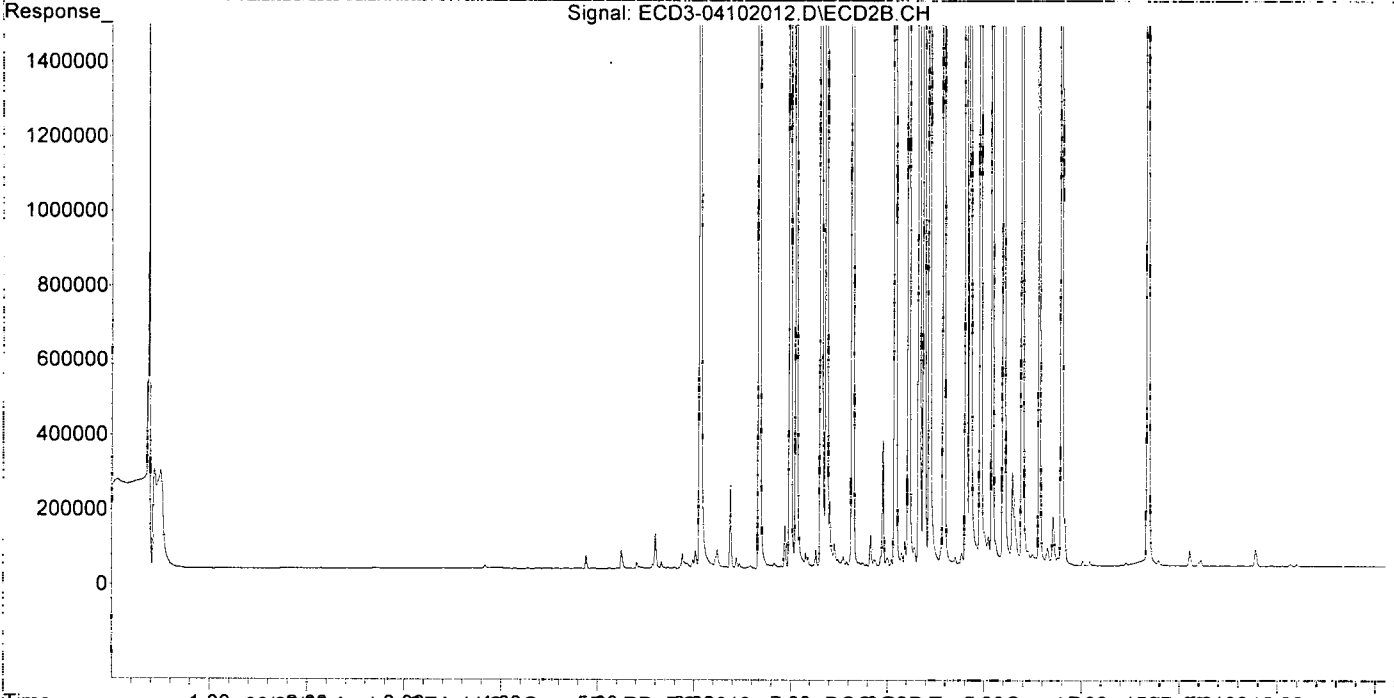
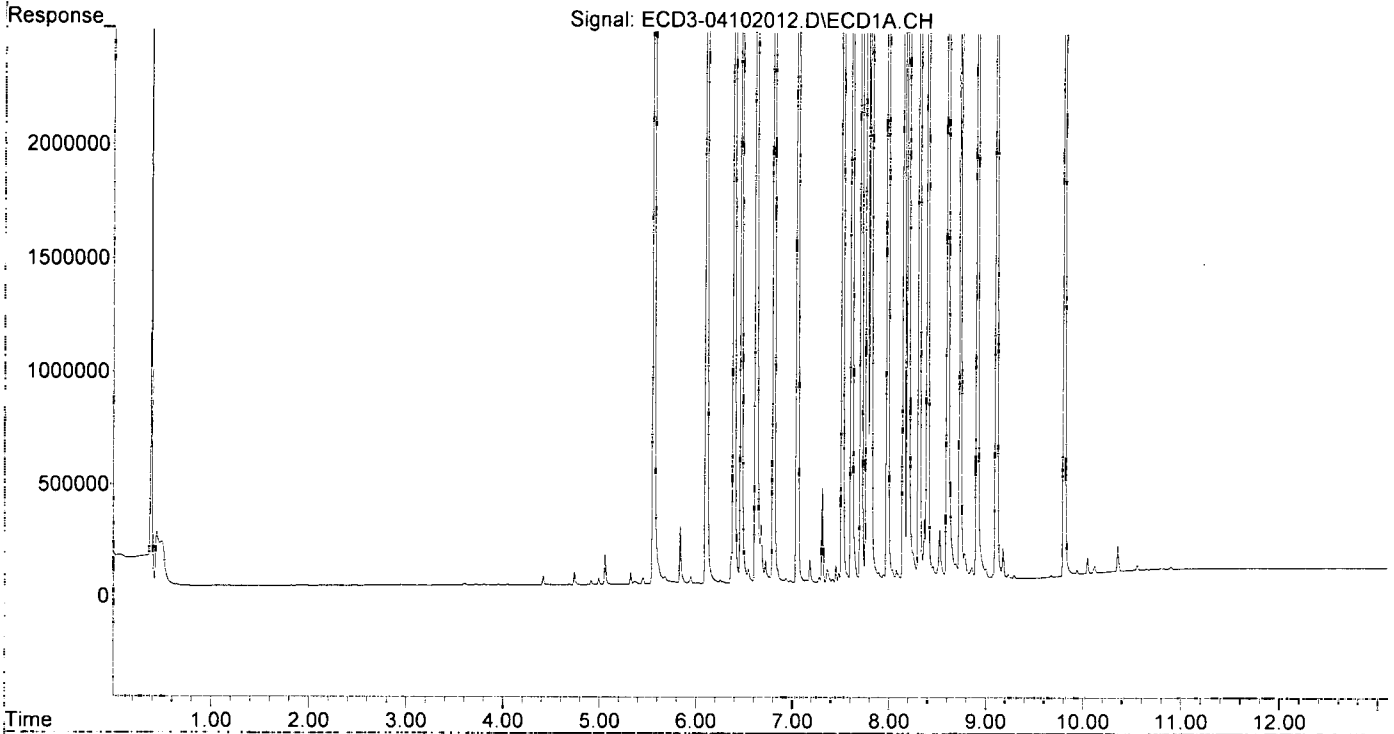
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.562	6.062	14508961	10942666	83.805	101.311
22) S DCBP (S)	9.807	10.679	10967512	6496705	88.980	122.240
Target Compounds						
2) a-BHC	6.108	6.673	20690311	15054052	92.261	135.470 #
3) g-BHC	6.395	6.994	17852129	13117531	89.877	156.083 #
4) b-BHC	6.470	7.058	7197743	5838273	78.541	147.476 #
5) Heptachlor	6.808	7.371	16932118	10998035	95.400	147.404 #
6) d-BHC	6.623	7.315	15654391	12327900	80.314	146.792 #
7) Aldrin	7.052	7.640	16874638	12626262	89.368	115.400
8) Heptachlo...	7.518	8.081	15381959	11258743	88.132	122.943
9) trans-Chl...	7.614	8.222	15938657	11619020	88.604	125.506 #
10) cis-Chlor...	7.712	8.330	15103841	10960125	86.609	113.577
11) Endosulfa...	7.813	8.382	14072419	10161726	87.590	113.360
12) 4,4'-DDE	7.772	8.437	15292864	11367630	85.771	121.079 #
13) Dieldrin	7.986	8.584	16300118	11853447	91.008	118.440
14) Endrin	8.154	8.814	12878104	8690942	96.314	122.053
15) 4,4'-DDD	8.198	8.856	12428792	9158353	83.242	150.088 #
16) Endosulfa...	8.312	8.962	12147287	8759068	85.202	112.197
17) 4,4'-DDT	8.398	9.085	11118672	7015904	92.872	137.012 #
18) Endrin Al...	8.606	9.201	10213956	7859690	83.099	117.588 #
19) Endosulfa...	8.911	9.393	11882557	8368447	82.740	114.332
20) Methoxychlor	8.736	9.568	5195602	3310270	84.561	124.622 #
21) Endrin Ke...	9.109	9.797	13903939	9234850	84.841	126.344 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:22
Operator : MJB
Sample : 0D10031-CAL8
Misc : A20C184, AB 100 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: Apr 13 11:40:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 14:40
 Operator : MJB
 Sample : 0D10031-CAL9
 Misc : A20C177, AB 200 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: Apr 13 11:41:17 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

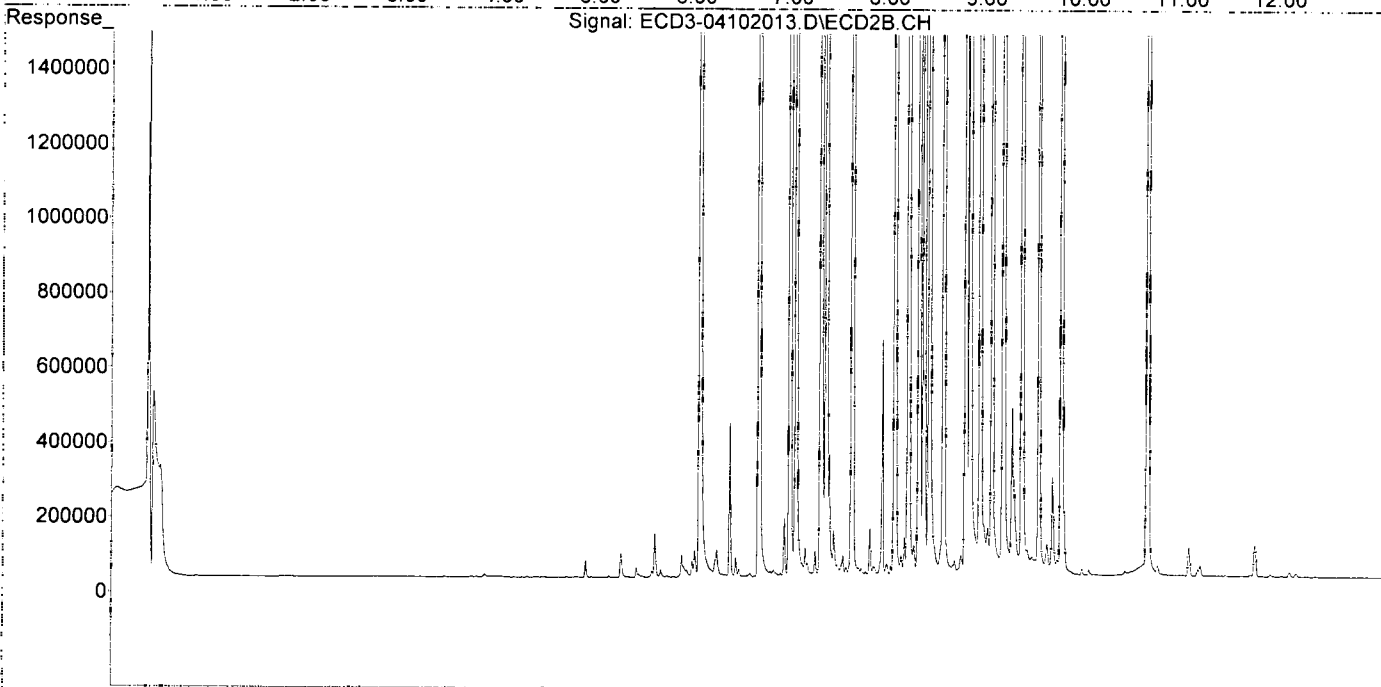
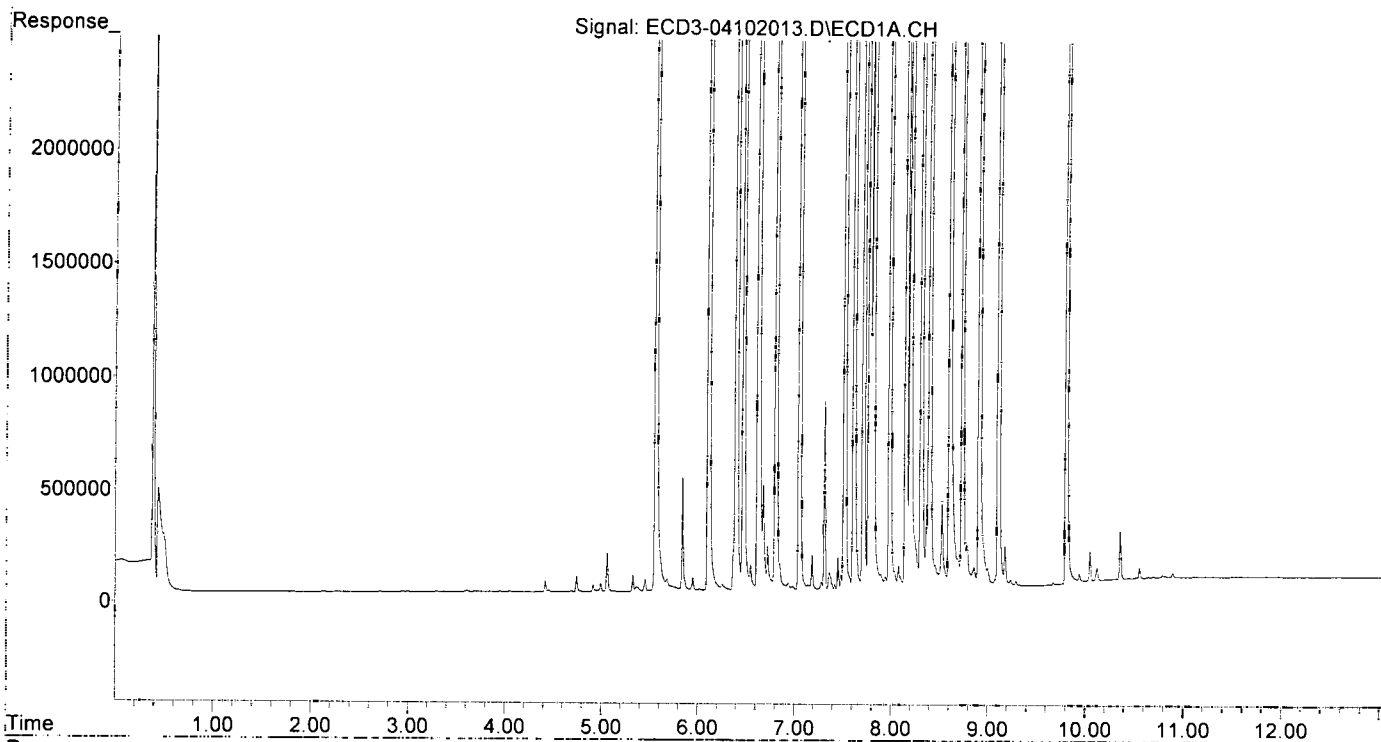
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.564	6.062	28992333	20414502	167.462	198.706
22) S DCBP (S)	9.807	10.679	22430618	12440663	186.828	239.601
Target Compounds						
2) a-BHC	6.110	6.674	42454244	28719329	189.309	258.442
3) g-BHC	6.395	6.995	36042538	24936908	181.457	327.639 #
4) b-BHC	6.470	7.057	14896865	11368661	162.553	324.645 #
5) Heptachlor	6.809	7.372	34291575	22169726	193.208	331.977 #
6) d-BHC	6.623	7.316	33683152	23989125	172.810	322.140 #
7) Aldrin	7.053	7.640	33769142	23855766	178.842	218.035
8) Heptachlo...	7.519	8.081	29992904	21270880	171.846	232.274
9) trans-Chl...	7.615	8.223	31666318	21709173	176.034	245.748
10) cis-Chlor...	7.713	8.331	30069367	20913495	172.426	216.722
11) Endosulfa...	7.813	8.382	28839578	19228923	179.505	214.510
12) 4,4'-DDE	7.772	8.437	31314990	21652854	175.632	230.630
13) Dieldrin	7.987	8.584	32386470	22315768	180.823	222.981
14) Endrin	8.154	8.814	27093743	17588255	202.630	247.004
15) 4,4'-DDD	8.198	8.856	26222383	17432728	175.624	308.730 #
16) Endosulfa...	8.312	8.961	25140767	17688125	176.339	226.571
17) 4,4'-DDT	8.398	9.084	24723061	15058756	206.506	294.078 #
18) Endrin Al...	8.606	9.201	21324700	15325432	176.437	234.234
19) Endosulfa...	8.912	9.392	23987343	16356168	167.026	223.725
20) Methoxychlor	8.736	9.567	11463022	7310519	186.567	275.221 #
21) Endrin Ke...	9.109	9.797	28865829	18211713	176.138	249.159 #
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) Oxychlorane	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
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\2020-04\0D10031\
Data File : ECD3-04102013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 14:40
Operator : MJB
Sample : 0D10031-CAL9
Misc : A20C177, AB 200 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: Apr 13 11:41:17 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 15:31
 Operator : MJB
 Sample : 0D10031-CALA
 Misc : A20D135, 9-42 0.5 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: Apr 13 11:44:03 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

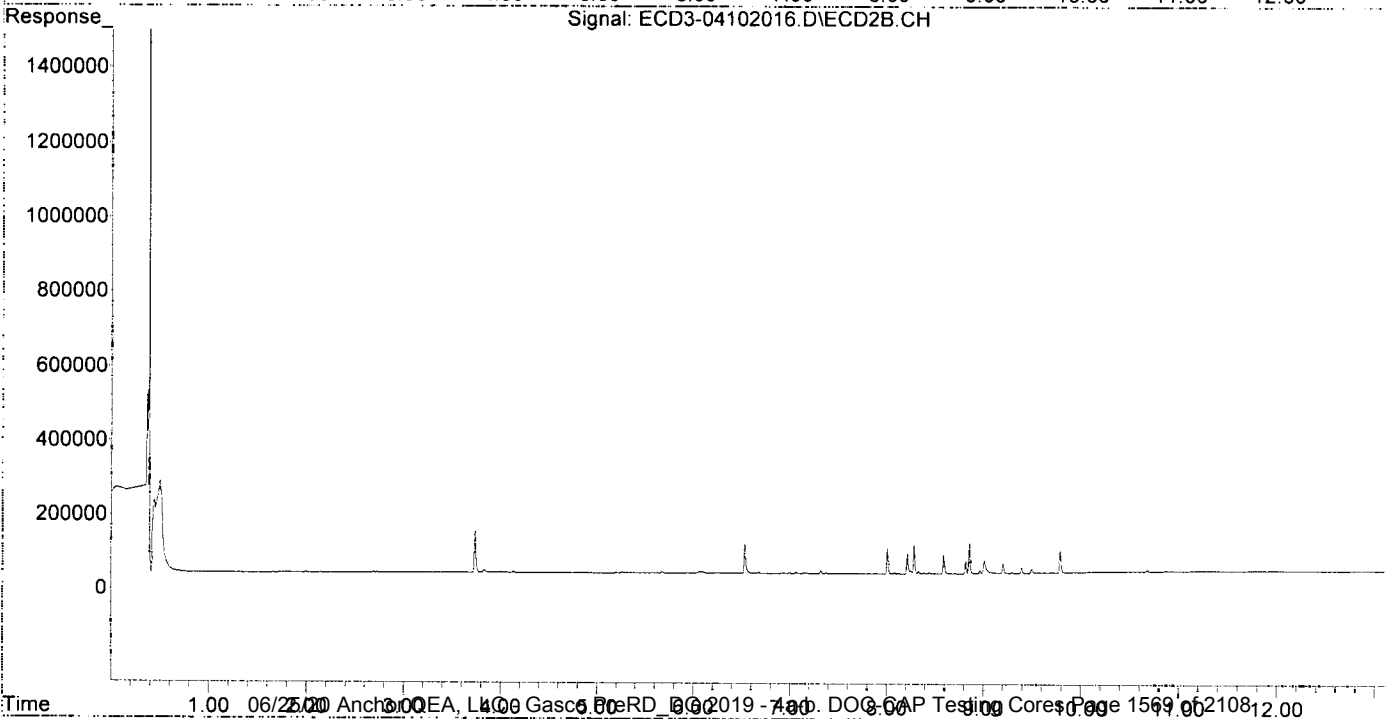
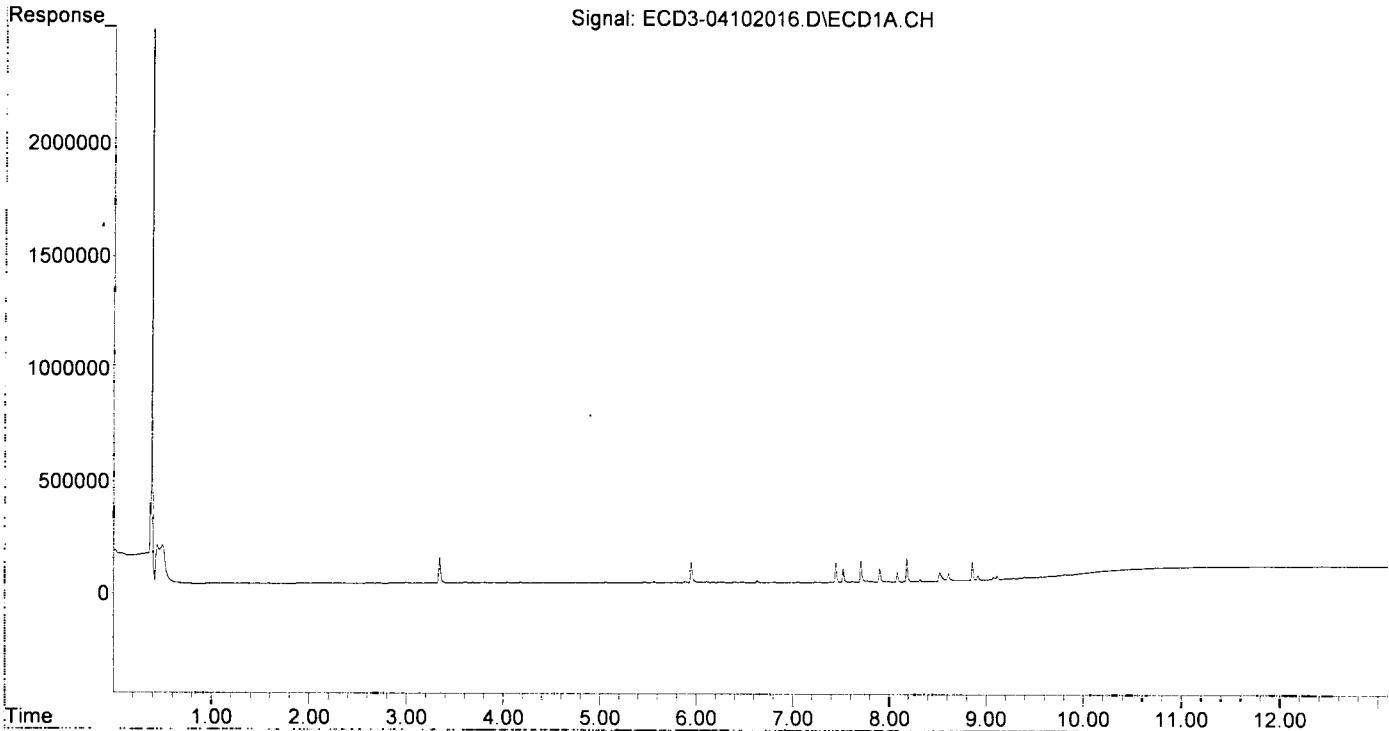
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.341	3.736	112302	112755	0.606	0.886
24) Hexachlor...	5.948	6.532	90891	78616	0.504	0.496
25) Oxychlordane	7.448	8.010	87083	67961	0.556	0.737
26) 2,4'-DDE	7.523	8.216	59883	54754	0.491	0.698 #
27) trans-Non...	7.705	8.287	97265	76561	0.549	0.675
28) 2,4'-DDD	7.900	8.592	56544	50583	0.521	0.754 #
29) 2,4'-DDT	8.083	8.817	41657	32434	0.390	0.519
30) cis-Nonac...	8.181	8.857	105931	83146	0.545	0.775 #
31) Mirex	8.858	9.790	82399	60436	0.564	0.787
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\2020-04\0D10031\
Data File : ECD3-04102016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:31
Operator : MJB
Sample : 0D10031-CALA
Misc : A20D135, 9-42 0.5 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: Apr 13 11:44:03 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 15:48
 Operator : MJB
 Sample : 0D10031-CALB
 Misc : A20C353, 9-42 1 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: Apr 13 11:44:44 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

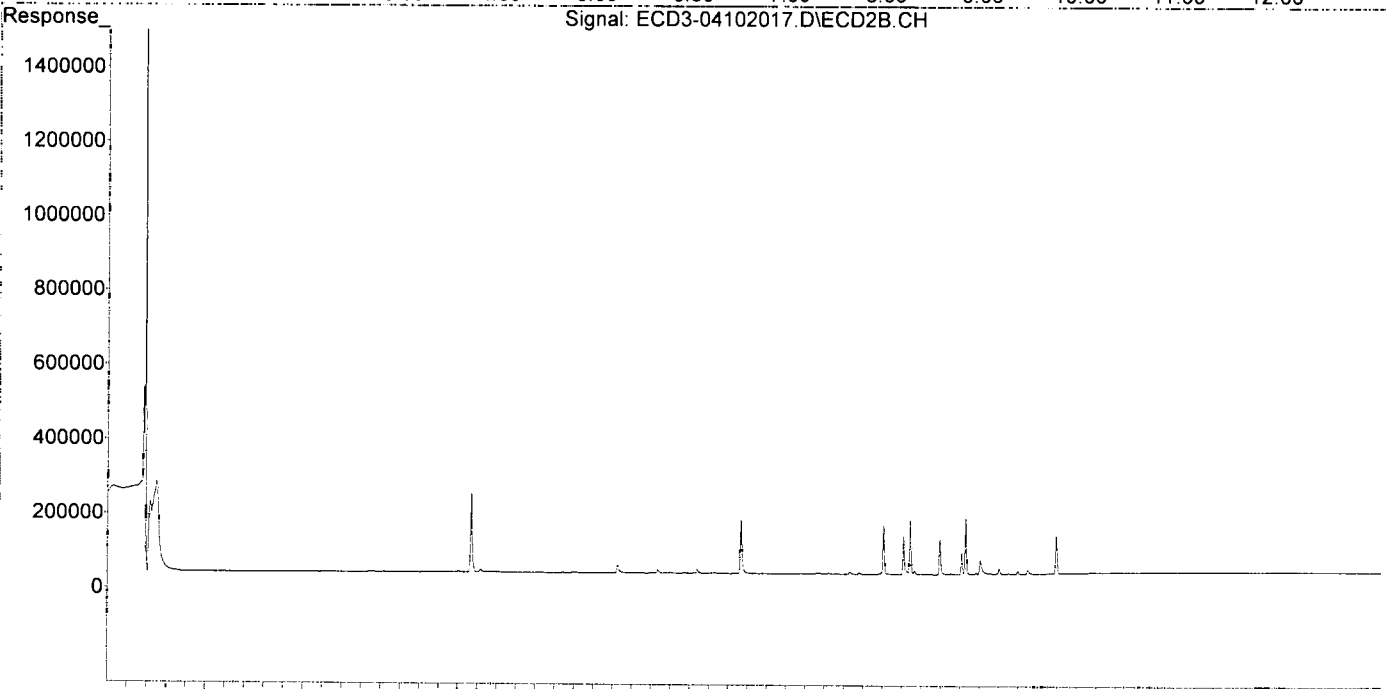
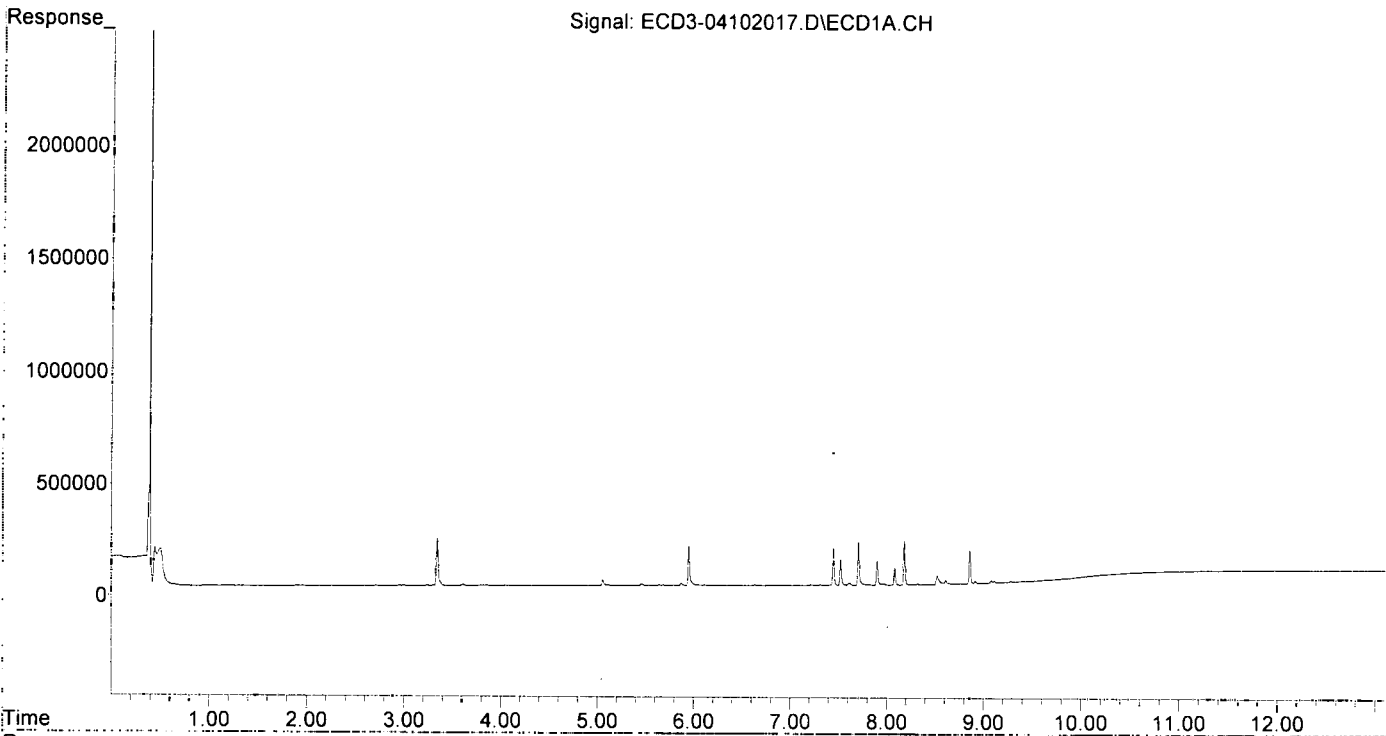
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.342	3.736	210953	210162	1.138	1.352
24) Hexachlor...	5.948	6.532	171487	145117	0.950	1.074
25) Oxychlordane	7.447	8.010	167657	131841	1.071	1.431
26) 2,4'-DDE	7.522	8.216	114378	102014	0.937	1.300
27) trans-Non...	7.706	8.287	189735	145443	1.070	1.431
28) 2,4'-DDD	7.899	8.593	106028	93331	0.977	1.580 #
29) 2,4'-DDT	8.083	8.817	77977	56936	0.731	1.040 #
30) cis-Nonac...	8.181	8.858	197292	153334	1.015	1.429 #
31) Mirex	8.858	9.790	147950	100894	1.160	1.502
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\2020-04\0D10031\
Data File : ECD3-04102017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 15:48
Operator : MJB
Sample : 0D10031-CALB
Misc : A20C353, 9-42 1 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: Apr 13 11:44:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:06
 Operator : MJB
 Sample : 0D10031-CALC
 Misc : A20C354, 9-42 2 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: Apr 13 11:45:17 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

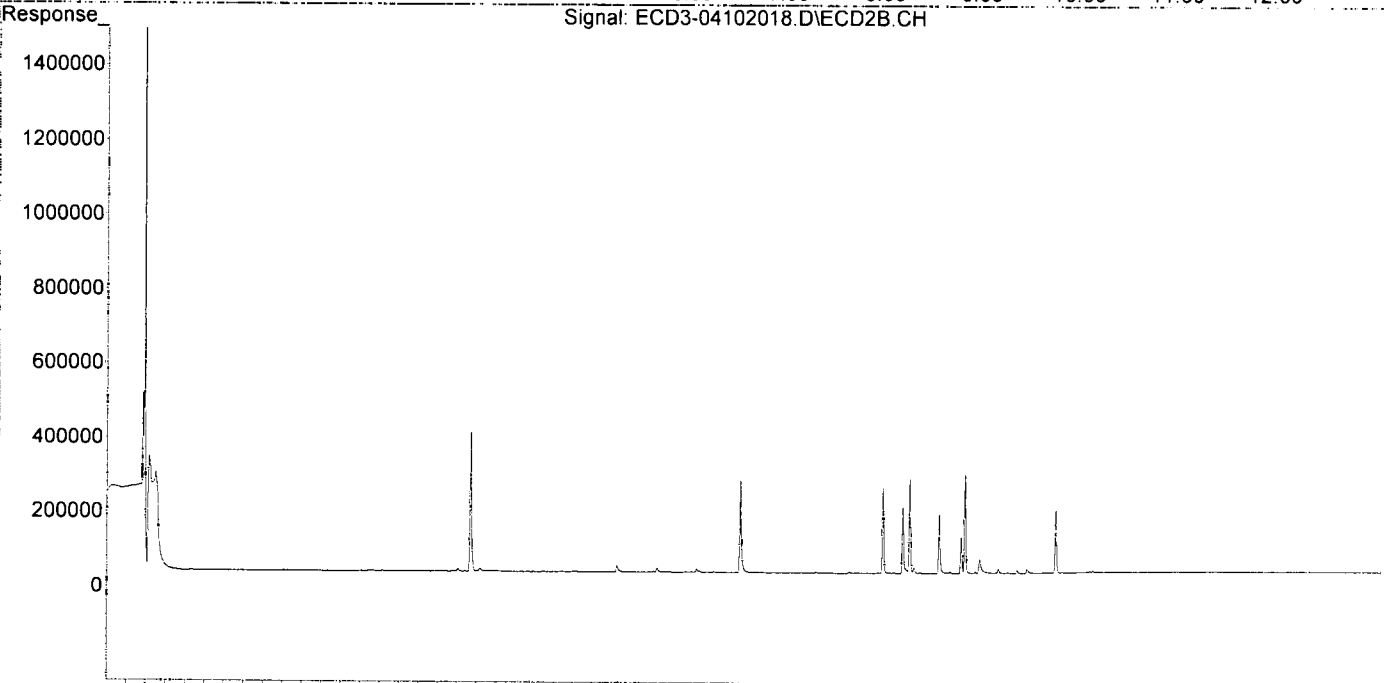
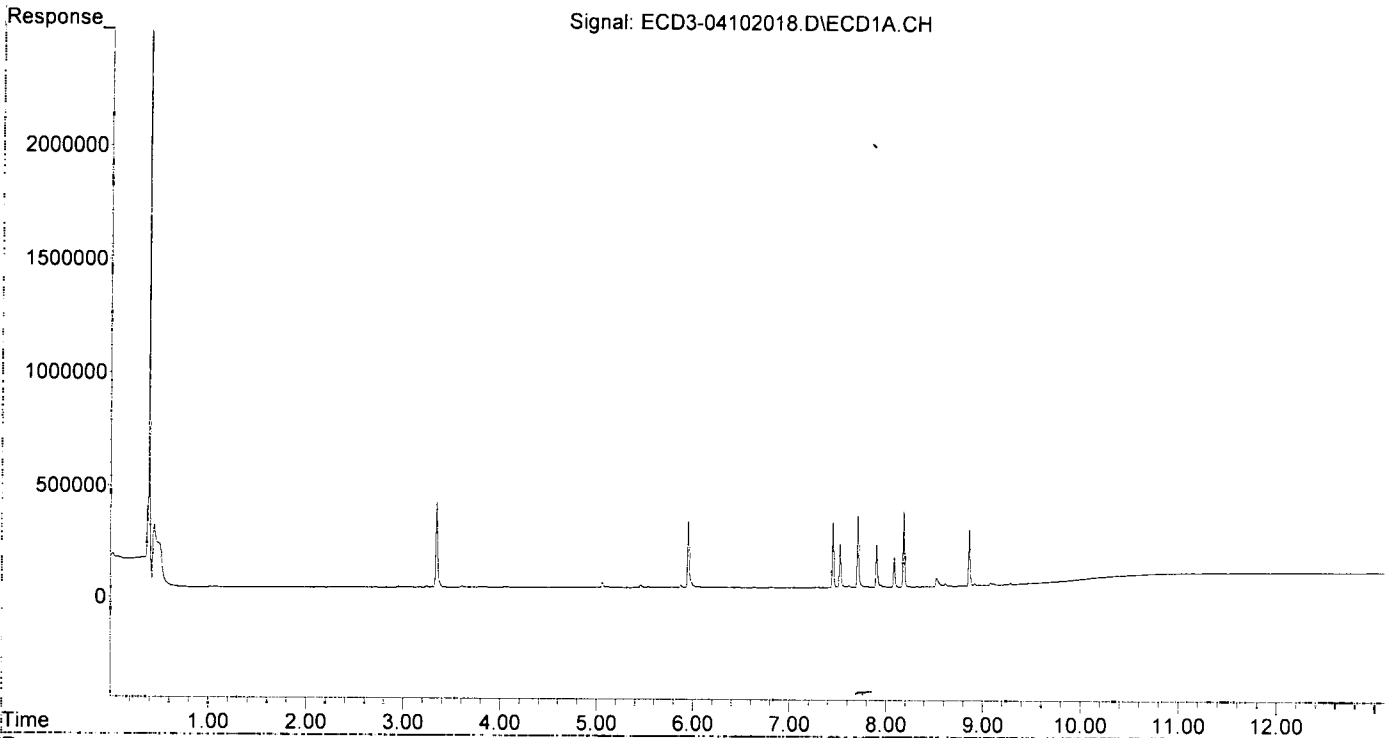
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
2) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. 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...	3.342	3.736	381441	372830	2.058	2.466
24) Hexachlor...	5.948	6.533	294999	248384	1.635	1.972
25) Oxychlorane	7.448	8.011	296003	226120	1.892	2.454
26) 2,4'-DDE	7.523	8.216	197703	175821	1.620	2.241
27) trans-Non...	7.706	8.287	319860	251420	1.804	2.594 #
28) 2,4'-DDD	7.900	8.592	187358	158108	1.726	2.832 #
29) 2,4'-DDT	8.083	8.818	133977	96604	1.256	1.884 #
30) cis-Nonac...	8.181	8.858	342161	262929	1.760	2.450
31) Mirex	8.858	9.790	248901	167144	2.077	2.673
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\2020-04\0D10031\
Data File : ECD3-04102018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:06
Operator : MJB
Sample : 0D10031-CALC
Misc : A20C354, 9-42 2 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: Apr 13 11:45:17 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:23
 Operator : MJB
 Sample : 0D10031-CALD
 Misc : A20C355, 9-42 5 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: Apr 13 11:45:56 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

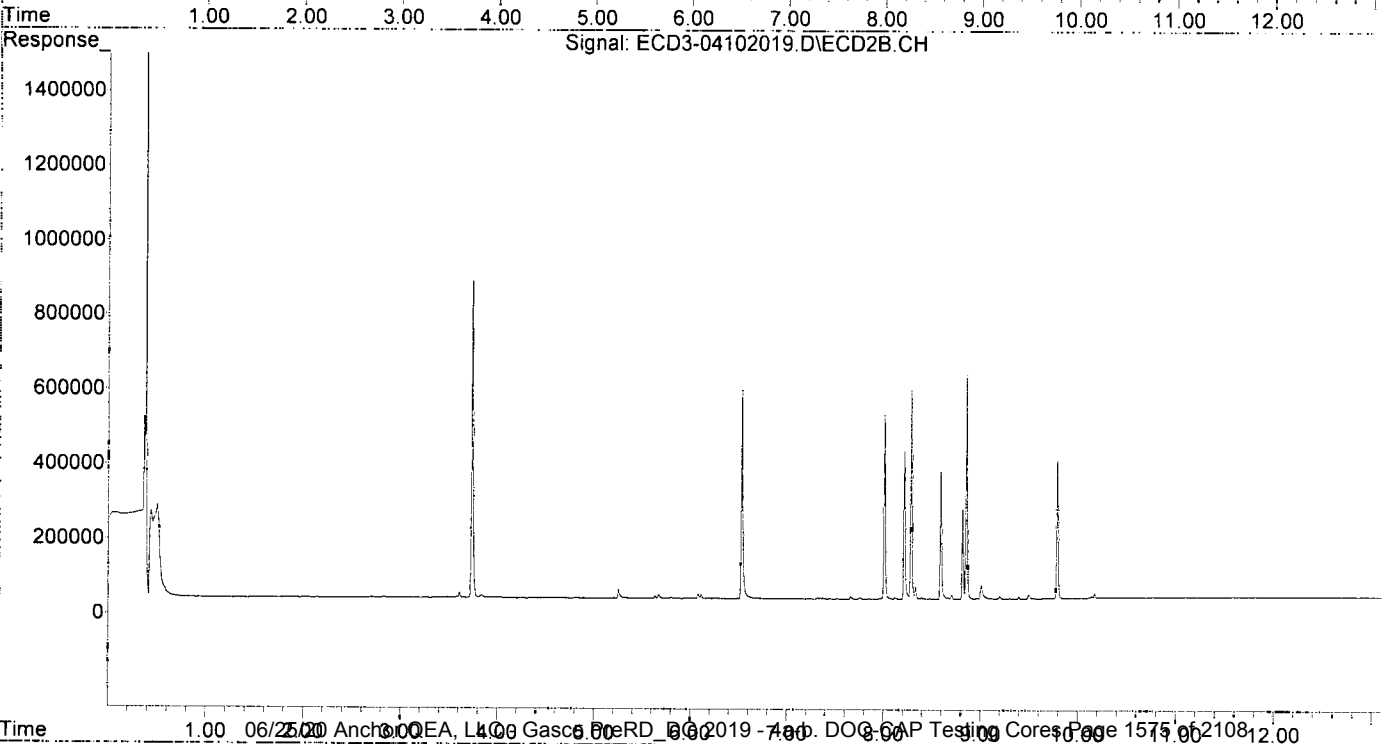
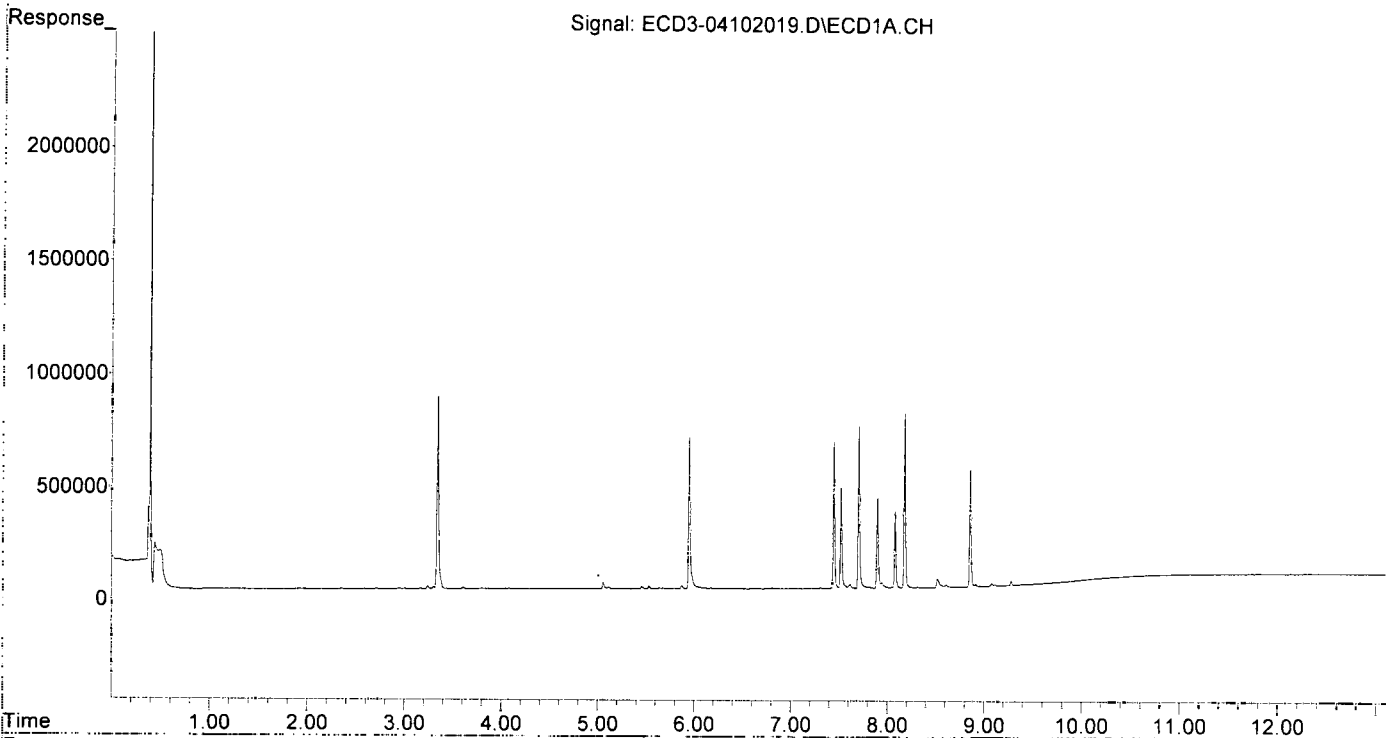
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.342	3.736	857802	848292	4.629	5.732
24) Hexachlor...	5.947	6.532	674330	553413	3.736	4.630
25) Oxychlorane	7.447	8.010	646772	490301	4.133	5.320
26) 2,4'-DDE	7.522	8.216	448996	395444	3.679	5.041
27) trans-Non...	7.705	8.286	722033	557194	4.072	5.951 #
28) 2,4'-DDD	7.899	8.591	402442	342154	3.708	6.395 #
29) 2,4'-DDT	8.082	8.817	343961	240393	3.224	4.941 #
30) cis-Nonac...	8.181	8.857	779953	594209	4.012	5.537
31) Mirex	8.858	9.790	521342	369585	4.553	6.253
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\2020-04\0D10031\
Data File : ECD3-04102019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:23
Operator : MJB
Sample : 0D10031-CALD
Misc : A20C355, 9-42 5 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: Apr 13 11:45:56 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:40
 Operator : MJB
 Sample : 0D10031-CALE
 Misc : A20C356, 9-42 10 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: Apr 13 11:46:28 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

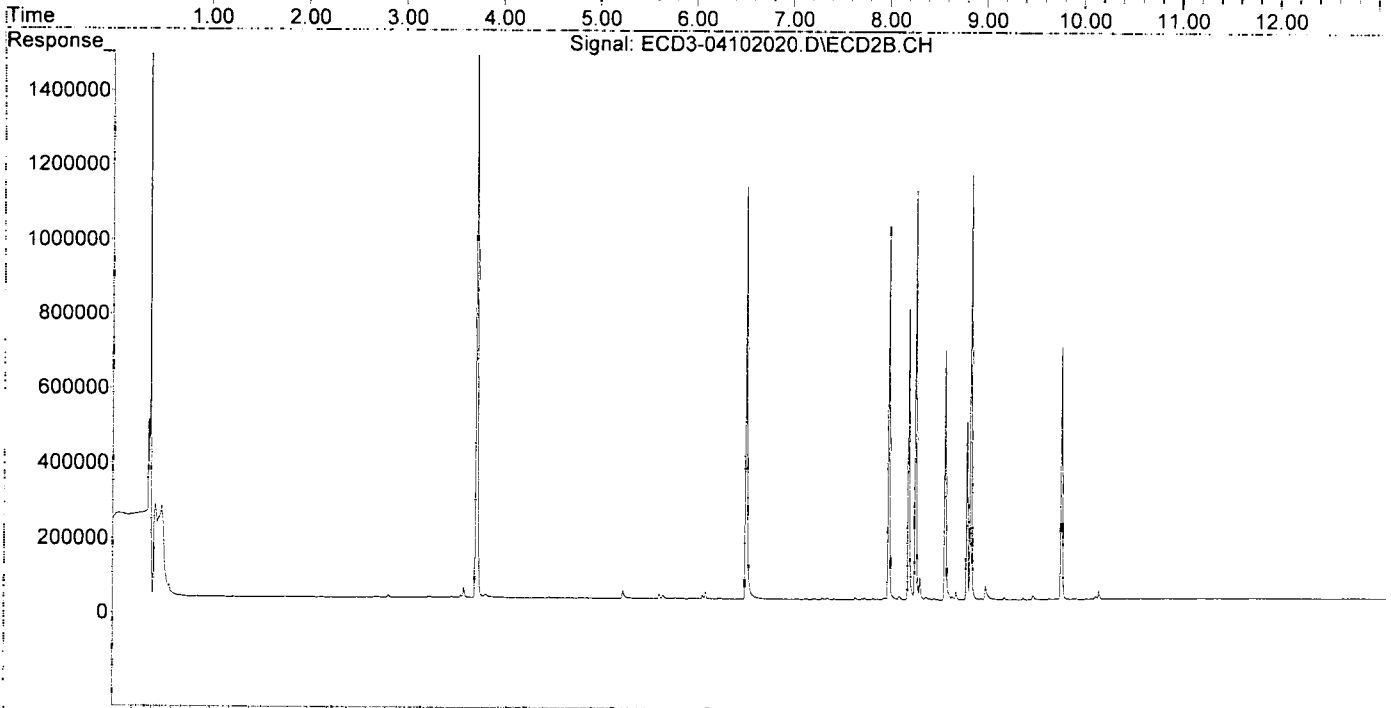
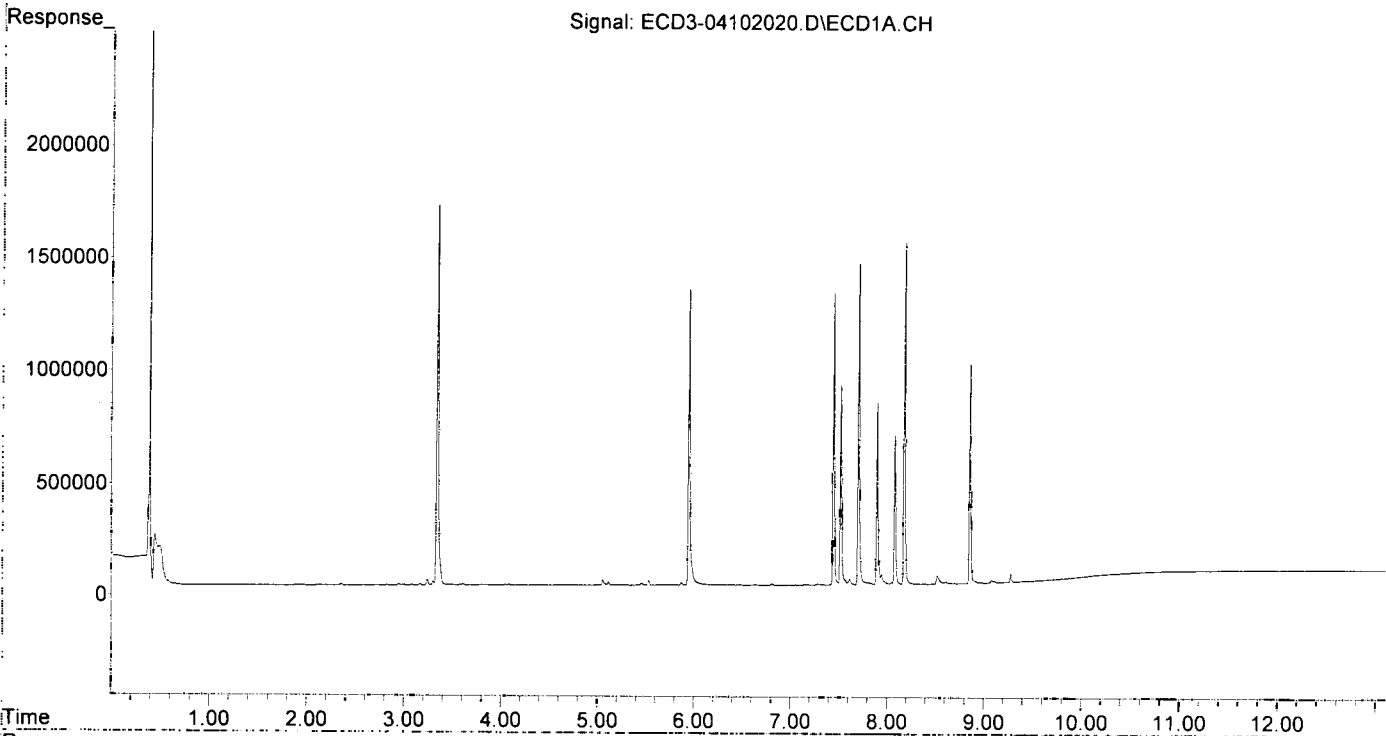
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.342	3.736	1689587	1632647	9.117	11.159
24) Hexachlor...	5.947	6.532	1319038	1101770	7.309	9.424
25) Oxychlorane	7.447	8.011	1300026	992994	8.307	10.775
26) 2,4'-DDE	7.522	8.217	889087	776105	7.285	9.894
27) trans-Non...	7.705	8.287	1431403	1088724	8.072	11.786 #
28) 2,4'-DDD	7.899	8.592	809760	665503	7.462	12.672 #
29) 2,4'-DDT	8.082	8.818	665398	472159	6.237	9.864 #
30) cis-Nonac...	8.181	8.858	1524562	1133487	7.842	10.563
31) Mirex	8.858	9.790	976519	672336	8.691	11.607
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\2020-04\0D10031\
Data File : ECD3-04102020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:40
Operator : MJB
Sample : 0D10031-CALE
Misc : A20C356, 9-42 10 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: Apr 13 11:46:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 16:57
 Operator : MJB
 Sample : 0D10031-CALF
 Misc : A20C357, 9-42 25 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: Apr 13 11:47:02 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

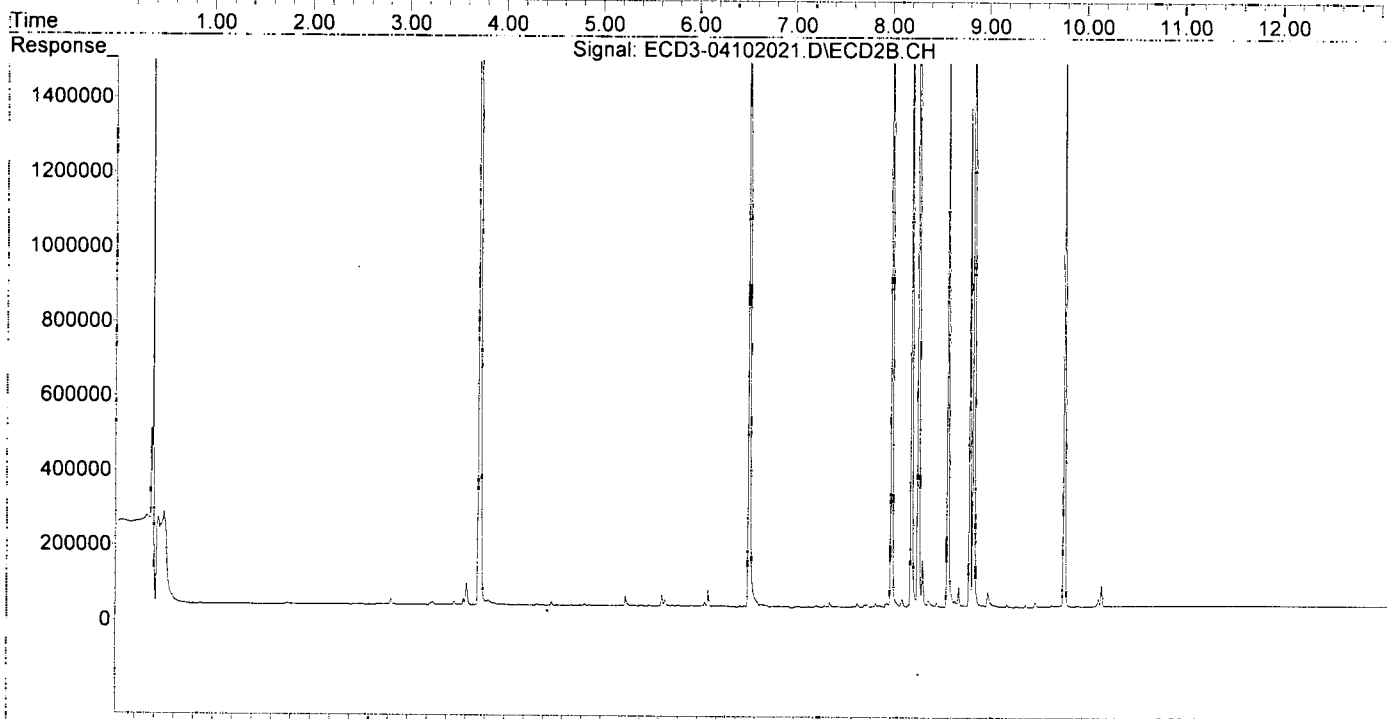
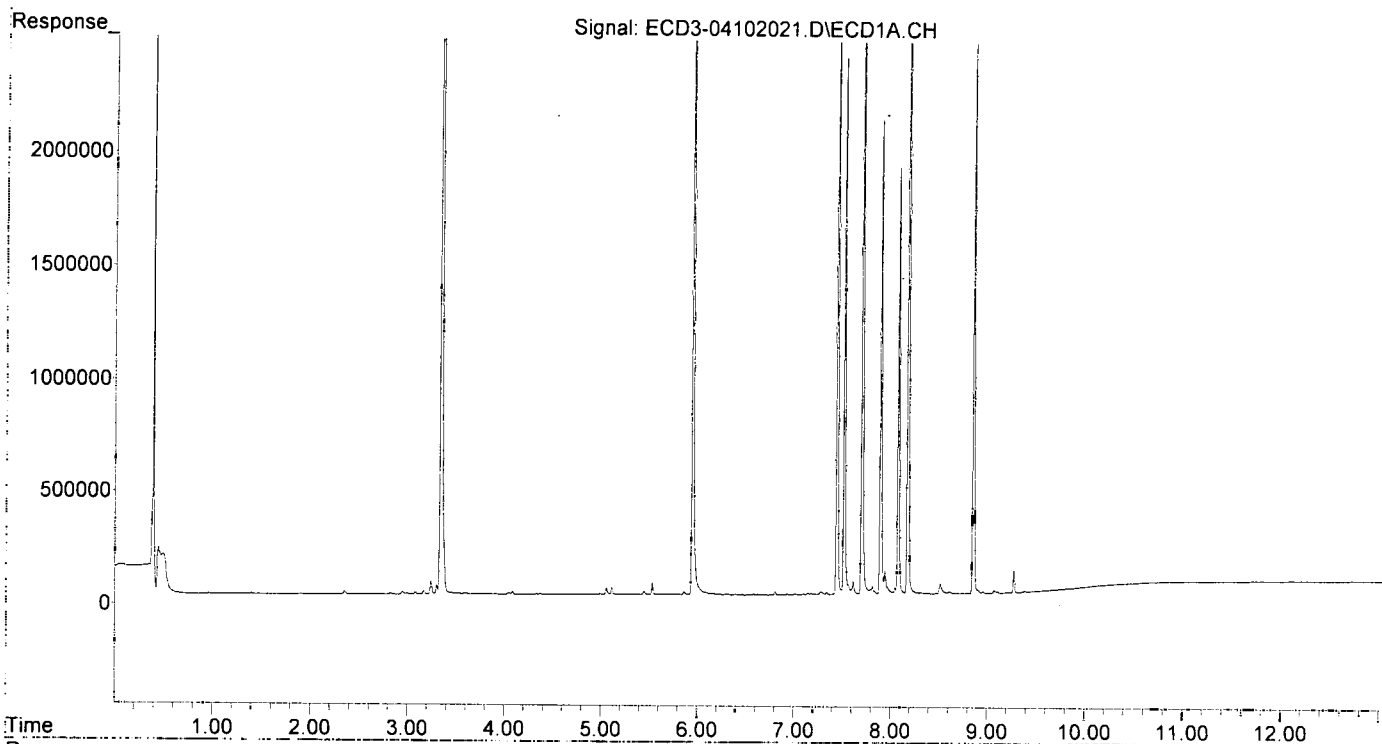
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.342	3.736	4236498	3836415	22.860	26.666
24) Hexachlor...	5.948	6.532	3410831	2741174	18.899	23.878
25) Oxychlorane	7.446	8.009	3280717	2462430	20.964	26.720
26) 2,4'-DDE	7.519	8.215	2370241	1938260	19.420	24.709
27) trans-Non...	7.704	8.286	3612570	2768485	20.373	30.239 #
28) 2,4'-DDD	7.897	8.591	2101228	1648579	19.362	31.886 #
29) 2,4'-DDT	8.081	8.817	1890884	1331674	17.725	28.064 #
30) cis-Nonac...	8.179	8.856	3931964	2939943	20.226	27.396
31) Mirex	8.856	9.789	2445934	1721066	22.065	30.164
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\2020-04\0D10031\
Data File : ECD3-04102021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 16:57
Operator : MJB
Sample : 0D10031-CALF
Misc : A20C357, 9-42 25 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: Apr 13 11:47:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 17:14
 Operator : MJB
 Sample : 0D10031-CALG
 Misc : A20C358, 9-42 50 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: Apr 13 11:43:04 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:35:50 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

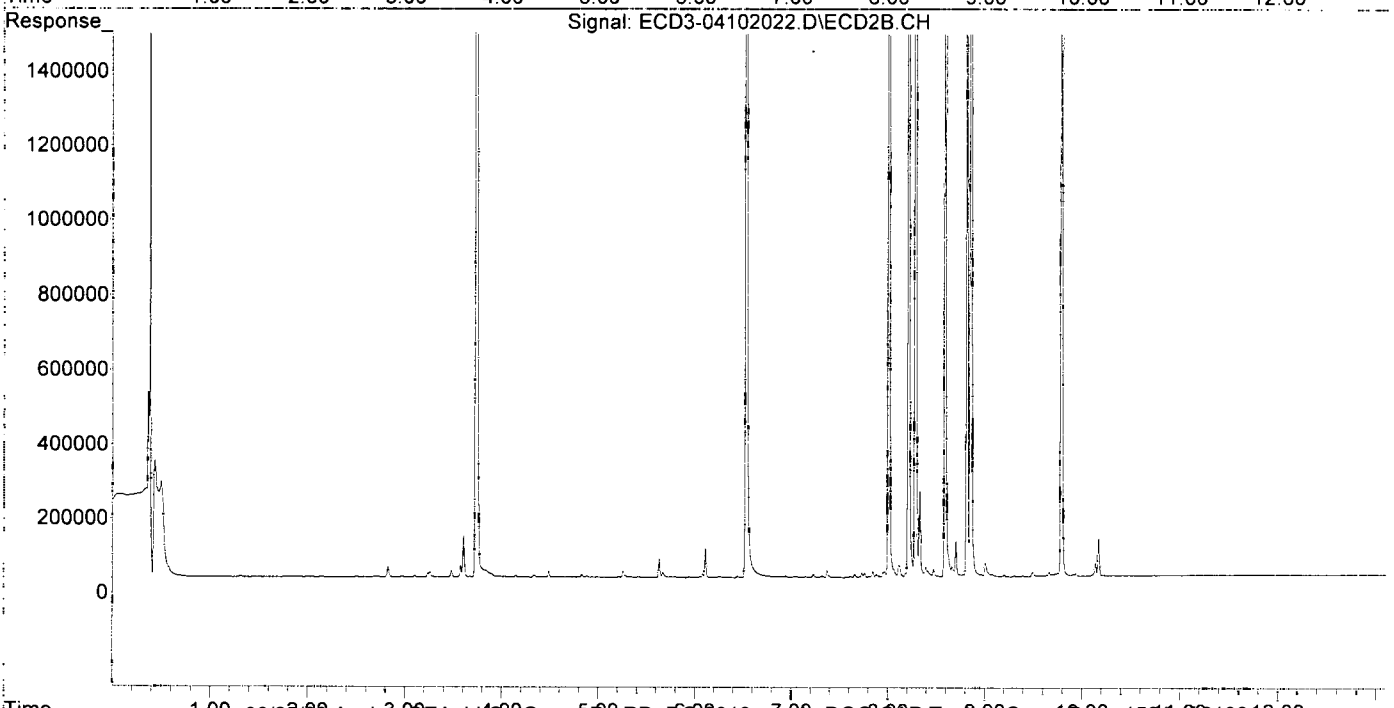
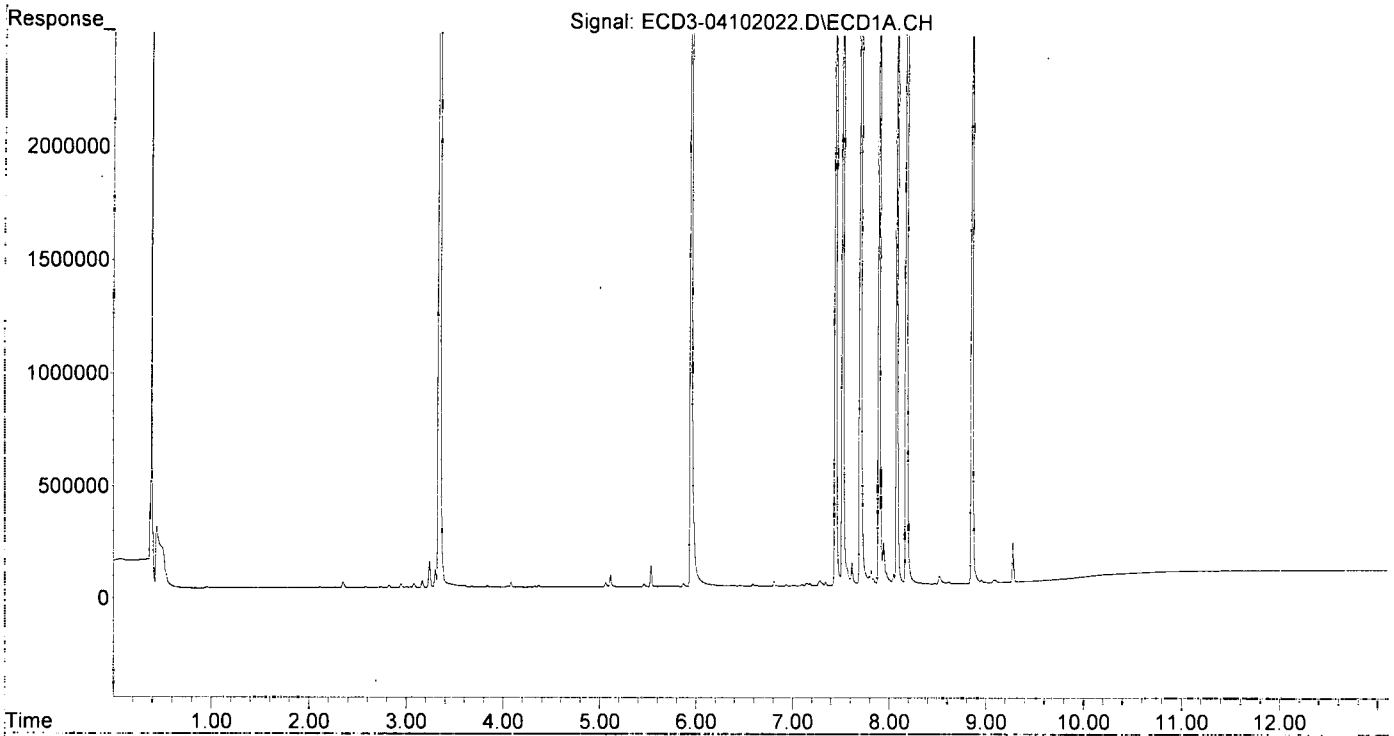
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.342	3.736	8735674	7661028	47.138	54.868
24) Hexachlor...	5.948	6.532	6661991	5176901	36.914	45.707
25) Oxychlorane	7.446	8.010	6240780	4745169	39.880	51.490
26) 2,4'-DDE	7.520	8.215	4518917	3659885	37.025	46.656
27) trans-Non...	7.703	8.286	6909845	5248360	38.968	57.508 #
28) 2,4'-DDD	7.897	8.591	4001953	3205195	36.876	62.731 #
29) 2,4'-DDT	8.081	8.817	3806076	2644918	35.678	55.701 #
30) cis-Nonac...	8.180	8.857	7558026	5676373	38.879	52.896
31) Mirex	8.856	9.789	4722341	3205930	42.830	56.465
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\2020-04\0D10031\
Data File : ECD3-04102022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 17:14
Operator : MJB
Sample : 0D10031-CALG
Misc : A20C358, 9-42 50 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: Apr 13 11:43:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:35:50 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 17:31
 Operator : MJB
 Sample : 0D10031-CALH
 Misc : A20C359, 9-42 100 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: Apr 13 11:47:36 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

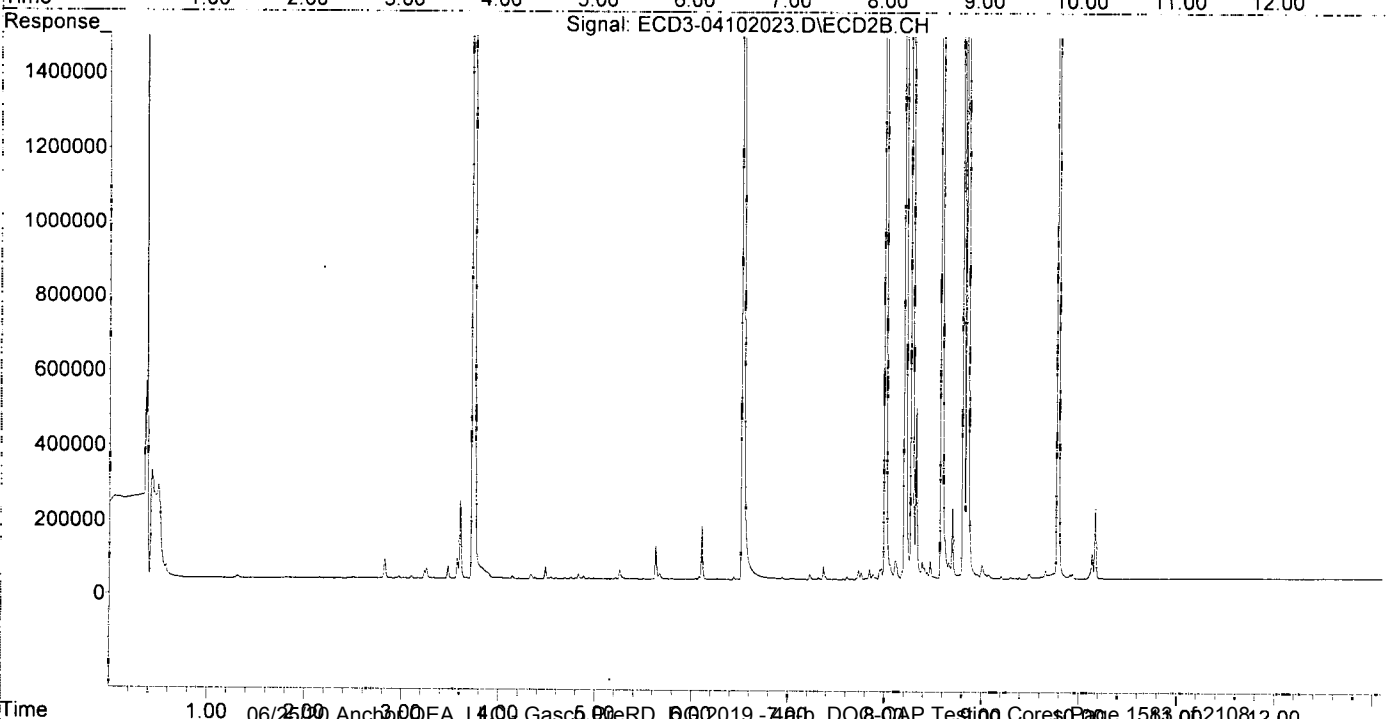
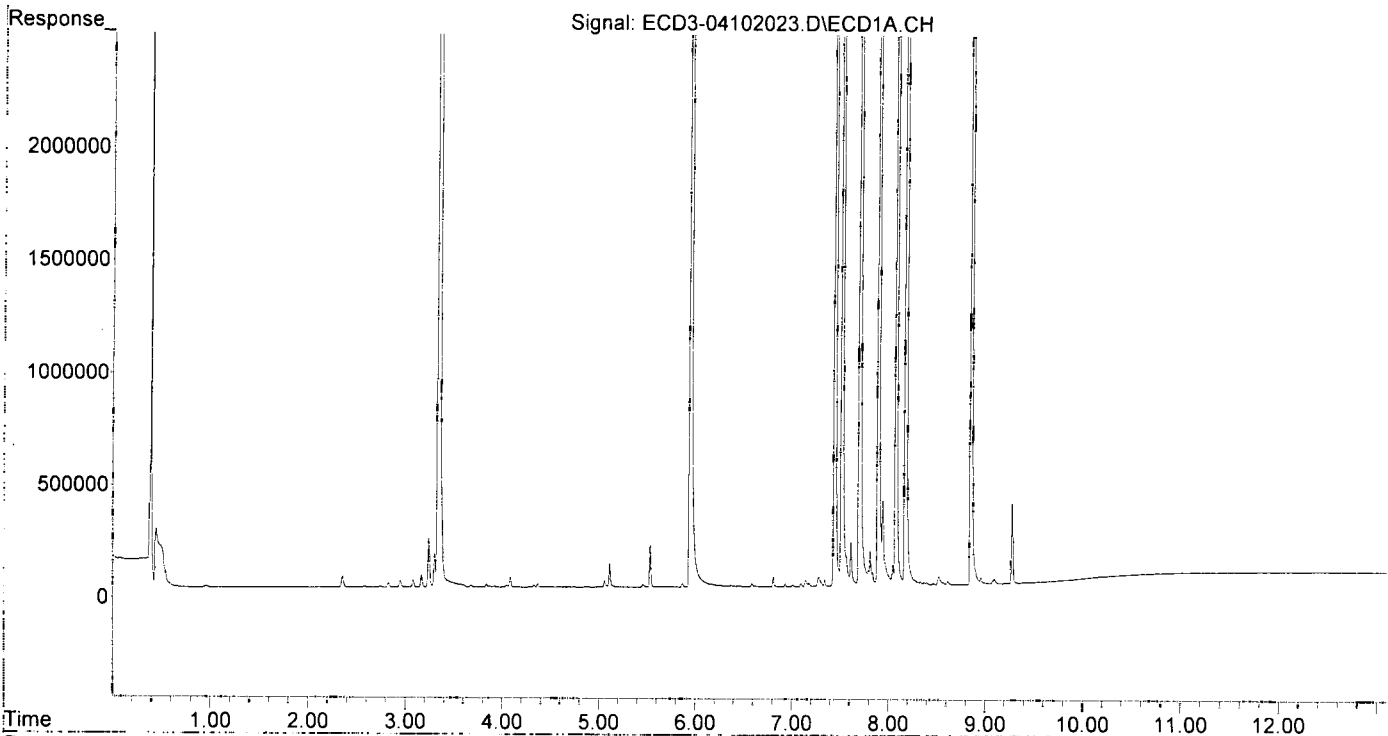
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.342	3.736	17207142	14843032	92.850	110.897
24) Hexachlor...	5.948	6.532	13905902	10342257	77.052	97.507
25) Oxychlorane	7.446	8.009	13063239	9423897	83.477	102.259
26) 2,4'-DDE	7.519	8.214	9420136	7319258	77.183	93.305
27) trans-Non...	7.703	8.285	14841913	10461112	83.701	114.939
28) 2,4'-DDD	7.896	8.591	8200834	6389450	75.567	127.538 #
29) 2,4'-DDT	8.081	8.817	7906836	5426818	74.118	113.580 #
30) cis-Nonac...	8.179	8.857	15616314	11378214	80.332	106.030
31) Mirex	8.856	9.789	9796794	6667267	89.319	117.899
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\2020-04\0D10031\
Data File : ECD3-04102023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 17:31
Operator : MJB
Sample : 0D10031-CALH
Misc : A20C359, 9-42 100 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: Apr 13 11:47:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 17:49
 Operator : MJB
 Sample : 0D10031-CALI
 Misc : A20C352, 9-42 200 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: Apr 13 11:48:11 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

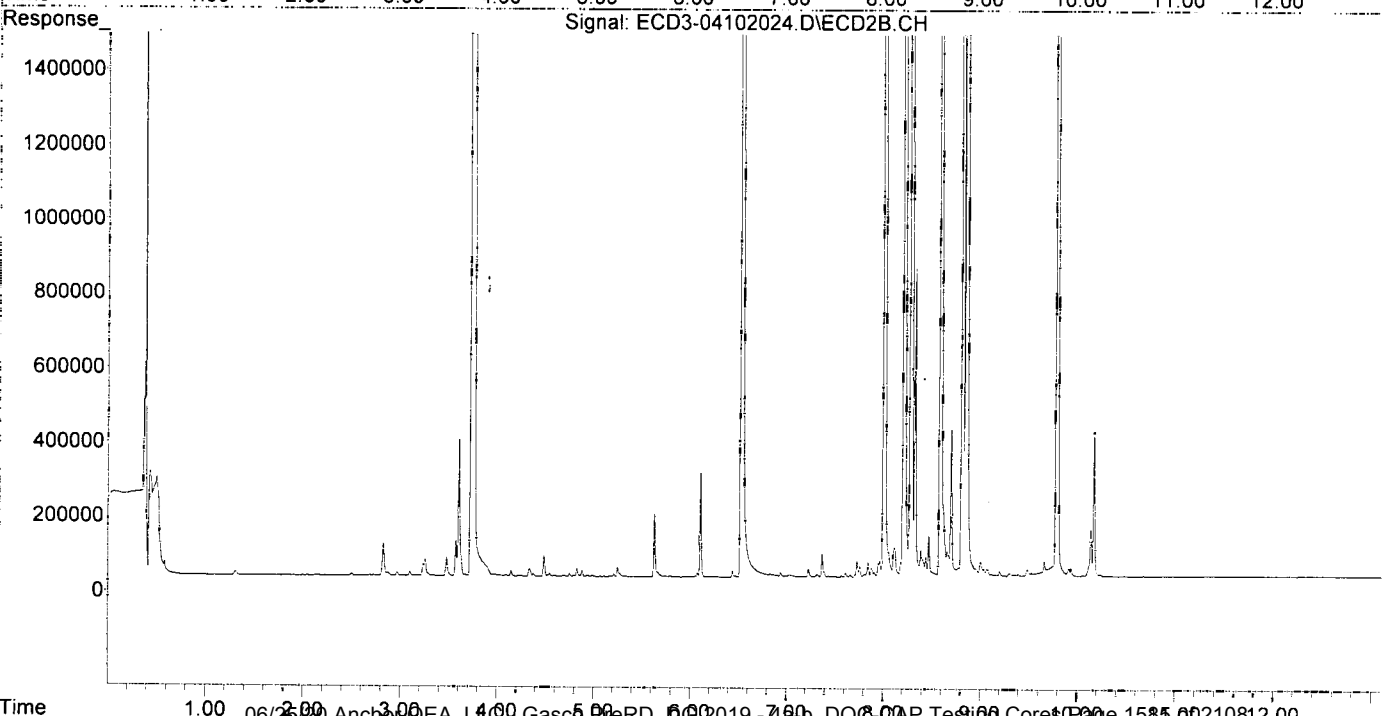
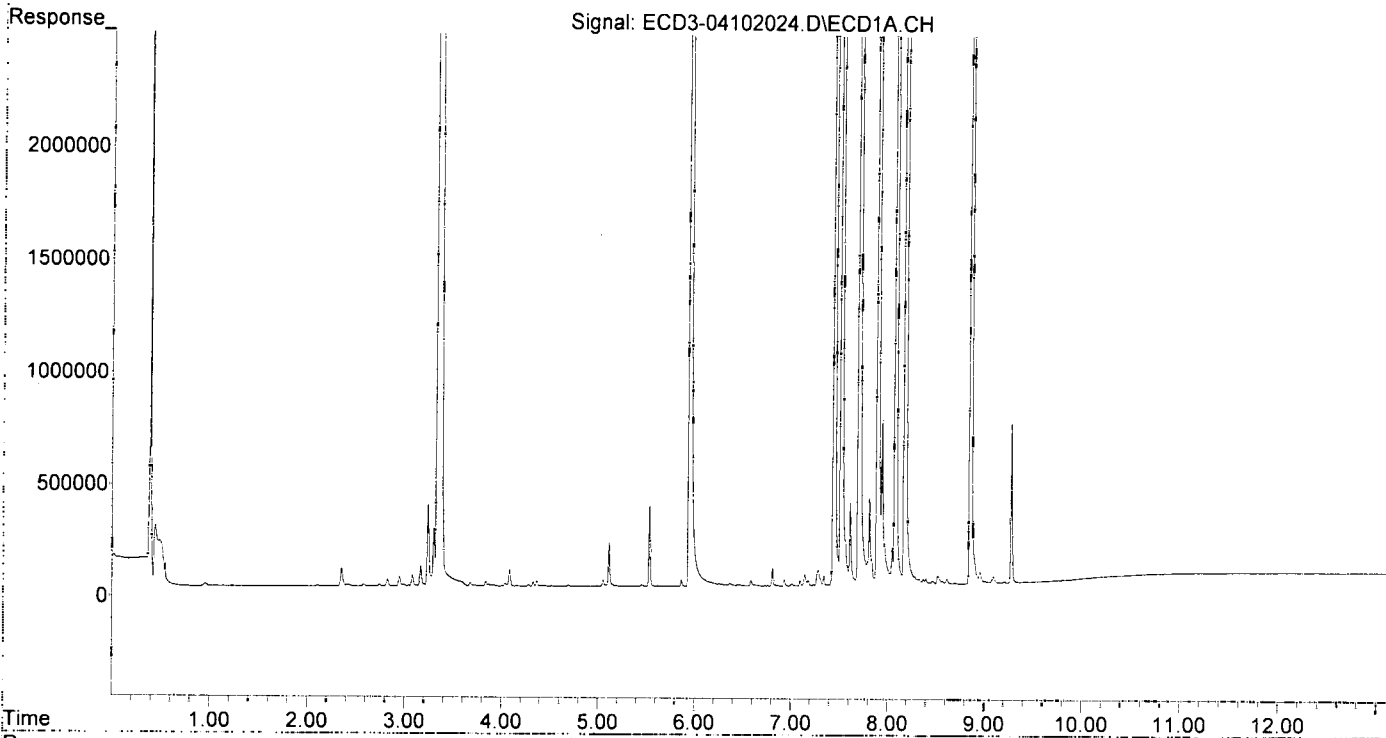
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.343	3.737	30654926	25097902	165.414	204.330
24) Hexachlor...	5.948	6.533	27917200	20106640	154.688	190.431
25) Oxychlorane	7.446	8.010	26694991	18880326	170.586	204.872
26) 2,4'-DDE	7.519	8.215	19110459	14263135	156.580	181.826
27) trans-Non...	7.703	8.286	29240286	20044391	164.900	220.913
28) 2,4'-DDD	7.896	8.591	16682003	12705250	153.717	263.850 #
29) 2,4'-DDT	8.081	8.817	16615671	11384733	155.753	234.665 #
30) cis-Nonac...	8.179	8.856	31802143	21372951	163.593	199.167
31) Mirex	8.856	9.790	19600089	12929032	179.938	229.477
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\2020-04\0D10031\
Data File : ECD3-04102024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 17:49
Operator : MJB
Sample : OD10031-CALI
Misc : A20C352, 9-42 200 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: Apr 13 11:48:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 18:40
 Operator : MJB
 Sample : 0D10031-CALJ
 Misc : A20D136, CHLOR 10 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: Apr 13 11:50:44 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

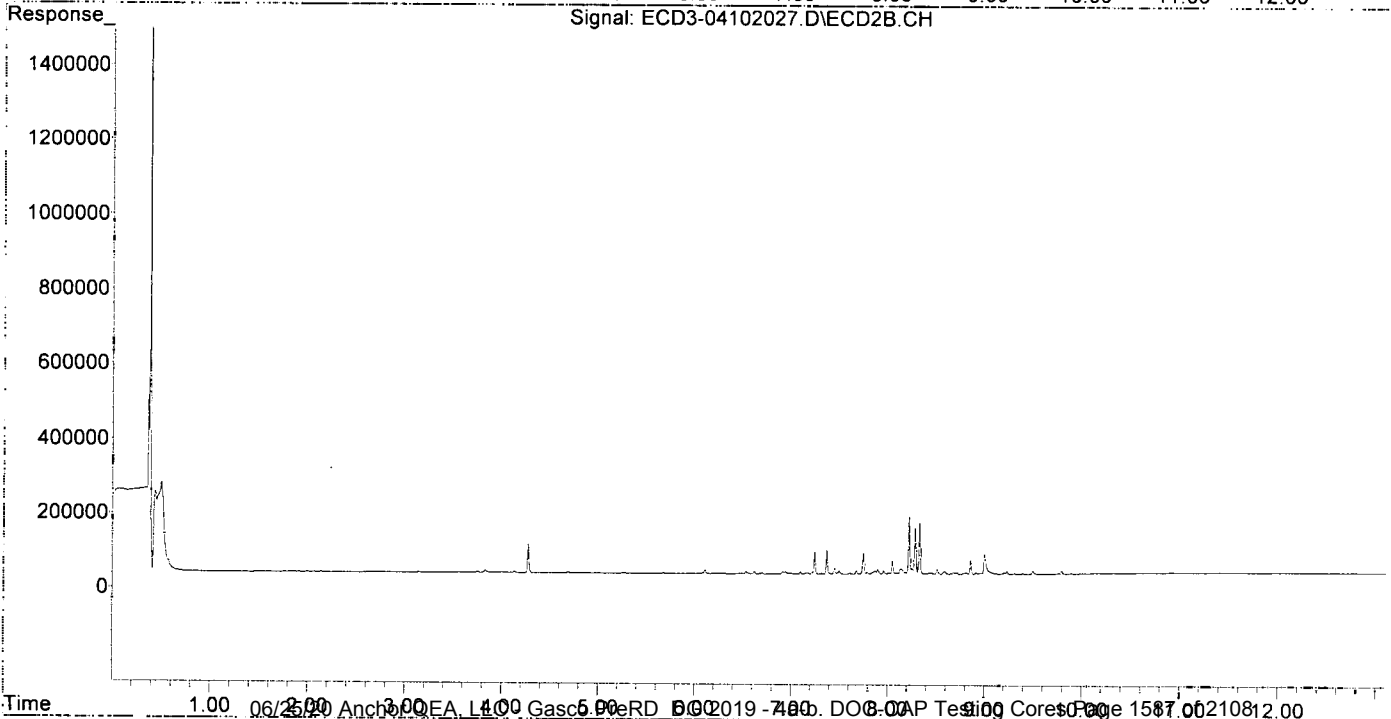
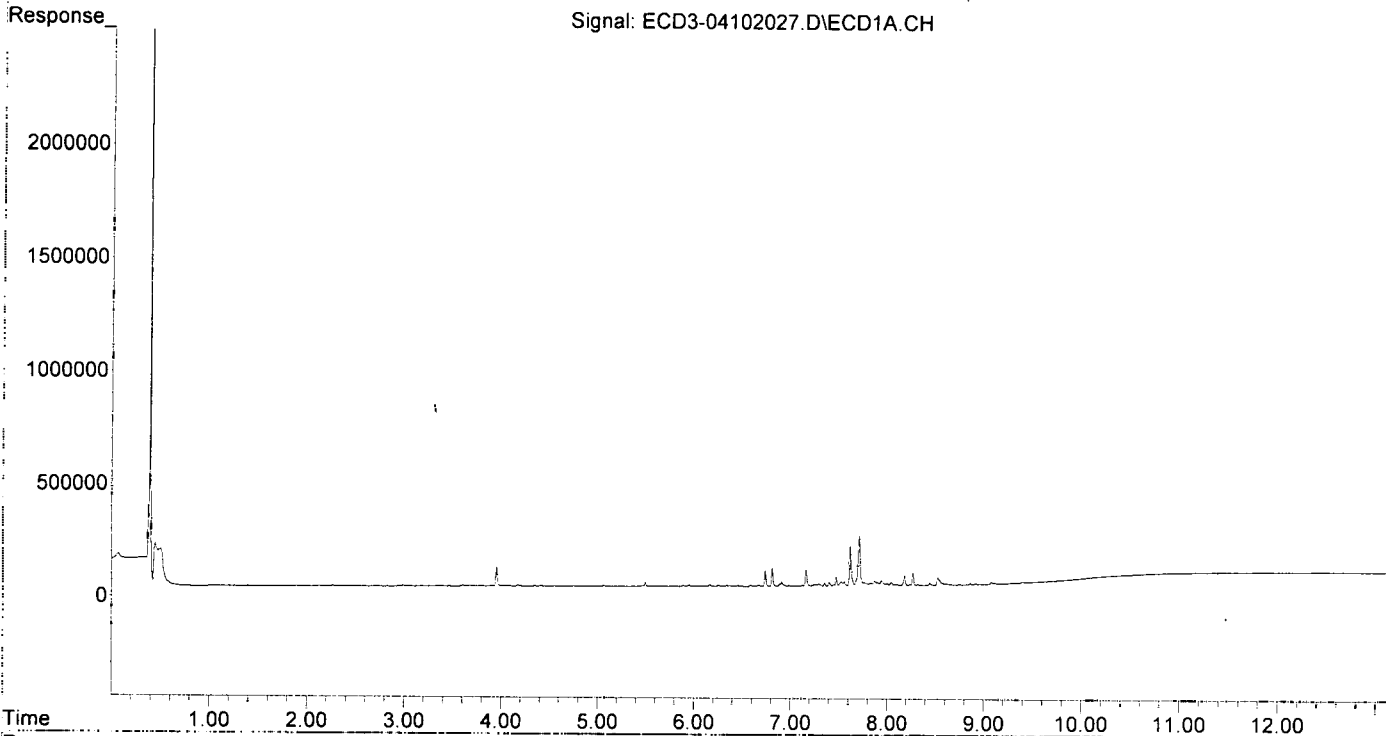
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.617	8.222	181927	156594	9.420	12.297
33) Chlordane...	7.711	8.331	224425	138950	10.196	12.869
34) Chlordane...	8.267	9.001	55530	51394	9.237	6.926
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\2020-04\0D10031\
Data File : ECD3-04102027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 18:40
Operator : MJB
Sample : 0D10031-CALJ
Misc : A20D136, CHLOR 10 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: Apr 13 11:50:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 18:57
 Operator : MJB
 Sample : 0D10031-CALK
 Misc : A19K307, CHLOR 50 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: Apr 13 11:51:15 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

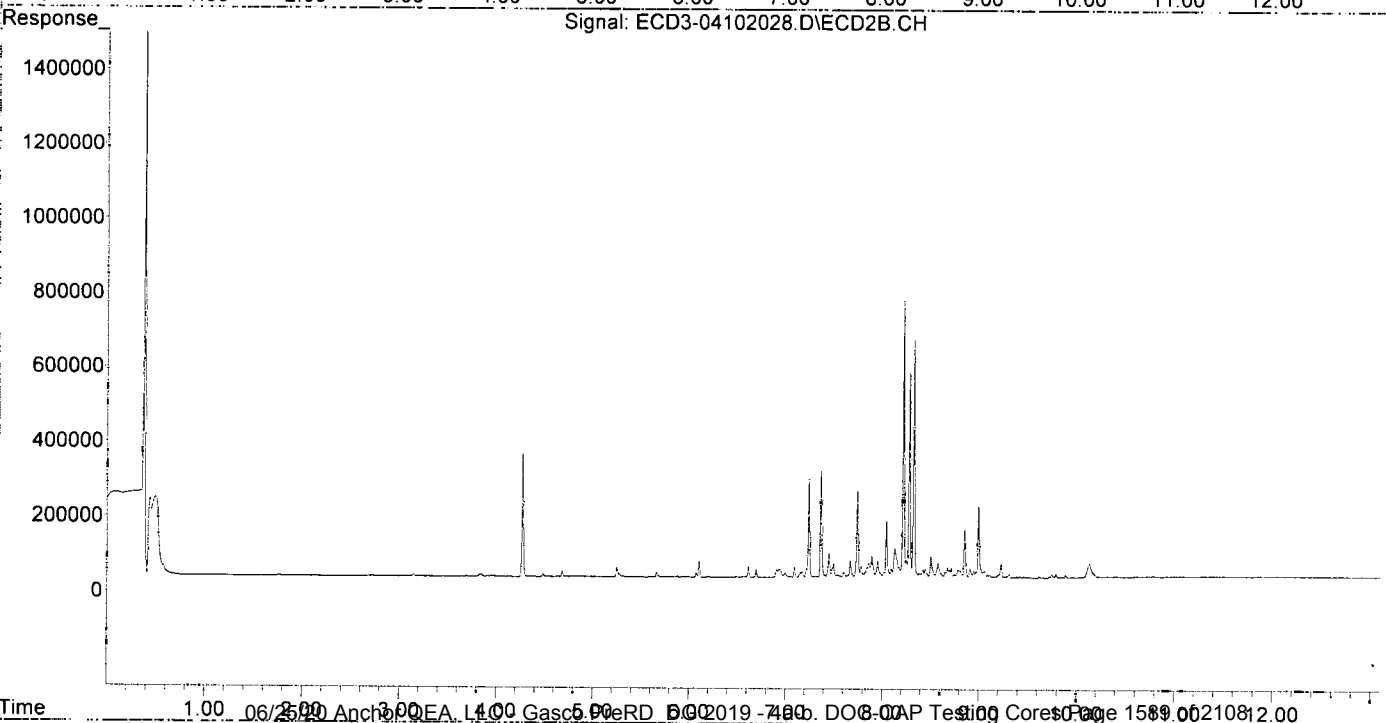
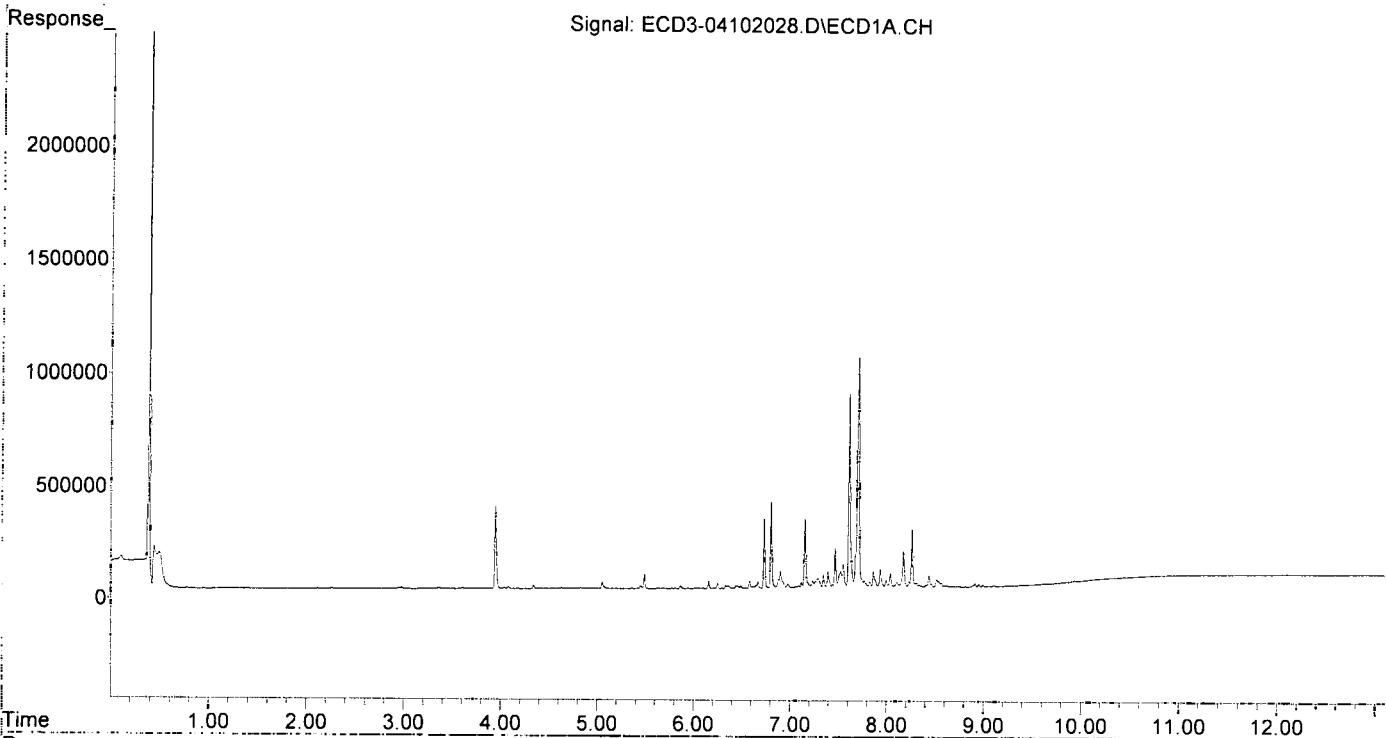
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
2) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. 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) Oxychlorane	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
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...	7.615	8.221	860072	734996	44.534	57.718
33) Chlordane...	7.709	8.329	1020612	633044	46.370	58.630
34) Chlordane...	8.266	8.997	252424	195537	41.989	58.913 #
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\2020-04\0D10031\
Data File : ECD3-04102028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 18:57
Operator : MJB
Sample : 0D10031-CALK
Misc : A19K307, CHLOR 50 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: Apr 13 11:51:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 19:14
 Operator : MJB
 Sample : 0D10031-CALL
 Misc : A19K308, CHLOR 100 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: Apr 13 11:51:47 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

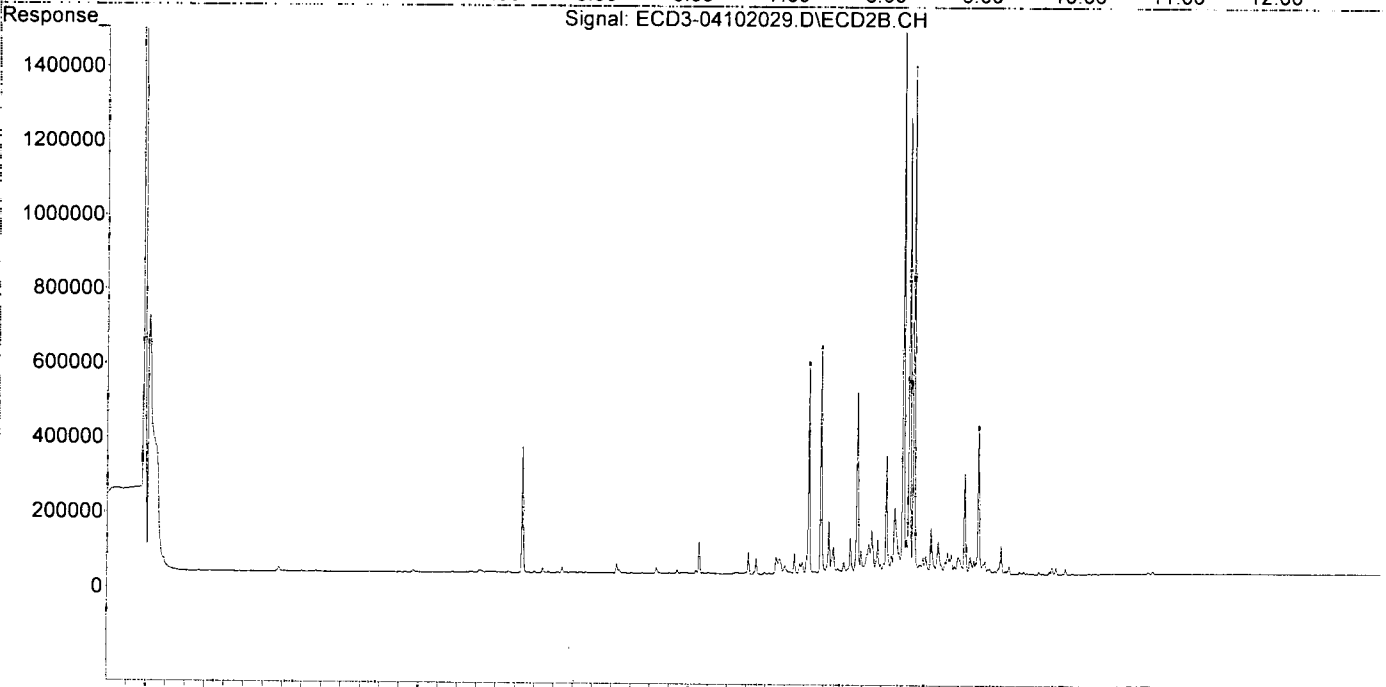
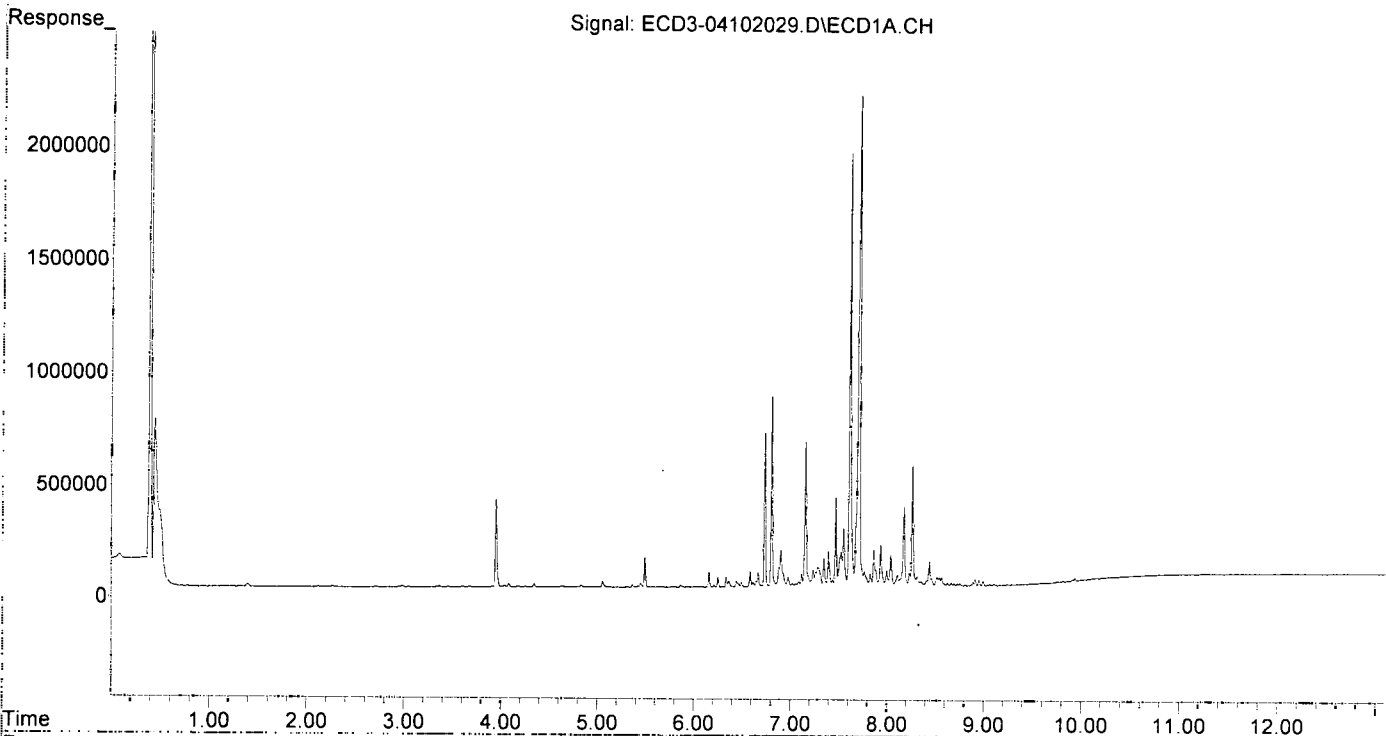
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.613	8.220	1921243	1636710	99.480	128.528
33) Chlordane...	7.709	8.329	2178319	1360439	98.968	125.998
34) Chlordane...	8.265	8.997	525276	395685	87.375	130.823 #
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\2020-04\0D10031\
Data File : ECD3-04102029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 19:14
Operator : MJB
Sample : 0D10031-CALL
Misc : A19K308, CHLOR 100 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: Apr 13 11:51:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 19:31
 Operator : MJB
 Sample : 0D10031-CALM
 Misc : A19K309, CHLOR 200 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: Apr 13 11:52:29 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

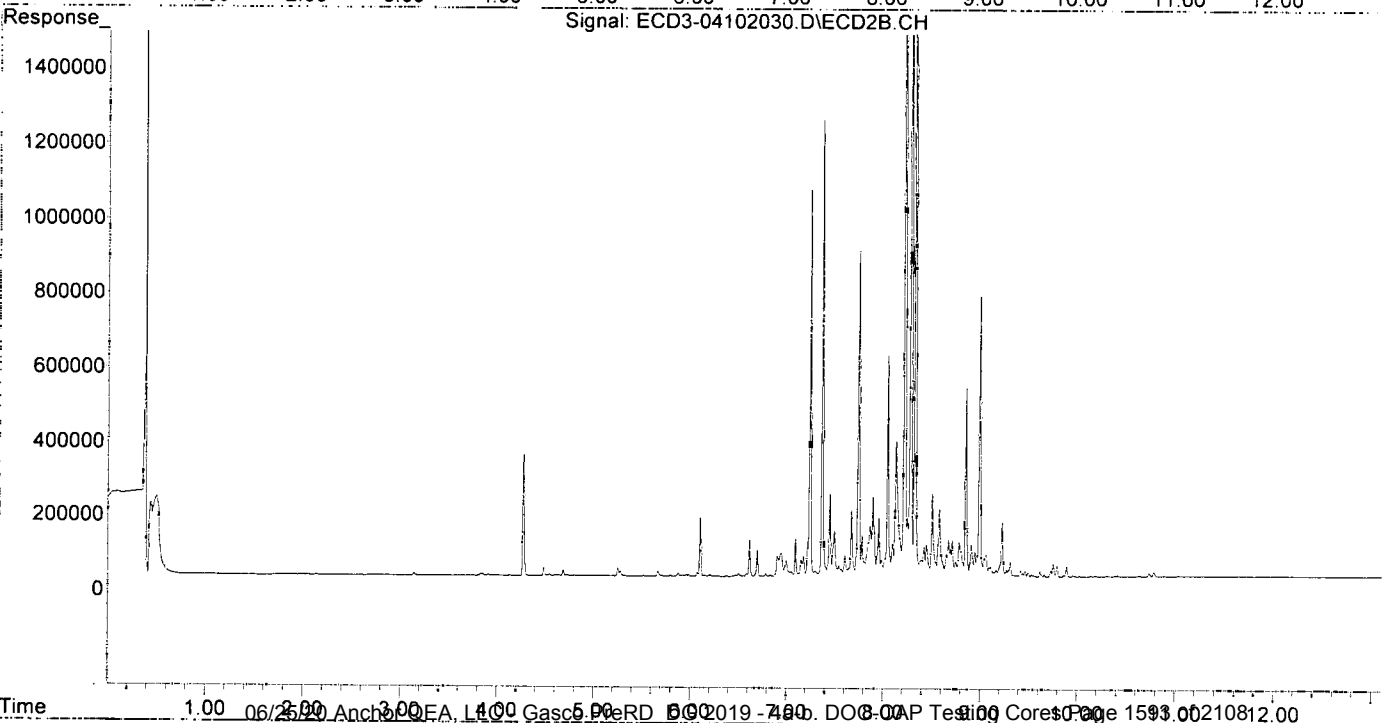
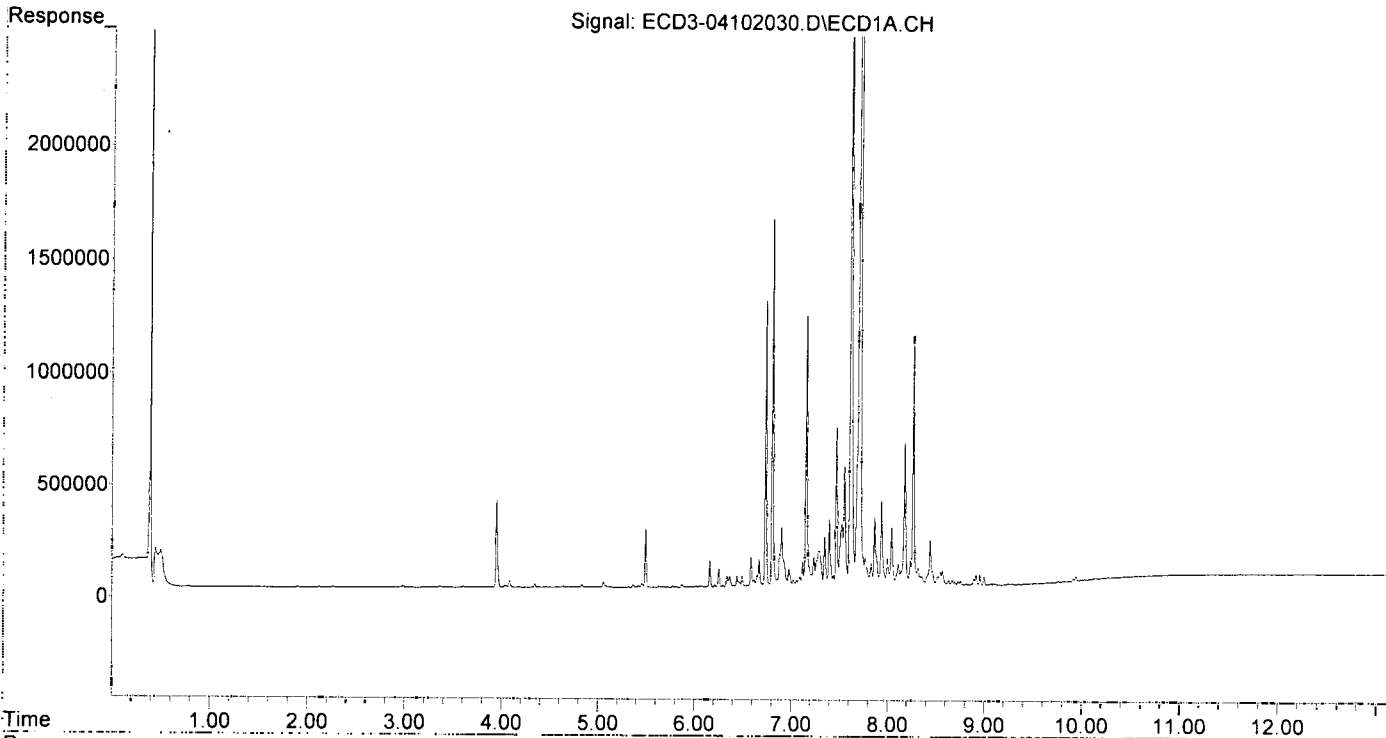
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.613	8.220	3546473	2904795	183.634	228.109
33) Chlordane...	7.707	8.328	4127220	2508298	187.513	232.308
34) Chlordane...	8.265	8.996	1111336	745316	184.861	255.675
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\2020-04\0D10031\
Data File : ECD3-04102030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 19:31
Operator : MJB
Sample : 0D10031-CALM
Misc : A19K309, CHLOR 200 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: Apr 13 11:52:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 19:49
 Operator : MJB
 Sample : 0D10031-CALN
 Misc : A19K310, CHLOR 500 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: Apr 13 11:49:34 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:43:12 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

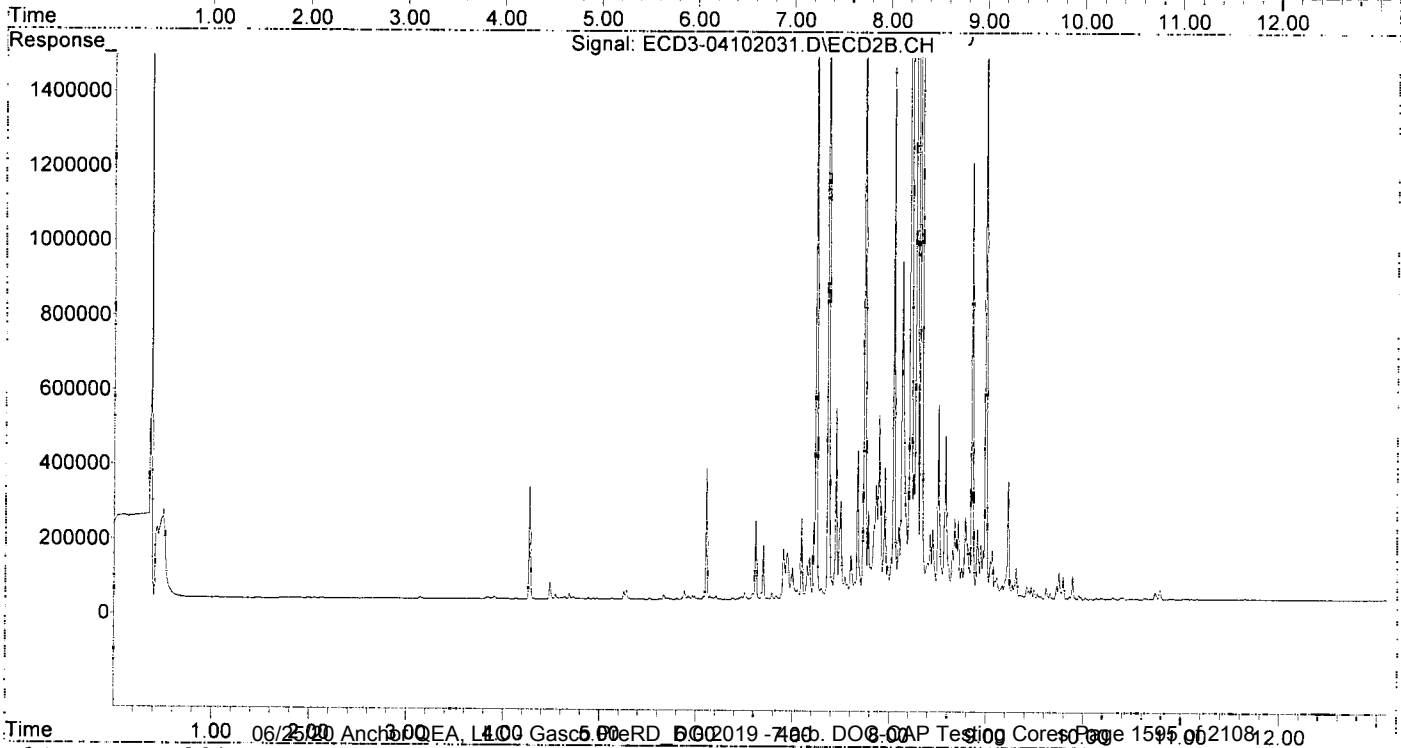
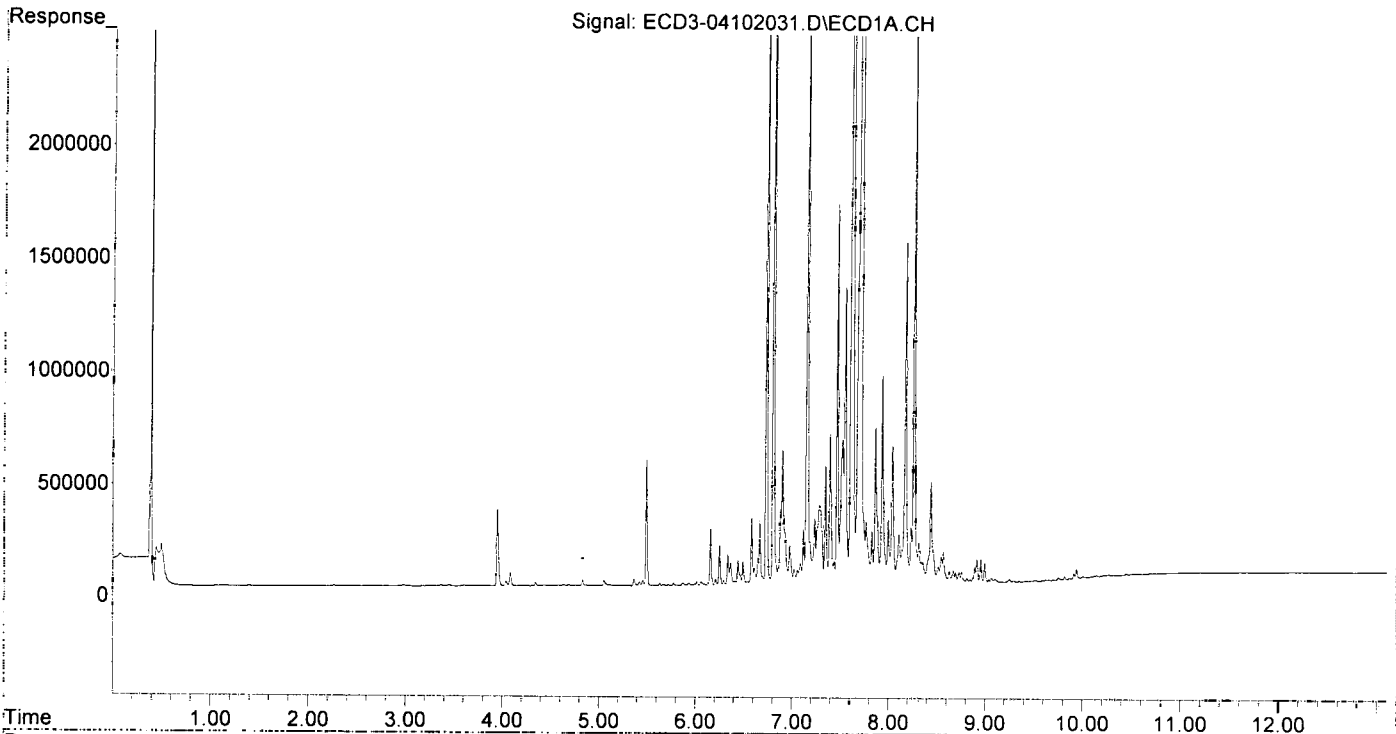
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.613	8.220	8257015	6758715	427.542	530.752
33) Chlordane...	7.707	8.329	9851749	5655525	447.596	523.792
34) Chlordane...	8.264	8.997	2640047	1759160	439.150	612.410
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\2020-04\0D10031\
Data File : ECD3-04102031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 19:49
Operator : MJB
Sample : 0D10031-CALN
Misc : A19K310, CHLOR 500 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: Apr 13 11:49:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:43:12 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 20:06
 Operator : MJB
 Sample : 0D10031-CALO
 Misc : A19K311, CHLOR 1000 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: Apr 13 11:53:05 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

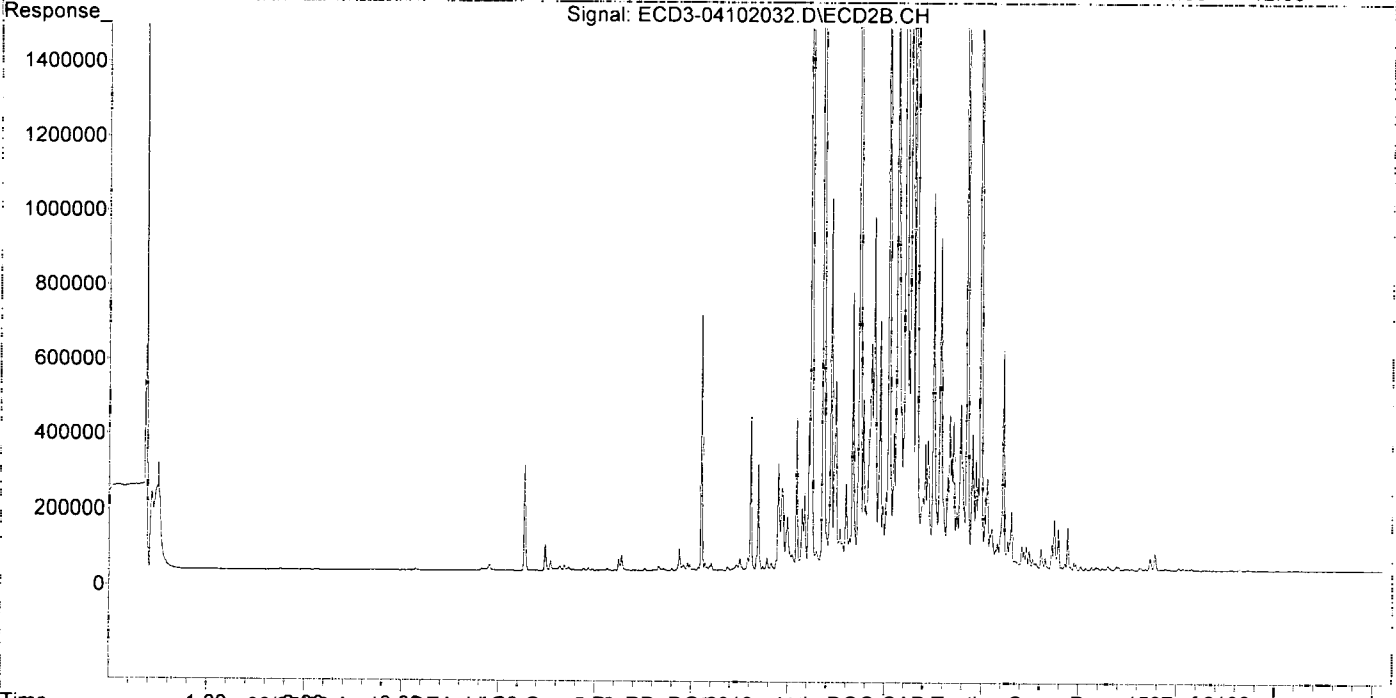
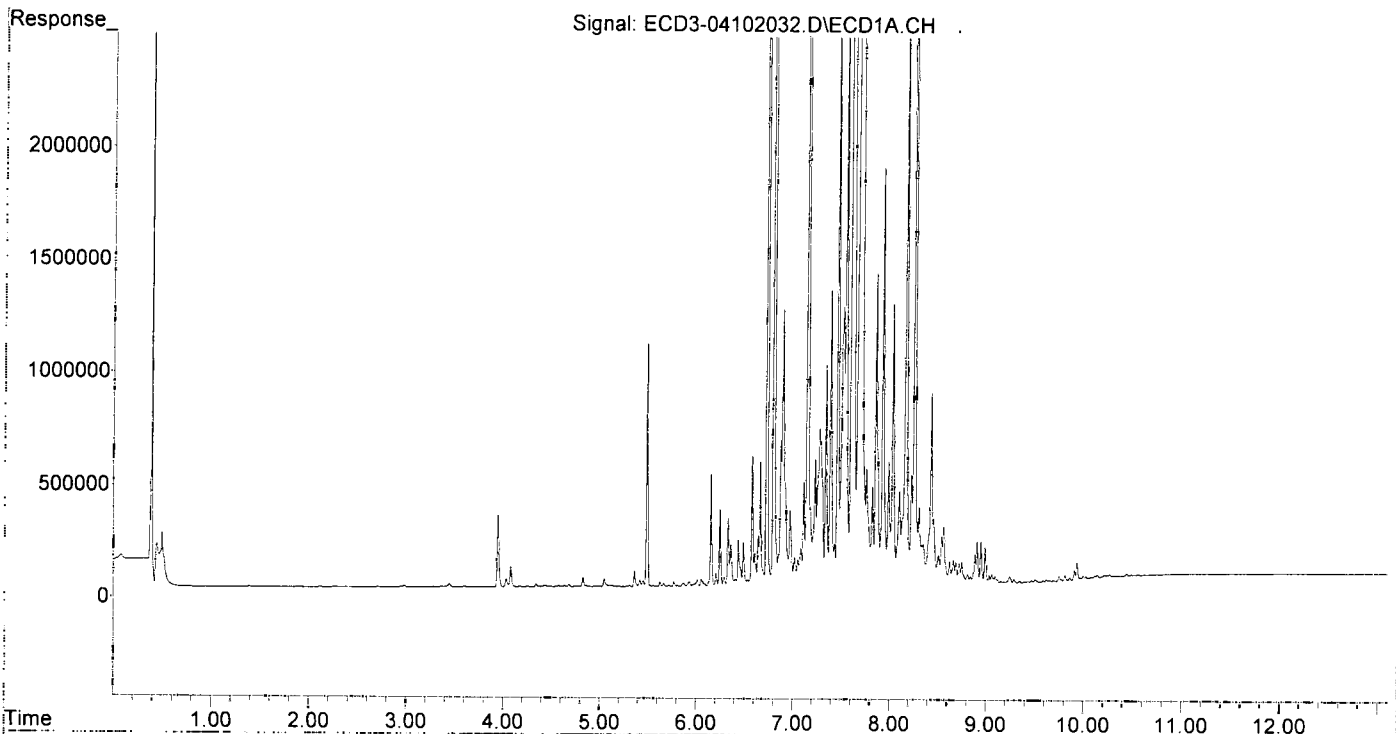
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
2) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. 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) Oxychlorane	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
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...	7.612	8.219	16297810	12939873	843.888	1016.149
33) Chlordane...	7.706	8.327	18923452	11101616	859.752	1028.187
34) Chlordane...	8.264	8.996	4918547	3349788	818.159	1157.152 #
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\2020-04\0D10031\
Data File : ECD3-04102032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 20:06
Operator : MJB
Sample : 0D10031-CALO
Misc : A19K311, CHLOR 1000 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: Apr 13 11:53:05 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 20:23
 Operator : MJB
 Sample : 0D10031-CALP
 Misc : A19K306, CHLOR 2000 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: Apr 13 11:54:13 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

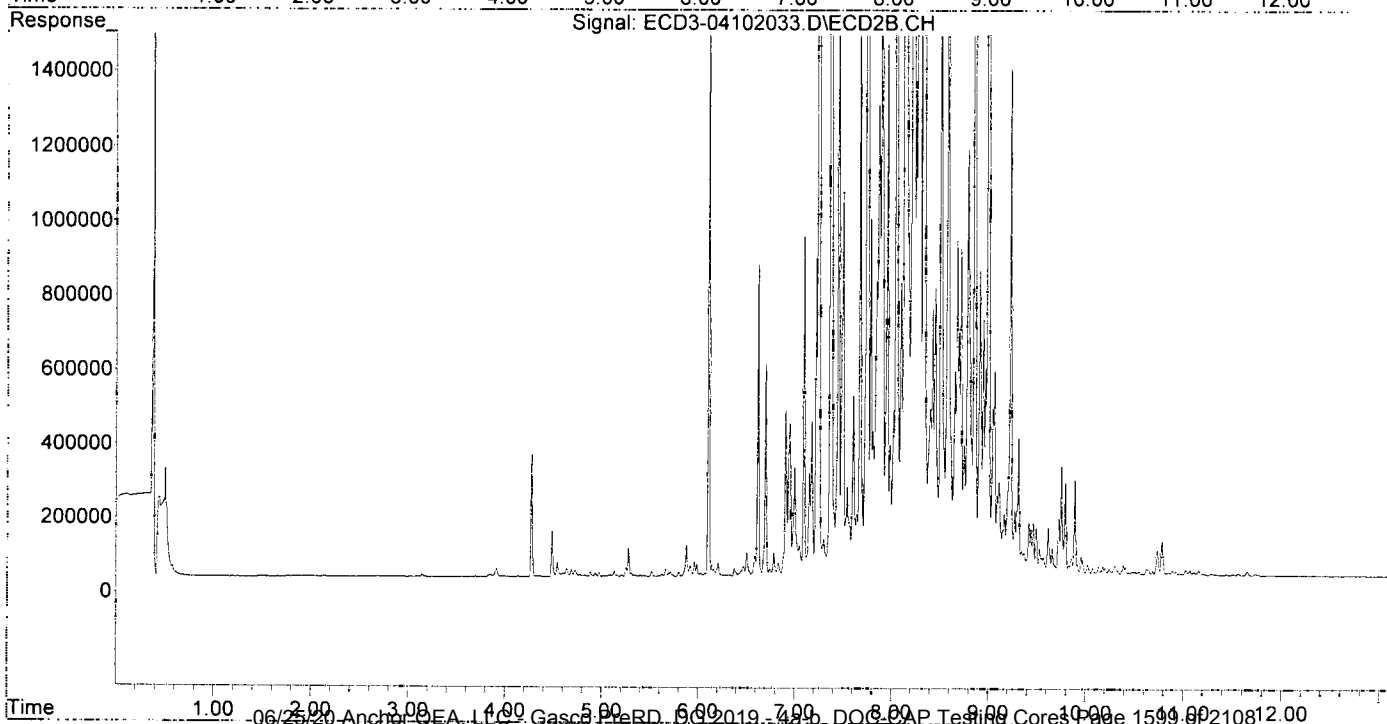
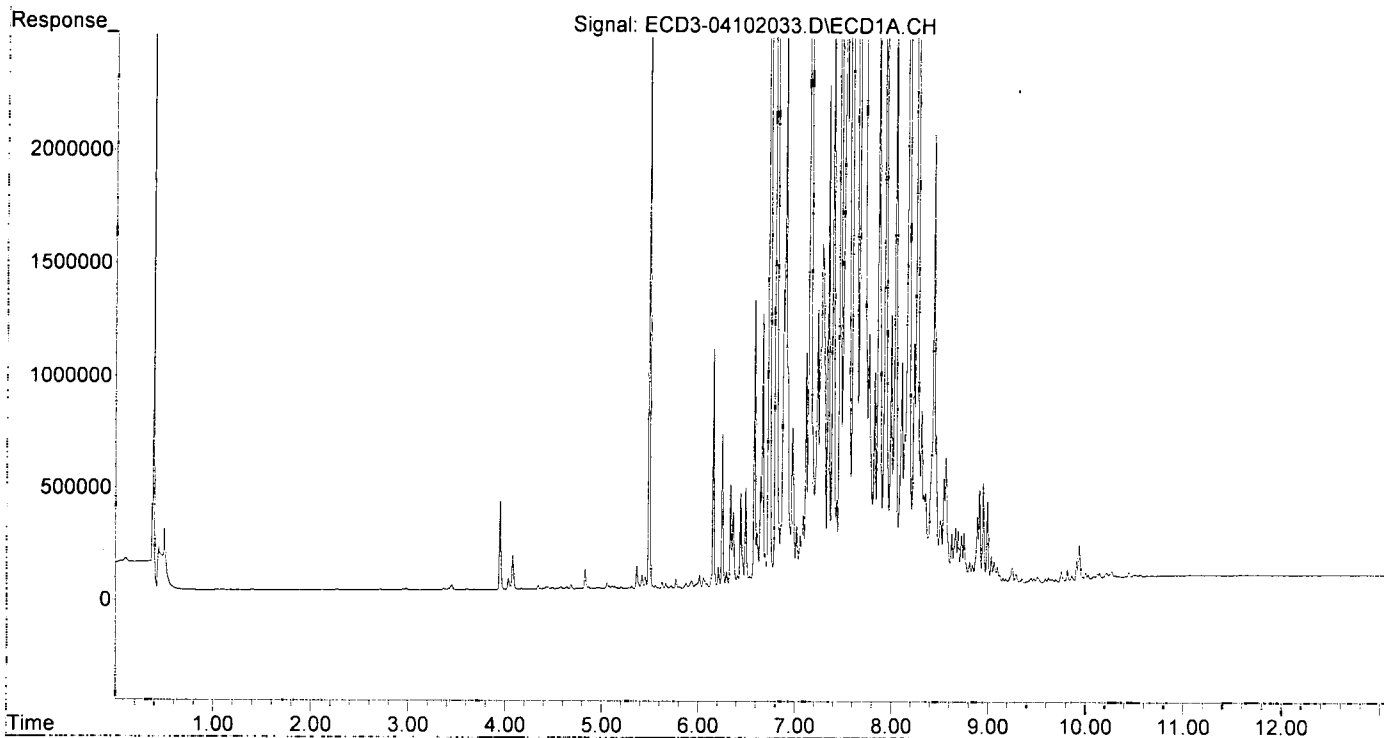
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.612	8.219	36805140	27125757	1905.741	2130.146
33) Chlordane...	7.707	8.328	42306718	22830370	1922.129	2114.457
34) Chlordane...	8.263	8.996	11270916	7528954	1874.822	2512.150
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\2020-04\0D10031\
Data File : ECD3-04102033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 20:23
Operator : MJB
Sample : 0D10031-CALP
Misc : A19K306, CHLOR 2000 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: Apr 13 11:54:13 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 21:14
 Operator : MJB
 Sample : 0D10031-CALQ
 Misc : A20D137, TOX 10 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: Apr 13 11:59:00 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 11:57:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

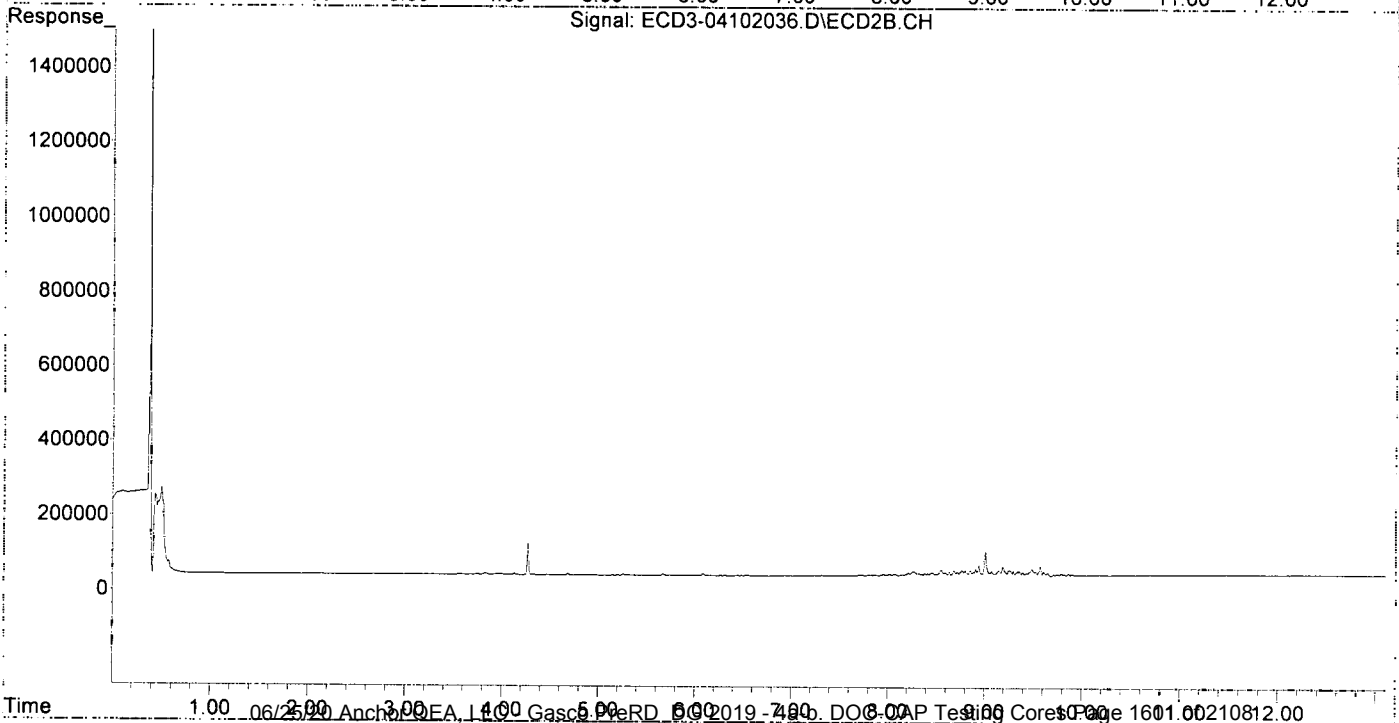
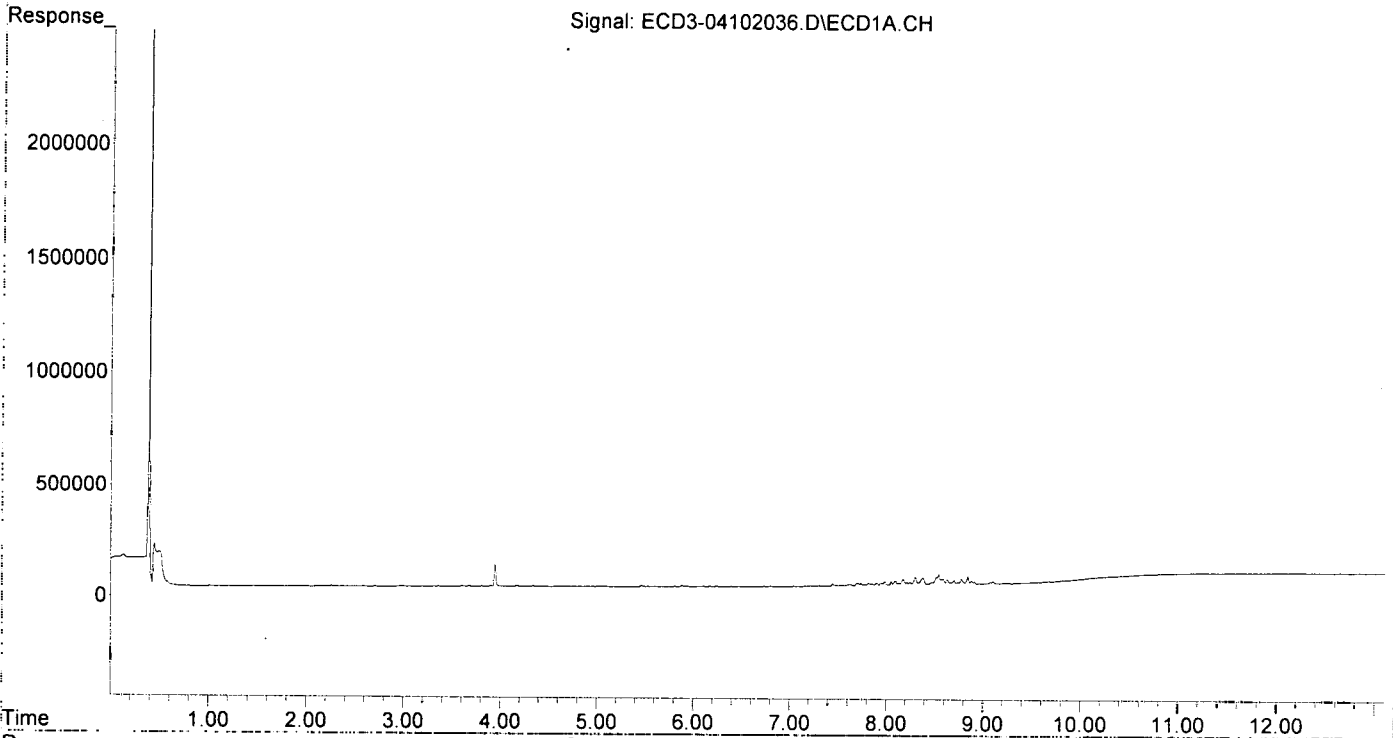
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.702	8.558	9912	11439	12.065	13.951
37) Toxaphene...	7.986	8.909	15559	14963	9.888	15.107 #
38) Toxaphene...	8.302	8.944	32449	26120	10.031	14.313 #
39) Toxaphene...	8.543	9.011	44818	62570	14.219	20.594 #
40) Toxaphene...	8.775	9.190	23487	23927	9.678	16.587 #
41) Toxaphene...	8.844	9.574	34168	24338	11.035	14.662
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\2020-04\0D10031\
Data File : ECD3-04102036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:14
Operator : MJB
Sample : 0D10031-CALQ
Misc : A20D137, TOX 10 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: Apr 13 11:59:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:57:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 21:31
 Operator : MJB
 Sample : 0D10031-CALR
 Misc : A19J417, TOX 50 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: Apr 13 11:59:37 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:57:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

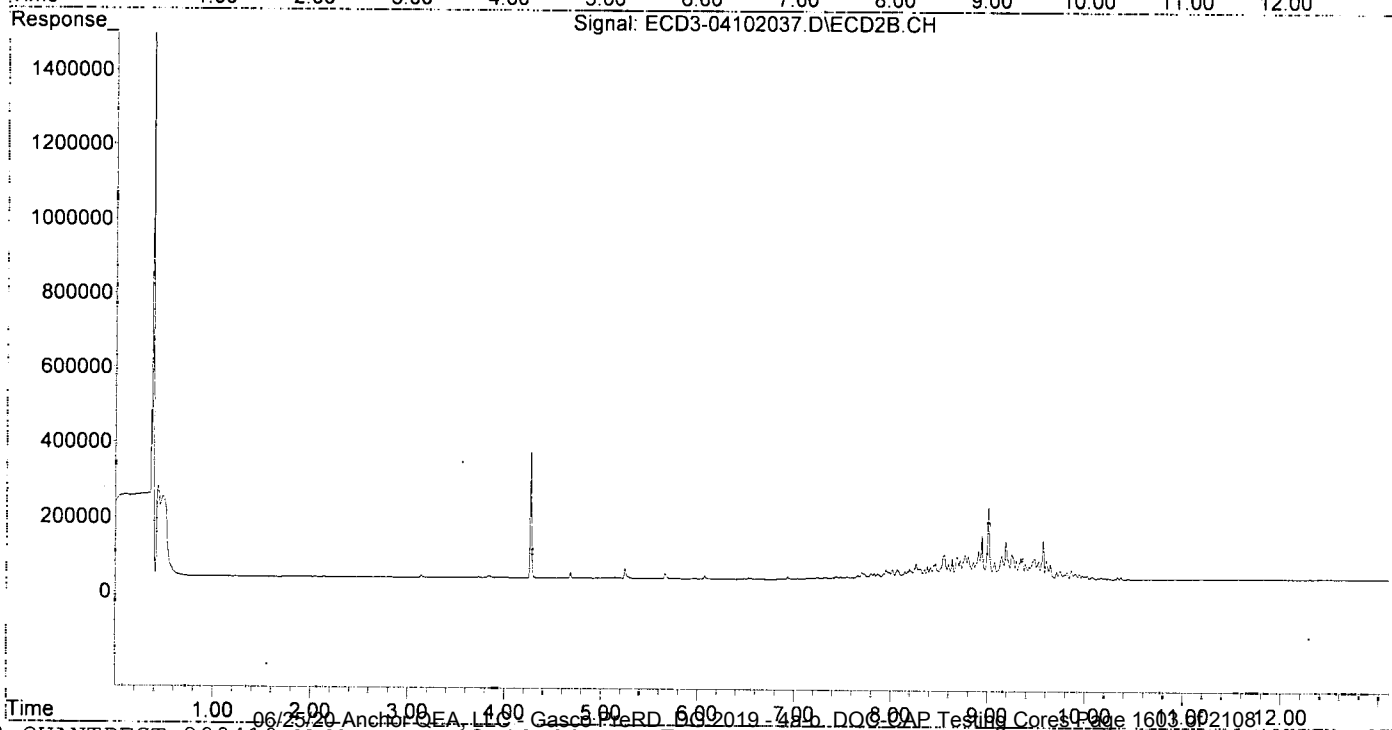
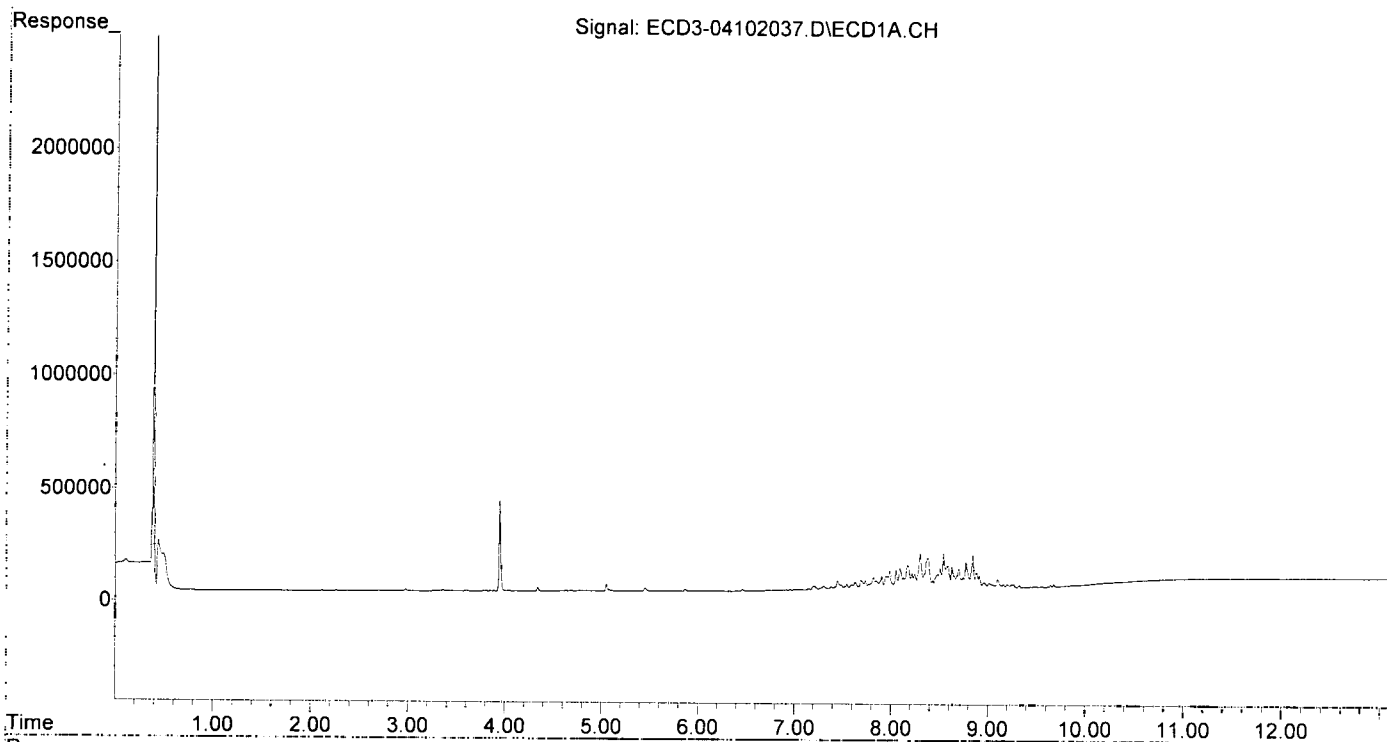
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.689	8.558	41998	61319	51.119	74.788 #
37) Toxaphene...	7.985	8.909	82518	72536	52.441	73.236
38) Toxaphene...	8.302	8.944	158918	114478	49.128	72.680 #
39) Toxaphene...	8.544	9.012	158276	190413	50.214	75.400 #
40) Toxaphene...	8.775	9.190	119137	99407	49.091	68.914 #
41) Toxaphene...	8.844	9.574	150990	103198	48.765	72.323 #
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\2020-04\0D10031\
Data File : ECD3-04102037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:31
Operator : MJB
Sample : 0D10031-CALR
Misc : A19J417, TOX 50 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: Apr 13 11:59:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:57:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 21:48
 Operator : MJB
 Sample : OD10031-CALS
 Misc : A19J418, TOX 100 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: Apr 13 12:00:15 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:57:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MR
4/13/20

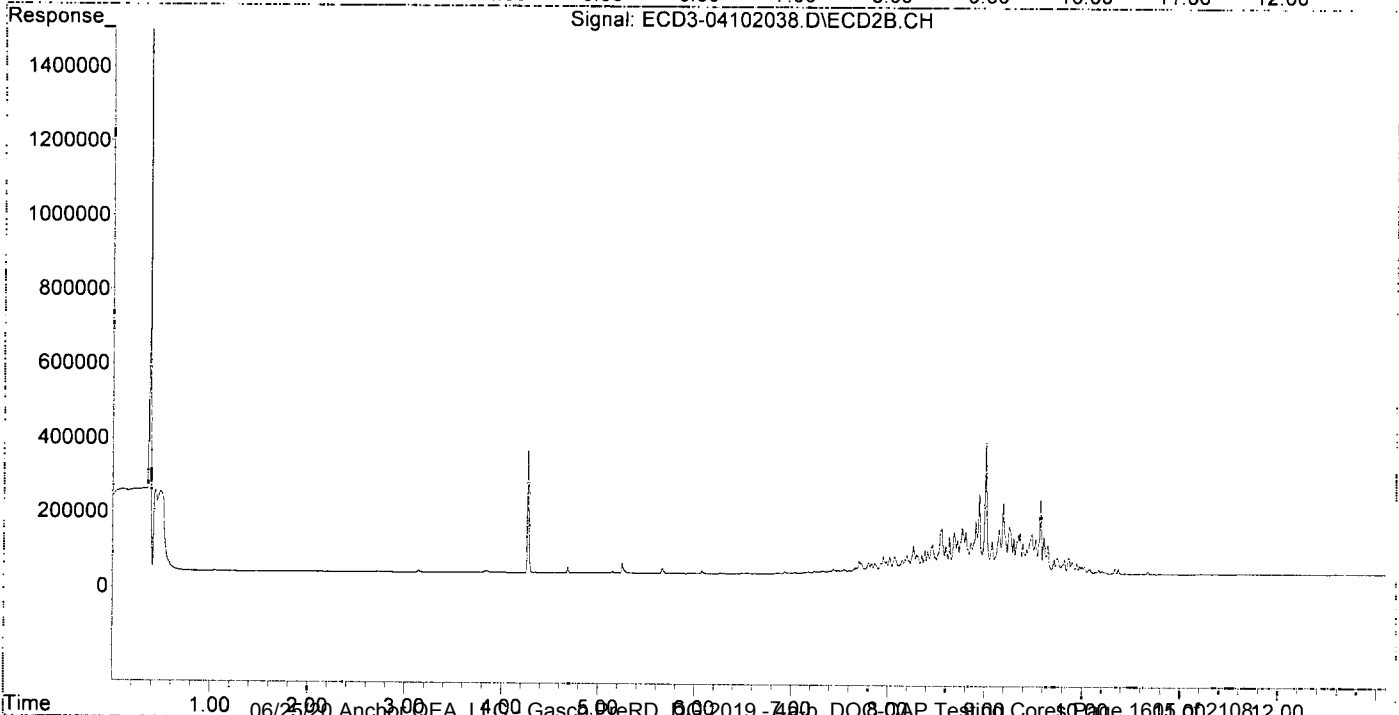
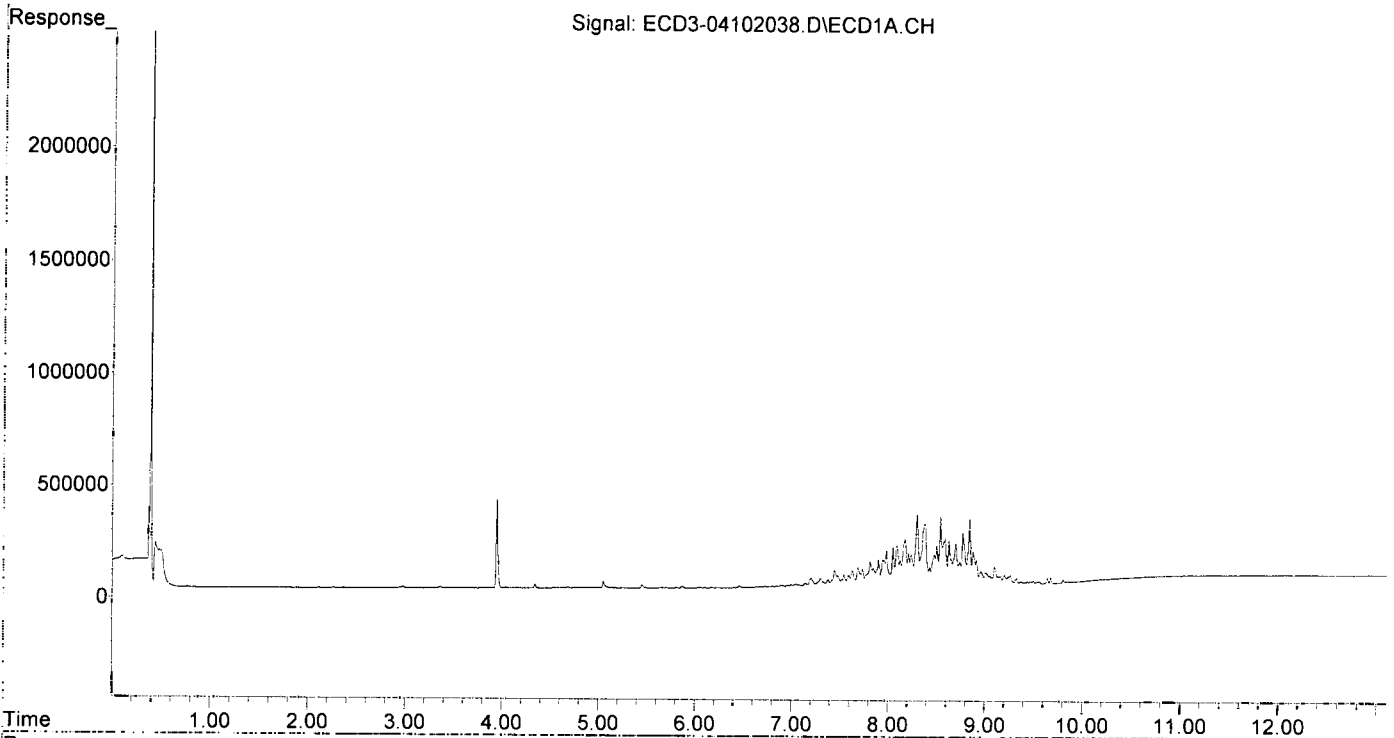
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.688	8.558	83308	116776	101.402	142.428 #
37) Toxaphene...	7.985	8.908	156502	135442	99.457	136.749
38) Toxaphene...	8.301	8.944	311689	211094	96.355	136.526 #
39) Toxaphene...	8.543	9.011	303785	346003	96.378	142.000 #
40) Toxaphene...	8.775	9.190	229620	185979	94.616	128.930
41) Toxaphene...	8.844	9.574	291120	194265	94.023	138.789 #
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\2020-04\0D10031\
Data File : ECD3-04102038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 21:48
Operator : MJB
Sample : 0D10031-CALS
Misc : A19J418, TOX 100 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: Apr 13 12:00:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:57:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:05
 Operator : MJB
 Sample : 0D10031-CALT
 Misc : A19J419, TOX 200 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: Apr 13 12:00:49 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:57:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

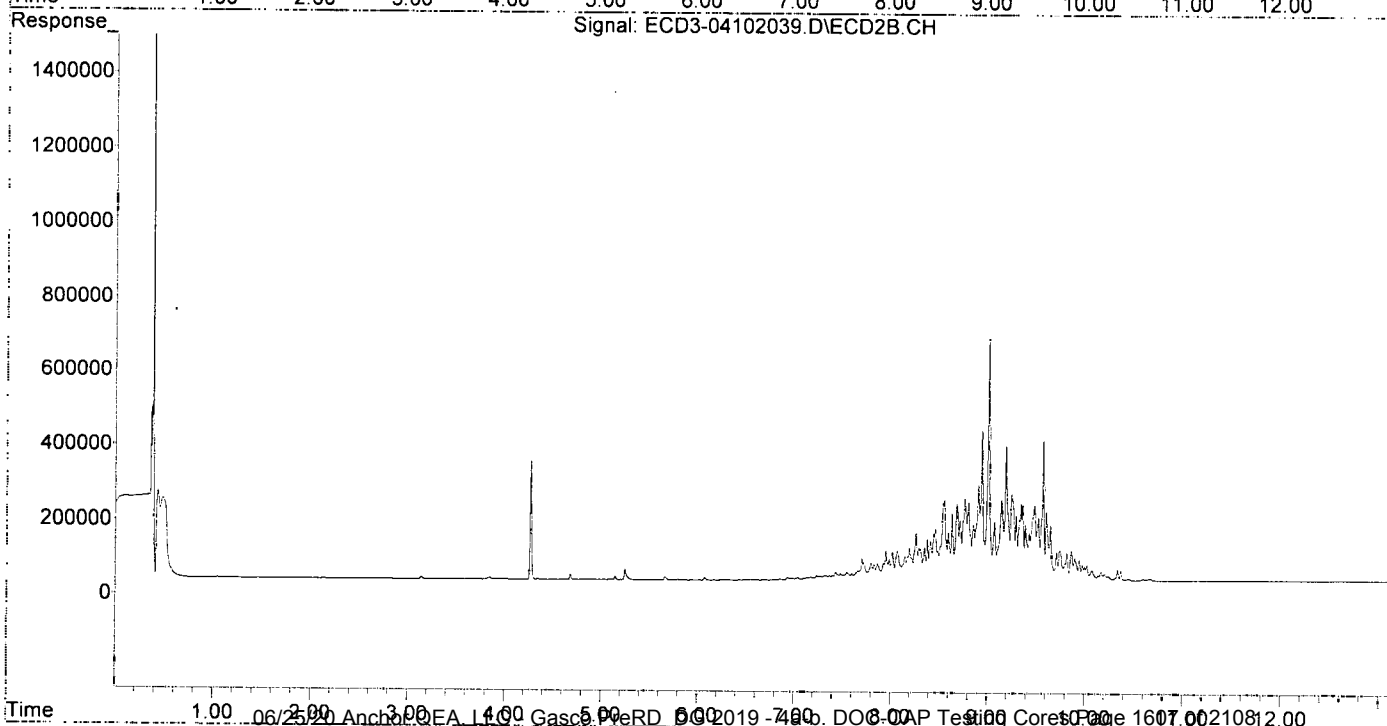
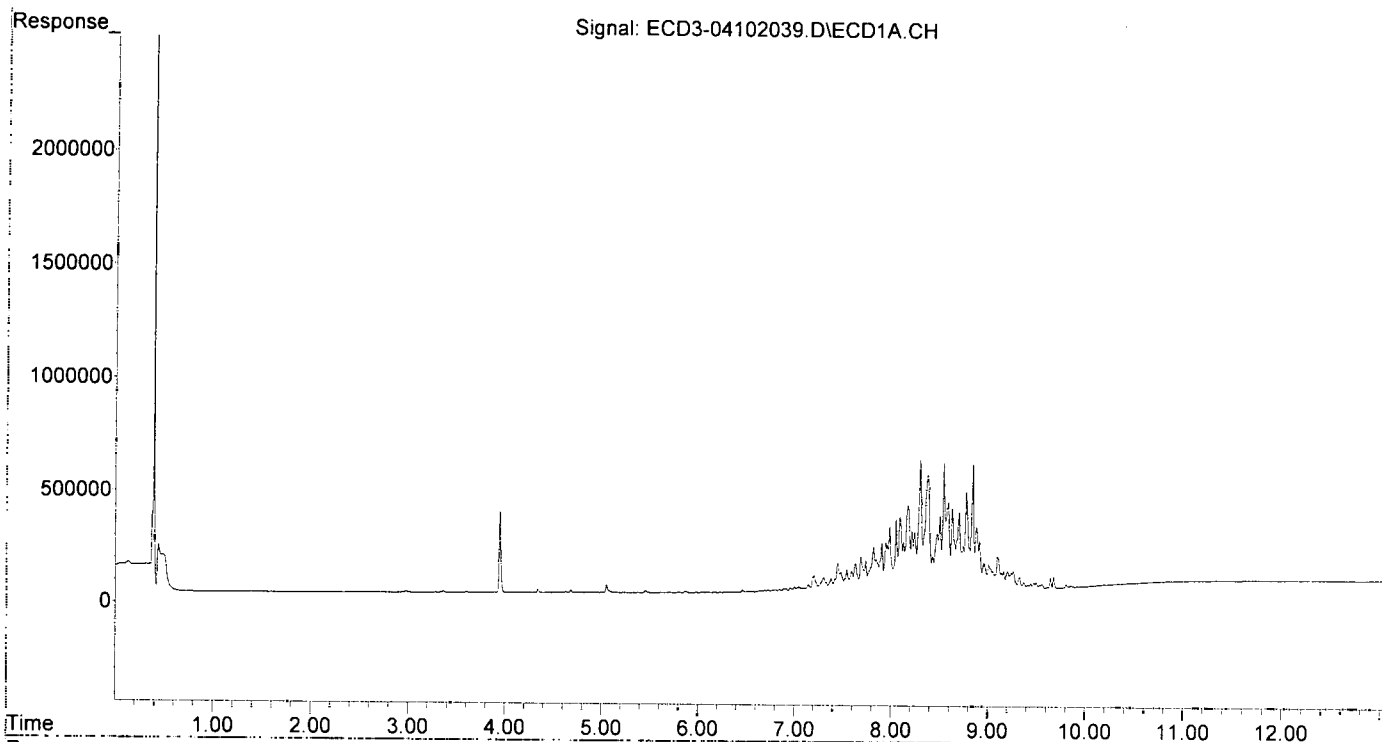
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.686	8.557	153469	208550	186.801	254.382
37) Toxaphene...	7.984	8.907	286085	248644	181.807	251.044
38) Toxaphene...	8.299	8.943	586224	394858	181.225	258.033 #
39) Toxaphene...	8.542	9.011	565257	639556	179.331	267.346 #
40) Toxaphene...	8.774	9.189	439278	355753	181.007	246.625
41) Toxaphene...	8.842	9.573	559171	370159	180.595	266.802 #
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\2020-04\0D10031\
Data File : ECD3-04102039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:05
Operator : MJB
Sample : 0D10031-CALT
Misc : A19J419, TOX 200 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: Apr 13 12:00:49 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:57:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:22
 Operator : MJB
 Sample : 0D10031-CALU
 Misc : A19J420, TOX 500 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: Apr 13 11:57:09 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:50:02 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

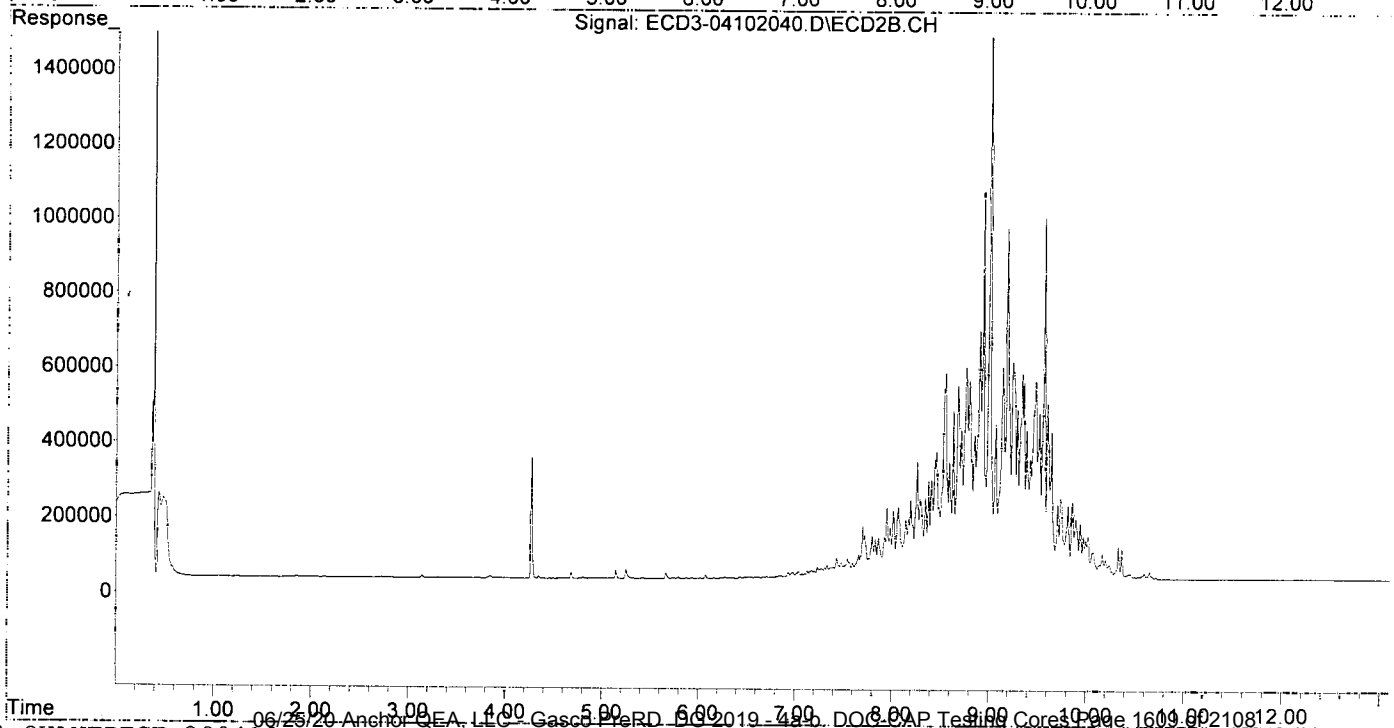
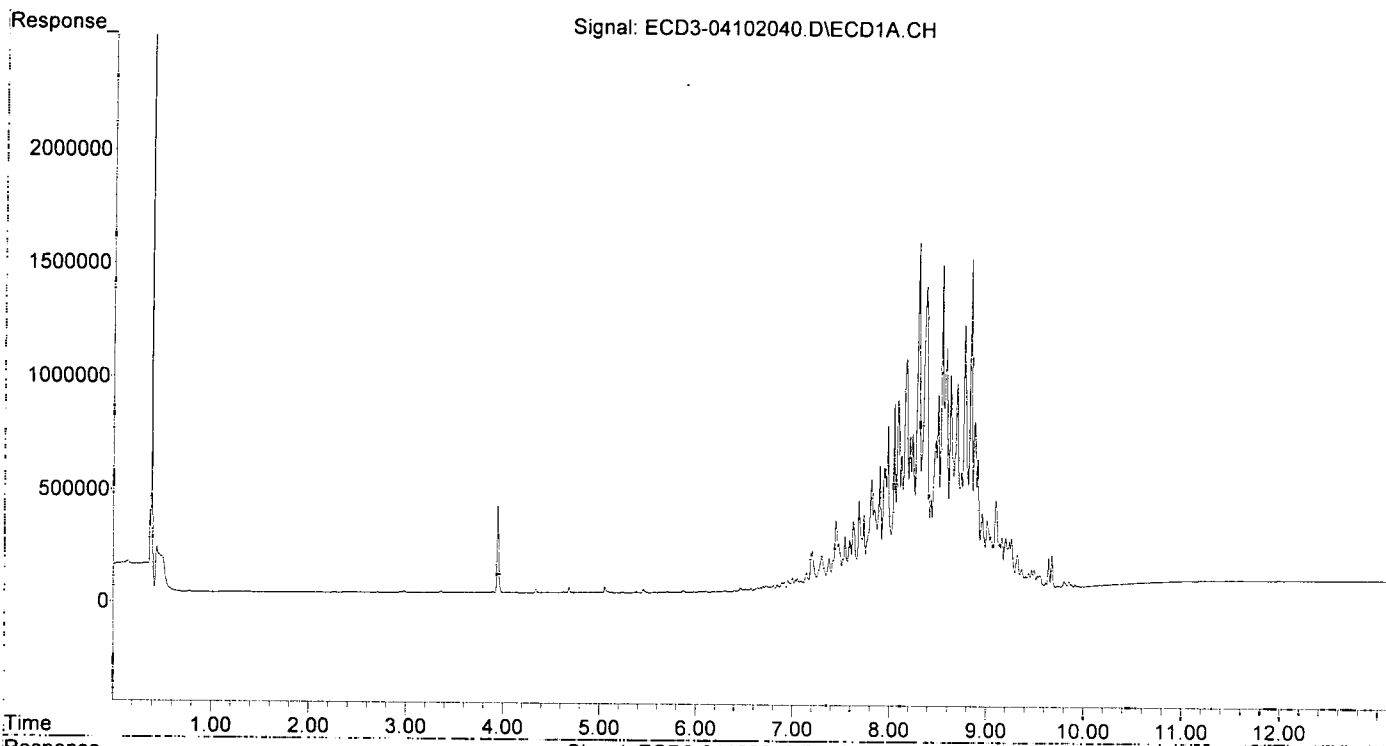
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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
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...	7.685	8.556	400599	549025	487.607	669.629
37) Toxaphene...	7.982	8.906	728788	661072	463.146	667.452 #
38) Toxaphene...	8.298	8.942	1540725	1031208	476.299	679.516 #
39) Toxaphene...	8.541	9.010	1443047	1630720	457.816	687.655 #
40) Toxaphene...	8.772	9.187	1171966	932303	482.916	646.317
41) Toxaphene...	8.842	9.572	1468060	958890	474.140	691.839 #
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\2020-04\0D10031\
Data File : ECD3-04102040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:22
Operator : MJB
Sample : OD10031-CALU
Misc : A19J420, TOX 500 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: Apr 13 11:57:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualeCD3
QLast Update : Mon Apr 13 11:50:02 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:39
 Operator : MJB
 Sample : OD10031-CALV
 Misc : A19J421, TOX 1000 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: Apr 13 12:01:32 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualECD3
 QLast Update : Mon Apr 13 11:57:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

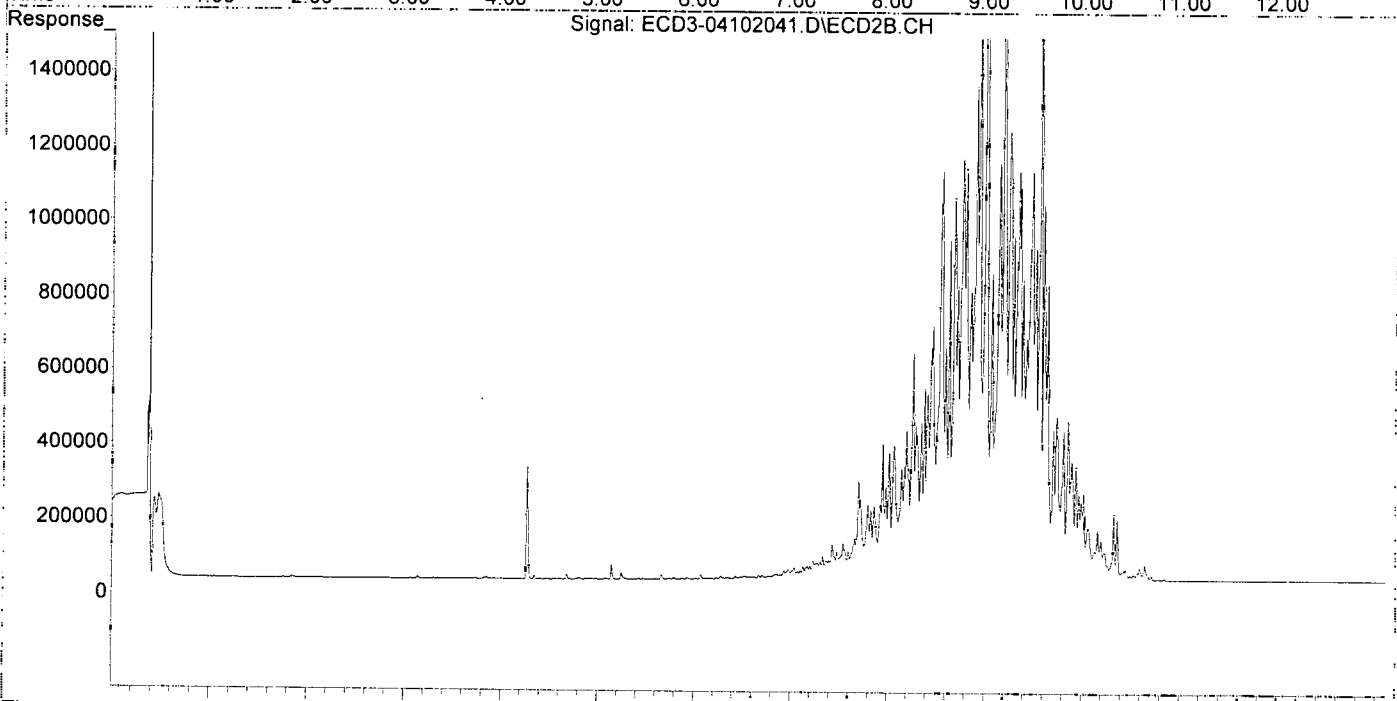
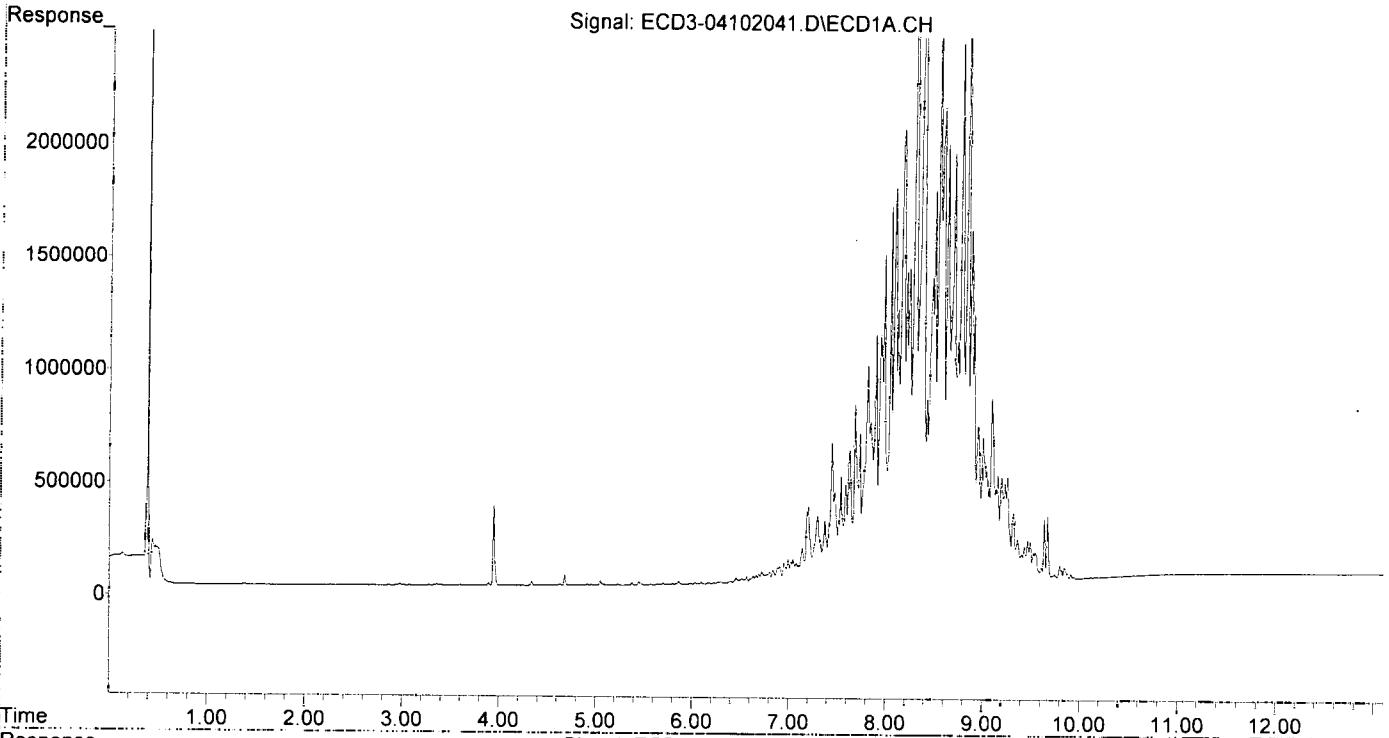
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.684	8.556	793856	1091279	966.275	1330.999
37) Toxaphene...	7.982	8.906	1453876	1317514	923.940	1330.229 #
38) Toxaphene...	8.298	8.942	3092888	2068991	956.133	1369.306 #
39) Toxaphene...	8.541	9.010	2982259	3308655	946.140	1389.257 #
40) Toxaphene...	8.773	9.188	2385429	1879026	982.932	1302.631
41) Toxaphene...	8.842	9.571	3017263	1938338	974.486	1387.659 #
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\2020-04\0D10031\
Data File : ECD3-04102041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:39
Operator : MJB
Sample : 0D10031-CALV
Misc : A19J421, TOX 1000 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: Apr 13 12:01:32 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:57:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-04\0D10031\
 Data File : ECD3-04102042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 10 Apr 2020 22:56
 Operator : MJB
 Sample : 0D10031-CALW
 Misc : A19J416, TOX 2000 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: Apr 13 12:01:59 2020
 Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
 Quant Title : Instrument: DualeCD3
 QLast Update : Mon Apr 13 11:57:20 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
4/13/20

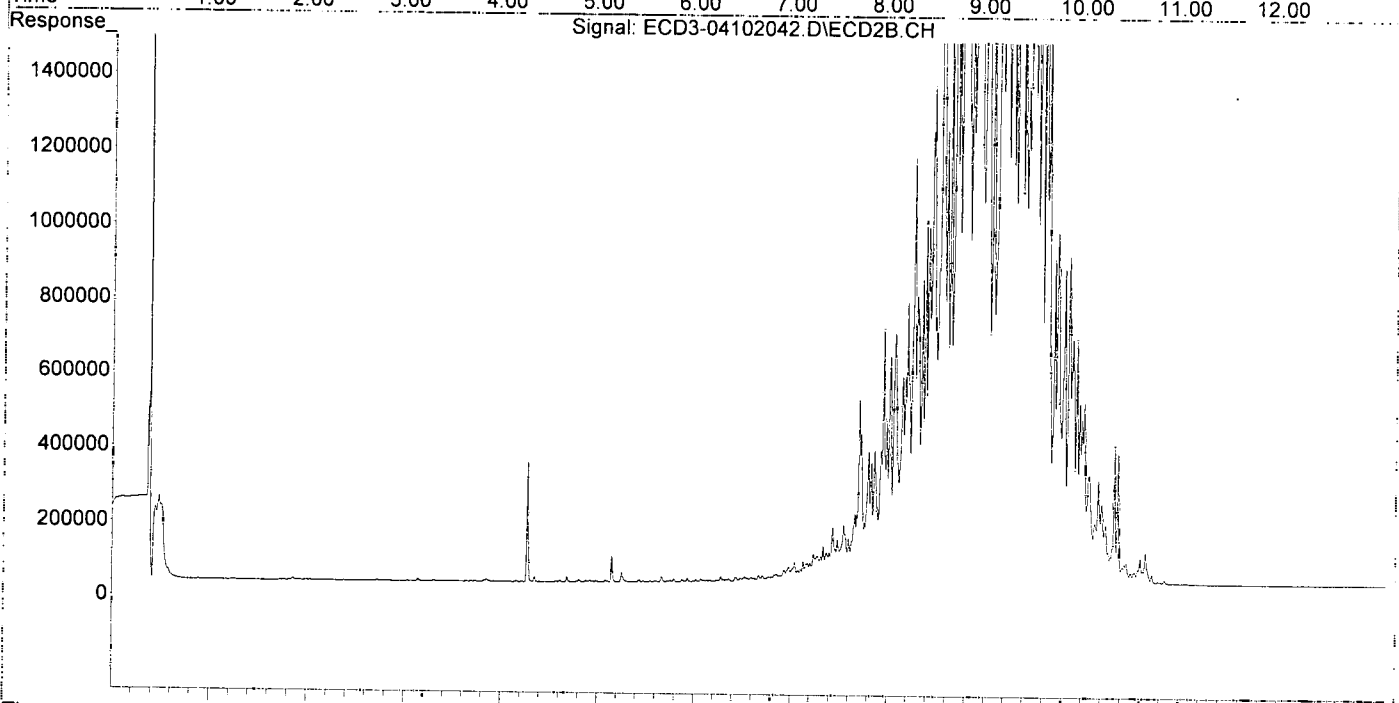
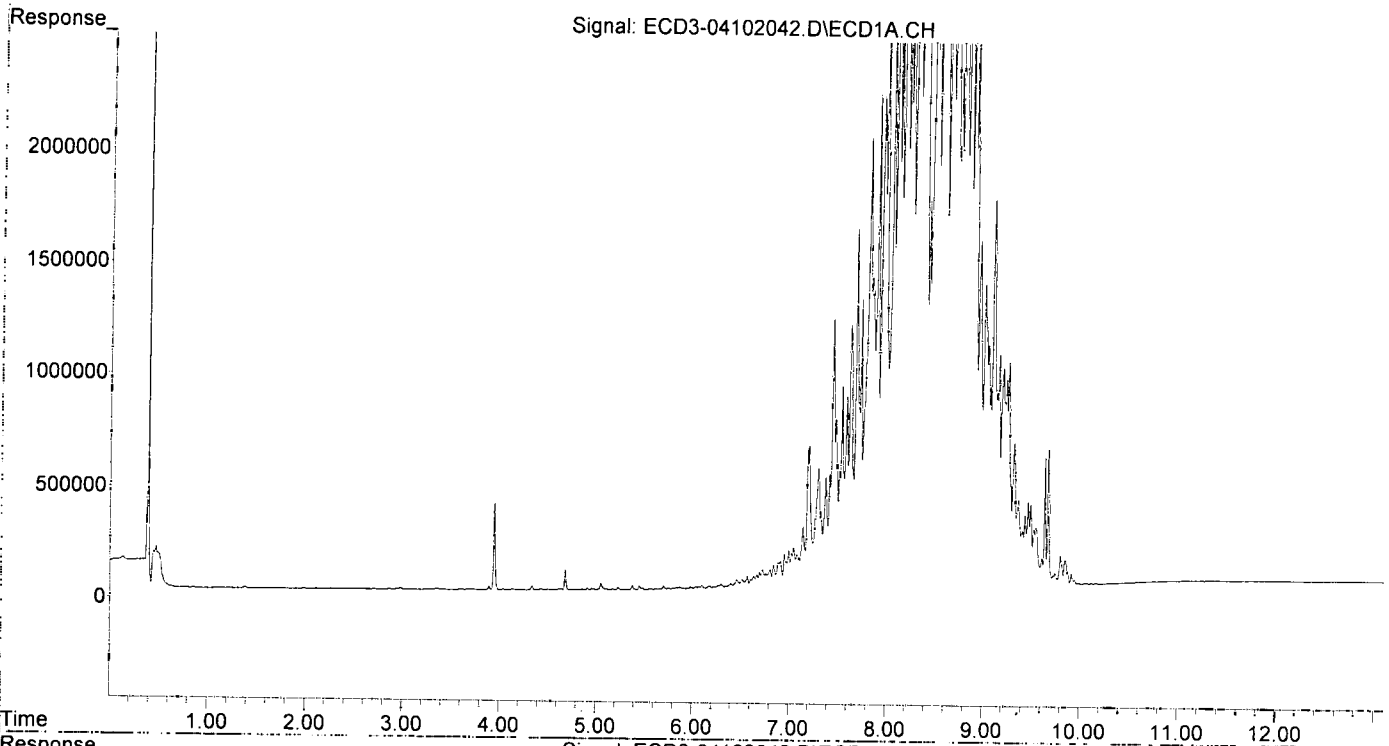
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorane	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
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...	7.683	8.556	1600533	2139599	1948.157	2609.602
37) Toxaphene...	7.981	8.906	2869354	2728248	1823.478	2754.578 #
38) Toxaphene...	8.298	8.942	6253933	4148392	1933.337	2760.605 #
39) Toxaphene...	8.540	9.010	6177768	6693759	1959.935	2768.944 #
40) Toxaphene...	8.771	9.188	5064912	3797020	2087.031	2632.276
41) Toxaphene...	8.840	9.571	6273981	4041319	2026.308	2837.330 #
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\2020-04\0D10031\
Data File : ECD3-04102042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10 Apr 2020 22:56
Operator : MJB
Sample : 0D10031-CALW
Misc : A19J416, TOX 2000 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: Apr 13 12:01:59 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_200410.M
Quant Title : Instrument: DualECD3
QLast Update : Mon Apr 13 11:57:20 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Batch 0050335
Sequence 0E08046 (A0D0763-12)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11
	0050335-BLK1	QC	05/08/20 12:08	11	5				100					
	0050335-BS1	QC	05/08/20 12:08	10	5	A20B016		100	100					
	A0D0631-25RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.64	5				100	PDI-161SC-B-12 .1-14.1-200424	Re-extract due to blank contamination			
	A0D0631-26RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.62	5				100	PDI-161SC-B-14 .1-15.2-200424	Re-extract due to blank contamination			
	A0D0648-14RE1	D 8270D LL PAH Only (Scan)	05/08/20 12:08	10.39	5				100	PDI-165SC-B-7. 8-9.8-200426	Re-extract due to blank contamination			
	A0D0677-30RE1	D 8270D LL PAH Only (Scan)	05/08/20 14:13	10.6	5				100	PDI-149SC-B-6. 9-8.9-200425	Blank contamination, Added 5/8/2020 By hml			
	0050335-MS2	QC	05/08/20 14:13	10.55	5	A20B016	A0D0677-30RE1	100	100					
	0050335-MSD2	QC	05/08/20 14:16	10.61	5	A20B016	A0D0677-30RE1	100	100					
	A0D0677-31RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.39	5				100	PDI-149SC-B-8. 9-10.9-200425	Re-extract due to blank contamination			
	A0D0701-12RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.3	5				100	PDI-148SC-B-3. 7-5.7-200427	Re-extract due to blank contamination			
	A0D0763-01	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.36	5				100	PDI-061SC-A-03 -04-200428				
	0050335-DUP1	QC	05/08/20 12:08	10.35	5		A0D0763-01		100					
	A0D0763-01RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.36	5				100	PDI-061SC-A-03 -04-200428	Added 5/11/2020 By ams			
	0050335-DUP2	QC	05/08/20 12:08	10.35	5		A0D0763-01RE1		100		Added 5/12/2020 by ams			
	A0D0763-02	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.28	5				100	PDI-061SC-A-04 -05-200428				
	A0D0763-02RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.28	5				100	PDI-061SC-A-04 -05-200428	Added 5/11/2020 By hml			
	A0D0763-03	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.29	5				100	PDI-061SC-A-05 -06-200428				
	A0D0763-03RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.29	5				100	PDI-061SC-A-05 -06-200428	RR-1, 5x. Added 5/11/2020 By jk			
	A0D0763-04	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.57	5				100	PDI-061SC-A-06 -07-200428				
	A0D0763-04RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.57	5				100	PDI-061SC-A-06 -07-200428	Added 5/11/2020 By hml			
	A0D0763-05	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.68	5				100	PDI-061SC-A-07 -08-200428				

AMS
5/14/20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-9	>11
	A0D0763-05RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.68	5				100	PDI-061SC-A-07-08-200428	Added 5/11/2020 By hml			
	A0D0763-06	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.58	5				100	PDI-061SC-A-08-09-200428				
	A0D0763-06RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.58	5				100	PDI-061SC-A-08-09-200428	Added 5/11/2020 By hml			
	A0D0763-07	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.49	5				100	PDI-061SC-A-09-9.9-200428				
	A0D0763-08	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.29	5				100	PDI-061SC-B-00-02-200428				
	A0D0763-09	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.74	5				100	PDI-061SC-B-02-04-200428				
	A0D0763-09RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.74	5				100	PDI-061SC-B-02-04-200428	Added 5/11/2020 By hml			
	A0D0763-10	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.14	5				100	PDI-061SC-B-04-06-200428				
	A0D0763-10RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.14	5				100	PDI-061SC-B-04-06-200428	Added 5/11/2020 By hml			
	A0D0763-11	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.16	5				100	PDI-061SC-B-06-08-200428				
	A0D0763-11RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.16	5				100	PDI-061SC-B-06-08-200428	Added 5/11/2020 By hml			
	A0D0763-12	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.15	5				100	PDI-061SC-B-08-9.9-200428				
	0050335-MS1	QC	05/08/20 12:08	10.13	5	A20B016	A0D0763-12	100	100					

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20B016	08/01/20	LVI PAH Spike @2000ng/ml	A20E041	10/12/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D012	09/28/21	DCM CHEM PROD. DY141-US						
A20D178	10/10/22	Sodium Sulfate Lot # 195259						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11

Method 3546 digestion time and temperture achieved.

Initial:

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11
	0050335-BLK1	QC	05/08/20 12:08	10	5				100				
	0050335-BS1	QC	05/08/20 12:08	10	5	A20B016		100	100				
	A0D0631-25RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-161SC-B-12.1-14.1-200424	Re-extract due to blank contamination		
	A0D0631-26RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-161SC-B-14.1-15.2-200424	Re-extract due to blank contamination		
	A0D0648-14RE1	D 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-165SC-B-7.8-9.8-200426	Re-extract due to blank contamination		
	A0D0677-30RE1	B 8270D LL PAH Only (Scan)	05/08/20 14:13	10	5				100	PDI-149SC-B-6.9-8.9-200425	Blank contamination, Added 5/8/2020 By hml		
	0050335-MS2	QC	05/08/20 14:13	10.53	5	A20B016	A0D0677-30RE1	100	100				
	0050335-MSD2	QC	05/08/20 14:16	10.61	5	A20B016	A0D0677-30RE1	100	100				
	A0D0677-31RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-149SC-B-8.9-10.9-200425	Re-extract due to blank contamination		
	A0D0677-40RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-150SC-B-10.3-12.3-200425	Added 5/8/2020 By ams		
	A0D0701-12RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-148SC-B-3.7-5.7-200427	Re-extract due to blank contamination		
	A0D0763-01	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-03-04-200428			
	0050335-DUP1	QC	05/08/20 12:08	10	5		A0D0763-01		100				
	A0D0763-02	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-04-05-200428			
	A0D0763-03	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-05-06-200428			
	A0D0763-04	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-06-07-200428			
	A0D0763-05	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-07-08-200428			
	A0D0763-06	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-08-09-200428			
	A0D0763-07	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-A-09-9.9-200428			
	A0D0763-08	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-B-00-02-200428			

Prepared By: dm Date: 05-08-20

Reviewed By: cas Date: 05/08/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
	A0D0763-09	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-B-02-04-200428				
	A0D0763-10	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-B-04-06-200428				
	A0D0763-11	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-B-06-08-200428				
	A0D0763-12	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10	5				100	PDI-061SC-B-08-9.9-200428				
	0050335-MS1	QC	05/08/20 12:08	10	5	A20B016	A0D0763-12	100	100					

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20B016	08/01/20	LVI PAH Spike @2000ng/ml	A20E041	10/12/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D012	09/28/21	DCM CHEM PROD. DY141-US						
A20D178	10/10/22	Sodium Sulfate Lot # 195259						

Method 3546 digestion time and temperature achieved.

Initial: *AWH*

Witness: *SLG* 05/08/2020

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH			
												<2	2-8	>11	
1	0050335-BLK1	QC	05/08/20 12:08	10.11	5 ✓				100						
2	0050335-BS1	QC	05/08/20 12:08	10	5 ✓	A20B016		100	100						
3	A0D0631-25RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.64	5 ✓				100	PDI-161SC-B-12.1-14.1-200424	Re-extract due to blank contamination <i>dirt</i>				
4	A0D0631-26RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.62	5 ✓				100	PDI-161SC-B-14.1-15.2-200424	Re-extract due to blank contamination <i>mud</i>				
5	A0D0648-14RE1	D 8270D LL PAH Only (Scan)	05/08/20 12:08	10.39	5 ✓				100	PDI-165SC-B-7.8-9.8-200426	Re-extract due to blank contamination <i>dirt</i>				
6	A0D0677-31RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.39	5 ✓				100	PDI-149SC-B-8.9-10.9-200425	Re-extract due to blank contamination <i>dirt</i>				
7	A0D0677-40RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.72	5 ✓				100	PDI-150SC-B-10.3-12.3-200425	Added 5/8/2020 By ams <i>dirt</i> Re-extracted by mistake <i>Removed</i>				
8	A0D0701-12RE1	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.30	5 ✓				100	PDI-148SC-B-3.7-5.7-200427	Re-extract due to blank contamination <i>dirt</i>				
9	A0D0763-01	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.30	5 ✓				100	PDI-061SC-A-03-04-200428	<i>Mud</i>				
10	0050335-DUP1	QC	05/08/20 12:08	10.35	5 ✓		A0D0763-01		100						
11	A0D0763-02	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.28	5 ✓				100	PDI-061SC-A-04-05-200428	<i>Mud</i>				
12	A0D0763-03	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.29	5 ✓				100	PDI-061SC-A-05-06-200428	<i>Mud</i>				
13	A0D0763-04	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.57	5 ✓				100	PDI-061SC-A-06-07-200428	<i>Mud</i>				
14	A0D0763-05	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.68	5 ✓				100	PDI-061SC-A-07-08-200428	<i>Mud</i>				
15	A0D0763-06	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.58	5 ✓				100	PDI-061SC-A-08-09-200428	<i>Mud</i>				
16	A0D0763-07	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.49	5 ✓				100	PDI-061SC-A-09-9.9-200428	<i>Mud</i>				
17	A0D0763-08	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.29	5 ✓				100	PDI-061SC-B-00-02-200428	<i>Mud</i>				
18	A0D0763-09	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.74	5 ✓				100	PDI-061SC-B-02-04-200428	<i>dirt</i>				
19	A0D0763-10	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10.14	5 ✓				100	PDI-061SC-B-04-06-200428	<i>dirt</i>				

Prepared By: SCG Date: 5/8/20

Reviewed By: SCG Date: 05/08/2020

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0050335 (Sediment)

Prep Method: EPA 3546

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
20	A0D0763-11	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10 10.16	5 ✓				100	PDI-061SC-B-06-08-200428	dirt			
21	A0D0763-12	B 8270D LL PAH Only (Scan)	05/08/20 12:08	10 10.15	5 ✓				100	PDI-061SC-B-08-9.9-200428	slud			
22	0050335-MS1	QC	05/08/20 12:08	10 10.13	5 ✓	A20B016	A0D0763-12	100	100		slud			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20B016	08/01/20	LVI PAH Spike @2000ng/ml	A20E041	10/12/20	8270D LL PAH Only Surr. (5ppm)
A20B017	08/01/20	Glass Wool						
A20D012	09/28/21	DCM CHEM PROD. DY141-US						
A20D178	10/10/22	Sodium Sulfate Lot # 195259						

Method 3546 digestion time and temperature achieved.

Initial: *slu*

Witness: *slu* 05-08-20

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E08046

Instrument: SV-GCMS14

Date: 05/08/20 17:00

Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E08046-TUN1	Sediment	QC	QC			A20C491	A20D411
2	0E08046-CCV1	Sediment	QC	QC			A20C491	A20C472
3	0E08046-CCB1	Sediment	QC	QC			A20C491	
4	0050335-BLK1	Sediment	QC	QC		0050335	A20C491	
5	0050335-BS1	Sediment	QC	QC		0050335	A20C491	
6	A0D0763-01	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C491	
7	0050335-DUP1	Sediment	QC	QC		0050335	A20C491	
8	A0D0763-12	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C491	
9	0050335-MS1	Sediment	QC	QC		0050335	A20C491	
10	A0D0677-30RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050335	A20C491	
11	0050335-MS2	Sediment	QC	QC		0050335	A20C491	
12	0050335-MSD2	Sediment	QC	QC		0050335	A20C491	
13	A0D0673-09	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	
14	A0D0673-12	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	
15	A0D0673-13	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	
16	A0D0677-14	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	
17	A0D0677-15	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	
18	A0D0677-17	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
19	A0D0677-18	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
20	A0D0677-19	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
21	A0D0677-29	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
22	A0D0677-44	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
23	A0D0677-55	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
24	A0D0677-56	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C491	
25	0E08046-IBL1	Sediment	QC	QC			A20C491	

Data Entered By: AMS 5/11/20

Comments:

Data Reviewed By: JK 5/11/20

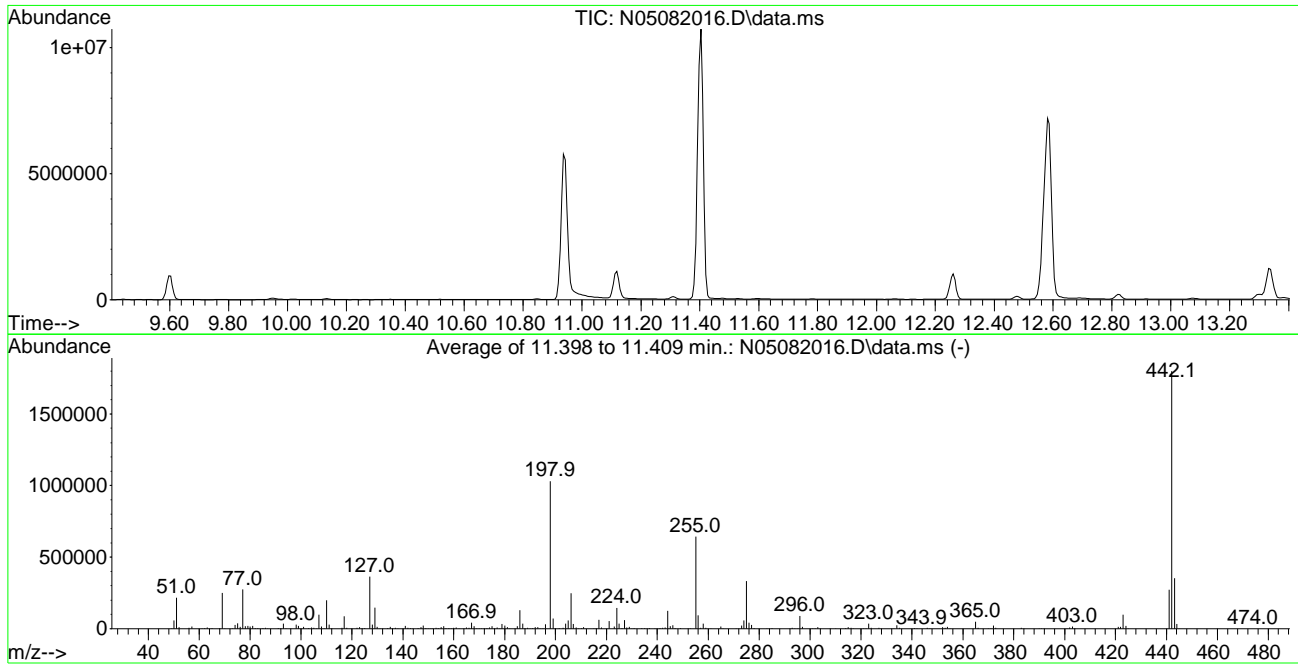
5/11/2020 11:50:26AM

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082016.D
 Acq On : 08 May 2020 05:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

AMS 5/11/20

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



AutoFind: Scans 1219, 1220, 1221; Background Corrected with Scan 1213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4819	PASS
69	69	100	100	100.0	249681	PASS
70	69	0.00	2	0.5	1266	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1030231	PASS
199	198	5	9	6.8	70075	PASS
365	198	1	100	4.8	49139	PASS
441	443	0.01	150	77.3	272277	PASS
442	198	0.10	200	174.7	1800192	PASS
443	442	15	24	19.6	352107	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082016.D
 Acq On : 08 May 2020 05:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:36:39 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

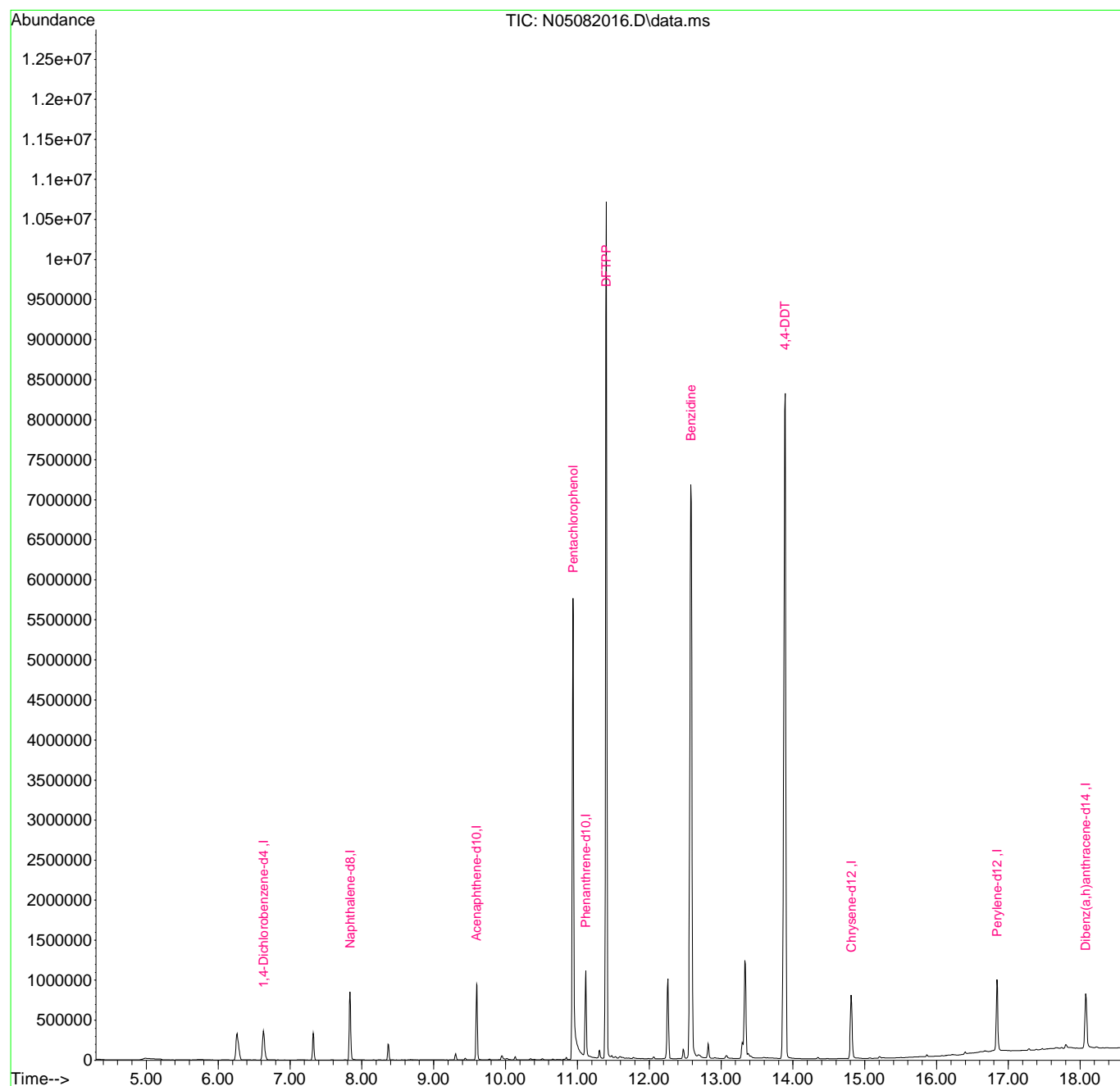
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.630	150	228881	2.00	ug/mL	0.00
2) Naphthalene-d8	7.836	136	602432	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.597	162	304456	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.118	188	614748	2.00	ug/mL	0.00
11) Chrysene-d12	14.813	240	547767	2.00	ug/mL	0.00
12) Perylene-d12	16.842	264	542064	2.00	ug/mL	-0.01
13) Dibenz(a,h)anthracene-...	18.077	292	523894	2.00	ug/mL	#-0.02
Target Compounds						Qvalue
4) Pentachlorophenol	10.943	266	1436642	49.97	ug/mL	76
6) DFTPP	11.404	442	2732872	55.07	ug/mL#	62
7) Benzidine	12.581	184	5923288	27.09	ug/mL	96
8) 4,4-DDE	12.820	TIC	271226	No Calib		
9) 4,4-DDD	13.333	TIC	1965583	No Calib		
10) 4,4-DDT	13.892	TIC	16654794	26.42	ug/mL	93

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
Data File : N05082016.D
Acq On : 08 May 2020 05:13 pm
Operator : JK/ AMS/ DTH
Sample : 0E08046-TUN1
Misc : 1x, A20D411 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:36:39 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Sun May 10 11:11:10 2020
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From:

0E08046-TUN1

SV-GCMS 14

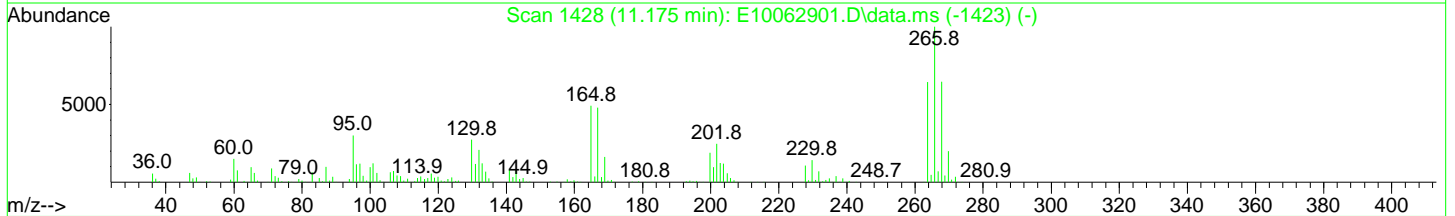
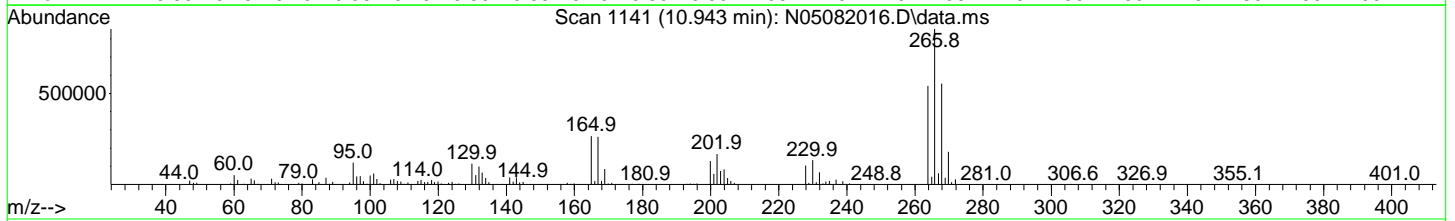
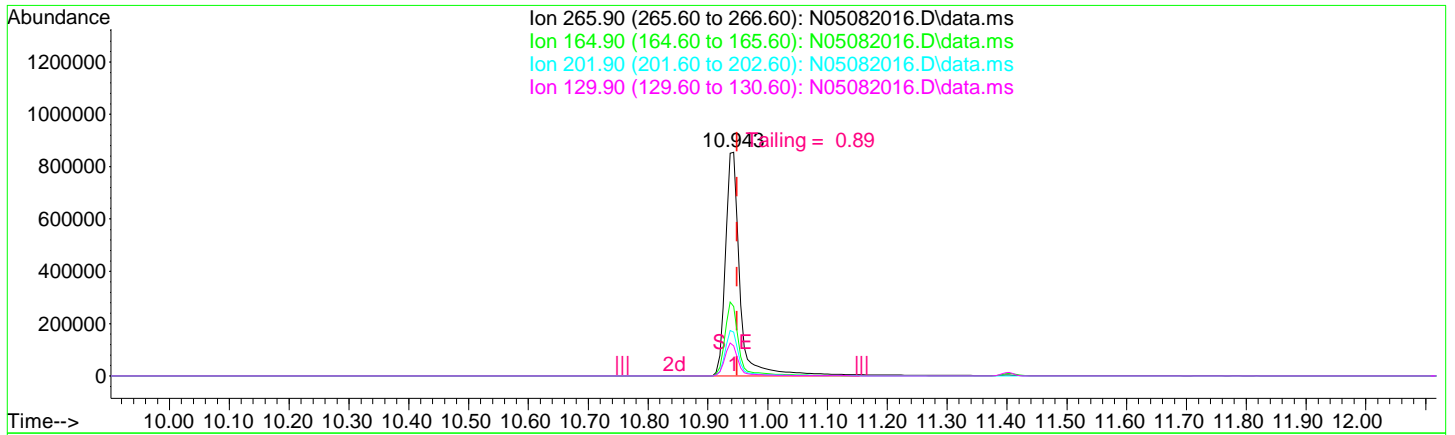
First Column Area Counts	Percent Breakdown		
DDE	271226		
DDD	1965583		
DDT	16654794	11.84	PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082016.D
 Acq On : 08 May 2020 05:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:36:39 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



TIC: N05082016.D\data.ms

(4) Pentachlorophenol

10.943min (-0.006) 49.97 ug/mL

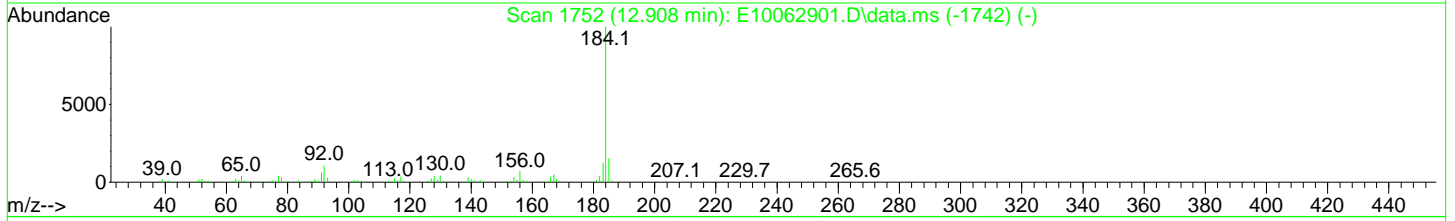
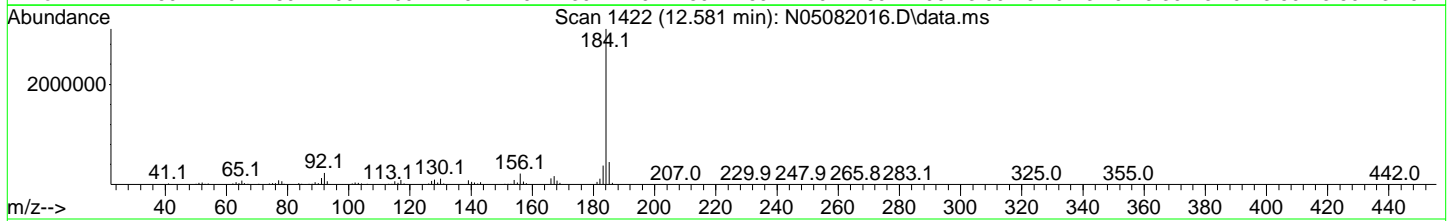
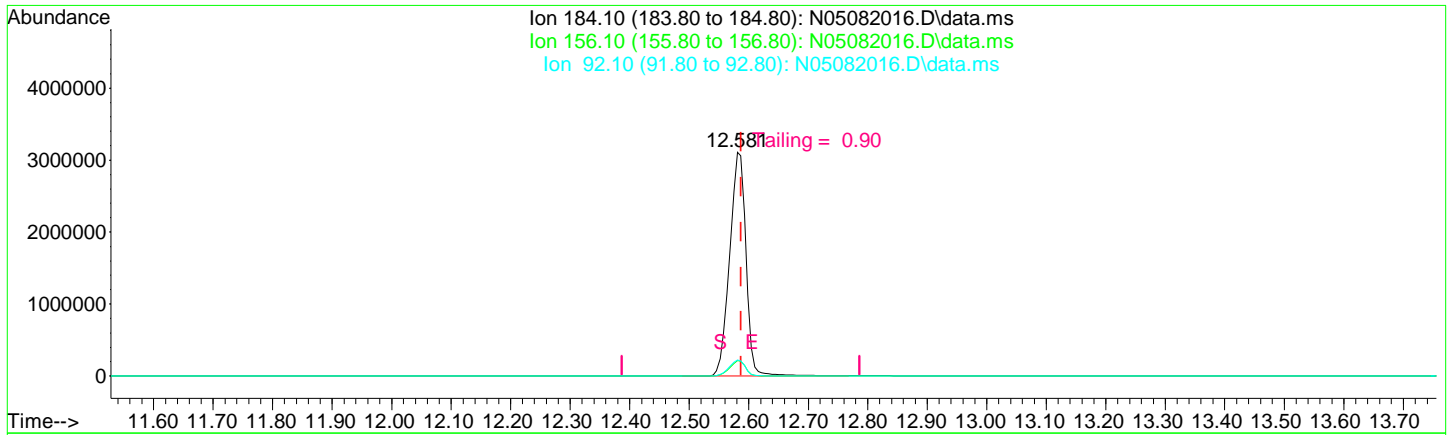
response 1436642

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	31.10
201.90	25.80	19.63
129.90	27.30	13.49

Quantitation Report (Qedit)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082016.D
 Acq On : 08 May 2020 05:13 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:36:39 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



TIC: N05082016.D\data.ms

(7) Benzidine

12.581min (-0.006) 27.09 ug/mL

response 5923288

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.86
92.10	8.20	7.23
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082017.D
 Acq On : 08 May 2020 05:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

AMS 5/11/20

Quant Time: May 11 10:38:56 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	106	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	45.662	8.7	100	0.00
3 T	Decalin	50.000	43.821	12.4	99	0.00
4 T	Naphthalene	50.000	47.431	5.1	103	0.00
5 T	2-Methylnaphthalene	50.000	51.975	-4.0	109	0.00
6 T	1-Methylnaphthalene	50.000	49.281	1.4	103	0.00
7 T	1,1'-Biphenyl	50.000	52.108	-4.2	111	0.00
8 T	2,6-Dimethylnaphthalene	50.000	53.990	-8.0	114	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	107	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	52.432	-4.9	113	0.00
11 T	Acenaphthylene	50.000	51.039	-2.1	106	0.00
12 T	Acenaphthene	50.000	48.838	2.3	105	0.00
13 T	Dibenzofuran	50.000	54.411	-8.8	117	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	53.628	-7.3	116	0.00
15 T	Fluorene	50.000	52.574	-5.1	115	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	116	0.00
17 T	Dibenzothiopene	50.000	49.795	0.4	114	0.00
18 T	Phenanthrene	50.000	45.913	8.2	108	0.00
19 T	Anthracene	50.000	53.298	-6.6	122	0.00
20 T	Carbazole	50.000	46.781	6.4	103	0.00
21 T	1-Methylphenanthrene	50.000	50.798	-1.6	115	0.00
22 T	Fluoranthene	50.000	47.965	4.1	110	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	88	0.00
24 T	Pyrene	50.000	57.351	-14.7	106	0.00
25 S	Terphenyl-d14 (Surr)	50.000	56.853	-13.7	100	0.00
26 T	Benz(a)anthracene	50.000	50.700	-1.4	93	0.01
27 T	Chrysene	50.000	47.497	5.0	84	0.00
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	82	0.00
29 T	Benzo(b)fluoranthene	50.000	53.812	-7.6	92	0.00
30 T	Benzo(k)fluoranthene	50.000	50.918	-1.8	84	0.00

Evaluate Continuing Calibration Report

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082017.D
 Acq On : 08 May 2020 05:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 10:38:56 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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)
31 T	Benzo(b+k)fluoranthene	100.000	103.385	-3.4	86	-0.06
32 T	Benzo(e)pyrene	50.000	49.327	1.3	84	0.00
33 T	Benzo(a)pyrene	50.000	55.956	-11.9	87	0.00
34 T	Perylene	50.000	51.228	-2.5	78	0.01
35 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	87	0.01
36 T	Indeno(1,2,3-cd)Pyrene	50.000	50.673	-1.3	90	0.01
37 T	Dibenz(a,h)anthracene	50.000	51.742	-3.5	91	0.01
38 T	Benzo(g,h,i)perylene	50.000	49.526	0.9	85	0.01

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082017.D
 Acq On : 08 May 2020 05:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 10:38:56 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	279808	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	157451	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	280523	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.948	240	210190	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.427	264	191734	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthrcene-d...	20.817	292	166702	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.190	82	39913	45.66	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	127811	52.43	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	115463	56.85	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	9804	43.82	ng/ml		85
4) Naphthalene	7.912	128	144551	47.43	ng/ml		100
5) 2-Methylnaphthalene	8.594	142	106357	51.97	ng/ml		96
6) 1-Methylnaphthalene	8.693	142	100129	49.28	ng/ml		96
7) 1,1'-Biphenyl	9.061	154	134397	52.11	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.218	156	95529	53.99	ng/ml		97
11) Acenaphthylene	9.504	152	149848	51.04	ng/ml		99
12) Acenaphthene	9.678	153	105184	48.84	ng/ml		99
13) Dibenzofuran	9.853	168	141839	54.41	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	10.063	170	90507	53.63	ng/ml		99
15) Fluorene	10.203	166	108872	52.57	ng/ml		99
17) Dibenzothiopene	11.054	184	141163	49.79	ng/ml		93
18) Phenanthrene	11.182	178	148252	45.91	ng/ml		99
19) Anthracene	11.235	178	140944	53.30	ng/ml		98
20) Carbazole	11.398	167	106801	46.78	ng/ml		98
21) 1-Methylphenanthrene	11.806	192	110609	50.80	ng/ml		98
22) Fluoranthene	12.453	202	152641	47.97	ng/ml		95
24) Pyrene	12.744	202	156353	57.35	ng/ml		99
26) Benz(a)anthracene	14.930	228	110512	50.70	ng/ml		100
27) Chrysene	15.012	228	106480	47.50	ng/ml		99
29) Benzo(b)fluoranthene	17.518	252	106661	53.81	ng/ml		91
30) Benzo(k)fluoranthene	17.582	252	100611	50.92	ng/ml		90
31) Benzo(b+k)fluoranthene	17.518	252	215481	103.38	ng/ml		89
32) Benzo(e)pyrene	18.171	252	102231	49.33	ng/ml		97

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082017.D
 Acq On : 08 May 2020 05:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 10:38:56 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

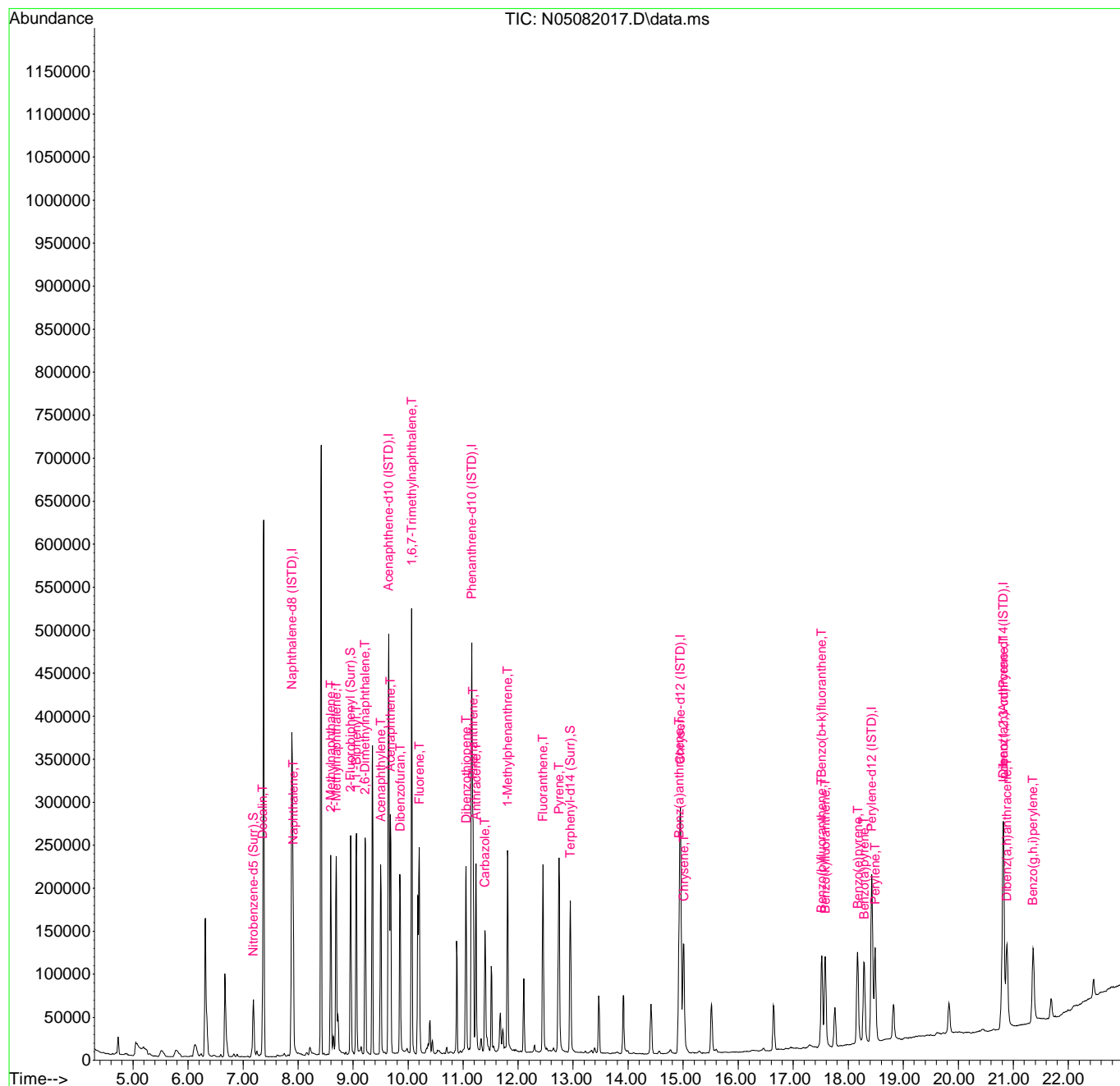
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.287	252	89025	55.96	ng/ml	95
34) Perylene	18.491	252	109325	51.23	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.823	276	91761	50.67	ng/ml	76
37) Dibenz(a,h)anthracene	20.887	278	94481	51.74	ng/ml	79
38) Benzo(g,h,i)perylene	21.359	276	96204	49.53	ng/ml	76

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082017.D
 Acq On : 08 May 2020 05:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 10:38:56 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082018.D
 Acq On : 08 May 2020 06:26 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

AMS 5/11/20

Quant Time: May 11 10:39:22 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	253430	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	143650	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	244806	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	157133	100.00	ng/ml	0.01	
28) Perylene-d12 (ISTD)	18.433	264	138777	100.00	ng/ml	0.01	
35) Dibenz(a,h)Anthrcene-d...	20.823	292	117572	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.160	82	80	0.10	ng/ml	-0.03	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
25) Terphenyl-d14 (Surr)	12.954	244	155	0.10	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.918	128	659		N.D.		
5) 2-Methylnaphthalene	8.600	142	152		N.D.		
6) 1-Methylnaphthalene	8.699	142	100		N.D.		
7) 1,1'-Biphenyl	9.061	154	239		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.504	152	178		N.D.		
12) Acenaphthene	9.684	153	90		N.D.		
13) Dibenzofuran	9.859	168	95		N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
15) Fluorene	10.209	166	140		N.D.		
17) Dibenzothiopene	11.060	184	67		N.D.		
18) Phenanthrene	11.182	178	409		N.D.		
19) Anthracene	11.235	178	114		N.D.		
20) Carbazole	11.415	167	321		N.D.		
21) 1-Methylphenanthrene	11.812	192	107		N.D.		
22) Fluoranthene	12.465	202	112		N.D.		
24) Pyrene	12.750	202	137		N.D.		
26) Benz(a)anthracene	14.953	228	448		N.D.		
27) Chrysene	15.006	228	59		N.D.		
29) Benzo(b)fluoranthene	0.000		0		N.D.		
30) Benzo(k)fluoranthene	17.594	252	62		N.D.		
31) Benzo(b+k)fluoranthene	17.594	252	62		N.D.		
32) Benzo(e)pyrene	18.171	252	56		N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082018.D
 Acq On : 08 May 2020 06:26 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E08046-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 10:39:22 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

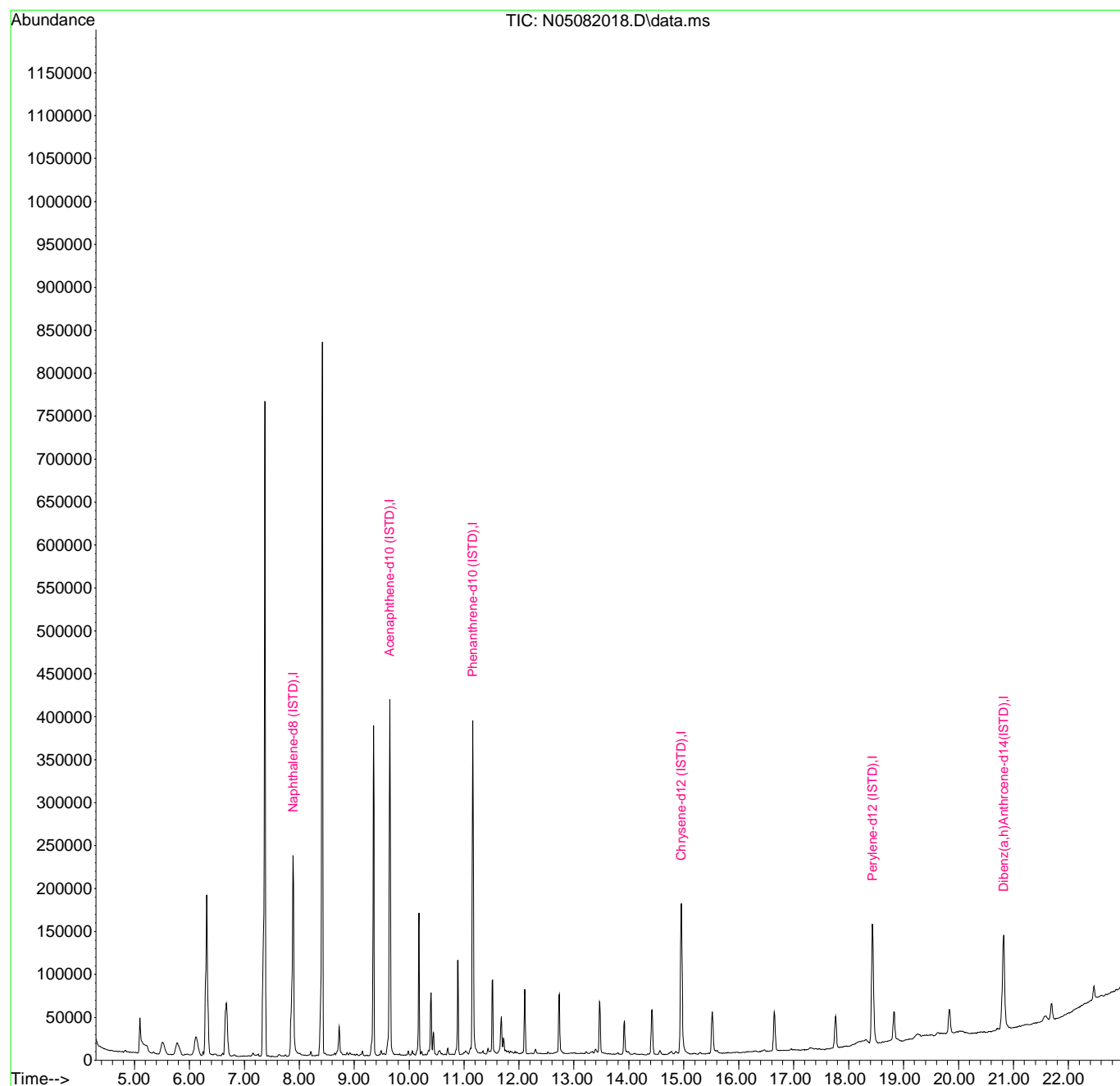
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.293	252	85			N.D.
34) Perylene	18.491	252	80			N.D.
36) Indeno(1,2,3-cd)Pyrene	20.823	276	159			N.D.
37) Dibenz(a,h)anthracene	20.893	278	112			N.D.
38) Benzo(g,h,i)perylene	21.371	276	68			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
Data File : N05082018.D
Acq On : 08 May 2020 06:26 pm
Operator : JK/ AMS/ DTH
Sample : 0E08046-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 10:39:22 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082019.D
 Acq On : 08 May 2020 07:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

AMS 5/11/20

Quant Time: May 11 10:39:44 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	252398	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.644	162	143115	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	247726	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.948	240	179660	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.427	264	159538	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthrcene-d...	20.817	292	131982	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.190	82	60140	76.27	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	195659	88.31	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	201104	115.85	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.907	128	5958	2.17	ng/ml		99
5) 2-Methylnaphthalene	8.594	142	1050	0.57	ng/ml		97
6) 1-Methylnaphthalene	8.693	142	657	N.D.			
7) 1,1'-Biphenyl	9.055	154	1880	0.81	ng/ml		77
8) 2,6-Dimethylnaphthalene	9.224	156	675	0.42	ng/ml		87
11) Acenaphthylene	9.504	152	518	N.D.			
12) Acenaphthene	9.679	153	766	N.D.			
13) Dibenzofuran	9.853	168	331	N.D.			
14) 1,6,7-Trimethylnaphtha...	10.063	170	309	N.D.			
15) Fluorene	10.203	166	555	N.D.			
17) Dibenzothiopene	11.054	184	617	N.D.			
18) Phenanthrene	11.182	178	5811	2.04	ng/ml		98
19) Anthracene	11.235	178	1042	0.45	ng/ml		92
20) Carbazole	11.404	167	399	N.D.			
21) 1-Methylphenanthrene	11.806	192	660	N.D.			
22) Fluoranthene	12.453	202	4645	1.65	ng/ml		99
24) Pyrene	12.744	202	5186	2.23	ng/ml		97
26) Benz(a)anthracene	14.930	228	1493	0.80	ng/ml		68
27) Chrysene	15.006	228	1353	0.71	ng/ml		88
29) Benzo(b)fluoranthene	17.524	252	1259	0.76	ng/ml		90
30) Benzo(k)fluoranthene	17.588	252	470	N.D.			
31) Benzo(b+k)fluoranthene	17.524	252	1788	1.03	ng/ml		90
32) Benzo(e)pyrene	18.165	252	938	0.54	ng/ml#		70

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082019.D
 Acq On : 08 May 2020 07:00 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-BLK1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 10:39:44 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

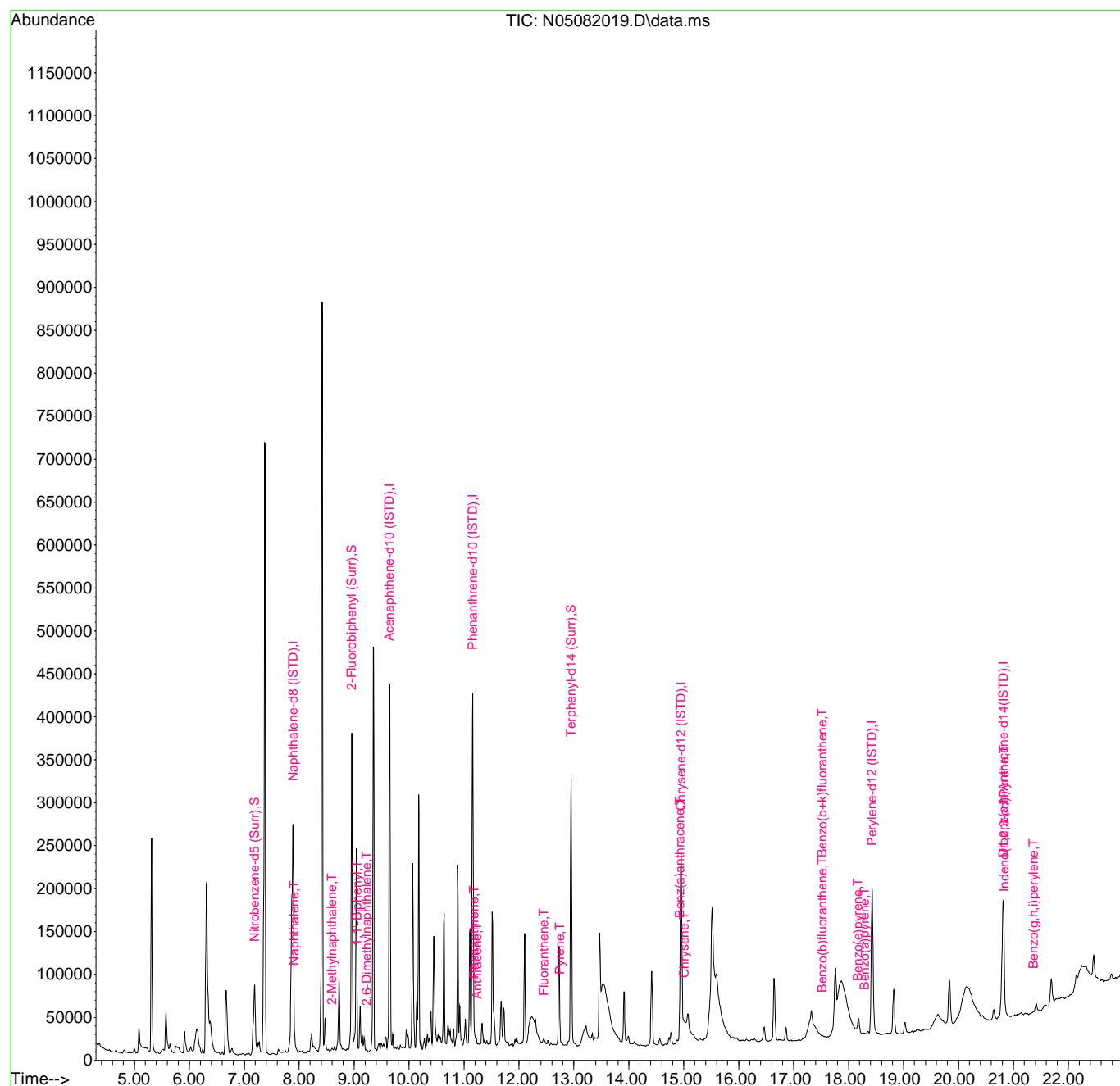
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.287	252	890	1.00	ng/ml	81
34) Perylene	18.491	252	404	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.829	276	1140	0.80	ng/ml	66
37) Dibenz(a,h)anthracene	20.887	278	263	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	1251	0.81	ng/ml	78

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
Data File : N05082019.D
Acq On : 08 May 2020 07:00 pm
Operator : JK/ AMS/ DTH
Sample : 0050335-BLK1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 11 10:39:44 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082020.D
 Acq On : 08 May 2020 07:33 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

AMS 5/11/20

Quant Time: May 11 10:40:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	233482	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	136295	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	248818	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	200924	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.427	264	180929	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthrcene-d...	20.817	292	156479	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.190	82	62085	85.12	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	205012	97.16	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	222568	114.64	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	7262	38.90	ng/ml		85
4) Naphthalene	7.906	128	101201	39.80	ng/ml		99
5) 2-Methylnaphthalene	8.594	142	72054	42.20	ng/ml		96
6) 1-Methylnaphthalene	8.693	142	69409	40.94	ng/ml		97
7) 1,1'-Biphenyl	9.061	154	93405	43.40	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.218	156	66725	45.19	ng/ml		96
11) Acenaphthylene	9.504	152	105717	41.60	ng/ml		99
12) Acenaphthene	9.678	153	72179	38.72	ng/ml		98
13) Dibenzofuran	9.853	168	96040	42.56	ng/ml		92
14) 1,6,7-Trimethylnaphtha...	10.063	170	62290	42.64	ng/ml		98
15) Fluorene	10.203	166	76978	42.94	ng/ml		100
17) Dibenzothiopene	11.054	184	98809	39.30	ng/ml		93
18) Phenanthrene	11.182	178	107403	37.50	ng/ml		99
19) Anthracene	11.235	178	98524	42.00	ng/ml		98
20) Carbazole	11.398	167	78880	38.95	ng/ml		98
21) 1-Methylphenanthrene	11.806	192	81365	42.13	ng/ml		98
22) Fluoranthene	12.453	202	116963	41.44	ng/ml		94
24) Pyrene	12.744	202	118323	45.40	ng/ml		99
26) Benz(a)anthracene	14.924	228	84534	40.57	ng/ml		99
27) Chrysene	15.006	228	84507	39.43	ng/ml		99
29) Benzo(b)fluoranthene	17.518	252	80345	42.96	ng/ml		91
30) Benzo(k)fluoranthene	17.582	252	80615	43.23	ng/ml		90
31) Benzo(b+k)fluoranthene	17.582	252	167504	85.17	ng/ml		90
32) Benzo(e)pyrene	18.171	252	79954	40.88	ng/ml		97

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082020.D
 Acq On : 08 May 2020 07:33 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 11 10:40:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

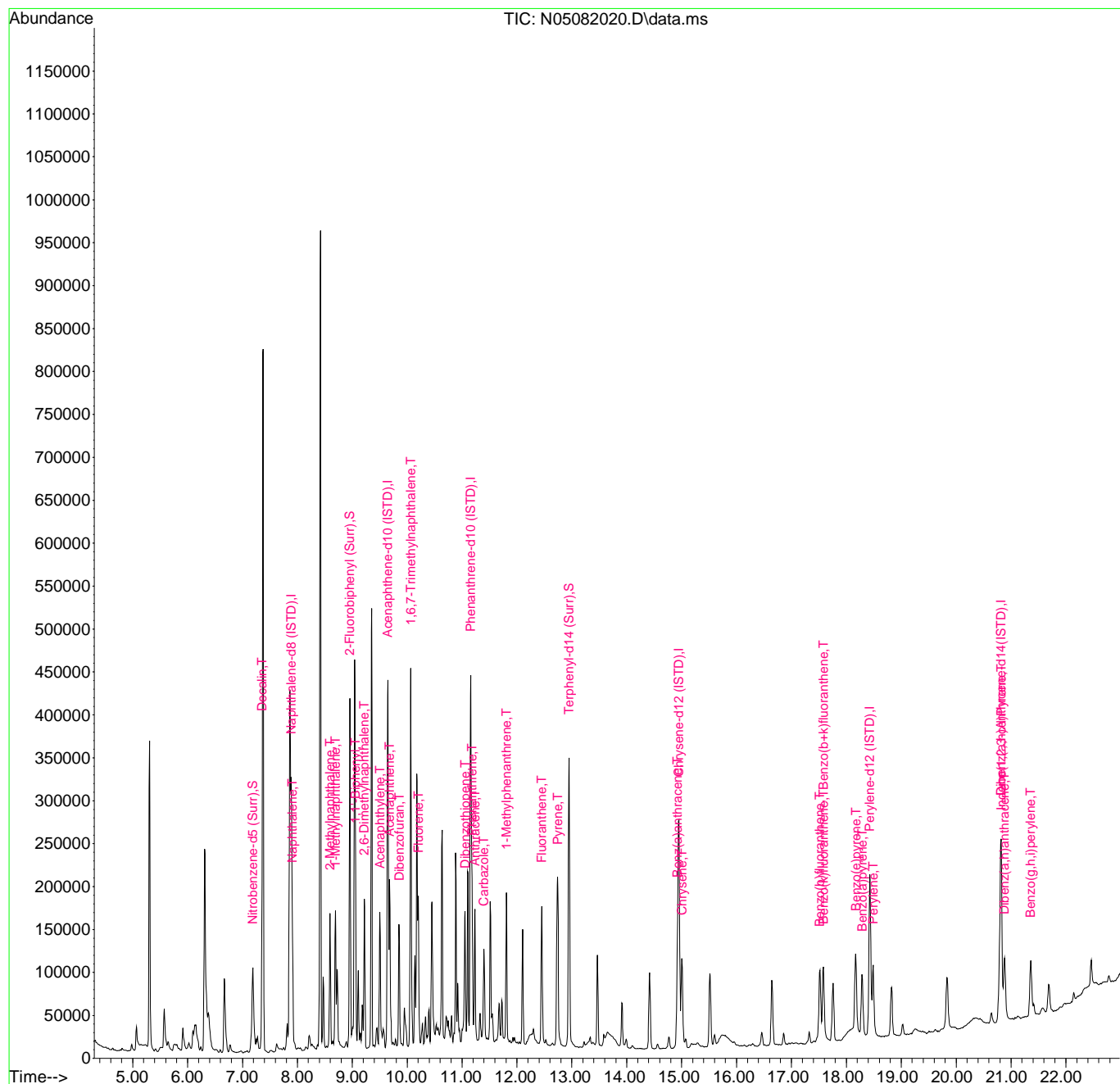
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.287	252	64717	43.42	ng/ml	95
34) Perylene	18.491	252	81128	40.29	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.823	276	68824	40.49	ng/ml	77
37) Dibenz(a,h)anthracene	20.881	278	68043	39.70	ng/ml	79
38) Benzo(g,h,i)perylene	21.359	276	70297	38.55	ng/ml	76

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082020.D
 Acq On : 08 May 2020 07:33 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-BS1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 11 10:40:02 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082021.D
 Acq On : 08 May 2020 08:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-01@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

AMS 5/11/20

RR1

Quant Time: May 11 10:40:32 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	255609	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	141615	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	266236	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.948	240	253296	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.427	264	251807	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthrcene-d...	20.817	292	227733	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.190	82	5591	7.00	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	18442	8.41	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	21875	8.94	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0	N.D.			
4) Naphthalene	7.912	128	12124	4.35	ng/ml		99
5) 2-Methylnaphthalene	8.594	142	528	N.D.			
6) 1-Methylnaphthalene	8.693	142	654	N.D.			
7) 1,1'-Biphenyl	9.055	154	702	N.D.			
8) 2,6-Dimethylnaphthalene	9.224	156	563	N.D.			
11) Acenaphthylene	9.504	152	372	N.D.			
12) Acenaphthene	9.678	153	693	N.D.			
13) Dibenzofuran	9.853	168	446	N.D.			
14) 1,6,7-Trimethylnaphtha...	10.063	170	243	N.D.			
15) Fluorene	10.203	166	786	0.42	ng/ml		76
17) Dibenzothiopene	11.054	184	396	N.D.			
18) Phenanthrene	11.182	178	1742	0.57	ng/ml		80
19) Anthracene	11.229	178	353	N.D.			
20) Carbazole	11.404	167	336	N.D.			
21) 1-Methylphenanthrene	11.806	192	361	N.D.			
22) Fluoranthene	12.453	202	1157	N.D.			
24) Pyrene	12.744	202	1371	0.42	ng/ml		91
26) Benz(a)anthracene	14.942	228	1067	0.41	ng/ml		76
27) Chrysene	15.000	228	551	N.D.			
29) Benzo(b)fluoranthene	17.524	252	825	N.D.			
30) Benzo(k)fluoranthene	17.524	252	1013	N.D.			
31) Benzo(b+k)fluoranthene	17.524	252	1499	0.55	ng/ml		88
32) Benzo(e)pyrene	18.182	252	895	N.D.			

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082021.D
 Acq On : 08 May 2020 08:07 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-01@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 11 10:40:32 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

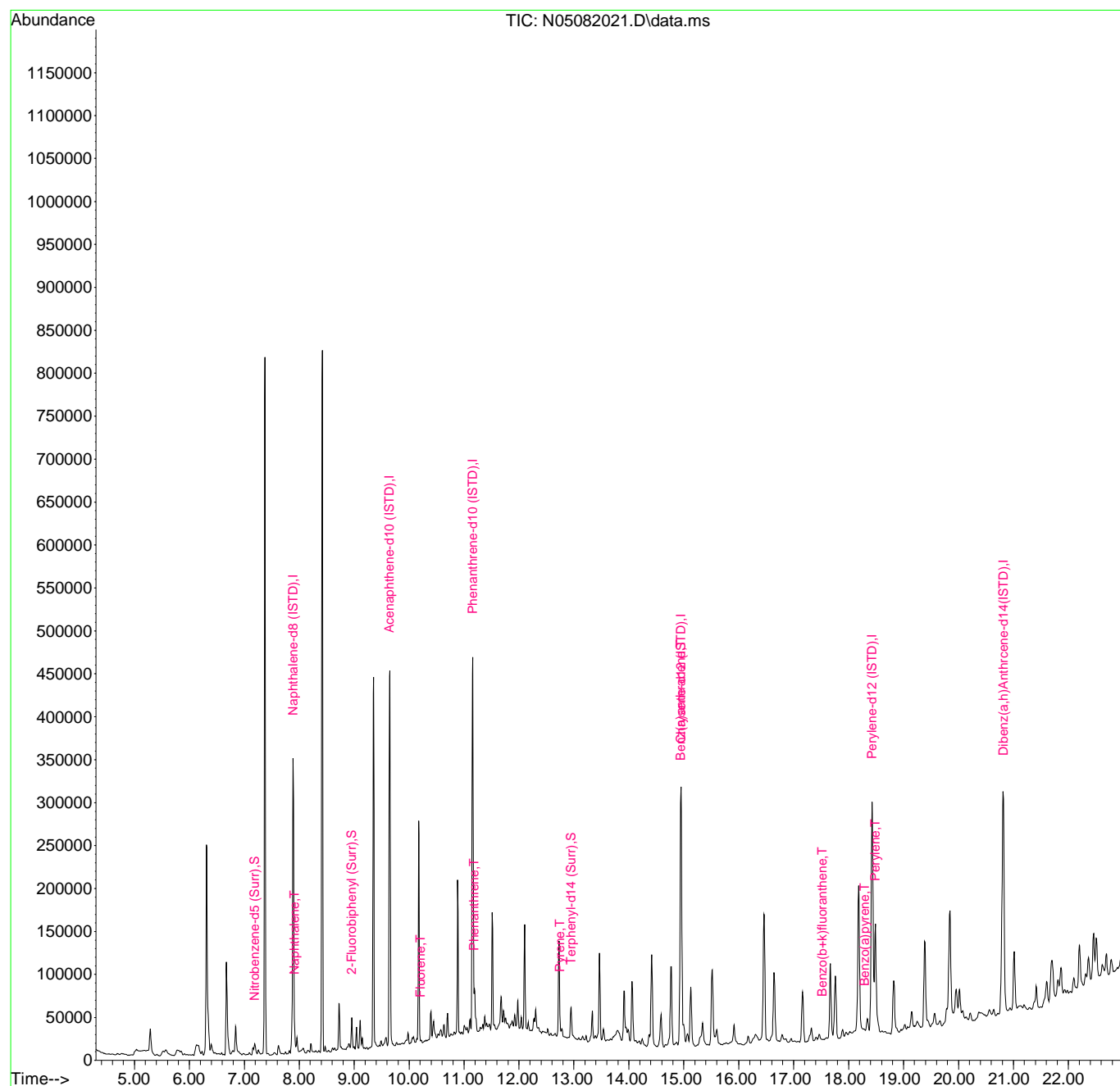
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.287	252	512	0.56	ng/ml#	1
34) Perylene	18.486	252	120218	42.89	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.817	276	521	N.D.		
37) Dibenz(a,h)anthracene	20.881	278	195	N.D.		
38) Benzo(g,h,i)perylene	21.359	276	452	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
Data File : N05082021.D
Acq On : 08 May 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-01@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 11 10:40:32 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 5/11/20

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082022.D
 Acq On : 08 May 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-DUP1@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

RR1

Quant Time: May 11 10:42:36 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	252345	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	144053	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	252101	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.948	240	197786	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.427	264	185533	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthrcene-d...	20.817	292	159492	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.190	82	5425	6.88	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	18102	8.12	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	18545	9.70	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.912	128	10265	3.73	ng/ml		96
5) 2-Methylnaphthalene	8.594	142	1695	0.92	ng/ml		97
6) 1-Methylnaphthalene	8.693	142	1289	0.70	ng/ml		95
7) 1,1'-Biphenyl	9.061	154	748		N.D.		
8) 2,6-Dimethylnaphthalene	9.224	156	1458	0.91	ng/ml		92
11) Acenaphthylene	9.504	152	633		N.D.		
12) Acenaphthene	9.678	153	890	0.45	ng/ml		93
13) Dibenzofuran	9.853	168	374		N.D.		
14) 1,6,7-Trimethylnaphtha...	10.063	170	568		N.D.		
15) Fluorene	10.203	166	366		N.D.		
17) Dibenzothiopene	11.054	184	366		N.D.		
18) Phenanthrene	11.182	178	1714	0.59	ng/ml		88
19) Anthracene	11.235	178	284		N.D.		
20) Carbazole	11.404	167	234		N.D.		
21) 1-Methylphenanthrene	11.788	192	231		N.D.		
22) Fluoranthene	12.453	202	1116		N.D.		
24) Pyrene	12.744	202	1316	0.51	ng/ml		90
26) Benz(a)anthracene	14.936	228	839	0.41	ng/ml		73
27) Chrysene	15.006	228	508		N.D.		
29) Benzo(b)fluoranthene	17.524	252	598		N.D.		
30) Benzo(k)fluoranthene	17.524	252	777	0.41	ng/ml		80
31) Benzo(b+k)fluoranthene	17.524	252	800		N.D.		
32) Benzo(e)pyrene	18.177	252	851	0.42	ng/ml#		1

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082022.D
 Acq On : 08 May 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-DUP1@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 11 10:42:36 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

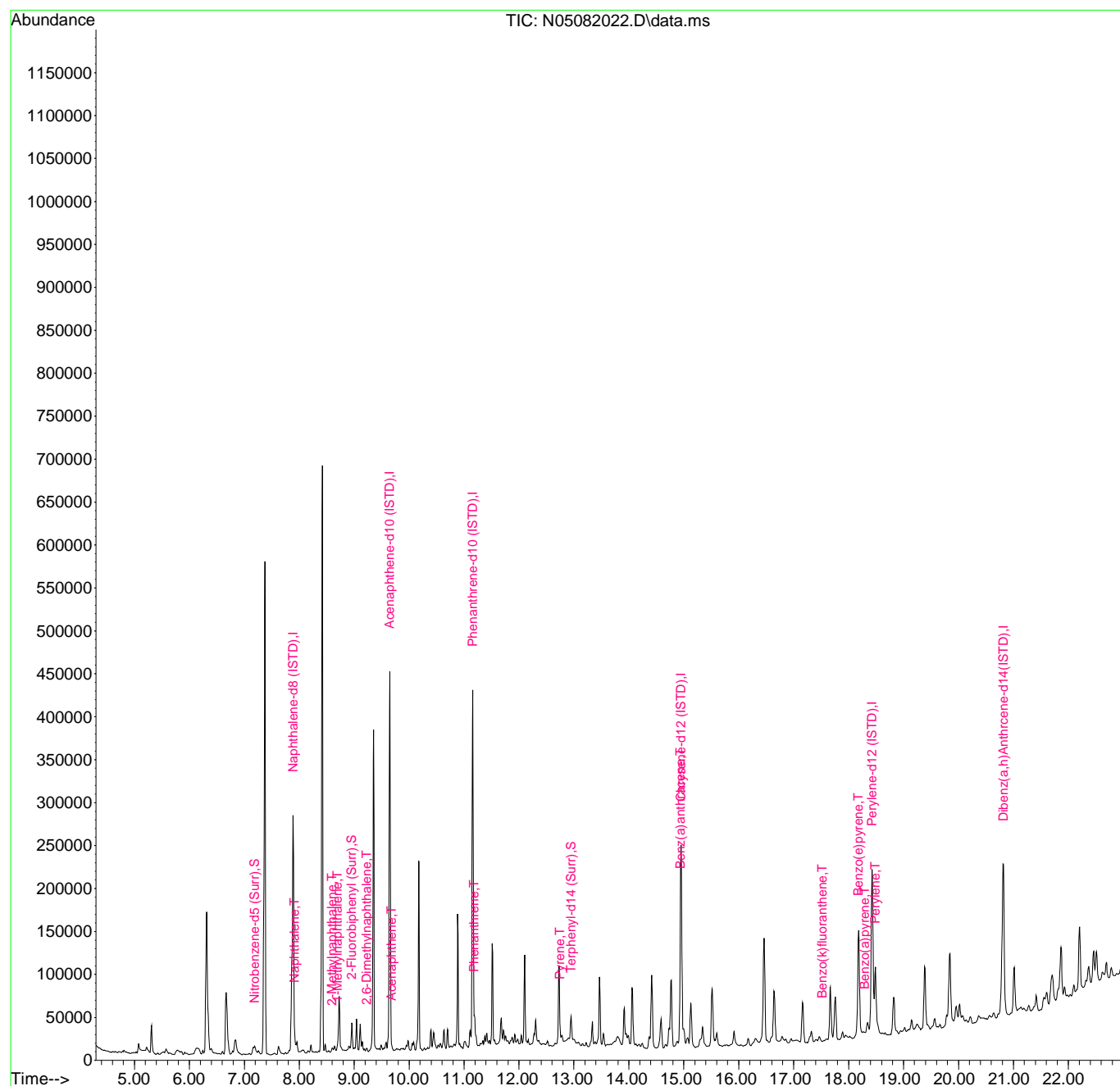
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.293	252	344	0.54	ng/ml#	33
34) Perylene	18.486	252	72782	35.24	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.829	276	553	N.D.		
37) Dibenz(a,h)anthracene	20.805	278	134	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	503	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082022.D
 Acq On : 08 May 2020 08:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-DUP1@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 11 10:42:36 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082023.D
 Acq On : 08 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-12@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

AMS 5/11/20

R04

Quant Time: May 11 10:42:55 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.889	136	263164	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	152596	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	290614	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	283130	100.00	ng/ml	0.01
28) Perylene-d12 (ISTD)	18.439	264	276234	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.829	292	243389	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.190	82	15979	19.44	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	50507	21.38	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	64403	23.54	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.318	138	110	0.52	ng/ml#	1
4) Naphthalene	7.912	128	7812	2.73	ng/ml	95
5) 2-Methylnaphthalene	8.594	142	2443	1.27	ng/ml	93
6) 1-Methylnaphthalene	8.699	142	1588	0.83	ng/ml	90
7) 1,1'-Biphenyl	9.061	154	2049	0.84	ng/ml	93
8) 2,6-Dimethylnaphthalene	9.224	156	1222	0.73	ng/ml	98
11) Acenaphthylene	9.504	152	413	N.D.		
12) Acenaphthene	9.678	153	990	0.47	ng/ml	85
13) Dibenzofuran	9.853	168	1600	0.63	ng/ml	86
14) 1,6,7-Trimethylnaphtha...	10.063	170	396	N.D.		
15) Fluorene	10.203	166	1113	0.55	ng/ml	86
17) Dibenzothiopene	11.054	184	468	N.D.		
18) Phenanthrene	11.182	178	4507	1.35	ng/ml	92
19) Anthracene	11.235	178	762	N.D.		
20) Carbazole	11.404	167	477	N.D.		
21) 1-Methylphenanthrene	11.806	192	1539	0.68	ng/ml	77
22) Fluoranthene	12.453	202	2193	0.67	ng/ml	93
24) Pyrene	12.744	202	2621	0.71	ng/ml	77
26) Benz(a)anthracene	14.942	228	1319	0.45	ng/ml#	54
27) Chrysene	15.012	228	940	N.D.		
29) Benzo(b)fluoranthene	17.530	252	1103	N.D.		
30) Benzo(k)fluoranthene	17.588	252	350	N.D.		
31) Benzo(b+k)fluoranthene	17.530	252	2374	0.79	ng/ml#	24
32) Benzo(e)pyrene	18.200	252	3755	1.26	ng/ml#	1

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082023.D
 Acq On : 08 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-12@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 11 10:42:55 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

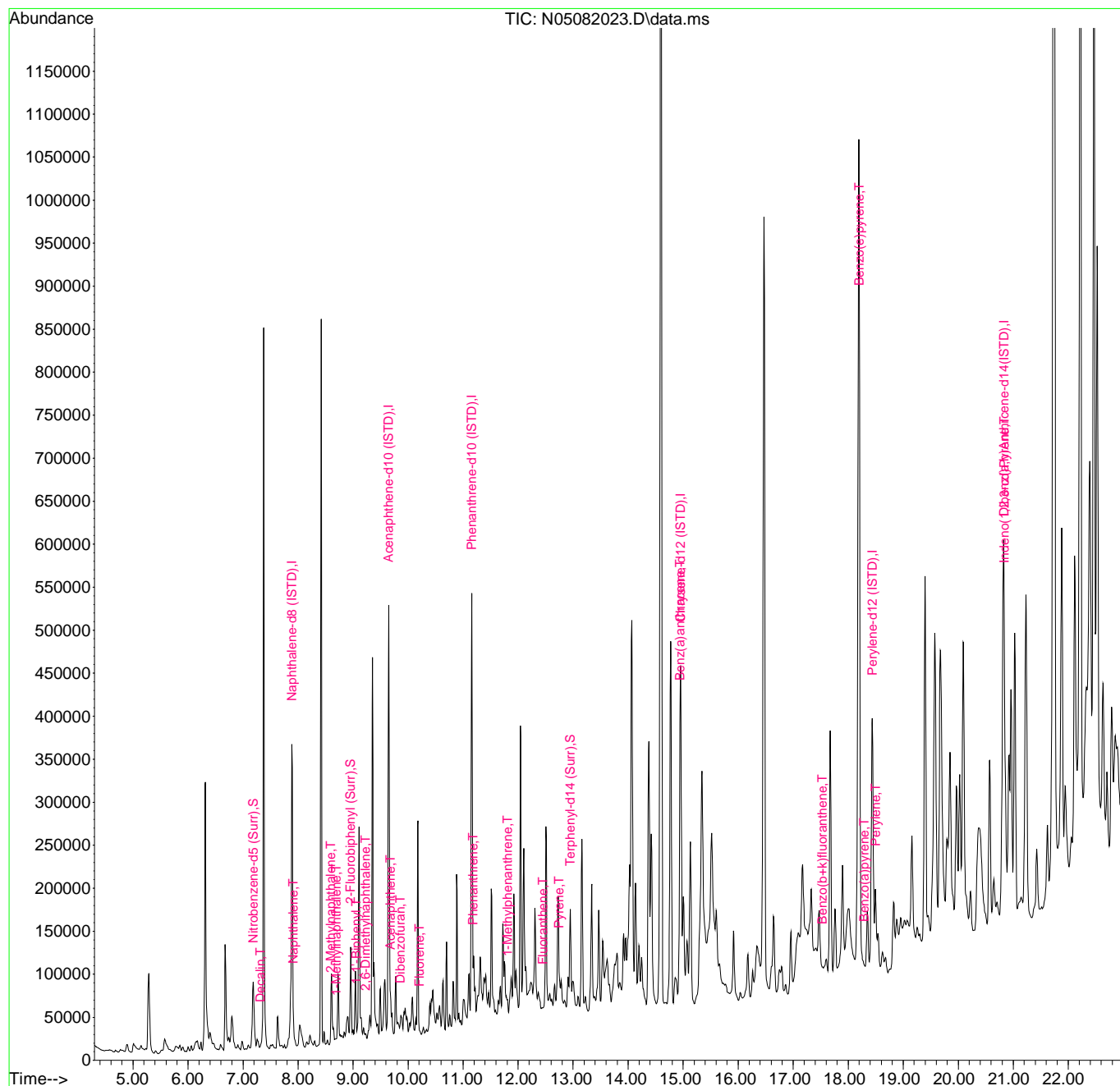
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.293	252	563	0.56	ng/ml#	1
34) Perylene	18.497	252	90572	29.46	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.834	276	1173	0.44	ng/ml#	1
37) Dibenz(a,h)anthracene	20.898	278	298	N.D.		
38) Benzo(g,h,i)perylene	21.376	276	851	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
Data File : N05082023.D
Acq On : 08 May 2020 09:11 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-12@4
Misc : 4x, 8270D LL PAH ONLY
ALS Vial : 8 Sample Multiplier: 1

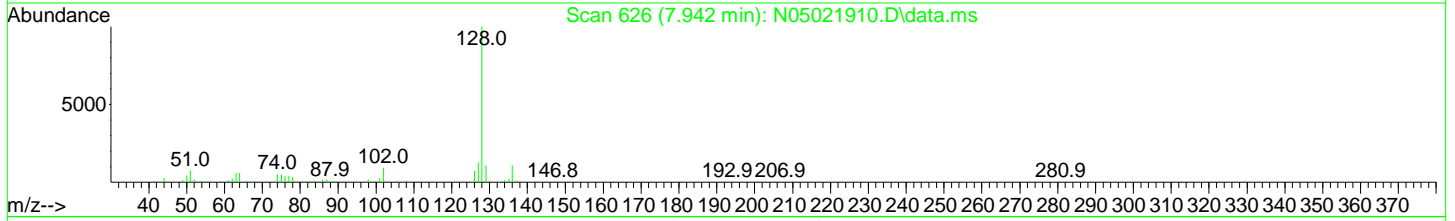
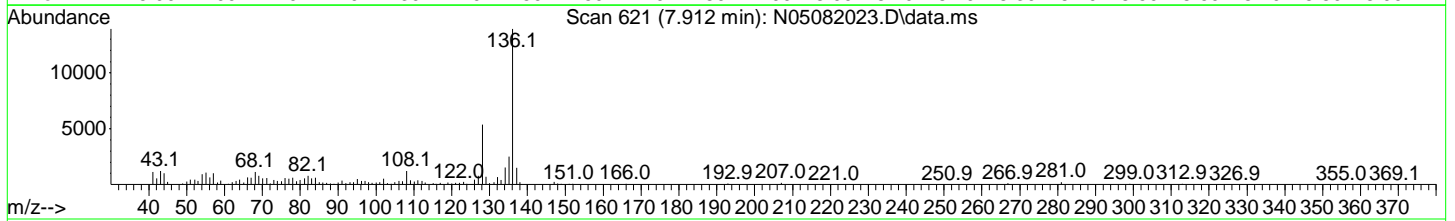
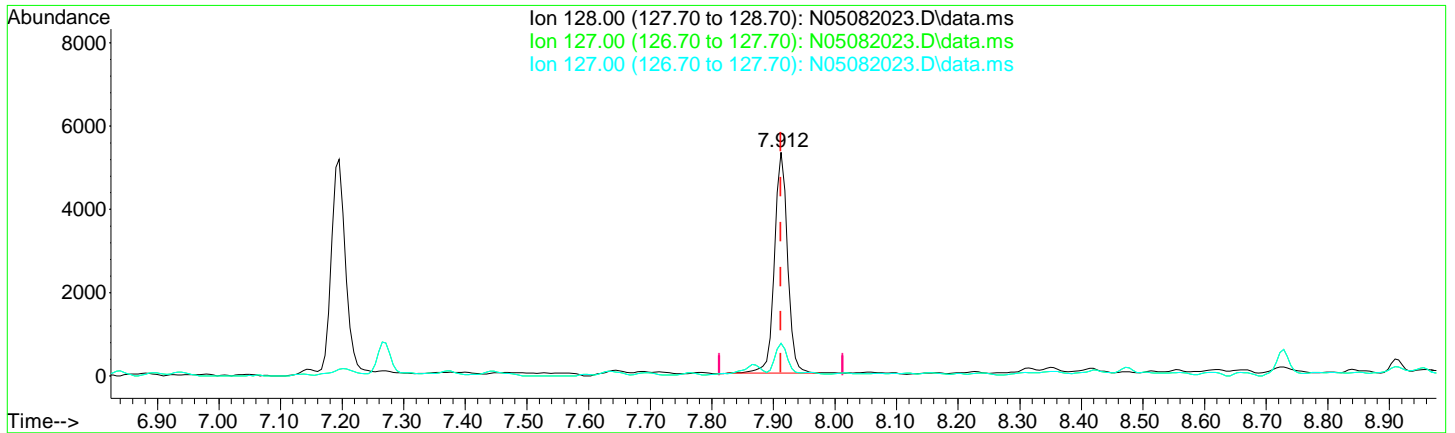
Quant Time: May 11 10:42:55 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082023.D
 Acq On : 08 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-12@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 11 10:42:55 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05082023.D\data.ms

(4) Naphthalene (T)

7.912min (+ 0.000) 2.73 ng/ml

response	7812	
Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	14.61
127.00	12.60	14.61
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082024.D
 Acq On : 08 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-MS1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

AMS 5/11/20

Quant Time: May 11 10:43:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	243465	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	147446	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	271023	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	239767	100.00	ng/ml	0.01	
28) Perylene-d12 (ISTD)	18.439	264	222010	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthrcene-d...	20.834	292	187164	100.00	ng/ml	0.03	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.195	82	14998	19.72	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.962	172	47732	20.91	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	57937	25.01	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	2196	11.28	ng/ml		91
4) Naphthalene	7.912	128	24640	9.29	ng/ml		97
5) 2-Methylnaphthalene	8.600	142	17045	9.57	ng/ml		97
6) 1-Methylnaphthalene	8.699	142	16626	9.40	ng/ml		96
7) 1,1'-Biphenyl	9.061	154	21714	9.68	ng/ml		95
8) 2,6-Dimethylnaphthalene	9.224	156	15559	10.11	ng/ml		96
11) Acenaphthylene	9.509	152	25279	9.19	ng/ml		96
12) Acenaphthene	9.684	153	17893	8.87	ng/ml		100
13) Dibenzofuran	9.853	168	22999	9.42	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	10.063	170	15502	9.81	ng/ml		97
15) Fluorene	10.203	166	19181	9.89	ng/ml		99
17) Dibenzothiopene	11.054	184	24754	9.04	ng/ml		95
18) Phenanthrene	11.182	178	28930	9.27	ng/ml		97
19) Anthracene	11.235	178	24880	9.74	ng/ml		97
20) Carbazole	11.404	167	19513	8.85	ng/ml		98
21) 1-Methylphenanthrene	11.812	192	21025	9.99	ng/ml		97
22) Fluoranthene	12.453	202	30361	9.87	ng/ml		94
24) Pyrene	12.744	202	31506	10.13	ng/ml		98
26) Benz(a)anthracene	14.930	228	23405	9.41	ng/ml		99
27) Chrysene	15.012	228	23310	9.12	ng/ml		96
29) Benzo(b)fluoranthene	17.524	252	22836	9.95	ng/ml		93
30) Benzo(k)fluoranthene	17.588	252	21354	9.33	ng/ml		90
31) Benzo(b+k)fluoranthene	17.524	252	45713	18.94	ng/ml		91
32) Benzo(e)pyrene	18.177	252	22067	9.20	ng/ml		86

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
 Data File : N05082024.D
 Acq On : 08 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : 0050335-MS1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 11 10:43:23 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

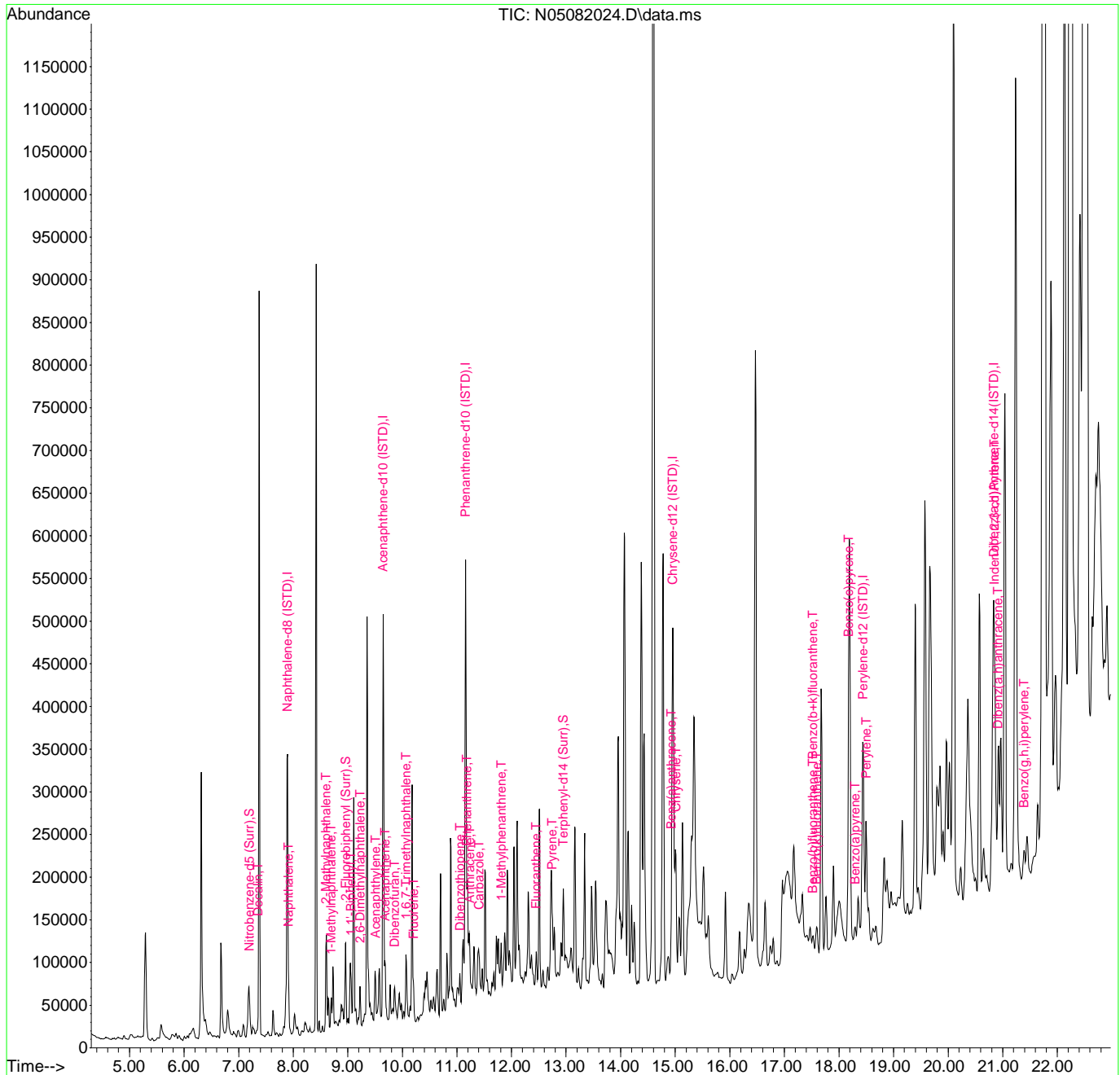
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.299	252	19035	10.80	ng/ml	97
34) Perylene	18.497	252	135171	54.70	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.846	276	18548	9.12	ng/ml	89
37) Dibenz(a,h)anthracene	20.910	278	17550	8.56	ng/ml	92
38) Benzo(g,h,i)perylene	21.388	276	18606	8.53	ng/ml	87

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E08046\
Data File : N05082024.D
Acq On : 08 May 2020 09:43 pm
Operator : JK/ AMS/ DTH
Sample : 0050335-MS1@4
Misc : 4x, 8270D LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 11 10:43:23 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Sequence 0E08047 (A0D0763-08)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E08047**
Date: **05/08/20 18:35**

Instrument: **SV-GCMS14**
Calibration: **A0D0804**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E08047-TUN1	Soil	QC	QC			A20C067	A20D411
2	0E08047-CCV1	Soil	QC	QC			A20C067	A20C472
3	0E08047-CCB1	Soil	QC	QC			A20C067	
4	A0D0553-31	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050066	A20C067	
5	A0D0632-10	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/07/20	0050066	A20C067	
6	A0D0677-57	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
7	A0D0677-58	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
8	A0D0763-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
9	A0D0763-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
10	A0D0763-04	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
11	A0D0763-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
12	A0D0763-06	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
13	A0D0677-35RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
14	A0D0677-46RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
15	A0D0677-47RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
16	A0D0677-48RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
17	A0D0677-50RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
18	A0D0677-51RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
19	A0D0763-08	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
20	A0D0763-09	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
21	A0D0763-10	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
22	A0D0763-11	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
23	A0D0758-09	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050304	A20C067	
24	A0D0758-10	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050304	A20C067	
25	0E08047-IBL1	Soil	QC	QC			A20C067	

Data Entered By: RM 5/11/20

Comments:

Data Reviewed By: [Signature] 5/11/20

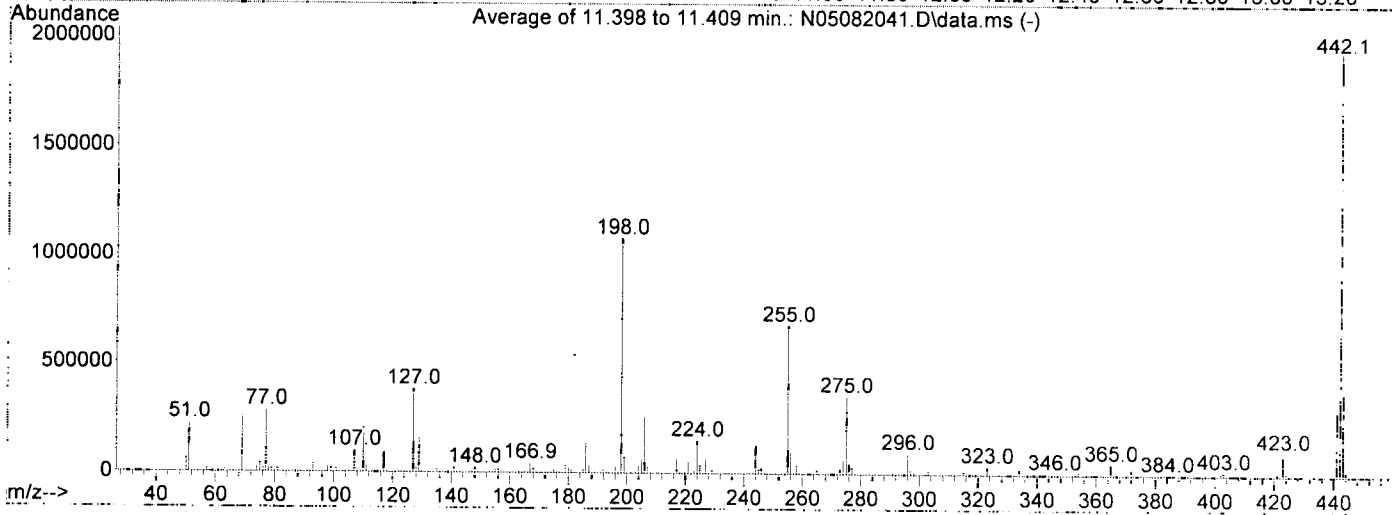
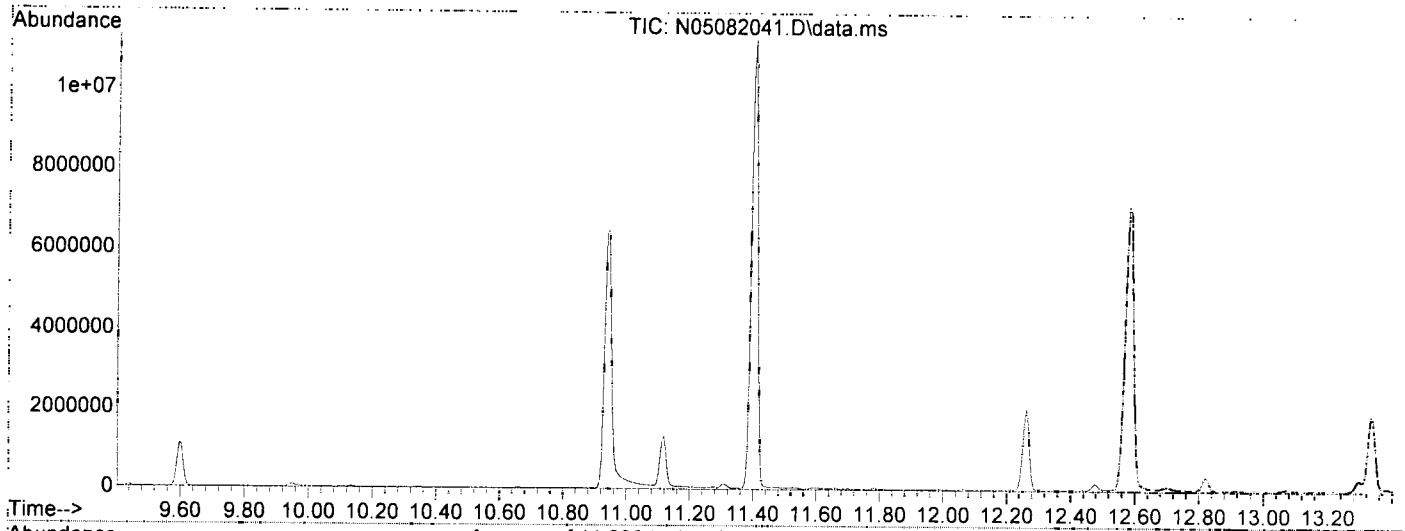
05/25/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 1657 of 2108

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082041.D
 Acq On : 09 May 2020 06:27 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

raw 5/11/20

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



AutoFind: Scans 1219, 1220, 1221; Background Corrected with Scan 1212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	4994	PASS
69	69	100	100	100.0	256082	PASS
70	69	0.00	2	0.5	1392	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1077360	PASS
199	198	5	9	6.7	72717	PASS
365	198	1	100	4.8	51275	PASS
441	443	0.01	150	78.0	292416	PASS
442	198	0.10	200	179.8	1936896	PASS
443	442	15	24	19.4	375040	PASS

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082041.D
 Acq On : 09 May 2020 06:27 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:54:39 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.624	150	273548	2.00	ug/mL	0.00
2) Naphthalene-d8	7.836	136	704562	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.597	162	349851	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.118	188	724573	2.00	ug/mL	0.00
11) Chrysene-d12	14.813	240	632090	2.00	ug/mL	0.00
12) Perylene-d12	16.836	264	618114	2.00	ug/mL	-0.02
13) Dibenz(a,h)anthracene-...	18.072	292	569335	2.00	ug/mL	#-0.02

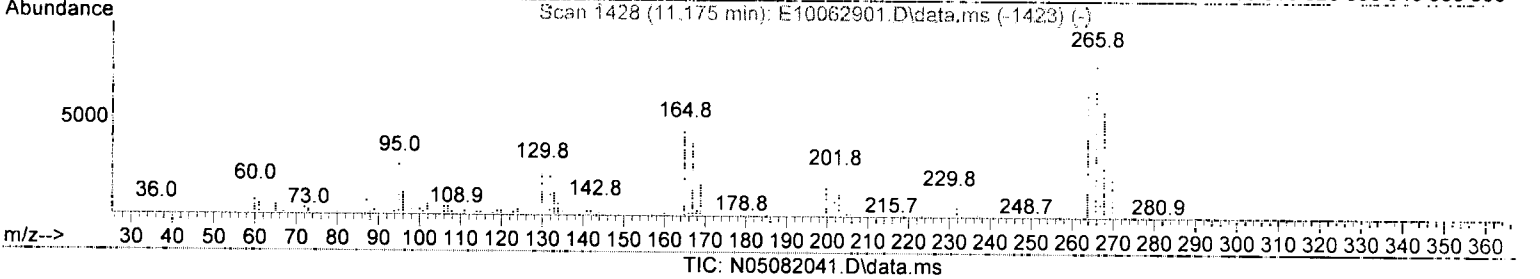
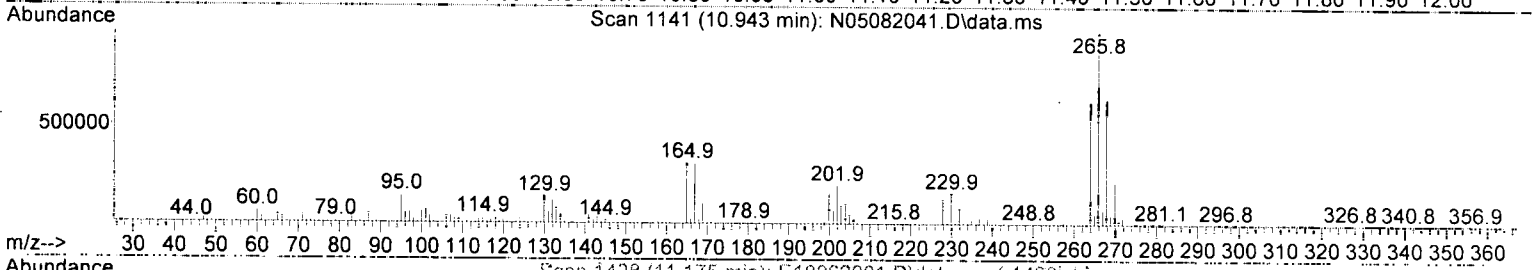
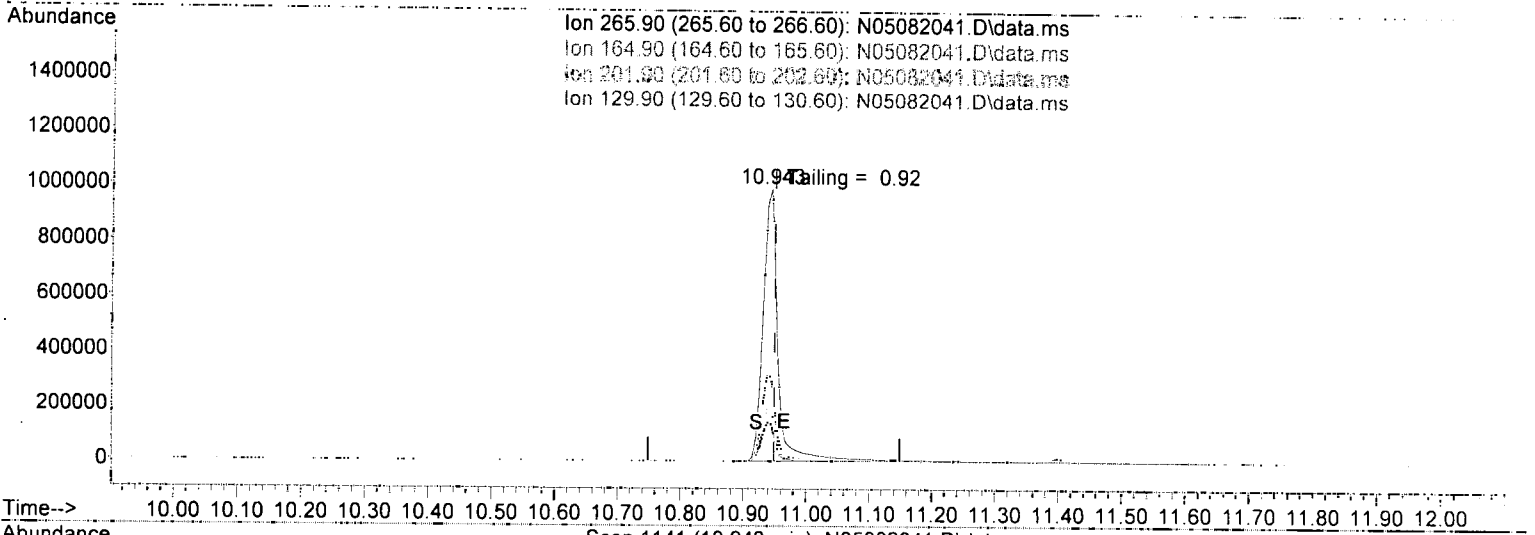
Target Compounds						
4) Pentachlorophenol	10.943	266	1655424	50.11	ug/mL	Qvalue 77
6) DFTPP	11.404	442	2950727	50.44	ug/mL#	60
7) Benzidine	12.581	184	5943942	23.06	ug/mL	96
8) 4,4-DDE	12.820	TIC	501944	No Calib		
9) 4,4-DDD	13.333	TIC	3117117	No Calib		
10) 4,4-DDT	13.892	TIC	18156746	24.44	ug/mL	93

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082041.D
 Acq On : 09 May 2020 06:27 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:54:39 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



(4) Pentachlorophenol

10.943min (-0.006) 50.11 ug/mL

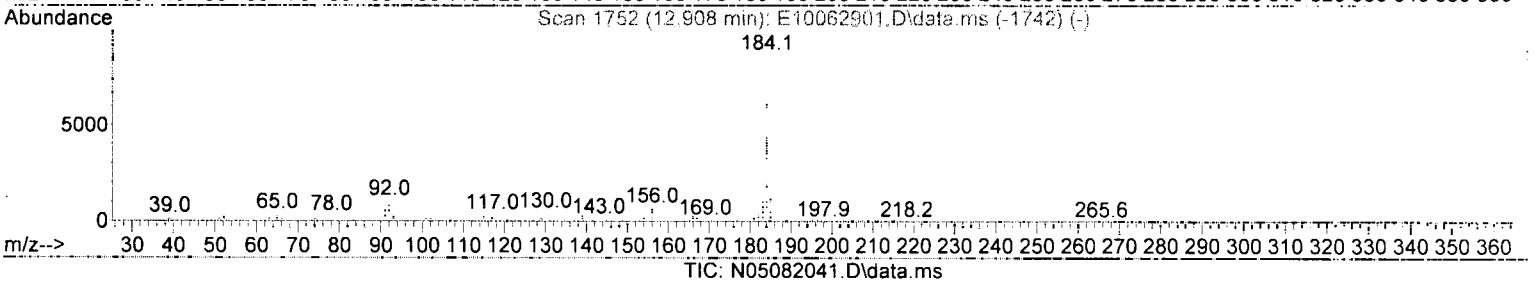
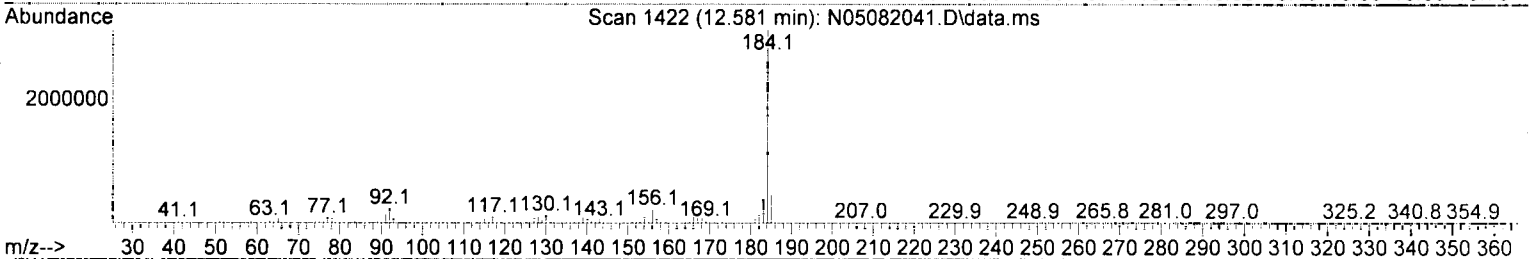
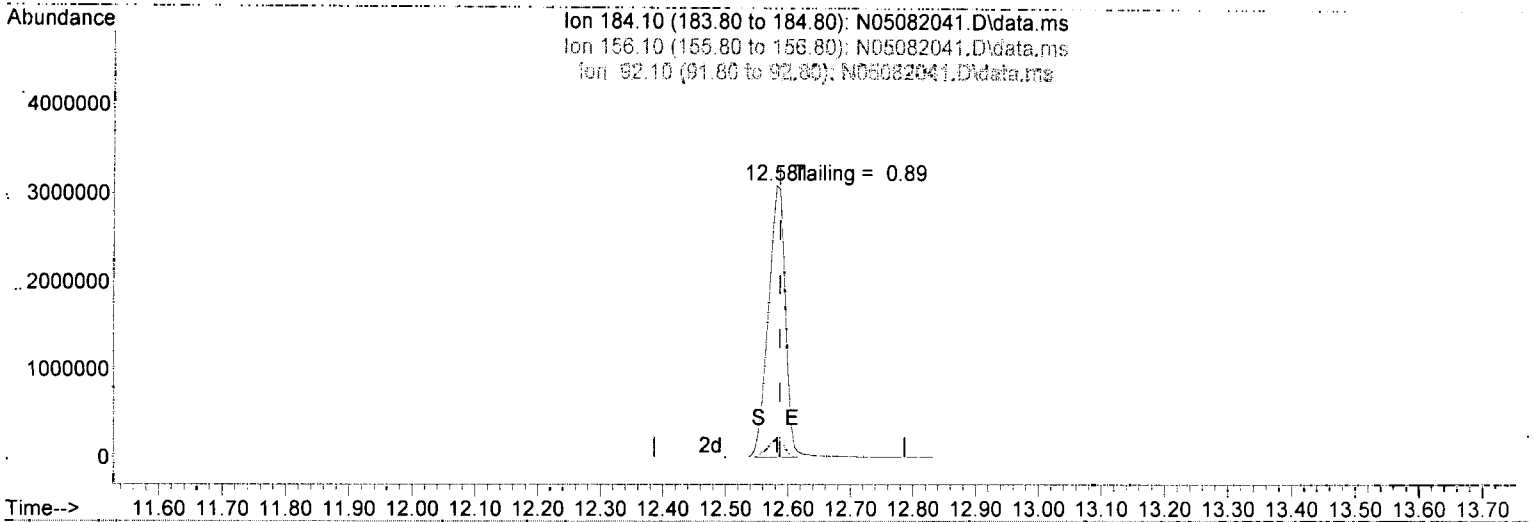
response 1655424

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	31.24
201.90	25.80	19.81
129.90	27.30	13.76

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082041.D
 Acq On : 09 May 2020 06:27 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:54:39 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



(7) Benzidine

12.581min (-0.006) 23.06 ug/mL

response 5943942

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.89
92.10	8.20	7.22
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

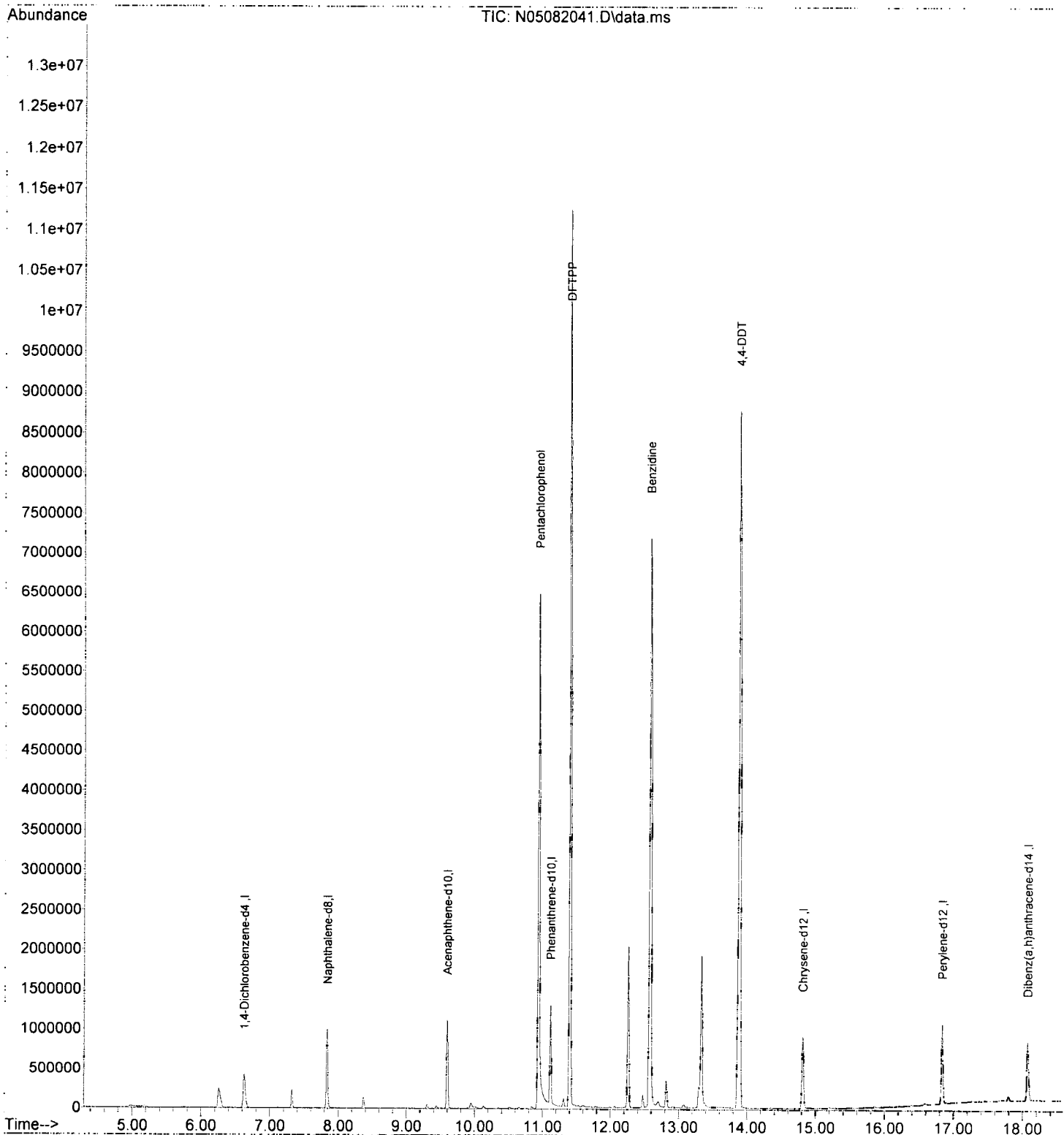
0E08047-TUN1
SV-GCMS

First Column Area Counts	Percent Breakdown
DDE 501944	
DDD 3117117	
DDT 18156746	16.62 PASS

Breakdown must be less than 20% to accept sample data.

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082041.D
 Acq On : 09 May 2020 06:27 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 10:54:39 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082042.D
 Acq On : 09 May 2020 06:54 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

JKM 5/11/20

Quant Time: May 09 07:17:30 2020
 Quant Method : M:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	104	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	46.827	6.3	101	0.00
3 T	Decalin	50.000	39.471	21.1#	88	0.00
4 T	Naphthalene	50.000	48.087	3.8	103	0.00
5 T	2-Methylnaphthalene	50.000	53.166	-6.3	110	0.00
6 T	1-Methylnaphthalene	50.000	50.578	-1.2	105	0.00
7 T	1,1'-Biphenyl	50.000	54.199	-8.4	114	0.00
8 T	2,6-Dimethylnaphthalene	50.000	56.498	-13.0	118	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	110	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	52.486	-5.0	115	0.00
11 T	Acenaphthylene	50.000	51.730	-3.5	110	0.00
12 T	Acenaphthene	50.000	48.940	2.1	107	0.00
13 T	Dibenzofuran	50.000	56.393	-12.8	124	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	54.096	-8.2	120	0.00
15 T	Fluorene	50.000	53.925	-7.8	121	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	130	0.00
17 T	Dibenzothiopene	50.000	49.991	0.0	128	0.00
18 T	Phenanthrene	50.000	46.207	7.6	122	0.00
19 T	Anthracene	50.000	53.838	-7.7	139	0.00
20 T	Carbazole	50.000	49.718	0.6	123	0.00
21 T	1-Methylphenanthrene	50.000	50.656	-1.3	128	0.00
22 T	Fluoranthene	50.000	50.172	-0.3	129	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	113	0.00
24 T	Pyrene	50.000	51.912	-3.8	123	0.00
25 S	Terphenyl-d14 (Surr)	50.000	53.865	-7.7	122	0.00
26 T	Benz(a)anthracene	50.000	50.028	-0.1	118	0.00
27 T	Chrysene	50.000	47.544	4.9	109	0.00
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	109	0.01
29 T	Benzo(b)fluoranthene	50.000	53.216	-6.4	120	0.00
30 T	Benzo(k)fluoranthene	50.000	53.291	-6.6	116	0.00
31 T	Benzo(b+k)fluoranthene	100.000	103.846	-3.8	115	0.00
32 T	Benzo(e)pyrene	50.000	49.660	0.7	112	0.00
33 T	Benzo(a)pyrene	50.000	56.111	-12.2	115	0.01
34 T	Perylene	50.000	51.086	-2.2	103	0.01
35 I	Dibenz(a,h)Anthrcene-d14 (IS	100.000	100.000	0.0	113	0.01
36 T	Indeno(1,2,3-cd)Pyrene	50.000	50.828	-1.7	116	0.02
37 T	Dibenz(a,h)anthracene	50.000	51.399	-2.8	116	0.01
38 T	Benzo(g,h,i)perylene	50.000	50.887	-1.8	112	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082042.D
 Acq On : 09 May 2020 06:54 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 10:59:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

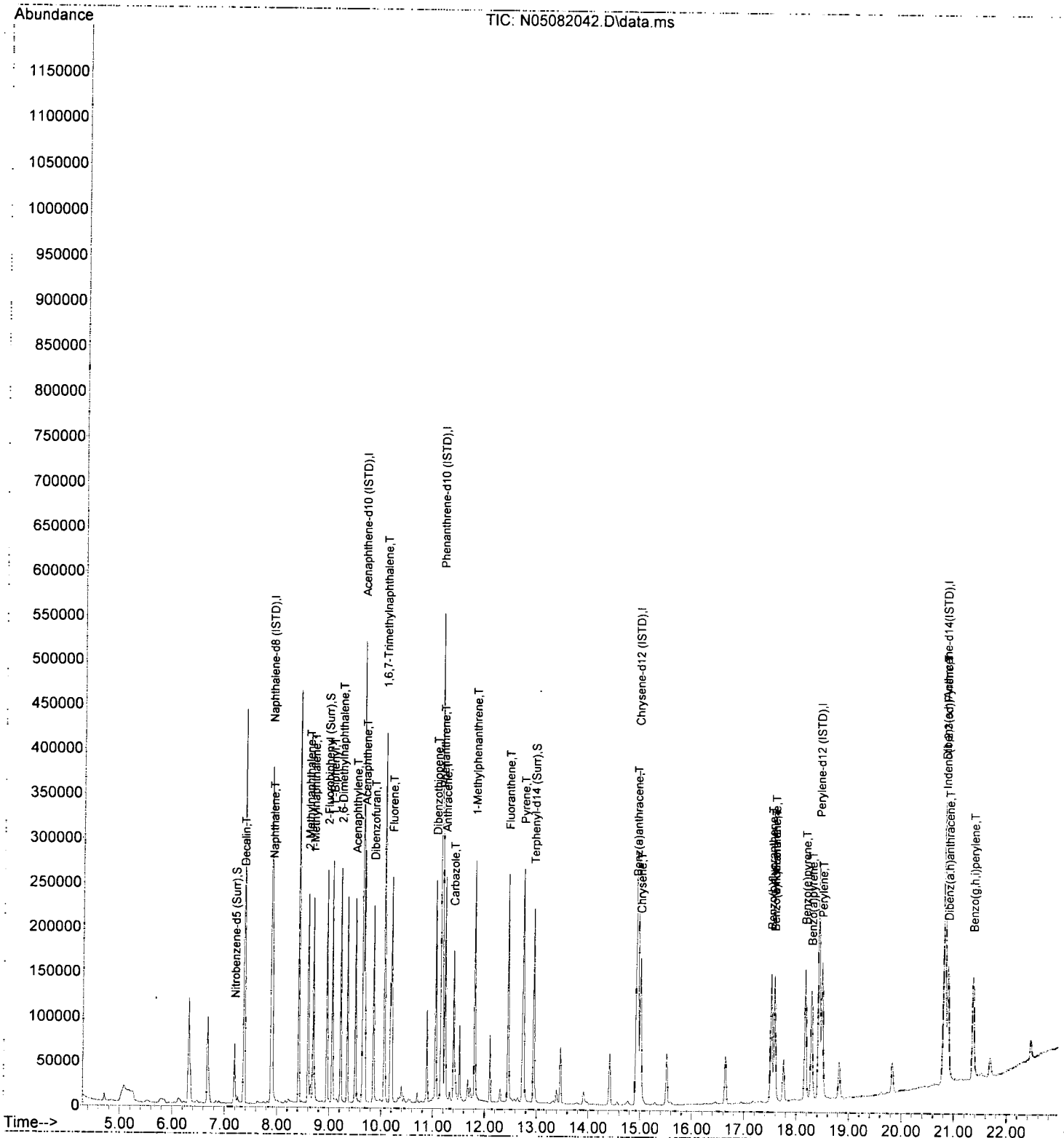
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.889	136	276805	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	160497	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	314776	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	270381	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.433	264	253882	100.00	ng/ml	0.01	
35) Dibenz(a,h)Anthracene-d...	20.817	292	214918	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.195	82	40492	46.83	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	130417	52.49	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	140721	53.86	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	8736	39.47	ng/ml		79
4) Naphthalene	7.912	128	144977	48.09	ng/ml		99
5) 2-Methylnaphthalene	8.594	142	107626	53.17	ng/ml		97
6) 1-Methylnaphthalene	8.693	142	101662	50.58	ng/ml		97
7) 1,1'-Biphenyl	9.060	154	138291	54.20	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.224	156	98893	56.50	ng/ml		96
11) Acenaphthylene	9.503	152	154816	51.73	ng/ml		99
12) Acenaphthene	9.678	153	107443	48.94	ng/ml		99
13) Dibenzofuran	9.853	168	149849	56.39	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	10.063	170	93063	54.10	ng/ml		100
15) Fluorene	10.203	166	113831	53.93	ng/ml		99
17) Dibenzothiopene	11.054	184	159022	49.99	ng/ml		93
18) Phenanthrene	11.182	178	167419	46.21	ng/ml		99
19) Anthracene	11.235	178	159754	53.84	ng/ml		99
20) Carbazole	11.398	167	127366	49.72	ng/ml		98
21) 1-Methylphenanthrene	11.806	192	123768	50.66	ng/ml		98
22) Fluoranthene	12.453	202	179161	50.17	ng/ml		94
24) Pyrene	12.744	202	182055	51.91	ng/ml		99
26) Benz(a)anthracene	14.924	228	140277	50.03	ng/ml		99
27) Chrysene	15.006	228	137107	47.54	ng/ml		99
29) Benzo(b)fluoranthene	17.518	252	139668	53.22	ng/ml		90
30) Benzo(k)fluoranthene	17.582	252	139433	53.29	ng/ml		91
31) Benzo(b+k)fluoranthene	17.582	252	286599	103.85	ng/ml		91
32) Benzo(e)pyrene	18.171	252	136282	49.66	ng/ml		97
33) Benzo(a)pyrene	18.293	252	118218	56.11	ng/ml		95
34) Perylene	18.491	252	144360	51.09	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.828	276	118663	50.83	ng/ml		75
37) Dibenz(a,h)anthracene	20.887	278	121000	51.40	ng/ml		79
38) Benzo(g,h,i)perylene	21.365	276	127438	50.89	ng/ml		74

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082042.D
 Acq On : 09 May 2020 06:54 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 11 10:59:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082043.D
 Acq On : 09 May 2020 07:24 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08047-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

John 5/11/20

Quant Time: May 11 10:59:51 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.889	136	256633	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	143583	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	262408	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	198973	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.433	264	183496	100.00	ng/ml	0.01
35) Dibenz(a,h)Anthracene-d...	20.817	292	153776	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	50	0.06	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.961	172	64	0.03	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	267	0.14	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.918	128	880	N.D.		
5) 2-Methylnaphthalene	8.600	142	242	N.D.		
6) 1-Methylnaphthalene	8.699	142	216	N.D.		
7) 1,1'-Biphenyl	9.060	154	547	N.D.		
8) 2,6-Dimethylnaphthalene	9.218	156	100	N.D.		
11) Acenaphthylene	9.503	152	272	N.D.		
12) Acenaphthene	9.678	153	92	N.D.		
13) Dibenzofuran	9.859	168	141	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	10.203	166	156	N.D.		
17) Dibenzothiopene	11.048	184	120	N.D.		
18) Phenanthrene	11.182	178	504	N.D.		
19) Anthracene	11.235	178	190	N.D.		
20) Carbazole	11.427	167	400	N.D.		
21) 1-Methylphenanthrene	11.812	192	226	N.D.		
22) Fluoranthene	12.453	202	273	N.D.		
24) Pyrene	12.750	202	325	N.D.		
26) Benz(a)anthracene	14.947	228	631	N.D.		
27) Chrysene	15.006	228	237	N.D.		
29) Benzo(b)fluoranthene	17.518	252	251	N.D.		
30) Benzo(k)fluoranthene	17.588	252	192	N.D.		
31) Benzo(b+k)fluoranthene	17.588	252	443	N.D.		
32) Benzo(e)pyrene	18.176	252	225	N.D.		
33) Benzo(a)pyrene	18.287	252	176	0.43	ng/ml	57
34) Perylene	18.485	252	240	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.823	276	319	N.D.		
37) Dibenz(a,h)anthracene	20.893	278	321	N.D.		
38) Benzo(g,h,i)perylene	21.376	276	211	N.D.		

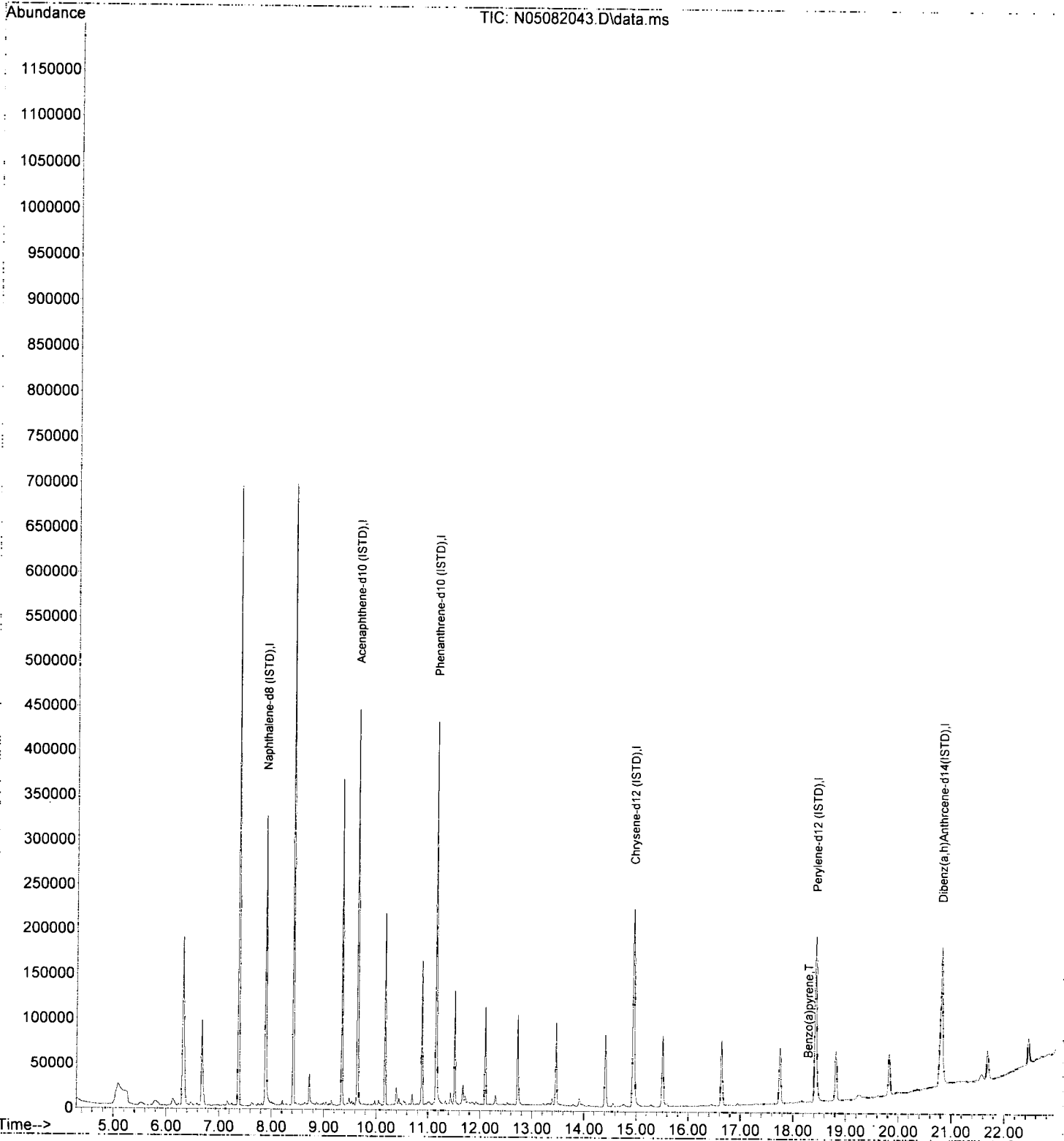
V

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
Data File : N05082043.D
Acq On : 09 May 2020 07:24 am
Operator : JK/ AMS/ DTH
Sample : 0E08047-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 11 10:59:51 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082048.D
 Acq On : 09 May 2020 09:58 am
 Operator : JK/ AMS/ DTH
 Sample : AOD0763-02@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 29 Sample Multiplier: 1

run 5/11/20
RPI

Quant Time: May 11 11:00:11 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

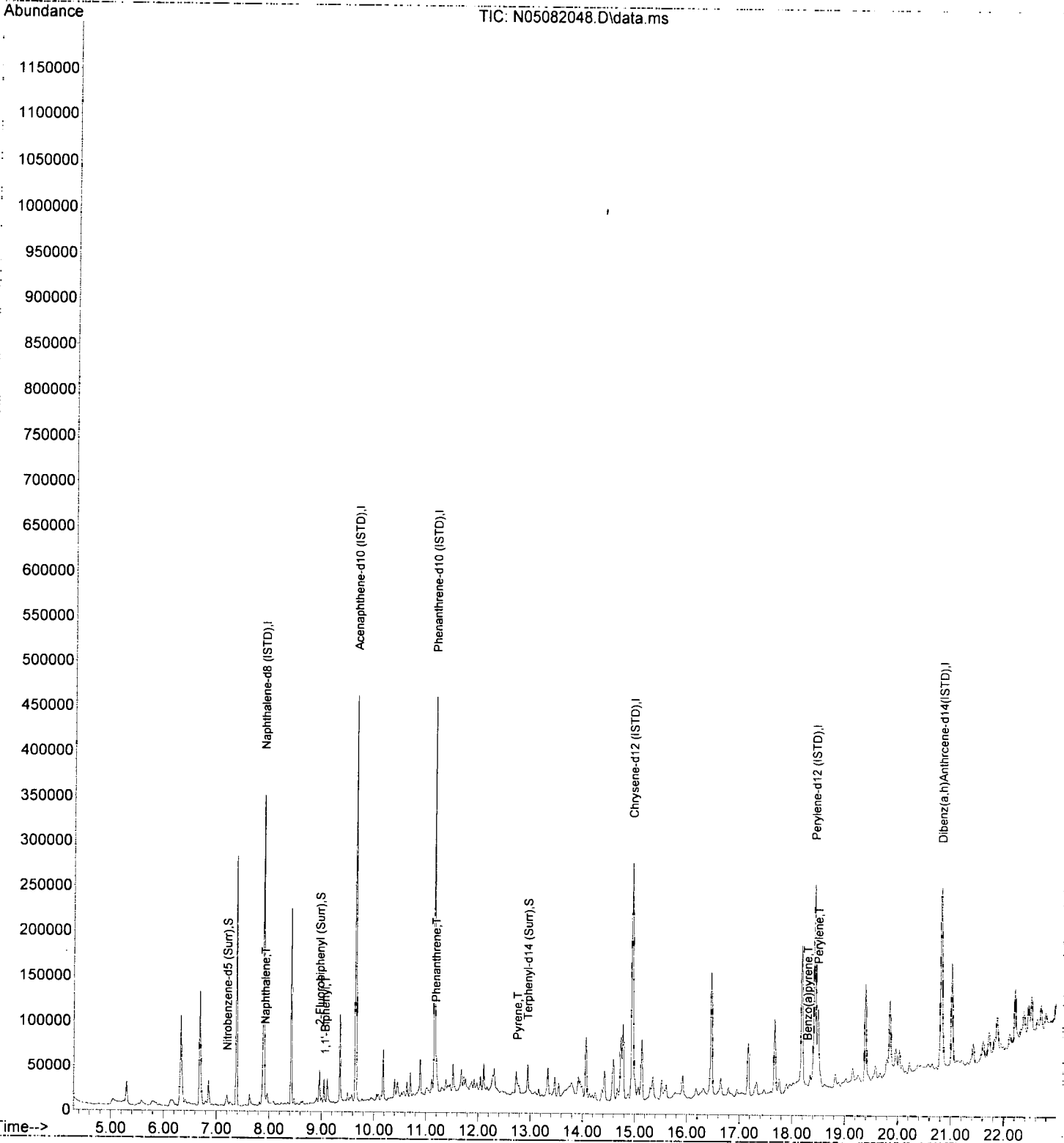
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	264590	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.655	162	145293	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	264308	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	216110	100.00	ng/ml	0.01	
28) Perylene-d12 (ISTD)	18.433	264	215848	100.00	ng/ml	0.01	
35) Dibenz(a,h)Anthracene-d...	20.823	292	178319	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	5772	6.98	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.961	172	18521	8.23	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	20242	9.69	ng/ml	0.00	
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.918	128	3953	1.37	ng/ml		97
5) 2-Methylnaphthalene	8.600	142	535	N.D.			
6) 1-Methylnaphthalene	8.705	142	535	N.D.			
7) 1,1'-Biphenyl	9.066	154	1047	0.43	ng/ml		89
8) 2,6-Dimethylnaphthalene	9.229	156	486	N.D.			
11) Acenaphthylene	9.509	152	351	N.D.			
12) Acenaphthene	9.684	153	236	N.D.			
13) Dibenzofuran	9.859	168	303	N.D.			
14) 1,6,7-Trimethylnaphtha...	10.086	170	195	N.D.			
15) Fluorene	10.209	166	567	N.D.			
17) Dibenzothiopene	11.054	184	339	N.D.			
18) Phenanthrene	11.182	178	2179	0.72	ng/ml		90
19) Anthracene	11.234	178	510	N.D.			
20) Carbazole	11.403	167	212	N.D.			
21) 1-Methylphenanthrene	11.812	192	210	N.D.			
22) Fluoranthene	12.458	202	1164	N.D.			
24) Pyrene	12.750	202	1812	0.65	ng/ml		90
26) Benz(a)anthracene	14.947	228	895	N.D.			
27) Chrysene	15.011	228	572	N.D.			
29) Benzo(b)fluoranthene	17.524	252	404	N.D.			
30) Benzo(k)fluoranthene	17.594	252	162	N.D.			
31) Benzo(b+k)fluoranthene	17.524	252	811	N.D.			
32) Benzo(e)pyrene	18.188	252	890	N.D.			
33) Benzo(a)pyrene	18.293	252	379	0.53	ng/ml#		1
34) Perylene	18.497	252	81280	33.83	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.828	276	377	N.D.			
37) Dibenz(a,h)anthracene	20.916	278	153	N.D.			
38) Benzo(g,h,i)perylene	21.365	276	358	N.D.			

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
Data File : N05082048.D
Acq On : 09 May 2020 09:58 am
Operator : JK/ AMS/ DTH
Sample : A0D0763-02@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 29 Sample Multiplier: 1

Quant Time: May 11 11:00:11 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

RAW 5/11/20

AR-1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

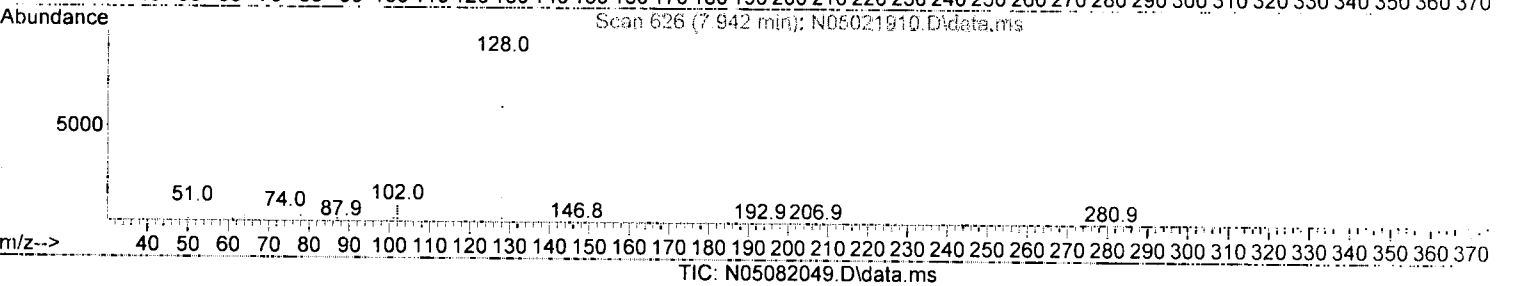
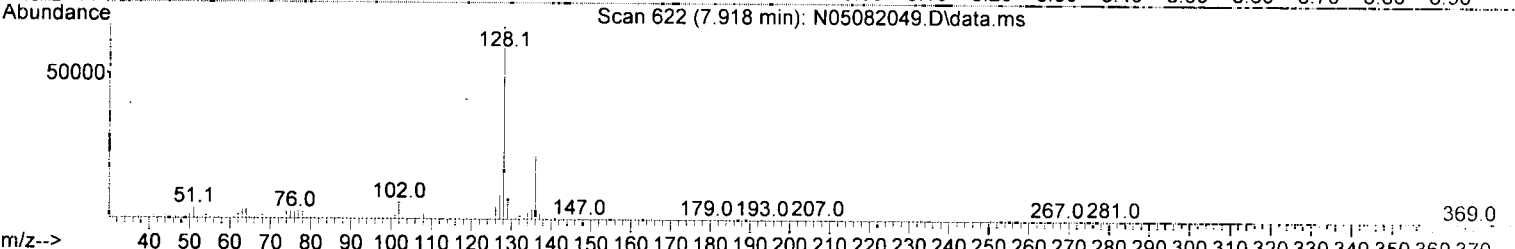
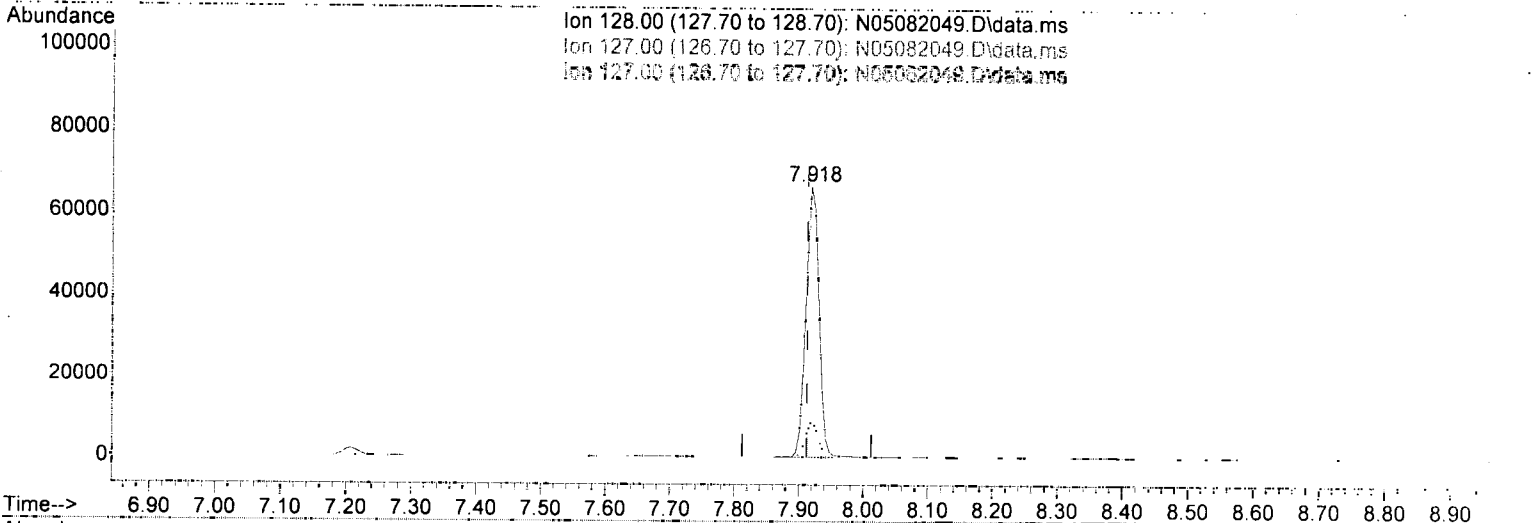
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.901	136	246403	100.00	ng/ml	0.01
9) Acenaphthene-d10 (ISTD)	9.655	162	137327	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	249003	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	199393	100.00	ng/ml	0.01
28) Perylene-d12 (ISTD)	18.433	264	193005	100.00	ng/ml	0.01
35) Dibenz(a,h)Anthracene-d...	20.823	292	167363	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	5725	7.44	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.962	172	18223	8.57	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	18622	9.67	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0			Qvalue
4) Naphthalene	7.918	128	93209	34.73	ng/ml	100 -
5) 2-Methylnaphthalene	8.600	142	8240	4.57	ng/ml	95 j
6) 1-Methylnaphthalene	8.699	142	5276	2.95	ng/ml	96
7) 1,1'-Biphenyl	9.066	154	3320	1.46	ng/ml	95
8) 2,6-Dimethylnaphthalene	9.230	156	4676	3.00	ng/ml	94
11) Acenaphthylene	9.509	152	6970	2.72	ng/ml	94 j
12) Acenaphthene	9.684	153	51181	27.25	ng/ml	98
13) Dibenzofuran	9.859	168	3598	1.58	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	10.069	170	1121	0.76	ng/ml	73
15) Fluorene	10.209	166	19075	10.56	ng/ml	97
17) Dibenzothiopene	11.054	184	14979	5.95	ng/ml	96
18) Phenanthrene	11.188	178	122639	42.79	ng/ml	99
19) Anthracene	11.235	178	15288	6.51	ng/ml	98
20) Carbazole	11.404	167	10205	5.04	ng/ml	97
21) 1-Methylphenanthrene	11.812	192	1683	0.87	ng/ml	88
22) Fluoranthene	12.459	202	41007	14.52	ng/ml	95
24) Pyrene	12.750	202	49980	19.33	ng/ml	99 j
26) Benz(a)anthracene	14.936	228	5814	2.81	ng/ml #	51 j
27) Chrysene	15.012	228	7479	3.52	ng/ml	98 j
29) Benzo(b)fluoranthene	17.530	252	7660	3.84	ng/ml	91 j
30) Benzo(k)fluoranthene	17.530	252	9116	4.58	ng/ml	89 ME - NO
31) Benzo(b+k)fluoranthene	17.530	252	10940	5.21	ng/ml	89
32) Benzo(e)pyrene	18.177	252	5754	2.76	ng/ml	84
33) Benzo(a)pyrene	18.293	252	7265	4.93	ng/ml	96 j
34) Perylene	18.497	252	82055	38.20	ng/ml	99 j
36) Indeno(1,2,3-cd)Pyrene	20.829	276	5747	3.16	ng/ml	93 j
37) Dibenz(a,h)anthracene	20.881	278	615	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	7188	3.69	ng/ml	84 j

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.918min (+ 0.006) 34.73 ng/ml

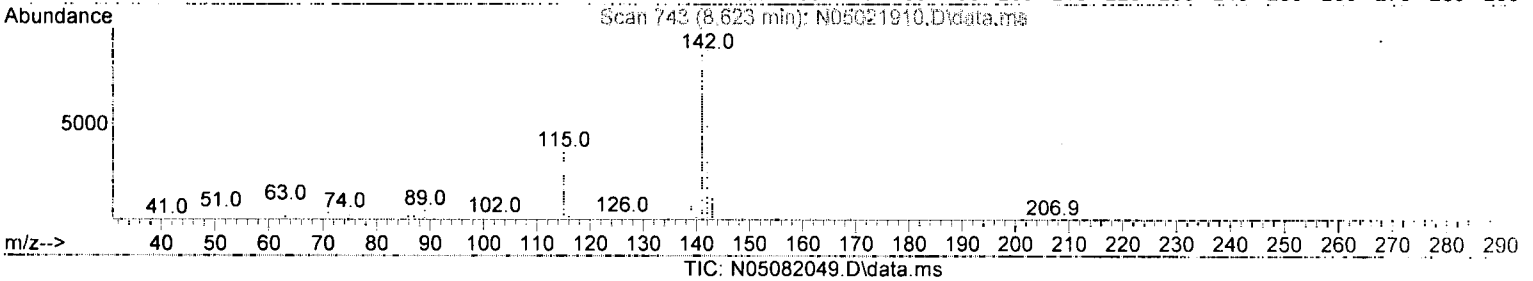
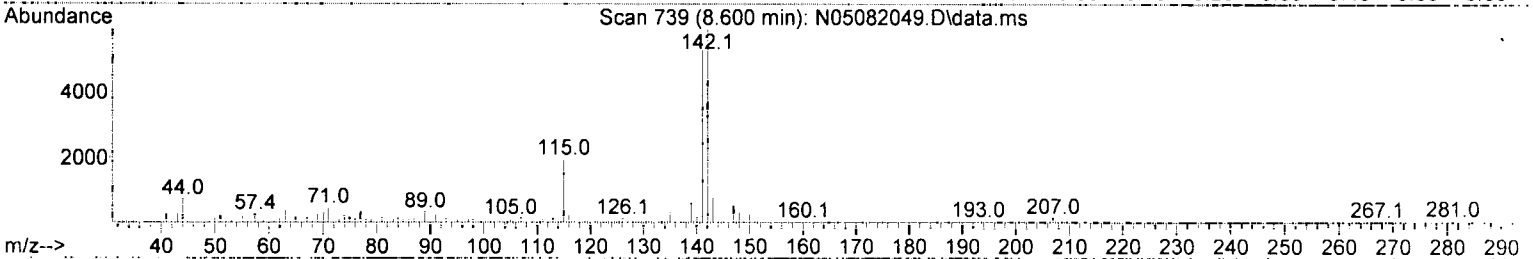
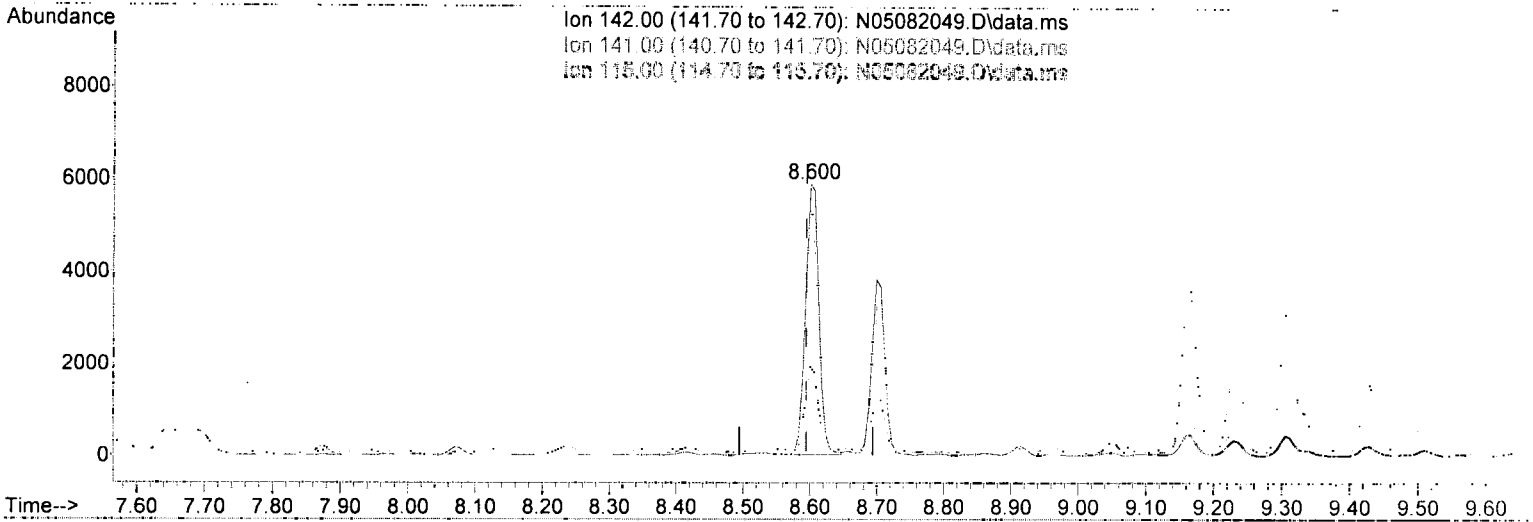
response 93209

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.75
127.00	12.60	12.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.600min (+ 0.006) 4.57 ng/ml

response 8240

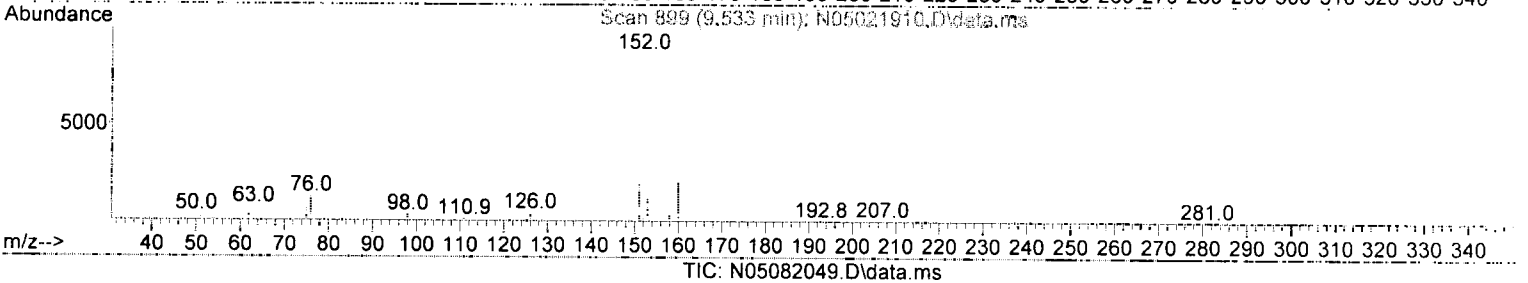
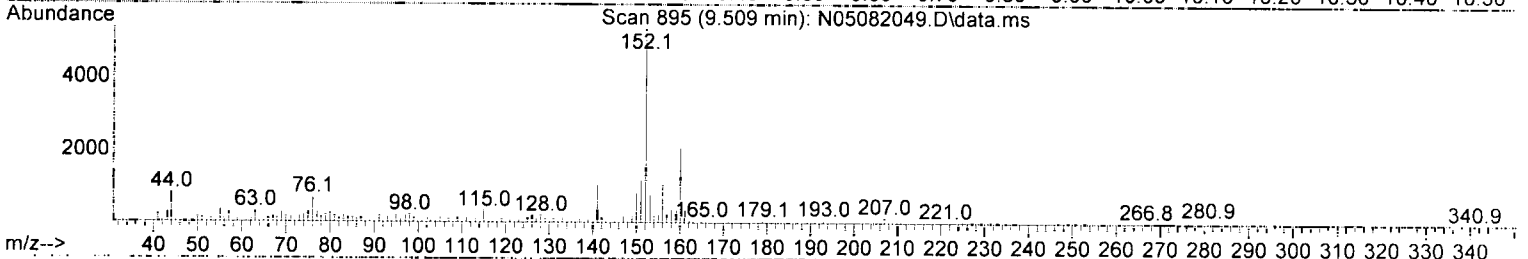
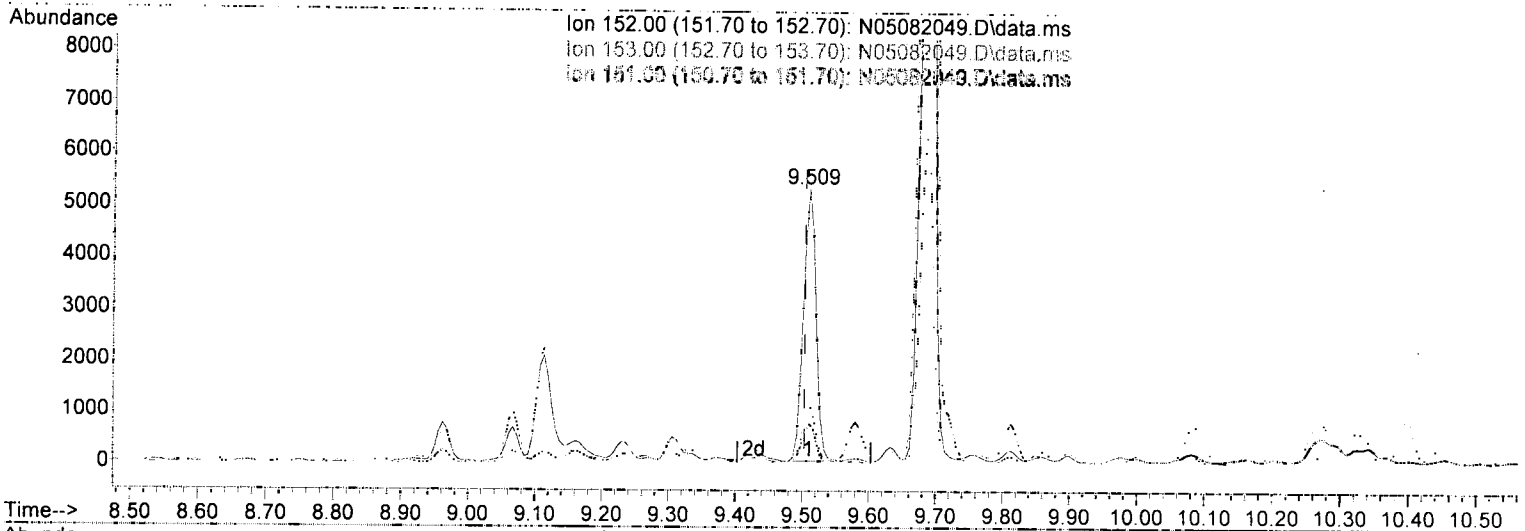
Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	90.66
115.00	35.70	32.83
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(11) Acenaphthylene (T)

9.509min (+ 0.006) 2.72 ng/ml

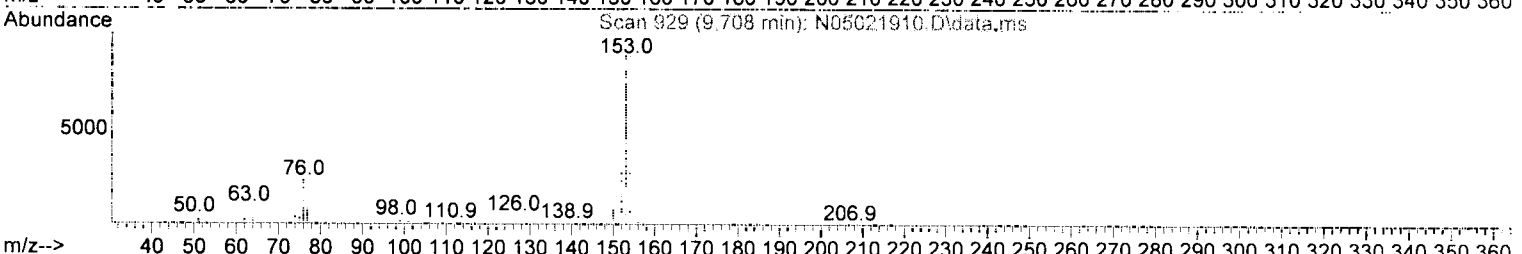
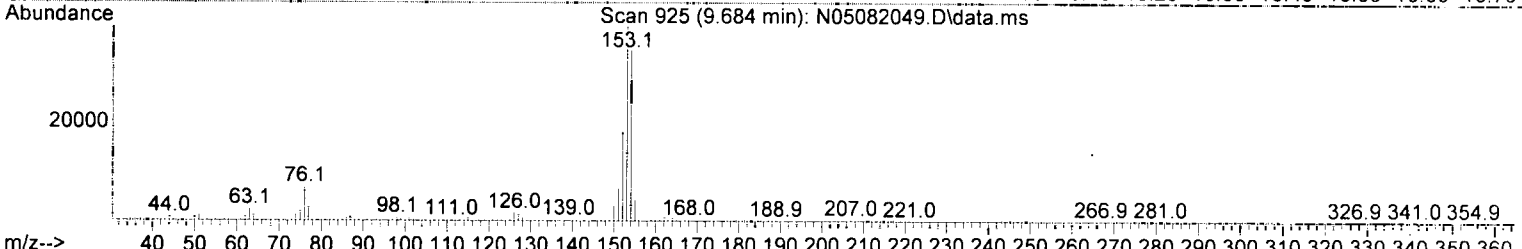
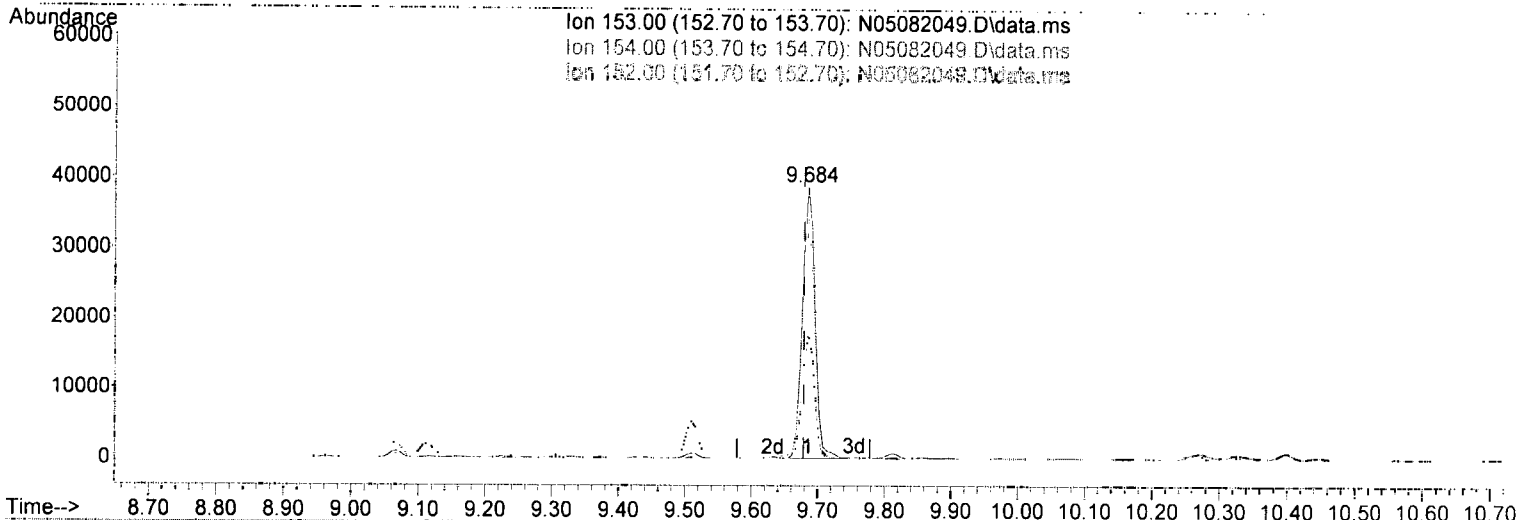
response 6970

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.63
151.00	19.30	22.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05082049.D\data.ms

(12) Acenaphthene (T)

9.684min (+ 0.006) 27.25 ng/ml

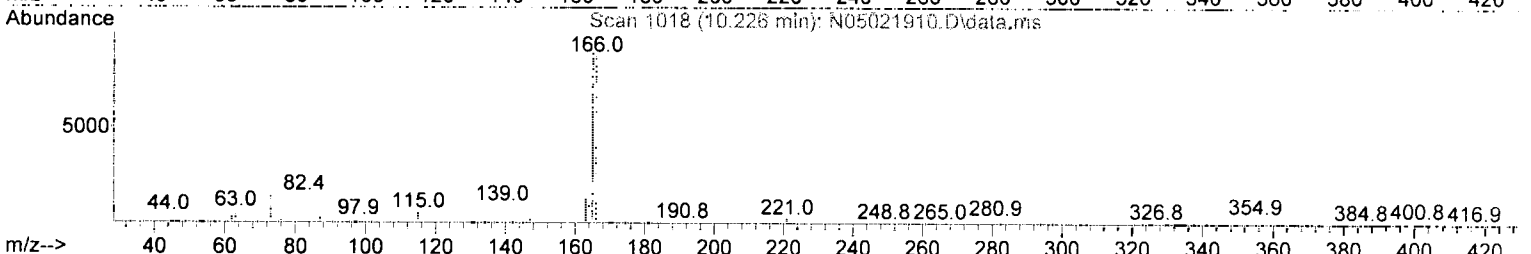
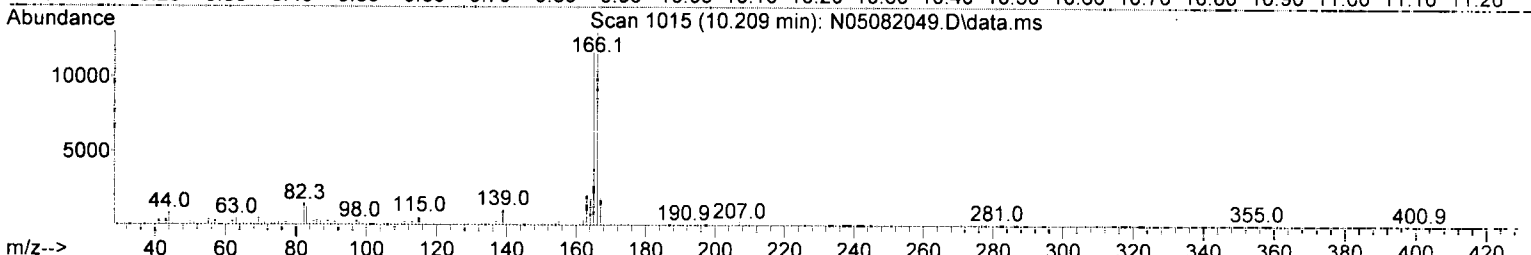
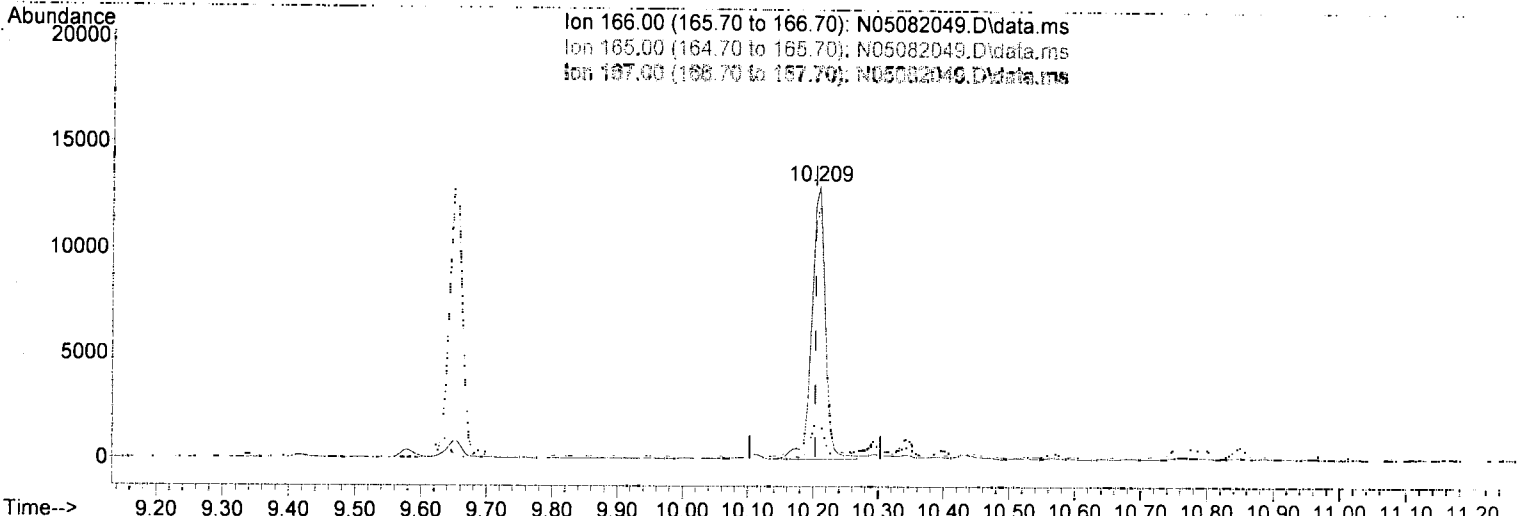
response 51181

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	88.48
152.00	46.80	45.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05082049.D\data.ms

(15) Fluorene (T)

10.209min (+ 0.006) 10.56 ng/ml

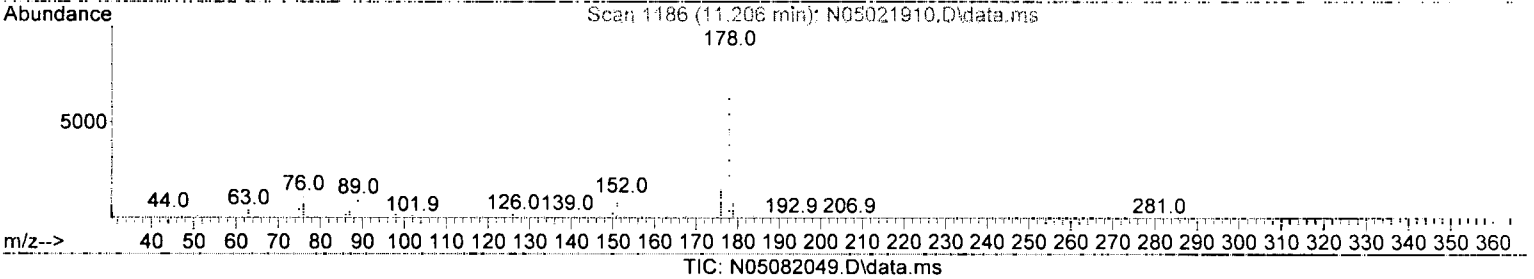
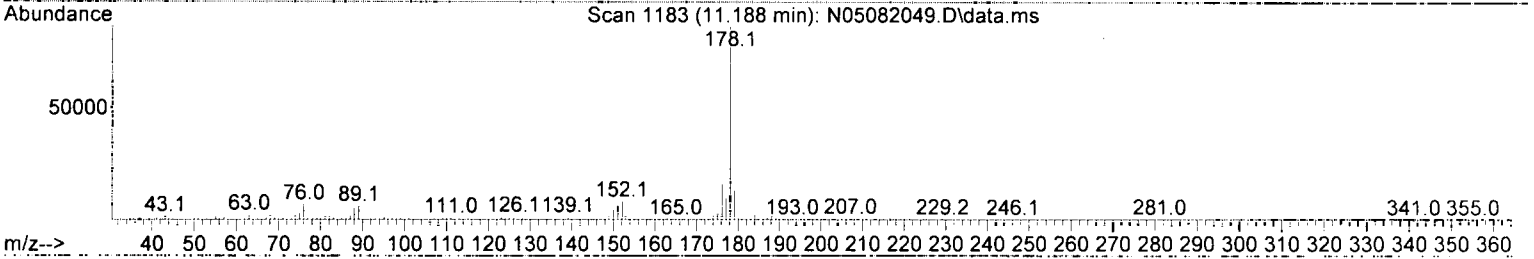
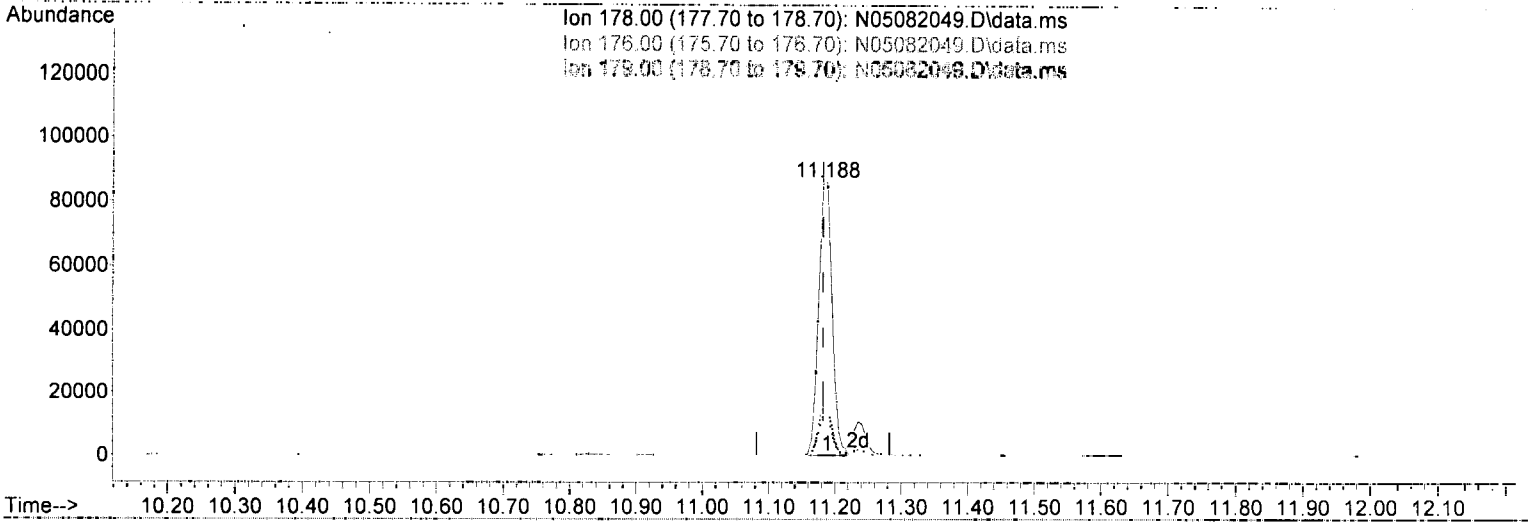
response 19075

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	92.38
167.00	13.60	14.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.188min (+ 0.006) 42.79 ng/ml

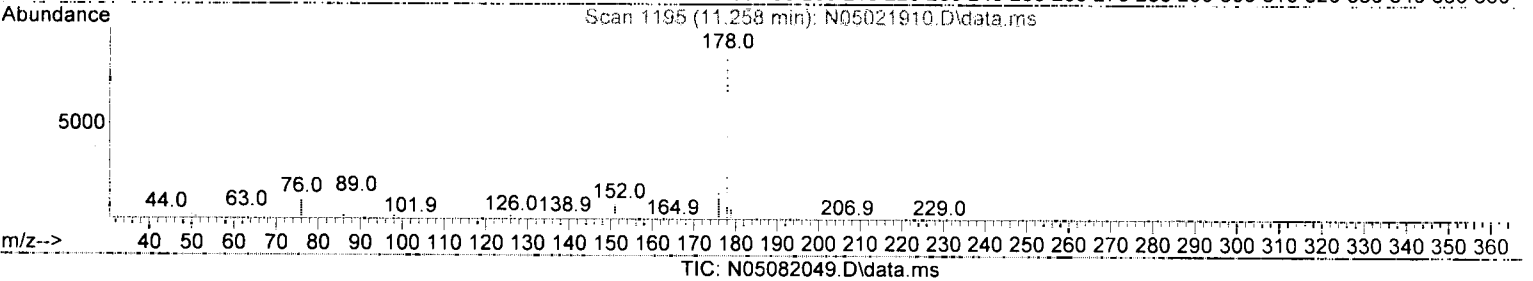
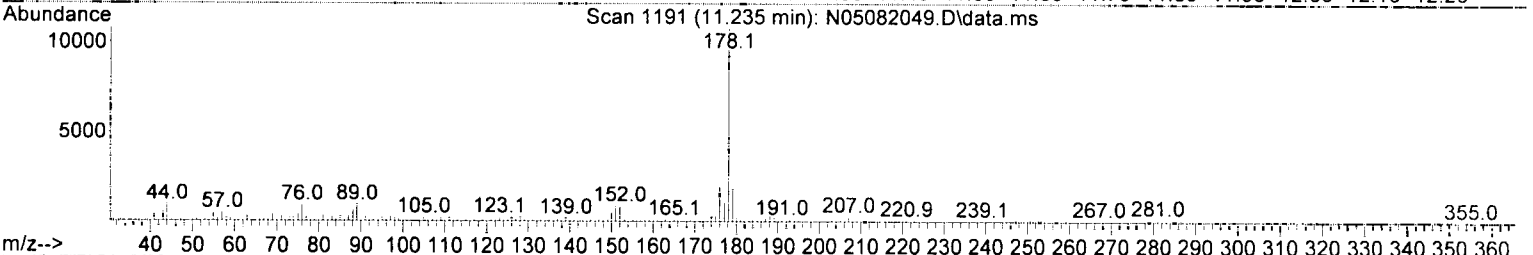
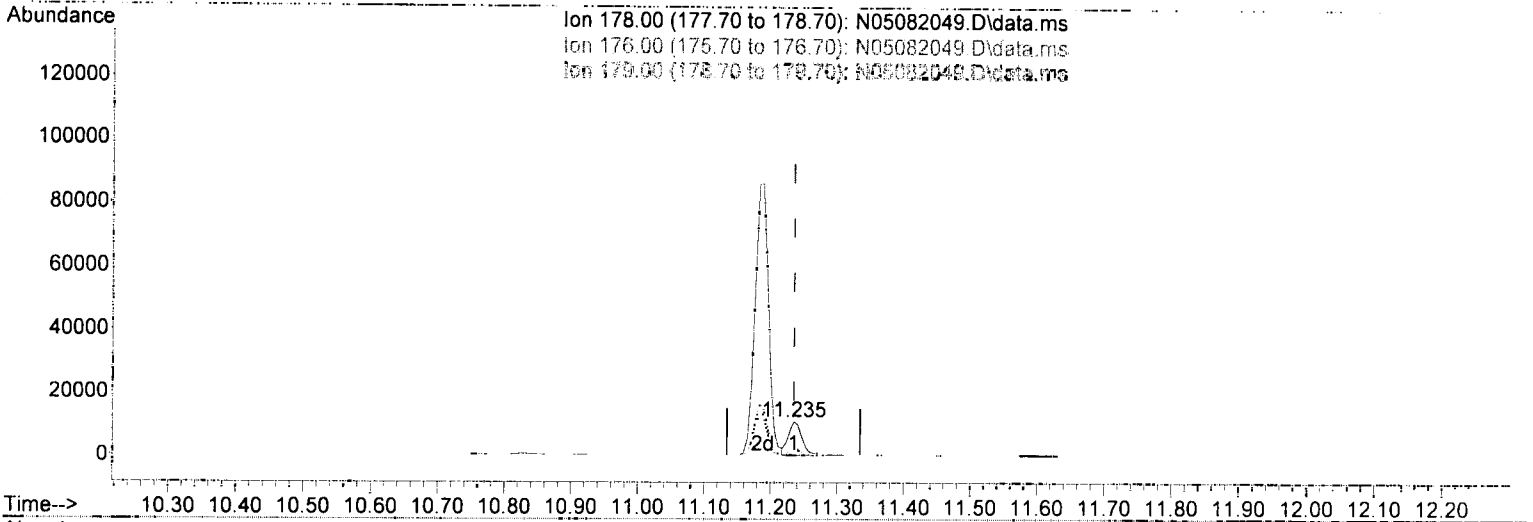
response 122639

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.52
179.00	15.10	15.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.235min (+ 0.000) 6.51 ng/ml

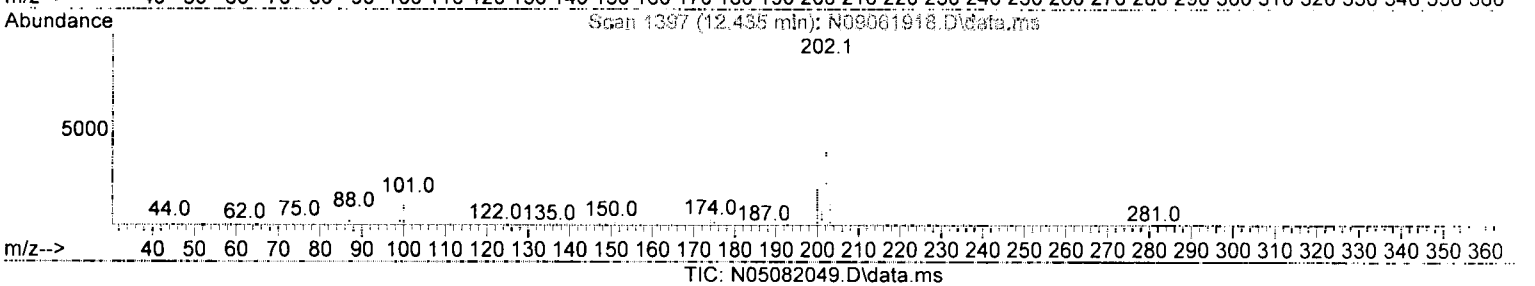
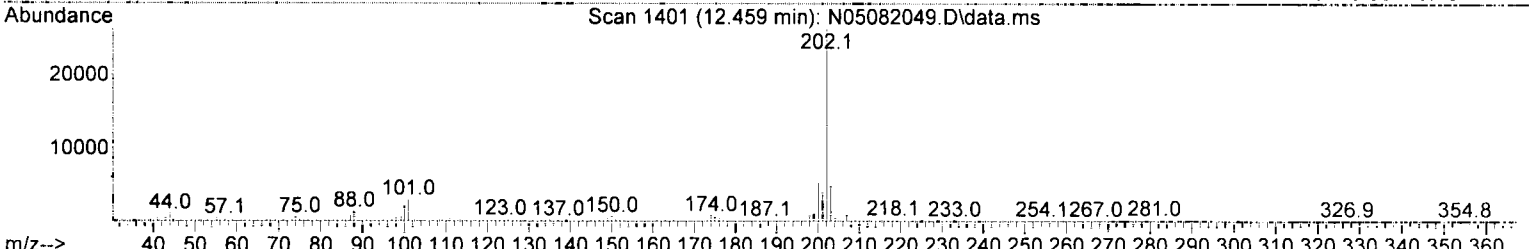
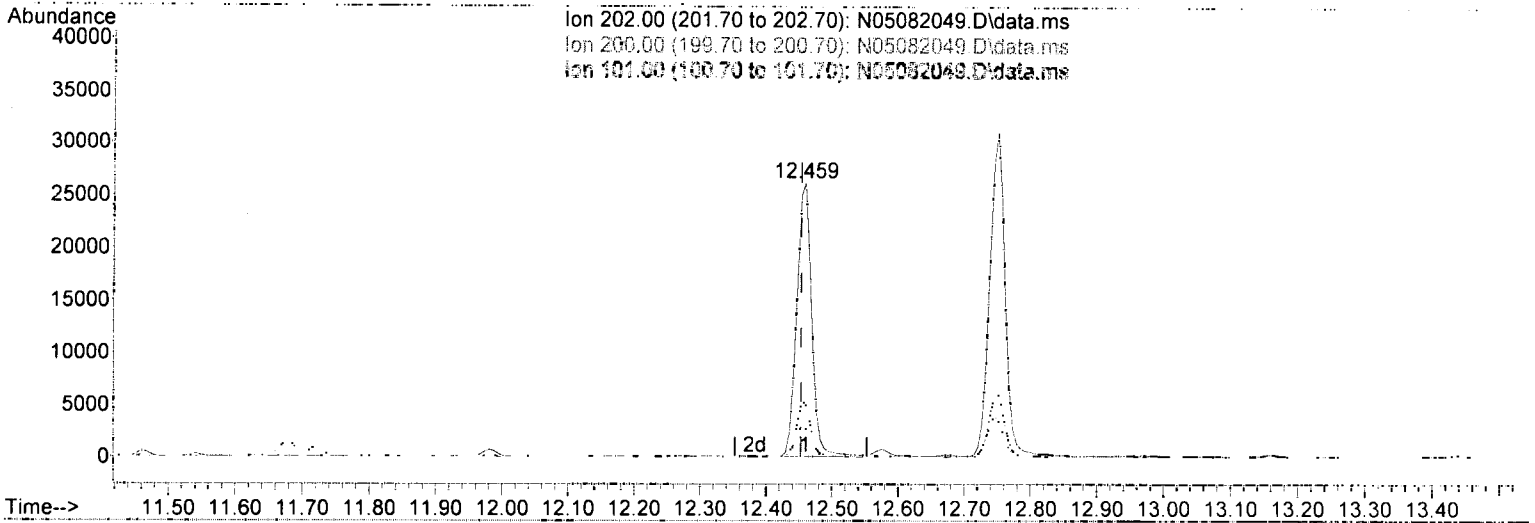
response 15288

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	19.29
179.00	15.30	16.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.459min (+ 0.006) 14.52 ng/ml

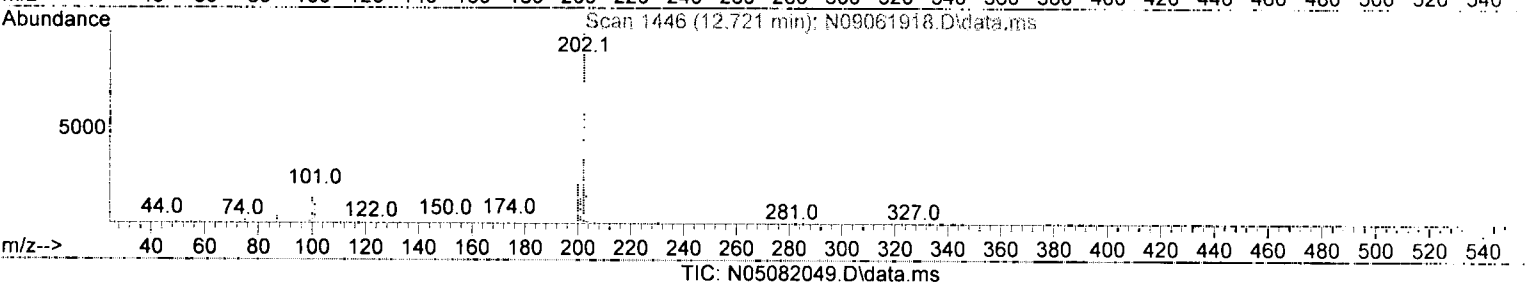
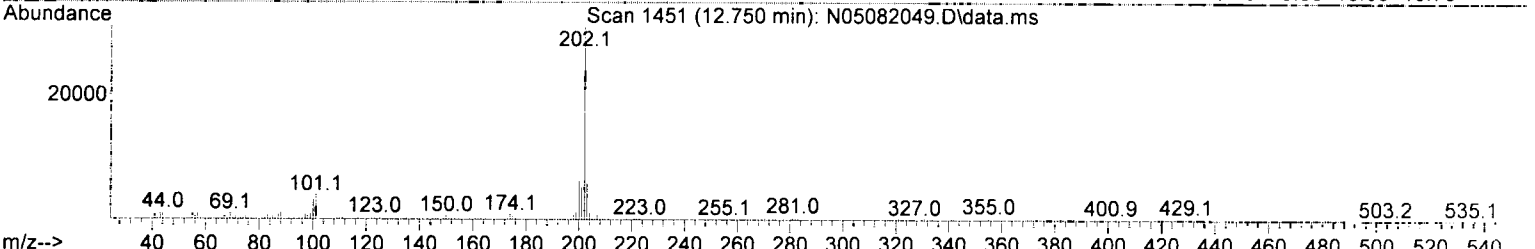
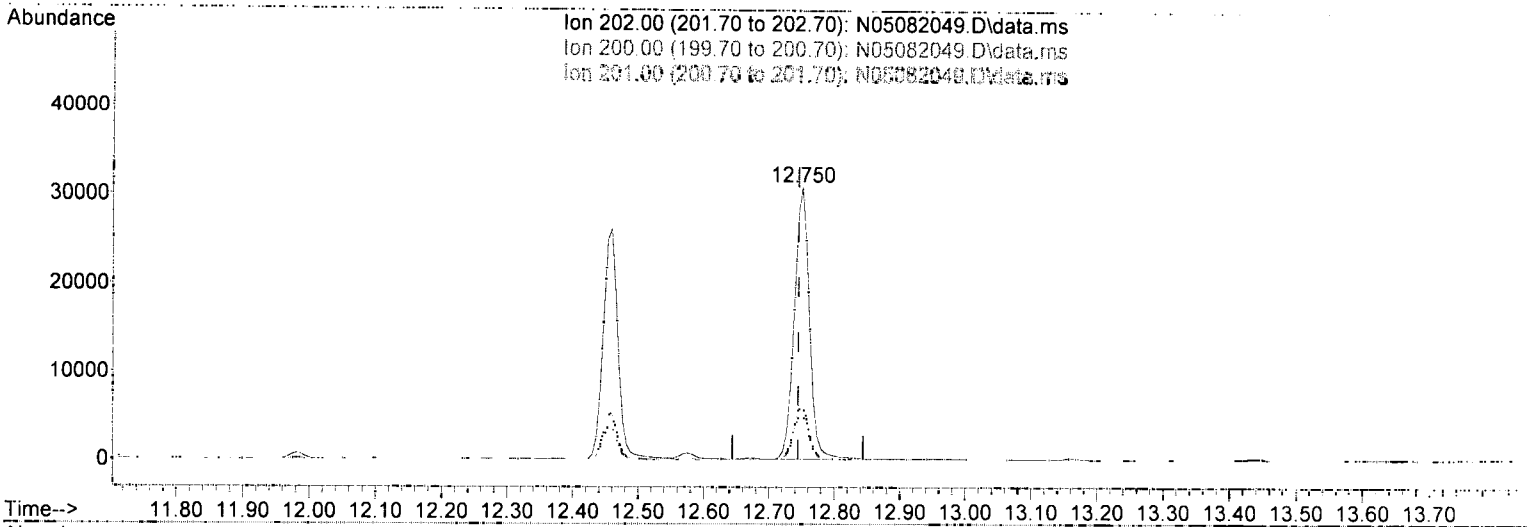
response 41007

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.27
101.00	15.30	11.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.750min (+ 0.006) 19.33 ng/ml

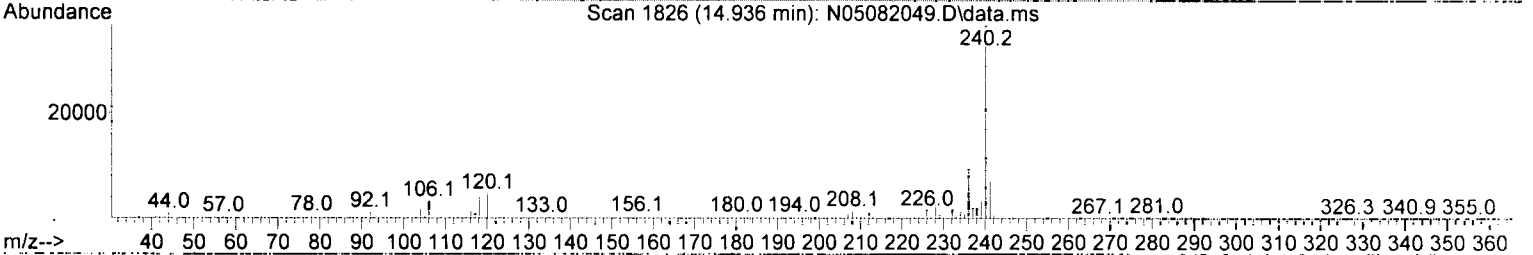
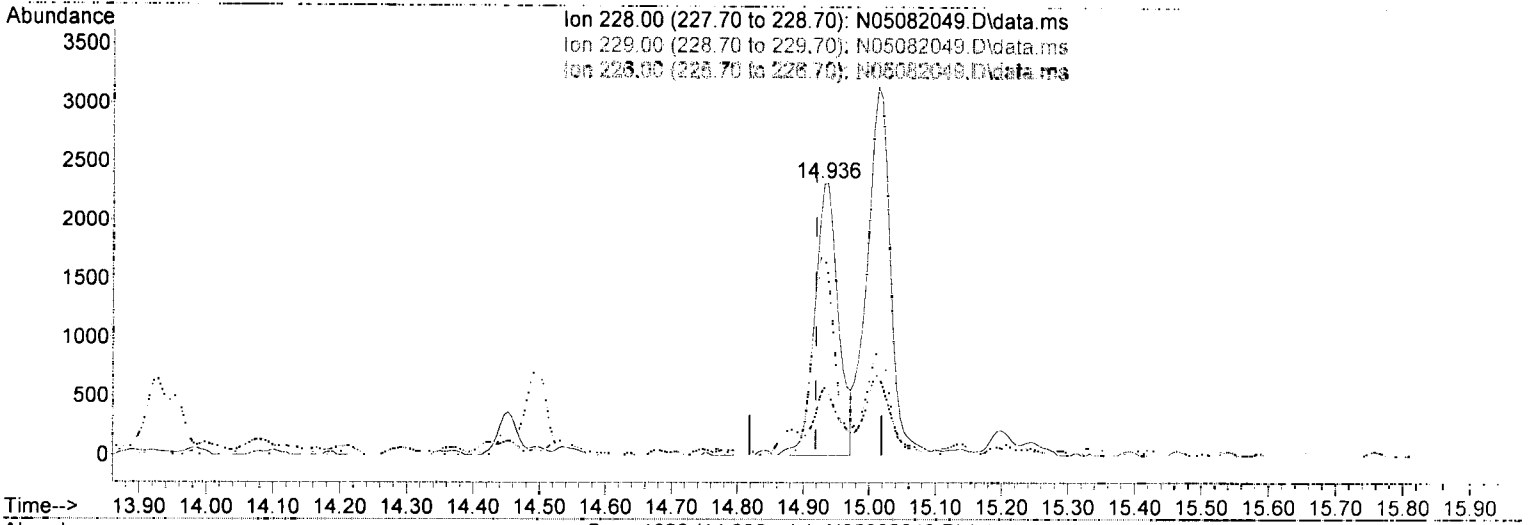
response 49980

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.15
201.00	16.80	17.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.936min (+ 0.018) 2.81 ng/ml

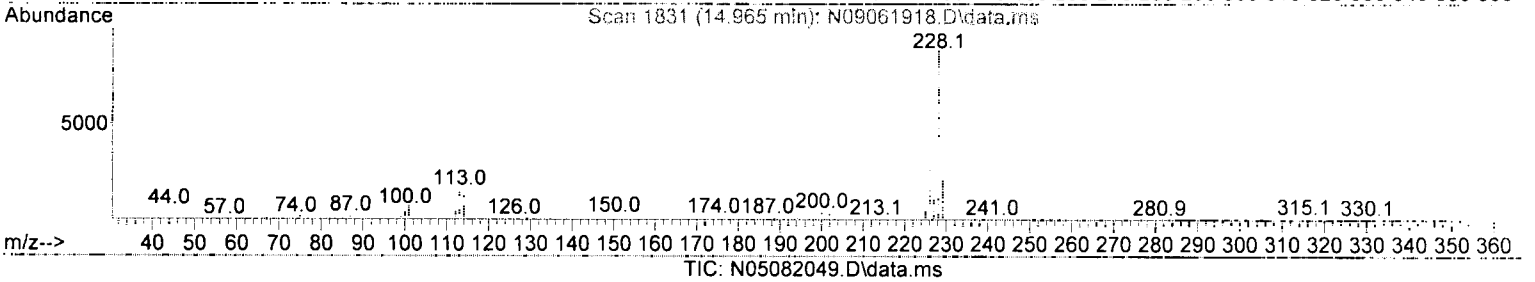
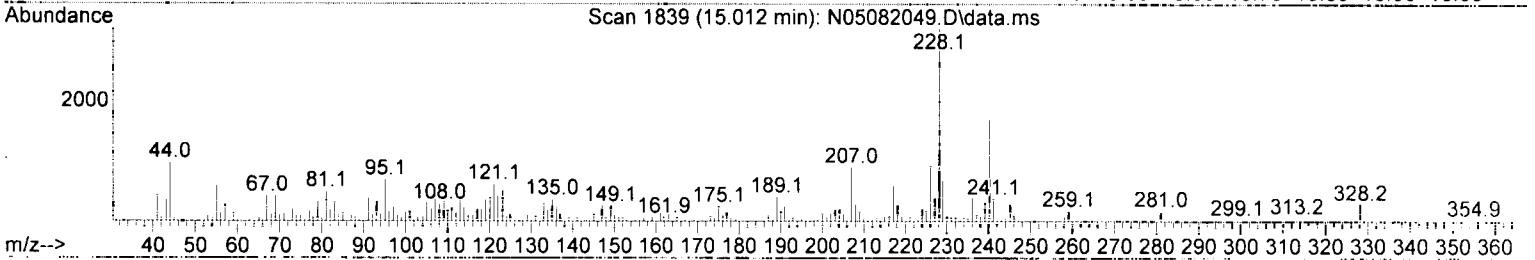
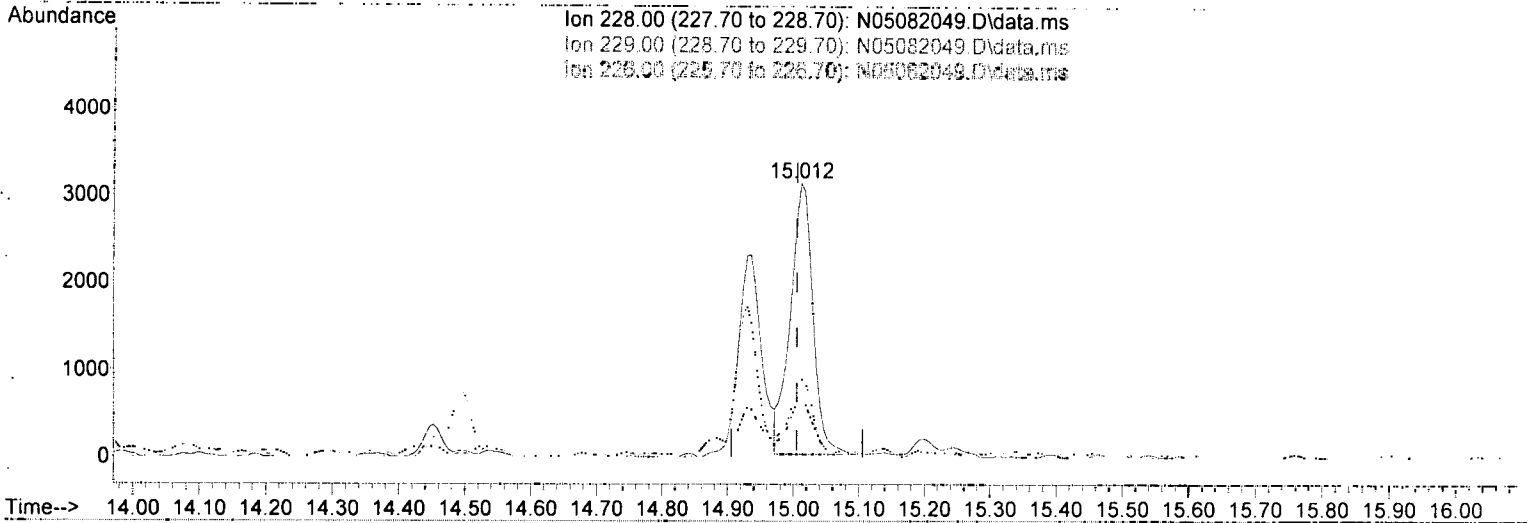
response 5814

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	23.76
226.00	26.20	66.39#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(27) Chrysene (T)

15.012min (+ 0.006) 3.52 ng/ml

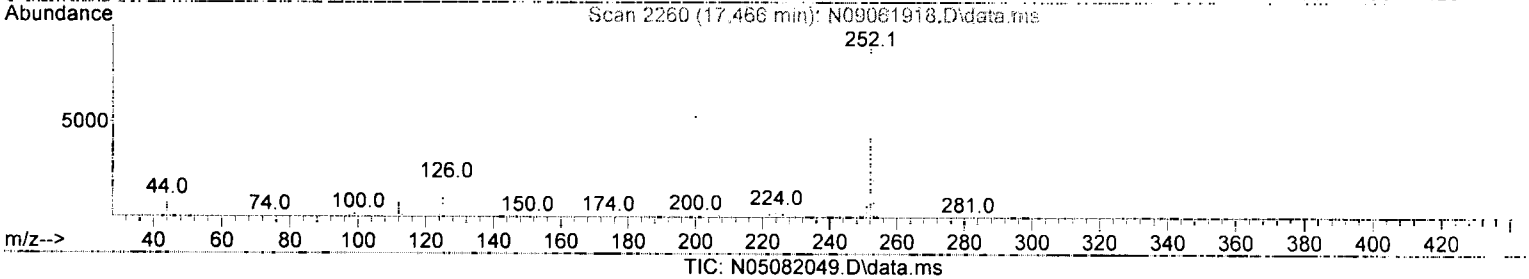
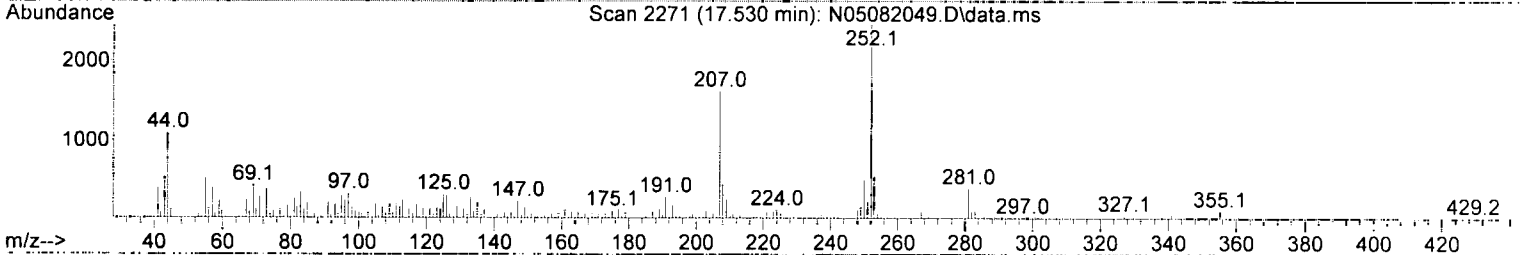
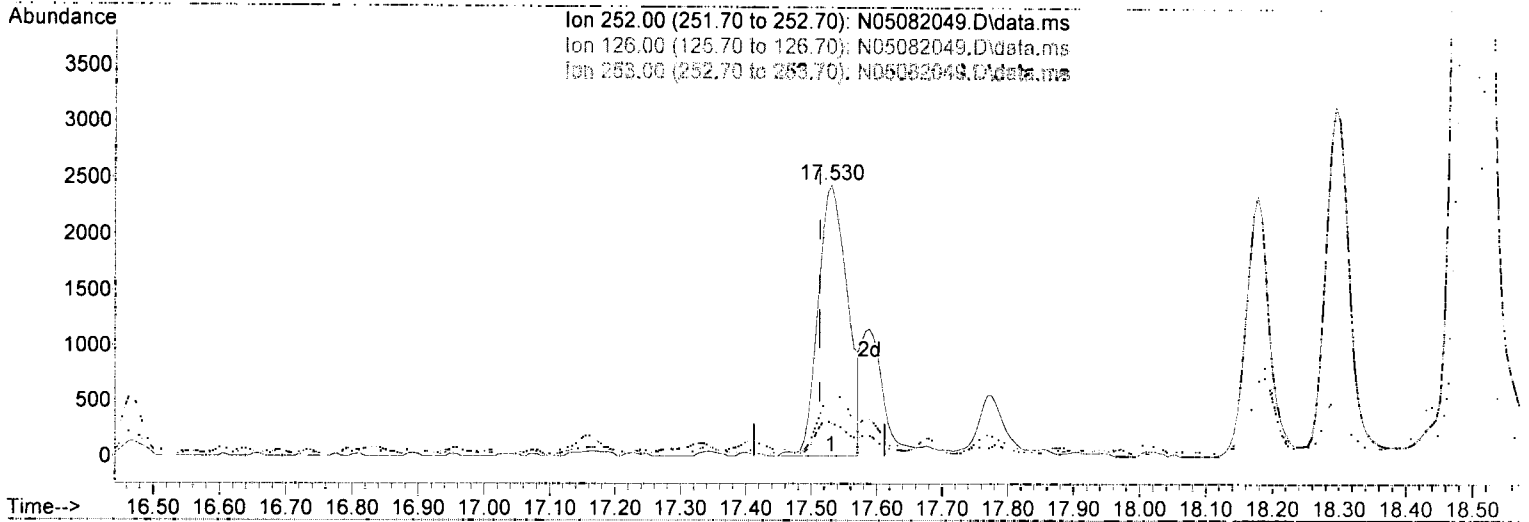
response 7479

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.56
226.00	28.60	28.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(29) Benzo (b)fluoranthene (T)

17.530min (+ 0.018) 3.84 ng/ml

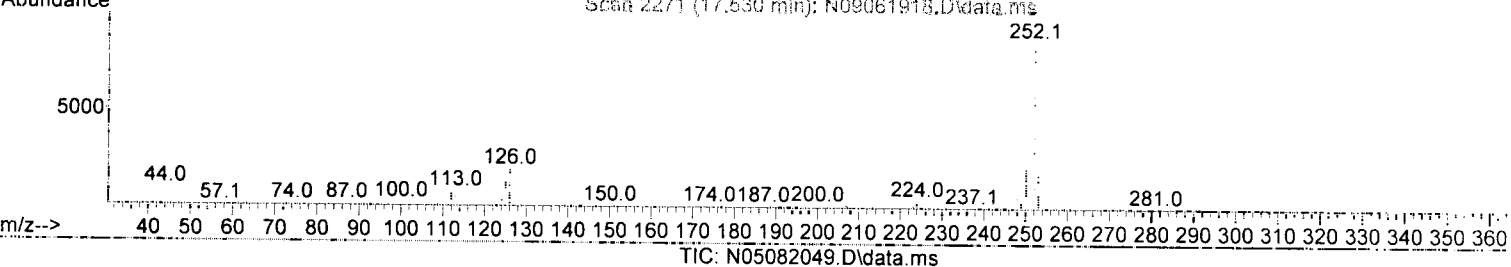
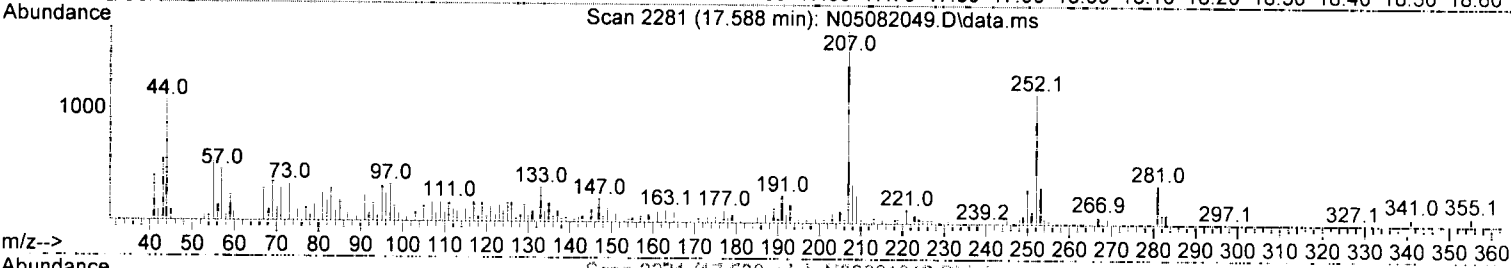
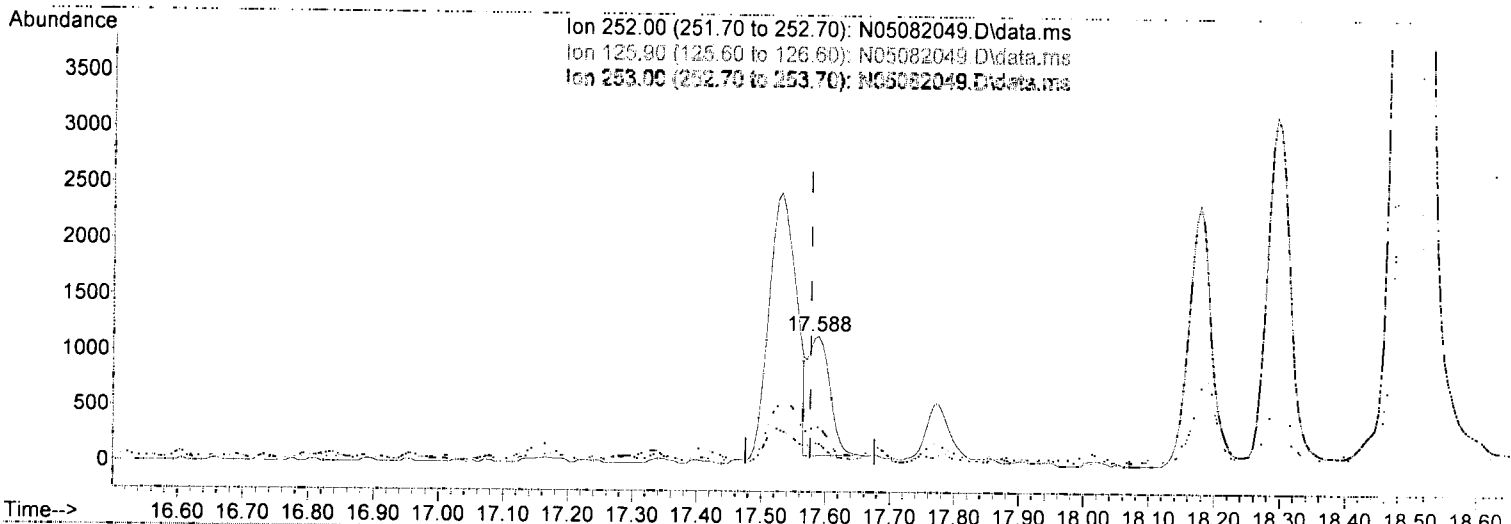
response 7660

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.30
253.00	21.10	21.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.588min (+ 0.012) 1.29 ng/ml (m) *RAM 5/11/20*

response 2566

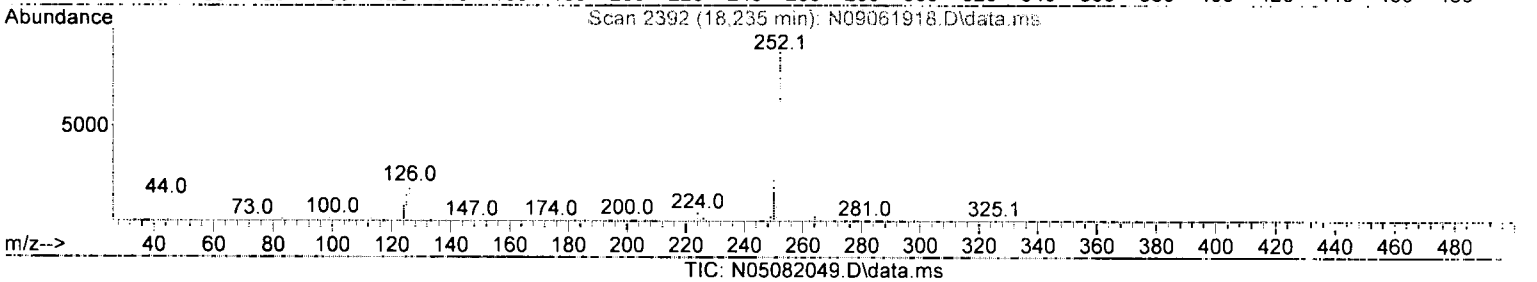
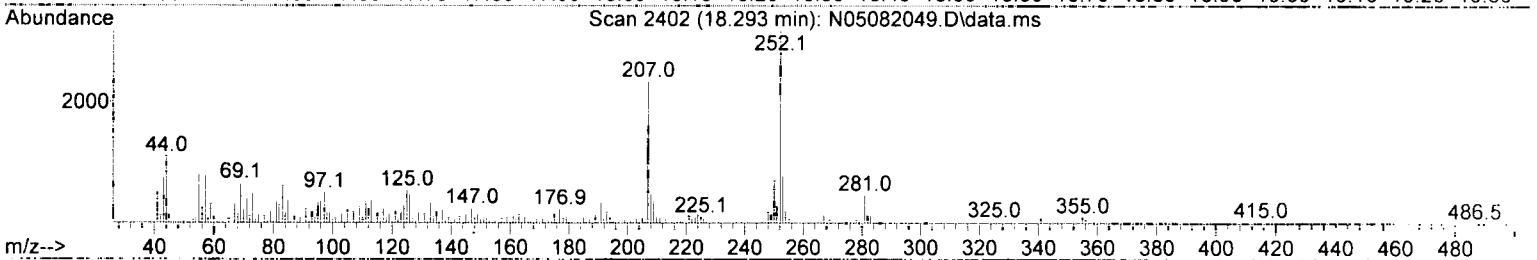
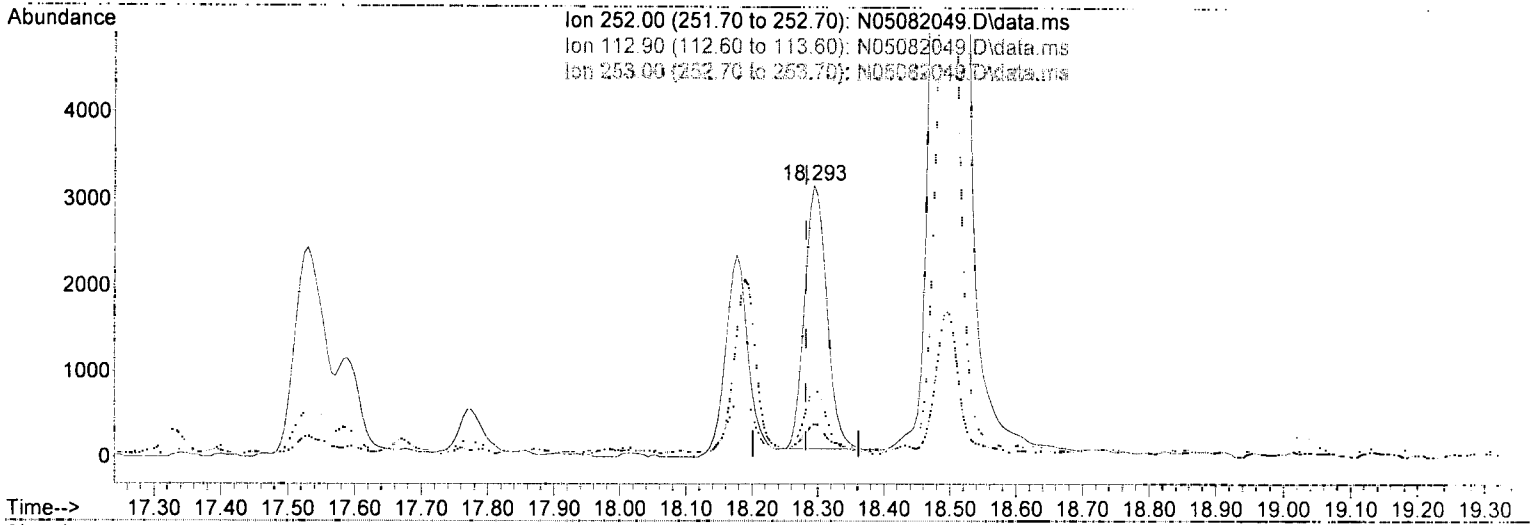
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	16.36
253.00	21.50	29.18
0.00	0.00	0.00

ND

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(33) Benzo (a)pyrene (T)

18.293min (+ 0.012) 4.93 ng/ml

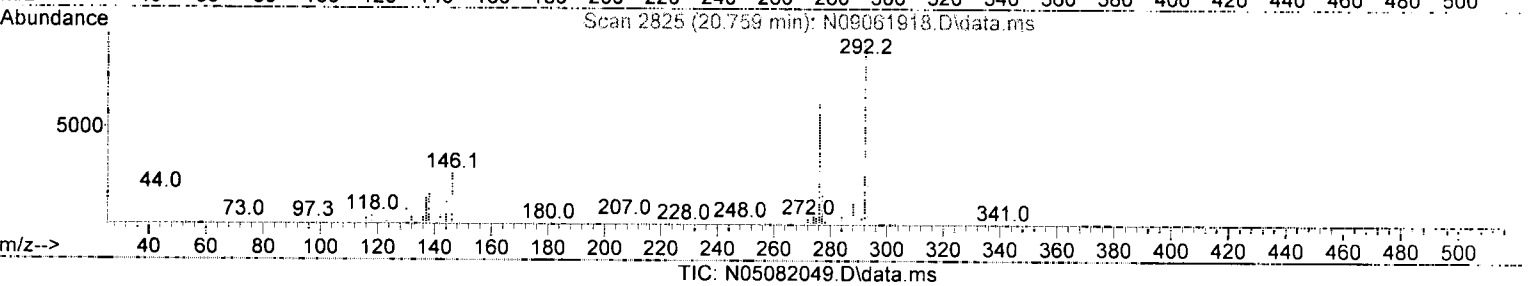
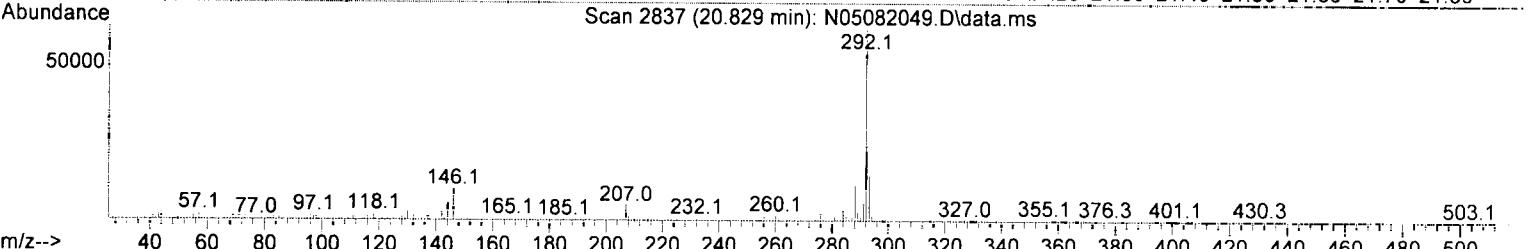
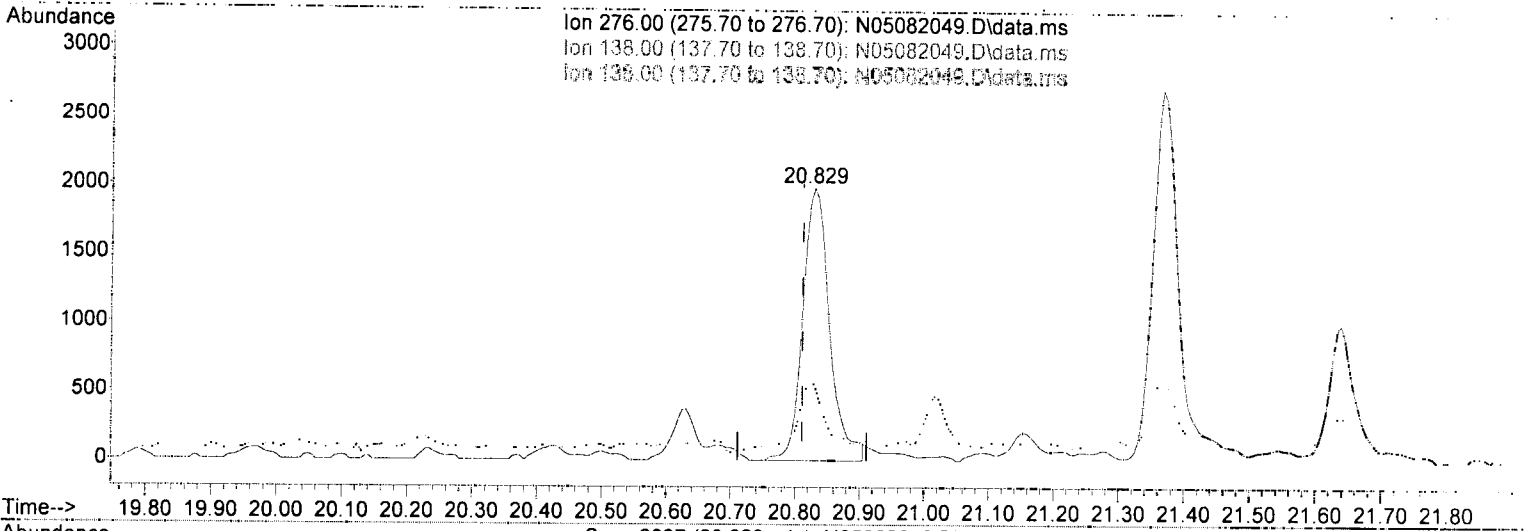
response 7265

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	11.95
253.00	21.90	24.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.829min (+ 0.018) 3.16 ng/ml

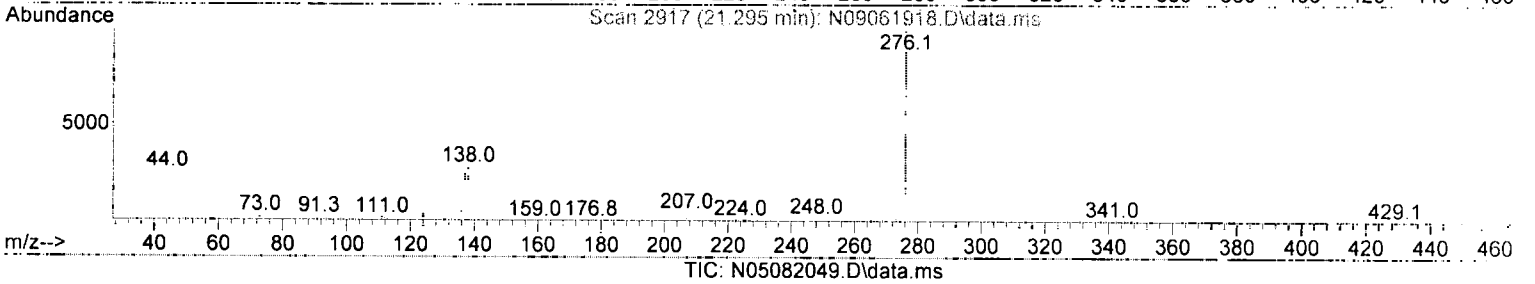
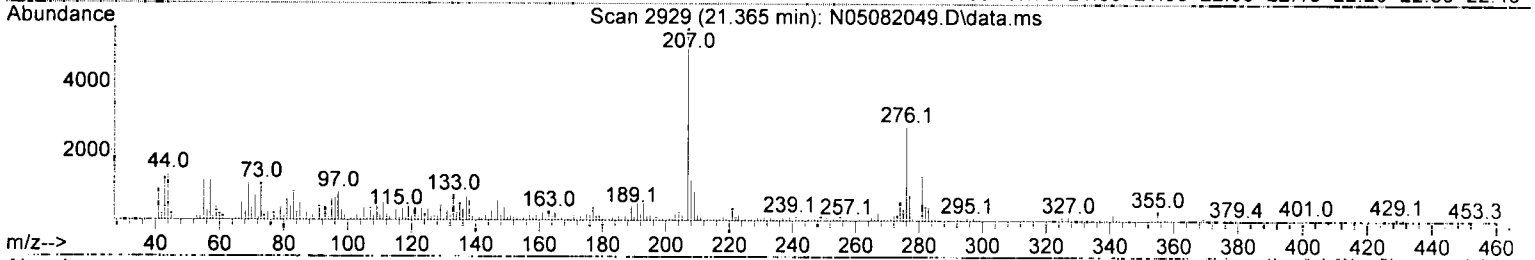
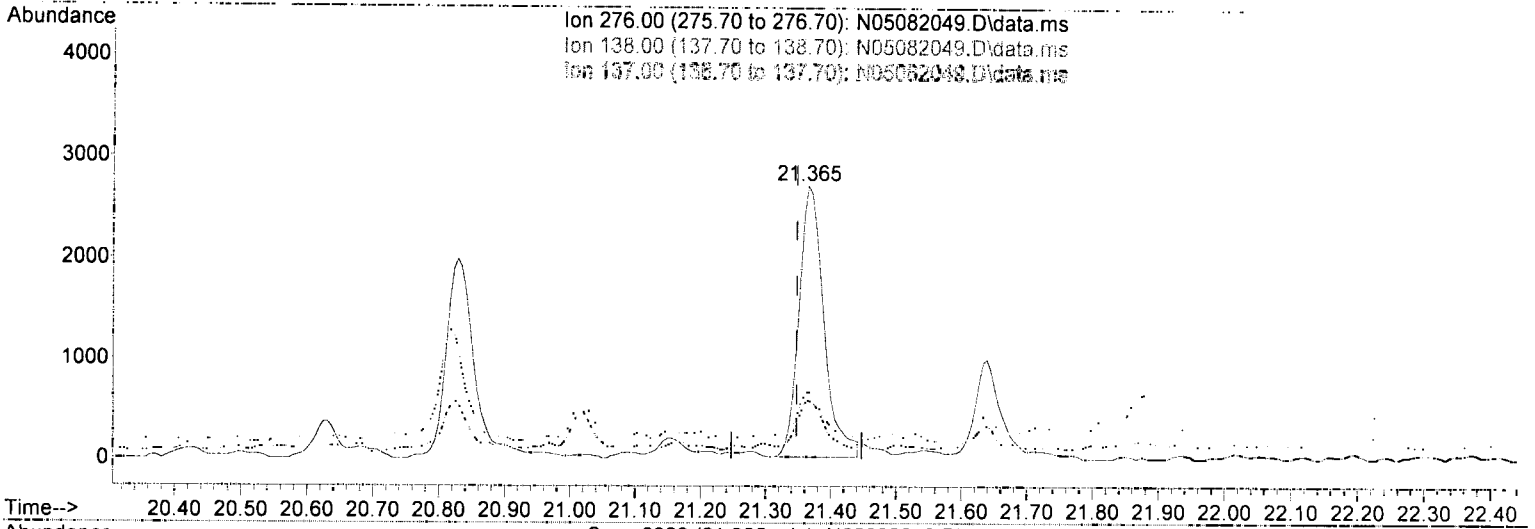
response 5747

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	27.86
138.00	31.60	27.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

21.365min (+ 0.018) 3.69 ng/ml

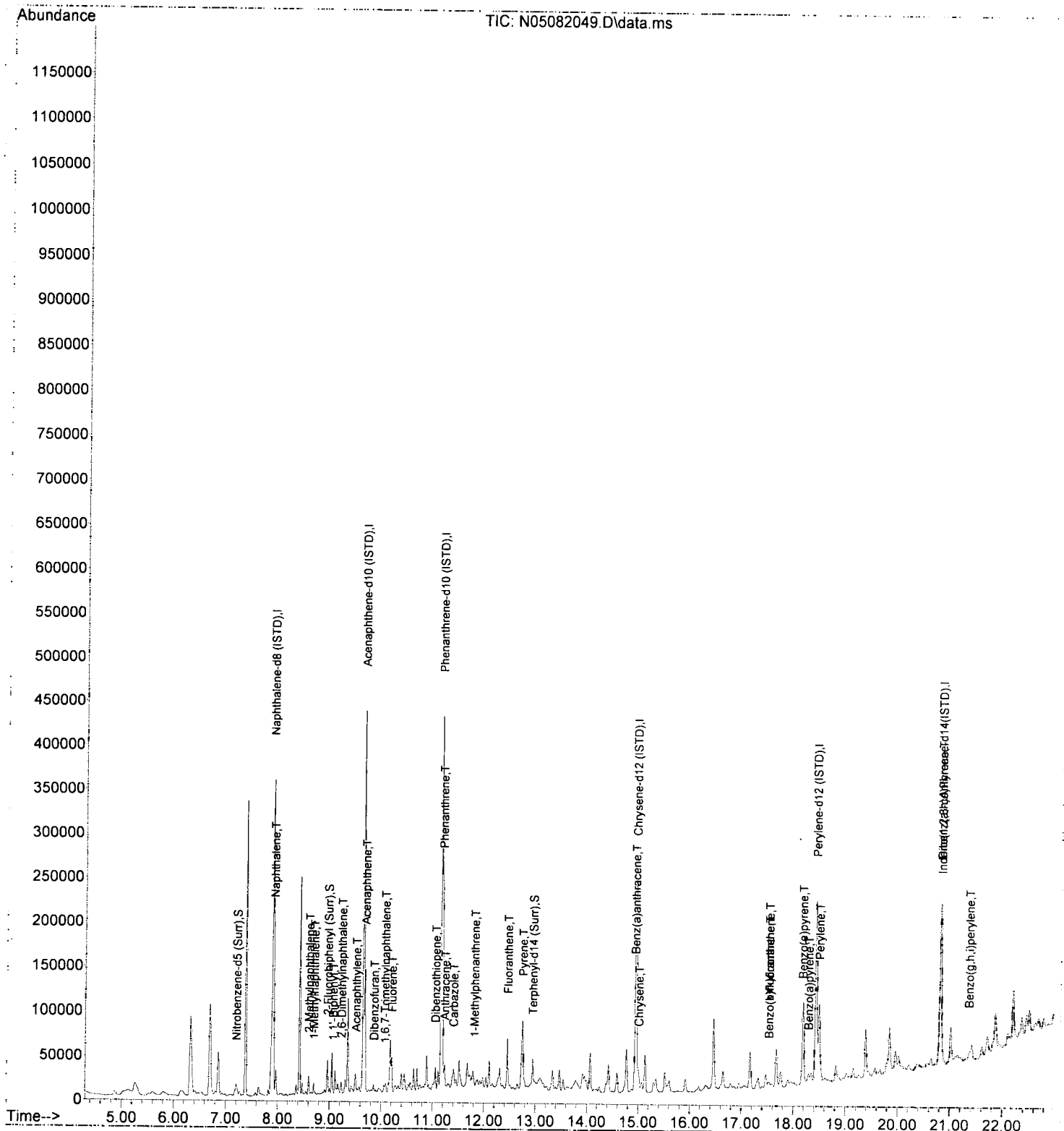
response 7188

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	34.40	21.44
137.00	28.60	24.82
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082049.D
 Acq On : 09 May 2020 10:29 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 11 11:00:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082050.D
 Acq On : 09 May 2020 11:00 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 31 Sample Multiplier: 1

from 5/11/20

RR1

Quant Time: May 11 11:00:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

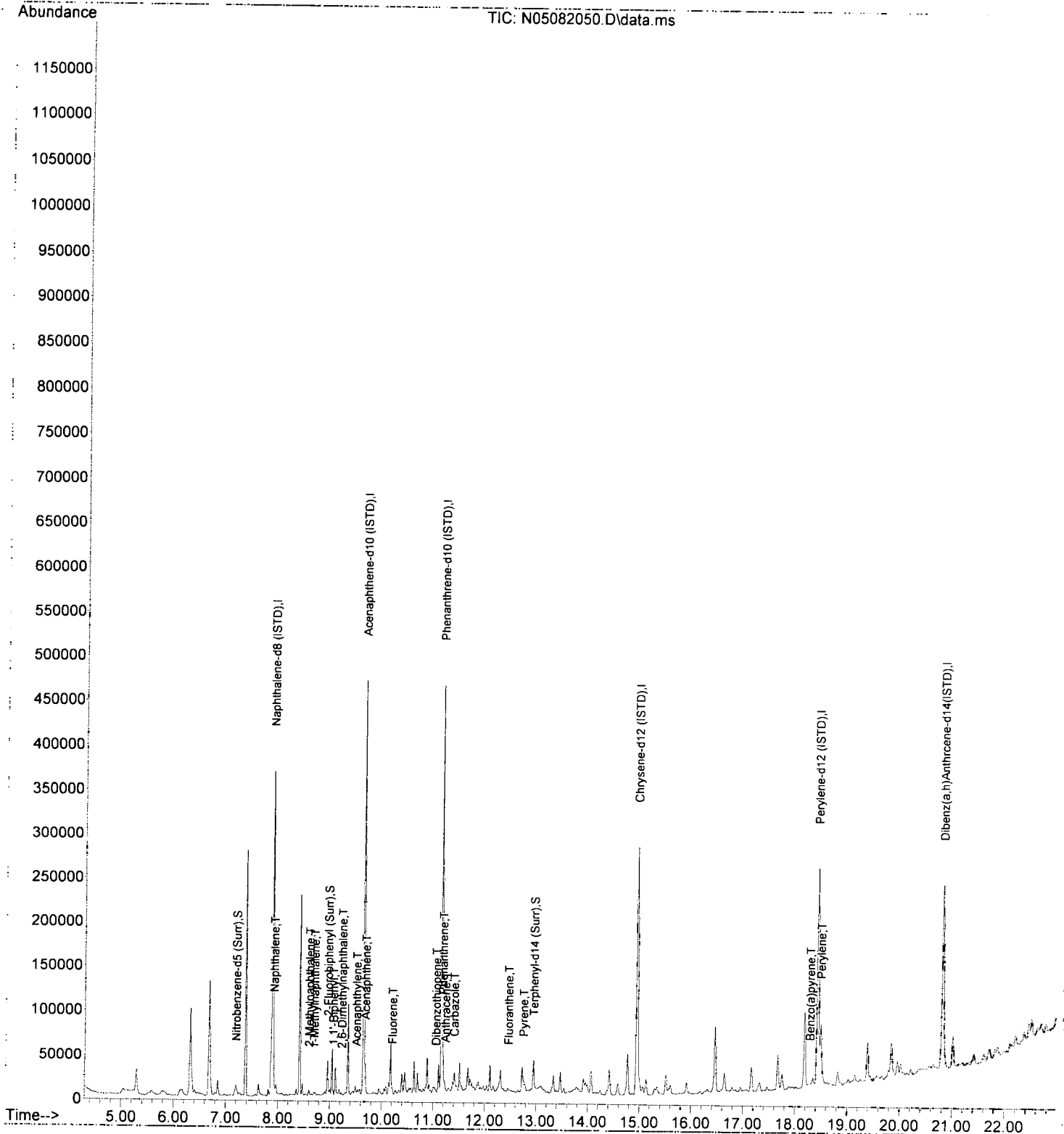
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	268328	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	147392	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	273099	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	233444	100.00	ng/ml	0.01
28) Perylene-d12 (ISTD)	18.433	264	236963	100.00	ng/ml	0.01
35) Dibenz(a,h)Anthracene-d...	20.823	292	199439	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.195	82	5920	7.06	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.961	172	19046	8.35	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	20933	9.28	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.918	128	29148	9.97	ng/ml	97
5) 2-Methylnaphthalene	8.600	142	2222	1.13	ng/ml	99
6) 1-Methylnaphthalene	8.699	142	1484	0.76	ng/ml	97
7) 1,1'-Biphenyl	9.066	154	1185	0.48	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.229	156	948	0.56	ng/ml	95
11) Acenaphthylene	9.509	152	1200	0.44	ng/ml	84
12) Acenaphthene	9.684	153	11609	5.76	ng/ml	99
13) Dibenzofuran	9.859	168	785	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	292	N.D.		
15) Fluorene	10.209	166	2771	1.43	ng/ml	97
17) Dibenzothiopene	11.054	184	1221	0.44	ng/ml	95
18) Phenanthrene	11.182	178	9178	2.92	ng/ml	98
19) Anthracene	11.235	178	1349	0.52	ng/ml	96
20) Carbazole	11.404	167	3685	1.66	ng/ml	95
21) 1-Methylphenanthrene	11.806	192	455	N.D.		
22) Fluoranthene	12.459	202	2573	0.83	ng/ml	95
24) Pyrene	12.750	202	2543	0.84	ng/ml	98
26) Benz(a)anthracene	14.953	228	910	N.D.		
27) Chrysene	15.011	228	459	N.D.		
29) Benzo(b)fluoranthene	17.518	252	196	N.D.		
30) Benzo(k)fluoranthene	17.541	252	518	N.D.		
31) Benzo(b+k)fluoranthene	17.541	252	549	N.D.		
32) Benzo(e)pyrene	18.182	252	483	N.D.		
33) Benzo(a)pyrene	18.287	252	290	0.46	ng/ml#	1
34) Perylene	18.491	252	63025	23.90	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.828	276	291	N.D.		
37) Dibenz(a,h)anthracene	20.817	278	109	N.D.		
38) Benzo(g,h,i)perylene	21.371	276	392	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082050.D
 Acq On : 09 May 2020 11:00 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 11 11:00:18 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Data Path : R:\data\2020-05\0E08047\
 Data File : N05082051.D
 Acq On : 09 May 2020 11:31 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 32 Sample Multiplier: 1

JEAN ST/11/20

RR

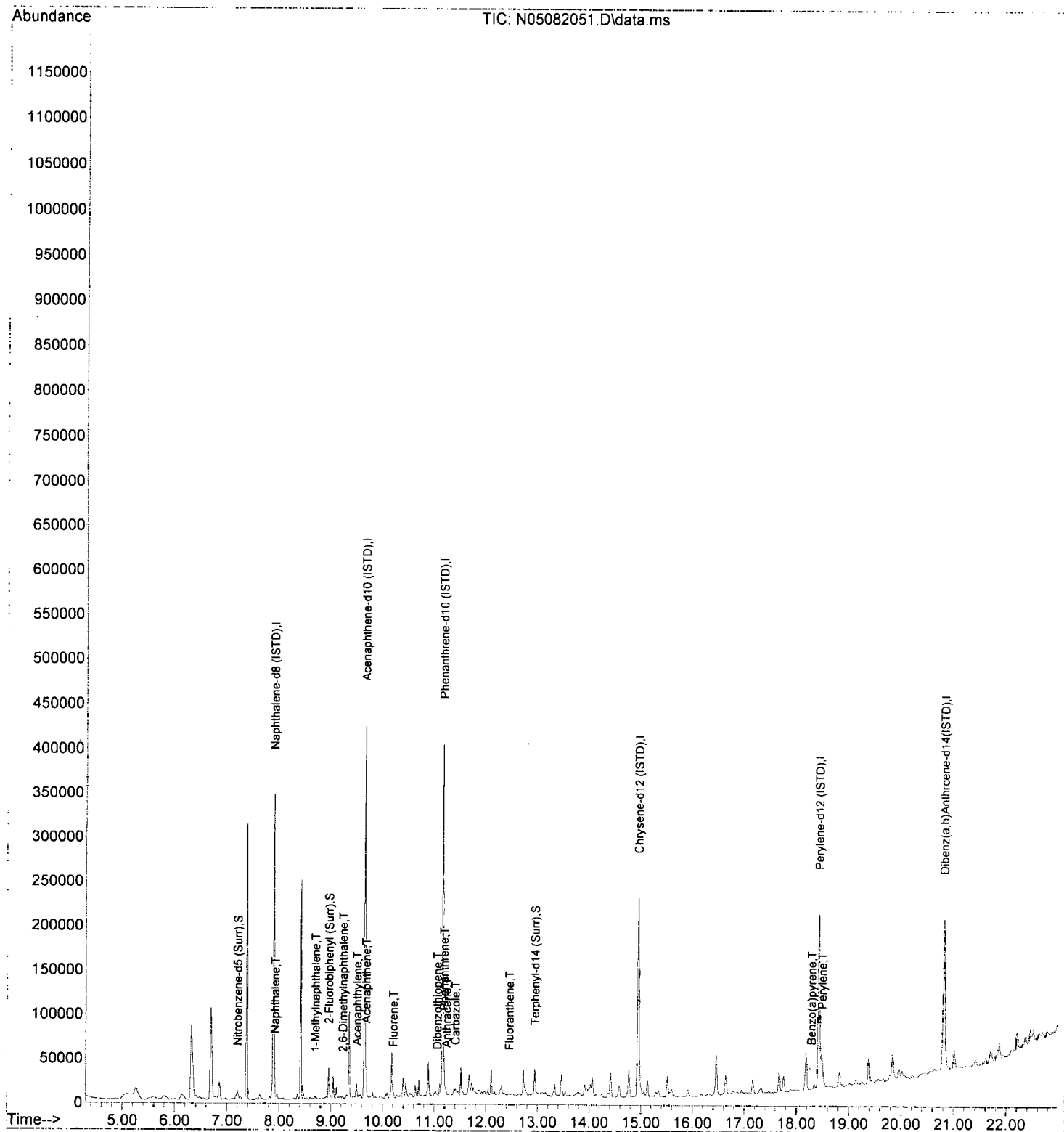
Quant Time: May 11 11:00:22 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	247623	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	131026	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	235503	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.948	240	188029	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	186076	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.817	292	166771	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	5243	6.78	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	17126	8.44	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	17819	9.81	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.918	128	4725	1.75	ng/ml	95
5) 2-Methylnaphthalene	8.600	142	602	N.D.		
6) 1-Methylnaphthalene	8.699	142	1331	0.74	ng/ml	99
7) 1,1'-Biphenyl	9.061	154	884	N.D.		
8) 2,6-Dimethylnaphthalene	9.230	156	948	0.61	ng/ml	93
11) Acenaphthylene	9.504	152	1289	0.53	ng/ml	87
12) Acenaphthene	9.679	153	11691	6.52	ng/ml	99
13) Dibenzofuran	9.853	168	750	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.057	170	229	N.D.		
15) Fluorene	10.203	166	3116	1.81	ng/ml	97
17) Dibenzothiopene	11.054	184	1598	0.67	ng/ml	97
18) Phenanthrene	11.182	178	11629	(4.29)	ng/ml	97
19) Anthracene	11.235	178	1272	0.57	ng/ml	95
20) Carbazole	11.404	167	3805	1.99	ng/ml	97
21) 1-Methylphenanthrene	11.806	192	203	N.D.		
22) Fluoranthene	12.453	202	1119	0.42	ng/ml	82
24) Pyrene	12.744	202	859	N.D.		
26) Benz(a)anthracene	14.942	228	687	N.D.		
27) Chrysene	15.006	228	177	N.D.		
29) Benzo(b)fluoranthene	17.518	252	96	N.D.		
30) Benzo(k)fluoranthene	17.588	252	75	N.D.		
31) Benzo(b+k)fluoranthene	17.547	252	294	N.D.		
32) Benzo(e)pyrene	18.177	252	278	N.D.		
33) Benzo(a)pyrene	18.287	252	177	0.43	ng/ml#	34
34) Perylene	18.491	252	35185	16.99	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.817	276	240	N.D.		
37) Dibenz(a,h)anthracene	20.887	278	74	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	229	N.D.		

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

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082051.D
 Acq On : 09 May 2020 11:31 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: May 11 11:00:22 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082052.D
 Acq On : 09 May 2020 12:02 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 33 Sample Multiplier: 1

Handwritten: Jean 5/11/20

Handwritten: RR1

Quant Time: May 11 11:00:26 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

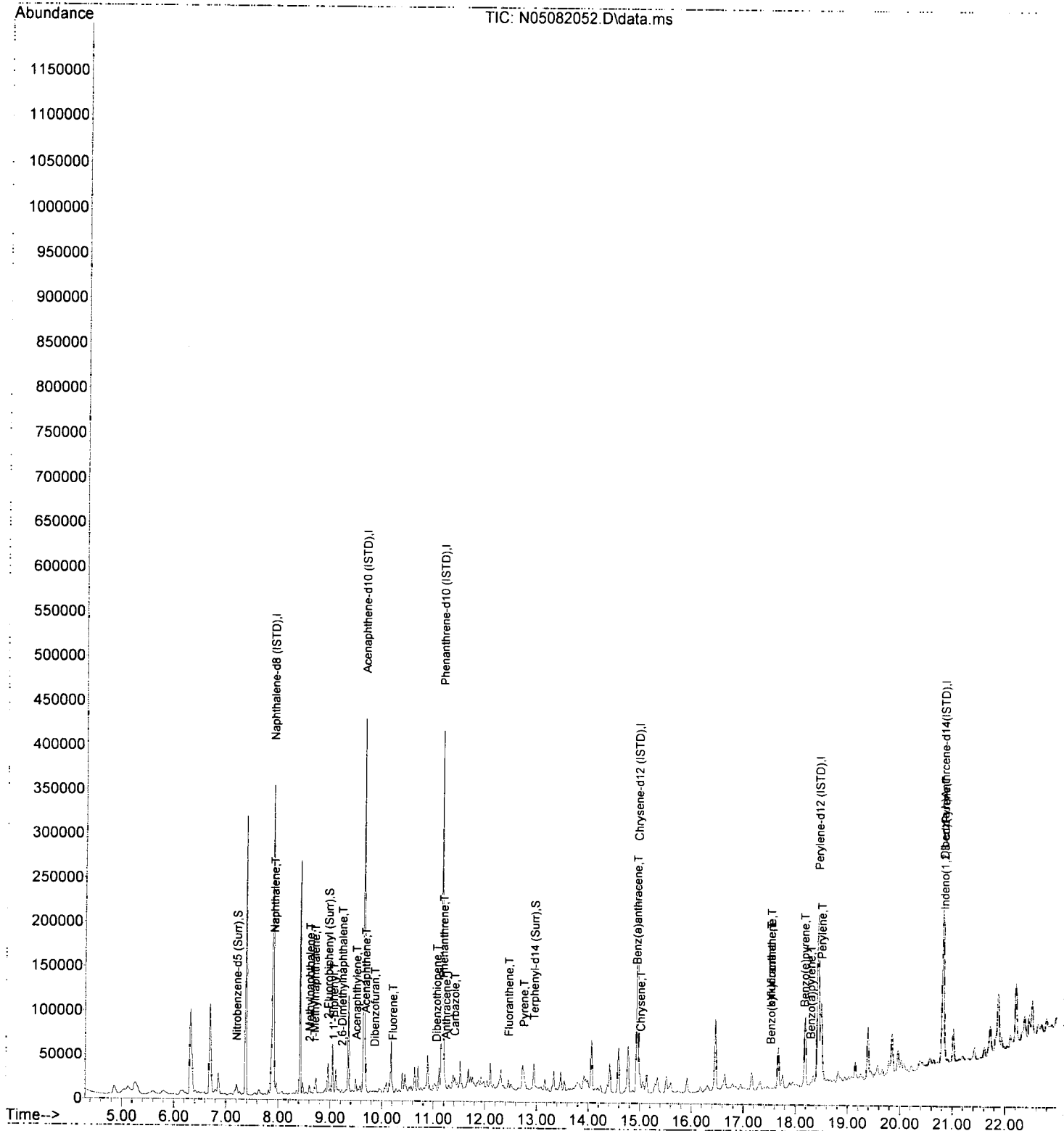
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	249951	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	132085	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	239299	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.948	240	192453	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	187907	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.817	292	162866	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	5243	6.71	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	17376	8.50	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	17081	9.19	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0			Qvalue
4) Naphthalene	7.912	128	62074	<u>22.80</u>	ng/ml	98
5) 2-Methylnaphthalene	8.600	142	3750	2.05	ng/ml	98
6) 1-Methylnaphthalene	8.699	142	3307	1.82	ng/ml	97
7) 1,1'-Biphenyl	9.061	154	2479	1.08	ng/ml	94
8) 2,6-Dimethylnaphthalene	9.224	156	1401	0.89	ng/ml	96
11) Acenaphthylene	9.504	152	2278	0.92	ng/ml	93
12) Acenaphthene	9.678	153	13754	<u>7.61</u>	ng/ml	97
13) Dibenzofuran	9.853	168	1168	0.53	ng/ml	83
14) 1,6,7-Trimethylnaphtha...	10.075	170	393	N.D.		
15) Fluorene	10.203	166	4073	2.34	ng/ml	99
17) Dibenzothiopene	11.054	184	2938	1.21	ng/ml	96
18) Phenanthrene	11.182	178	23063	<u>8.37</u>	ng/ml	99
19) Anthracene	11.235	178	3448	1.53	ng/ml	97
20) Carbazole	11.404	167	2408	1.24	ng/ml	96
21) 1-Methylphenanthrene	11.806	192	432	N.D.		
22) Fluoranthene	12.453	202	7230	(2.66)	ng/ml	94
24) Pyrene	12.744	202	9163	(3.67)	ng/ml	98
26) Benz(a)anthracene	14.930	228	1443	0.72	ng/ml	75
27) Chrysene	15.006	228	1397	0.68	ng/ml	96
29) Benzo(b)fluoranthene	17.524	252	1198	0.62	ng/ml	98
30) Benzo(k)fluoranthene	17.524	252	1314	0.68	ng/ml	95
31) Benzo(b+k)fluoranthene	17.524	252	1680	0.82	ng/ml	95
32) Benzo(e)pyrene	18.165	252	1068	0.53	ng/ml#	26
33) Benzo(a)pyrene	18.287	252	921	0.91	ng/ml	82
34) Perylene	18.491	252	86266	41.25	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.829	276	758	0.43	ng/ml#	35
37) Dibenz(a,h)anthracene	20.881	278	147	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	734	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082052.D
 Acq On : 09 May 2020 12:02 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 33 Sample Multiplier: 1

Quant Time: May 11 11:00:26 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : AOD0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

HEM 5/11/20

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

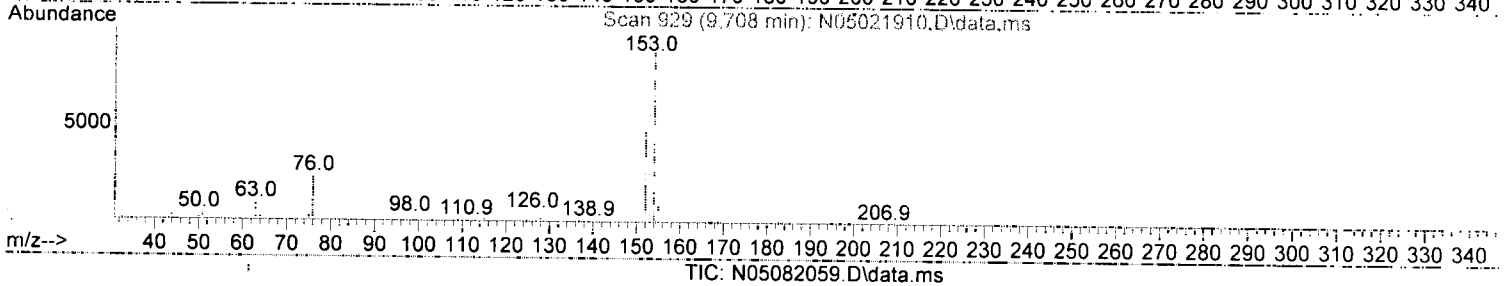
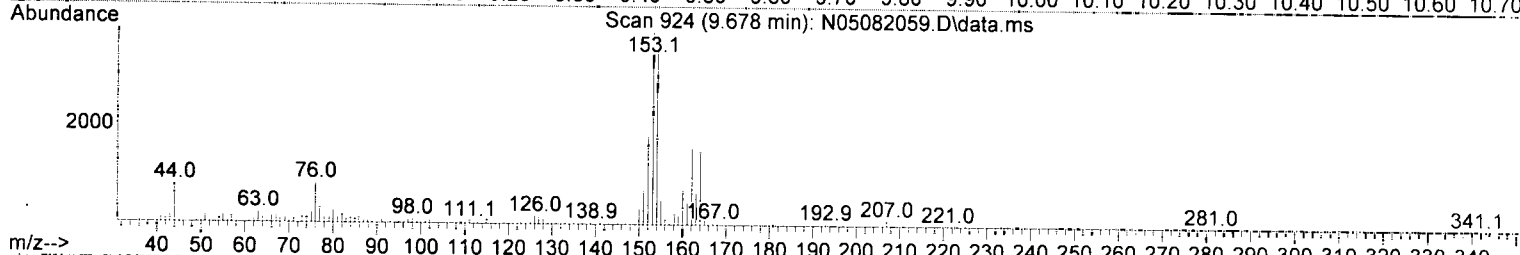
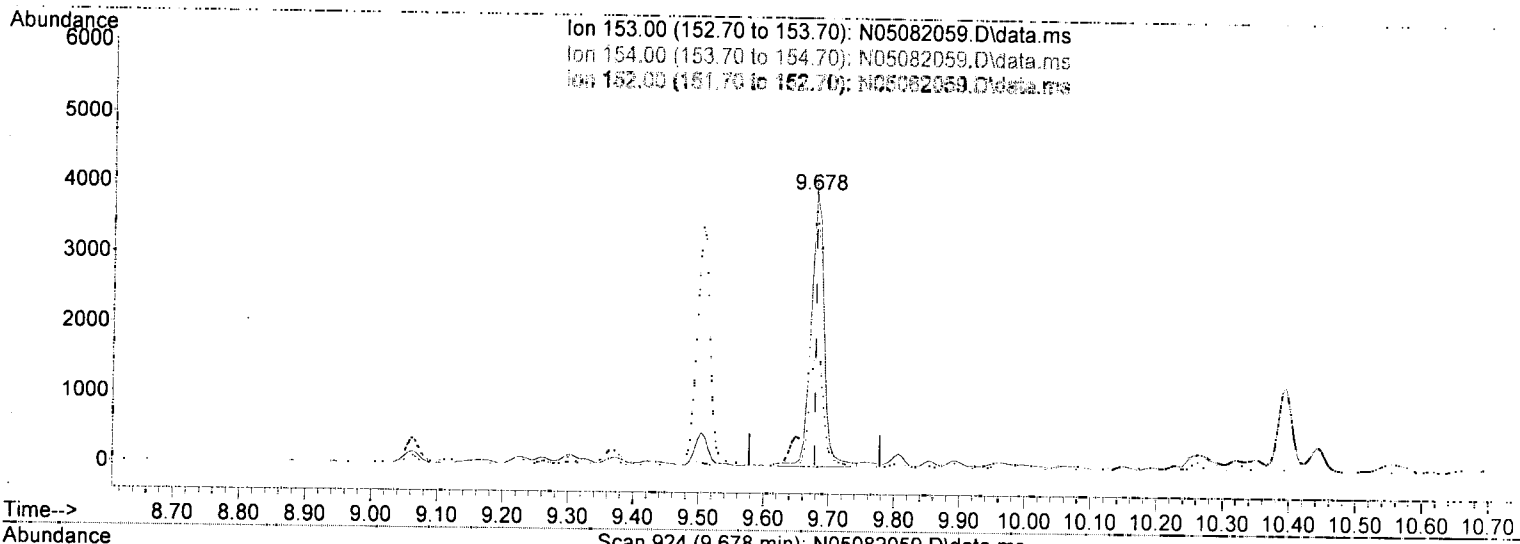
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.889	136	257167	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	144287	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	248089	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.948	240	194919	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	199976	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.817	292	163990	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.178	82	279	0.35	ng/ml	-0.02
10) 2-Fluorobiphenyl (Surr)	8.961	172	177	0.08	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	237	0.13	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.912	128	3302	1.18	ng/ml	96
5) 2-Methylnaphthalene	8.600	142	614	N.D.		
6) 1-Methylnaphthalene	8.699	142	816	0.44	ng/ml	92
7) 1,1'-Biphenyl	9.061	154	530	N.D.		
8) 2,6-Dimethylnaphthalene	9.230	156	786	0.48	ng/ml	97
11) Acenaphthylene	9.504	152	4887	1.82	ng/ml	96
12) Acenaphthene	9.678	153	5624	(2.85)	ng/ml	99 j
13) Dibenzofuran	9.853	168	371	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.063	170	318	N.D.		
15) Fluorene	10.203	166	2904	1.53	ng/ml	94
17) Dibenzothiopene	11.054	184	3770	1.50	ng/ml	94
18) Phenanthrene	11.182	178	31938	11.18	ng/ml	100
19) Anthracene	11.235	178	6255	(2.67)	ng/ml	98 j
20) Carbazole	11.404	167	650	N.D.		
21) 1-Methylphenanthrene	11.806	192	1255	0.65	ng/ml	90
22) Fluoranthene	12.453	202	35921	12.76	ng/ml	95
24) Pyrene	12.744	202	45199	17.88	ng/ml	99
26) Benz(a)anthracene	14.924	228	9921	(4.91)	ng/ml#	62
27) Chrysene	15.006	228	12742	6.13	ng/ml	99
29) Benzo(b)fluoranthene	17.524	252	13734	6.64	ng/ml	92
30) Benzo(k)fluoranthene	17.524	252	16702	8.10	ng/ml	90 M - ND
31) Benzo(b+k)fluoranthene	17.524	252	19577	9.01	ng/ml	90
32) Benzo(e)pyrene	18.171	252	9671	4.47	ng/ml	96
33) Benzo(a)pyrene	18.287	252	13251	8.43	ng/ml	96 ✓
34) Perylene	18.485	252	4749	2.13	ng/ml	95
36) Indeno(1,2,3-cd)Pyrene	20.829	276	10765	6.04	ng/ml	81
37) Dibenz(a,h)anthracene	20.881	278	1120	0.62	ng/ml	83
38) Benzo(g,h,i)perylene	21.365	276	13859	7.25	ng/ml	79

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

9.678min (+ 0.000) 2.85 ng/ml

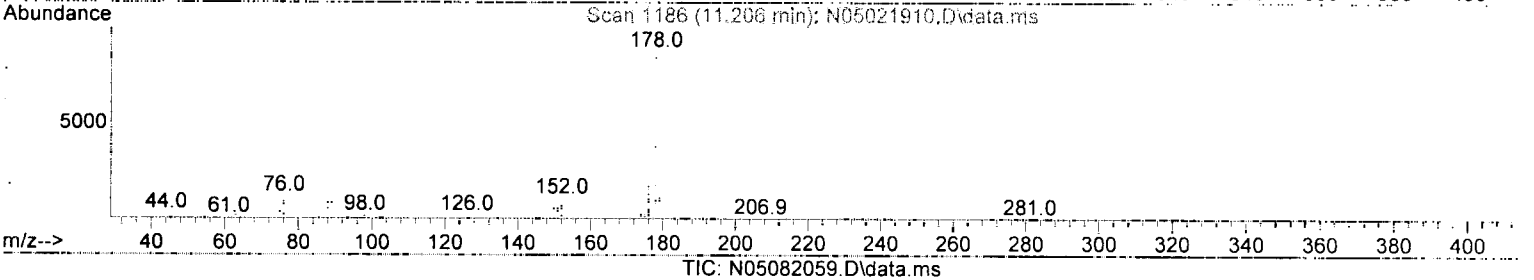
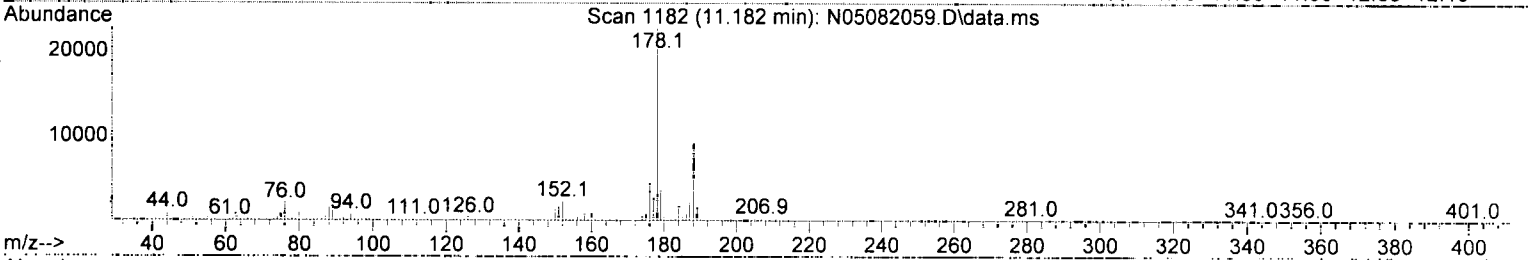
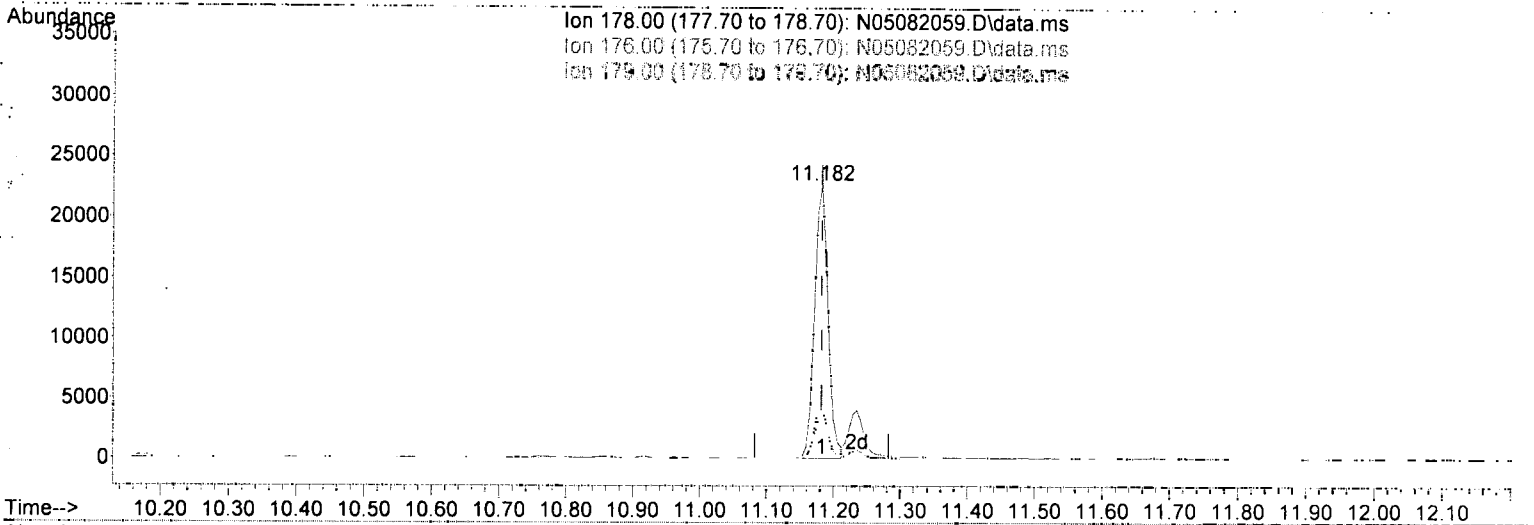
response 5624

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.83
152.00	46.80	46.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.182min (+ 0.000) 11.18 ng/ml

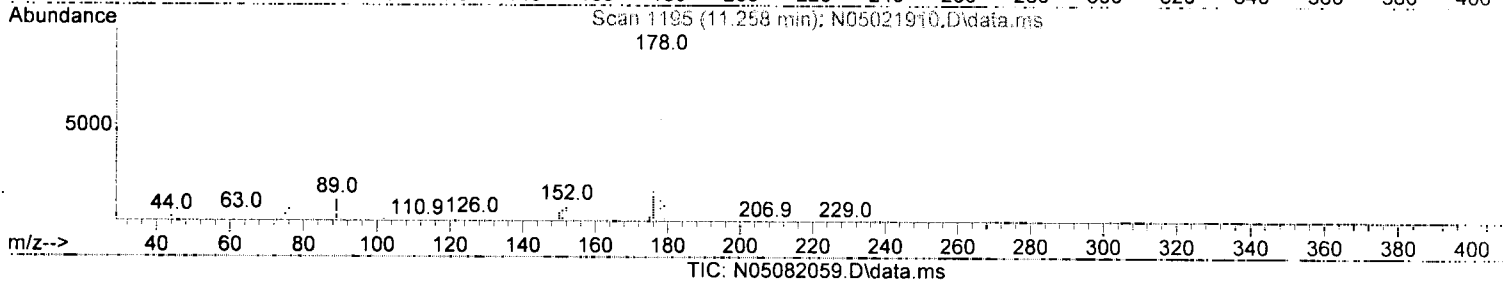
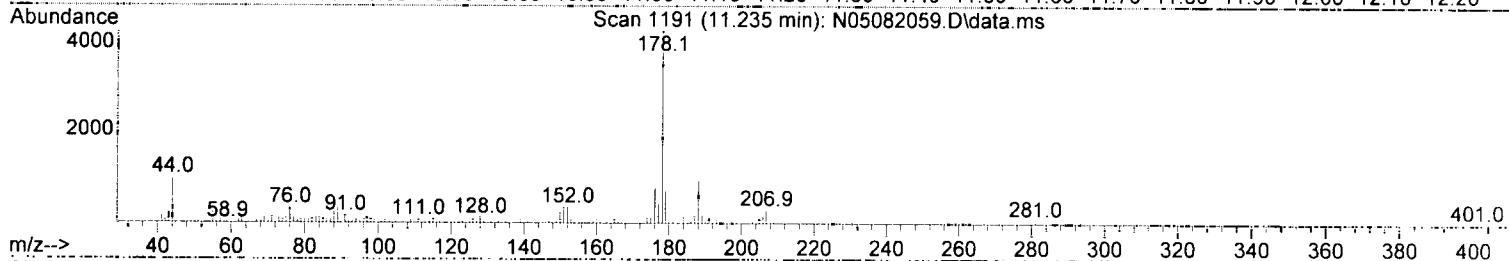
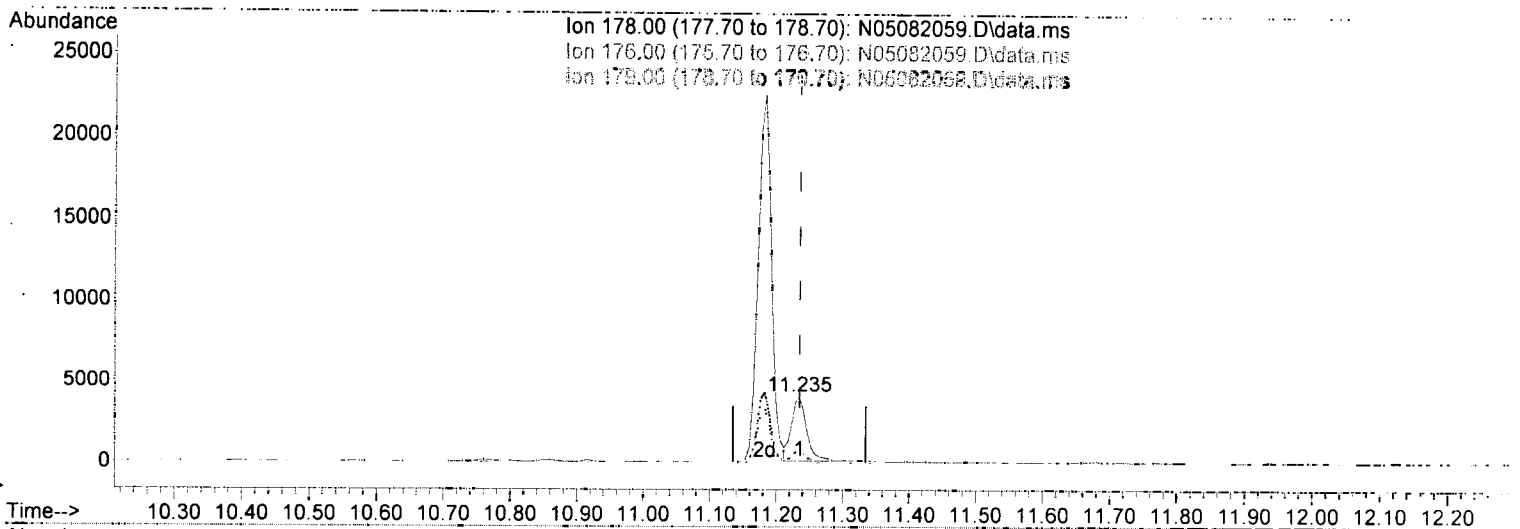
response 31938

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.08
179.00	15.10	14.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.235min (+ 0.000) 2.67 ng/ml

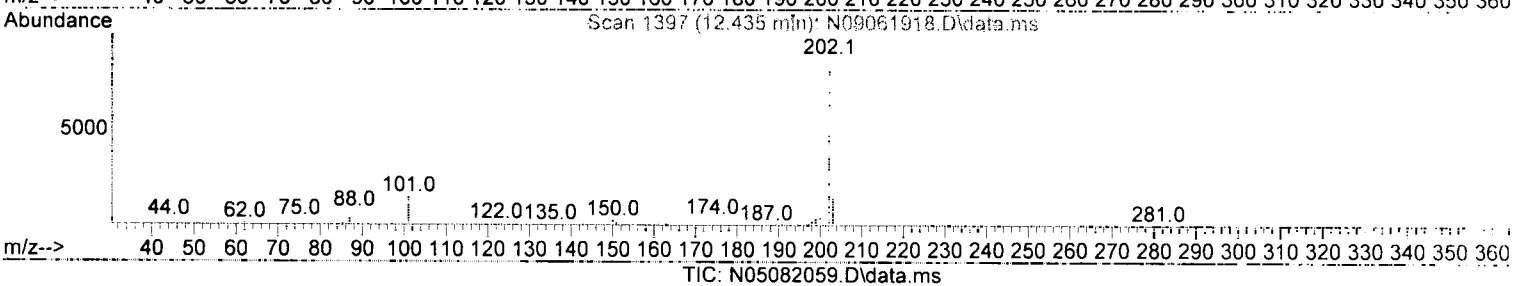
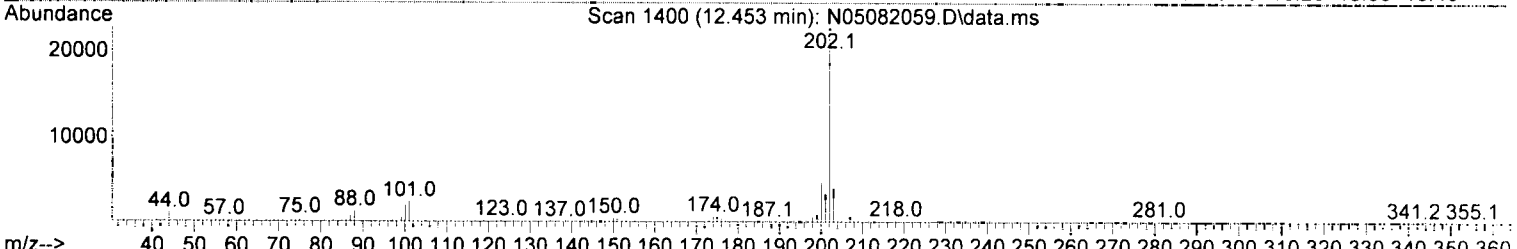
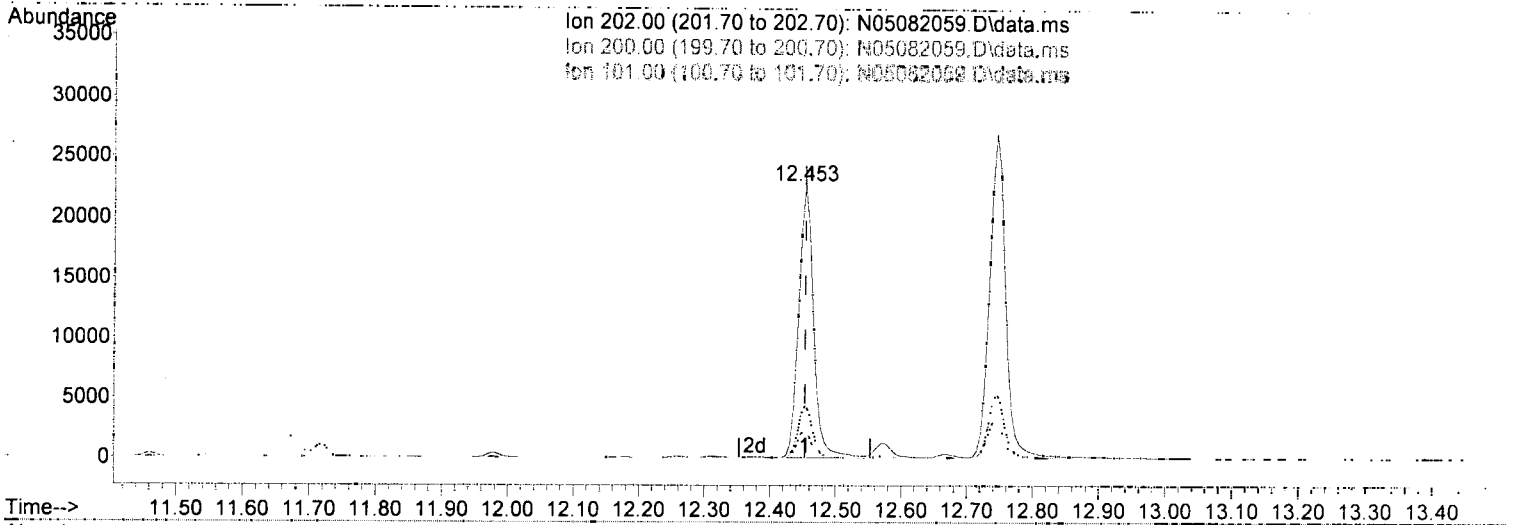
response 6255

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.62
179.00	15.30	16.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.453min (+ 0.000) 12.76 ng/ml

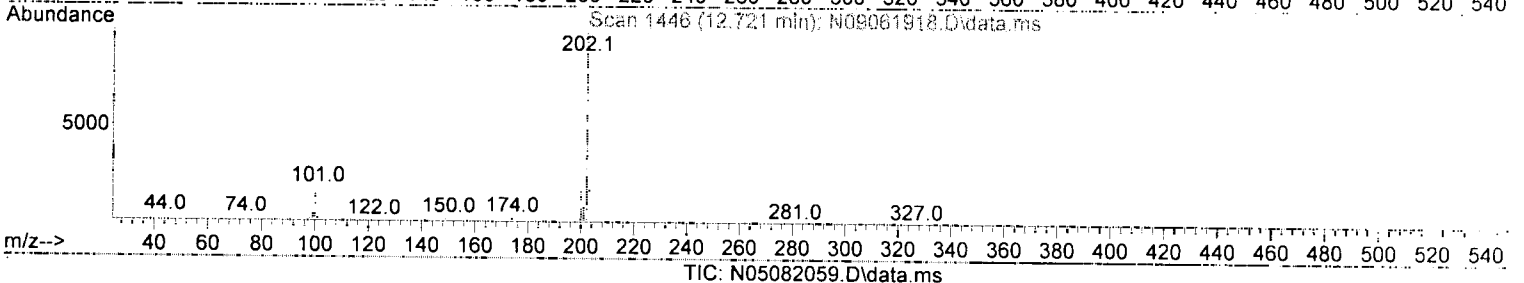
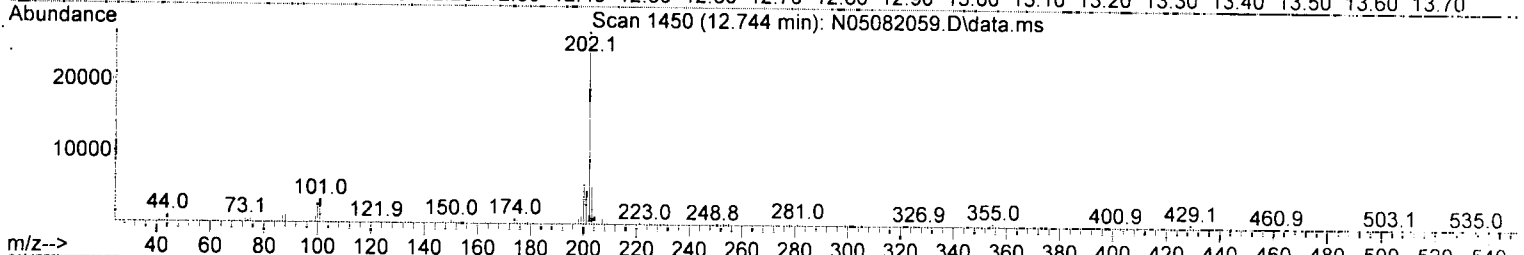
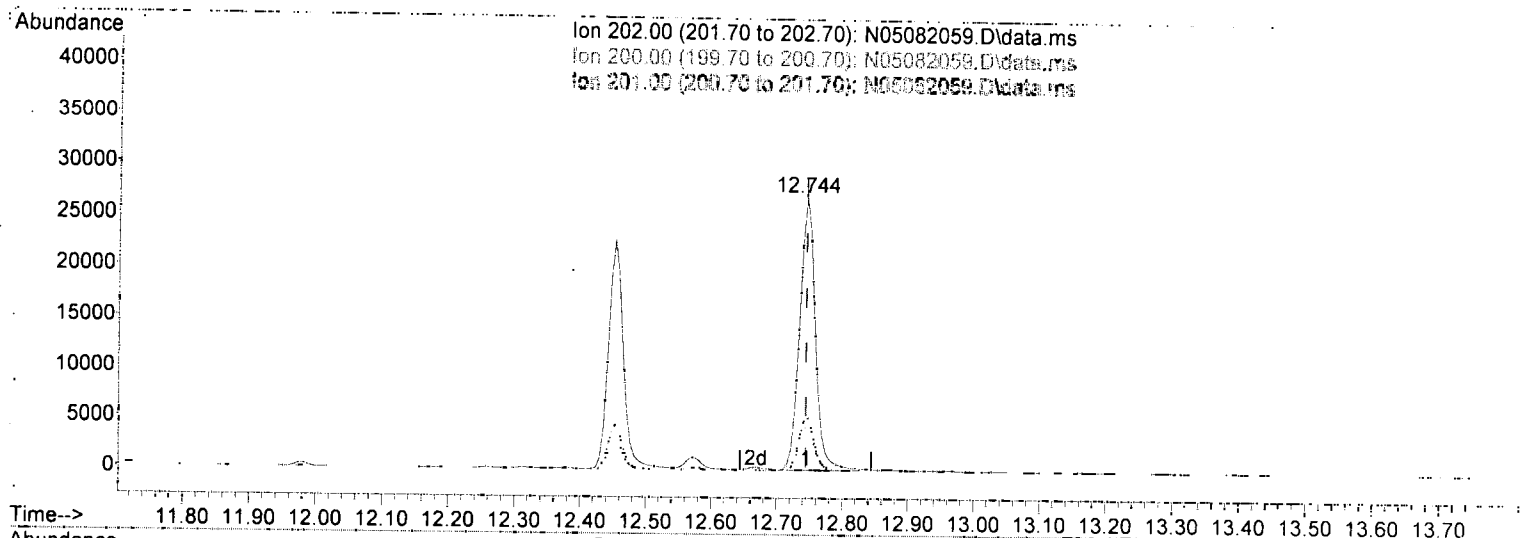
response 35921

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.80
101.00	15.30	10.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.744min (+ 0.000) 17.88 ng/ml

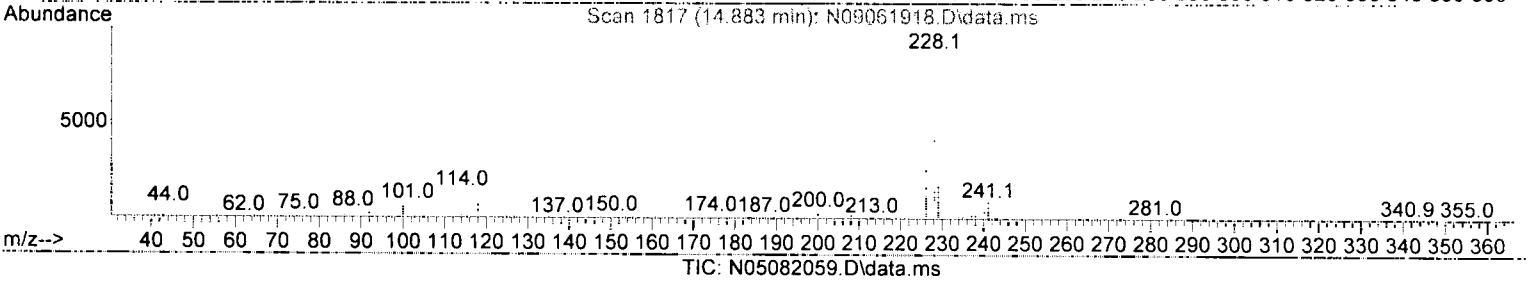
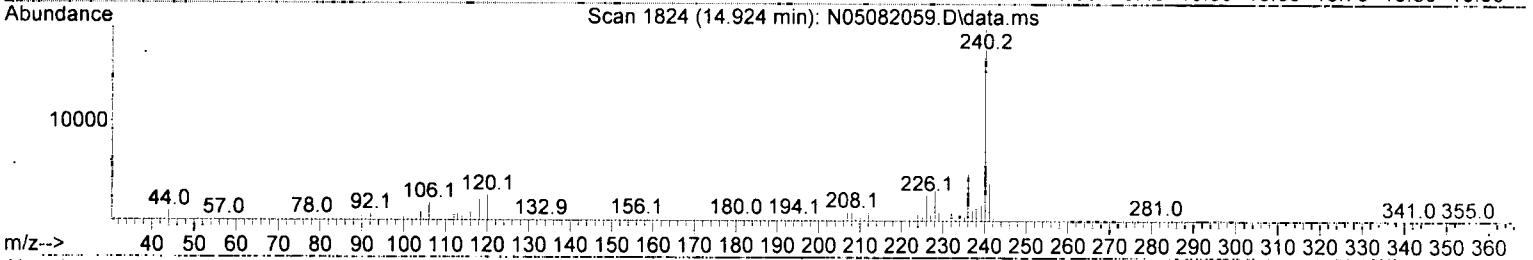
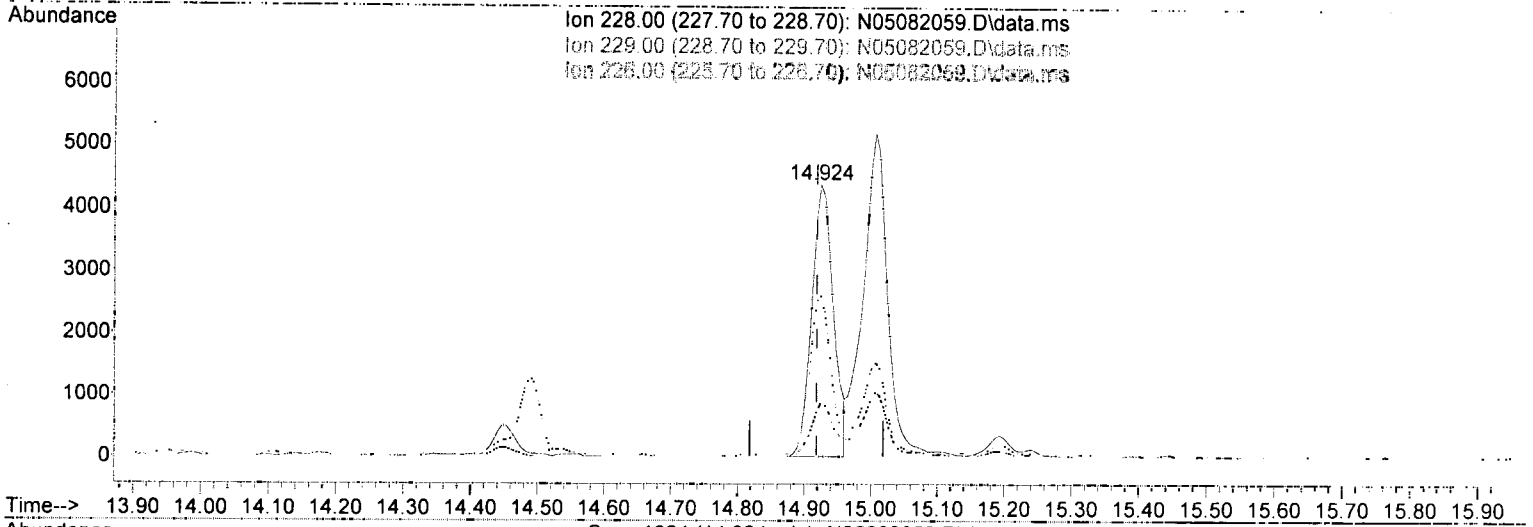
response 45199

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.42
201.00	16.80	16.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

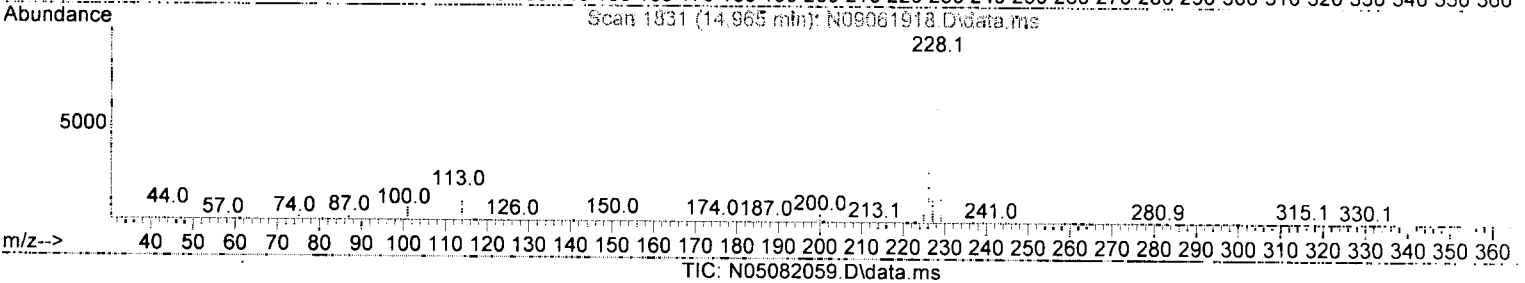
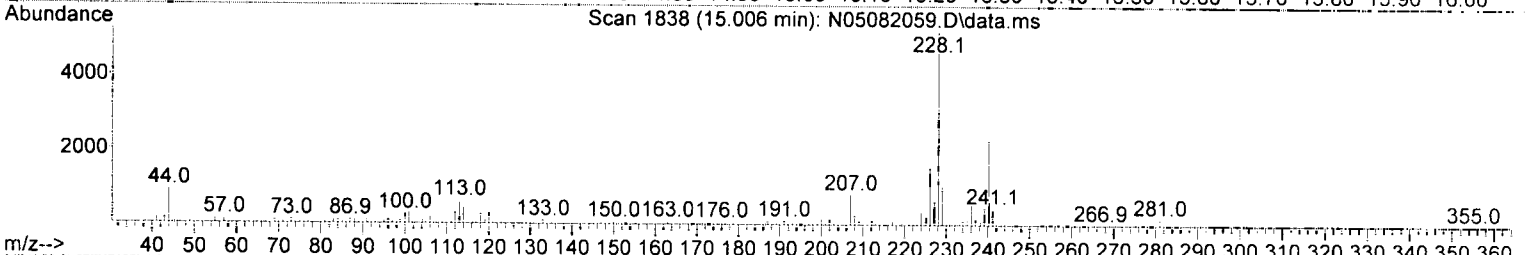
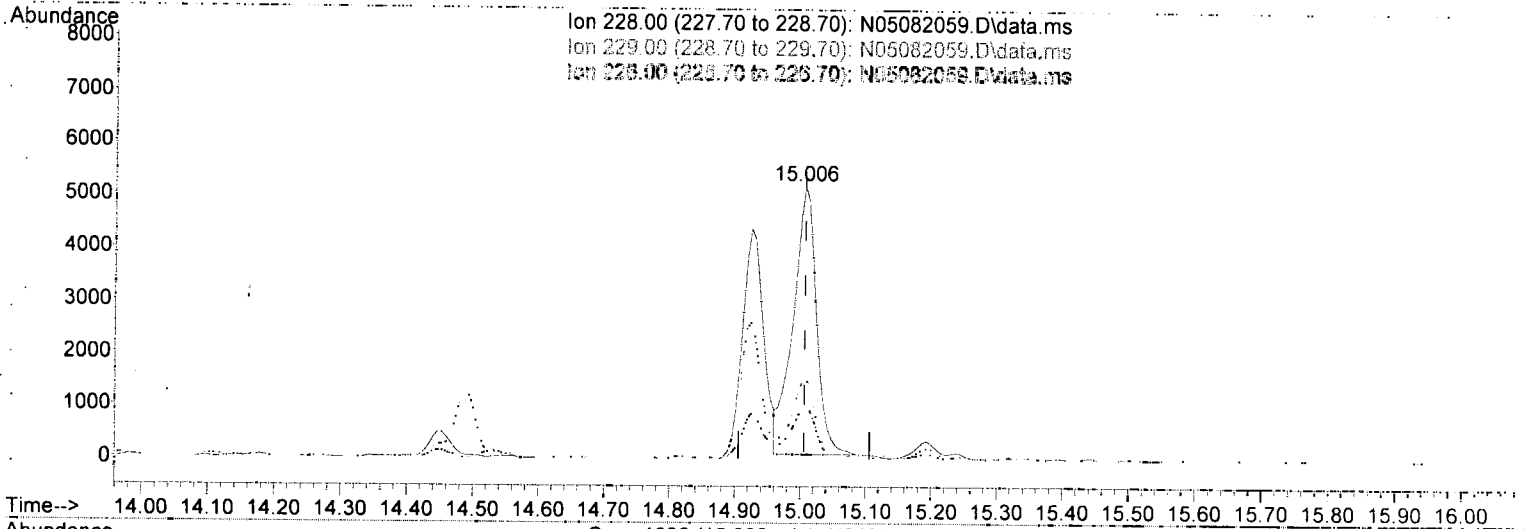
14.924min (+ 0.006) 4.91 ng/ml

response	9921
Ion	Exp% Act%
228.00	100.00 100.00
229.00	19.40 19.67
226.00	26.20 59.39#
0.00	0.00 0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(27) Chrysene (T)

15.006min (+ 0.000) 6.13 ng/ml

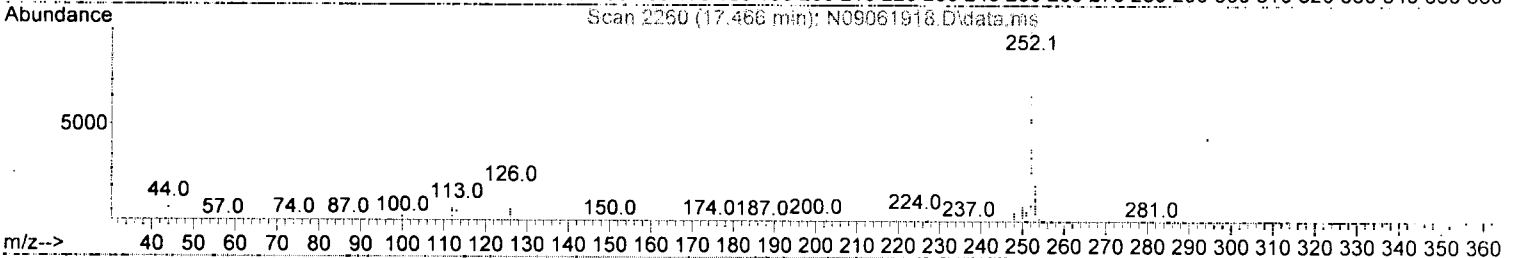
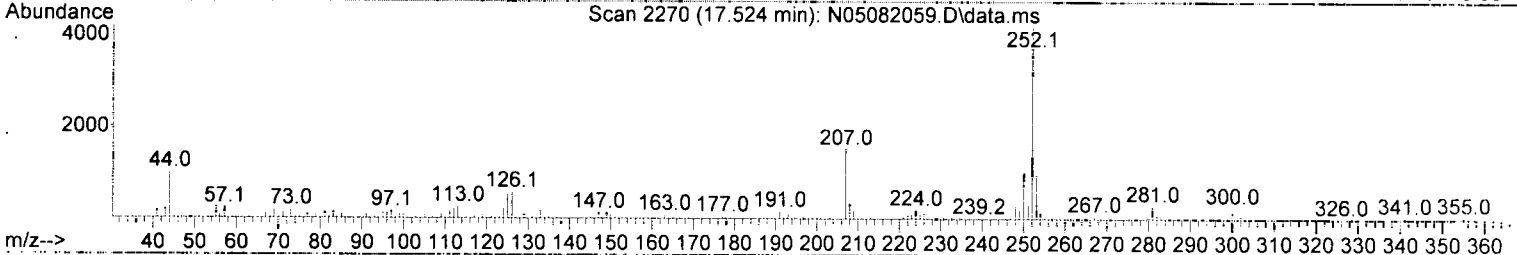
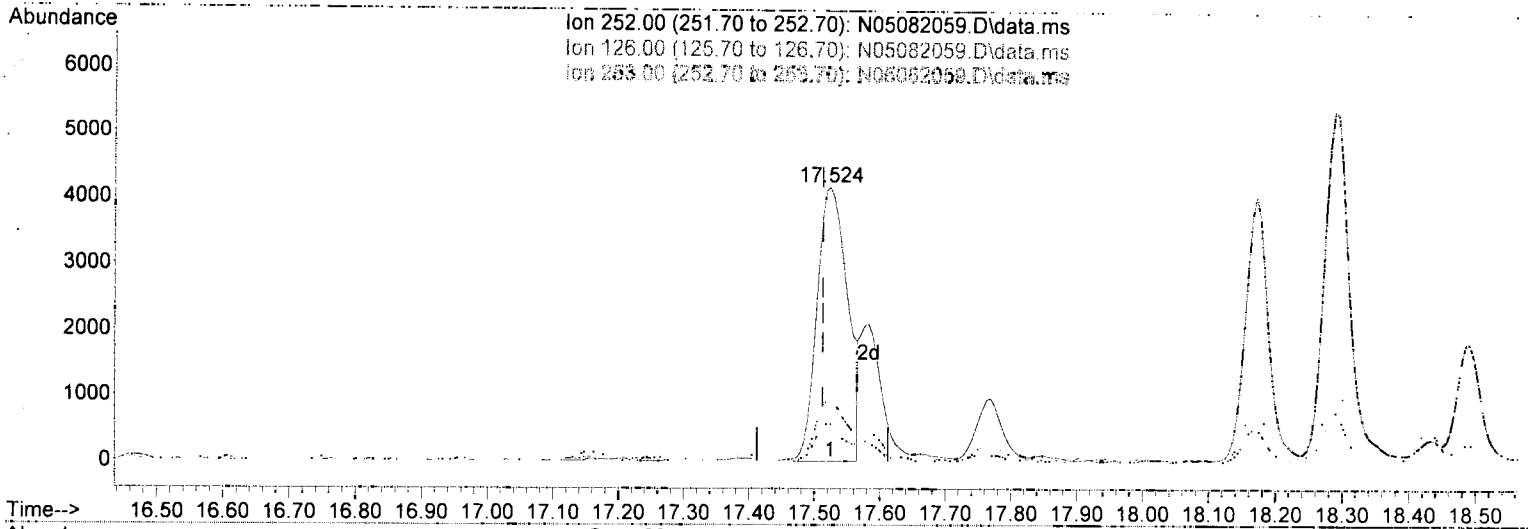
response 12742

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.00
226.00	28.60	29.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05082059.D\data.ms

(29) Benzo (b)fluoranthene (T)

17.524min (+ 0.012) 6.64 ng/ml

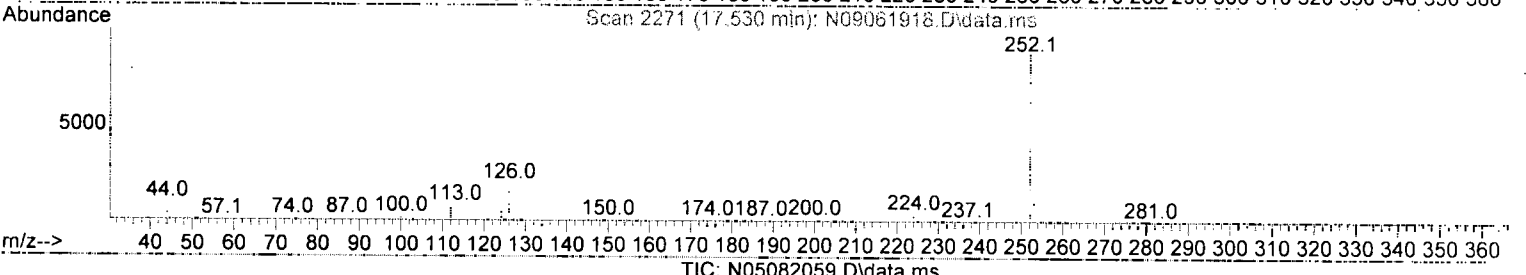
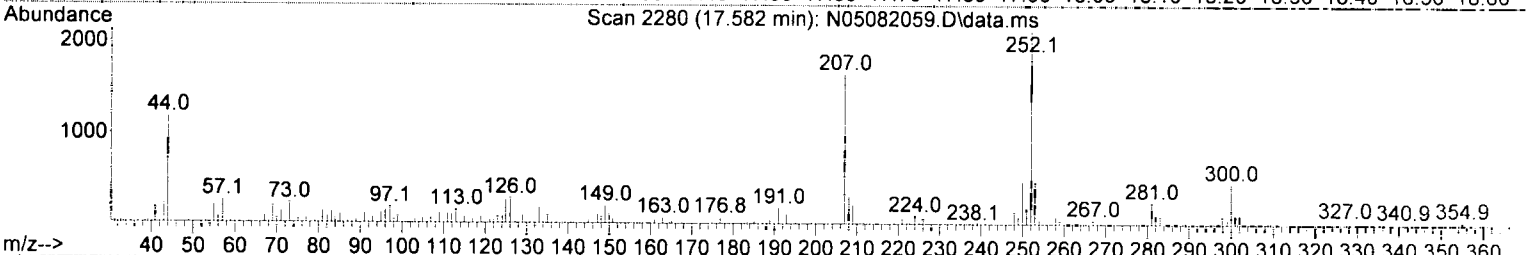
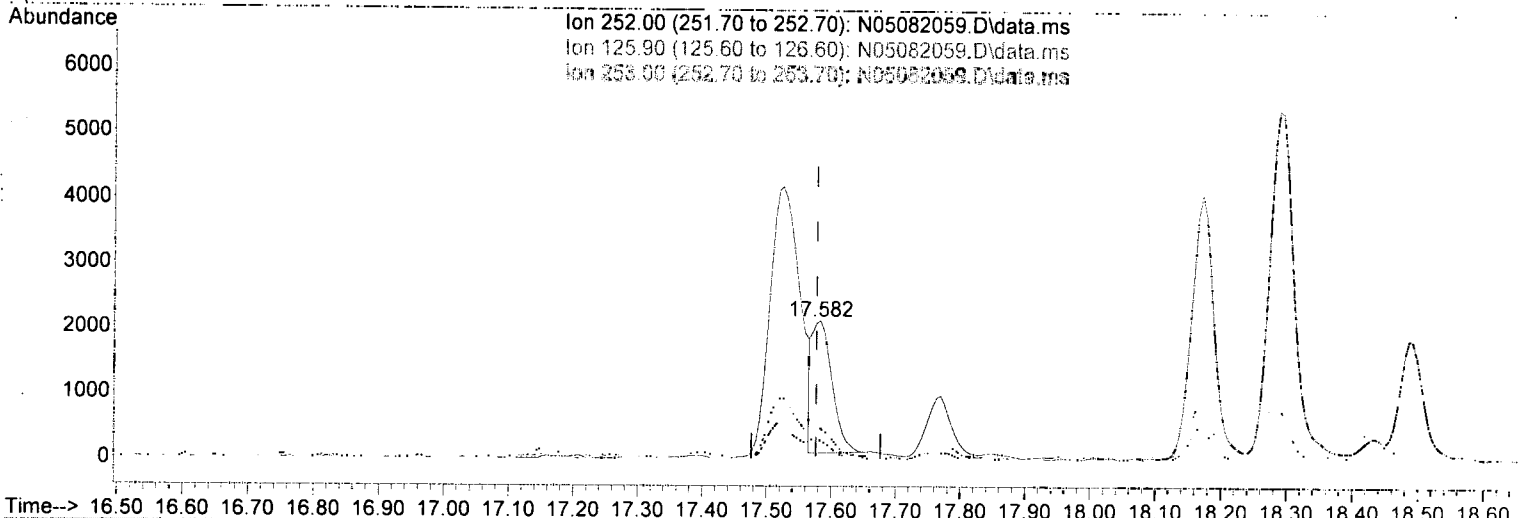
response 13734

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.87
253.00	21.10	22.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(30) Benzo (k)fluoranthene (T)

17.582min (+ 0.006) 2.11 ng/ml/m *RM 5/11/20*

response 4346

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.65
253.00	21.50	22.60
0.00	0.00	0.00

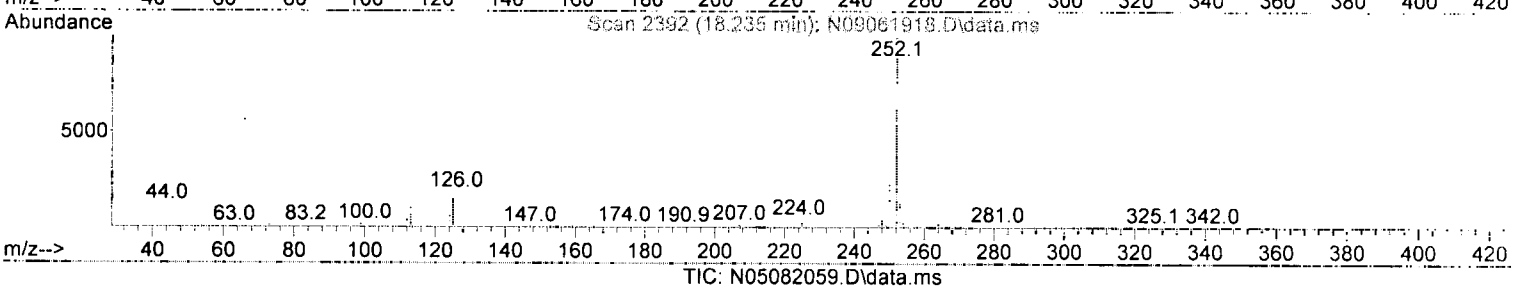
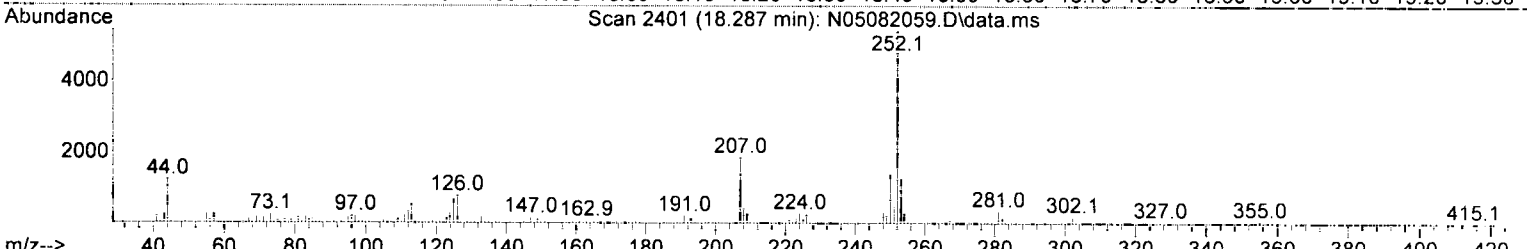
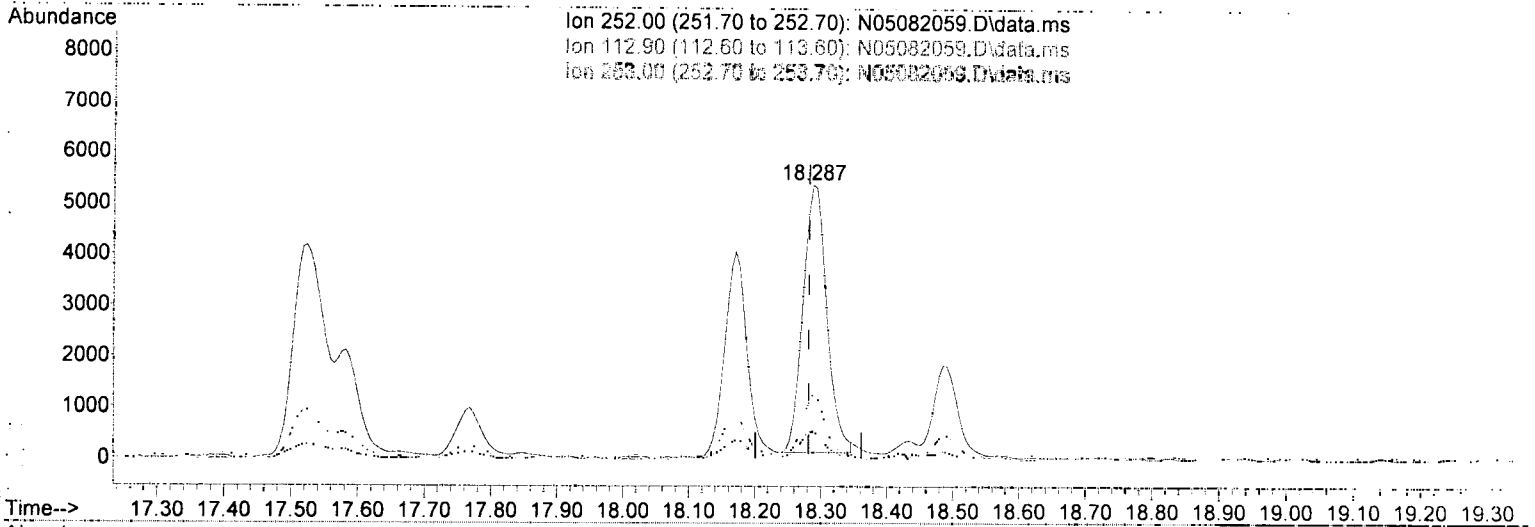
ND

✓

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

18.287min (+ 0.006) 8.43 ng/ml

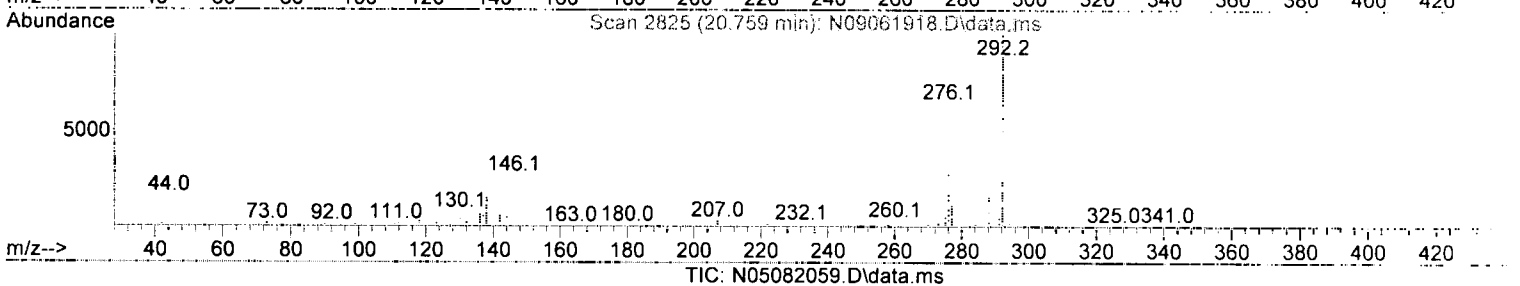
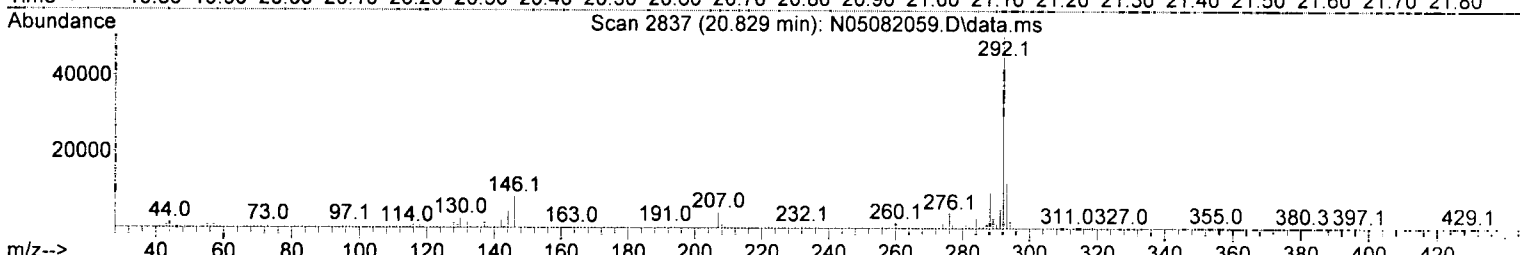
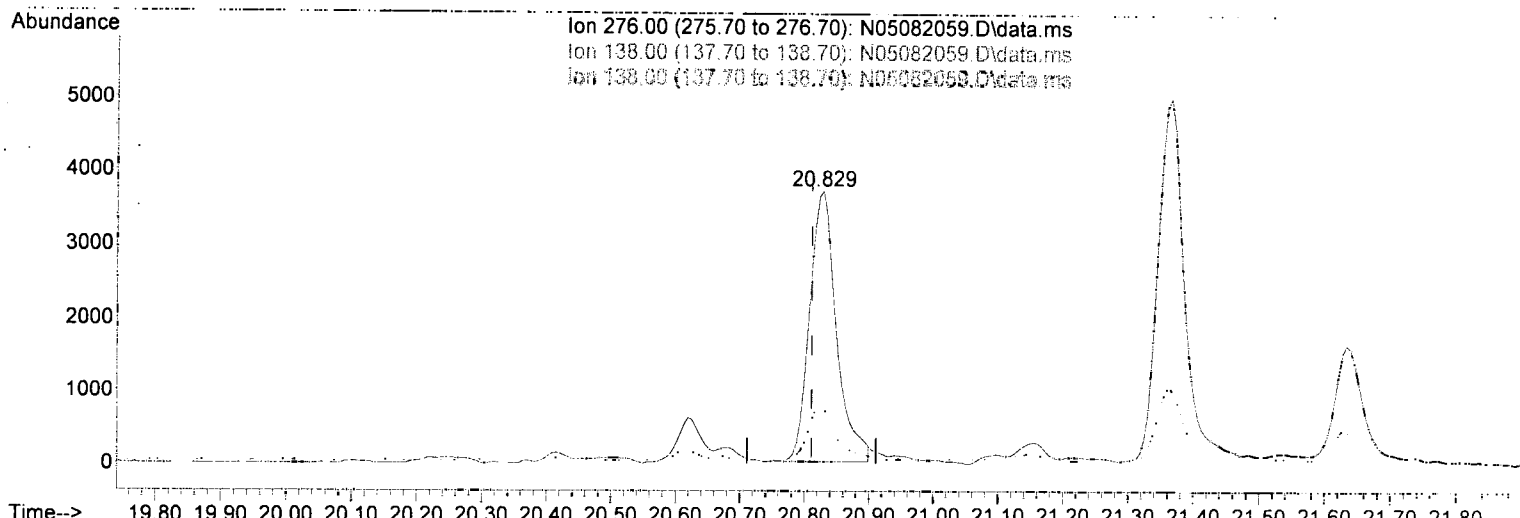
response 13251

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.94
253.00	21.90	23.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.829min (+ 0.018) 6.04 ng/ml

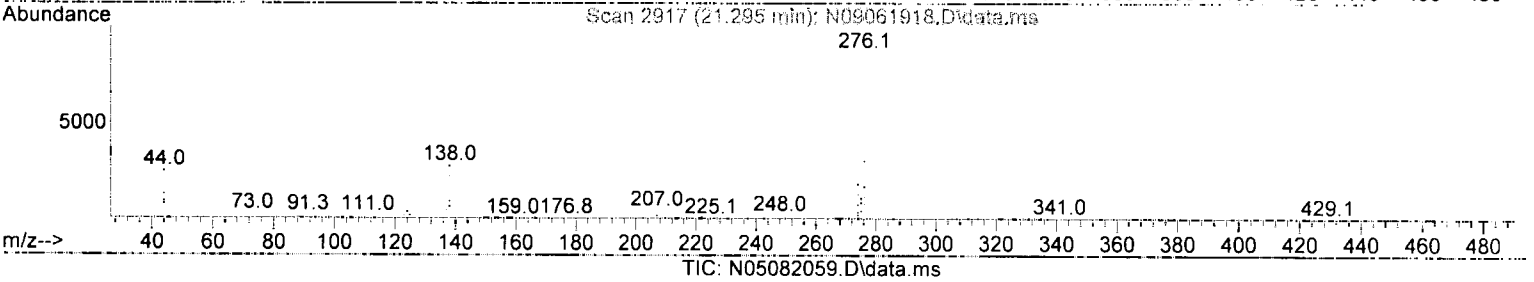
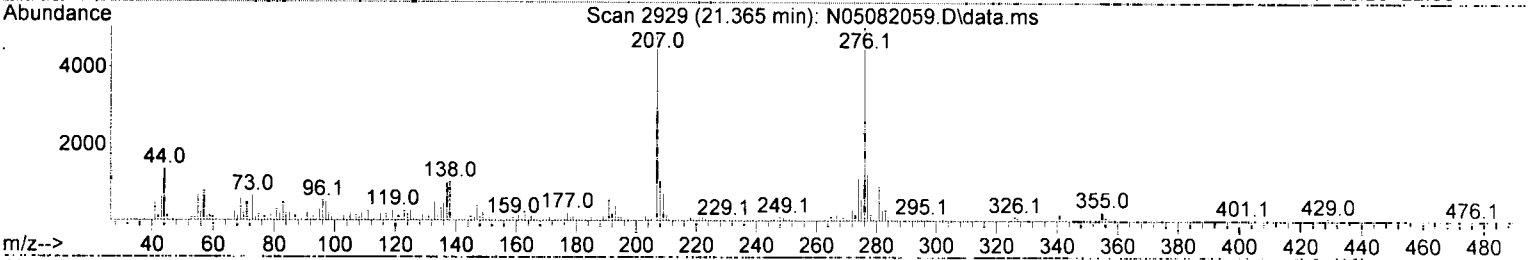
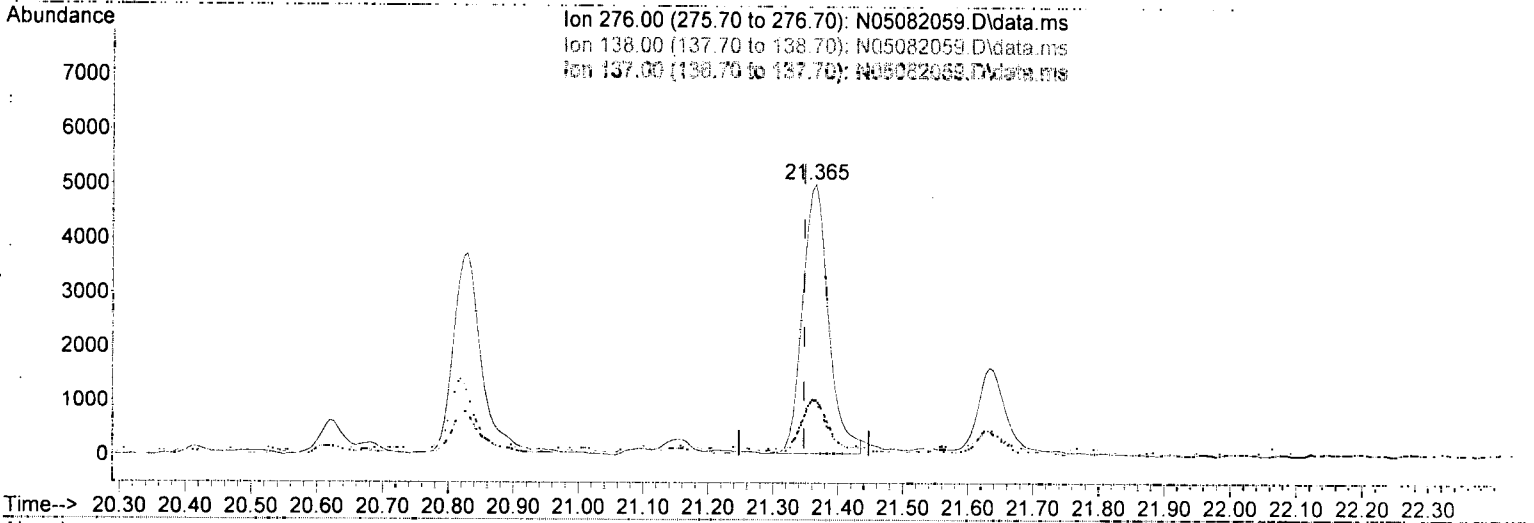
response 10765

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	20.88
138.00	31.60	20.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

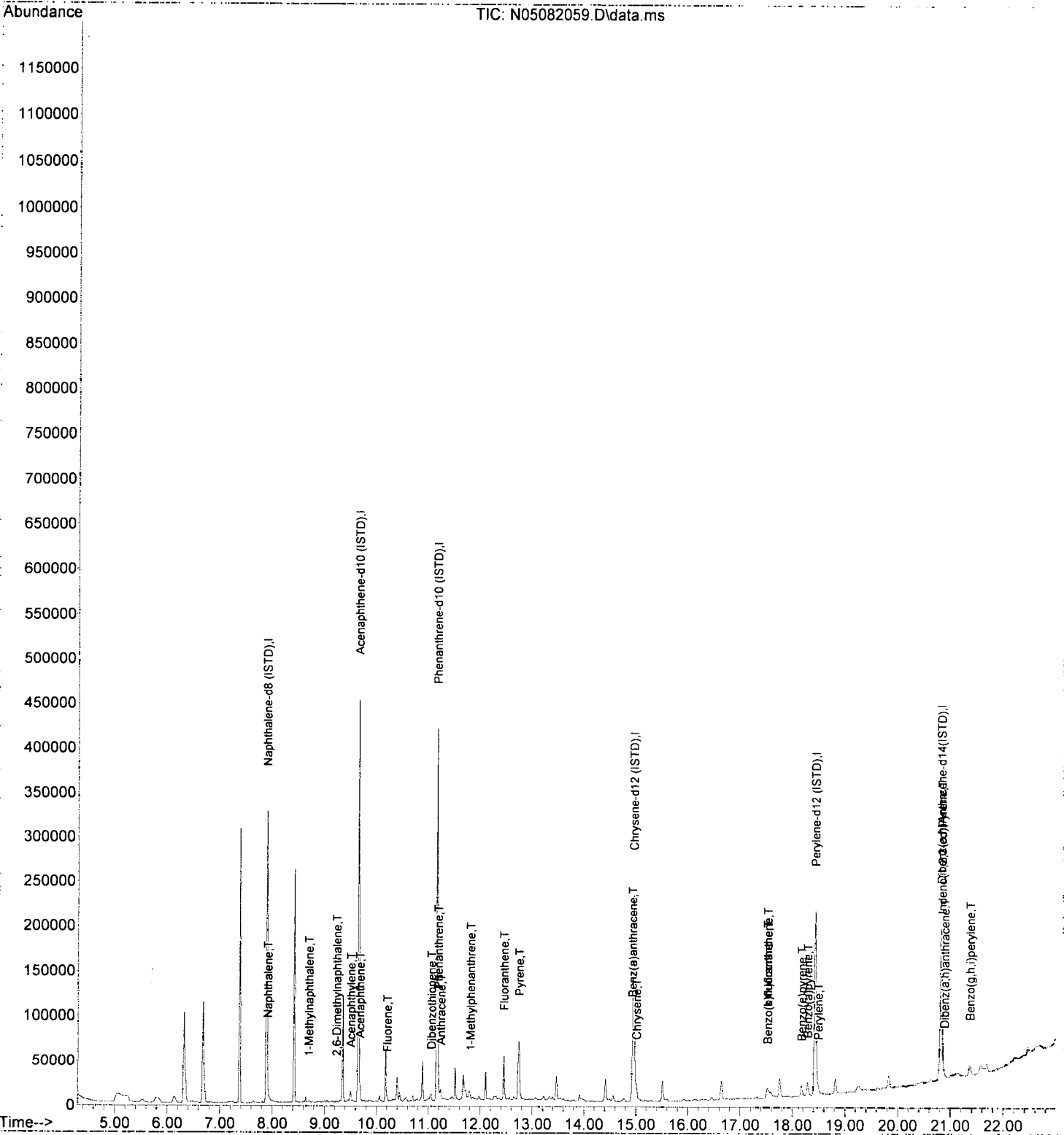
21.365min (+ 0.018) 7.25 ng/ml

response	13859	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	34.40	20.36
137.00	28.60	19.58
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082059.D
 Acq On : 09 May 2020 03:38 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-08@1000
 Misc : 1000x, 8270D LL PAH ONLY
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: May 11 11:00:54 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Data Path : R:\data\2020-05\0E08047\
 Data File : N05082060.D
 Acq On : 09 May 2020 04:09 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-09@50
 Misc : 50x, 8270D LL PAH ONLY
 ALS Vial : 41 Sample Multiplier: 1

RAM 5/11/20
RP

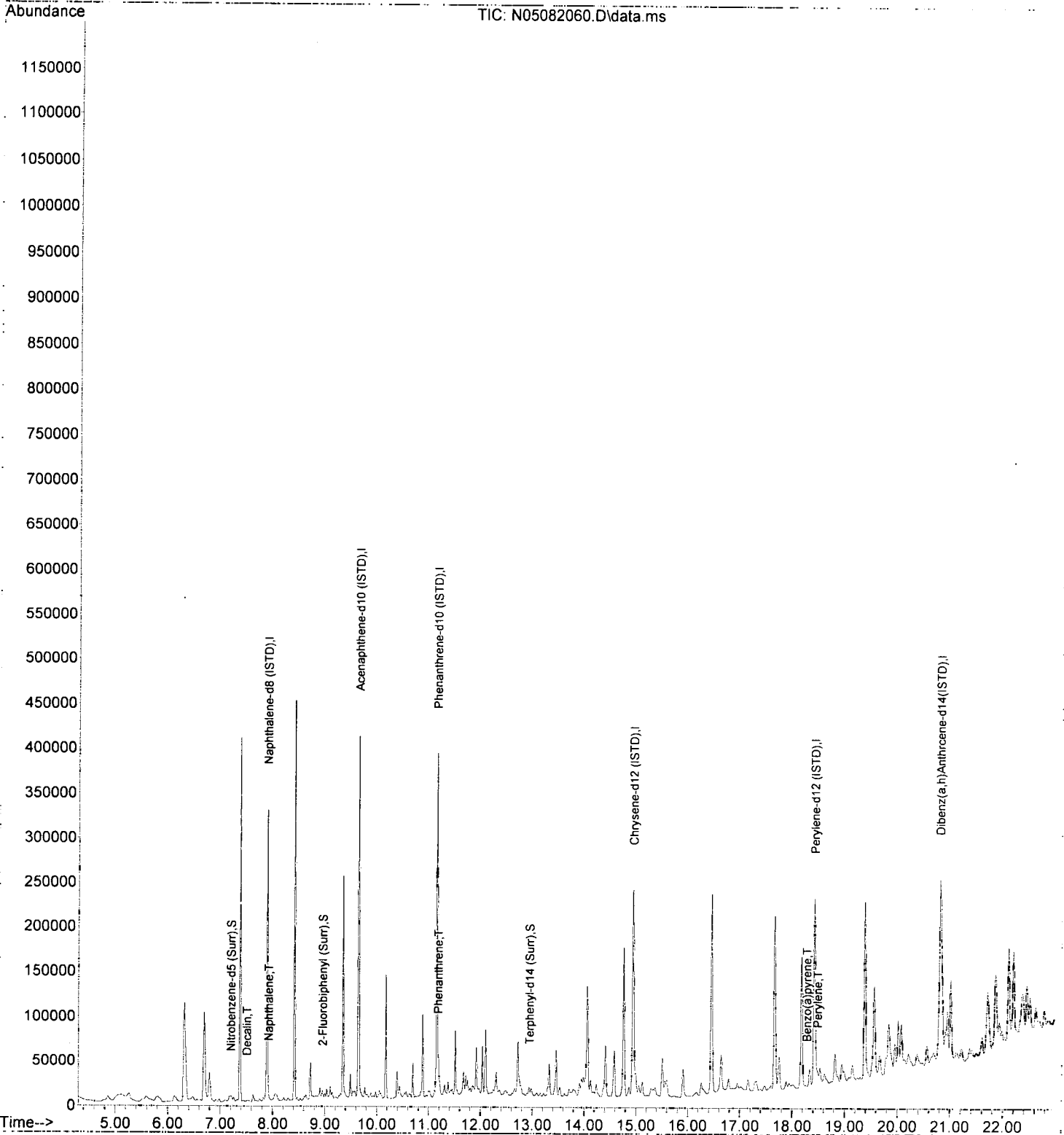
Quant Time: May 11 11:00:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	246933	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.644	162	130787	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.153	188	232272	100.00	ng/ml	0.00
23) Chrysenes-d12 (ISTD)	14.948	240	191812	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	195393	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.811	292	173460	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	1252	1.62	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	3757	1.86	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	3569	1.93	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.504	138	166	0.84	ng/ml	80
4) Naphthalene	7.918	128	1237	0.46	ng/ml	100
5) 2-Methylnaphthalene	8.594	142	302	N.D.		
6) 1-Methylnaphthalene	8.699	142	371	N.D.		
7) 1,1'-Biphenyl	9.061	154	613	N.D.		
8) 2,6-Dimethylnaphthalene	9.224	156	469	N.D.		
11) Acenaphthylene	9.504	152	274	N.D.		
12) Acenaphthene	9.678	153	287	N.D.		
13) Dibenzofuran	9.853	168	150	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	199	N.D.		
15) Fluorene	10.197	166	331	N.D.		
17) Dibenzothiopene	11.054	184	105	N.D.		
18) Phenanthrene	11.182	178	1220	0.46	ng/ml	76
19) Anthracene	11.229	178	202	N.D.		
20) Carbazole	11.398	167	65	N.D.		
21) 1-Methylphenanthrene	11.806	192	204	N.D.		
22) Fluoranthene	12.453	202	641	N.D.		
24) Pyrene	12.744	202	988	N.D.		
26) Benz(a)anthracene	14.942	228	760	N.D.		
27) Chrysene	15.000	228	192	N.D.		
29) Benzo(b)fluoranthene	17.518	252	238	N.D.		
30) Benzo(k)fluoranthene	17.565	252	271	N.D.		
31) Benzo(b+k)fluoranthene	17.518	252	780	N.D.		
32) Benzo(e)pyrene	18.177	252	686	N.D.		
33) Benzo(a)pyrene	18.282	252	403	0.56	ng/ml#	14
34) Perylene	18.486	252	8658	3.98	ng/ml	97
36) Indeno(1,2,3-cd)Pyrene	20.829	276	447	N.D.		
37) Dibenz(a,h)anthracene	20.875	278	105	N.D.		
38) Benzo(g,h,i)perylene	21.359	276	361	N.D.		

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

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082060.D
 Acq On : 09 May 2020 04:09 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-09@50
 Misc : 50x, 8270D LL PAH ONLY
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: May 11 11:00:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
 Data File : N05082061.D
 Acq On : 09 May 2020 04:39 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-10@50
 Misc : 50x, 8270D LL PAH ONLY
 ALS Vial : 42 Sample Multiplier: 1

HML 5/11/20
 RPI

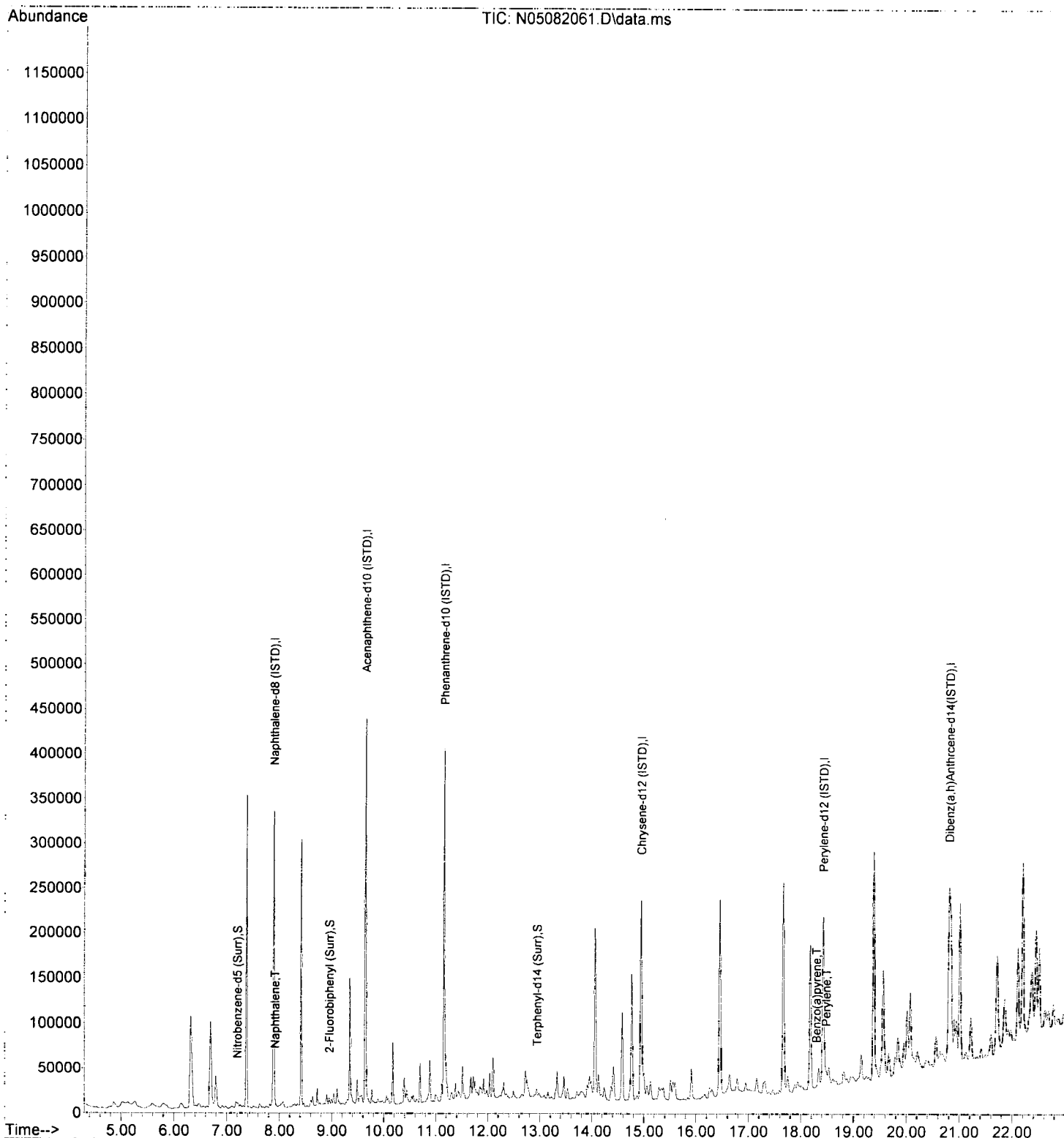
Quant Time: May 11 11:01:02 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	243596	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	136461	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	233197	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	180369	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	174713	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.817	292	150655	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	1261	1.66	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	3621	1.71	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	3732	2.14	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.510	138	69	N.D.		
4) Naphthalene	7.918	128	1731	0.65	ng/ml	99
5) 2-Methylnaphthalene	8.594	142	271	N.D.		
6) 1-Methylnaphthalene	8.699	142	315	N.D.		
7) 1,1'-Biphenyl	9.061	154	806	N.D.		
8) 2,6-Dimethylnaphthalene	9.224	156	479	N.D.		
11) Acenaphthylene	9.504	152	256	N.D.		
12) Acenaphthene	9.678	153	341	N.D.		
13) Dibenzofuran	9.853	168	133	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.081	170	163	N.D.		
15) Fluorene	10.203	166	411	N.D.		
17) Dibenzothiopene	11.048	184	99	N.D.		
18) Phenanthrene	11.182	178	912	N.D.		
19) Anthracene	11.229	178	99	N.D.		
20) Carbazole	11.421	167	67	N.D.		
21) 1-Methylphenanthrene	11.806	192	165	N.D.		
22) Fluoranthene	12.453	202	604	N.D.		
24) Pyrene	12.744	202	825	N.D.		
26) Benz(a)anthracene	14.947	228	670	N.D.		
27) Chrysene	15.006	228	247	N.D.		
29) Benzo(b)fluoranthene	17.530	252	177	N.D.		
30) Benzo(k)fluoranthene	17.530	252	80	N.D.		
31) Benzo(b+k)fluoranthene	17.669	252	757	N.D.		
32) Benzo(e)pyrene	18.188	252	545	N.D.		
33) Benzo(a)pyrene	18.299	252	150	0.42	ng/ml#	1
34) Perylene	18.485	252	10009	5.15	ng/ml	97
36) Indeno(1,2,3-cd)Pyrene	20.846	276	330	N.D.		
37) Dibenz(a,h)anthracene	20.887	278	89	N.D.		
38) Benzo(g,h,i)perylene	21.371	276	172	N.D.		

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

Data Path : R:\data\2020-05\0E08047\
Data File : N05082061.D
Acq On : 09 May 2020 04:39 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-10@50
Misc : 50x, 8270D LL PAH ONLY
ALS Vial : 42 Sample Multiplier: 1

Quant Time: May 11 11:01:02 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Data Path : R:\data\2020-05\0E08047\
 Data File : N05082062.D
 Acq On : 09 May 2020 05:10 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-11@10
 Misc : 10x, 8270D LL PAH ONLY
 ALS Vial : 43 Sample Multiplier: 1

REM 5/11/20

RP1

Quant Time: May 11 11:01:06 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

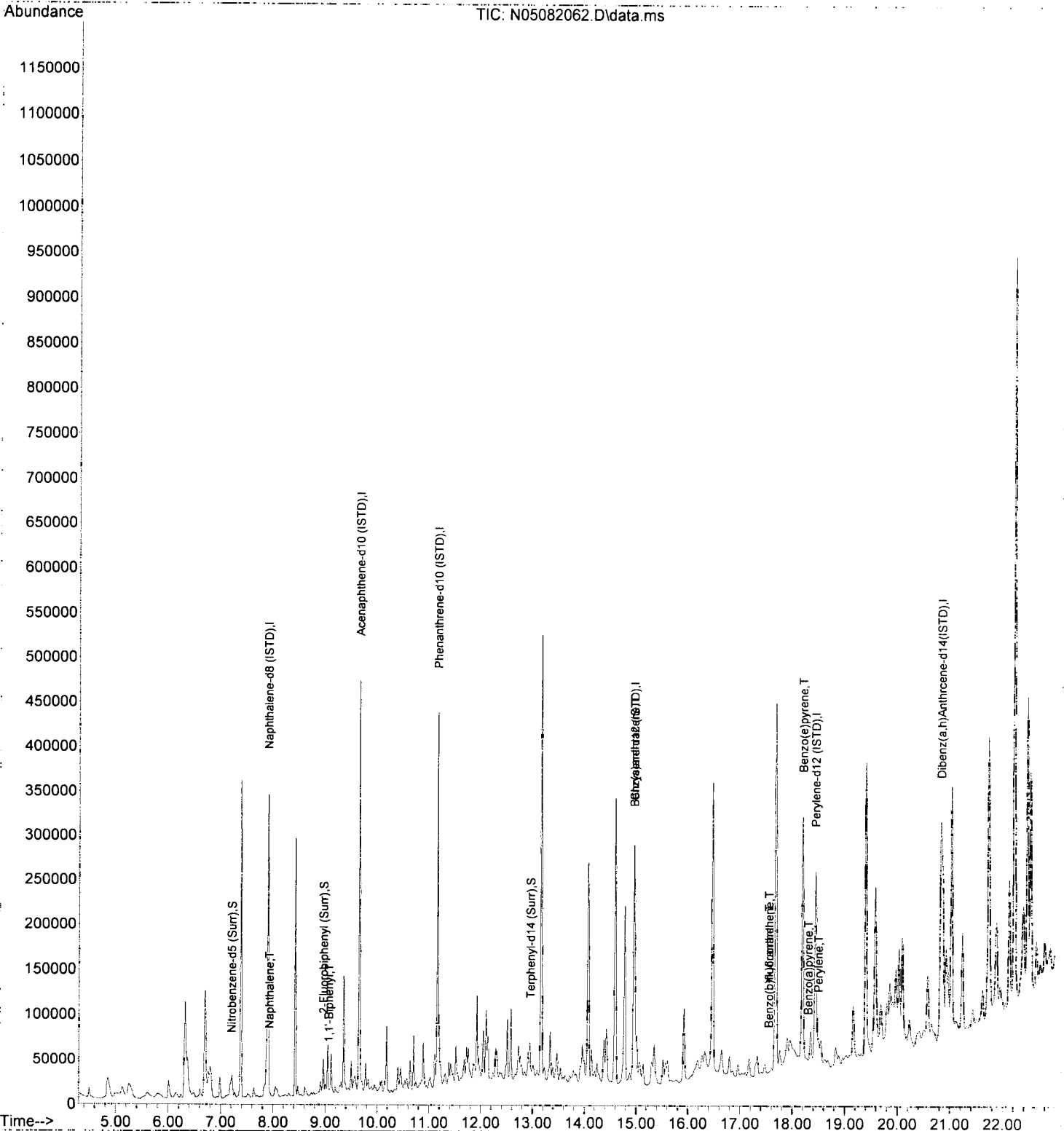
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.901	136	254884	100.00	ng/ml	0.01
9) Acenaphthene-d10 (ISTD)	9.655	162	142311	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	254254	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.959	240	214547	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.439	264	209887	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.828	292	183302	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	5959	7.48	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.961	172	18666	8.47	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	21578	10.41	ng/ml	0.00
Target Compounds						
3) Decalin	7.440	138	71	N.D.		Qvalue
4) Naphthalene	7.924	128	2254	0.81	ng/ml	89
5) 2-Methylnaphthalene	8.606	142	454	N.D.		
6) 1-Methylnaphthalene	8.705	142	467	N.D.		
7) 1,1'-Biphenyl	9.066	154	963	0.41	ng/ml	91
8) 2,6-Dimethylnaphthalene	9.229	156	582	N.D.		
11) Acenaphthylene	9.509	152	206	N.D.		
12) Acenaphthene	9.684	153	327	N.D.		
13) Dibenzofuran	9.859	168	282	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.080	170	285	N.D.		
15) Fluorene	10.209	166	402	N.D.		
17) Dibenzothiopene	11.054	184	159	N.D.		
18) Phenanthrene	11.188	178	977	N.D.		
19) Anthracene	11.240	178	281	N.D.		
20) Carbazole	11.409	167	117	N.D.		
21) 1-Methylphenanthrene	11.812	192	170	N.D.		
22) Fluoranthene	12.459	202	728	N.D.		
24) Pyrene	12.750	202	795	N.D.		
26) Benz(a)anthracene	14.953	228	1039	0.47	ng/ml#	60
27) Chrysene	15.017	228	238	N.D.		
29) Benzo(b)fluoranthene	17.547	252	954	0.44	ng/ml	67
30) Benzo(k)fluoranthene	17.547	252	482	N.D.		
31) Benzo(b+k)fluoranthene	17.547	252	3501	1.53	ng/ml	70
32) Benzo(e)pyrene	18.194	252	1120	0.49	ng/ml#	1
33) Benzo(a)pyrene	18.299	252	326	0.50	ng/ml#	1
34) Perylene	18.497	252	27139	11.62	ng/ml	98
36) Indeno(1,2,3-cd)Pyrene	20.828	276	619	N.D.		
37) Dibenz(a,h)anthracene	20.898	278	72	N.D.		
38) Benzo(g,h,i)perylene	21.382	276	137	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08047\
Data File : N05082062.D
Acq On : 09 May 2020 05:10 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-11@10
Misc : 10x, 8270D LL PAH ONLY
ALS Vial : 43 Sample Multiplier: 1

Quant Time: May 11 11:01:06 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Sequence 0E08049 (A0D0763-07)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E08049

Instrument: SV-GCMS14

Date: 05/08/20 19:43

Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E08049-IBL1	Soil	QC	QC			A20C067	
2	0E08049-TUN1	Soil	QC	QC			A20C067	A20D411
3	0E08049-CCV1	Soil	QC	QC			A20C067	A20C472
4	0E08049-CCB1	Soil	QC	QC			A20C067	
5	A0D0677-40RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
6	A0D0677-41RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
7	A0D0694-13	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/11/20	0050304	A20C067	
8	A0D0694-14	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/11/20	0050304	A20C067	
9	A0D0701-14	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050304	A20C067	
10	A0D0701-23	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050304	A20C067	
11	A0D0677-31RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050335	A20C067	
12	A0D0701-12RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050335	A20C067	
13	A0D0763-07	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
14	A0D0631-10	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/07/20	0050160	A20C067	
15	A0D0631-11	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/07/20	0050160	A20C067	
16	A0D0631-12	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/07/20	0050160	A20C067	
17	A0D0631-13	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/07/20	0050160	A20C067	
18	A0D0677-52RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
19	A0D0677-53RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/06/20	0050160	A20C067	
20	A0D0632-27	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/07/20	0050066	A20C067	
21	0E08049-IBL2	Soil	QC	QC			A20C067	

Data Entered By: Jan 5/12/20

Comments:

Data Reviewed By: Jan 5/13/20

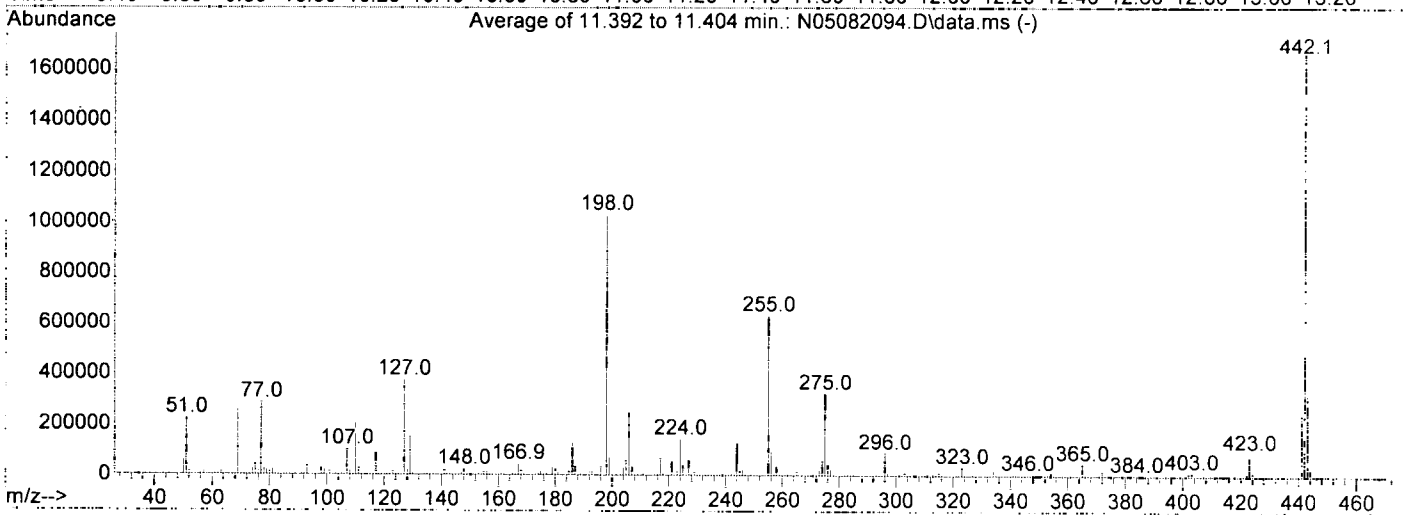
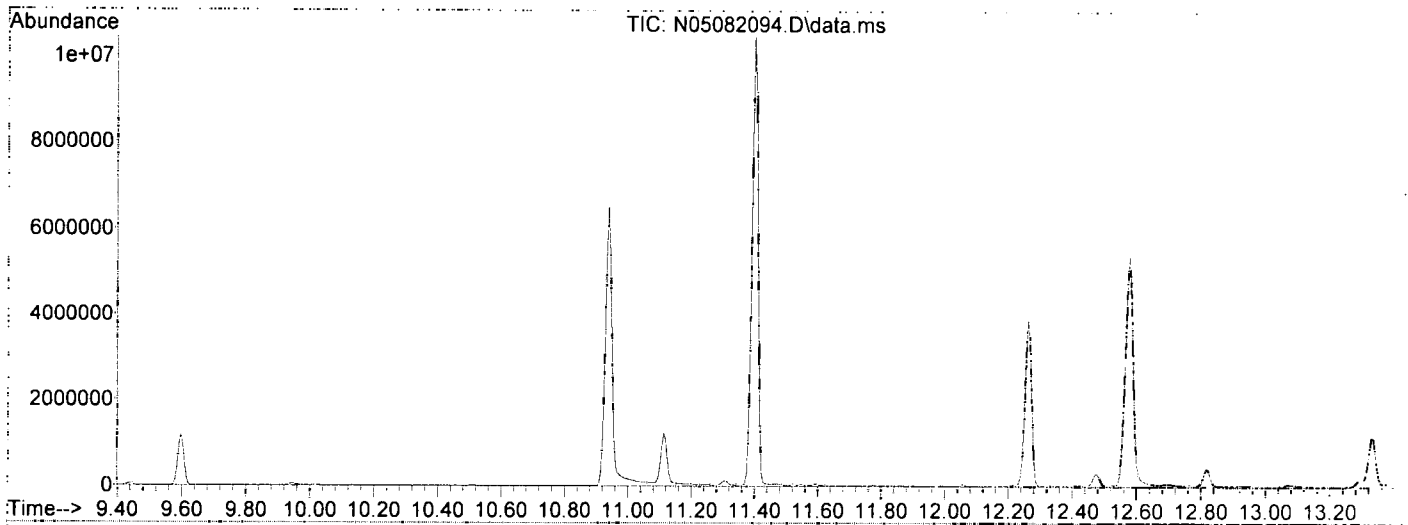
05/25/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 1716 of 2108

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082094.D
 Acq On : 10 May 2020 09:39 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 70 Sample Multiplier: 1

fail 5/11/20

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



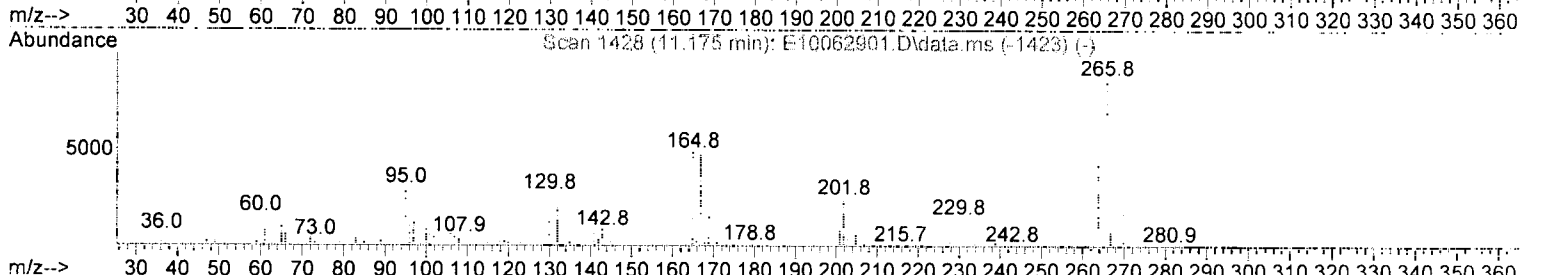
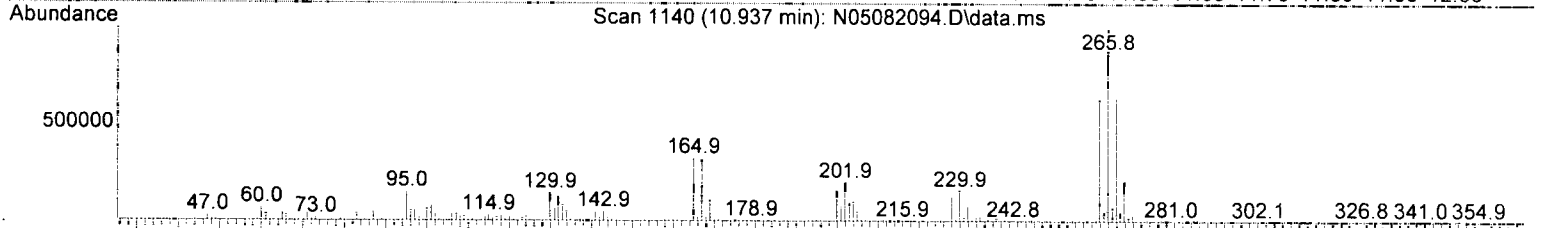
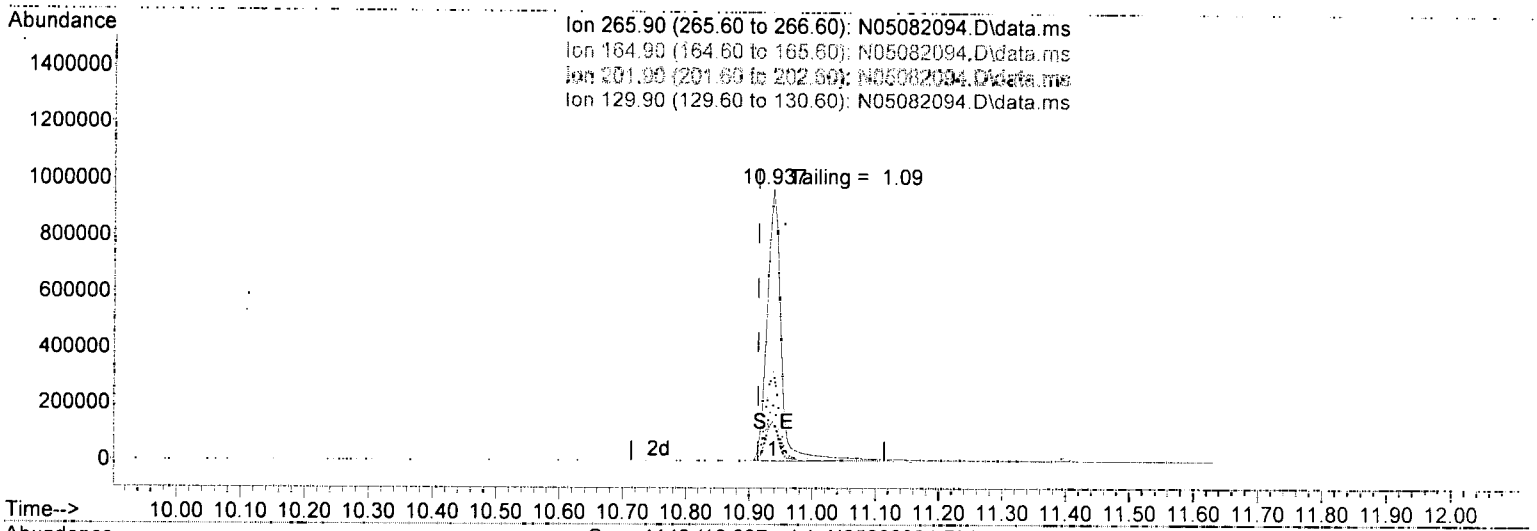
AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	4592	PASS
69	69	100	100	100.0	258778	PASS
70	69	0.00	2	0.5	1265	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1028309	PASS
199	198	5	9	6.8	69552	PASS
365	198	1	100	4.5	46016	PASS
441	443	0.01	150	77.0	247915	PASS
442	198	0.10	200	161.3	1658880	PASS
443	442	15	24	19.4	322027	PASS

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082094.D
 Acq On : 10 May 2020 09:39 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 70 Sample Multiplier: 1

Quant Time: May 10 09:58:21 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration



TIC: N05082094.D\data.ms

(4) Pentachlorophenol

10.937min (+ 0.023) 44.66 ug/mL

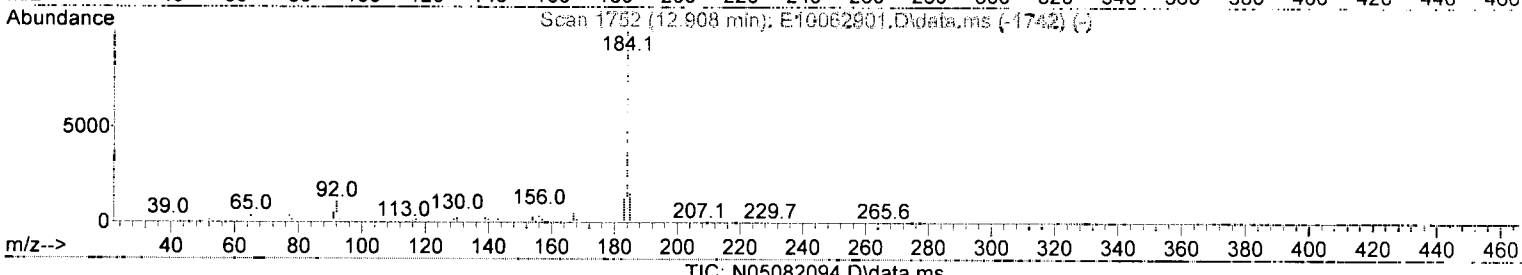
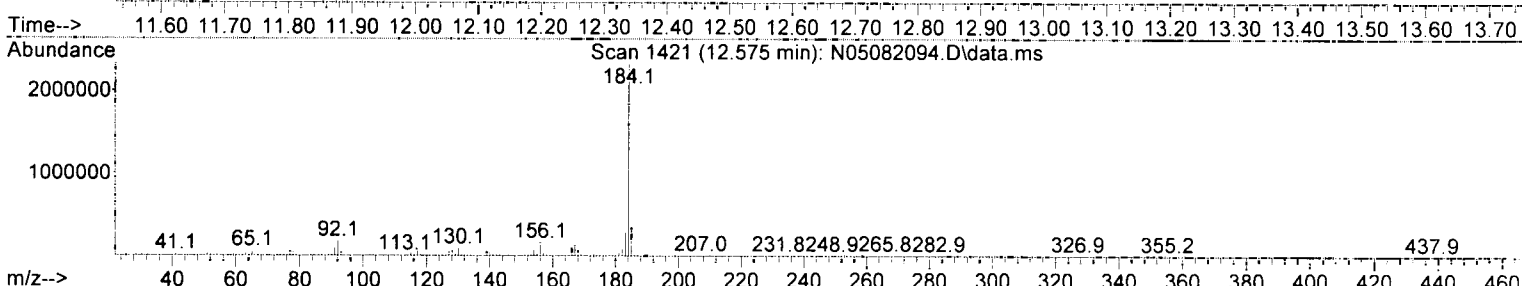
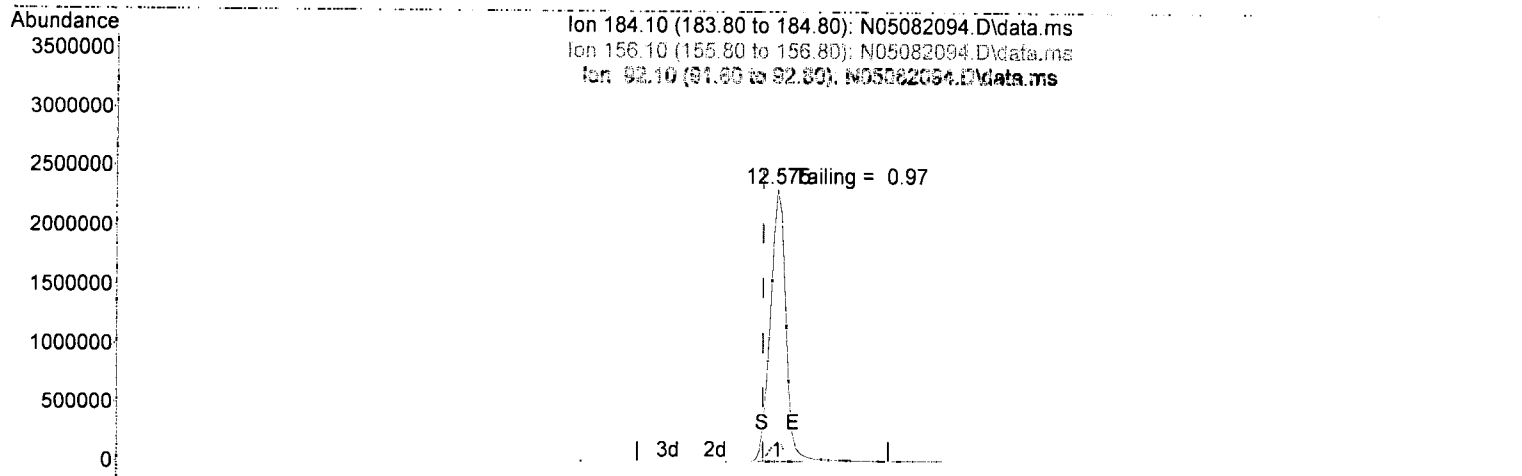
response 1510449

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	32.91
201.90	25.80	20.35
129.90	27.30	14.66

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082094.D
 Acq On : 10 May 2020 09:39 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 70 Sample Multiplier: 1

Quant Time: May 10 09:58:21 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Mon Apr 13 09:22:09 2020
 Response via : Initial Calibration



(7) Benzidine

12.575min (+ 0.023) 17.09 ug/mL

response 4050707

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.76
92.10	8.20	7.42
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082094.D
 Acq On : 10 May 2020 09:39 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 70 Sample Multiplier: 1

Quant Time: May 11 14:49:06 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.624	150	285721	2.00	ug/mL	0.00	
2) Naphthalene-d8	7.837	136	697103	2.00	ug/mL	0.00	
3) Acenaphthene-d10	9.597	162	358189	2.00	ug/mL	0.00	
5) Phenanthrene-d10	11.112	188	667286	2.00	ug/mL	-0.01	
11) Chrysene-d12	14.808	240	576646	2.00	ug/mL	-0.01	
12) Perylene-d12	16.836	264	596851	2.00	ug/mL	-0.02	
13) Dibenz(a,h)anthracene-...	18.066	292	544474	2.00	ug/mL	#-0.03	
Target Compounds							
4) Pentachlorophenol	10.937	266	1515016	44.79	ug/mL		Qvalue 78
6) DFTPP	11.404	442	2599765	48.26	ug/mL#		58
7) Benzidine	12.575	184	4050707	17.06	ug/mL		96
8) 4,4-DDE	12.820	TIC	573577		No Calib		
9) 4,4-DDD	13.327	TIC	1828859		No Calib		
10) 4,4-DDT	13.887	TIC	20072968	29.33	ug/mL		94

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

J

DDT Breakdown Check (Validated 5/1/2013)

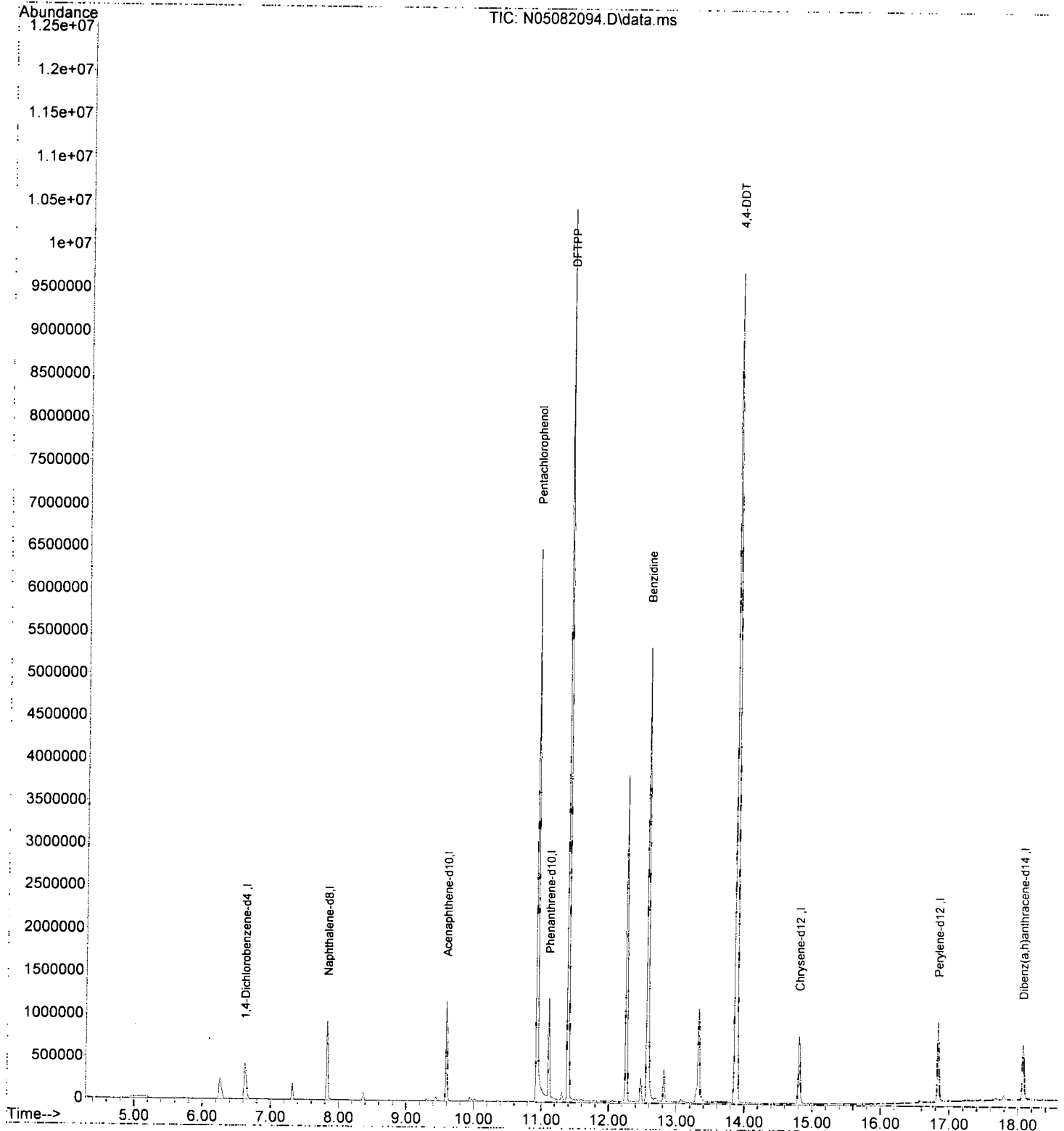
From:
0E08049-TUN1
SV-GCMS

First Column Area Counts	Percent Breakdown	
DDE	573577	J
DDD	1828859	
DDT	20072968	10.69 PASS

Breakdown must be less than 20% to accept sample data.

Data Path : R:\data\2020-05\0E08049\
Data File : N05082094.D
Acq On : 10 May 2020 09:39 am
Operator : JK/ AMS/ DTH
Sample : 0E08049-TUN1
Misc : 1x, A20D411 DFTPP @ 45
ALS Vial : 70 Sample Multiplier: 1

Quant Time: May 11 14:49:06 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Sun May 10 11:11:10 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082095.D
 Acq On : 10 May 2020 10:05 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 71 Sample Multiplier: 1

run 5/11/20

Quant Time: May 10 10:29:06 2020
 Quant Method : M:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	95	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	44.212	11.6	87	0.00
3 T	Decalin	50.000	43.566	12.9	88	0.00
4 T	Naphthalene	50.000	46.997	6.0	92	0.00
5 T	2-Methylnaphthalene	50.000	48.016	4.0	90	0.00
6 T	1-Methylnaphthalene	50.000	48.158	3.7	90	0.00
7 T	1,1'-Biphenyl	50.000	49.836	0.3	95	0.00
8 T	2,6-Dimethylnaphthalene	50.000	51.144	-2.3	97	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	96	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	51.572	-3.1	99	0.00
11 T	Acenaphthylene	50.000	54.193	-8.4	101	0.00
12 T	Acenaphthene	50.000	45.879	8.2	88	0.00
13 T	Dibenzofuran	50.000	51.918	-3.8	100	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	53.950	-7.9	105	0.00
15 T	Fluorene	50.000	48.064	3.9	94	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	104	0.00
17 T	Dibenzothiopene	50.000	48.034	3.9	99	0.00
18 T	Phenanthrene	50.000	45.674	8.7	97	0.00
19 T	Anthracene	50.000	49.935	0.1	103	0.00
20 T	Carbazole	50.000	43.181	13.6	86	0.00
21 T	1-Methylphenanthrene	50.000	48.933	2.1	100	0.00
22 T	Fluoranthene	50.000	46.857	6.3	97	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	81	0.00
24 T	Pyrene	50.000	56.162	-12.3	95	0.00
25 S	Terphenyl-d14 (Surr)	50.000	53.134	-6.3	86	0.00
26 T	Benz(a)anthracene	50.000	47.909	4.2	81	0.00
27 T	Chrysene	50.000	46.616	6.8	76	0.00
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	80	0.00
29 T	Benzo(b)fluoranthene	50.000	50.530	-1.1	83	0.00
30 T	Benzo(k)fluoranthene	50.000	51.147	-2.3	81	0.00
31 T	Benzo(b+k)fluoranthene	100.000	100.193	-0.2	81	0.00
32 T	Benzo(e)pyrene	50.000	48.280	3.4	79	0.00
33 T	Benzo(a)pyrene	50.000	54.469	-8.9	82	0.00
34 T	Perylene	50.000	50.671	-1.3	75	0.00
35 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	88	0.00
36 T	Indeno(1,2,3-cd)Pyrene	50.000	48.583	2.8	86	0.01
37 T	Dibenz(a,h)anthracene	50.000	47.601	4.8	83	0.00
38 T	Benzo(g,h,i)perylene	50.000	48.681	2.6	83	0.01

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

✓

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082095.D
 Acq On : 10 May 2020 10:05 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 71 Sample Multiplier: 1

Quant Time: May 11 14:51:47 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

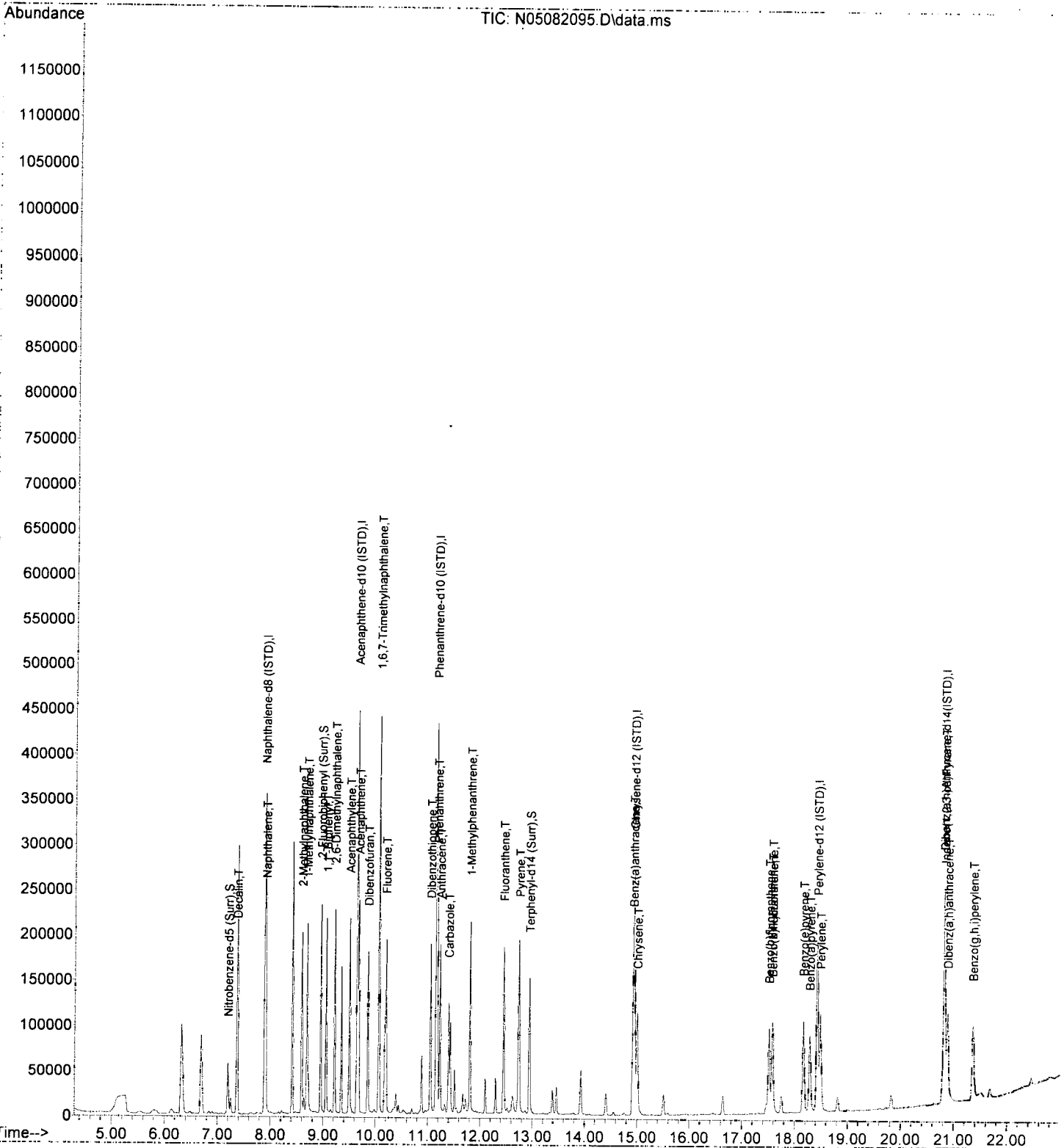
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.889	136	251447	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.644	162	140655	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.153	188	252533	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	192775	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	185567	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.811	292	166901	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	34728	44.21	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	112304	51.57	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.943	244	98970	53.13	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.365	138	8759	43.57	ng/ml	81
4) Naphthalene	7.912	128	128712	47.00	ng/ml	100
5) 2-Methylnaphthalene	8.594	142	88296	48.02	ng/ml	97
6) 1-Methylnaphthalene	8.693	142	87930	48.16	ng/ml	97
7) 1,1'-Biphenyl	9.061	154	115508	49.84	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.218	156	81321	51.14	ng/ml	97
11) Acenaphthylene	9.504	152	142136	54.19	ng/ml	99
12) Acenaphthene	9.679	153	88270	45.88	ng/ml	99
13) Dibenzofuran	9.853	168	120903	51.92	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	10.063	170	81337	53.95	ng/ml	99
15) Fluorene	10.197	166	88915	48.06	ng/ml	99
17) Dibenzothiopene	11.048	184	122583	48.03	ng/ml	94
18) Phenanthrene	11.176	178	132763	45.67	ng/ml	99
19) Anthracene	11.229	178	118874	49.93	ng/ml	99
20) Carbazole	11.398	167	88745	43.18	ng/ml	98
21) 1-Methylphenanthrene	11.806	192	95917	48.93	ng/ml	97
22) Fluoranthene	12.447	202	134237	46.86	ng/ml	95
24) Pyrene	12.744	202	140427	56.16	ng/ml	99
26) Benz(a)anthracene	14.924	228	95777	47.91	ng/ml	100
27) Chrysene	15.006	228	95846	46.62	ng/ml	99
29) Benzo(b)fluoranthene	17.512	252	96934	50.53	ng/ml	91
30) Benzo(k)fluoranthene	17.576	252	97813	51.15	ng/ml	91
31) Benzo(b+k)fluoranthene	17.576	252	202112	100.19	ng/ml	91
32) Benzo(e)pyrene	18.165	252	96844	48.28	ng/ml	98
33) Benzo(a)pyrene	18.287	252	83802	54.47	ng/ml	96
34) Perylene	18.486	252	104657	50.67	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.823	276	88081	48.58	ng/ml	75
37) Dibenz(a,h)anthracene	20.881	278	87023	47.60	ng/ml	80
38) Benzo(g,h,i)perylene	21.359	276	94676	48.68	ng/ml	76

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082095.D
 Acq On : 10 May 2020 10:05 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 71 Sample Multiplier: 1

Quant Time: May 11 14:51:47 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082096.D
 Acq On : 10 May 2020 10:36 am
 Operator : JK/ AMS/ DTH
 Sample : 0E08049-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 72 Sample Multiplier: 1

RAM 5/11/20

Quant Time: May 11 14:52:22 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

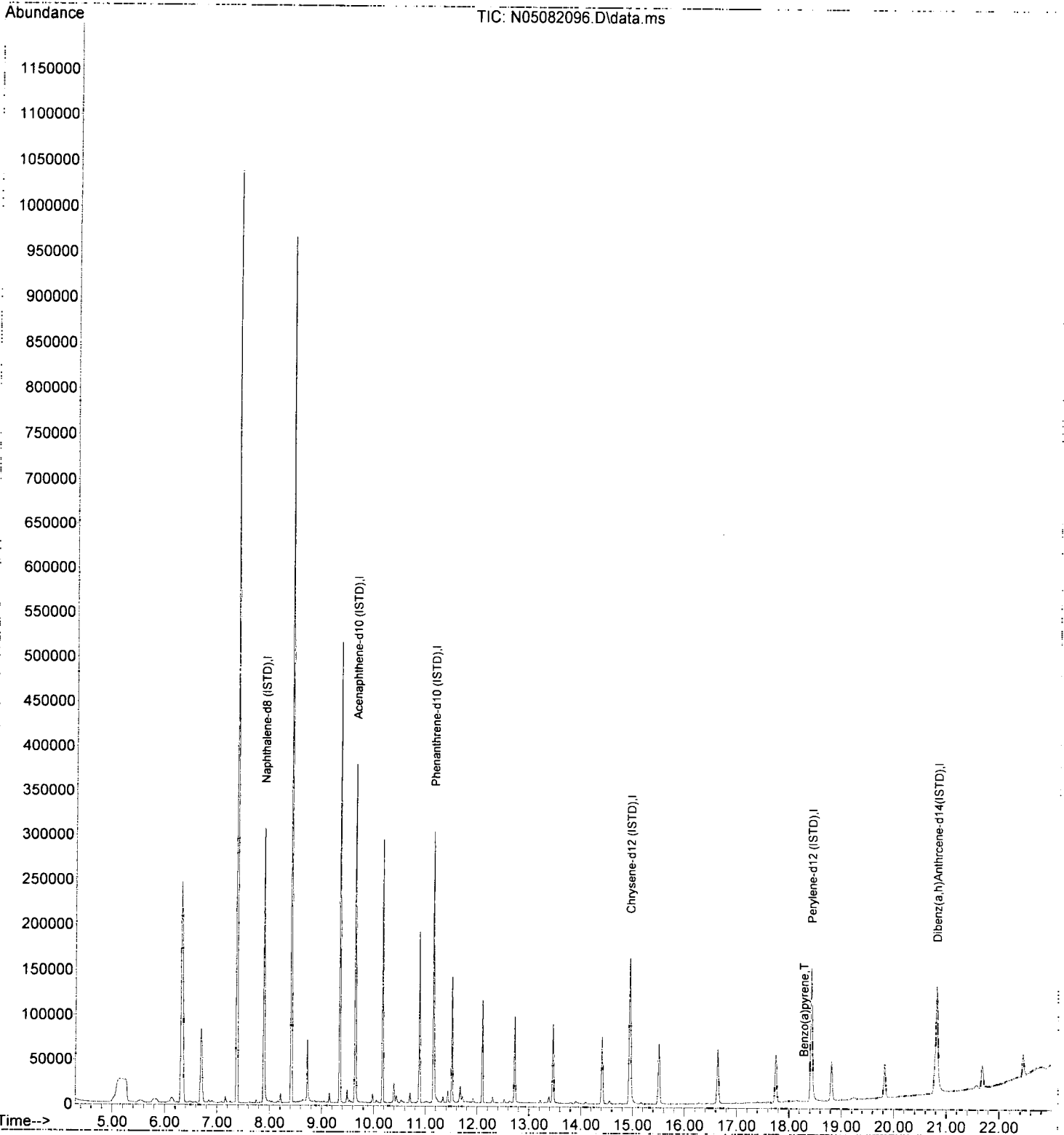
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	231936	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.643	162	121616	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.153	188	189511	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.947	240	147626	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.427	264	146325	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.817	292	130788	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	89	0.12	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.956	172	117	0.06	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	148	0.10	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.912	128	543	N.D.		
5) 2-Methylnaphthalene	8.594	142	154	N.D.		
6) 1-Methylnaphthalene	8.693	142	156	N.D.		
7) 1,1'-Biphenyl	9.061	154	255	N.D.		
8) 2,6-Dimethylnaphthalene	9.218	156	66	N.D.		
11) Acenaphthylene	9.504	152	222	N.D.		
12) Acenaphthene	9.678	153	132	N.D.		
13) Dibenzofuran	9.853	168	213	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.063	170	106	N.D.		
15) Fluorene	10.203	166	83	N.D.		
17) Dibenzothiopene	11.054	184	144	N.D.		
18) Phenanthrene	11.176	178	434	N.D.		
19) Anthracene	11.235	178	211	N.D.		
20) Carbazole	11.427	167	258	N.D.		
21) 1-Methylphenanthrene	11.806	192	144	N.D.		
22) Fluoranthene	12.453	202	211	N.D.		
24) Pyrene	12.738	202	278	N.D.		
26) Benz(a)anthracene	14.936	228	537	N.D.		
27) Chrysene	15.006	228	178	N.D.		
29) Benzo(b)fluoranthene	17.512	252	174	N.D.		
30) Benzo(k)fluoranthene	17.582	252	133	N.D.		
31) Benzo(b+k)fluoranthene	17.582	252	133	N.D.		
32) Benzo(e)pyrene	18.177	252	139	N.D.		
33) Benzo(a)pyrene	18.281	252	172	0.45	ng/ml	72
34) Perylene	18.480	252	166	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.829	276	286	N.D.		
37) Dibenz(a,h)anthracene	20.881	278	374	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	206	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08049\
Data File : N05082096.D
Acq On : 10 May 2020 10:36 am
Operator : JK/ AMS/ DTH
Sample : 0E08049-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 72 Sample Multiplier: 1

Quant Time: May 11 14:52:22 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Temp 5/11/20

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

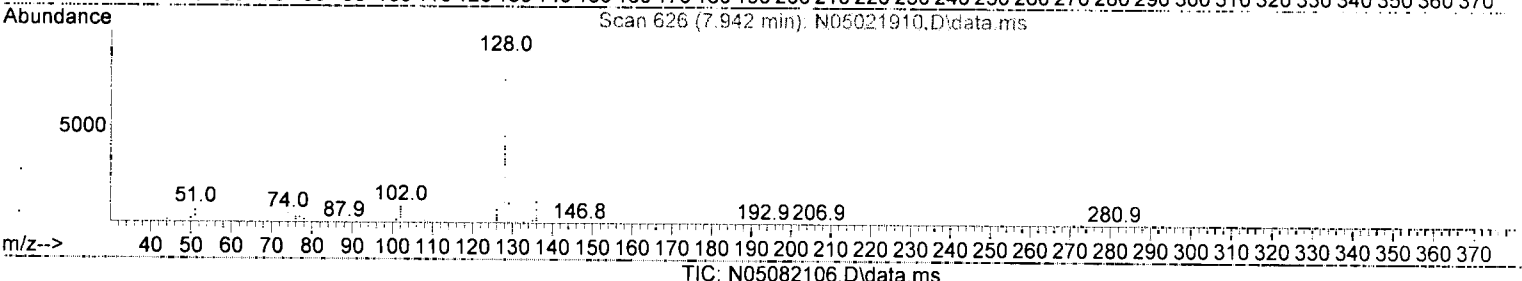
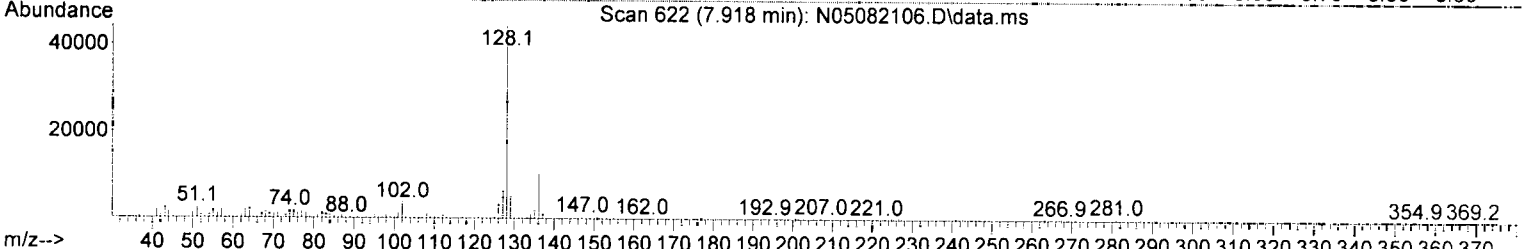
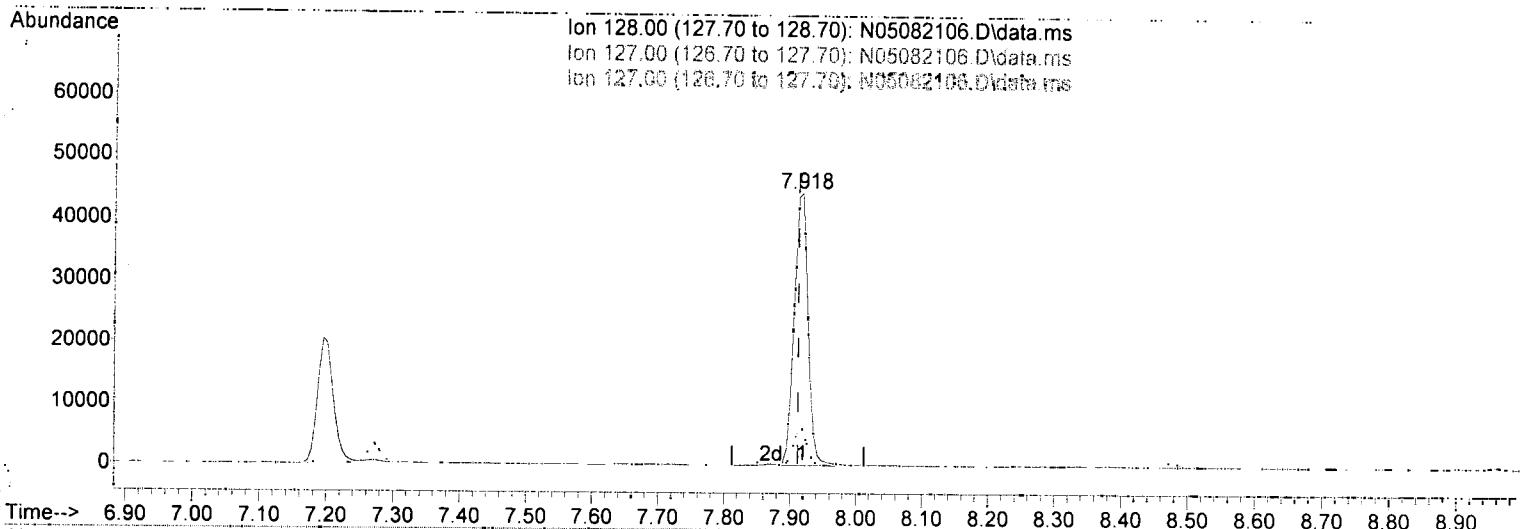
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	275762	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	168934	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	303562	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	266485	100.00	ng/ml	0.01	
28) Perylene-d12 (ISTD)	18.439	264	258901	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthracene-d...	20.823	292	226654	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.195	82	61458	71.34	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.961	172	214872	82.16	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	251198	97.56	ng/ml	0.00	
Target Compounds							
3) Decalin	7.364	138	123	0.56	ng/ml#	1	
4) Naphthalene	7.918	128	64630	21.52	ng/ml	97	
5) 2-Methylnaphthalene	8.600	142	8091	(4.01)	ng/ml	97	J
6) 1-Methylnaphthalene	8.699	142	7483	3.74	ng/ml	97	
7) 1,1'-Biphenyl	9.060	154	2928	1.15	ng/ml	86	
8) 2,6-Dimethylnaphthalene	9.229	156	2061	1.18	ng/ml	91	
11) Acenaphthylene	9.509	152	1932	0.61	ng/ml	82	
12) Acenaphthene	9.684	153	26984	11.68	ng/ml	98	
13) Dibenzofuran	9.859	168	3391	1.21	ng/ml	91	
14) 1,6,7-Trimethylnaphtha...	10.063	170	853	0.47	ng/ml#	1	
15) Fluorene	10.203	166	9335	(4.20)	ng/ml	97	J
17) Dibenzothiopene	11.054	184	17410	5.68	ng/ml	96	
18) Phenanthrene	11.182	178	136725	39.13	ng/ml	99	
19) Anthracene	11.235	178	17276	6.04	ng/ml	98	
20) Carbazole	11.404	167	2425	0.98	ng/ml	82	
21) 1-Methylphenanthrene	11.812	192	1950	0.83	ng/ml	96	
22) Fluoranthene	12.453	202	24122	7.00	ng/ml	94	
24) Pyrene	12.750	202	24171	6.99	ng/ml	99	
26) Benz(a)anthracene	14.936	228	1782	0.64	ng/ml	73	
27) Chrysene	15.012	228	1934	0.68	ng/ml	92	
29) Benzo(b)fluoranthene	17.524	252	1667	0.62	ng/ml	85	
30) Benzo(k)fluoranthene	17.524	252	1992	0.75	ng/ml	88	
31) Benzo(b+k)fluoranthene	17.524	252	2230	0.79	ng/ml	88	
32) Benzo(e)pyrene	18.182	252	1210	0.43	ng/ml#	39	
33) Benzo(a)pyrene	18.293	252	965	0.77	ng/ml	54	
34) Perylene	18.497	252	34879	12.10	ng/ml	99	
36) Indeno(1,2,3-cd)Pyrene	20.834	276	1210	0.49	ng/ml#	20	
37) Dibenz(a,h)anthracene	20.887	278	258	N.D.			
38) Benzo(g,h,i)perylene	21.371	276	1428	0.54	ng/ml	75	

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.918min (+ 0.006) 21.52 ng/ml

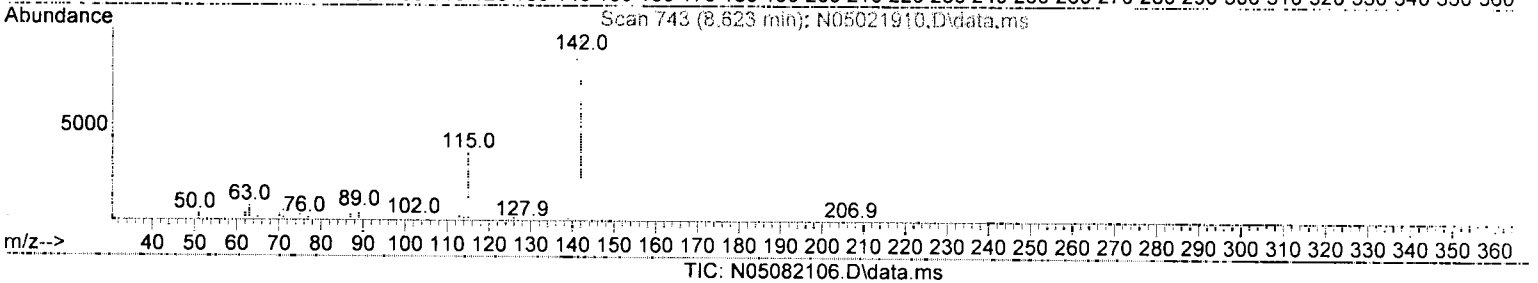
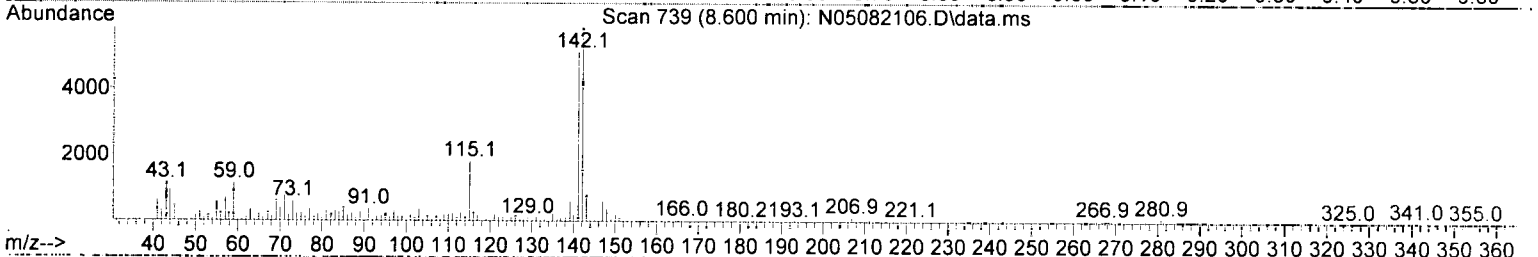
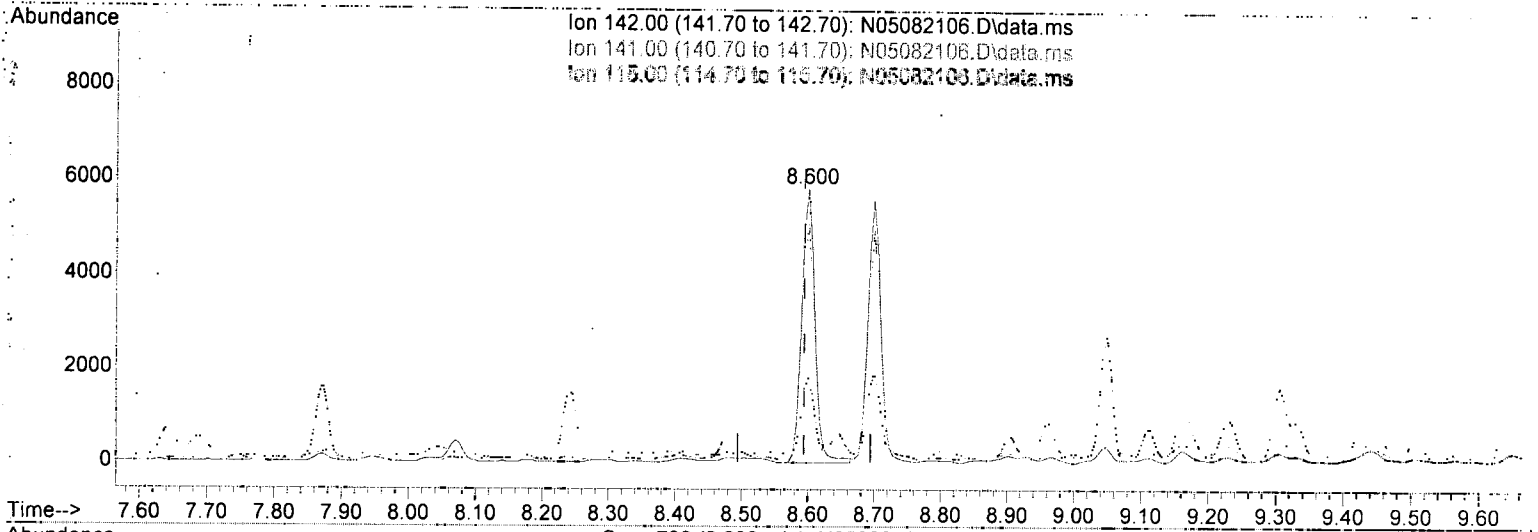
response 64630

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.79
127.00	12.60	13.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.600min (+ 0.006) 4.01 ng/ml

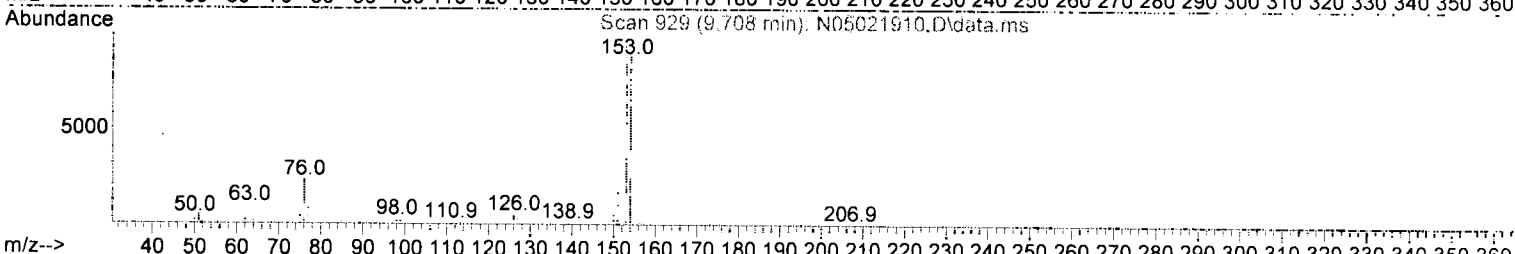
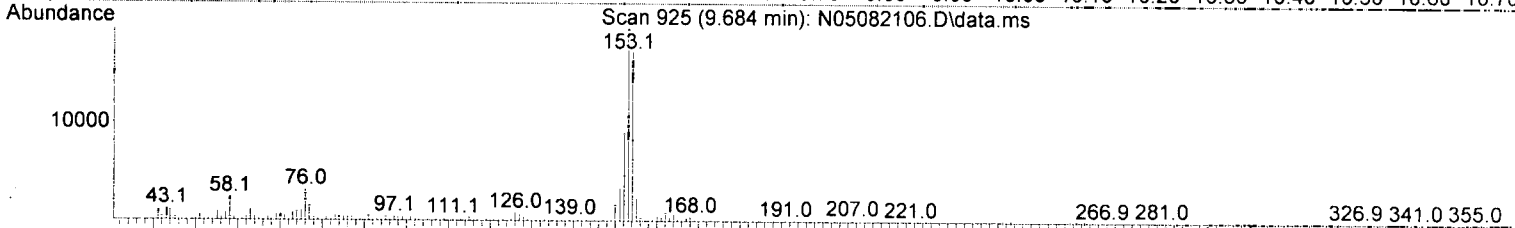
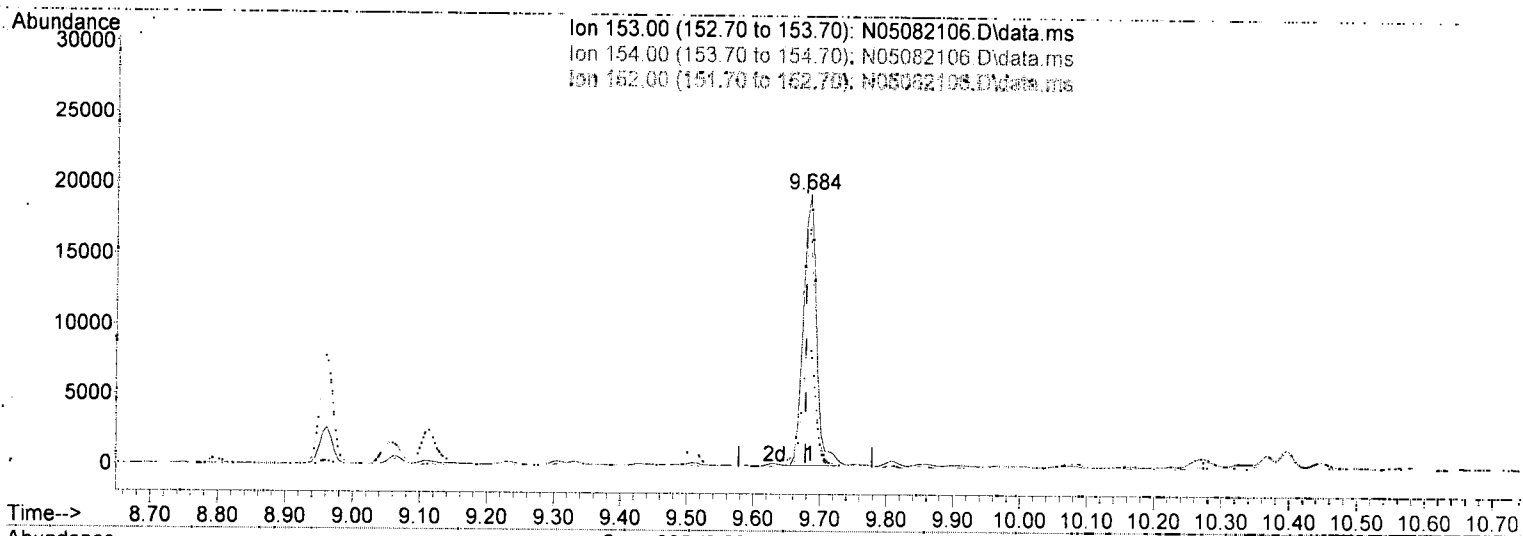
response 8091

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.74
115.00	35.70	31.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05082106.D\data.ms

(12) Acenaphthene (T)

9.684min (+ 0.006) 11.68 ng/ml

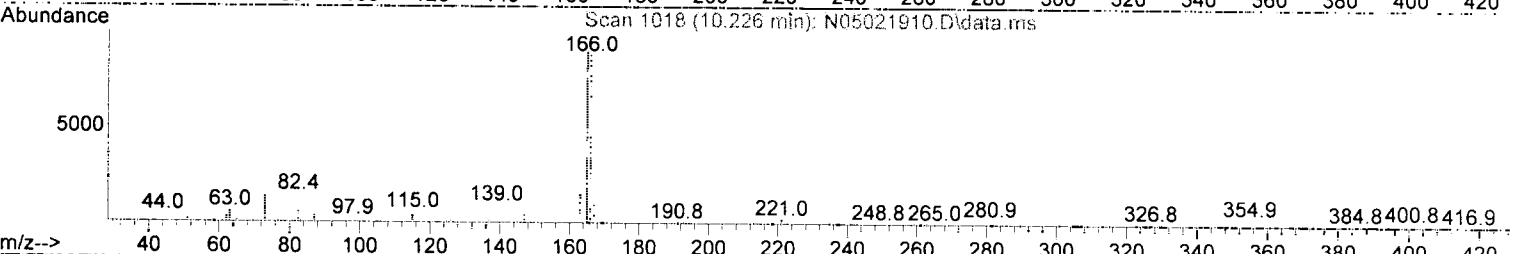
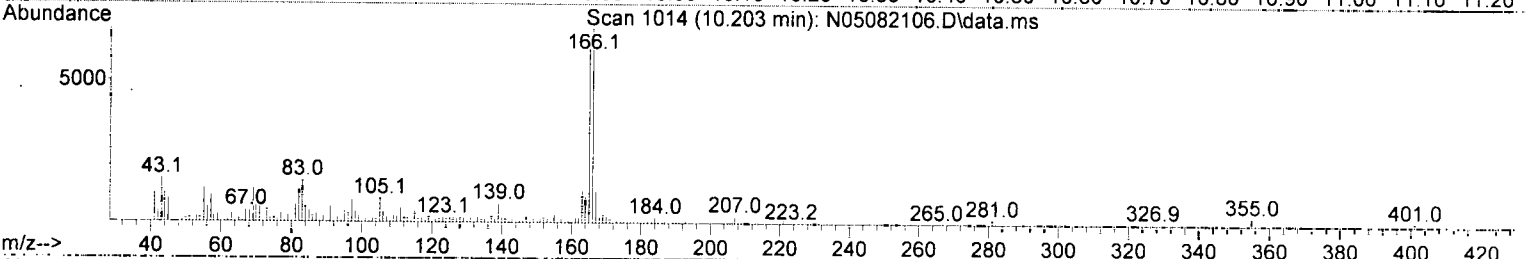
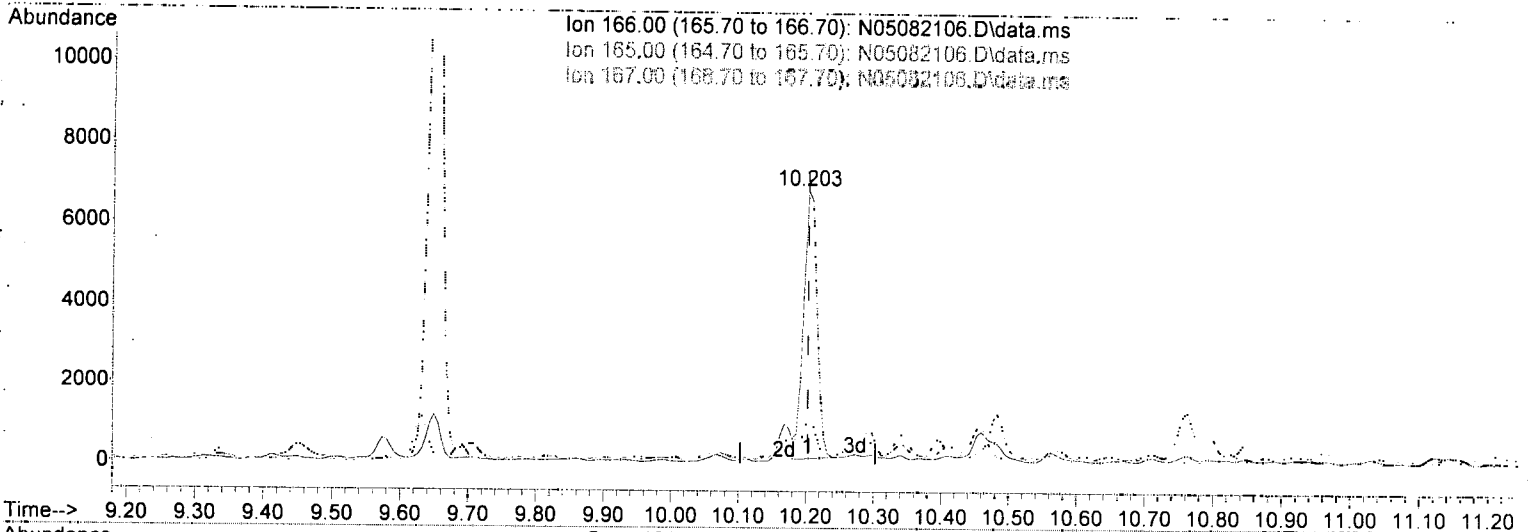
response 26984

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	88.07
152.00	46.80	45.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.203min (+ 0.000) 4.20 ng/ml

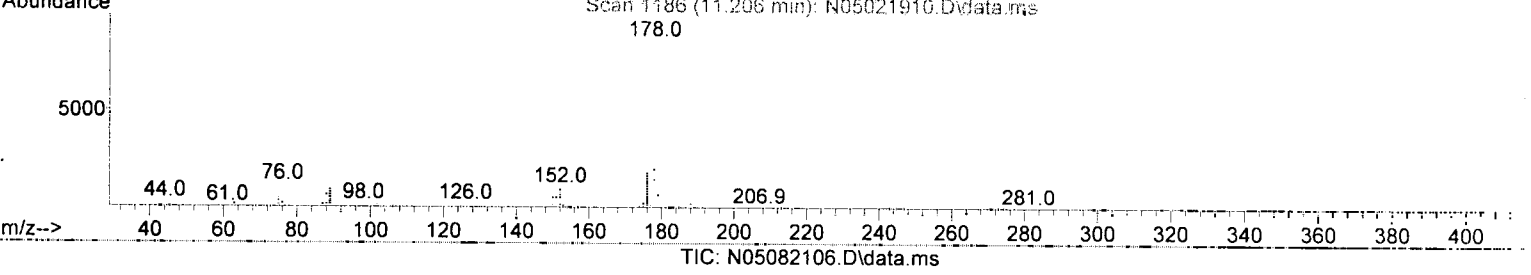
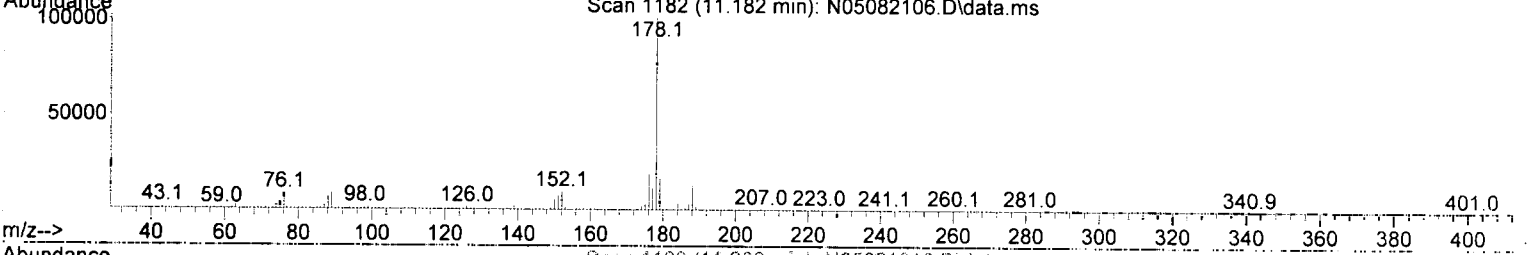
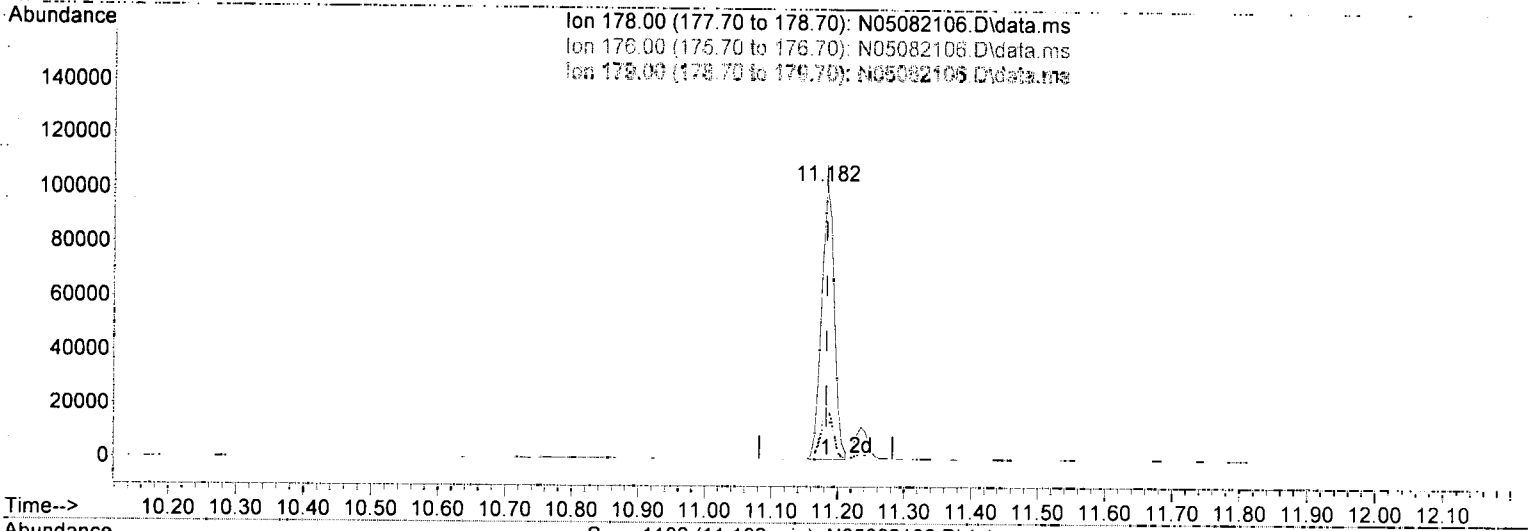
response 9335

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	97.65
167.00	13.60	16.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.182min (+ 0.000) 39.13 ng/ml

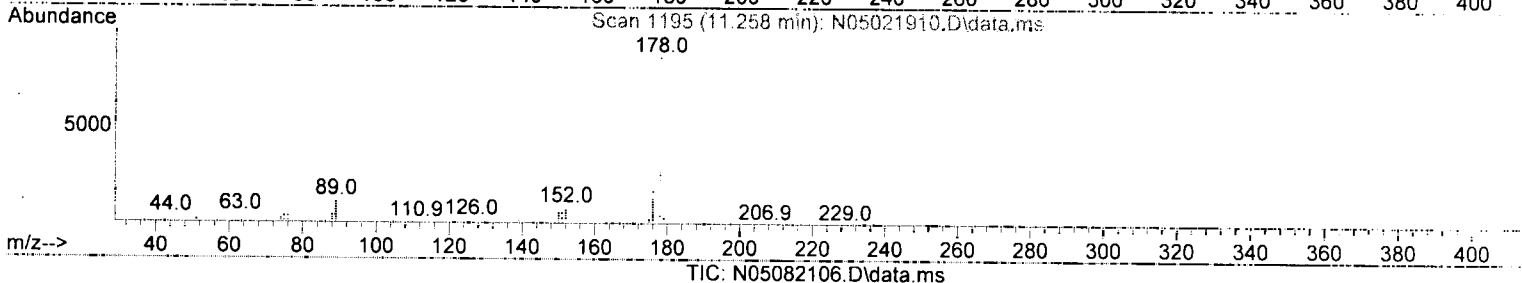
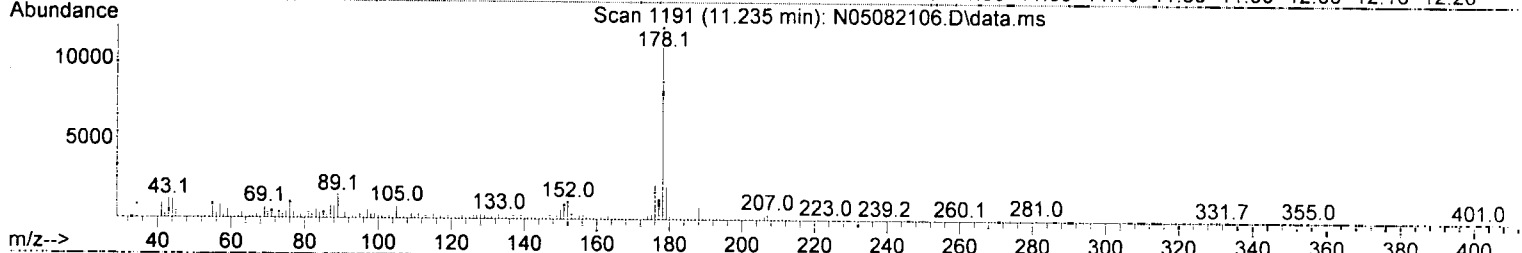
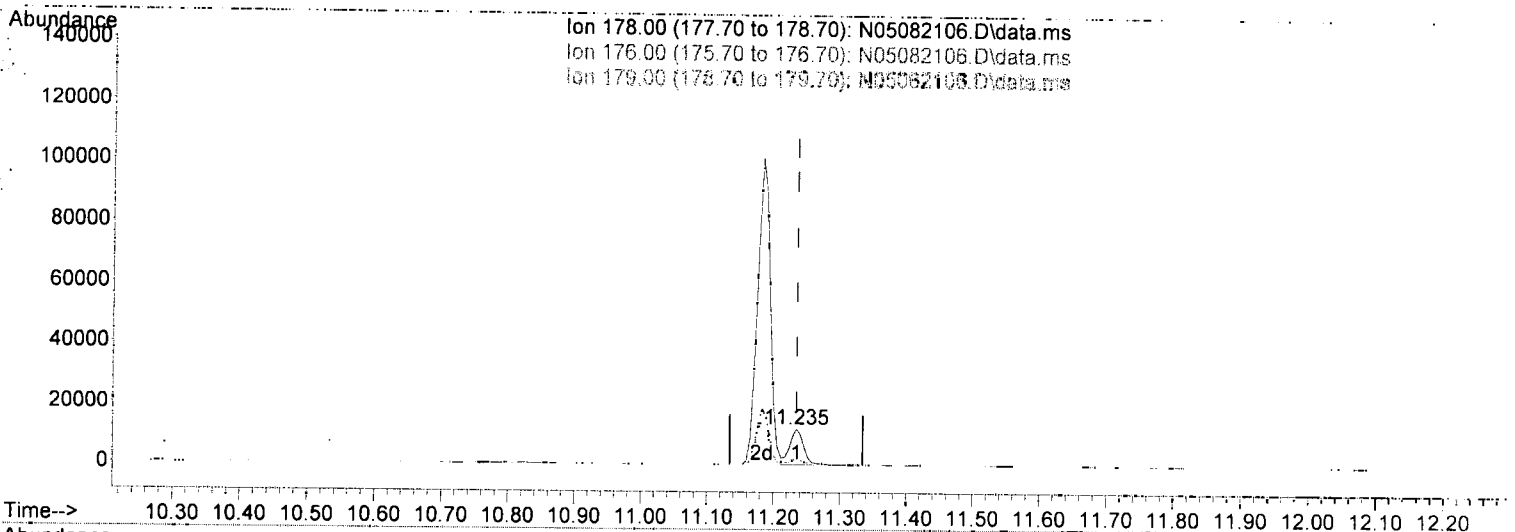
response 136725

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.25
179.00	15.10	15.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.235min (+ 0.000) 6.04 ng/ml

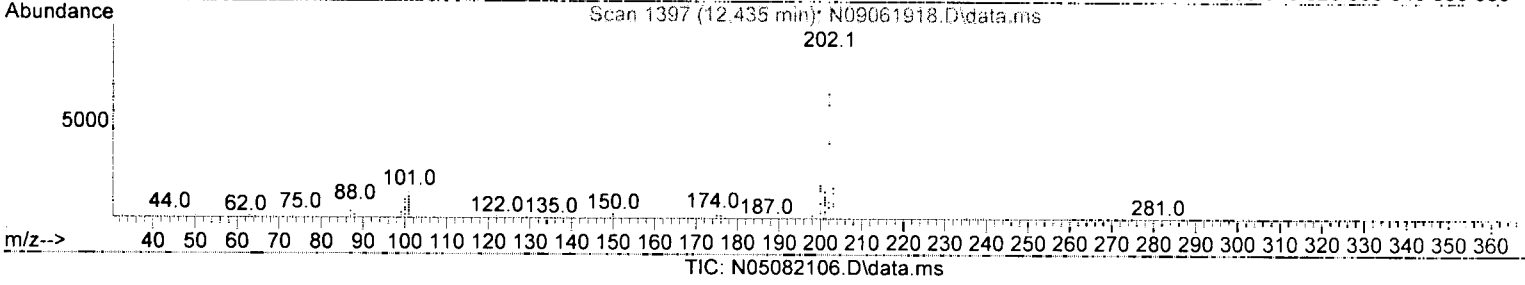
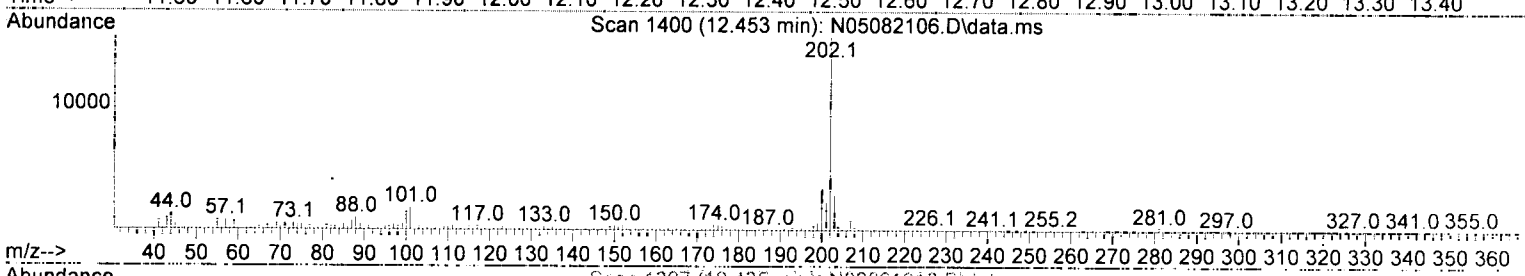
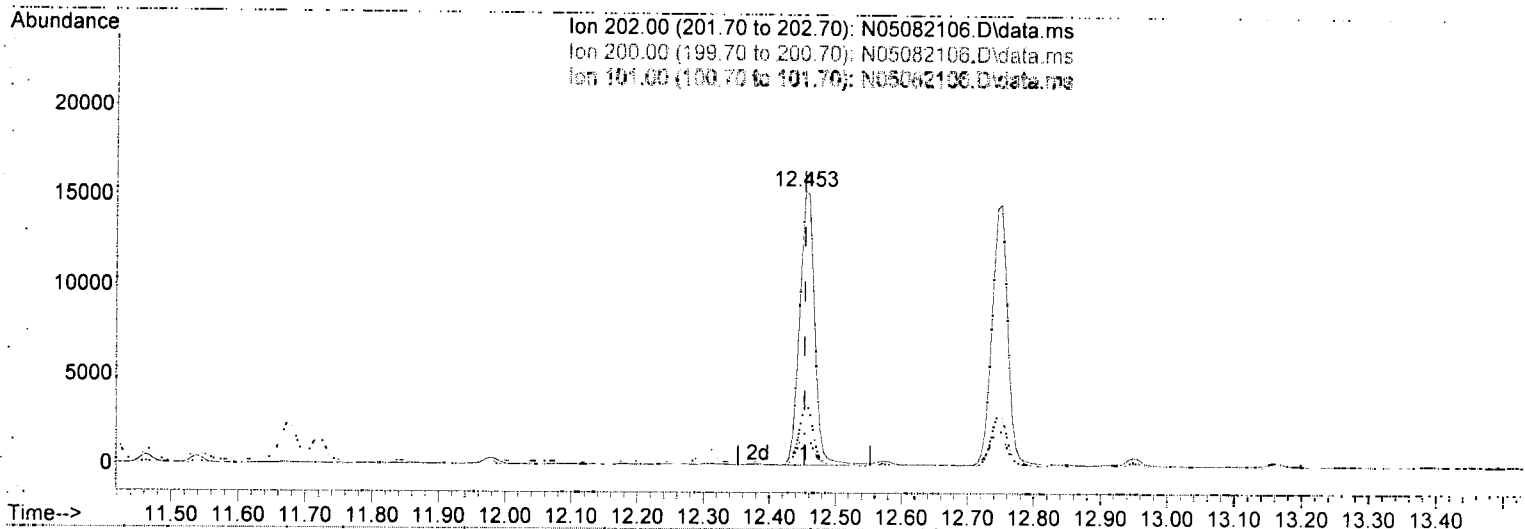
response 17276

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.46
179.00	15.30	17.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.453min (+ 0.000) 7.00 ng/ml

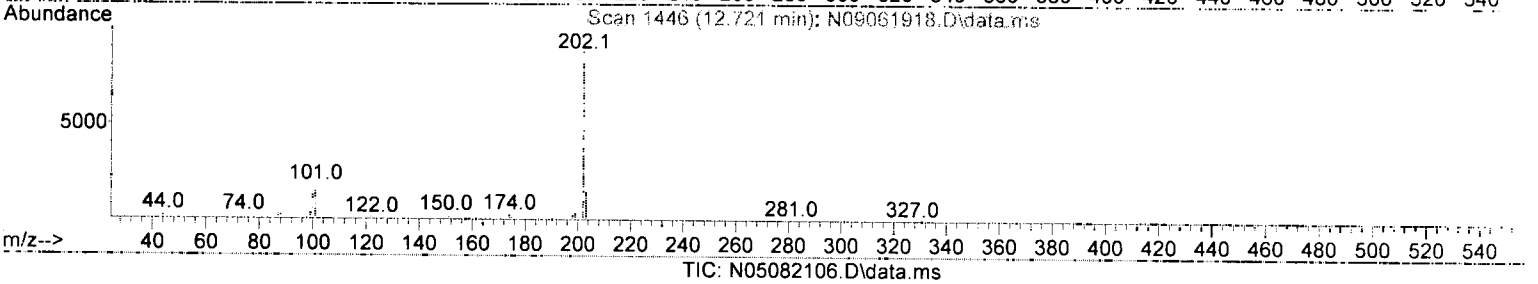
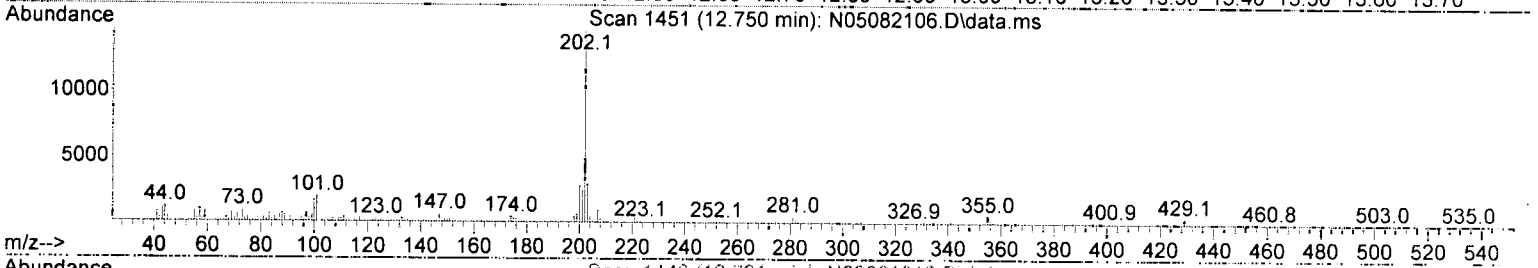
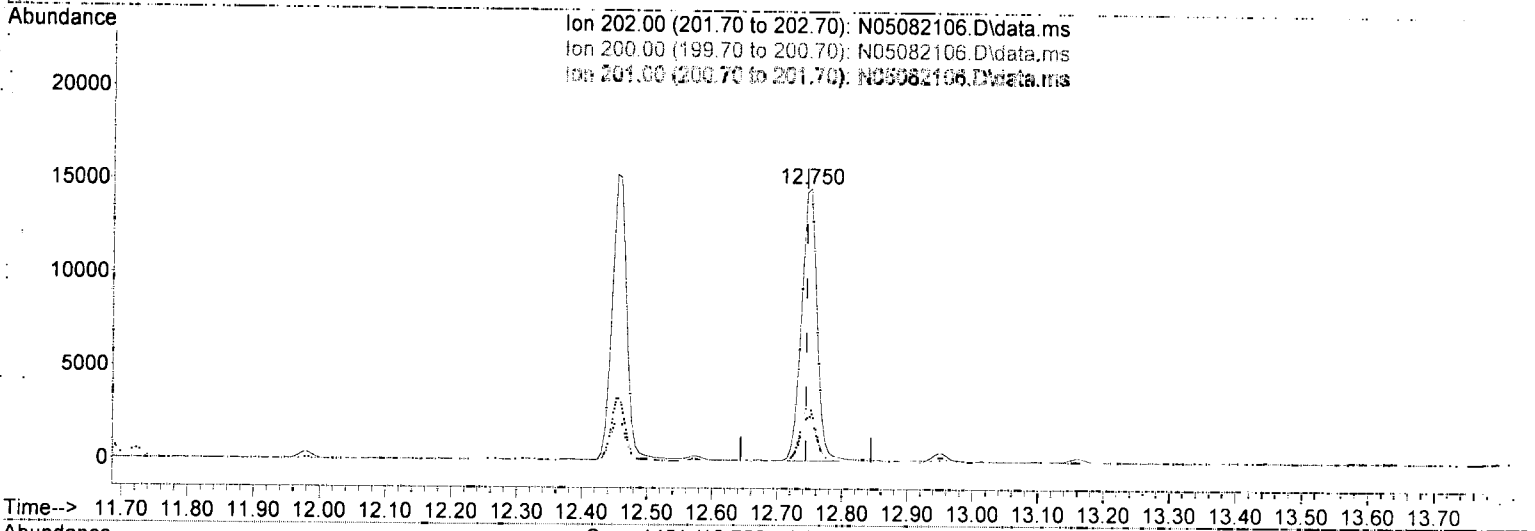
response 24122

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	21.86
101.00	15.30	11.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.750min (+ 0.006) 6.99 ng/ml

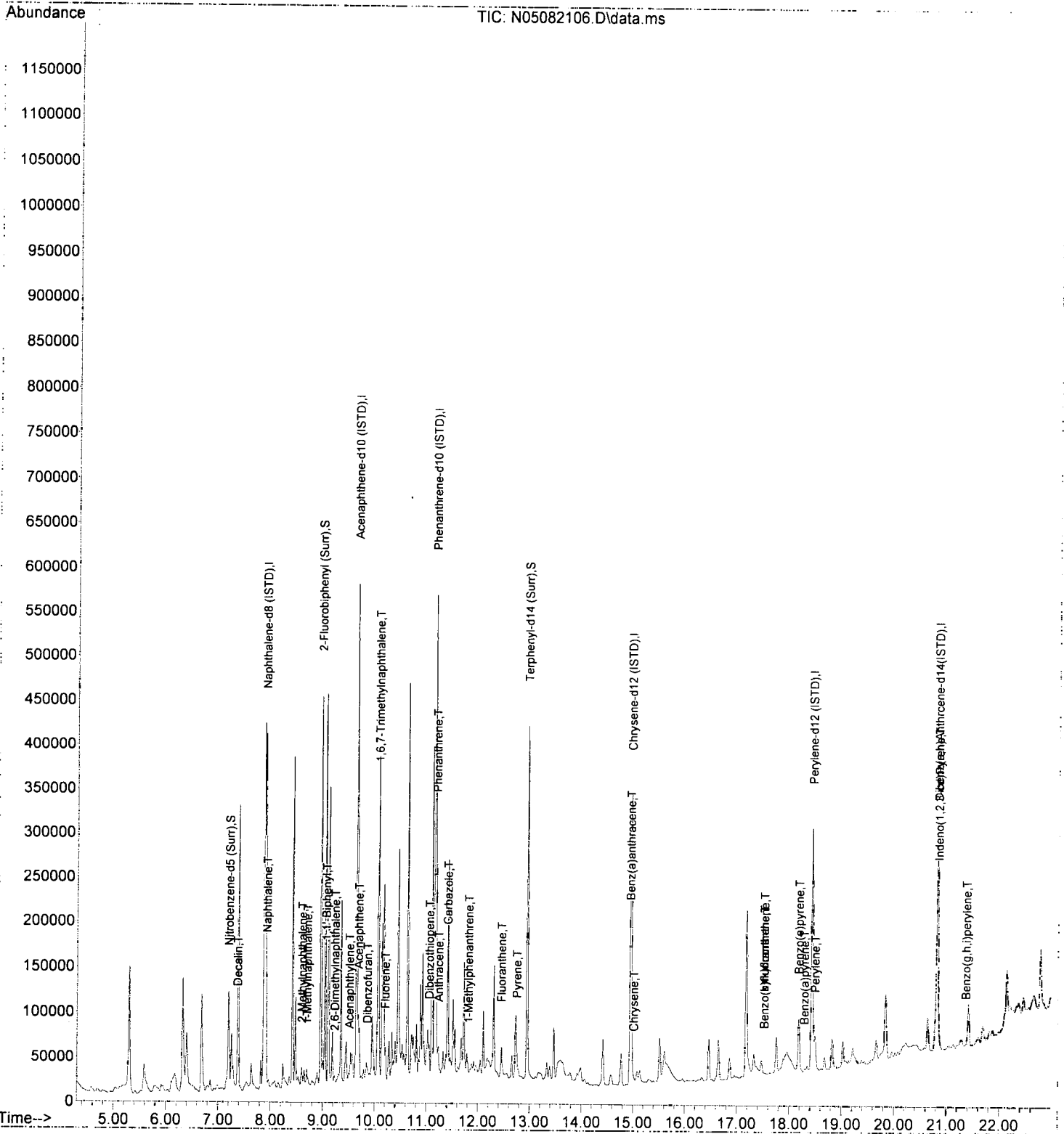
response 24171

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.07
201.00	16.80	16.65
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E08049\
 Data File : N05082106.D
 Acq On : 10 May 2020 03:44 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-07
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 82 Sample Multiplier: 1

Quant Time: May 11 14:52:59 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Sequence 0E11029 (A0D0763-01RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E11029

Instrument: SV-GCMS14

Date: 05/11/20 08:03

Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E11029-TUN1	Sediment	QC	QC			A20C491	A20D411
2	0E11029-IBL1	Sediment	QC	QC			A20C491	
3	0E11029-TUN2	Sediment	QC	QC			A20C491	A20D411
4	0E11029-CCV1	Sediment	QC	QC			A20C491	A20C472
5	0E11029-CCB1	Sediment	QC	QC			A20C491	
6	A0D0763-01RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C491	
7	0050335-DUP2	Sediment	QC	QC		0050335	A20C491	
8	A0D0694-12RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/11/20	0050304	A20C491	
9	0050304-DUP2	Sediment	QC	QC		0050304	A20C491	
10	A0D0673-11RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	
11	A0D0673-09RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C491	

Data Entered By: AMS 5/12/20

Comments:

Data Reviewed By: JK 5/12/20

5/12/2020 1:16:56PM

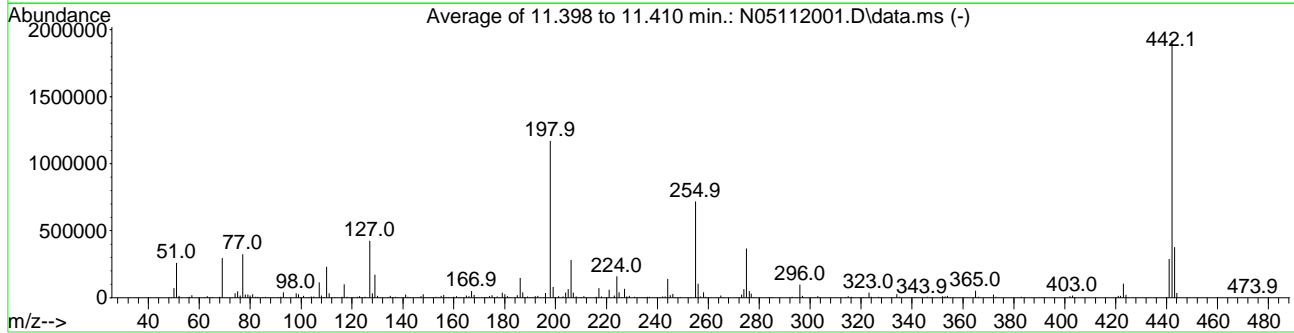
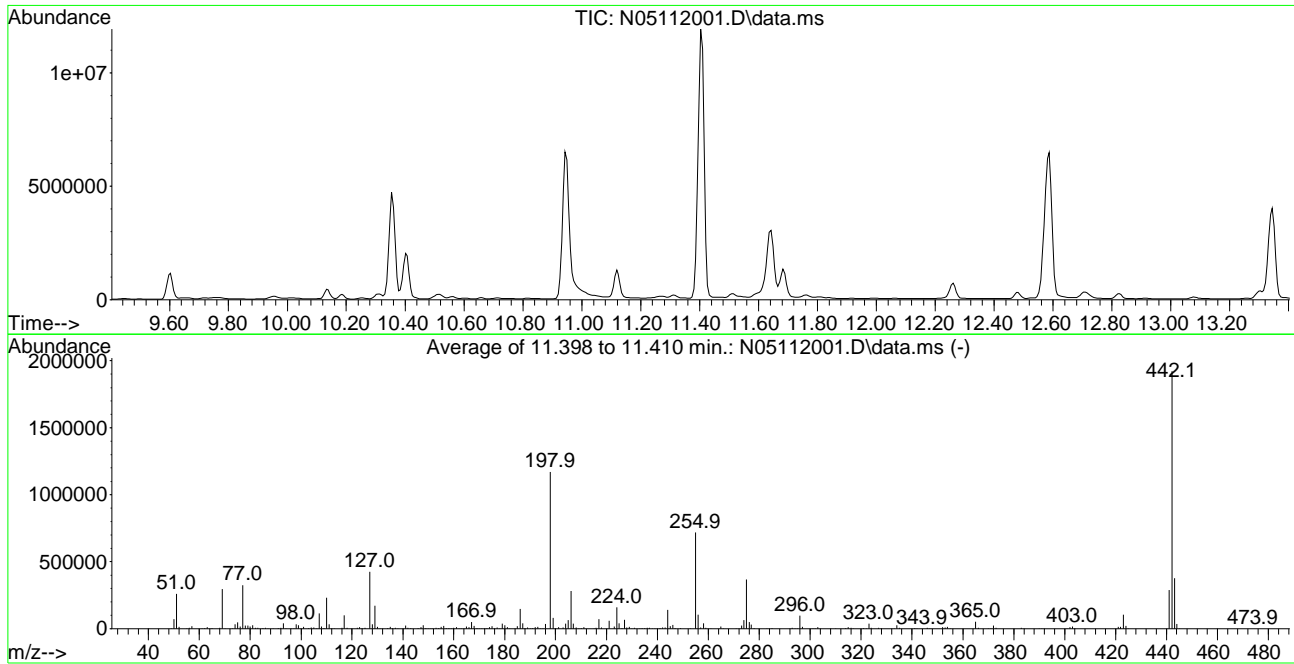
AMS 5/12/20

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112001.D
 Acq On : 11 May 2020 08:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

T01, BKD high

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



AutoFind: Scans 1219, 1220, 1221; Background Corrected with Scan 1213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	5901	PASS
69	69	100	100	100.0	296593	PASS
70	69	0.00	2	0.7	2061	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1169732	PASS
199	198	5	9	6.9	80631	PASS
365	198	1	100	4.6	53373	PASS
441	443	0.01	150	77.0	290048	PASS
442	198	0.10	200	164.4	1923243	PASS
443	442	15	24	19.6	376661	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112001.D
 Acq On : 11 May 2020 08:12 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 12:56:10 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

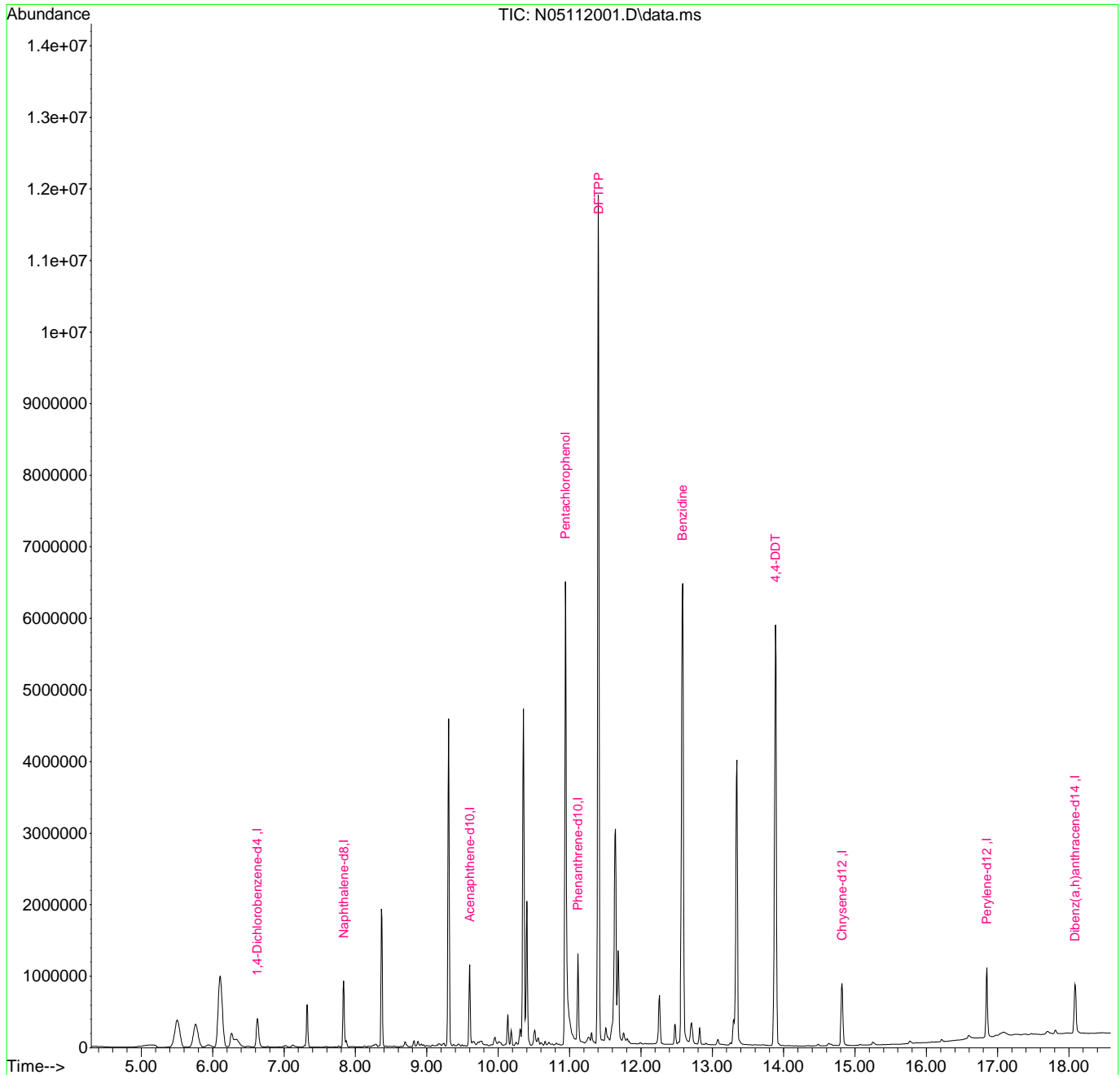
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.624	150	245683	2.00	ug/mL	0.00
2) Naphthalene-d8	7.837	136	638300	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.603	162	355401	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.118	188	678932	2.00	ug/mL	0.00
11) Chrysene-d12	14.819	240	614827	2.00	ug/mL	0.00
12) Perylene-d12	16.848	264	597203	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	18.083	292	537388	2.00	ug/mL	#-0.01
Target Compounds						Qvalue
4) Pentachlorophenol	10.943	266	1689944	50.35	ug/mL	80
6) DFTPP	11.410	442	3149395	57.46	ug/mL#	57
7) Benzidine	12.587	184	5184065	21.46	ug/mL	96
8) 4,4-DDE	12.826	TIC	348031	No Calib		
9) 4,4-DDD	13.345	TIC	6454881	No Calib		
10) 4,4-DDT	13.887	TIC	10868364	15.61	ug/mL	94

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
Data File : N05112001.D
Acq On : 11 May 2020 08:12 am
Operator : JK/ AMS/ DTH
Sample : 0E11029-TUN1
Misc : 1x, A20D411 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 12:56:10 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Sun May 10 11:11:10 2020
Response via : Initial Calibration



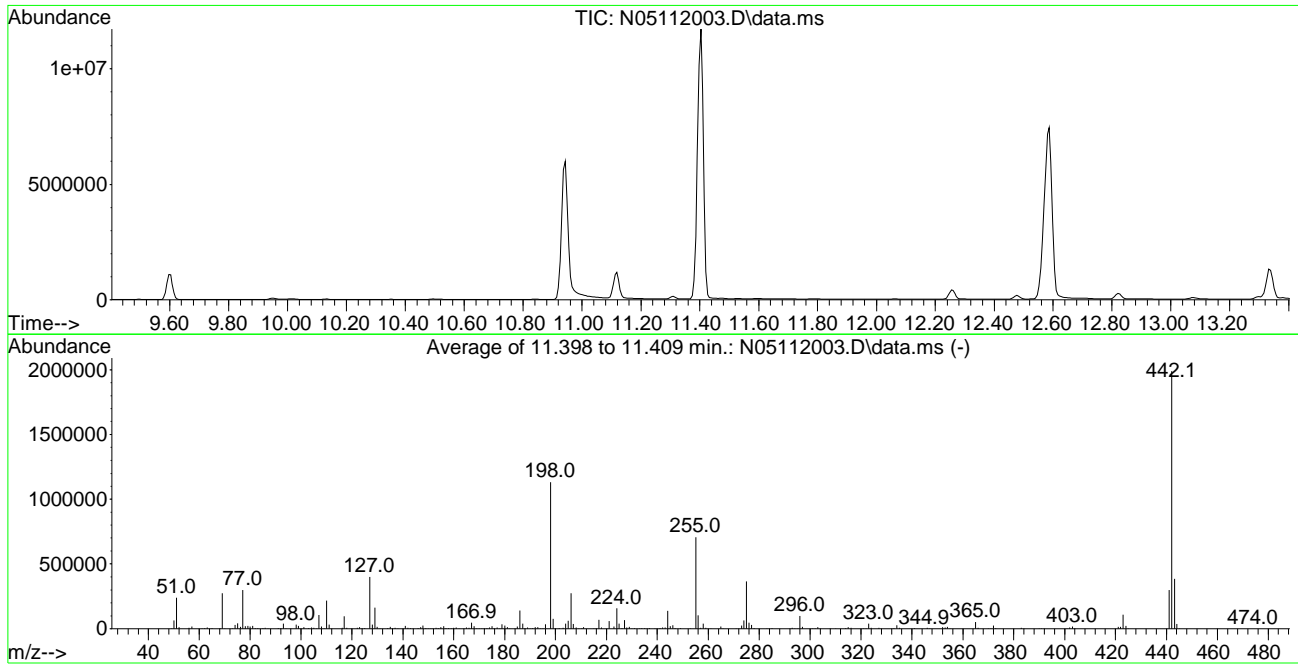
AMS 5/12/20

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112003.D
 Acq On : 11 May 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Replaced liner

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



AutoFind: Scans 1219, 1220, 1221; Background Corrected with Scan 1212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	5276	PASS
69	69	100	100	100.0	273847	PASS
70	69	0.00	2	0.5	1418	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1133653	PASS
199	198	5	9	6.8	77026	PASS
365	198	1	100	4.7	53280	PASS
441	443	0.01	150	77.7	298901	PASS
442	198	0.10	200	175.6	1990144	PASS
443	442	15	24	19.3	384832	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112003.D
 Acq On : 11 May 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 12:56:49 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

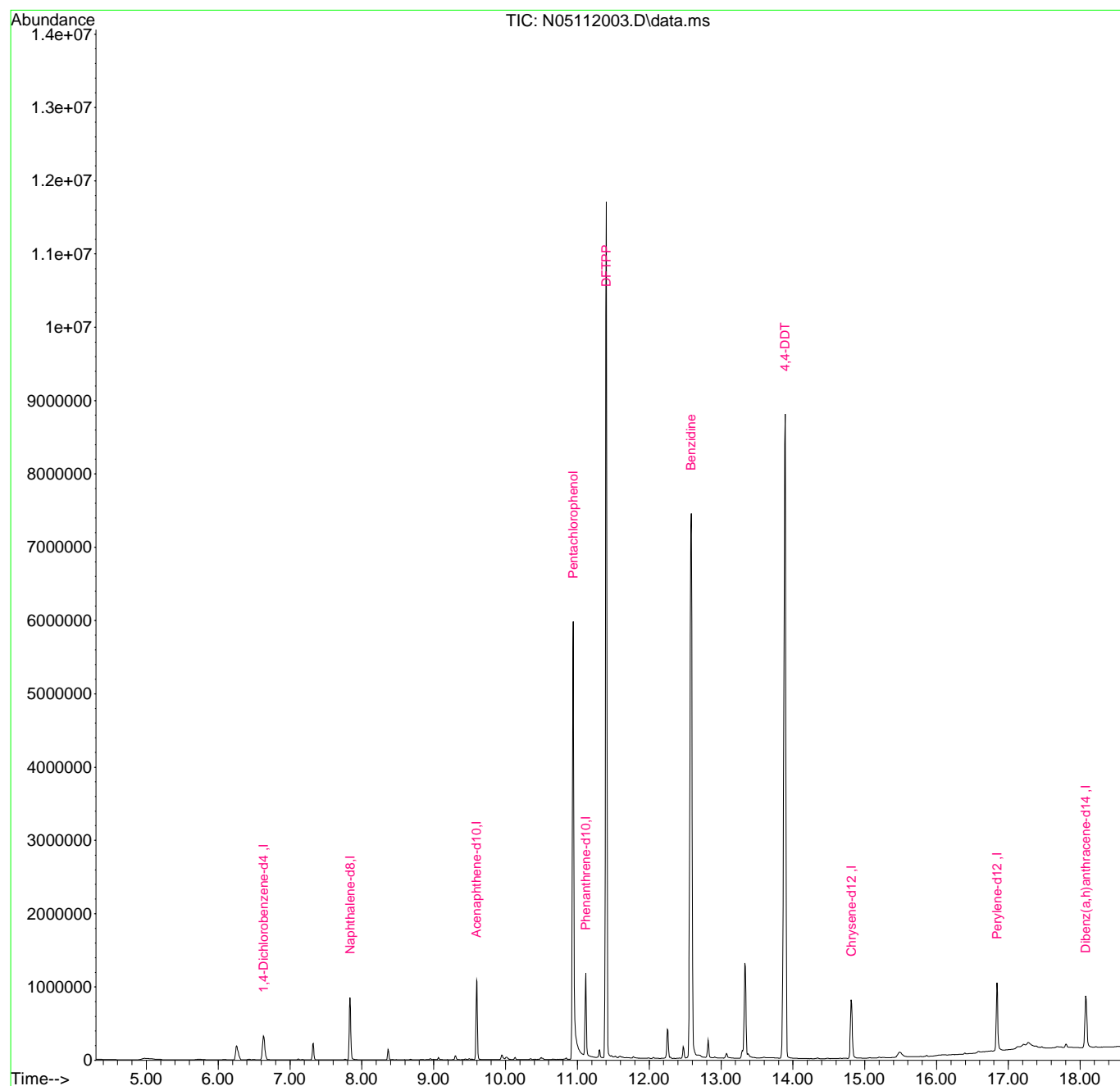
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.630	150	222615	2.00	ug/mL	0.00
2) Naphthalene-d8	7.837	136	615519	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.597	162	351490	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.118	188	648209	2.00	ug/mL	0.00
11) Chrysene-d12	14.813	240	567196	2.00	ug/mL	0.00
12) Perylene-d12	16.842	264	577363	2.00	ug/mL	-0.01
13) Dibenz(a,h)anthracene-...	18.077	292	551592	2.00	ug/mL	#-0.02
Target Compounds						Qvalue
4) Pentachlorophenol	10.943	266	1514982	45.64	ug/mL	77
6) DFTPP	11.404	442	3085702	58.97	ug/mL#	62
7) Benzidine	12.587	184	6306503	27.35	ug/mL	96
8) 4,4-DDE	12.820	TIC	357425	No Calib		
9) 4,4-DDD	13.333	TIC	2121029	No Calib		
10) 4,4-DDT	13.892	TIC	17891545	26.92	ug/mL	93

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
Data File : N05112003.D
Acq On : 11 May 2020 09:42 am
Operator : JK/ AMS/ DTH
Sample : 0E11029-TUN2
Misc : 1x, A20D411 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 12:56:49 2020
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Sun May 10 11:11:10 2020
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From: ² JK 5/12/20
0E11029-TUN1
SV-GCMS 14

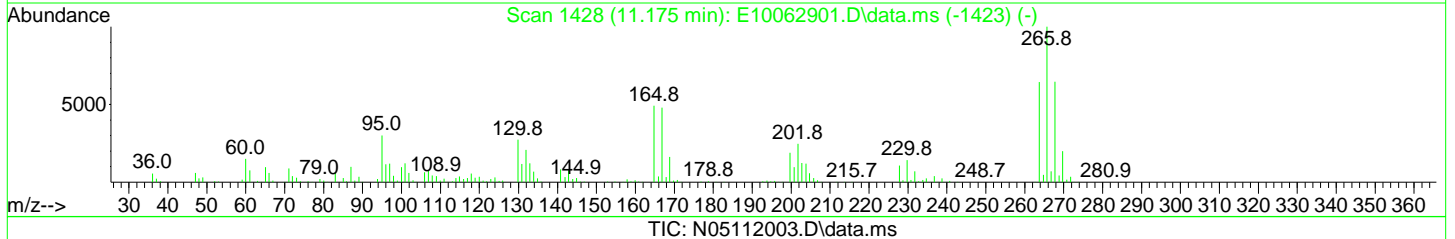
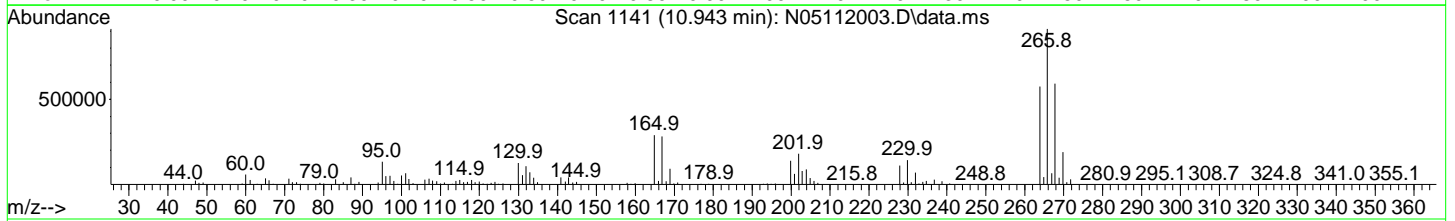
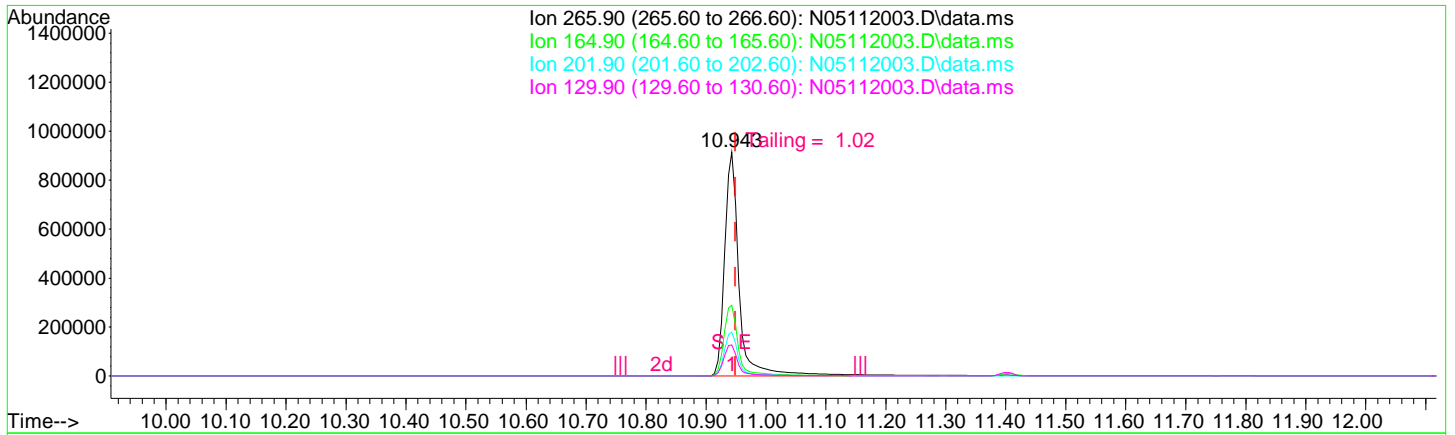
First Column Area Counts	Percent Breakdown	
DDE	357425	
DDD	2121029	
DDT	17891545	12.17 PASS

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112003.D
 Acq On : 11 May 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 12:56:49 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



TIC: N05112003.D\data.ms

(4) Pentachlorophenol

10.943min (-0.006) 45.64 ug/mL

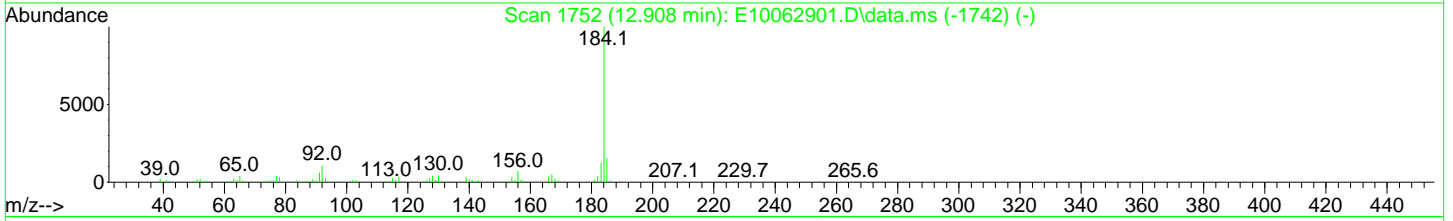
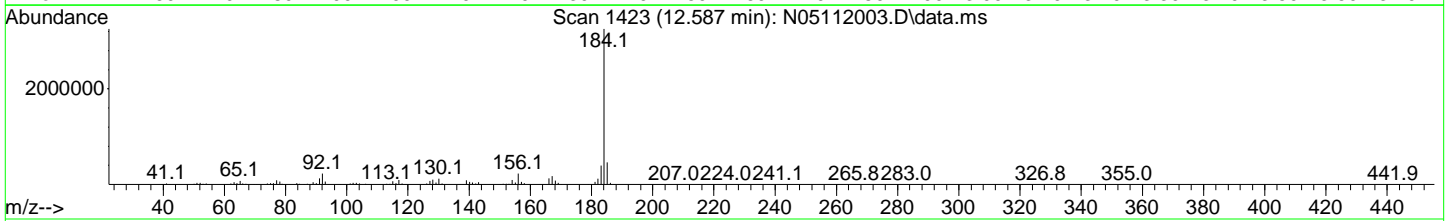
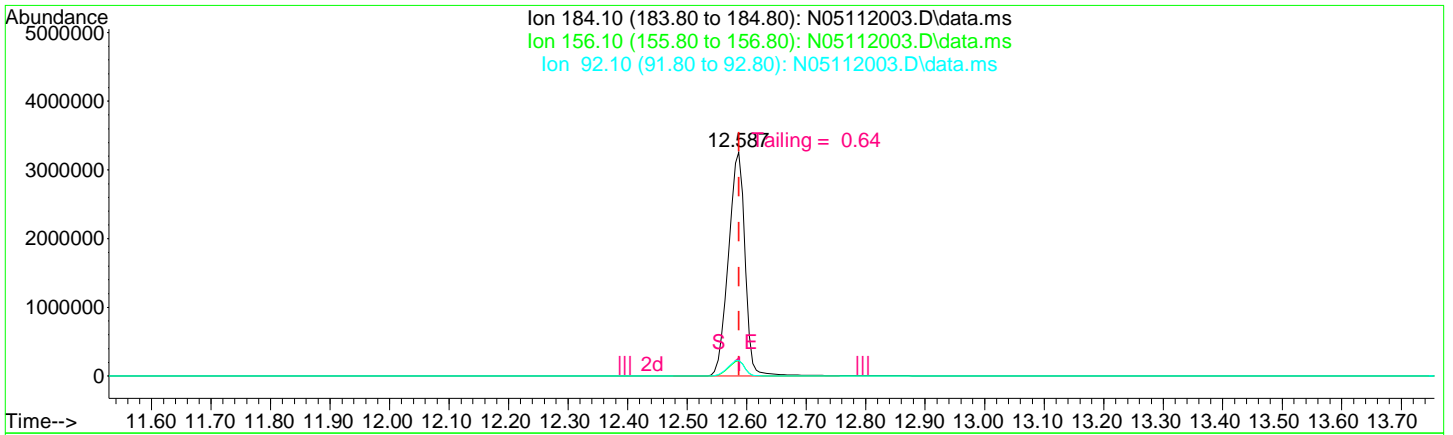
response 1514982

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	31.66
201.90	25.80	19.75
129.90	27.30	13.92

Quantitation Report (Qedit)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112003.D
 Acq On : 11 May 2020 09:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 12:56:49 2020
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



TIC: N05112003.D\data.ms

(7) Benzidine

12.587min (+ 0.000) 27.35 ug/mL

response 6306503

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.85
92.10	8.20	6.99
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112004.D
 Acq On : 11 May 2020 10:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

AMS 5/12/20

Quant Time: May 12 12:58:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	92	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	44.365	11.3	85	0.00
3 T	Decalin	50.000	59.940	-19.9	118	0.00
4 T	Naphthalene	50.000	48.165	3.7	91	0.00
5 T	2-Methylnaphthalene	50.000	50.214	-0.4	92	0.00
6 T	1-Methylnaphthalene	50.000	49.315	1.4	90	0.00
7 T	1,1'-Biphenyl	50.000	49.458	1.1	92	0.00
8 T	2,6-Dimethylnaphthalene	50.000	53.754	-7.5	100	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	96	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	49.938	0.1	96	0.00
11 T	Acenaphthylene	50.000	52.866	-5.7	98	0.00
12 T	Acenaphthene	50.000	48.896	2.2	93	0.00
13 T	Dibenzofuran	50.000	51.449	-2.9	99	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	53.552	-7.1	104	0.00
15 T	Fluorene	50.000	51.783	-3.6	101	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	103	0.00
17 T	Dibenzothiopene	50.000	49.289	1.4	100	0.00
18 T	Phenanthrene	50.000	46.817	6.4	97	0.00
19 T	Anthracene	50.000	53.161	-6.3	108	0.00
20 T	Carbazole	50.000	49.456	1.1	96	0.00
21 T	1-Methylphenanthrene	50.000	50.777	-1.6	101	0.00
22 T	Fluoranthene	50.000	48.973	2.1	99	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	89	0.01
24 T	Pyrene	50.000	52.177	-4.4	97	0.00
25 S	Terphenyl-d14 (Surr)	50.000	53.400	-6.8	95	0.00
26 T	Benz(a)anthracene	50.000	50.402	-0.8	94	0.01
27 T	Chrysene	50.000	48.253	3.5	87	0.00
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	90	0.01
29 T	Benzo(b)fluoranthene	50.000	51.358	-2.7	96	0.01
30 T	Benzo(k)fluoranthene	50.000	53.089	-6.2	96	0.01

Evaluate Continuing Calibration Report

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112004.D
 Acq On : 11 May 2020 10:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 12:58:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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)
31 T	Benzo(b+k)fluoranthene	100.000	103.261	-3.3	95	0.01
32 T	Benzo(e)pyrene	50.000	48.513	3.0	91	0.01
33 T	Benzo(a)pyrene	50.000	57.152	-14.3	98	0.01
34 T	Perylene	50.000	51.454	-2.9	86	0.02
35 I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	105	0.02
36 T	Indeno(1,2,3-cd)Pyrene	50.000	49.502	1.0	105	0.02
37 T	Dibenz(a,h)anthracene	50.000	51.254	-2.5	108	0.02
38 T	Benzo(g,h,i)perylene	50.000	47.803	4.4	98	0.02

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112004.D
 Acq On : 11 May 2020 10:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 12:58:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	244851	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	140147	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	248119	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	212901	100.00	ng/ml	0.01	
28) Perylene-d12 (ISTD)	18.433	264	210930	100.00	ng/ml	0.01	
35) Dibenz(a,h)Anthrcene-d...	20.823	292	199863	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	33934	44.36	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	108352	49.94	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	109849	53.40	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	11735	59.94	ng/ml		84
4) Naphthalene	7.912	128	128450	48.17	ng/ml		99
5) 2-Methylnaphthalene	8.600	142	89916	50.21	ng/ml		97
6) 1-Methylnaphthalene	8.699	142	87680	49.31	ng/ml		96
7) 1,1'-Biphenyl	9.061	154	111627	49.46	ng/ml		95
8) 2,6-Dimethylnaphthalene	9.224	156	83228	53.75	ng/ml		96
11) Acenaphthylene	9.504	152	138155	52.87	ng/ml		99
12) Acenaphthene	9.678	153	93735	48.90	ng/ml		99
13) Dibenzofuran	9.853	168	119379	51.45	ng/ml		93
14) 1,6,7-Trimethylnaphtha...	10.063	170	80445	53.55	ng/ml		99
15) Fluorene	10.203	166	95450	51.78	ng/ml		100
17) Dibenzothiopene	11.054	184	123589	49.29	ng/ml		94
18) Phenanthrene	11.182	178	133709	46.82	ng/ml		99
19) Anthracene	11.235	178	124341	53.16	ng/ml		99
20) Carbazole	11.404	167	99865	49.46	ng/ml		98
21) 1-Methylphenanthrene	11.806	192	97792	50.78	ng/ml		98
22) Fluoranthene	12.453	202	137845	48.97	ng/ml		95
24) Pyrene	12.744	202	144082	52.18	ng/ml		99
26) Benz(a)anthracene	14.930	228	111281	50.40	ng/ml		100
27) Chrysene	15.012	228	109569	48.25	ng/ml		100
29) Benzo(b)fluoranthene	17.524	252	111989	51.36	ng/ml		90
30) Benzo(k)fluoranthene	17.588	252	115403	53.09	ng/ml		90
31) Benzo(b+k)fluoranthene	17.588	252	236771	103.26	ng/ml		90
32) Benzo(e)pyrene	18.177	252	110612	48.51	ng/ml		97

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112004.D
 Acq On : 11 May 2020 10:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 12:58:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

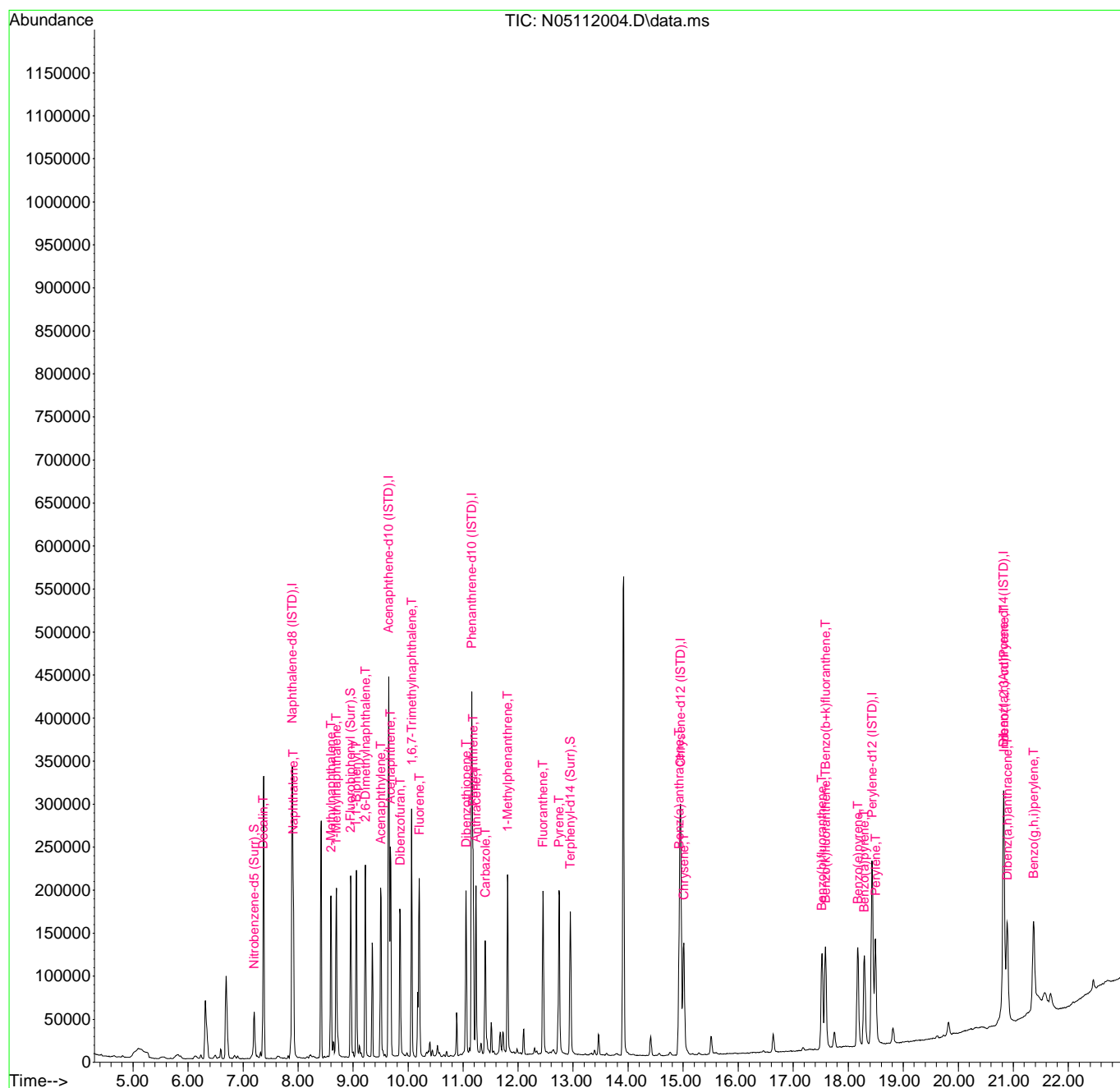
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.293	252	100098	57.15	ng/ml	96
34) Perylene	18.497	252	120800	51.45	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.829	276	107472	49.50	ng/ml	77
37) Dibenz(a,h)anthracene	20.893	278	112207	51.25	ng/ml	79
38) Benzo(g,h,i)perylene	21.371	276	111329	47.80	ng/ml	76

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112004.D
 Acq On : 11 May 2020 10:09 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 12:58:50 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 5/12/20

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112005.D
 Acq On : 11 May 2020 10:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 12:59:21 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	240034	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	133990	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	214524	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	196435	100.00	ng/ml	0.01	
28) Perylene-d12 (ISTD)	18.439	264	199329	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthrcene-d...	20.823	292	191395	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.172	82	148	0.20	ng/ml	-0.02	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
25) Terphenyl-d14 (Surr)	12.954	244	92	0.05	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	0.000		0		N.D.		
4) Naphthalene	7.924	128	510		N.D.		
5) 2-Methylnaphthalene	8.600	142	77		N.D.		
6) 1-Methylnaphthalene	8.705	142	111		N.D.		
7) 1,1'-Biphenyl	9.066	154	184		N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0		N.D.		
11) Acenaphthylene	9.503	152	61		N.D.		
12) Acenaphthene	0.000		0		N.D.		
13) Dibenzofuran	0.000		0		N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.		
15) Fluorene	10.209	166	81		N.D.		
17) Dibenzothiopene	0.000		0		N.D.		
18) Phenanthrene	11.182	178	184		N.D.		
19) Anthracene	11.182	178	168		N.D.		
20) Carbazole	11.398	167	78		N.D.		
21) 1-Methylphenanthrene	11.817	192	68		N.D.		
22) Fluoranthene	12.453	202	61		N.D.		
24) Pyrene	12.750	202	57		N.D.		
26) Benz(a)anthracene	14.953	228	535		N.D.		
27) Chrysene	15.011	228	80		N.D.		
29) Benzo(b)fluoranthene	17.518	252	87		N.D.		
30) Benzo(k)fluoranthene	17.599	252	124		N.D.		
31) Benzo(b+k)fluoranthene	17.599	252	124		N.D.		
32) Benzo(e)pyrene	18.299	252	70		N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112005.D
 Acq On : 11 May 2020 10:42 am
 Operator : JK/ AMS/ DTH
 Sample : 0E11029-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 12:59:21 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

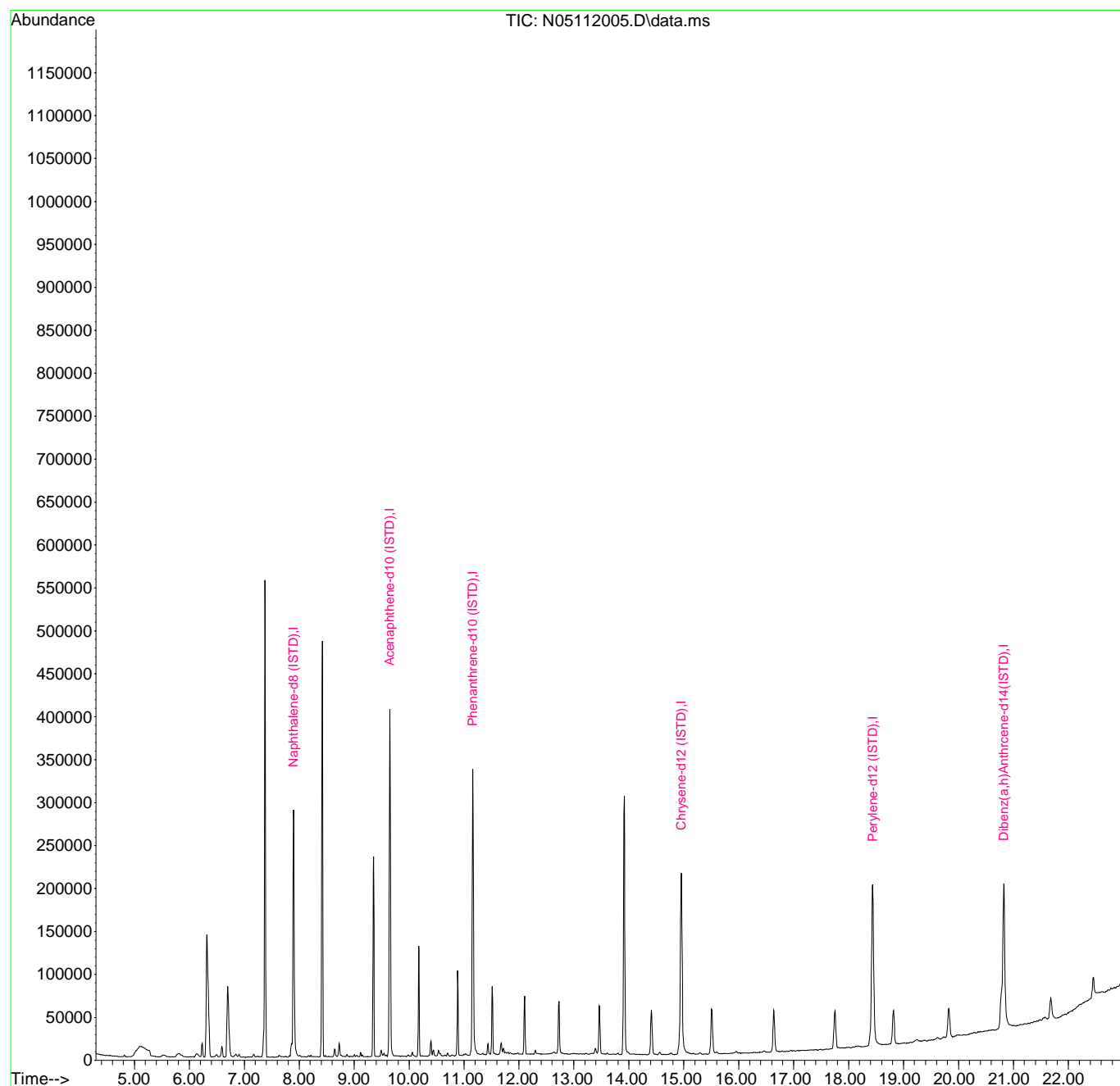
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.299	252	70			N.D.
34) Perylene	18.509	252	78			N.D.
36) Indeno(1,2,3-cd)Pyrene	20.817	276	101			N.D.
37) Dibenz(a,h)anthracene	20.893	278	220			N.D.
38) Benzo(g,h,i)perylene	21.382	276	170			N.D.

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
Data File : N05112005.D
Acq On : 11 May 2020 10:42 am
Operator : JK/ AMS/ DTH
Sample : 0E11029-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 12:59:21 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112006.D
 Acq On : 11 May 2020 11:14 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-01RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

AMS 5/12/20

Quant Time: May 12 12:59:46 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	236915	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	138362	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	240916	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.953	240	209370	100.00	ng/ml	0.01
28) Perylene-d12 (ISTD)	18.433	264	208970	100.00	ng/ml	0.01
35) Dibenz(a,h)Anthracene-d...	20.823	292	188367	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	13784	18.62	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.956	172	43075	20.11	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.948	244	48058	23.76	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.312	138	169	0.89	ng/ml#	46
4) Naphthalene	7.912	128	26898	10.42	ng/ml	98
5) 2-Methylnaphthalene	8.594	142	882	0.51	ng/ml	93
6) 1-Methylnaphthalene	8.699	142	1282	0.75	ng/ml	91
7) 1,1'-Biphenyl	9.060	154	1106	0.51	ng/ml	99
8) 2,6-Dimethylnaphthalene	9.224	156	1046	0.70	ng/ml	94
11) Acenaphthylene	9.503	152	607	N.D.		
12) Acenaphthene	9.678	153	1849	0.98	ng/ml	94
13) Dibenzofuran	9.853	168	722	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	343	N.D.		
15) Fluorene	10.203	166	759	0.42	ng/ml	79
17) Dibenzothiopene	11.054	184	354	N.D.		
18) Phenanthrene	11.182	178	3096	1.12	ng/ml	71
19) Anthracene	11.235	178	622	N.D.		
20) Carbazole	11.404	167	416	N.D.		
21) 1-Methylphenanthrene	11.806	192	306	N.D.		
22) Fluoranthene	12.453	202	1568	0.57	ng/ml	84
24) Pyrene	12.744	202	1845	0.68	ng/ml	81
26) Benz(a)anthracene	14.942	228	843	N.D.		
27) Chrysene	15.012	228	329	N.D.		
29) Benzo(b)fluoranthene	17.530	252	329	N.D.		
30) Benzo(k)fluoranthene	17.576	252	215	N.D.		
31) Benzo(b+k)fluoranthene	17.530	252	1082	0.48	ng/ml	44
32) Benzo(e)pyrene	18.182	252	1438	0.64	ng/ml#	1

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112006.D
 Acq On : 11 May 2020 11:14 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-01RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 12:59:46 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

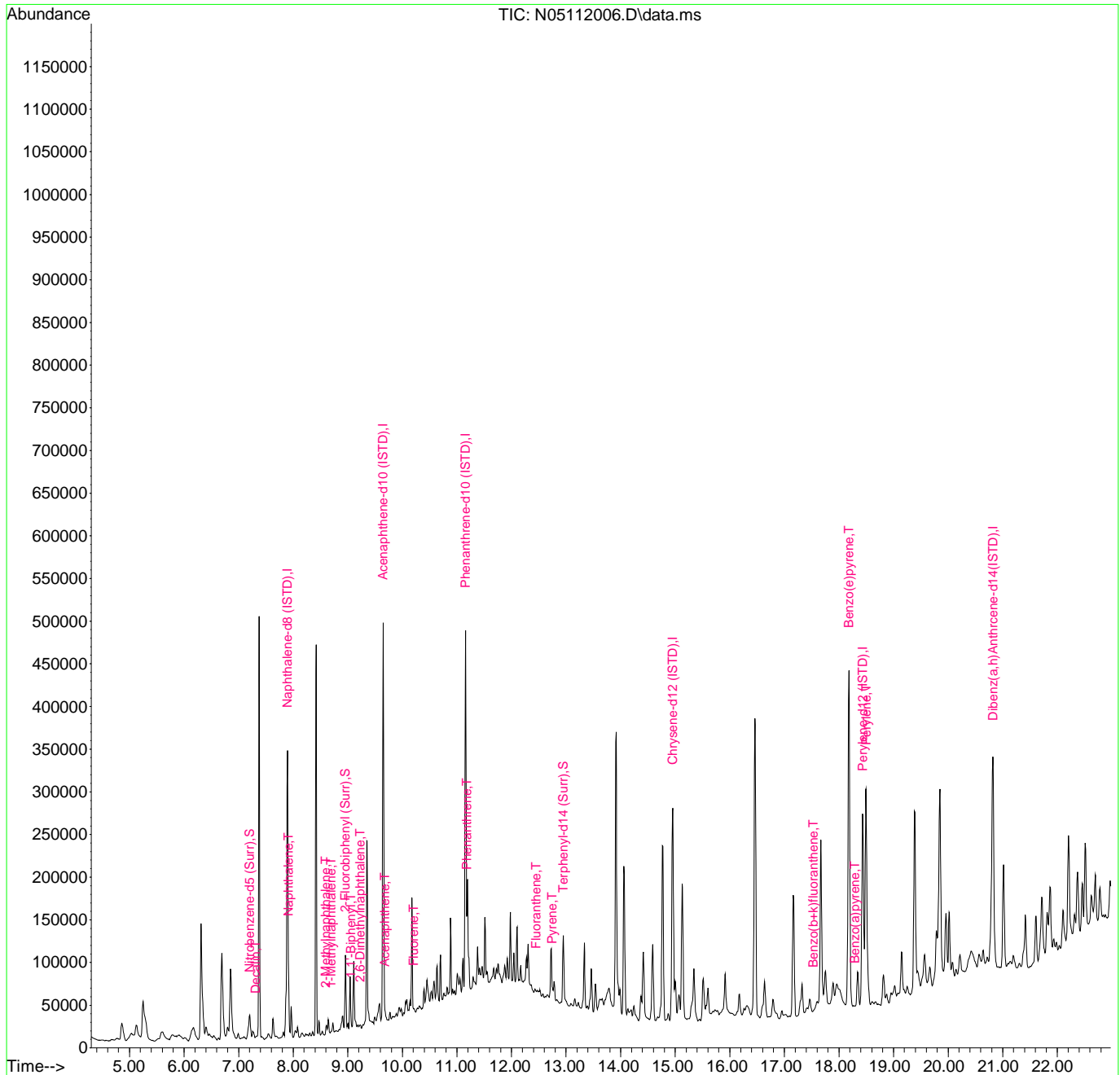
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.287	252	242	0.45	ng/ml#	1
34) Perylene	18.497	252	251857	108.28	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.840	276	563	N.D.		
37) Dibenz(a,h)anthracene	20.893	278	110	N.D.		
38) Benzo(g,h,i)perylene	21.365	276	447	N.D.		

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
Data File : N05112006.D
Acq On : 11 May 2020 11:14 am
Operator : JK/ AMS/ DTH
Sample : A0D0763-01RE1@4
Misc : 4x, 8270D LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1

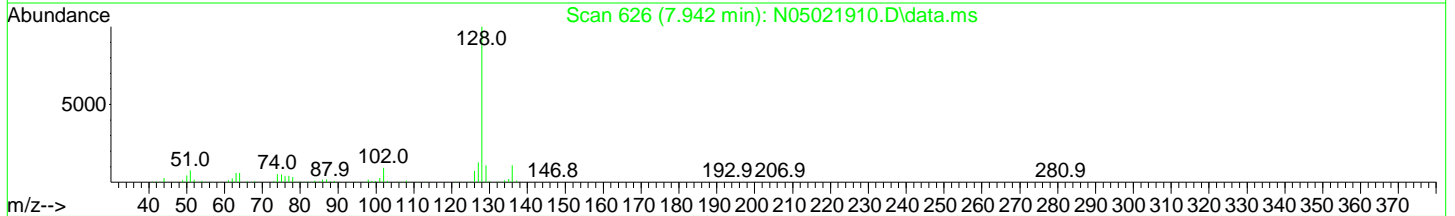
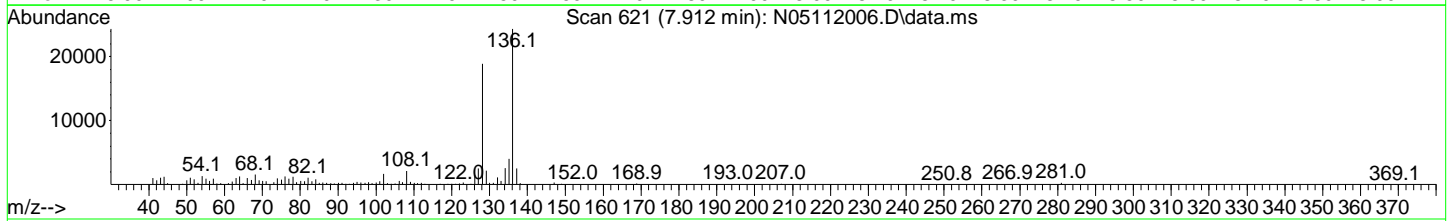
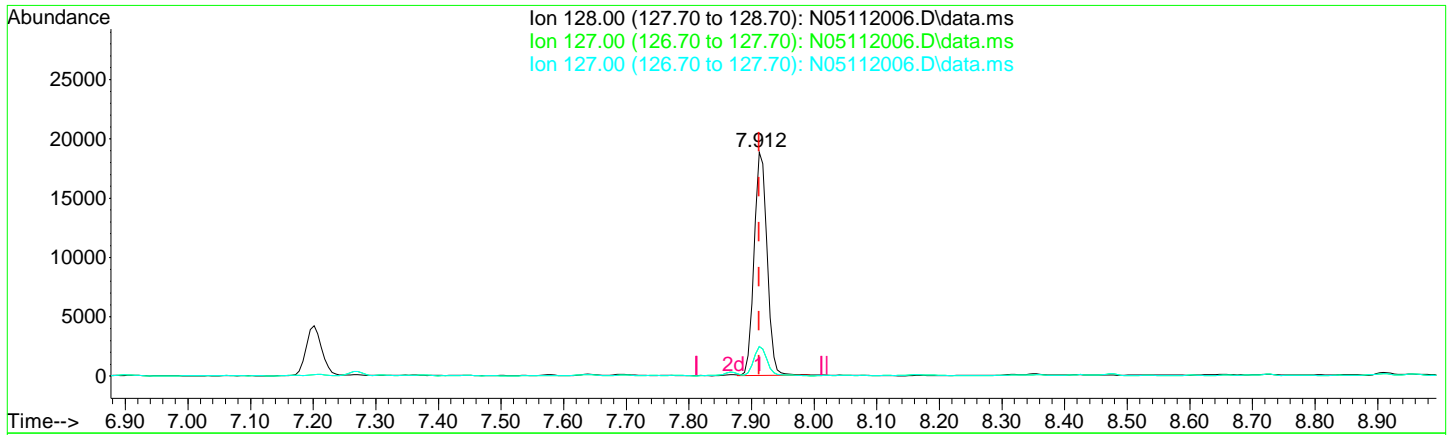
Quant Time: May 12 12:59:46 2020
Quant Method : U:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112006.D
 Acq On : 11 May 2020 11:14 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-01RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 12 12:59:46 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05112006.D\data.ms

(4) Naphthalene (T)

7.912min (+ 0.000) 10.42 ng/ml

response 26898

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.25
127.00	12.60	13.25
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112007.D
 Acq On : 11 May 2020 11:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0050335-DUP2@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

AMS 5/12/20

Quant Time: May 12 13:02:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	239138	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.649	162	147457	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.159	188	265201	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.959	240	264433	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.445	264	268650	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthrcene-d...	20.829	292	242178	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	12129	16.24	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.961	172	44157	19.34	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	58074	22.73	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	7.318	138	97	0.51	ng/ml#	1
4) Naphthalene	7.918	128	23896	9.17	ng/ml	96
5) 2-Methylnaphthalene	8.600	142	4054	2.32	ng/ml	95
6) 1-Methylnaphthalene	8.699	142	3028	1.74	ng/ml	99
7) 1,1'-Biphenyl	9.060	154	1277	0.58	ng/ml	86
8) 2,6-Dimethylnaphthalene	9.230	156	3810	2.52	ng/ml	99
11) Acenaphthylene	9.509	152	1037	N.D.		
12) Acenaphthene	9.684	153	1472	0.73	ng/ml	96
13) Dibenzofuran	9.859	168	792	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.063	170	1286	0.81	ng/ml	87
15) Fluorene	10.209	166	784	0.40	ng/ml	78
17) Dibenzothiopene	11.054	184	518	N.D.		
18) Phenanthrene	11.182	178	3887	1.27	ng/ml	93
19) Anthracene	11.235	178	630	N.D.		
20) Carbazole	11.404	167	433	N.D.		
21) 1-Methylphenanthrene	11.812	192	472	N.D.		
22) Fluoranthene	12.459	202	2679	0.89	ng/ml	96
24) Pyrene	12.750	202	3396	0.99	ng/ml	92
26) Benz(a)anthracene	14.953	228	1558	0.57	ng/ml	69
27) Chrysene	15.012	228	1264	0.45	ng/ml	81
29) Benzo(b)fluoranthene	17.529	252	1575	0.57	ng/ml	53
30) Benzo(k)fluoranthene	17.529	252	1728	0.62	ng/ml	57
31) Benzo(b+k)fluoranthene	17.529	252	2448	0.84	ng/ml	57
32) Benzo(e)pyrene	18.188	252	2012	0.69	ng/ml#	1

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112007.D
 Acq On : 11 May 2020 11:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0050335-DUP2@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 12 13:02:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

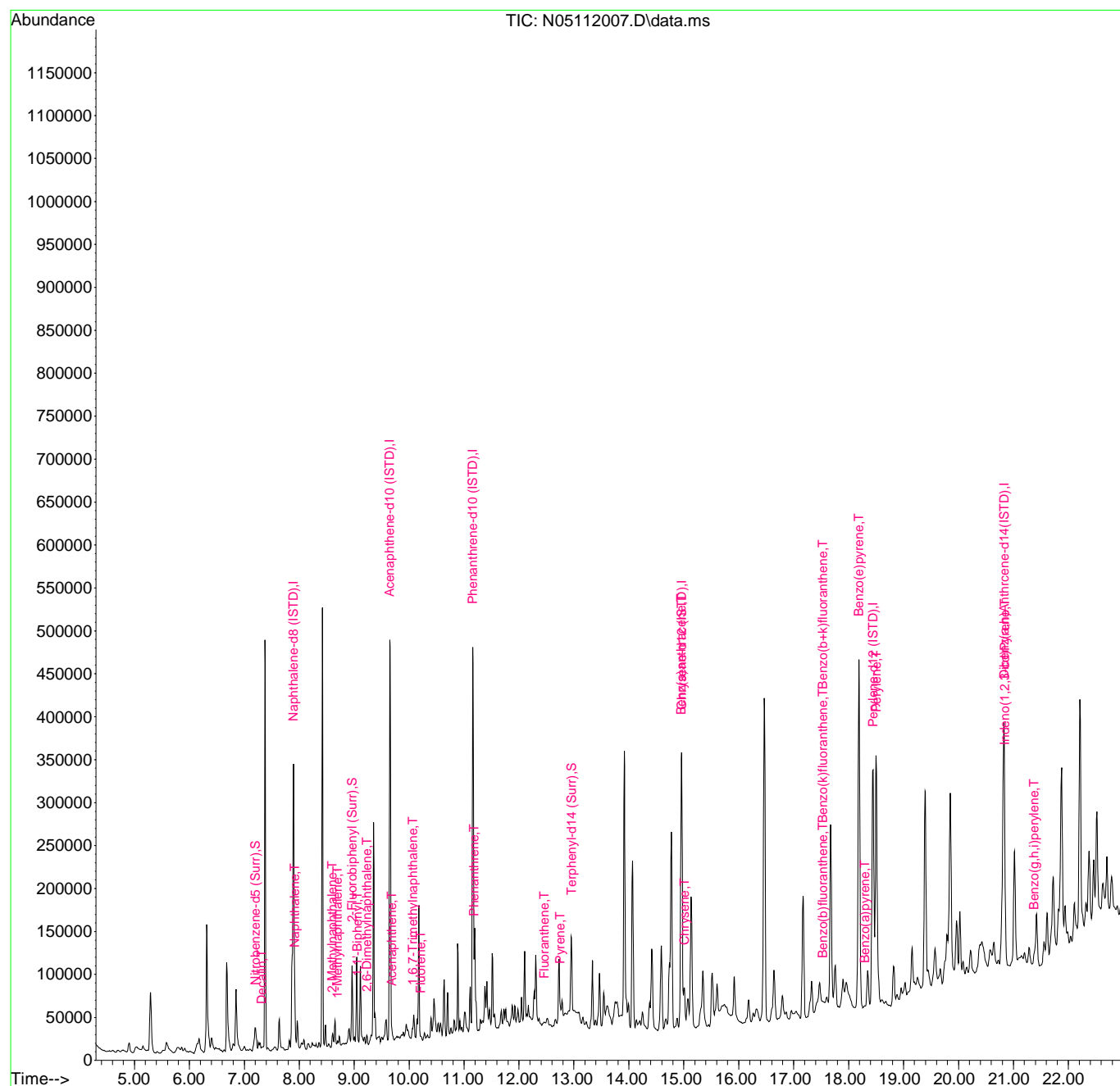
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(a)pyrene	18.299	252	1098	0.81	ng/ml	40
34) Perylene	18.503	252	275243	92.05	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.840	276	1151	0.44	ng/ml#	1
37) Dibenz(a,h)anthracene	20.893	278	195	N.D.		
38) Benzo(g,h,i)perylene	21.376	276	1401	0.50	ng/ml#	28

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

Quantitation Report (Not Reviewed)

Data Path : U:\data\2020-05\0E11029\
 Data File : N05112007.D
 Acq On : 11 May 2020 11:46 am
 Operator : JK/ AMS/ DTH
 Sample : 0050335-DUP2@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 12 13:02:28 2020
 Quant Method : U:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data**

Sequence 0E11050 (A0D0763-01RE1,02RE1,03RE1,04RE1,05RE1,06RE1,
09RE1,10RE1,11RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E11050

Instrument: SV-GCMS14

Date: 05/11/20 14:23

Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E11050-TUN1	Soil	QC	QC			A20C067	A20D411
2	0E11050-IBL1	Soil	QC	QC			A20C067	
3	0E11050-TUN2	Soil	QC	QC			A20C067	A20D411
4	0E11050-CCV1	Soil	QC	QC			A20C067	A20C472
5	0E11050-CCB1	Soil	QC	QC			A20C067	
6	0050378-BLK1	Sediment	QC	QC		0050378	A20C067	
7	0050378-BS1	Sediment	QC	QC		0050378	A20C067	
8	A0D0758-16	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050378	A20C067	
9	0050378-DUP1	Sediment	QC	QC		0050378	A20C067	
10	A0E0004-13	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/13/20	0050378	A20C067	
11	0050378-MS1	Sediment	QC	QC		0050378	A20C067	
12	0050378-MSD1	Sediment	QC	QC		0050378	A20C067	
13	A0D0763-03RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
14	A0D0763-04RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
15	A0D0763-05RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
16	A0D0763-06RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
17	A0D0673-12RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C067	
18	A0D0763-02RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
19	A0D0763-11RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
20	A0D0673-13RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050218	A20C067	
21	A0D0677-55RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
22	A0D0677-56RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
23	A0D0677-57RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
24	A0D0677-58RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/08/20	0050249	A20C067	
25	A0D0763-09RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
26	A0D0763-10RE1	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	05/12/20	0050335	A20C067	
27	0E11050-IBL2	Soil	QC	QC			A20C067	

Data Entered By: HWL 5/13/20

Comments:

Data Reviewed By: HWL 5/13/20
06/25/20 Anchor QEA, LLC - Gasco PreRD_DG 2019 - 4a-b. DOC-CAP Testing Cores Page 1765 of 2108

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112012.D
 Acq On : 11 May 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

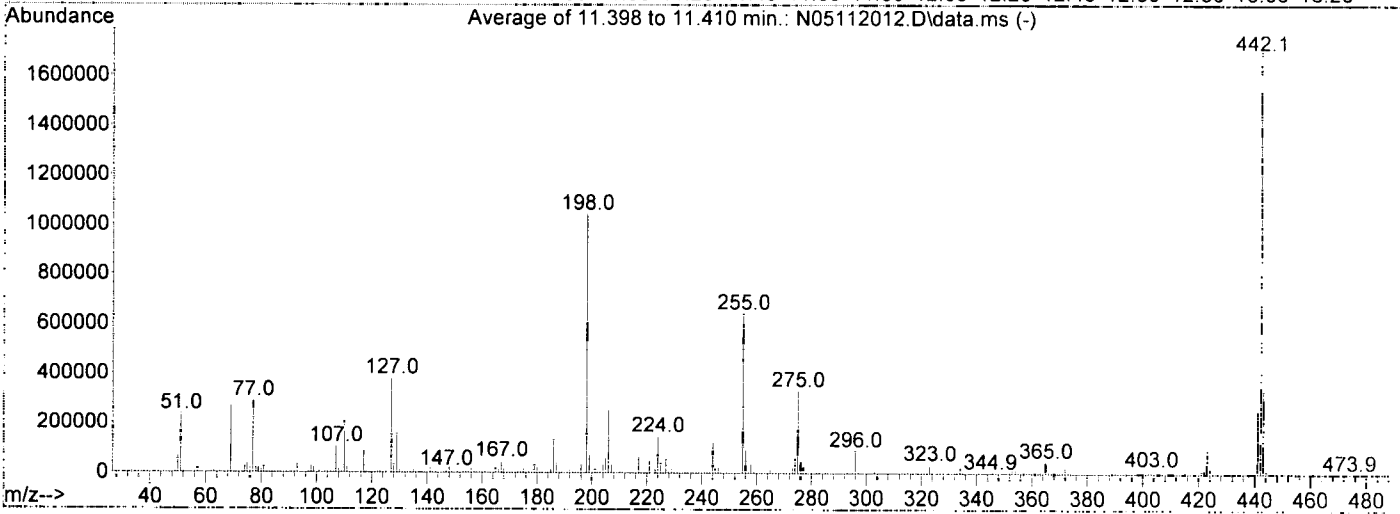
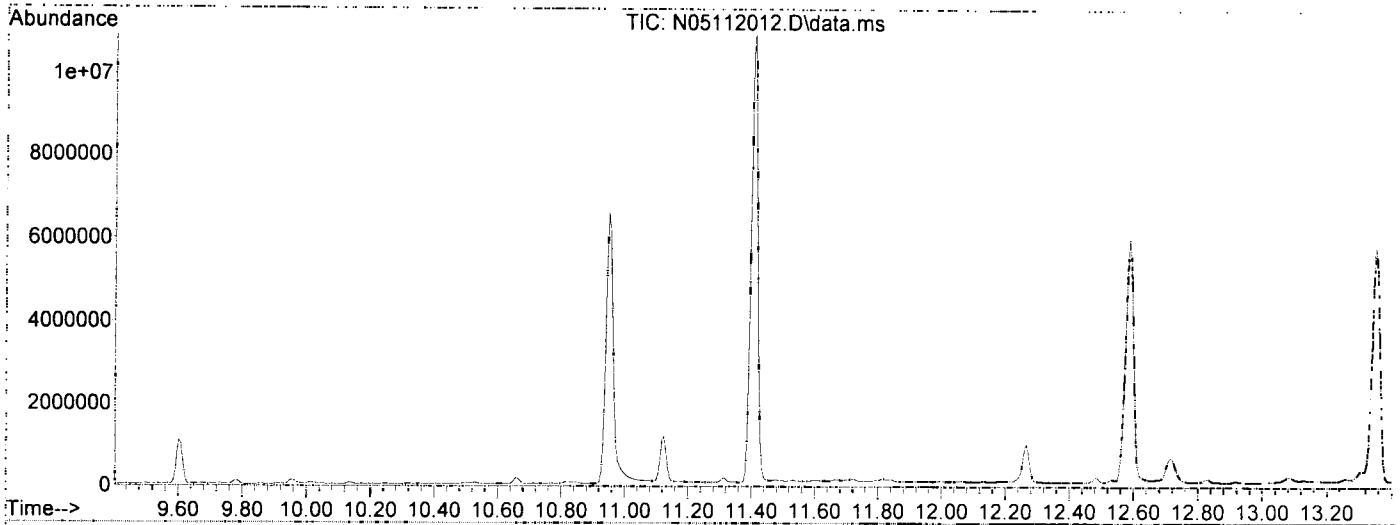
from 5/12/20

FDI

Breakdown failed

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



AutoFind: Scans 1219, 1220, 1221; Background Corrected with Scan 1213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	5308	PASS
69	69	100	100	100.0	267589	PASS
70	69	0.00	2	0.8	2072	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1040078	PASS
199	198	5	9	6.9	71653	PASS
365	198	1	100	4.4	46197	PASS
441	443	0.01	150	76.4	254485	PASS
442	198	0.10	200	163.2	1697451	PASS
443	442	15	24	19.6	332949	PASS

✓

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112012.D
 Acq On : 11 May 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 09:49:08 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

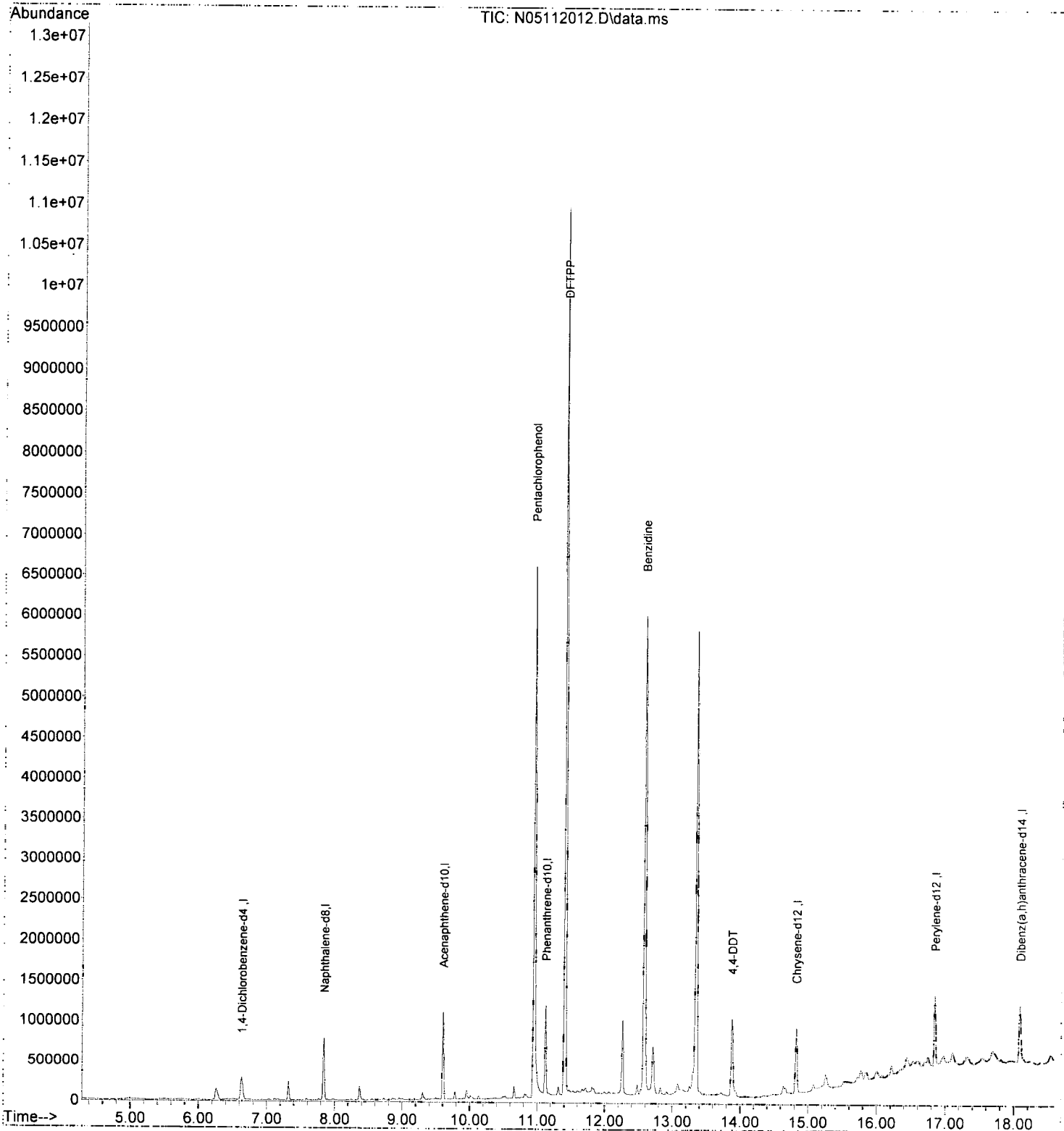
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.636	150	192796	2.00	ug/mL	0.01
2) Naphthalene-d8	7.842	136	567220	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.603	162	334089	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.124	188	623980	2.00	ug/mL	0.00
11) Chrysene-d12	14.825	240	566847	2.00	ug/mL	0.00
12) Perylene-d12	16.848	264	533072	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	18.089	292	508704	2.00	ug/mL	# 0.00

Target Compounds						
4) Pentachlorophenol	10.949	266	1669974	52.93	ug/mL	78
6) DFTPP	11.410	442	2948375	58.53	ug/mL#	58
7) Benzidine	12.587	184	4681150	21.09	ug/mL	96
8) 4,4-DDE	12.826	TIC	133663	No Calib		
9) 4,4-DDD	13.350	TIC	9530270	No Calib		
10) 4,4-DDT	13.881	TIC	1892082	2.96	ug/mL	94

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

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112012.D
 Acq On : 11 May 2020 02:28 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN1
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 09:49:08 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112014.D
 Acq On : 11 May 2020 03:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 09:50:42 2020
 Quant Method : R:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.630	150	139574	2.00	ug/mL	0.00
2) Naphthalene-d8	7.836	136	425728	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.603	162	248840	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.118	188	465220	2.00	ug/mL	0.00
11) Chrysene-d12	14.819	240	420102	2.00	ug/mL	0.00
12) Perylene-d12	16.848	264	420160	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	18.083	292	396346	2.00	ug/mL	#-0.01
Target Compounds						
4) Pentachlorophenol	10.943	266	1068652	45.48	ug/mL	Qvalue 79
6) DFTPP	11.404	442	2217768	59.05	ug/mL#	63
7) Benzidine	12.587	184	4536460	27.41	ug/mL	96
8) 4,4-DDE	12.826	TIC	242942	No Calib		
9) 4,4-DDD	13.345	TIC	2206449	No Calib		
10) 4,4-DDT	13.892	TIC	11793675	24.72	ug/mL	93

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

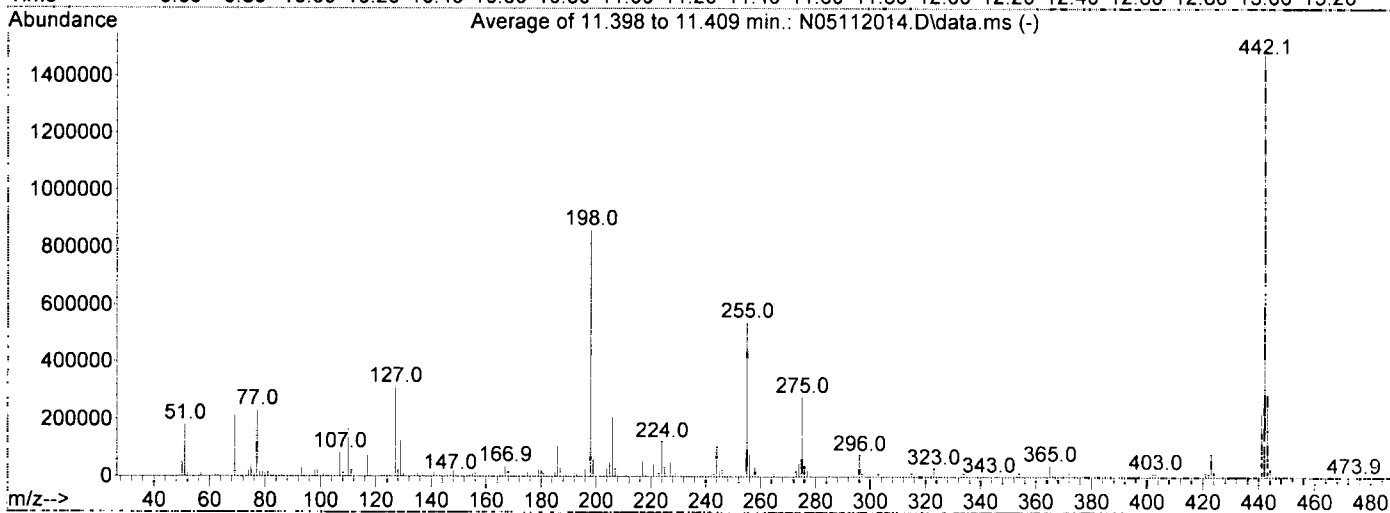
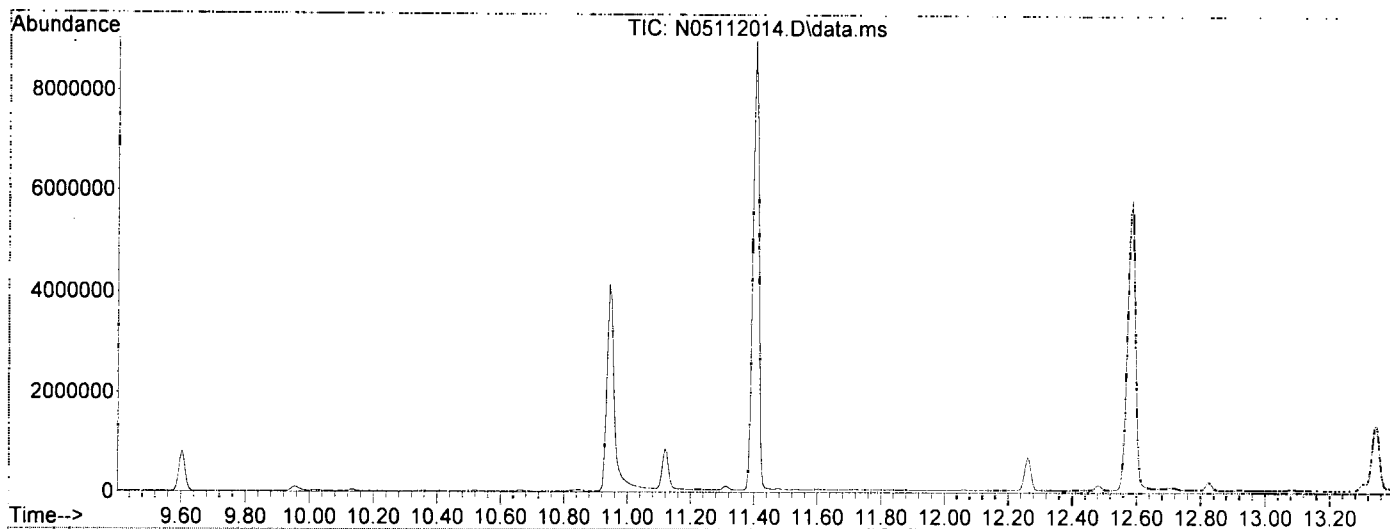
Data Path : R:\data\2020-05\0E11050\
 Data File : N05112014.D
 Acq On : 11 May 2020 03:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

jemc 5/12/20

Replaced liner

Integration File: rteint.p

Method : R:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Sun May 10 11:11:10 2020



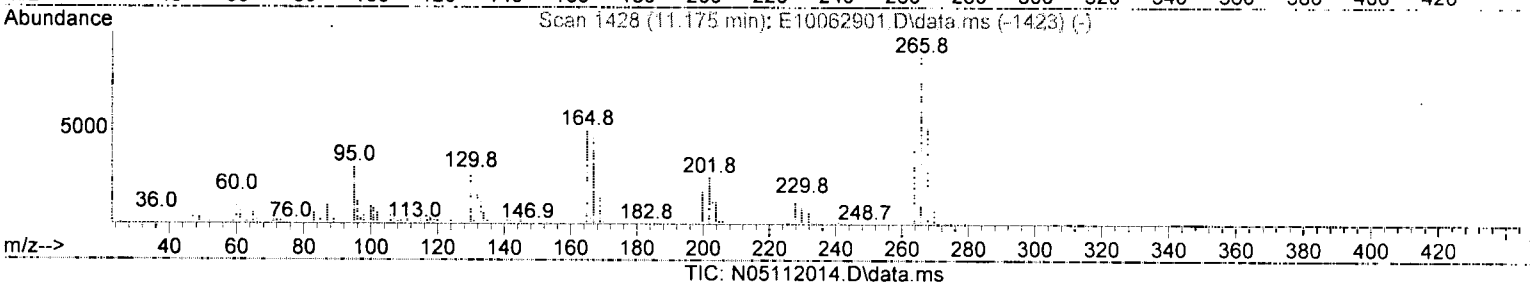
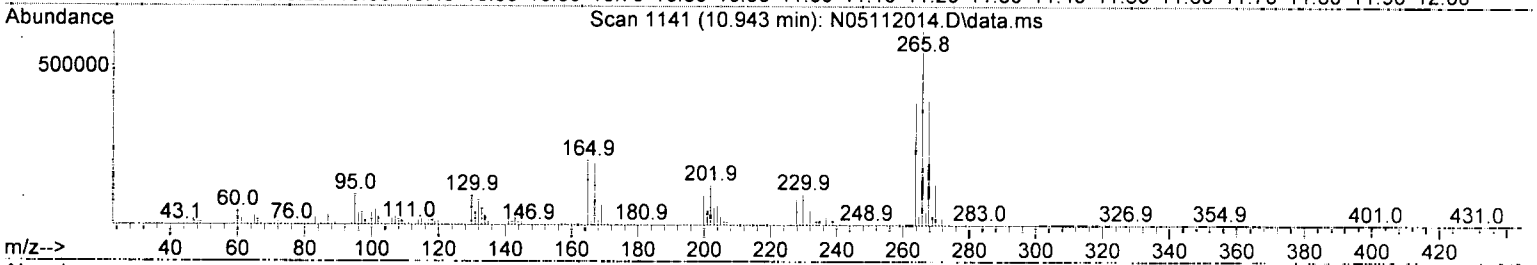
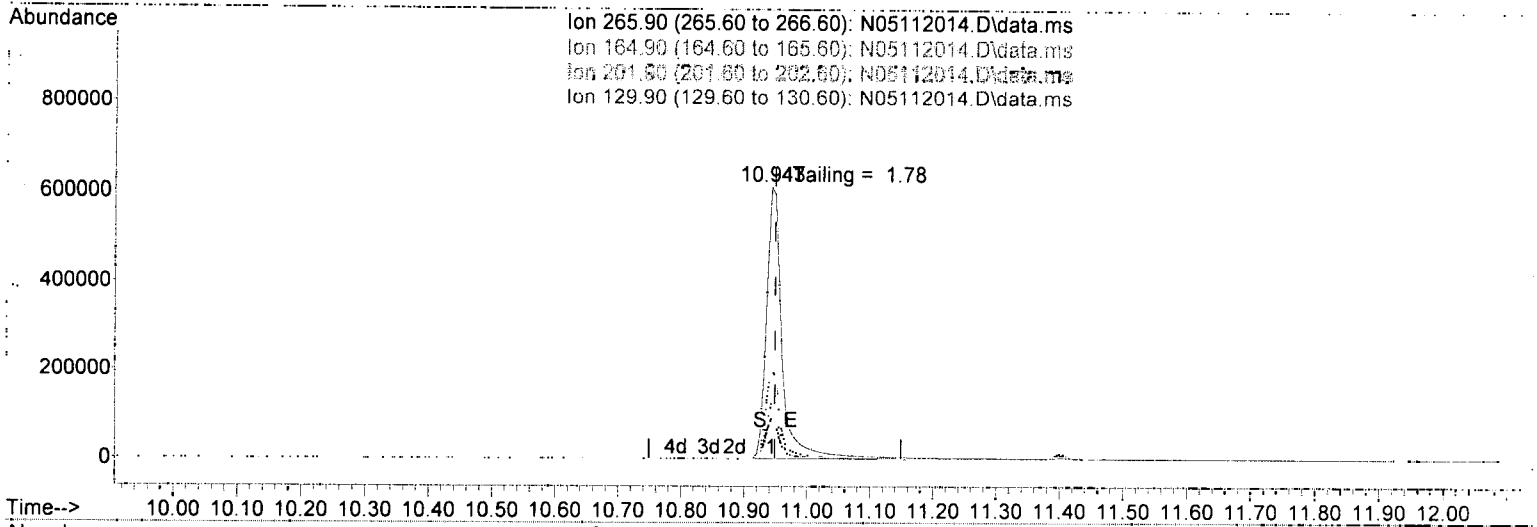
AutoFind: Scans 1219, 1220, 1221; Background Corrected with Scan 1213

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	3878	PASS
69	69	100	100	100.0	213386	PASS
70	69	0.00	2	0.5	1150	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	860751	PASS
199	198	5	9	6.8	58643	PASS
365	198	1	100	4.6	39856	PASS
441	443	0.01	150	77.8	222123	PASS
442	198	0.10	200	171.0	1472171	PASS
443	442	15	24	19.4	285504	PASS

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112014.D
 Acq On : 11 May 2020 03:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 16:39:58 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



(4) Pentachlorophenol

10.943min (-0.006) 45.48 ug/mL

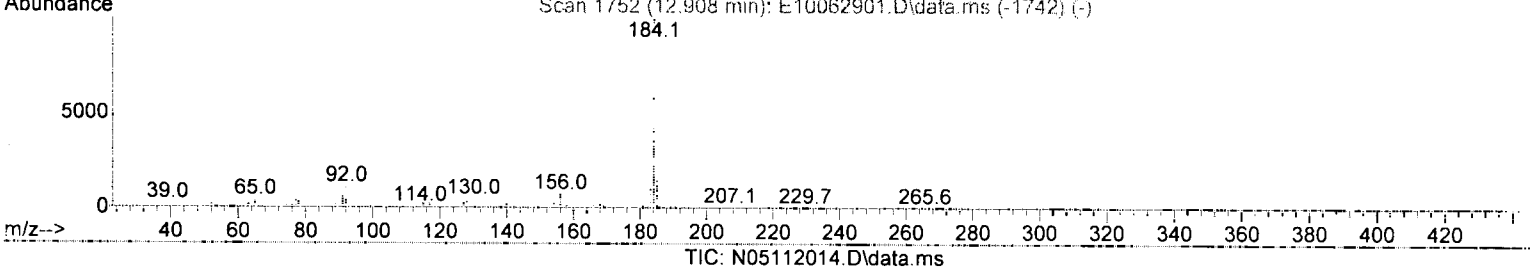
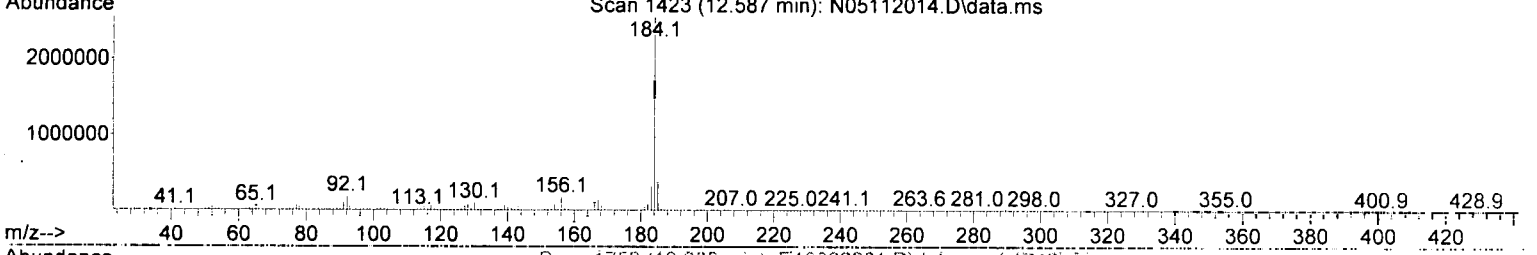
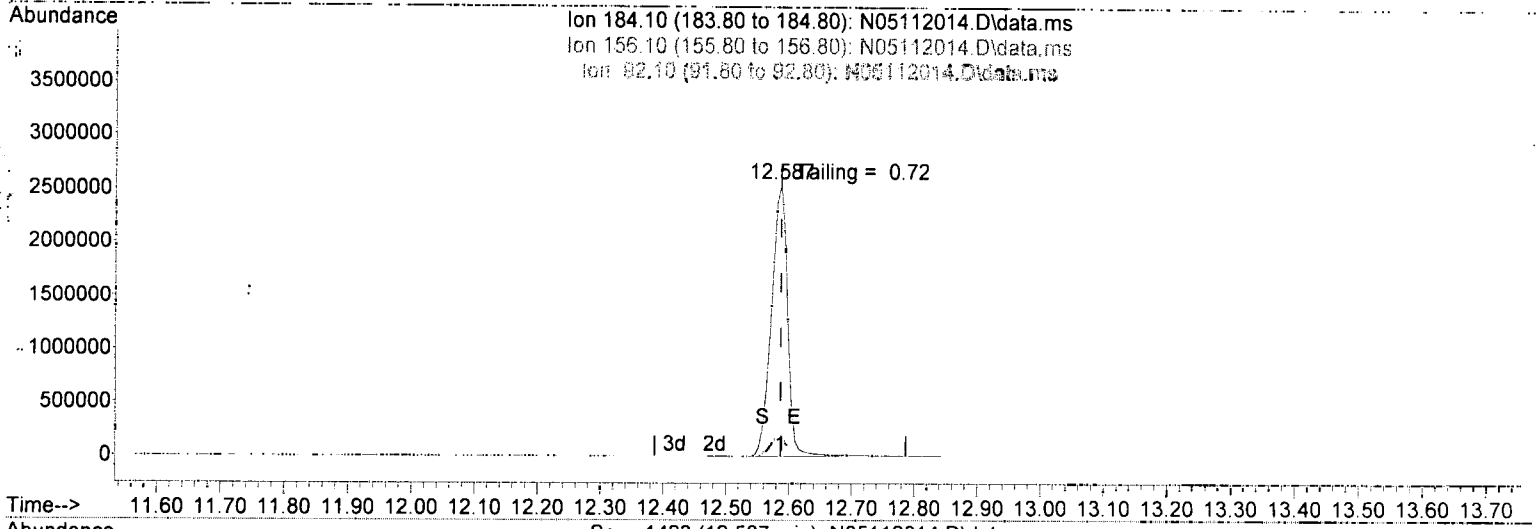
response 1068652

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	33.25
201.90	25.80	20.42
129.90	27.30	15.04

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112014.D
 Acq On : 11 May 2020 03:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-TUN2
 Misc : 1x, A20D411 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 16:39:58 2020
 Quant Method : M:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Sun May 10 11:11:10 2020
 Response via : Initial Calibration



(7) Benzidine

12.587min (+ 0.000) 27.41 ug/mL

response 4536460

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.76
92.10	8.20	7.06
0.00	0.00	0.00

J

DDT Breakdown Check (Validated 5/1/2013)

From:

0E11050-TUN2

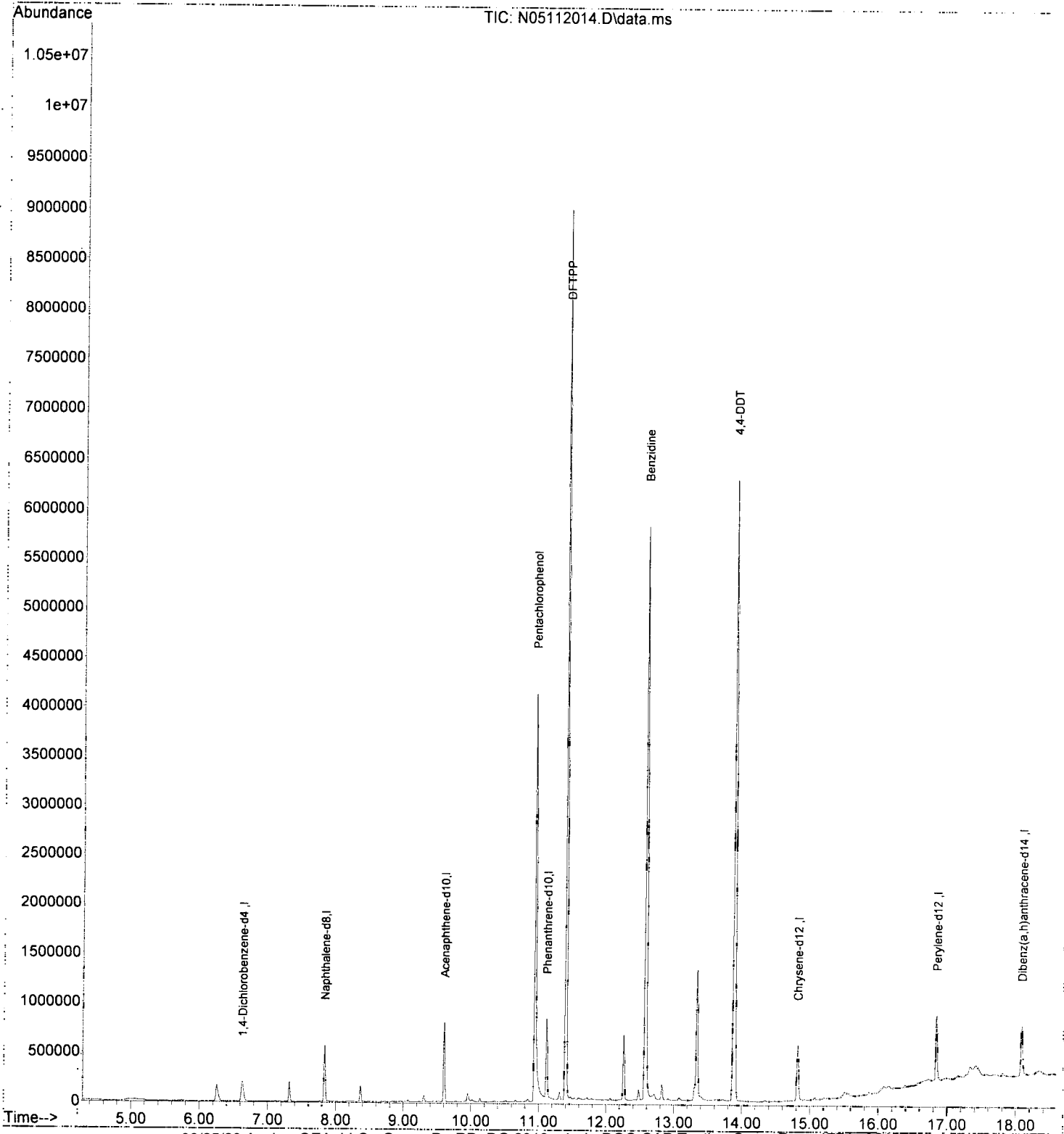
SV-GCMS \M

First Column Area Counts	Percent Breakdown
DDE 242942	
DDD 2206449	
DDT 11793675	17.2 PASS

Breakdown must be less than 20% to accept sample data.

Data Path : R:\data\2020-05\0E11050\
Data File : N05112014.D
Acq On : 11 May 2020 03:39 pm
Operator : JK/ AMS/ DTH
Sample : 0E11050-TUN2
Misc : 1x, A20D411 DFTPP @ 45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 12 09:50:42 2020
Quant Method : R:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Sun May 10 11:11:10 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112015.D
 Acq On : 11 May 2020 04:06 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

RM 5/12/20

Quant Time: May 11 16:42:55 2020
 Quant Method : M:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 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	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	82	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	43.289	13.4	74	0.00
3 T	Decalin	50.000	34.619	30.8#	61	0.00
4 T	Naphthalene	50.000	47.417	5.2	80	0.00
5 T	2-Methylnaphthalene	50.000	55.119	-10.2	90	0.00
6 T	1-Methylnaphthalene	50.000	53.507	-7.0	87	0.00
7 T	1,1'-Biphenyl	50.000	54.379	-8.8	90	0.00
8 T	2,6-Dimethylnaphthalene	50.000	59.576	-19.2	98	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	95	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	49.799	0.4	94	0.00
11 T	Acenaphthylene	50.000	50.563	-1.1	92	0.00
12 T	Acenaphthene	50.000	49.197	1.6	93	0.00
13 T	Dibenzofuran	50.000	49.841	0.3	95	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	53.610	-7.2	103	0.00
15 T	Fluorene	50.000	51.604	-3.2	100	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	95	0.00
17 T	Dibenzothiopene	50.000	49.962	0.1	94	0.00
18 T	Phenanthrene	50.000	46.864	6.3	91	0.00
19 T	Anthracene	50.000	53.010	-6.0	100	0.00
20 T	Carbazole	50.000	48.623	2.8	88	0.01
21 T	1-Methylphenanthrene	50.000	51.351	-2.7	95	0.00
22 T	Fluoranthene	50.000	49.466	1.1	93	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	78	0.02
24 T	Pyrene	50.000	54.879	-9.8	90	0.01
25 S	Terphenyl-d14 (Surr)	50.000	55.251	-10.5	86	0.00
26 T	Benz(a)anthracene	50.000	51.547	-3.1	84	0.02
27 T	Chrysene	50.000	47.724	4.6	75	0.02
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	77	0.03
29 T	Benzo(b)fluoranthene	50.000	53.290	-6.6	85	0.02
30 T	Benzo(k)fluoranthene	50.000	52.689	-5.4	81	0.02
31 T	Benzo(b+k)fluoranthene	100.000	104.589	-4.6	82	-0.04
32 T	Benzo(e)pyrene	50.000	49.397	1.2	79	0.02
33 T	Benzo(a)pyrene	50.000	57.669	-15.3	84	0.03
34 T	Perylene	50.000	51.727	-3.5	74	0.03
35 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	85	0.03
36 T	Indeno(1,2,3-cd)Pyrene	50.000	50.697	-1.4	87	0.03
37 T	Dibenz(a,h)anthracene	50.000	51.401	-2.8	87	0.03
38 T	Benzo(g,h,i)perylene	50.000	48.761	2.5	81	0.04

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112015.D
 Acq On : 11 May 2020 04:06 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 09:52:25 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

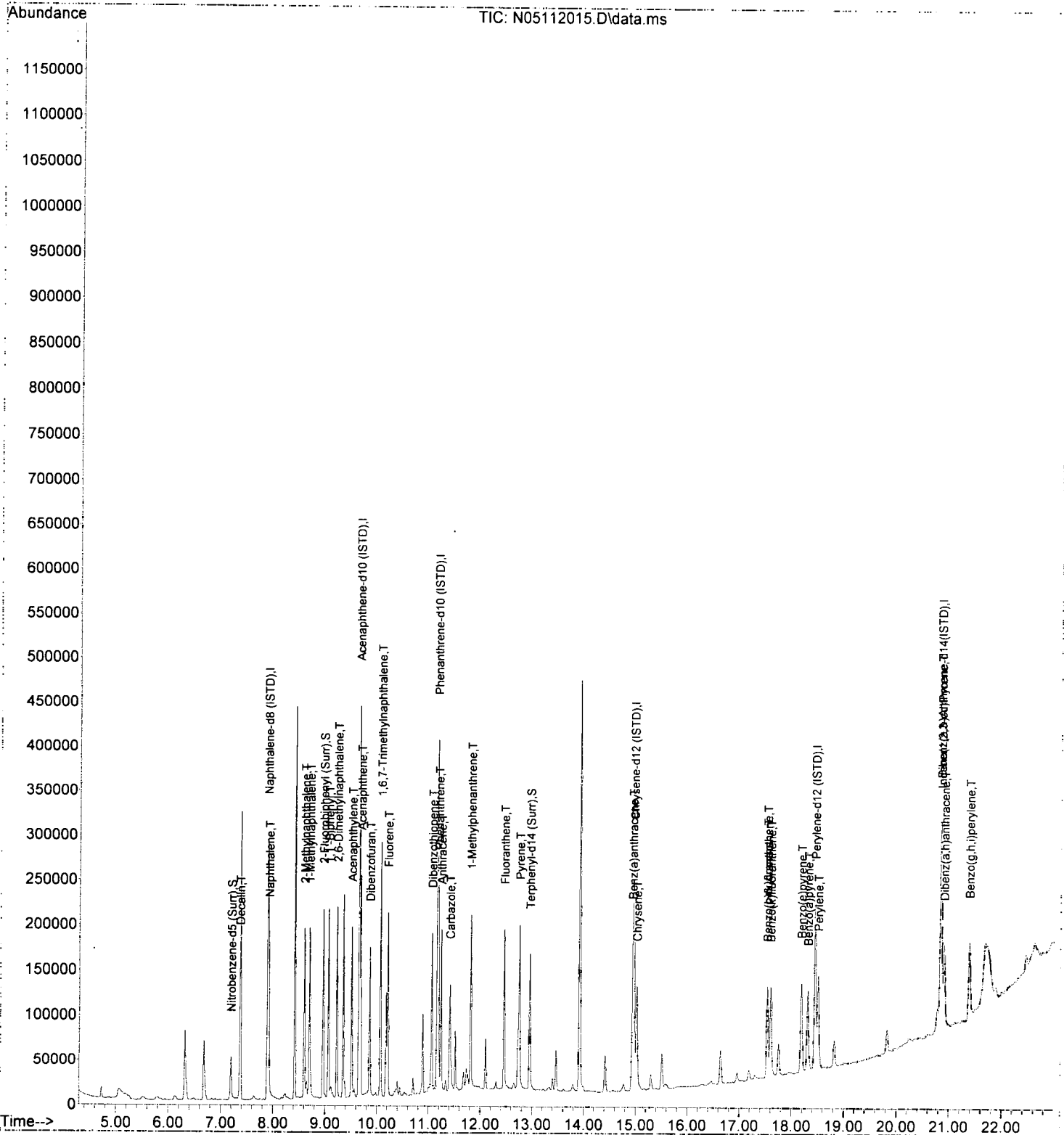
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	217663	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.655	162	138626	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	230279	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.965	240	186770	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.450	264	180072	100.00	ng/ml	0.03	
35) Dibenz(a,h)Anthracene-d...	20.840	292	161427	100.00	ng/ml	0.03	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	29435	43.29	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.961	172	106878	49.80	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	99706	55.25	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	6025	34.62	ng/ml		81
4) Naphthalene	7.918	128	112414	47.42	ng/ml		99
5) 2-Methylnaphthalene	8.600	142	87740	55.12	ng/ml		97
6) 1-Methylnaphthalene	8.699	142	84570	53.51	ng/ml		97
7) 1,1'-Biphenyl	9.066	154	109105	54.38	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.229	156	82001	59.58	ng/ml		96
11) Acenaphthylene	9.509	152	130702	50.56	ng/ml		99
12) Acenaphthene	9.684	153	93289	49.20	ng/ml		100
13) Dibenzofuran	9.859	168	114392	49.84	ng/ml		94
14) 1,6,7-Trimethylnaphtha...	10.069	170	79658	53.61	ng/ml		98
15) Fluorene	10.209	166	94086	51.60	ng/ml		99
17) Dibenzothiopene	11.060	184	116268	49.96	ng/ml		93
18) Phenanthrene	11.188	178	124218	46.86	ng/ml		99
19) Anthracene	11.240	178	115073	53.01	ng/ml		99
20) Carbazole	11.409	167	91124	48.62	ng/ml		98
21) 1-Methylphenanthrene	11.812	192	91786	51.35	ng/ml		98
22) Fluoranthene	12.459	202	129223	49.47	ng/ml		95
24) Pyrene	12.756	202	132945	54.88	ng/ml		99
26) Benz(a)anthracene	14.942	228	99840	51.55	ng/ml		100
27) Chrysene	15.023	228	95068	47.72	ng/ml		99
29) Benzo(b)fluoranthene	17.535	252	99201	53.29	ng/ml		91
30) Benzo(k)fluoranthene	17.599	252	97778	52.69	ng/ml		91
31) Benzo(b+k)fluoranthene	17.535	252	204733	104.59	ng/ml		90
32) Benzo(e)pyrene	18.188	252	96150	49.40	ng/ml		98
33) Benzo(a)pyrene	18.310	252	86252	57.67	ng/ml		95
34) Perylene	18.509	252	103675	51.73	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.846	276	88899	50.70	ng/ml		75
37) Dibenz(a,h)anthracene	20.904	278	90888	51.40	ng/ml		80
38) Benzo(g,h,i)perylene	21.388	276	91722	48.76	ng/ml		75

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112015.D
 Acq On : 11 May 2020 04:06 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-CCV1
 Misc : 1x, A20C472@50
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 12 09:52:25 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112016.D
 Acq On : 11 May 2020 04:39 pm
 Operator : JK/ AMS/ DTH
 Sample : 0E11050-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1

Paul 5/12/20

Quant Time: May 12 09:53:31 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

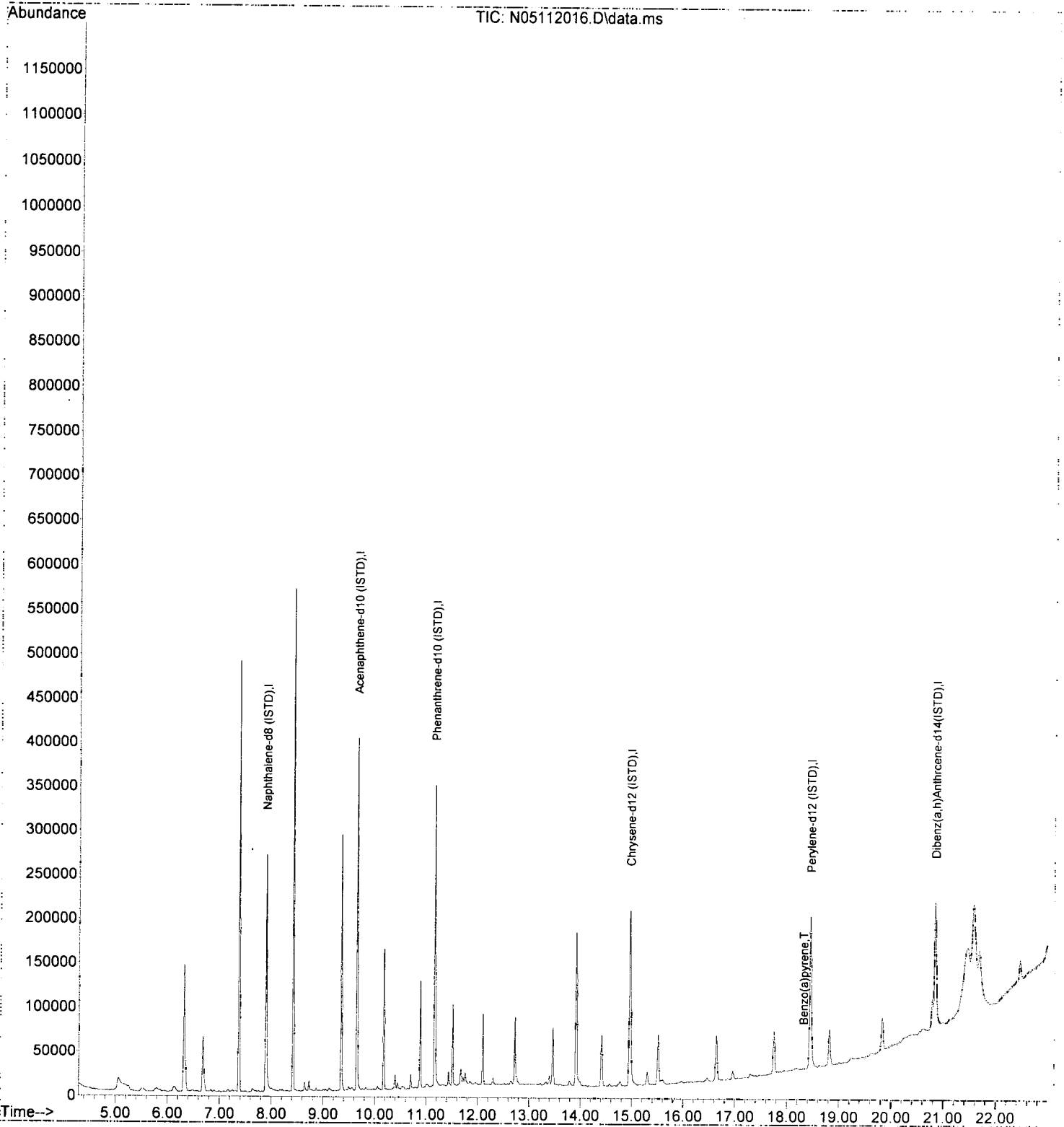
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	215732	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.655	162	131402	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	208877	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.965	240	172756	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.451	264	168430	100.00	ng/ml	0.03
35) Dibenz(a,h)Anthracene-d...	20.840	292	152168	100.00	ng/ml	0.04
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.166	82	58	0.09	ng/ml	-0.03
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
25) Terphenyl-d14 (Surr)	12.954	244	92	0.06	ng/ml	0.00
Target Compounds						
						Qvalue
3) Decalin	0.000		0		N.D.	
4) Naphthalene	7.924	128	493		N.D.	
5) 2-Methylnaphthalene	8.606	142	145		N.D.	
6) 1-Methylnaphthalene	8.705	142	179		N.D.	
7) 1,1'-Biphenyl	9.066	154	206		N.D.	
8) 2,6-Dimethylnaphthalene	9.224	156	89		N.D.	
11) Acenaphthylene	9.509	152	184		N.D.	
12) Acenaphthene	0.000		0		N.D.	
13) Dibenzofuran	9.865	168	81		N.D.	
14) 1,6,7-Trimethylnaphtha...	0.000		0		N.D.	
15) Fluorene	10.209	166	144		N.D.	
17) Dibenzothiopene	11.060	184	101		N.D.	
18) Phenanthrene	11.182	178	249		N.D.	
19) Anthracene	11.240	178	205		N.D.	
20) Carbazole	11.439	167	461		N.D.	
21) 1-Methylphenanthrene	11.812	192	156		N.D.	
22) Fluoranthene	12.464	202	283		N.D.	
24) Pyrene	12.756	202	206		N.D.	
26) Benz(a)anthracene	14.965	228	527		N.D.	
27) Chrysene	15.017	228	92		N.D.	
29) Benzo(b)fluoranthene	17.547	252	145		N.D.	
30) Benzo(k)fluoranthene	17.547	252	348		N.D.	
31) Benzo(b+k)fluoranthene	17.547	252	348		N.D.	
32) Benzo(e)pyrene	18.182	252	185		N.D.	
33) Benzo(a)pyrene	18.316	252	232	0.48	ng/ml#	1
34) Perylene	18.509	252	240		N.D.	
36) Indeno(1,2,3-cd)Pyrene	20.840	276	342		N.D.	
37) Dibenz(a,h)anthracene	20.916	278	96		N.D.	
38) Benzo(g,h,i)perylene	21.376	276	269		N.D.	

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

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
Data File : N05112016.D
Acq On : 11 May 2020 04:39 pm
Operator : JK/ AMS/ DTH
Sample : 0E11050-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 12 09:53:31 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Run 5712120

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.895	136	239507	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.649	162	153930	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.159	188	268824	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.959	240	218192	100.00	ng/ml	0.02	
28) Perylene-d12 (ISTD)	18.445	264	209041	100.00	ng/ml	0.02	
35) Dibenz(a,h)Anthracene-d...	20.829	292	175530	100.00	ng/ml	0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.196	82	10086	13.48	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.962	172	36137	15.16	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.948	244	37166	17.63	ng/ml	0.00	
Target Compounds							
3) Decalin	7.318	138	71	N.D.			
4) Naphthalene	7.912	128	169260	64.88	ng/ml	100	
5) 2-Methylnaphthalene	8.600	142	16767	9.57	ng/ml	95	
6) 1-Methylnaphthalene	8.699	142	9808	5.64	ng/ml	96	
7) 1,1'-Biphenyl	9.061	154	5613	2.54	ng/ml	95	
8) 2,6-Dimethylnaphthalene	9.230	156	9143	6.04	ng/ml	99	
11) Acenaphthylene	9.509	152	7644	2.66	ng/ml	90	
12) Acenaphthene	9.684	153	109236	51.88	ng/ml	99	
13) Dibenzofuran	9.859	168	7435	2.92	ng/ml	93	
14) 1,6,7-Trimethylnaphtha...	10.069	170	1989	1.21	ng/ml	98	
15) Fluorene	10.203	166	38402	18.97	ng/ml	99	
17) Dibenzothiopene	11.054	184	29549	10.88	ng/ml	96	
18) Phenanthrene	11.182	178	241962	78.20	ng/ml	99	
19) Anthracene	11.235	178	30147	11.90	ng/ml	99	
20) Carbazole	11.404	167	20783	9.50	ng/ml	99	
21) 1-Methylphenanthrene	11.812	192	3985	1.91	ng/ml	92	
22) Fluoranthene	12.459	202	83267	27.30	ng/ml	95	
24) Pyrene	12.750	202	102545	36.23	ng/ml	99	
26) Benz(a)anthracene	14.936	228	10691	4.72	ng/ml#	51	
27) Chrysene	15.018	228	14371	6.18	ng/ml	96	
29) Benzo(b)fluoranthene	17.535	252	15181	7.02	ng/ml	91	
30) Benzo(k)fluoranthene	17.535	252	17692	8.21	ng/ml	89	
31) Benzo(b+k)fluoranthene	17.535	252	21664	9.53	ng/ml	89	
32) Benzo(e)pyrene	18.182	252	11012	4.87	ng/ml	84	
33) Benzo(a)pyrene	18.299	252	14883	9.03	ng/ml	94	
34) Perylene	18.503	252	161328	69.34	ng/ml	100	
36) Indeno(1,2,3-cd)Pyrene	20.840	276	11240	5.89	ng/ml	85	
37) Dibenz(a,h)anthracene	20.893	278	1132	0.59	ng/ml	67	
38) Benzo(g,h,i)perylene	21.377	276	14026	6.86	ng/ml	85	

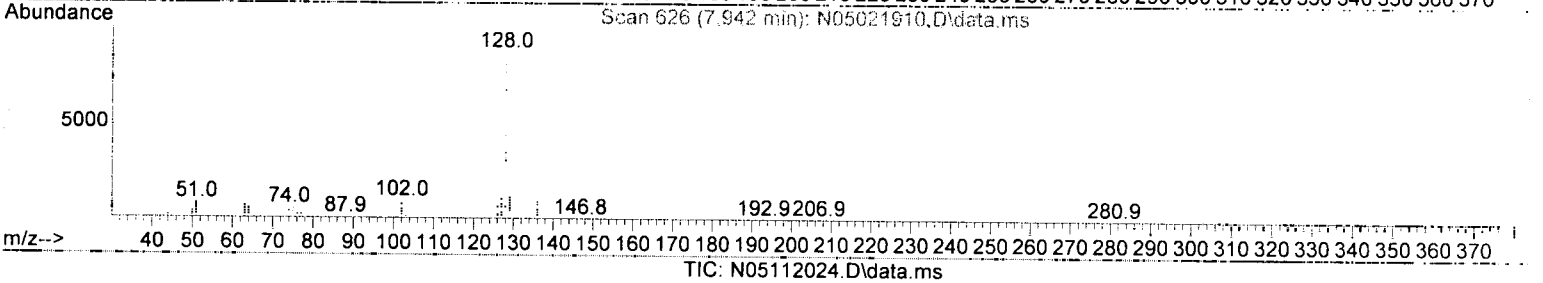
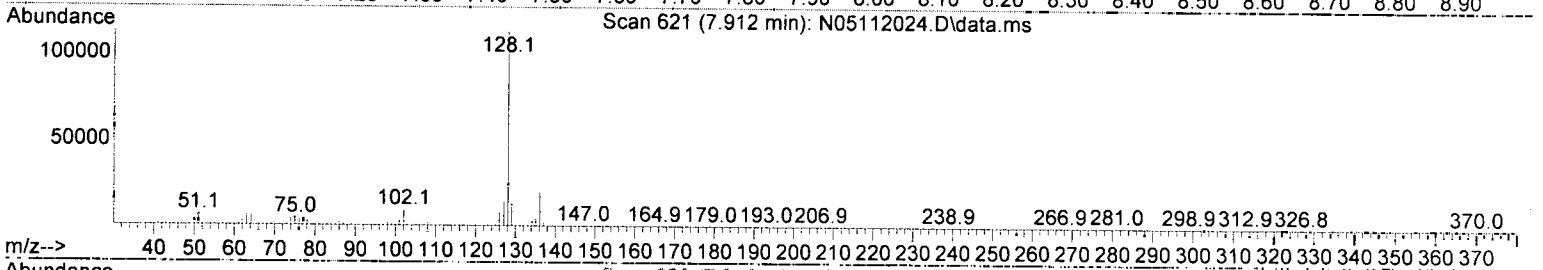
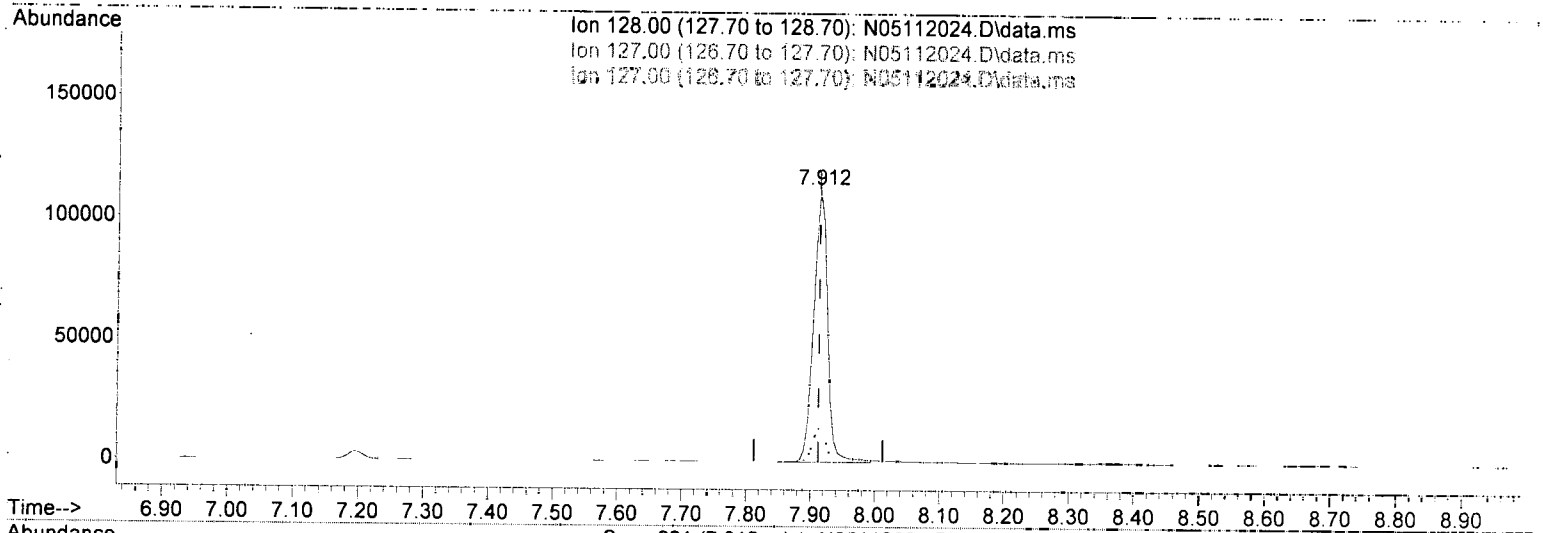
MC - J ND - Run 5712120

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.912min (+ 0.000) 64.88 ng/ml

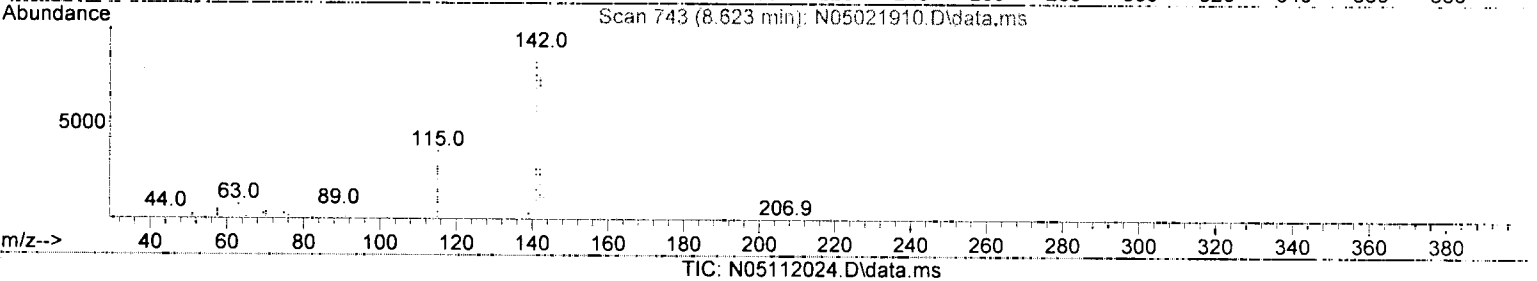
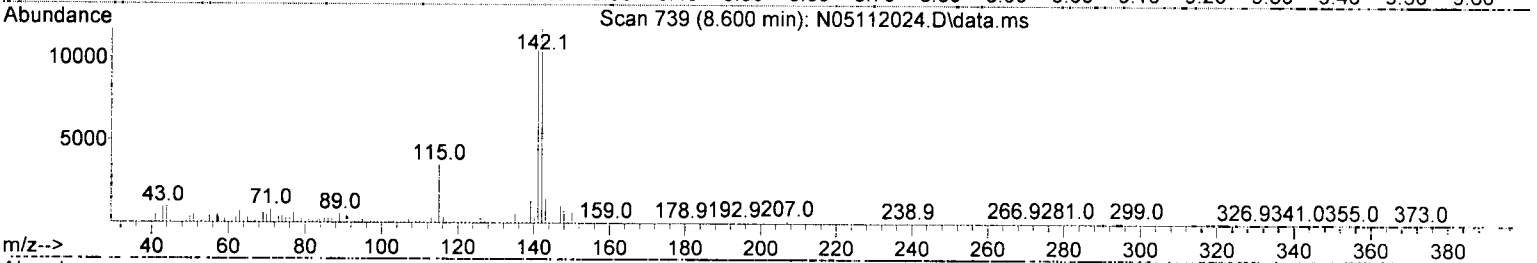
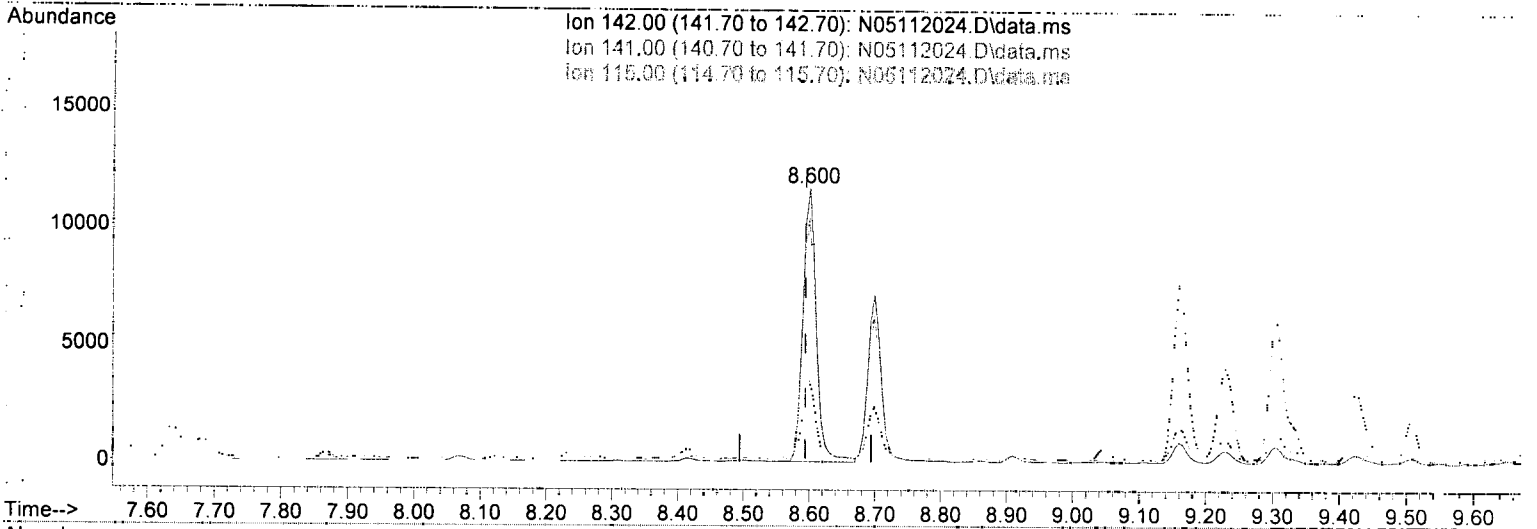
response 169260

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.71
127.00	12.60	12.71
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.600min (+ 0.006) 9.57 ng/ml

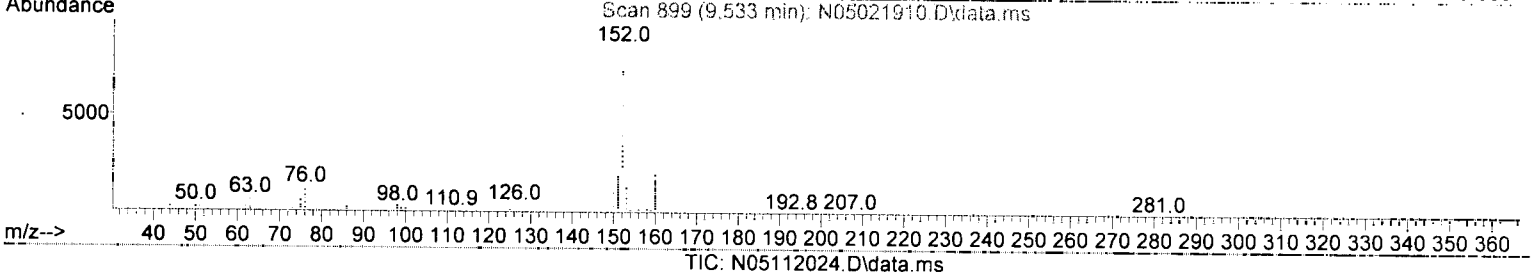
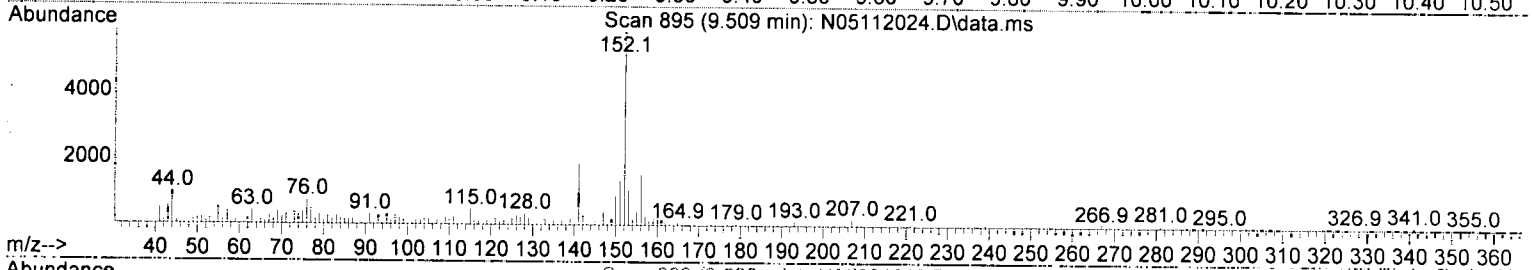
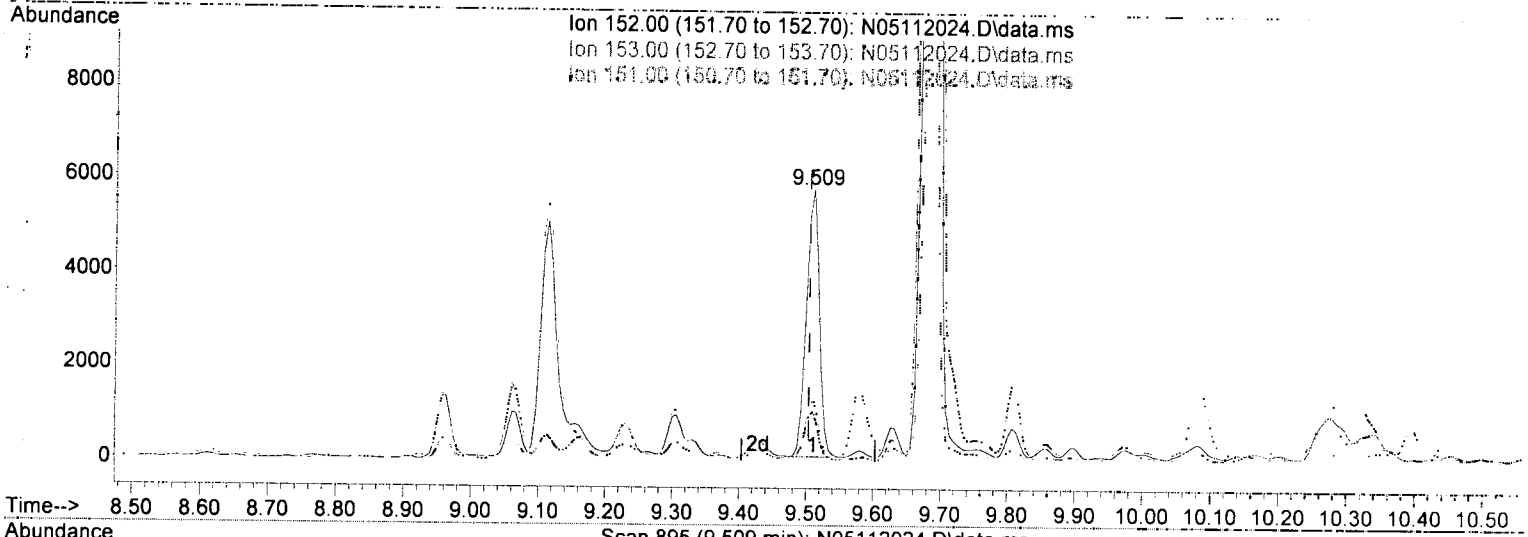
response 16767

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	89.75
115.00	35.70	30.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(11) Acenaphthylene (T)

9.509min (+ 0.006) 2.66 ng/ml

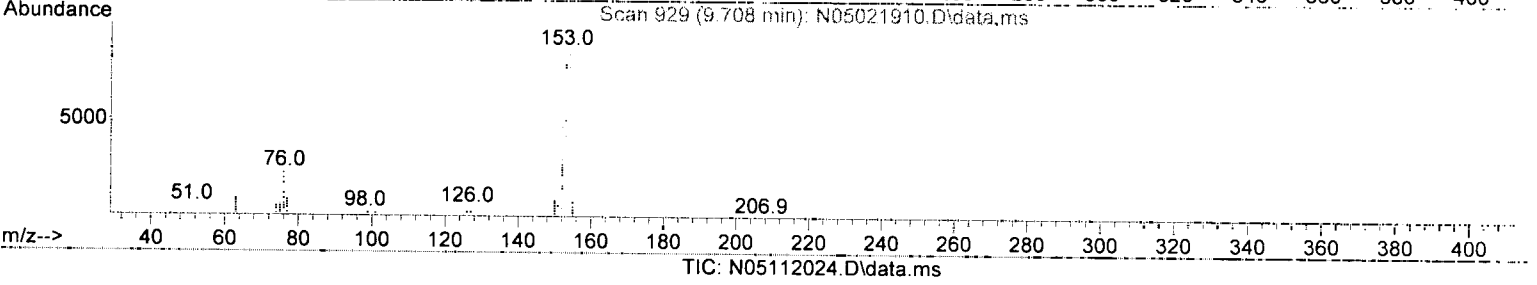
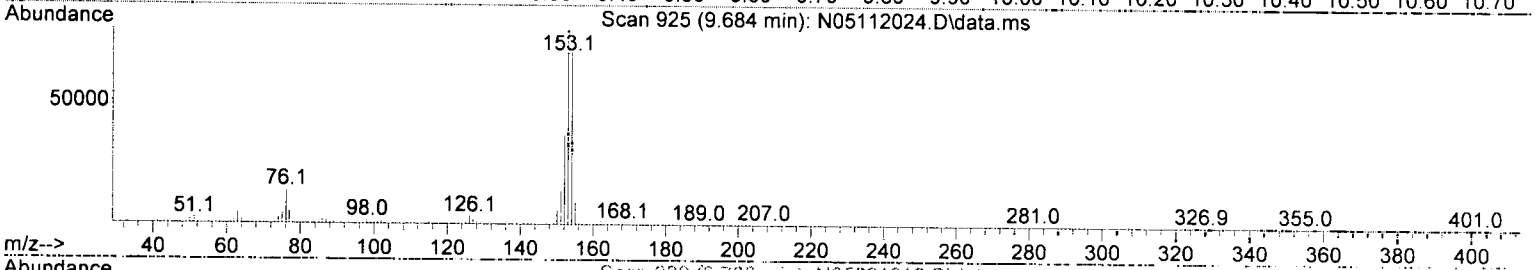
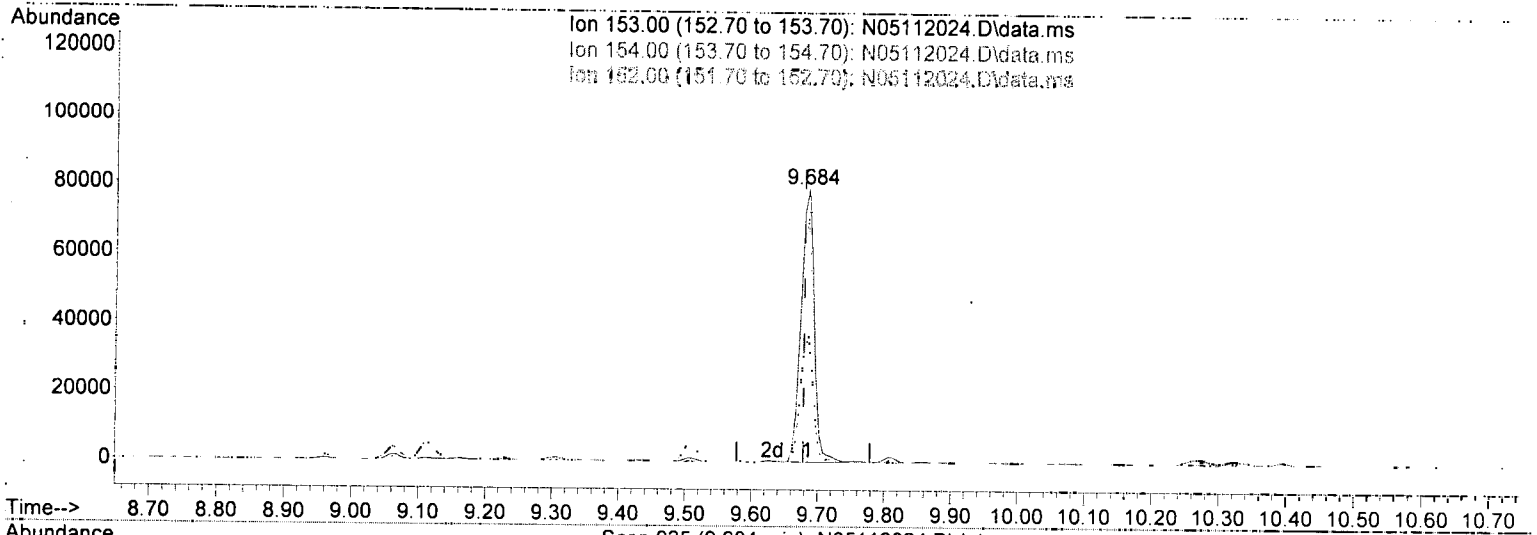
response 7644

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	18.30
151.00	19.30	22.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05112024.D\data.ms

(12) Acenaphthene (T)

9.684min (+ 0.006) 51.88 ng/ml

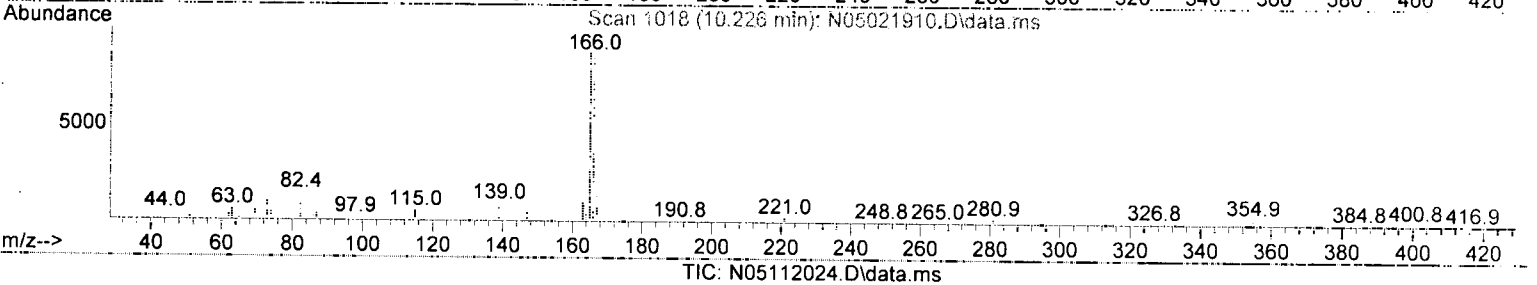
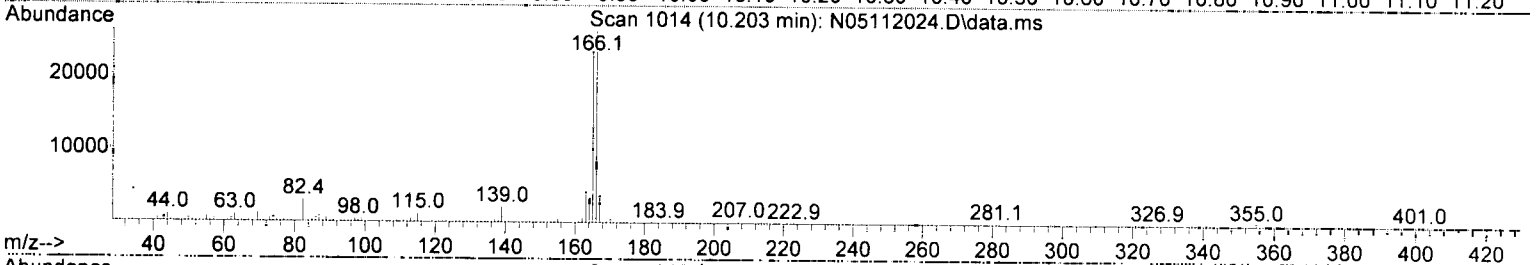
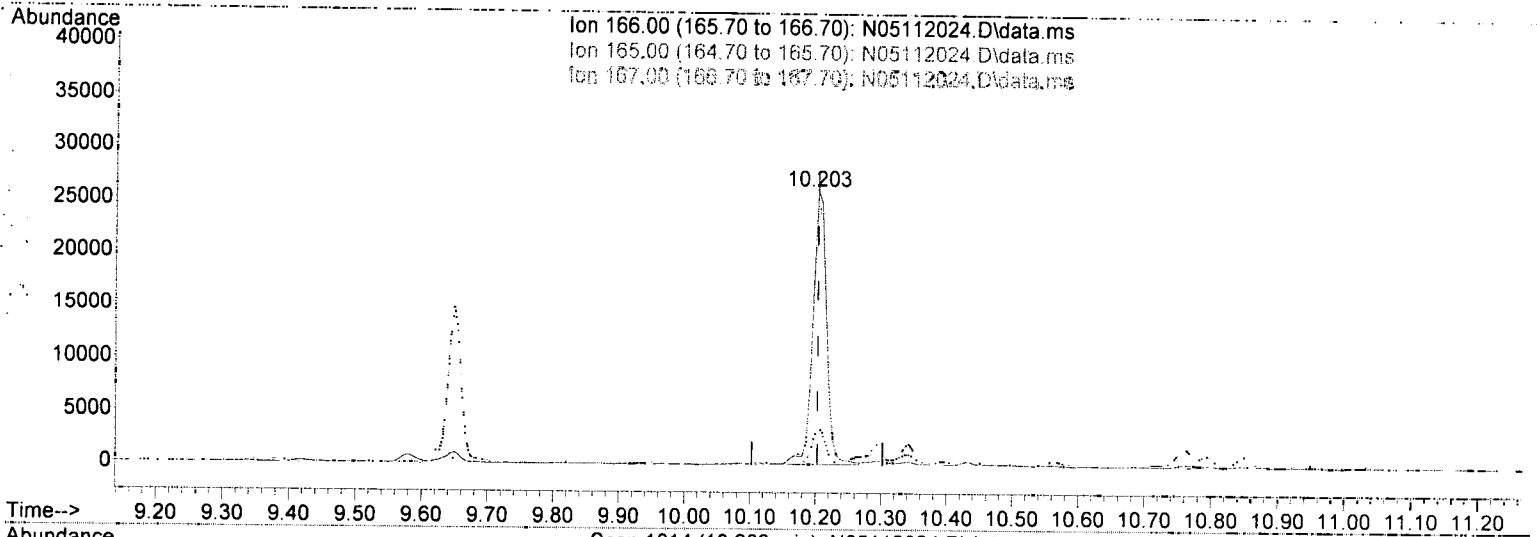
response 109236

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	89.34
152.00	46.80	46.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.203min (+ 0.000) 18.97 ng/ml

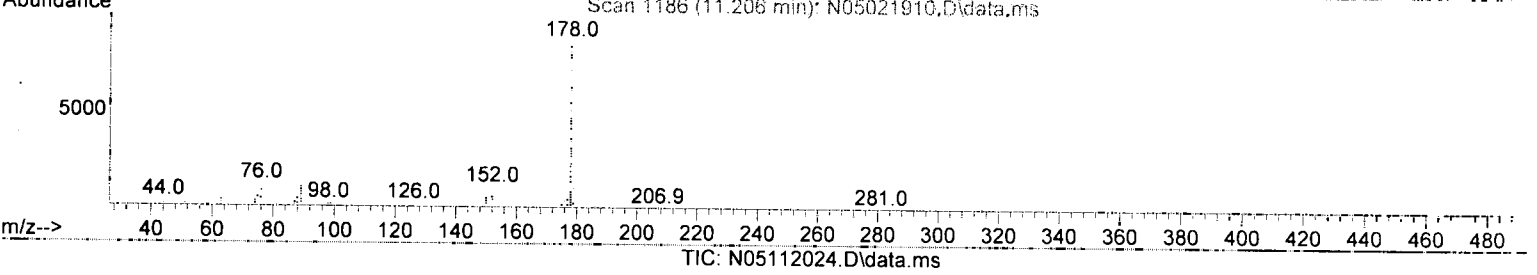
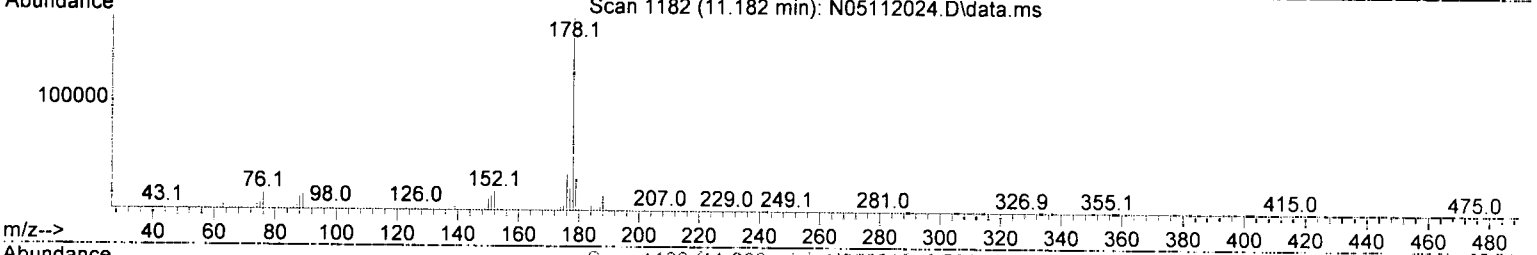
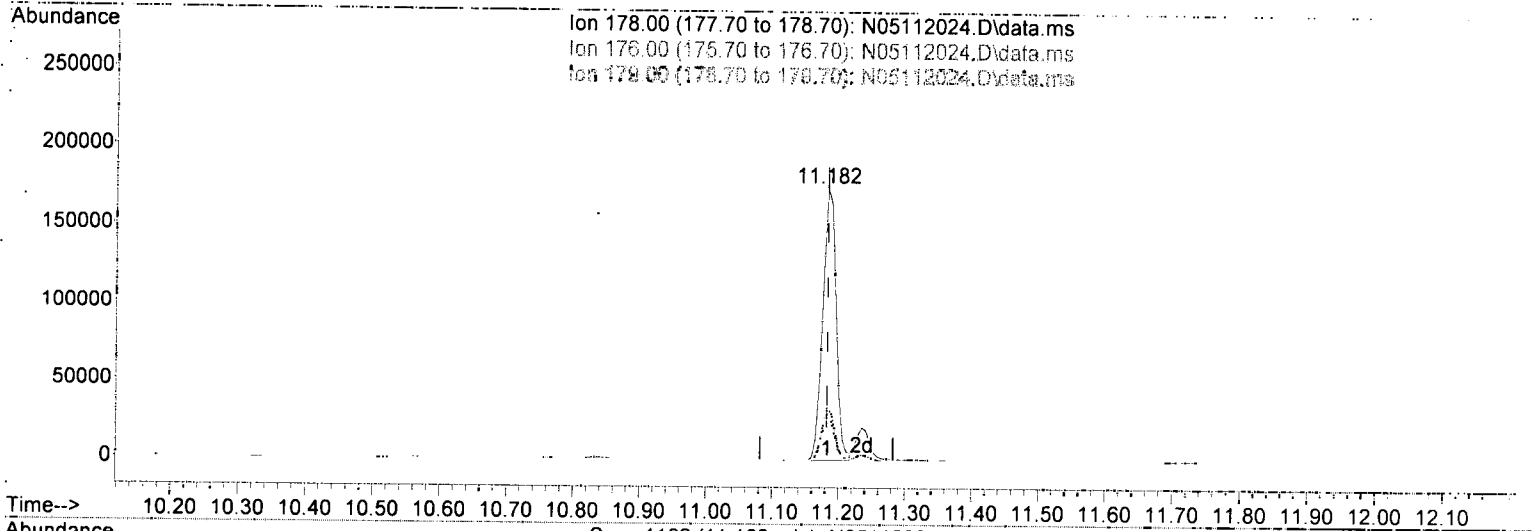
response 38402

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.13
167.00	13.60	13.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.182min (+ 0.000) 78.20 ng/ml

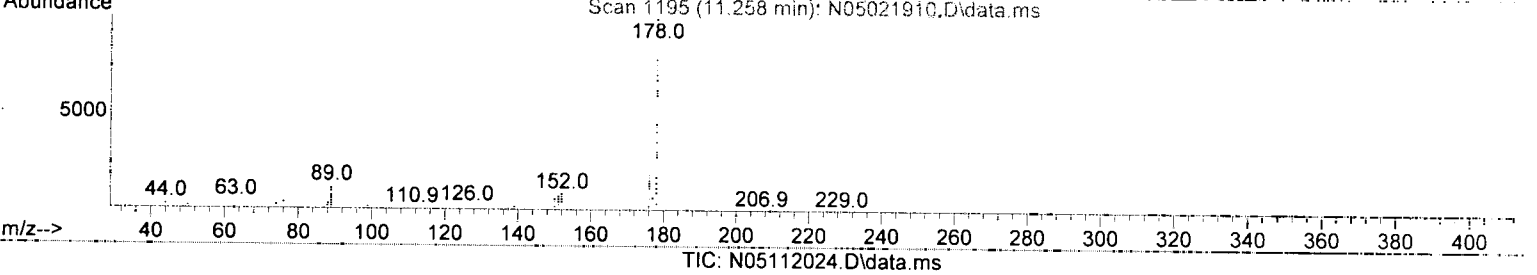
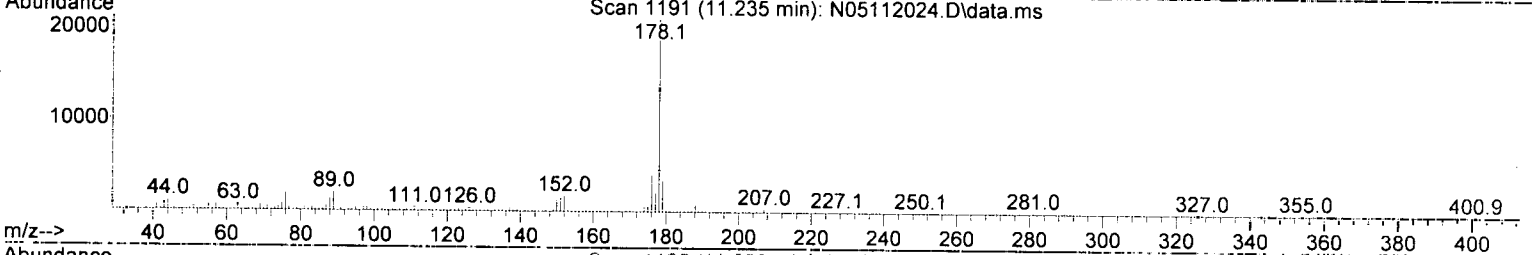
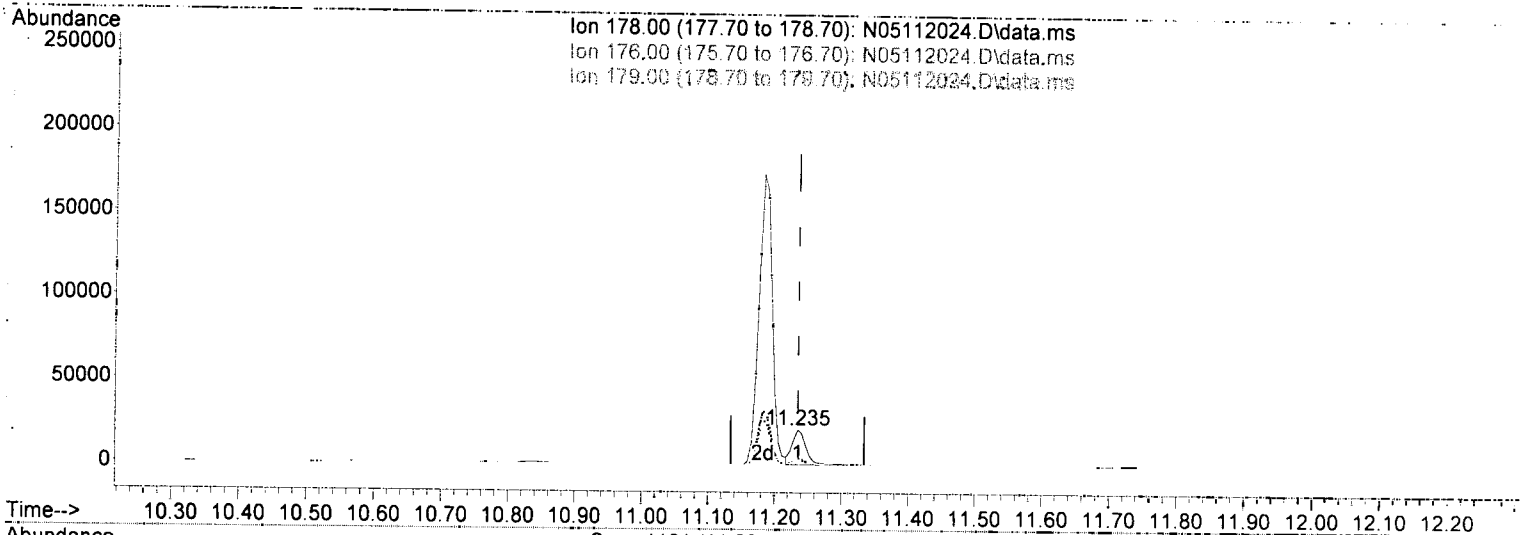
response 241962

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.70
179.00	15.10	15.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.235min (+ 0.000) 11.90 ng/ml

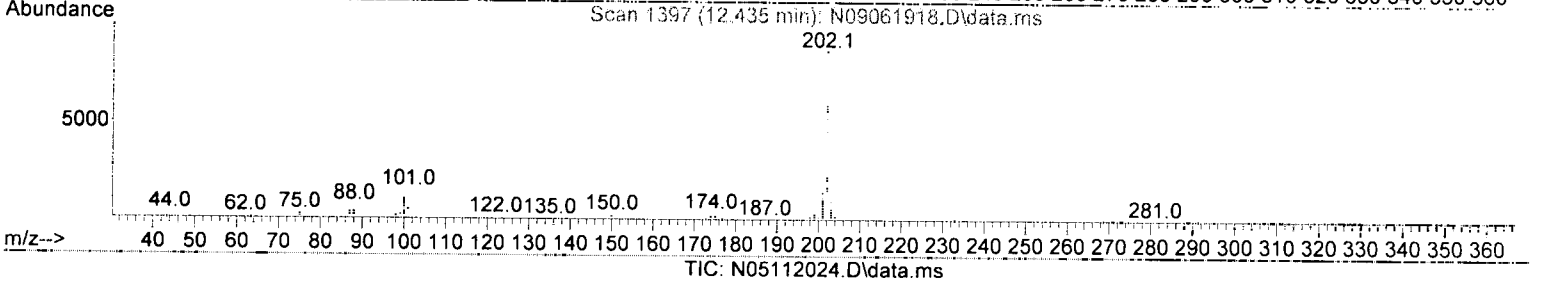
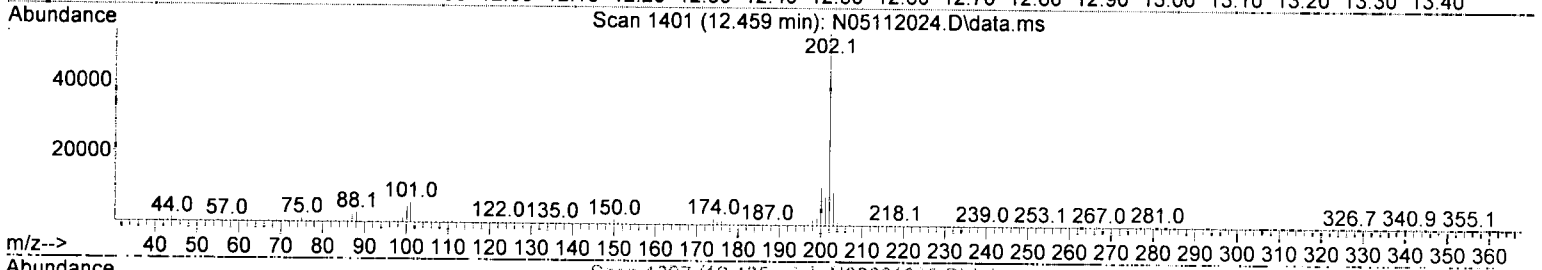
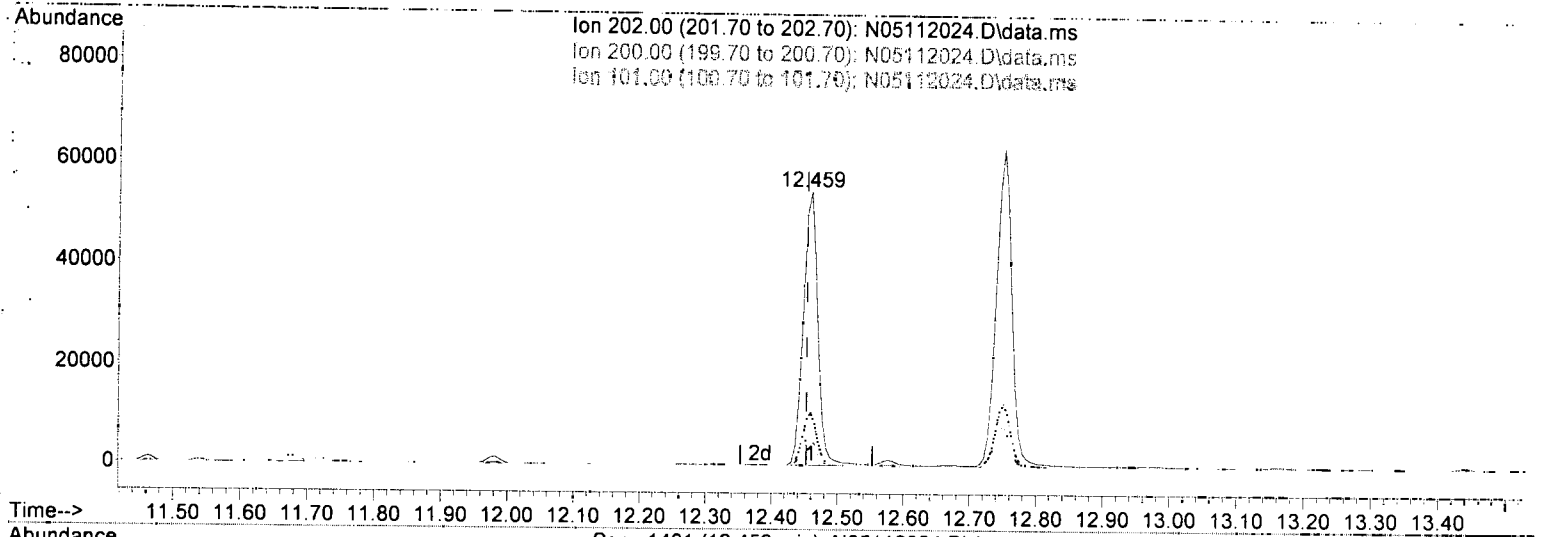
response 30147

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	19.07
179.00	15.30	16.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.459min (+ 0.006) 27.30 ng/ml

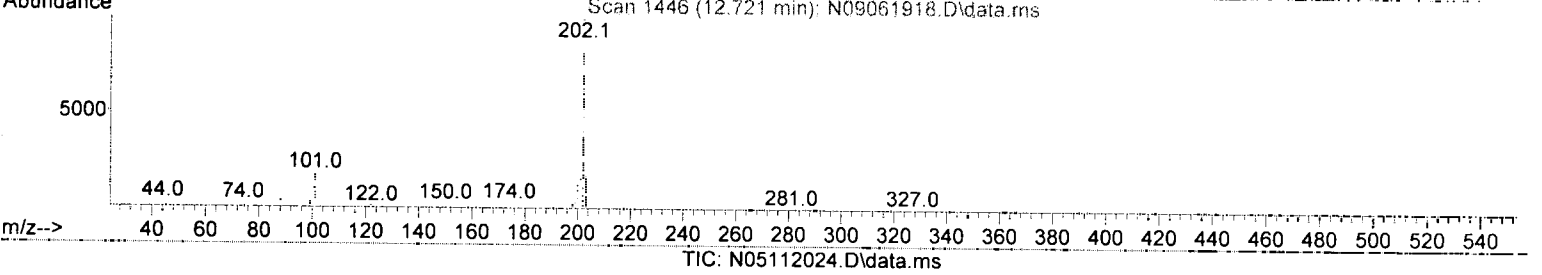
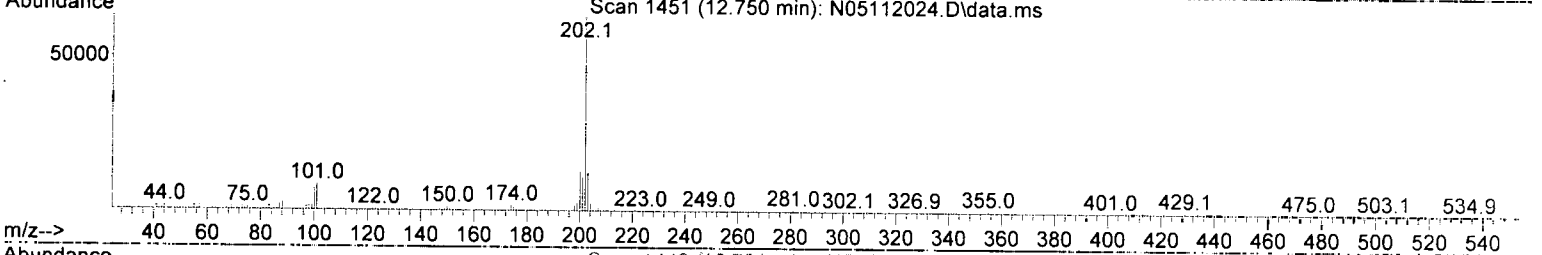
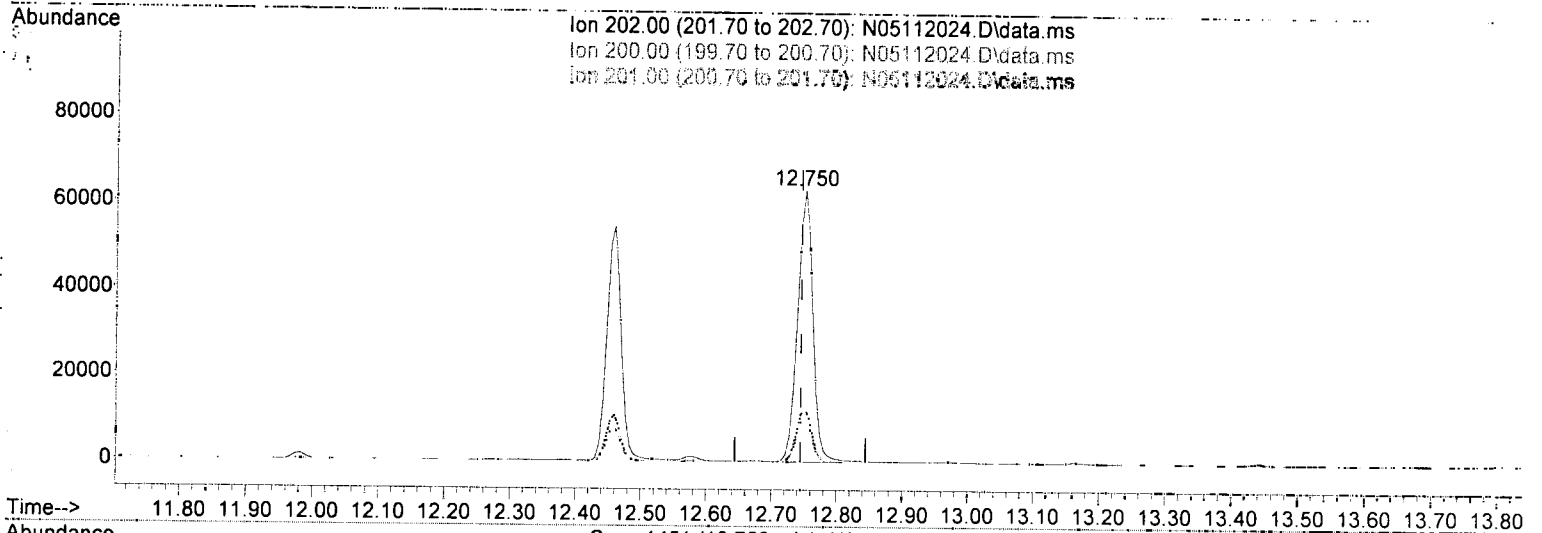
response 83267

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.59
101.00	15.30	10.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.750min (+ 0.006) 36.23 ng/ml

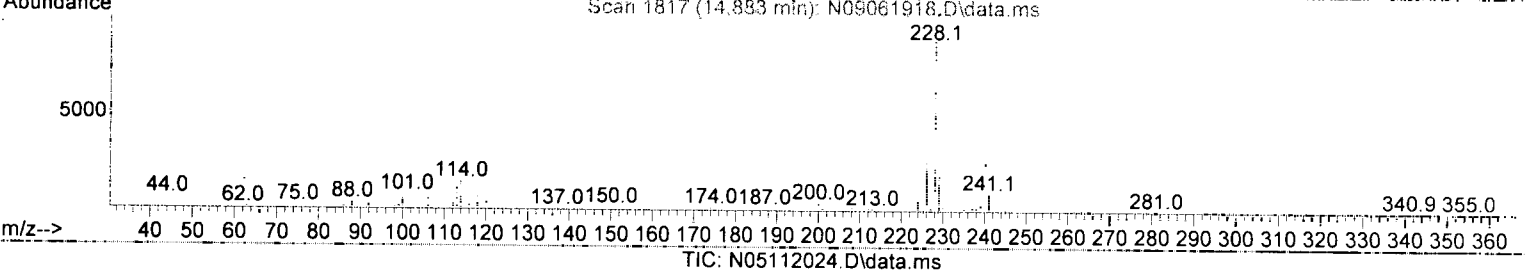
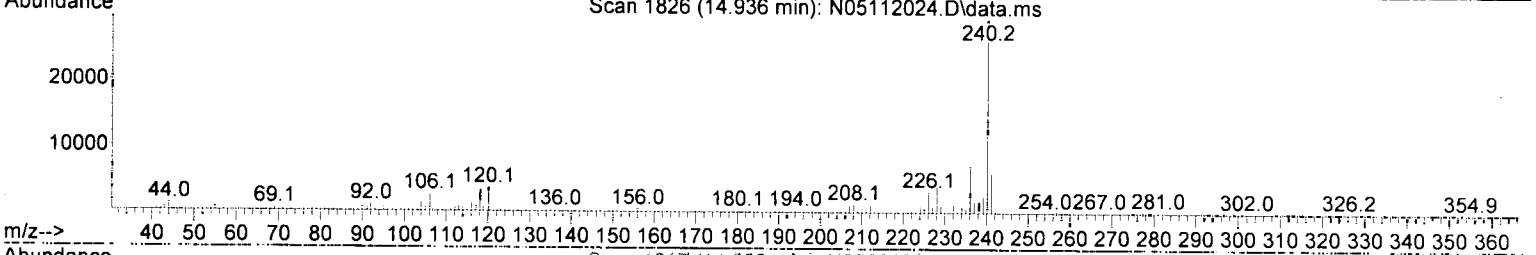
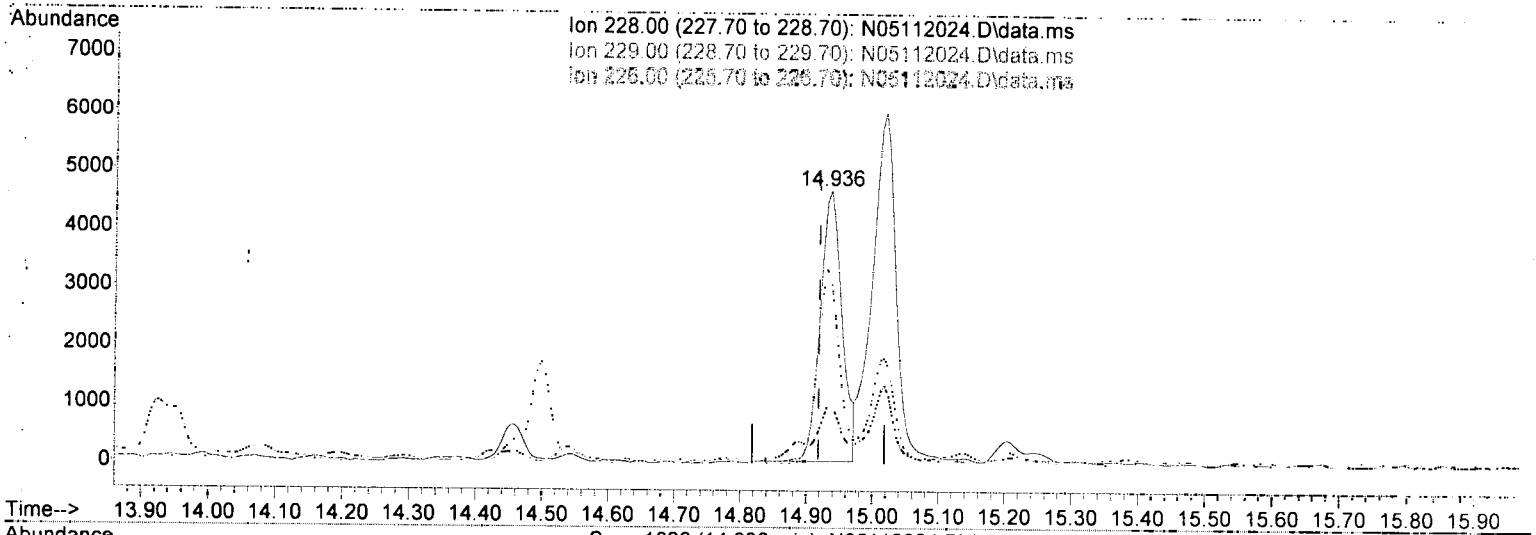
response 102545

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.12
201.00	16.80	17.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(26) Benz(a)anthracene (T)

14.936min (+ 0.018) 4.72 ng/ml

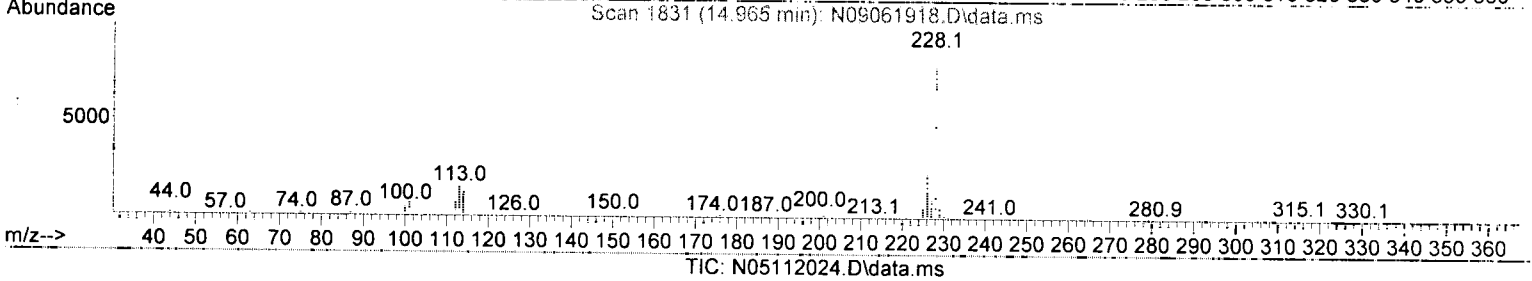
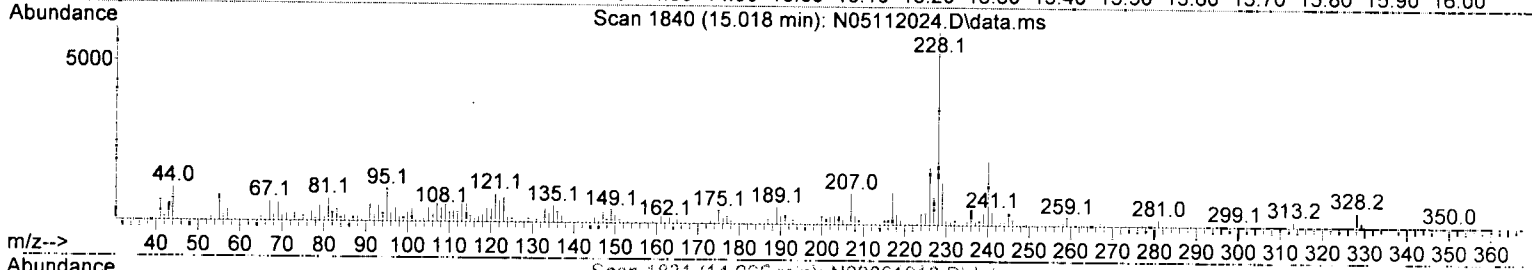
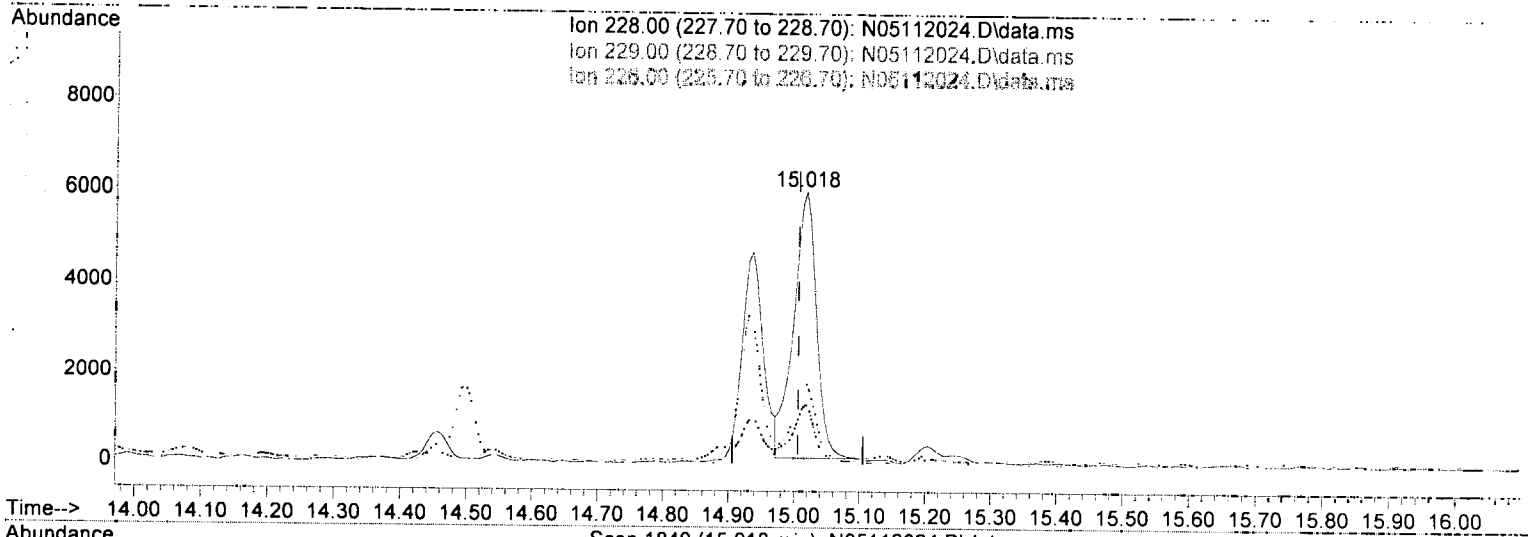
response 10691

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.77
226.00	26.20	68.11#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(27) Chrysene (T)

15.018min (+ 0.012) 6.18 ng/ml

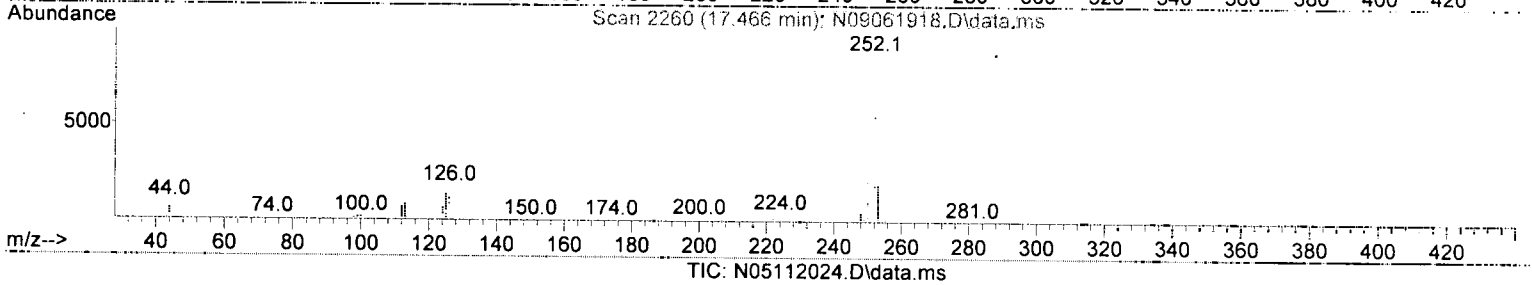
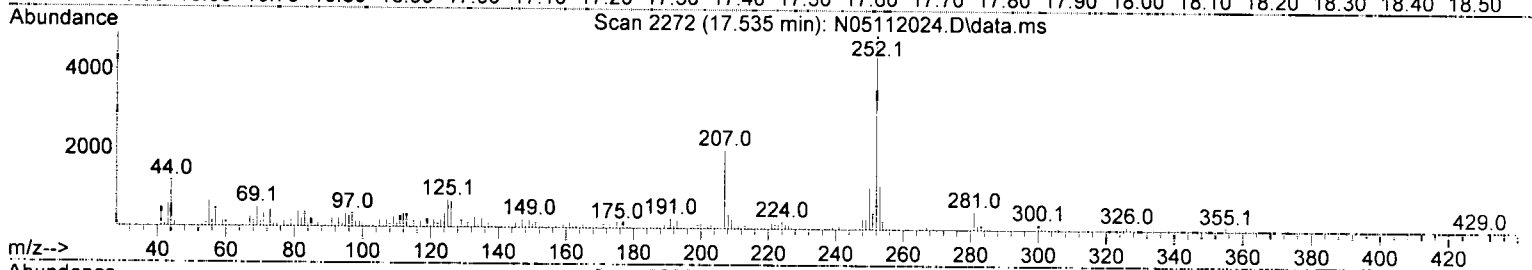
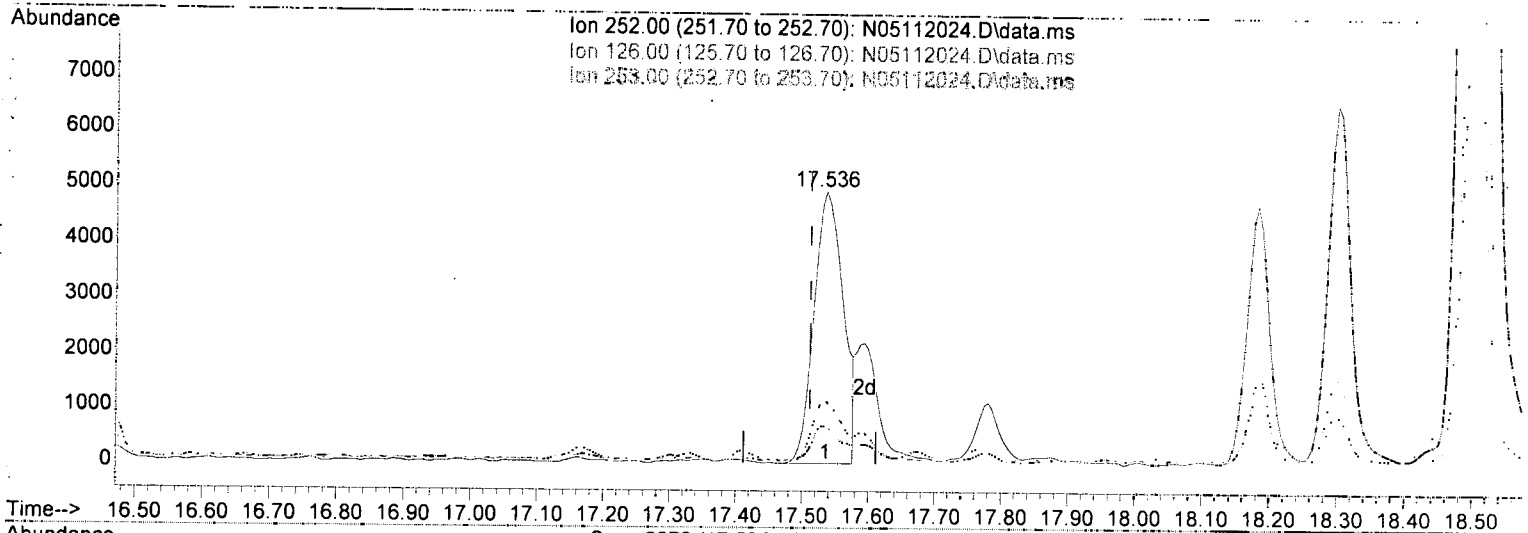
response 14371

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.05
226.00	28.60	29.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(29) Benzo(b)fluoranthene (T)

17.535min (+ 0.024) 7.02 ng/ml

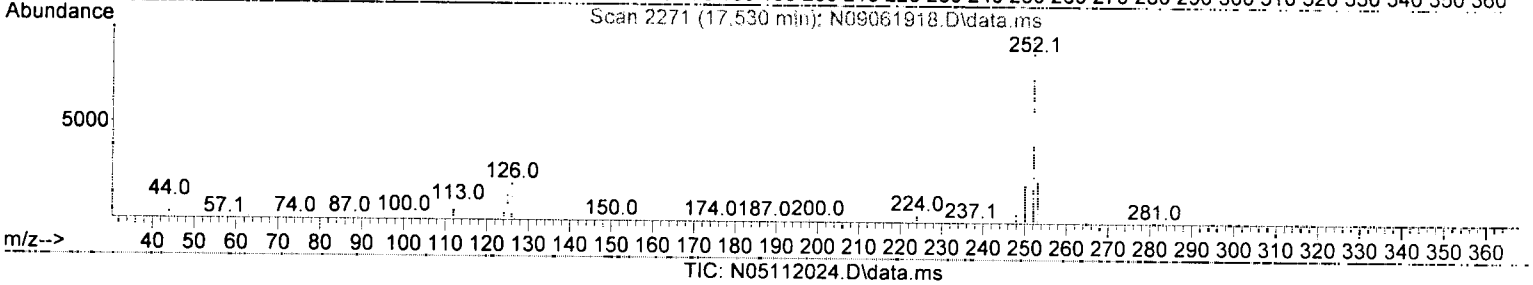
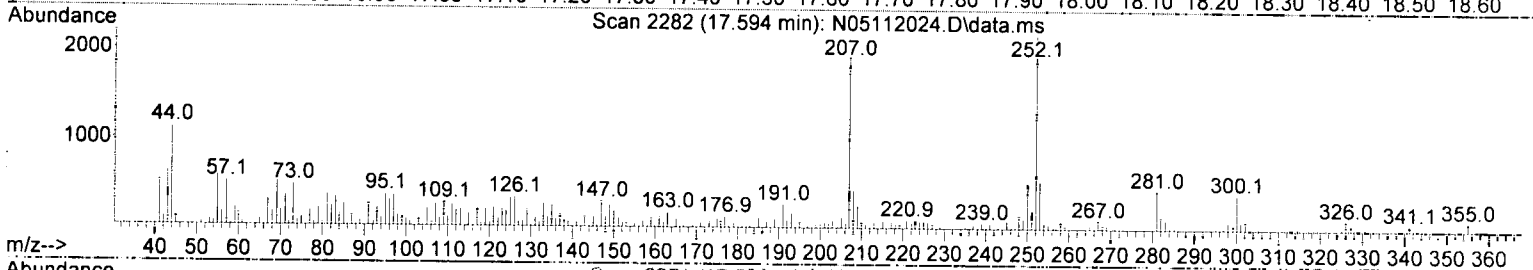
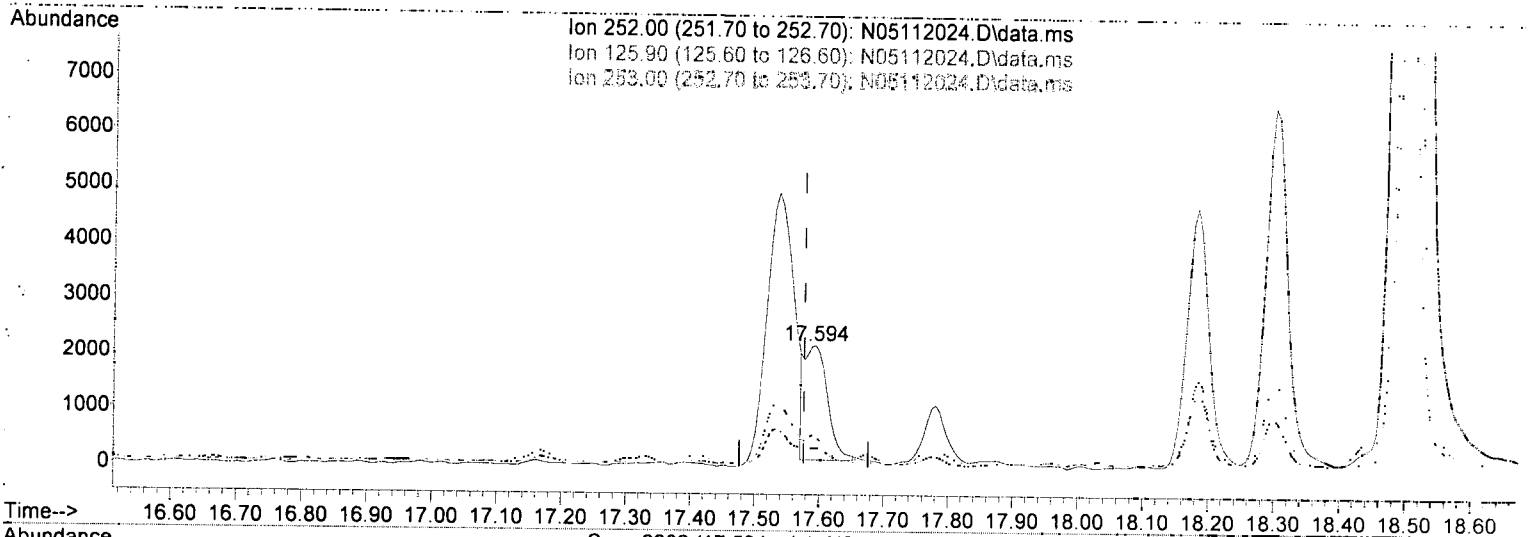
response 15181

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.58
253.00	21.10	23.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(30) Benzo(k)fluoranthene (T)

17.594min (+ 0.018) 2.36 ng/ml/m

REAL 5/12/20

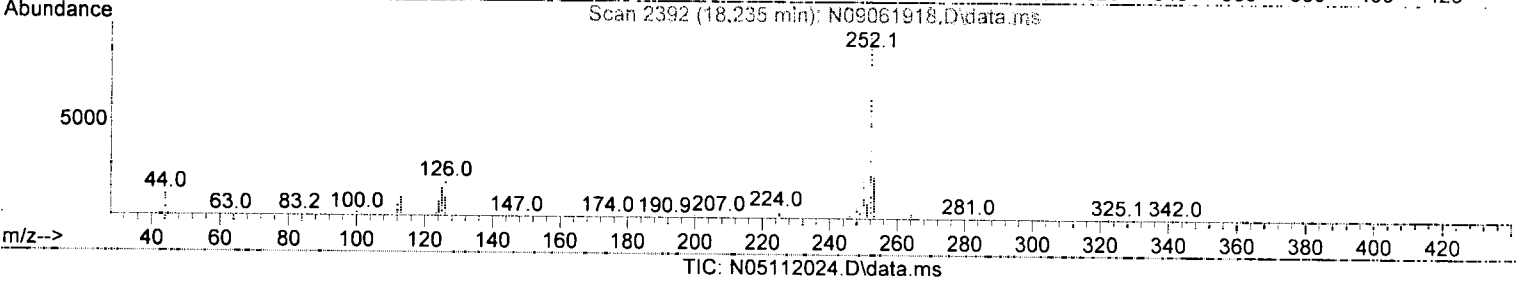
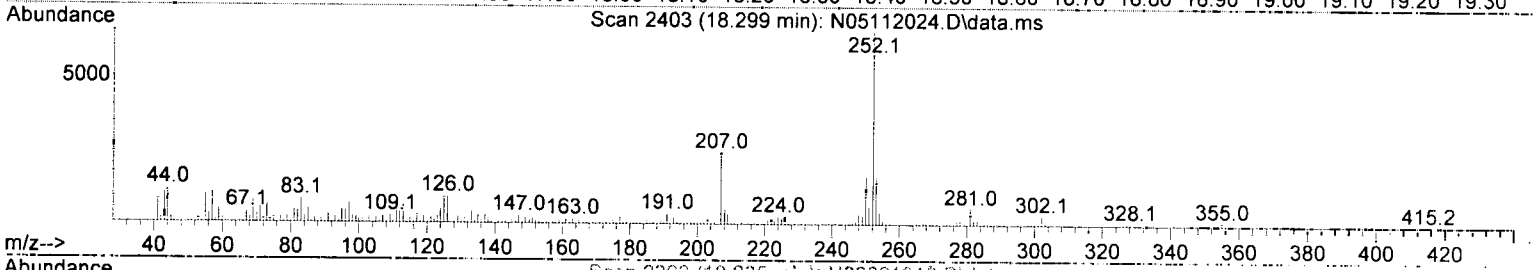
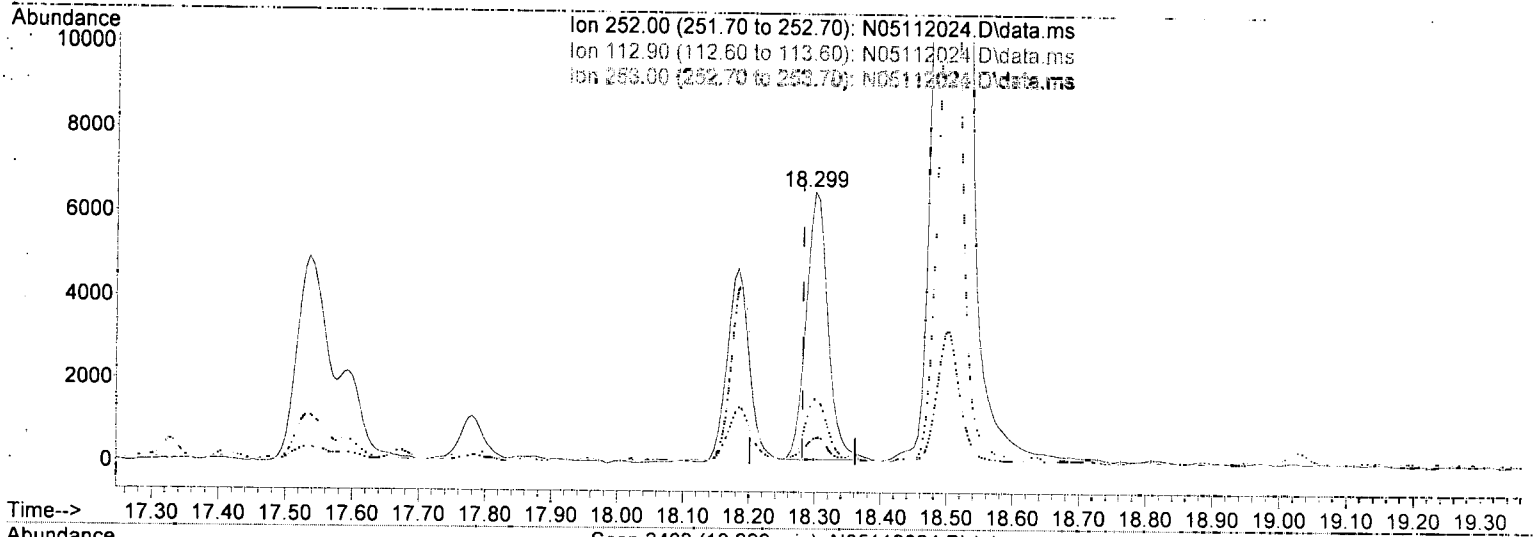
response 5081

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	16.04
253.00	21.50	25.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(33) Benzo(a)pyrene (T)

18.299min (+ 0.018) 9.03 ng/ml

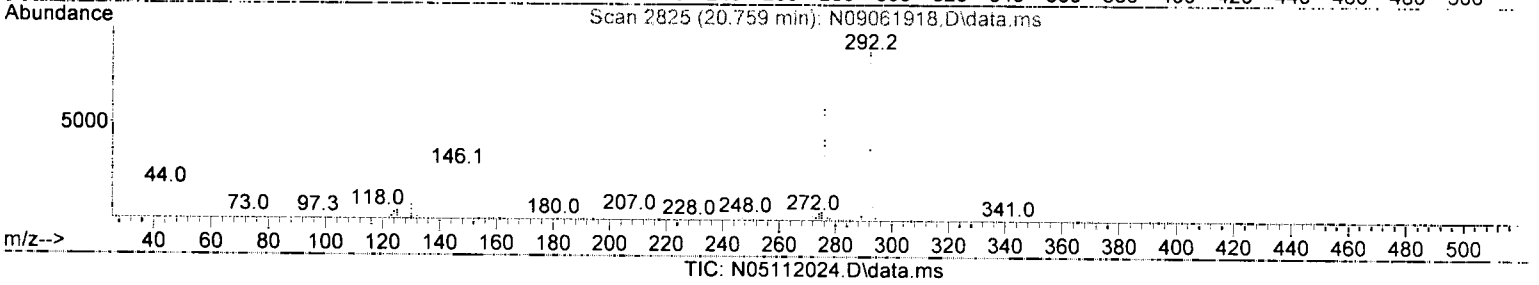
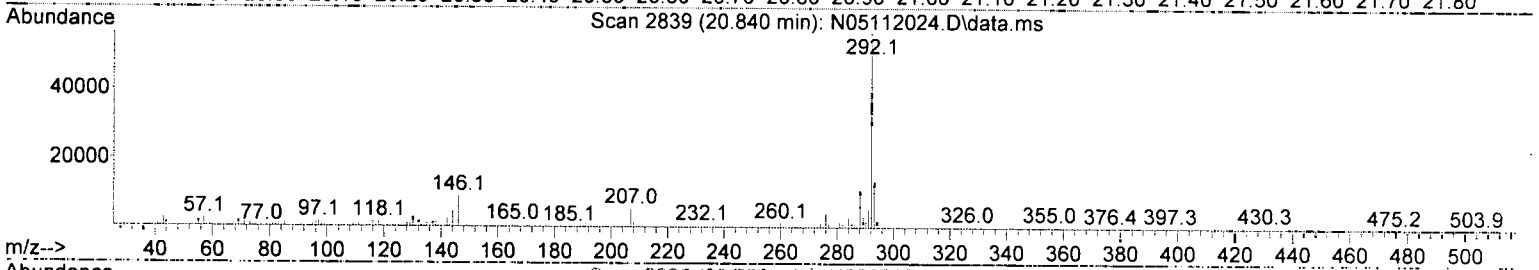
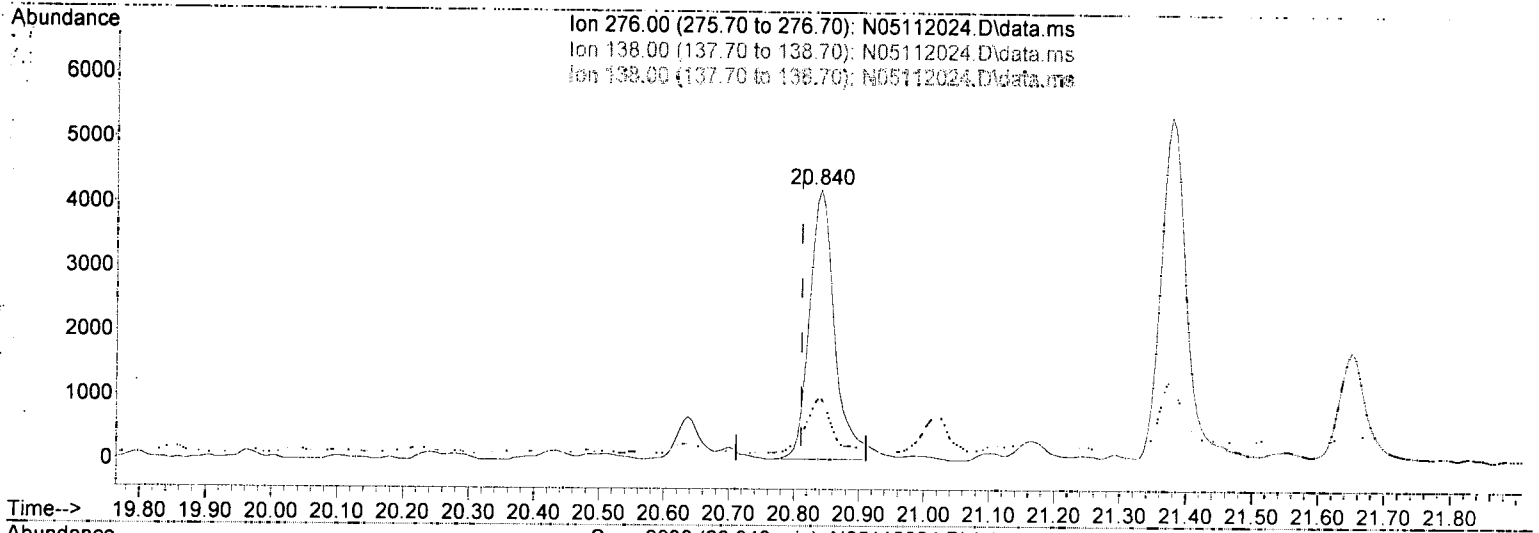
response 14883

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.64
253.00	21.90	24.17
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(36) Indeno(1,2,3-cd)Pyrene (T)

20.840min (+ 0.029) 5.89 ng/ml

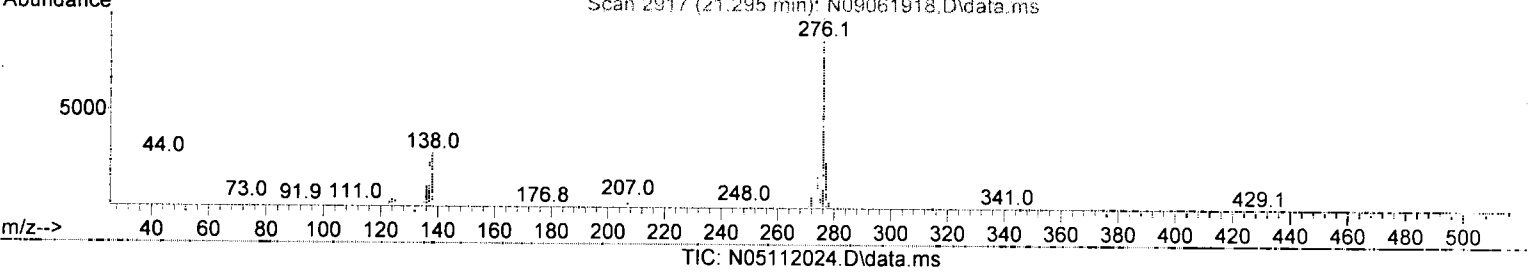
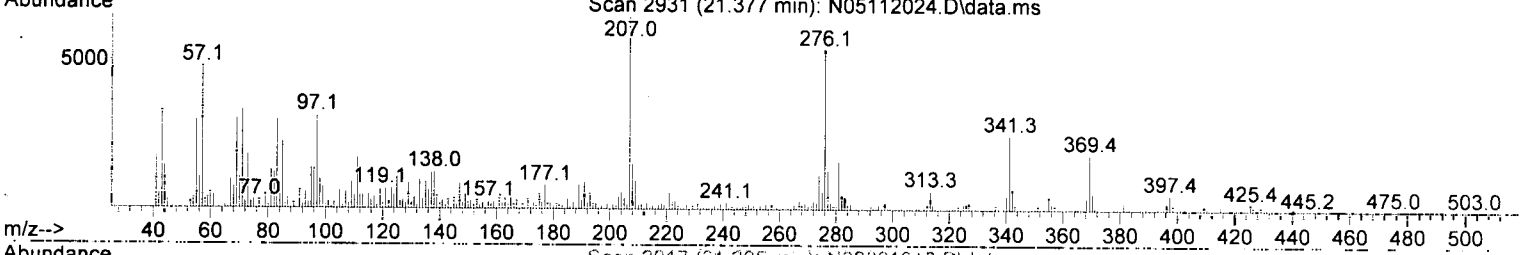
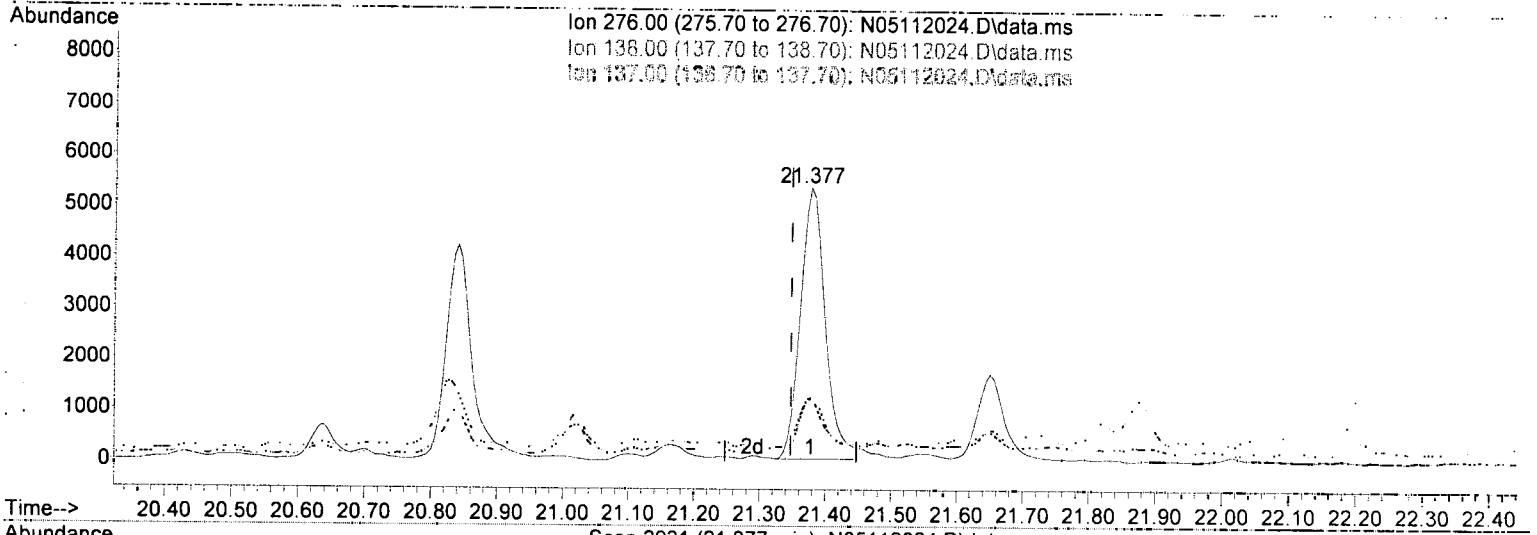
response 11240

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	23.33
138.00	31.60	23.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112024.D
 Acq On : 11 May 2020 09:11 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-03RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(38) Benzo(g,h,i)perylene (T)

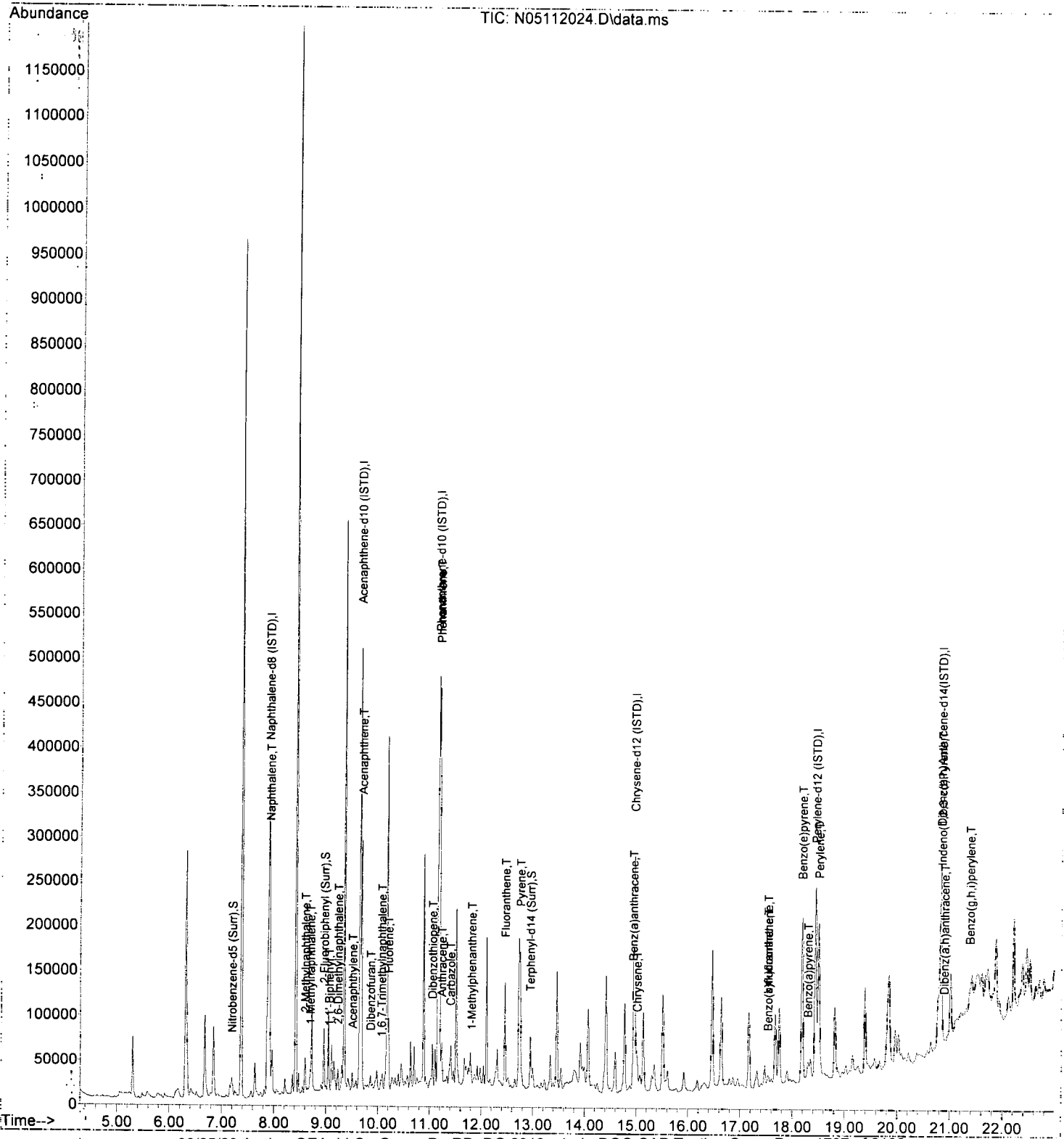
21.377min (+ 0.029) 6.86 ng/ml

response	14026
Ion	Exp% Act%
276.00	100.00 100.00
138.00	34.40 23.49
137.00	28.60 23.24
0.00	0.00 0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
Data File : N05112024.D
Acq On : 11 May 2020 09:11 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-03RE1@5
Misc : 5x, 8270D LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 12 09:53:55 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112025.D
 Acq On : 11 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

JKM 5/12/20

Quant Time: May 12 09:53:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.895	136	241010	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.655	162	149854	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	257907	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.959	240	209060	100.00	ng/ml	0.02
28) Perylene-d12 (ISTD)	18.445	264	199596	100.00	ng/ml	0.02
35) Dibenz(a,h)Anthracene-d...	20.834	292	167399	100.00	ng/ml	0.03
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	11622	15.44	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.961	172	43246	18.64	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	45105	22.33	ng/ml	0.00
Target Compounds						
3) Decalin	7.324	138	64	N.D.		Qvalue
4) Naphthalene	7.918	128	59956	22.84	ng/ml	100
5) 2-Methylnaphthalene	8.600	142	4326	2.45	ng/ml	100
6) 1-Methylnaphthalene	8.705	142	3122	1.78	ng/ml	98
7) 1,1'-Biphenyl	9.066	154	1391	0.63	ng/ml	93
8) 2,6-Dimethylnaphthalene	9.230	156	1931	1.27	ng/ml	95
11) Acenaphthylene	9.509	152	1769	0.63	ng/ml	84
12) Acenaphthene	9.684	153	27627	13.48	ng/ml	100
13) Dibenzofuran	9.859	168	1449	0.58	ng/ml	89
14) 1,6,7-Trimethylnaphtha...	10.081	170	485	N.D.		
15) Fluorene	10.209	166	5924	3.01	ng/ml	97
17) Dibenzothiophene	11.060	184	2610	1.00	ng/ml	94
18) Phenanthrene	11.188	178	19254	6.49	ng/ml	99
19) Anthracene	11.240	178	2767	1.14	ng/ml	93
20) Carbazole	11.409	167	7317	3.49	ng/ml	95
21) 1-Methylphenanthrene	11.812	192	420	N.D.		
22) Fluoranthene	12.459	202	5879	2.01	ng/ml	95
24) Pyrene	12.756	202	5825	2.15	ng/ml	96
26) Benz(a)anthracene	14.953	228	1229	0.57	ng/ml	73
27) Chrysene	15.017	228	585	N.D.		
29) Benzo(b)fluoranthene	17.535	252	767	N.D.		
30) Benzo(k)fluoranthene	17.535	252	985	0.48	ng/ml	66
31) Benzo(b+k)fluoranthene	17.535	252	1102	0.51	ng/ml	66
32) Benzo(e)pyrene	18.188	252	1103	0.51	ng/ml#	1
33) Benzo(a)pyrene	18.299	252	534	0.64	ng/ml#	29
34) Perylene	18.509	252	119682	53.87	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.852	276	598	N.D.		
37) Dibenz(a,h)anthracene	20.916	278	93	N.D.		
38) Benzo(g,h,i)perylene	21.388	276	601	N.D.		

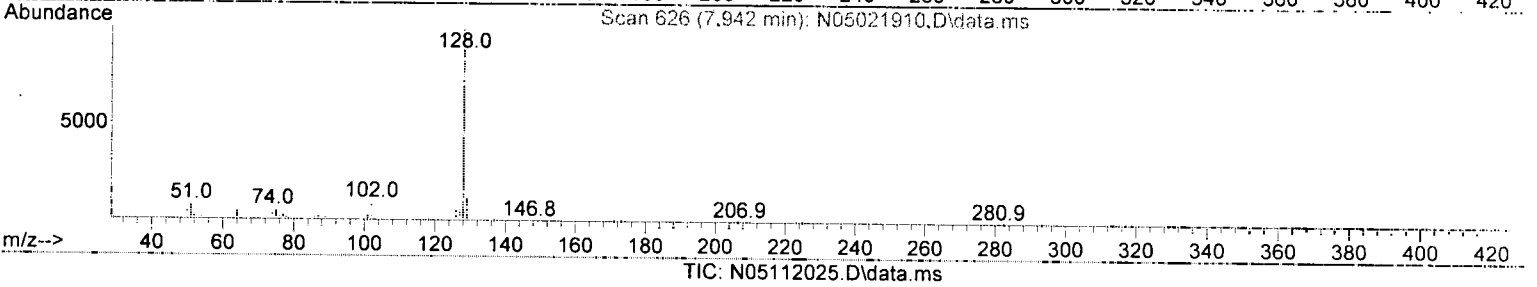
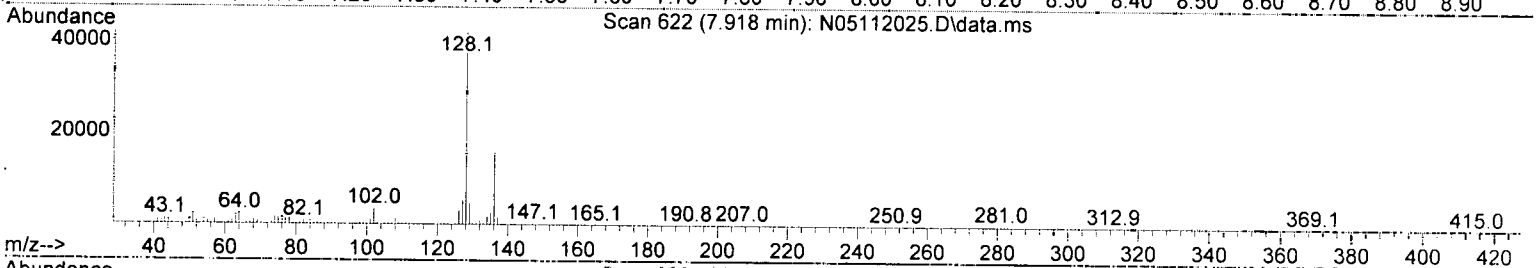
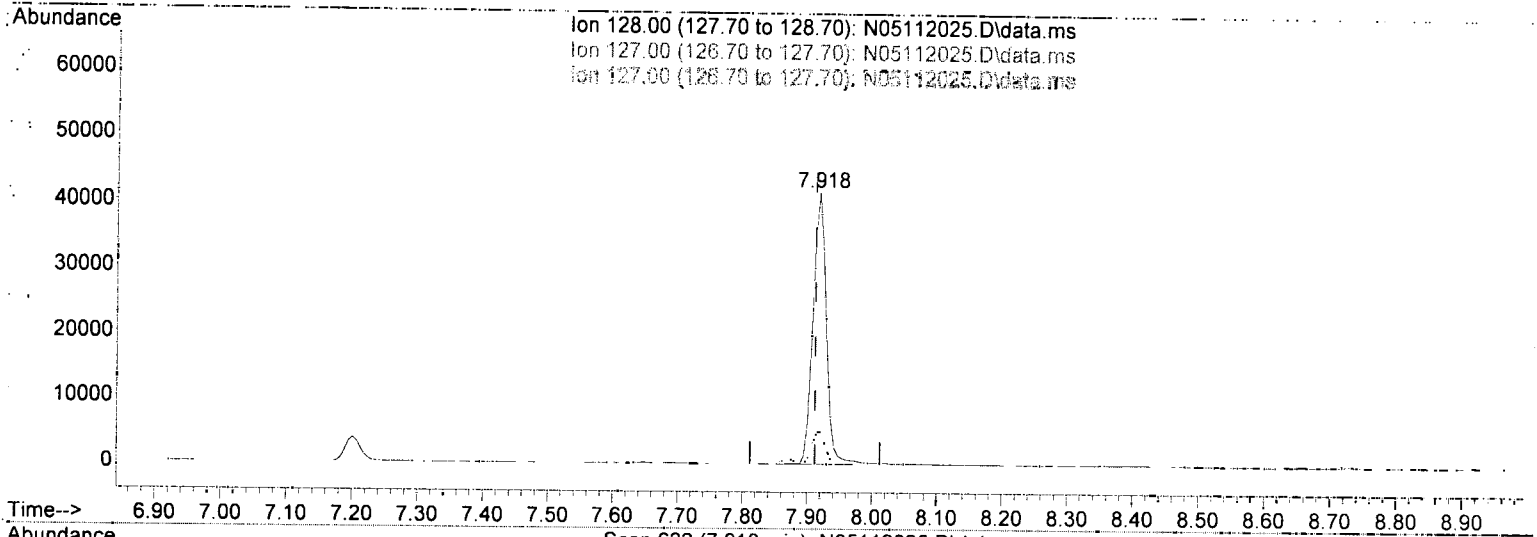
JKM 5/12/20

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112025.D
 Acq On : 11 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 12 09:53:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.918min (+ 0.006) 22.84 ng/ml

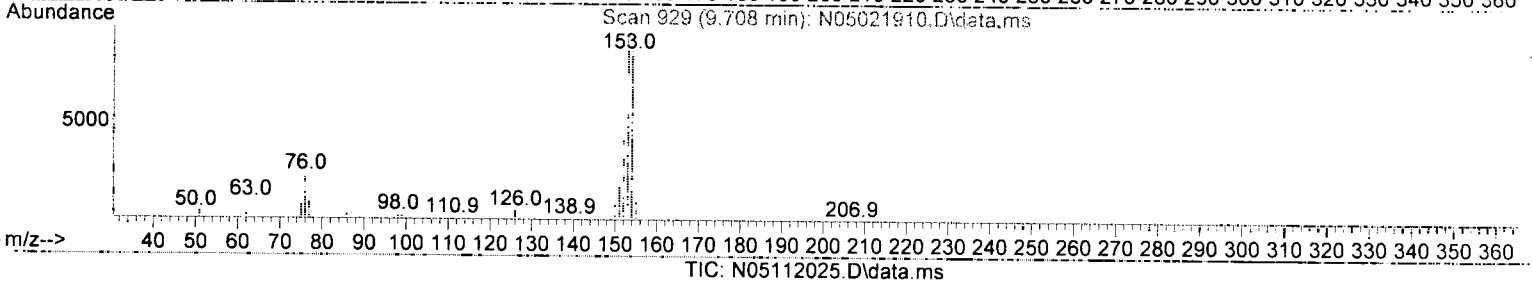
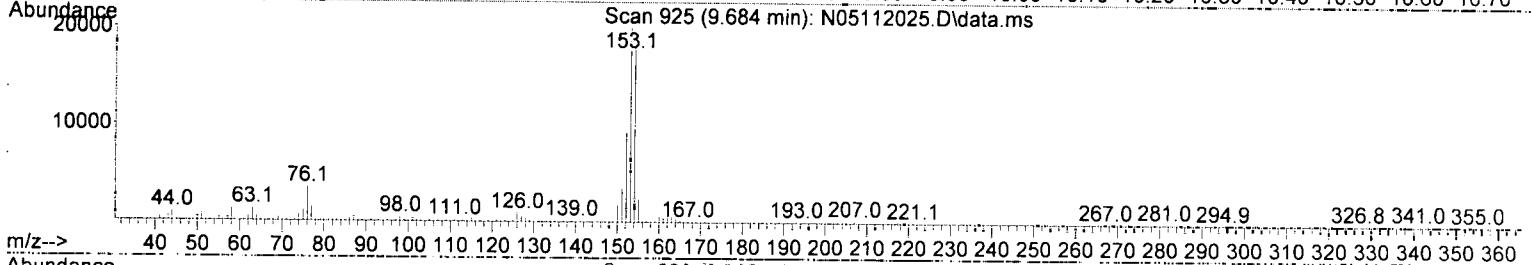
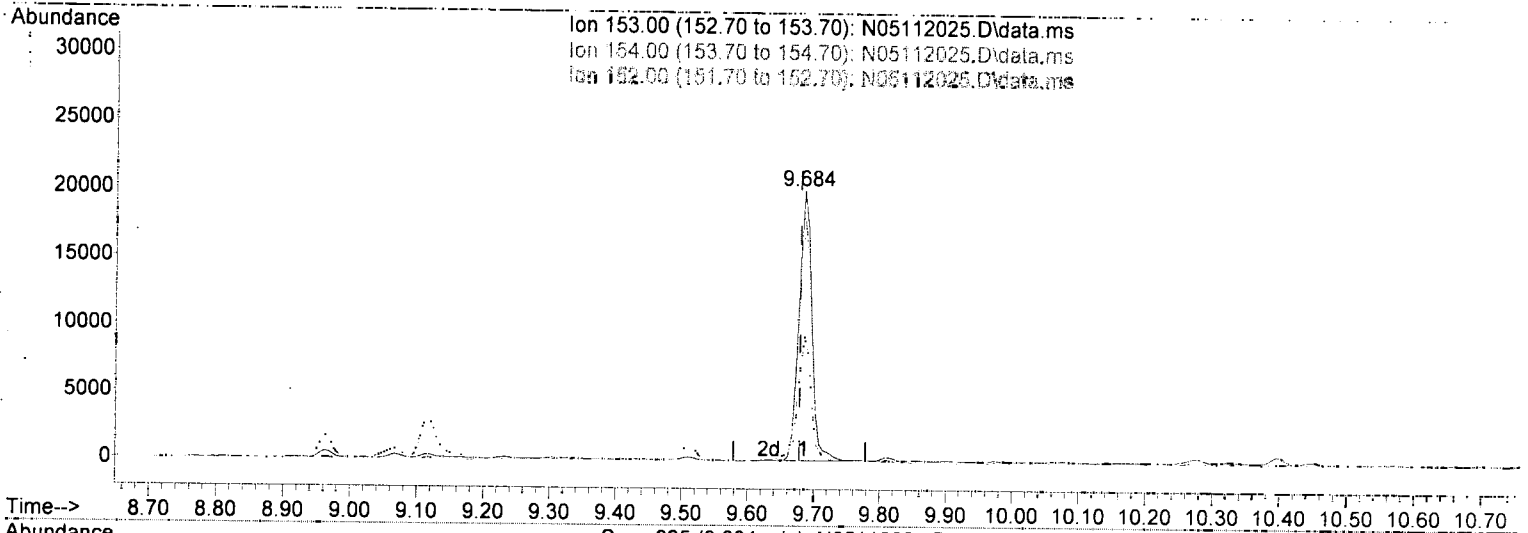
response 59956

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.72
127.00	12.60	12.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112025.D
 Acq On : 11 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 12 09:53:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

9.684min (+ 0.006) 13.48 ng/ml

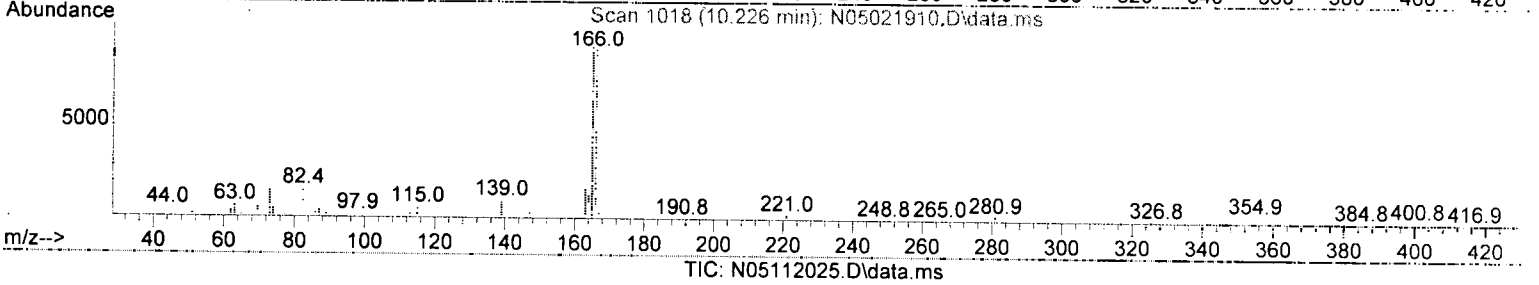
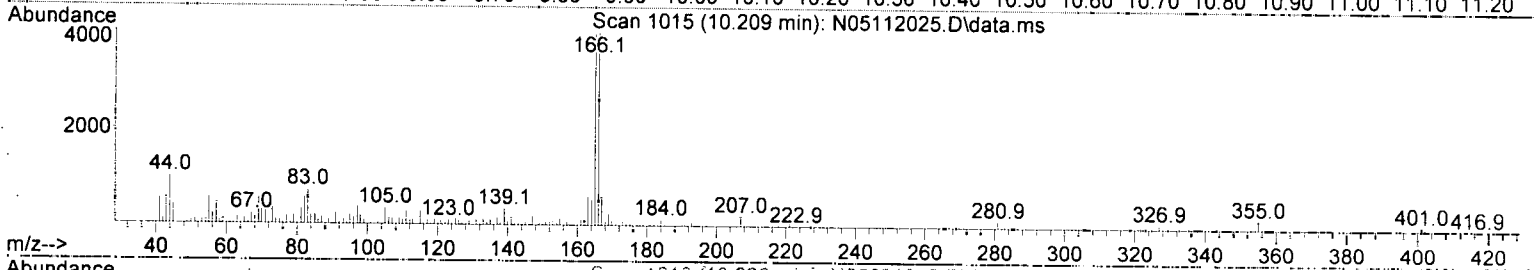
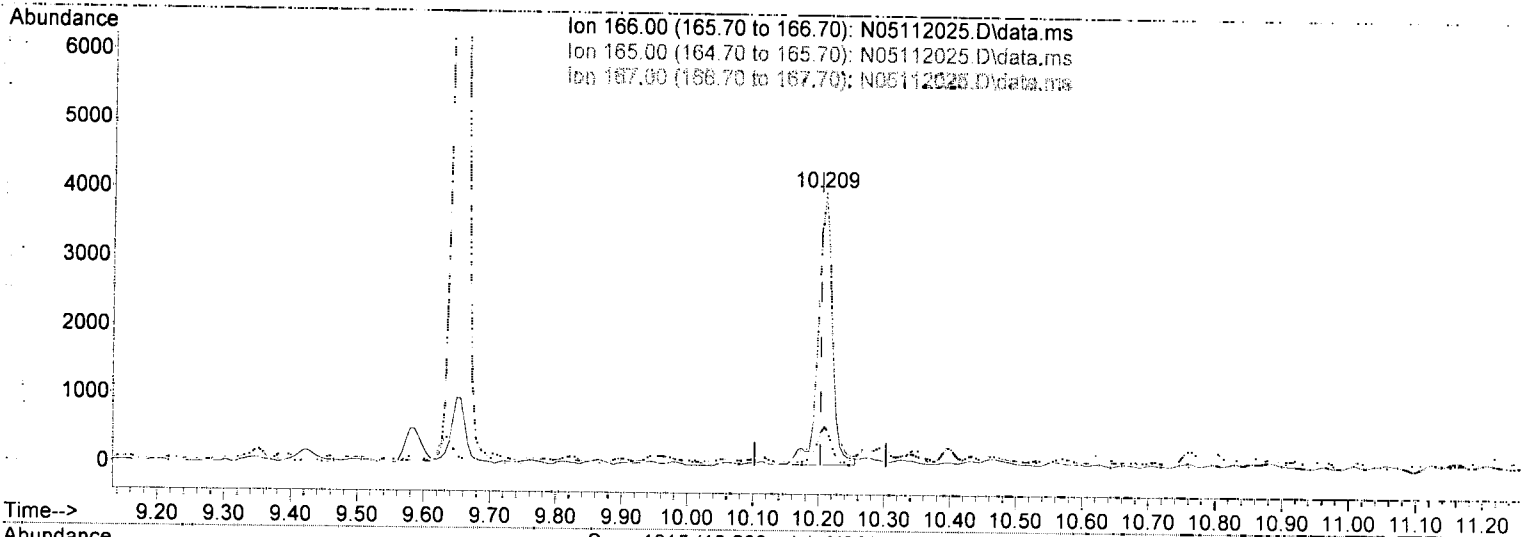
response 27627

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.44
152.00	46.80	46.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112025.D
 Acq On : 11 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 12 09:53:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.209min (+ 0.006) 3.01 ng/ml

response 5924

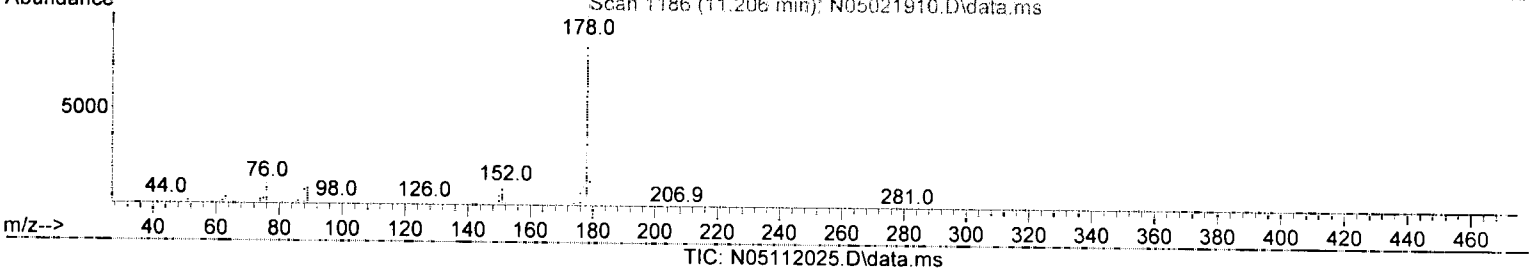
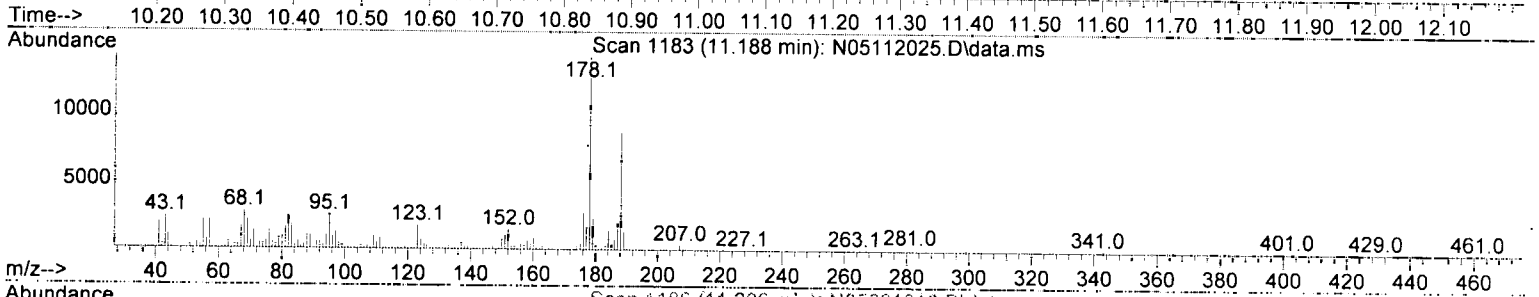
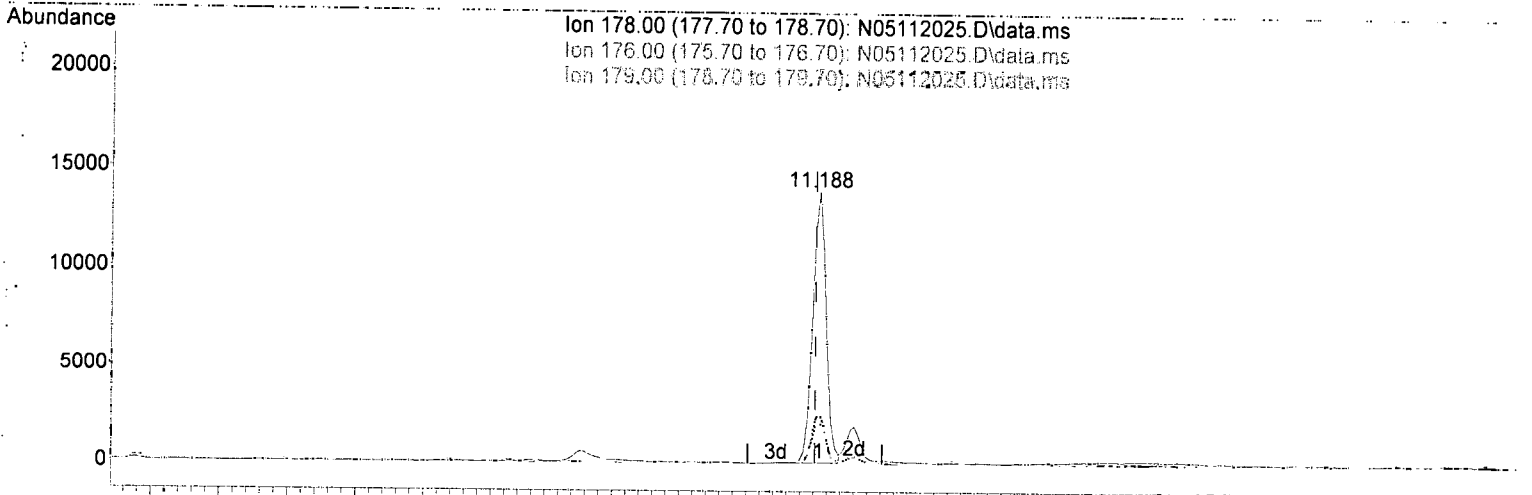
Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	99.13
167.00	13.60	14.74
0.00	0.00	0.00

J

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112025.D
 Acq On : 11 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 12 09:53:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

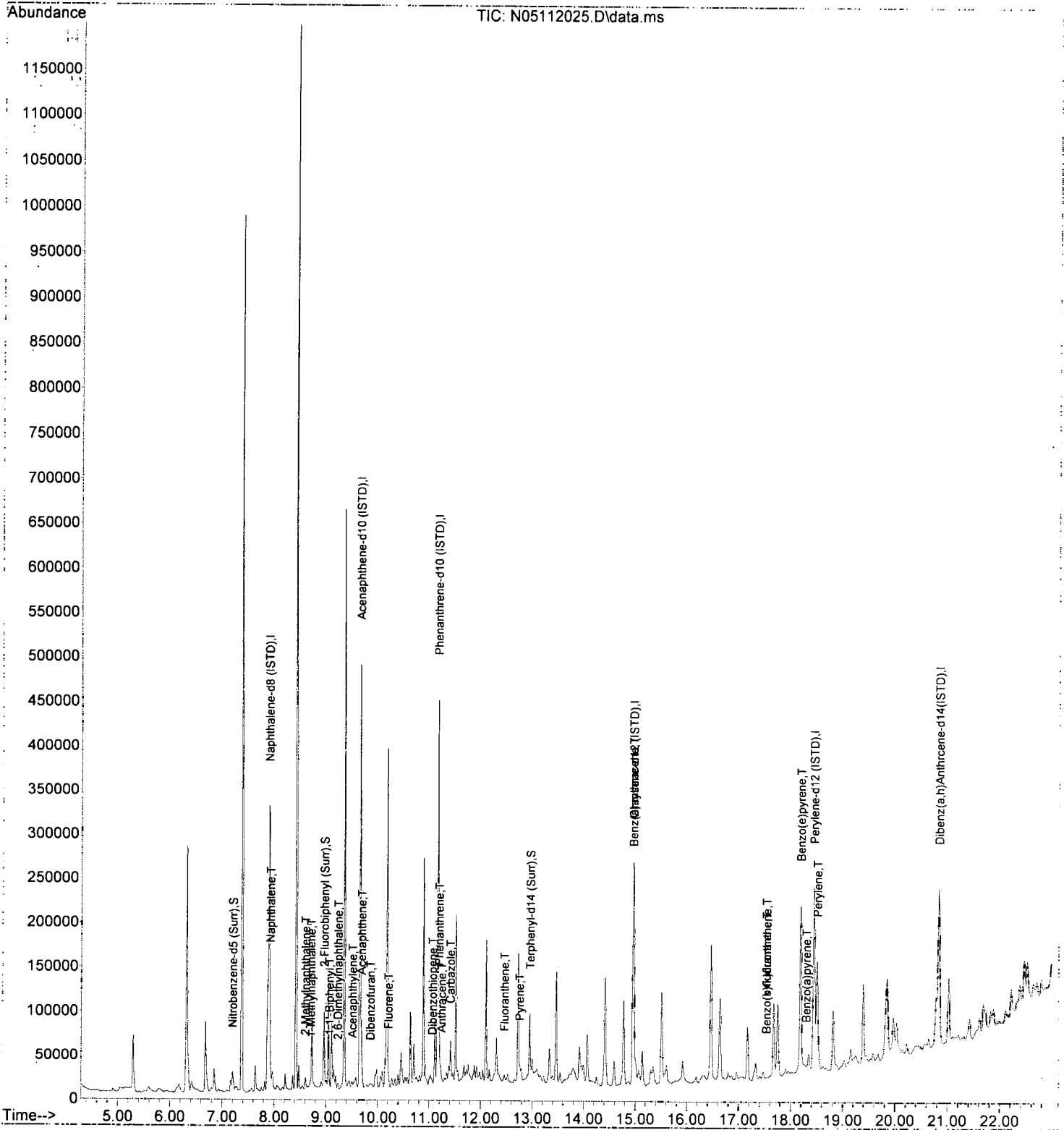
11.188min (+ 0.006) 6.49 ng/ml

response 19254

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.05
179.00	15.10	16.15
0.00	0.00	0.00

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112025.D
 Acq On : 11 May 2020 09:43 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-04RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 12 09:53:58 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112026.D
 Acq On : 11 May 2020 10:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05RE104
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

RAM 5/12/20

Quant Time: May 12 09:54:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.901	136	250384	100.00	ng/ml	0.01	
9) Acenaphthene-d10 (ISTD)	9.661	162	156553	100.00	ng/ml	0.01	
16) Phenanthrene-d10 (ISTD)	11.170	188	281679	100.00	ng/ml	0.01	
23) Chrysene-d12 (ISTD)	14.971	240	250720	100.00	ng/ml	0.03	
28) Perylene-d12 (ISTD)	18.456	264	245460	100.00	ng/ml	0.03	
35) Dibenz(a,h)Anthracene-d...	20.840	292	212041	100.00	ng/ml	0.03	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	11214	14.34	ng/ml	0.01	
10) 2-Fluorobiphenyl (Surr)	8.967	172	44335	18.29	ng/ml	0.01	
25) Terphenyl-d14 (Surr)	12.960	244	51979	21.46	ng/ml	0.01	
Target Compounds							
3) Decalin	7.522	138	53	N.D.			
4) Naphthalene	7.924	128	9245	(3.39)	ng/ml	97	
5) 2-Methylnaphthalene	8.612	142	1355	0.74	ng/ml	98	
6) 1-Methylnaphthalene	8.705	142	2998	1.65	ng/ml	94	
7) 1,1'-Biphenyl	9.072	154	863	N.D.			
8) 2,6-Dimethylnaphthalene	9.235	156	2459	1.55	ng/ml	98	
11) Acenaphthylene	9.515	152	1543	0.53	ng/ml	74	
12) Acenaphthene	9.690	153	32005	14.95	ng/ml	97	
13) Dibenzofuran	9.865	168	1996	0.77	ng/ml	95	
14) 1,6,7-Trimethylnaphtha...	10.075	170	580	N.D.			
15) Fluorene	10.214	166	9129	(4.43)	ng/ml	98	
17) Dibenzothiopene	11.065	184	4455	1.57	ng/ml	96	
18) Phenanthrene	11.194	178	30465	9.40	ng/ml	98	
19) Anthracene	11.240	178	3345	1.26	ng/ml	95	
20) Carbazole	11.415	167	11234	4.90	ng/ml	98	
21) 1-Methylphenanthrene	11.817	192	626	N.D.			
22) Fluoranthene	12.464	202	2959	0.93	ng/ml	94	
24) Pyrene	12.756	202	2215	0.68	ng/ml	93	
26) Benz(a)anthracene	14.965	228	1021	N.D.			
27) Chrysene	15.029	228	317	N.D.			
29) Benzo(b)fluoranthene	17.559	252	382	N.D.			
30) Benzo(k)fluoranthene	17.599	252	149	N.D.			
31) Benzo(b+k)fluoranthene	17.559	252	1272	0.48	ng/ml	48	
32) Benzo(e)pyrene	18.194	252	697	N.D.			
33) Benzo(a)pyrene	18.310	252	281	0.45	ng/ml#	1	
34) Perylene	18.514	252	106024	38.81	ng/ml	99	
36) Indeno(1,2,3-cd)Pyrene	20.846	276	337	N.D.			
37) Dibenz(a,h)anthracene	20.957	278	93	N.D.			
38) Benzo(g,h,i)perylene	21.388	276	451	N.D.			

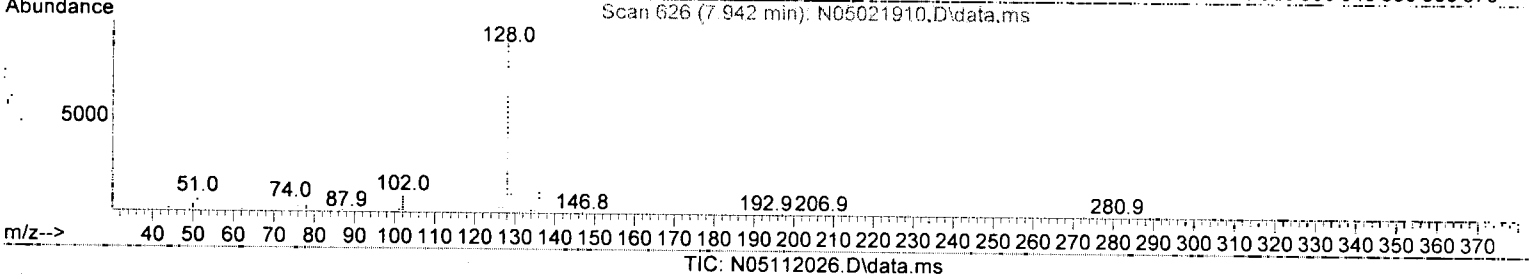
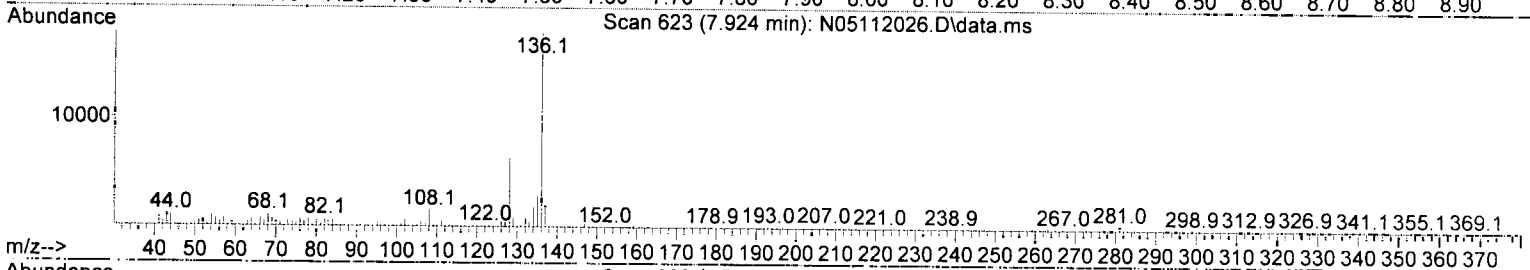
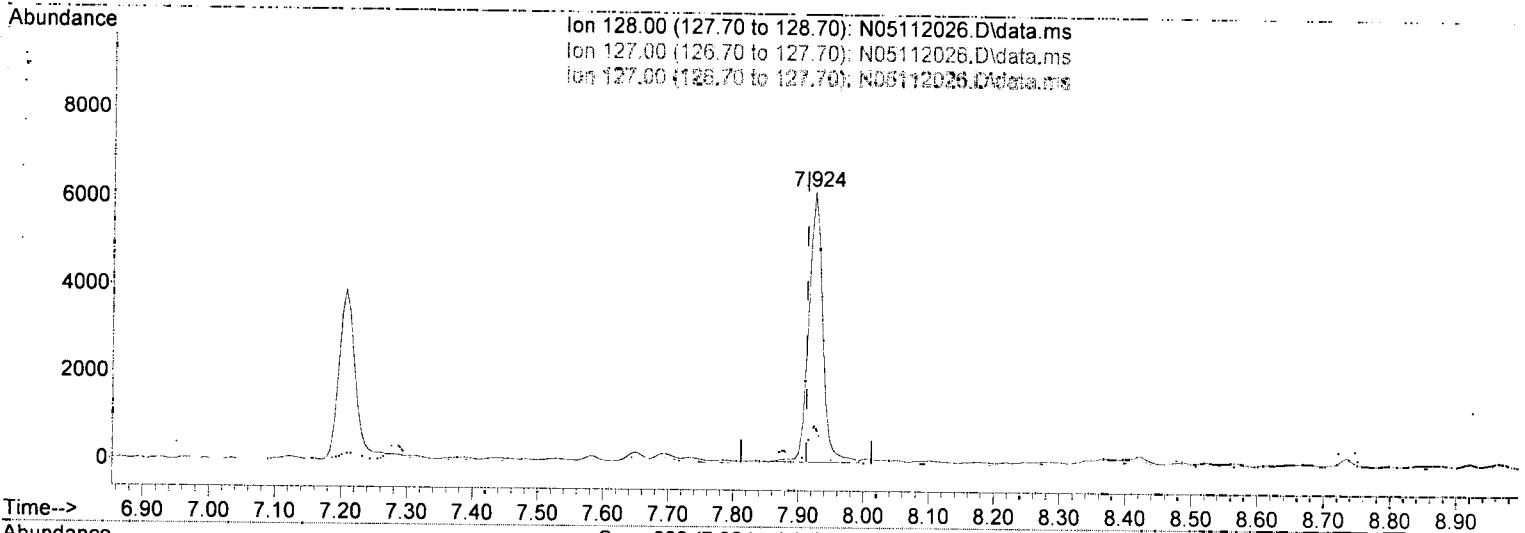
RAM 5/12/20

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112026.D
 Acq On : 11 May 2020 10:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 12 09:54:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

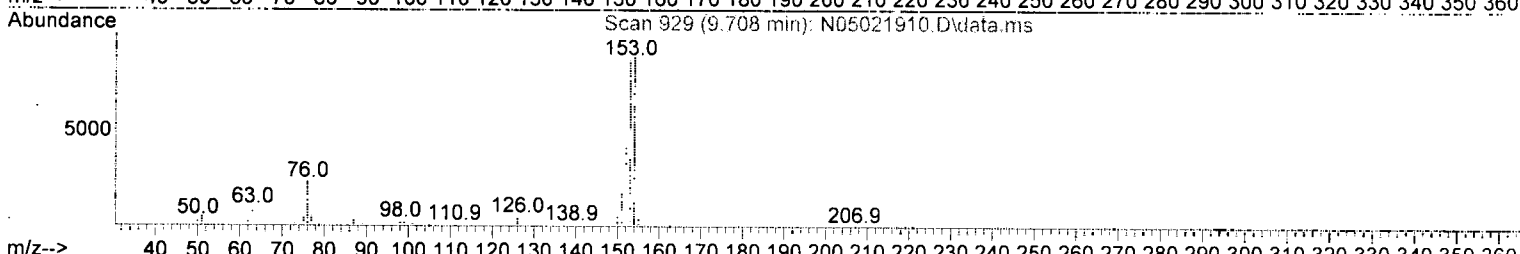
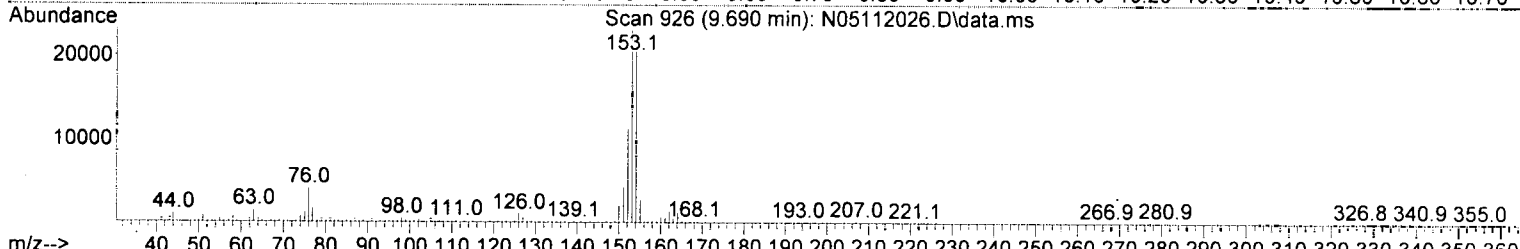
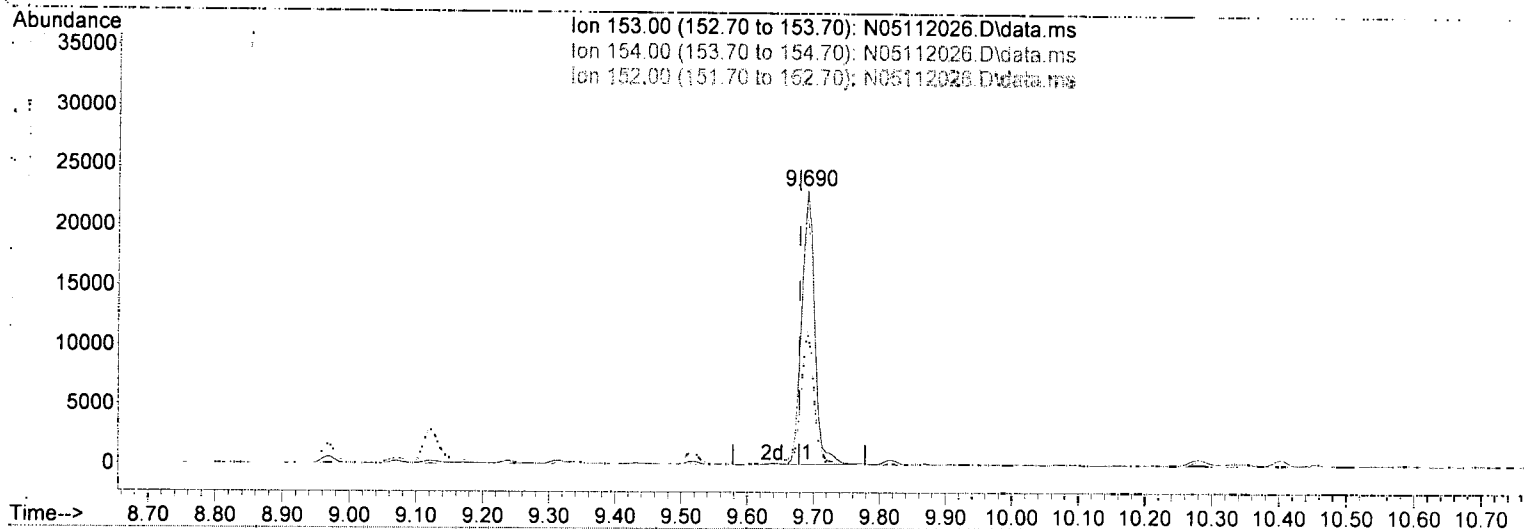
7.924min (+ 0.012) 3.39 ng/ml

response	9245	
Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.85
127.00	12.60	13.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112026.D
 Acq On : 11 May 2020 10:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 12 09:54:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



TIC: N05112026.D\data.ms

(12) Acenaphthene (T)

9.690min (+ 0.012) 14.95 ng/ml

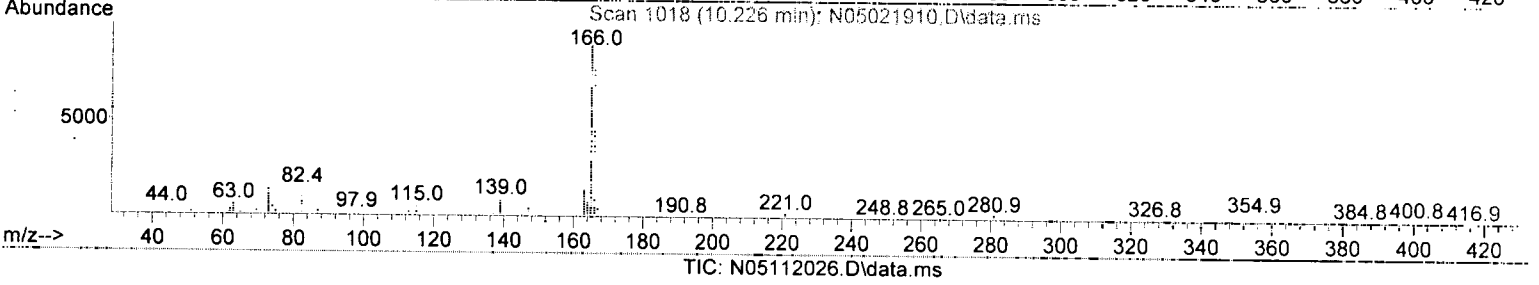
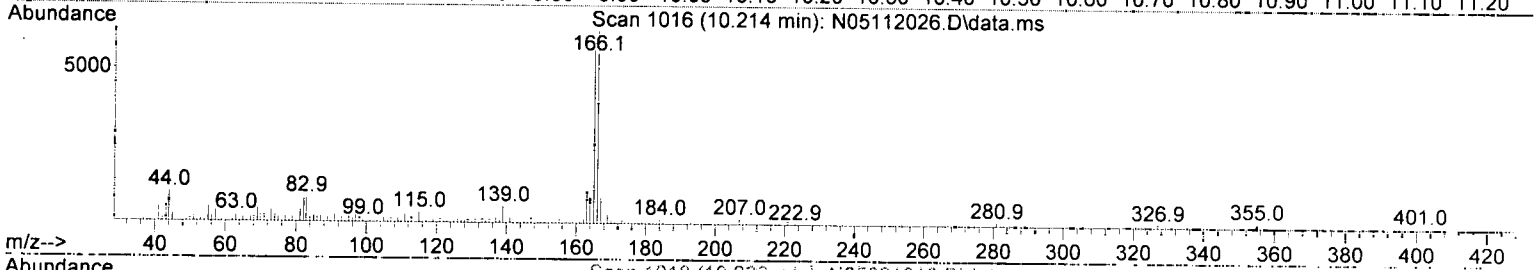
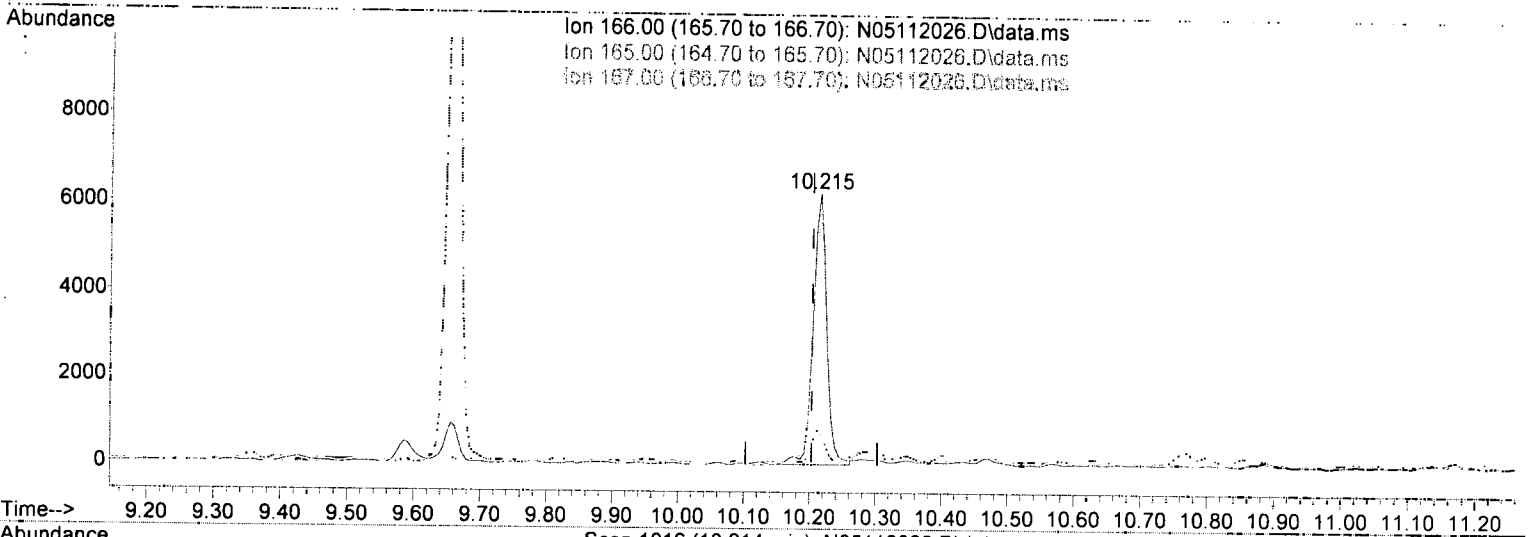
response 32005

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	93.93
152.00	46.80	49.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112026.D
 Acq On : 11 May 2020 10:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 12 09:54:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.214min (+ 0.012) 4.43 ng/ml

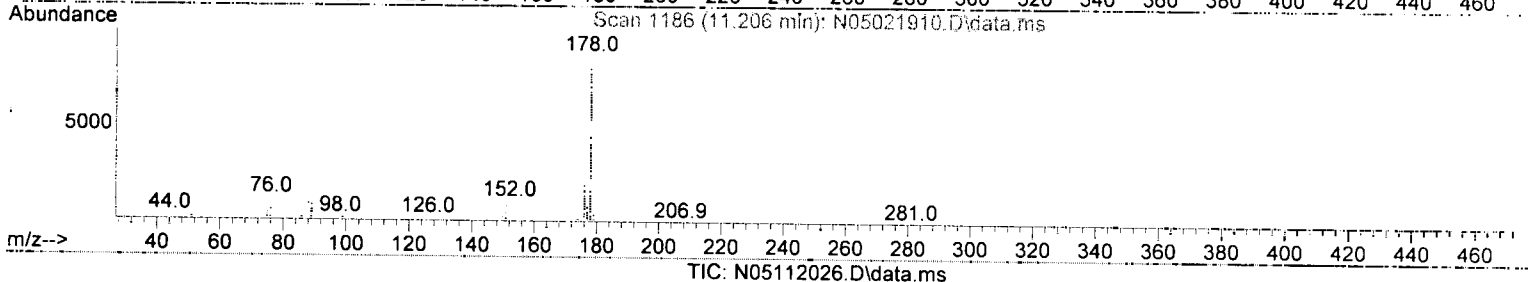
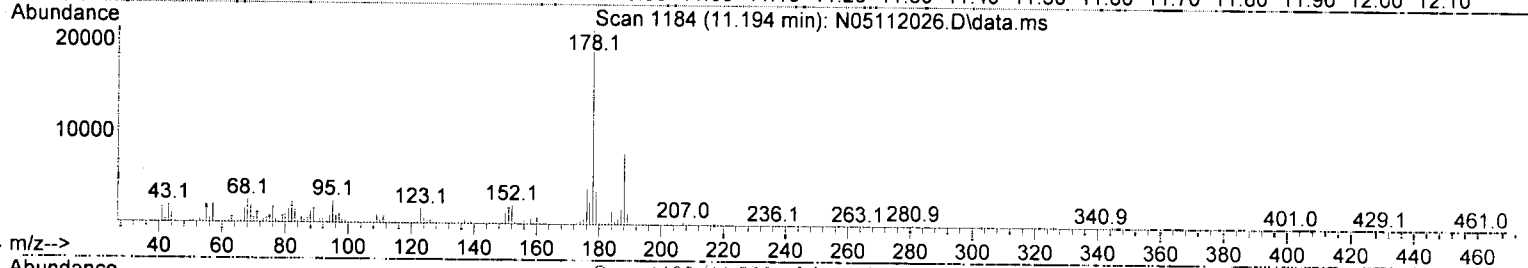
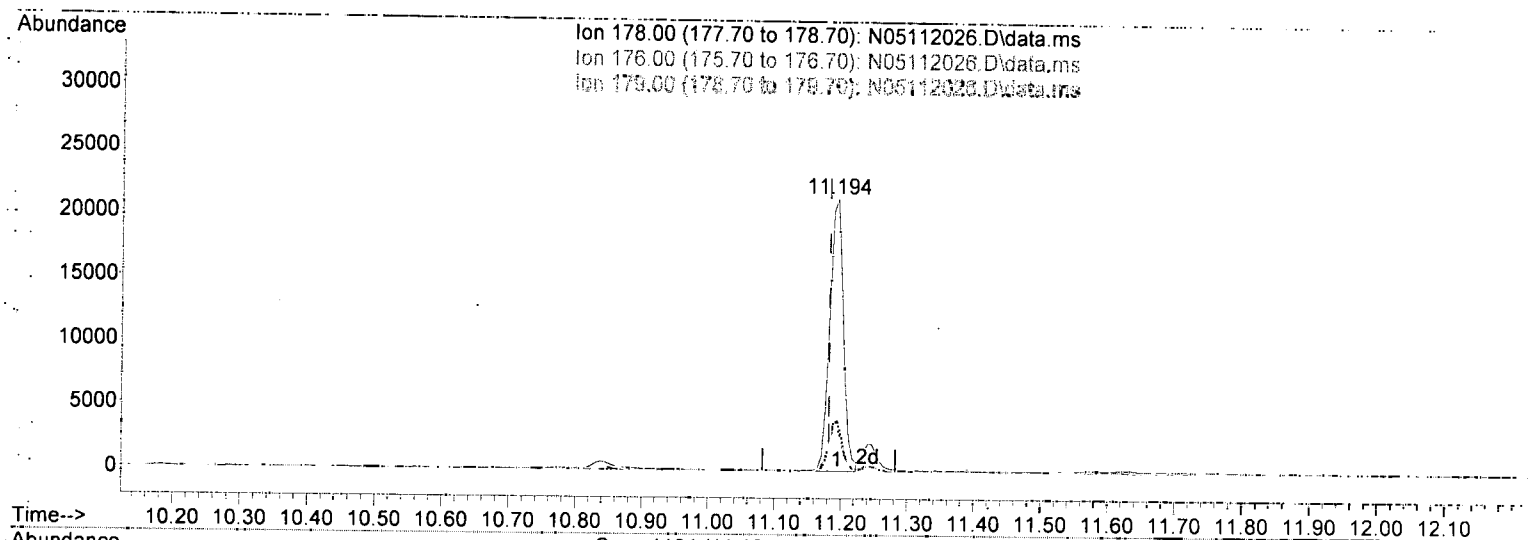
response 9129

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	93.31
167.00	13.60	13.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112026.D
 Acq On : 11 May 2020 10:14 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-05RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 12 09:54:01 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.194min (+ 0.012) 9.40 ng/ml

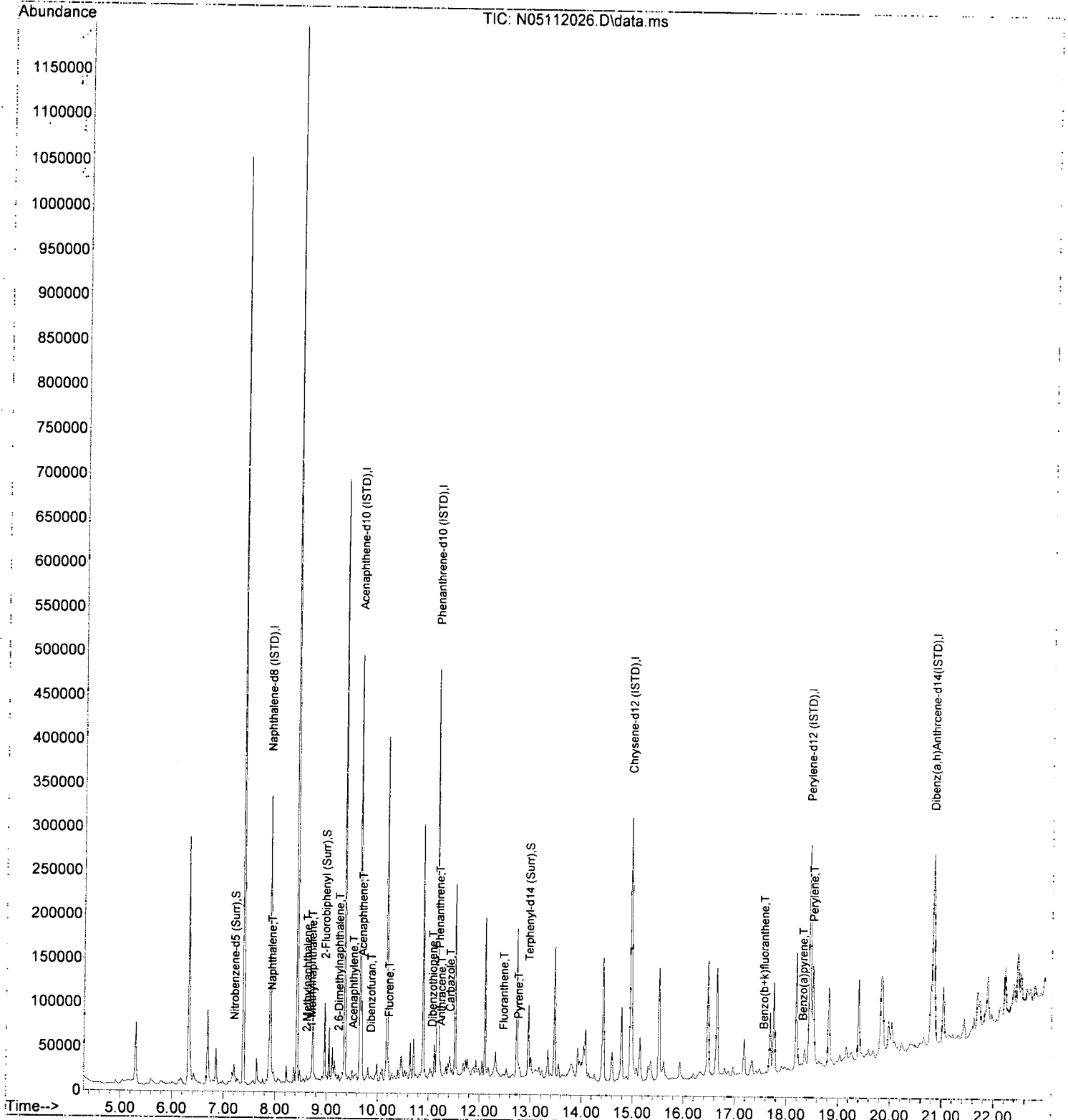
response 30465

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.33
179.00	15.10	16.38
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
Data File : N05112026.D
Acq On : 11 May 2020 10:14 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-05RE1@4
Misc : 4x, 8270D LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 12 09:54:01 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Handwritten: HML 5/12/20

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

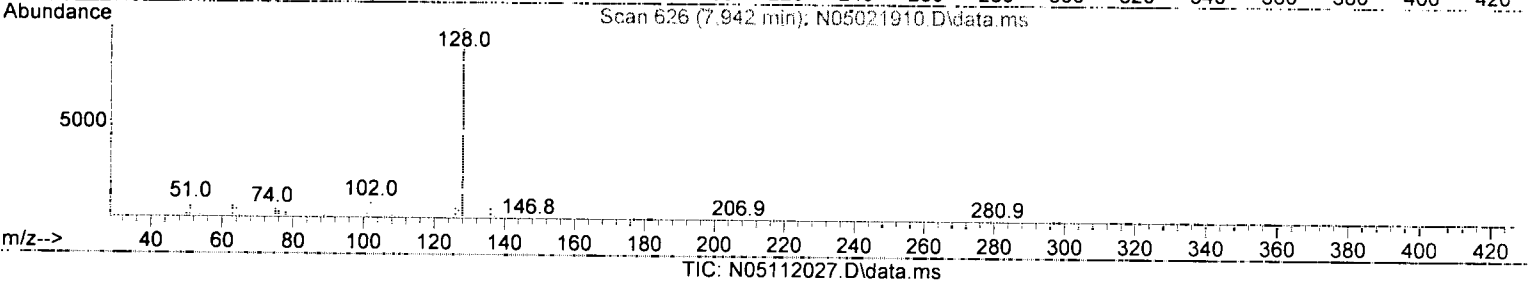
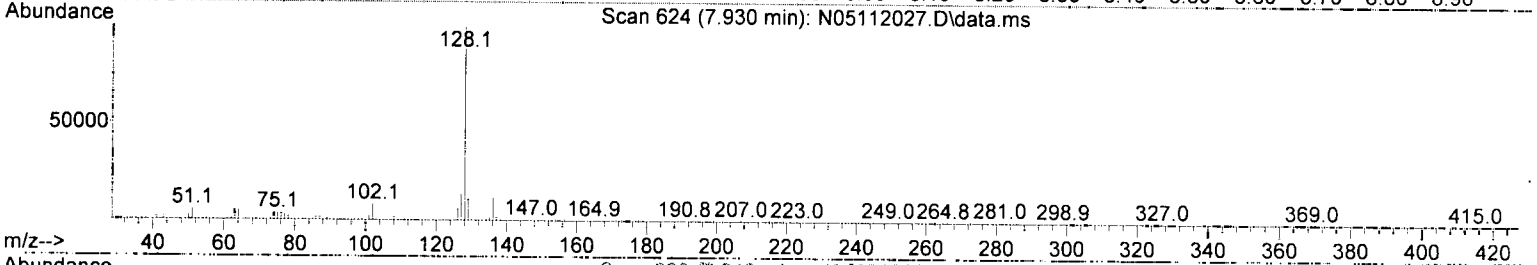
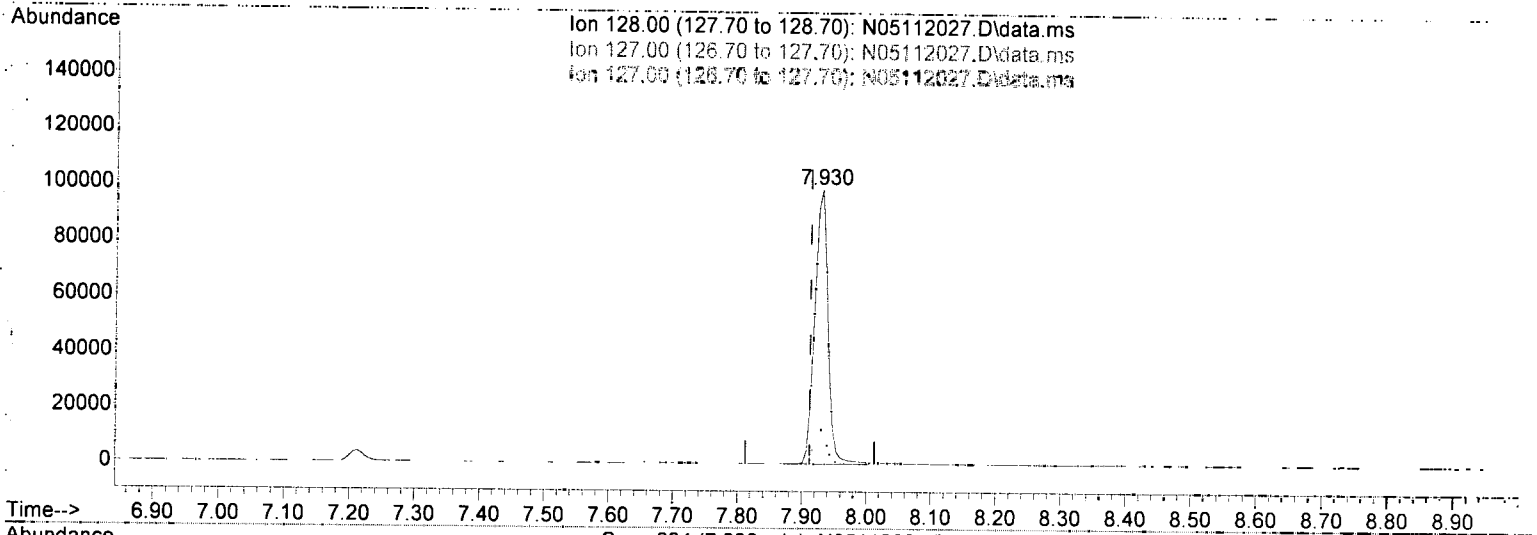
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.907	136	251880	100.00	ng/ml	0.02	
9) Acenaphthene-d10 (ISTD)	9.661	162	161411	100.00	ng/ml	0.01	
16) Phenanthrene-d10 (ISTD)	11.171	188	302120	100.00	ng/ml	0.01	
23) Chrysene-d12 (ISTD)	14.977	240	288862	100.00	ng/ml	0.04	
28) Perylene-d12 (ISTD)	18.462	264	284190	100.00	ng/ml	0.04	
35) Dibenz(a,h)Anthracene-d...	20.852	292	250064	100.00	ng/ml	0.05	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.213	82	11563	14.70	ng/ml	0.02	
10) 2-Fluorobiphenyl (Surr)	8.973	172	46560	18.63	ng/ml	0.02	
25) Terphenyl-d14 (Surr)	12.966	244	58251	20.87	ng/ml	0.02	
Target Compounds							
							Qvalue
3) Decalin	7.329	138	108	0.54	ng/ml#		1
4) Naphthalene	7.930	128	142629	51.99	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	9573	5.20	ng/ml		98
6) 1-Methylnaphthalene	8.711	142	7714	4.22	ng/ml		99
7) 1,1'-Biphenyl	9.072	154	4875	2.10	ng/ml		94
8) 2,6-Dimethylnaphthalene	9.241	156	3601	2.26	ng/ml		97
11) Acenaphthylene	9.521	152	3511	1.17	ng/ml		87
12) Acenaphthene	9.696	153	39517	17.90	ng/ml		99
13) Dibenzofuran	9.871	168	2811	1.05	ng/ml		90
14) 1,6,7-Trimethylnaphtha...	10.075	170	713	0.41	ng/ml#		61
15) Fluorene	10.215	166	11925	5.62	ng/ml		98
17) Dibenzothiopene	11.066	184	7929	2.60	ng/ml		94
18) Phenanthrene	11.194	178	65889	18.95	ng/ml		98
19) Anthracene	11.246	178	10526	3.70	ng/ml		97
20) Carbazole	11.415	167	7869	3.20	ng/ml		97
21) 1-Methylphenanthrene	11.818	192	2144	0.91	ng/ml		82
22) Fluoranthene	12.470	202	22819	6.66	ng/ml		95
24) Pyrene	12.762	202	29365	7.84	ng/ml		98
26) Benz(a)anthracene	14.953	228	4015	1.34	ng/ml		67
27) Chrysene	15.035	228	3869	1.26	ng/ml		91
29) Benzo(b)fluoranthene	17.553	252	3042	1.04	ng/ml		92
30) Benzo(k)fluoranthene	17.553	252	3852	1.32	ng/ml		91
31) Benzo(b+k)fluoranthene	17.553	252	4714	1.53	ng/ml		91
32) Benzo(e)pyrene	18.206	252	2808	0.91	ng/ml#		1
33) Benzo(a)pyrene	18.322	252	3177	1.68	ng/ml		86
34) Perylene	18.526	252	300392	94.97	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.864	276	1960	0.72	ng/ml		63
37) Dibenz(a,h)anthracene	20.910	278	227	N.D.			
38) Benzo(g,h,i)perylene	21.400	276	2697	0.93	ng/ml#		60

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.930min (+ 0.018) 51.99 ng/ml

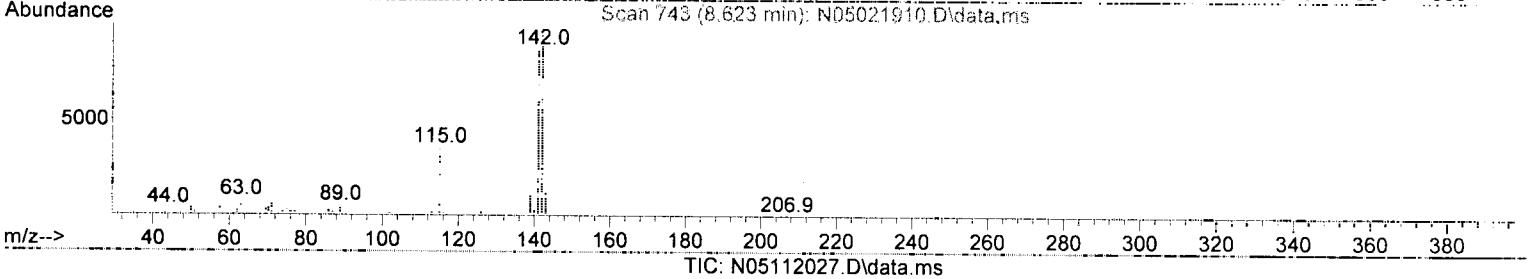
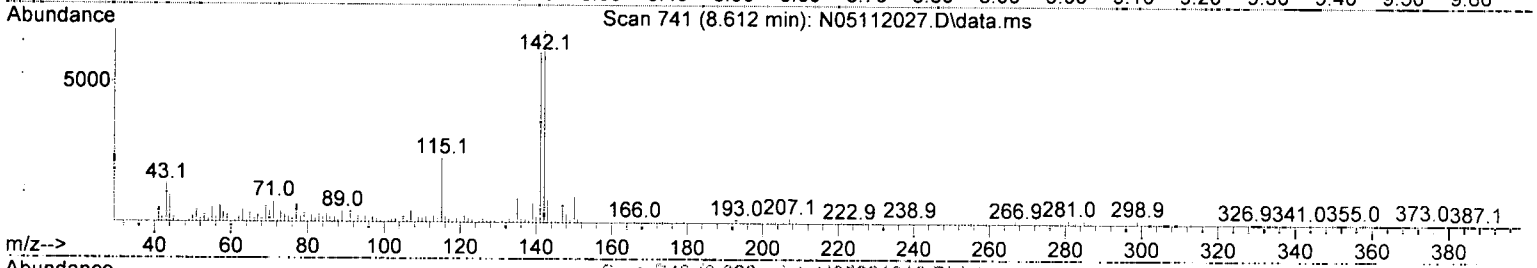
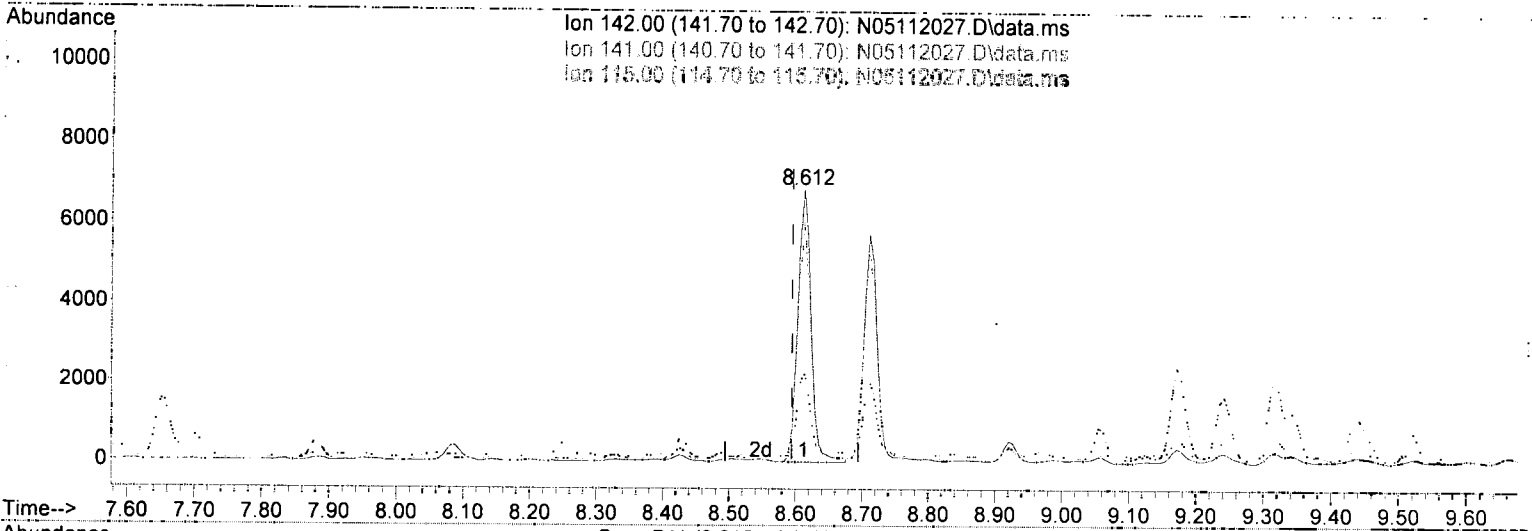
response 142629

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.77
127.00	12.60	12.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(5) 2-Methylnaphthalene (T)

8.612min (+ 0.018) 5.20 ng/ml

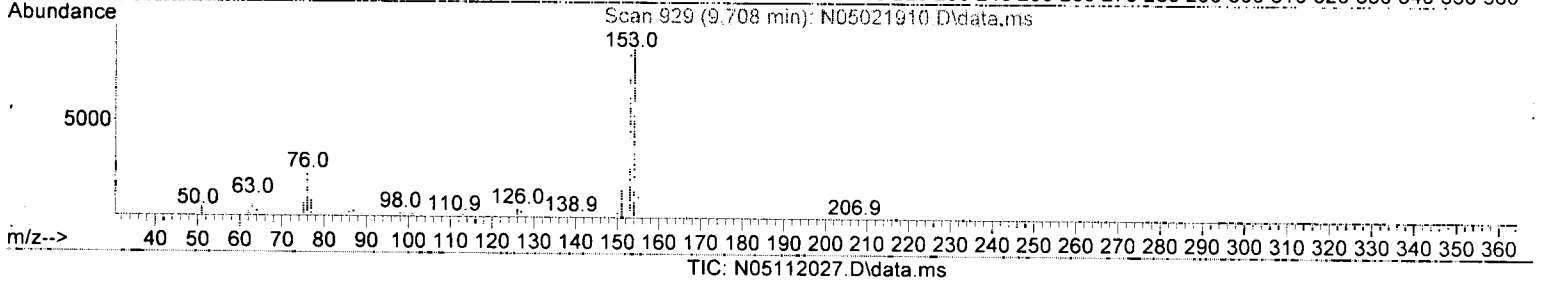
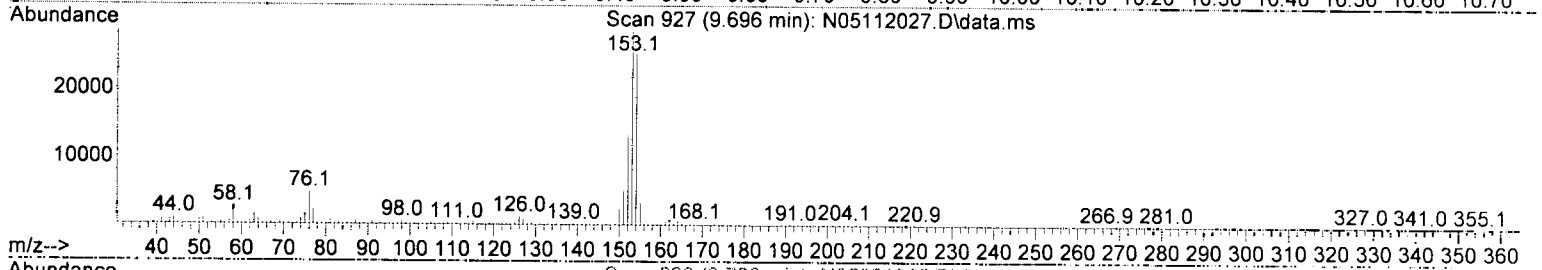
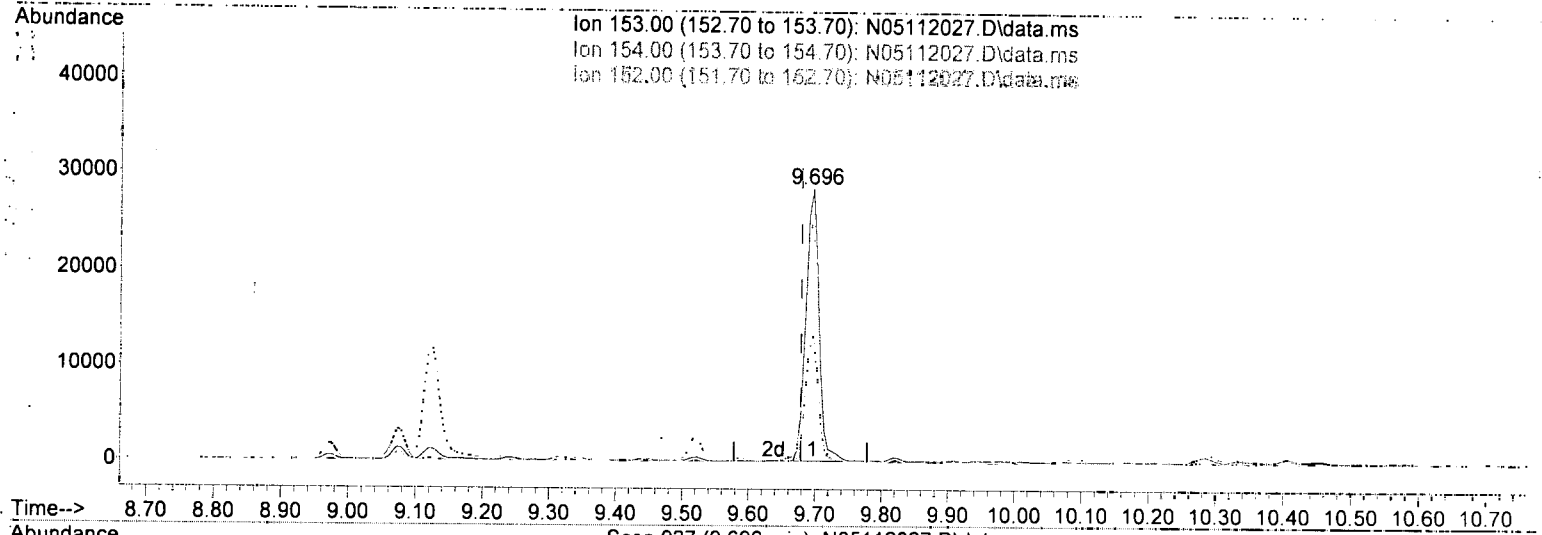
response 9573

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.96
115.00	35.70	33.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(12) Acenaphthene (T)

9.696min (+ 0.018) 17.90 ng/ml

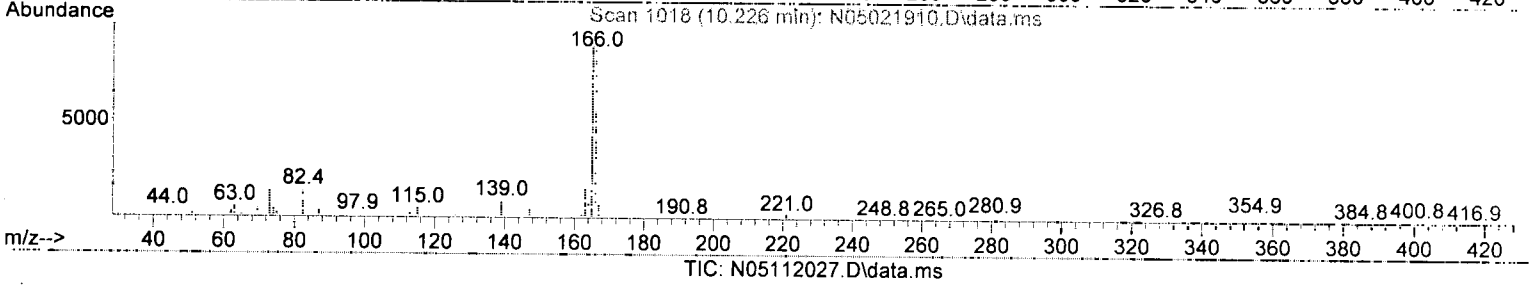
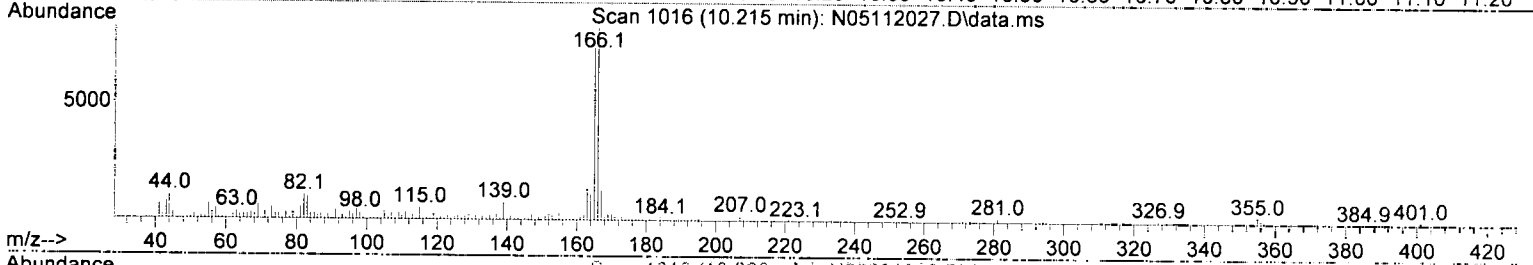
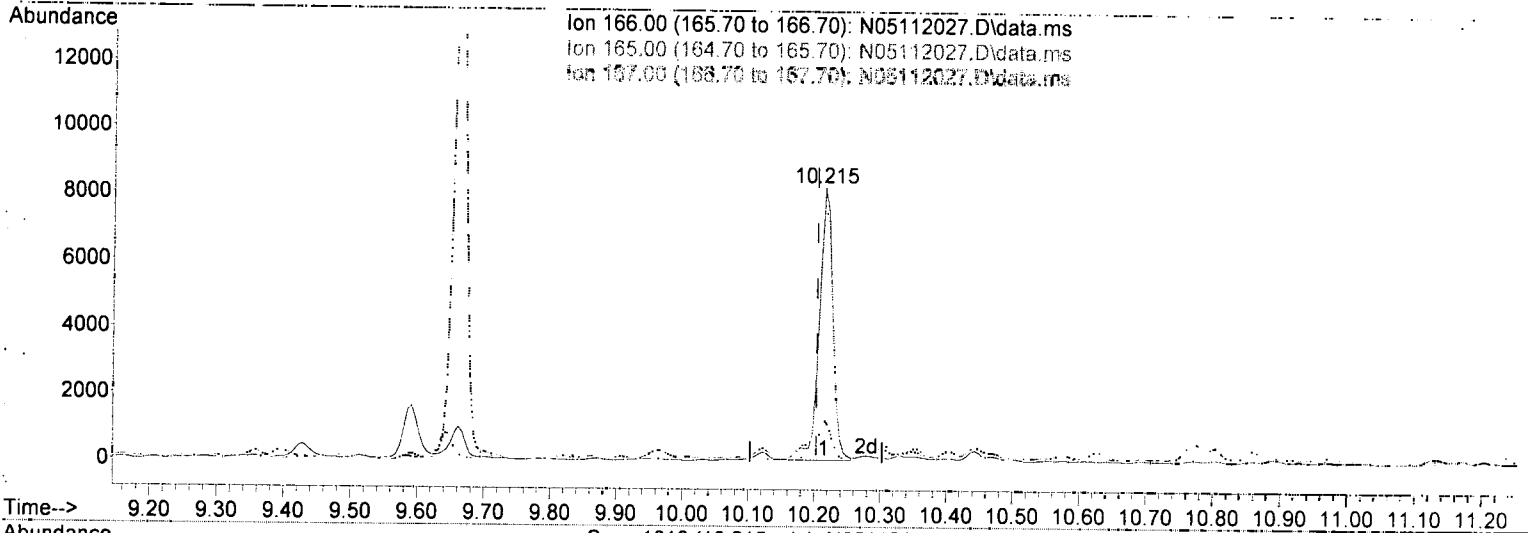
response 39517

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.91
152.00	46.80	46.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(15) Fluorene (T)

10.215min (+ 0.012) 5.62 ng/ml

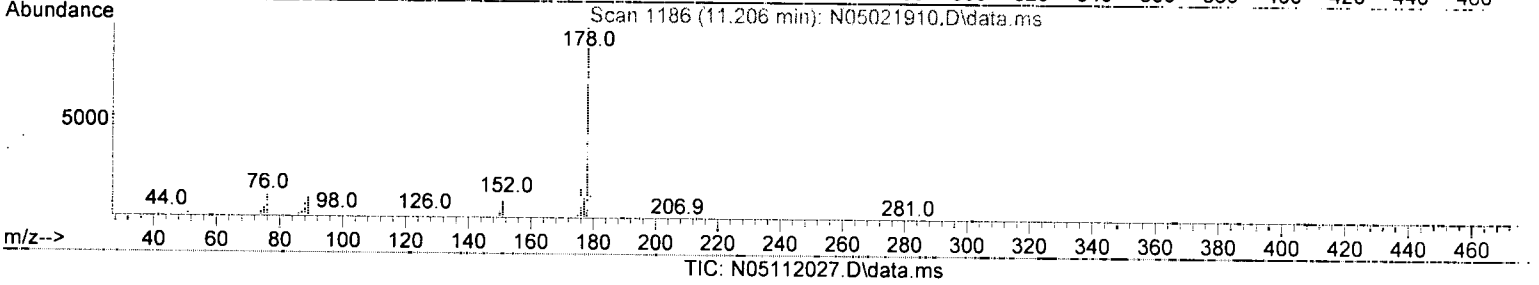
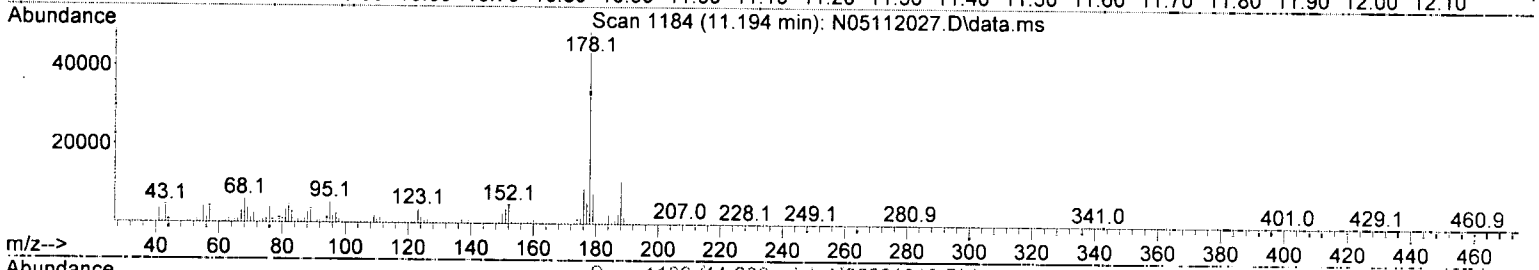
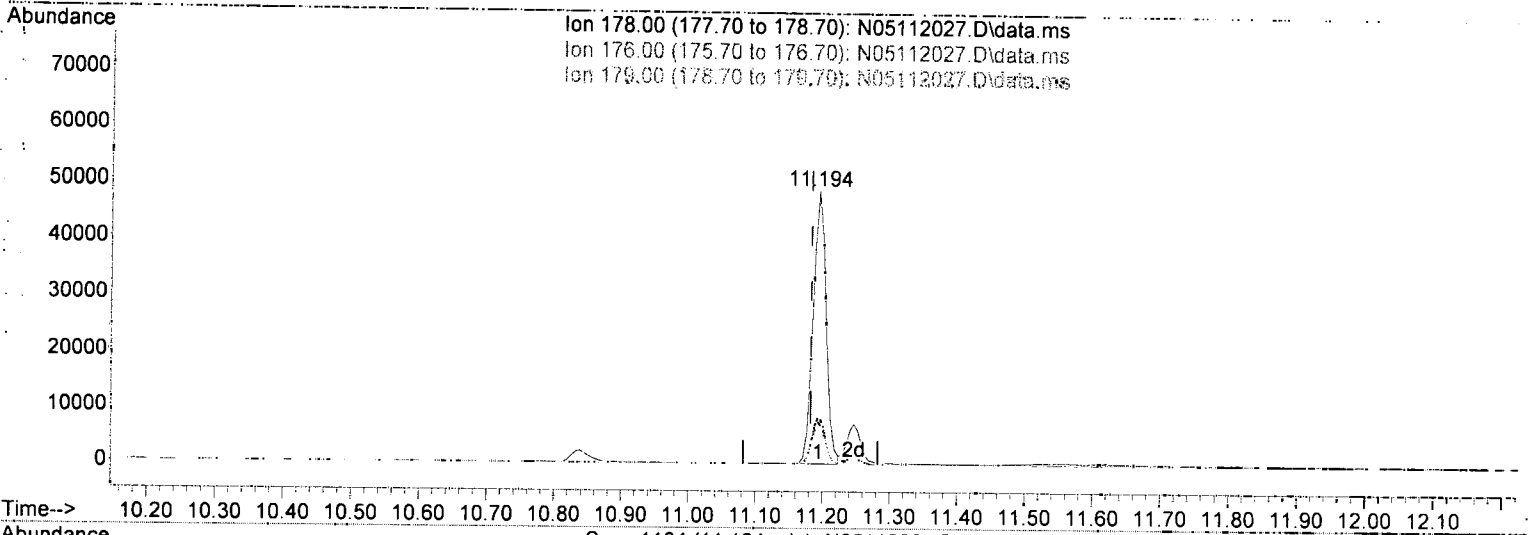
response 11925

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	93.93
167.00	13.60	15.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.194min (+ 0.012) 18.95 ng/ml

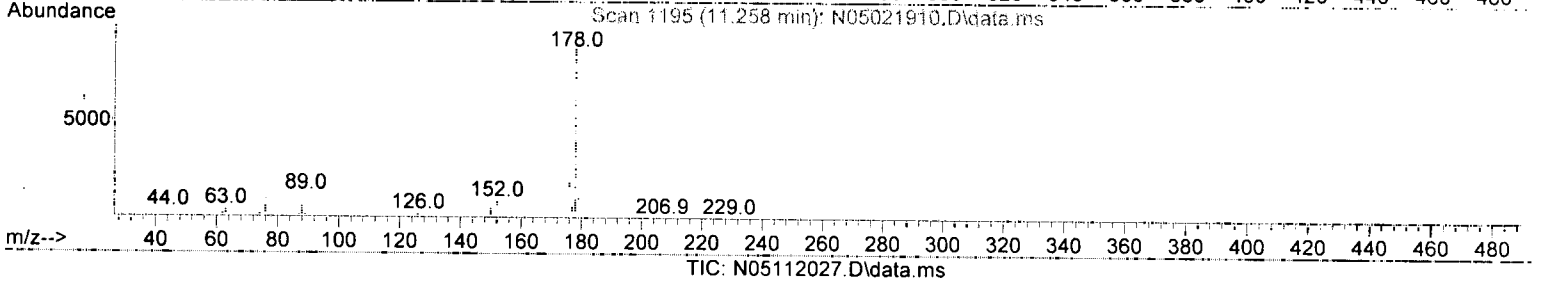
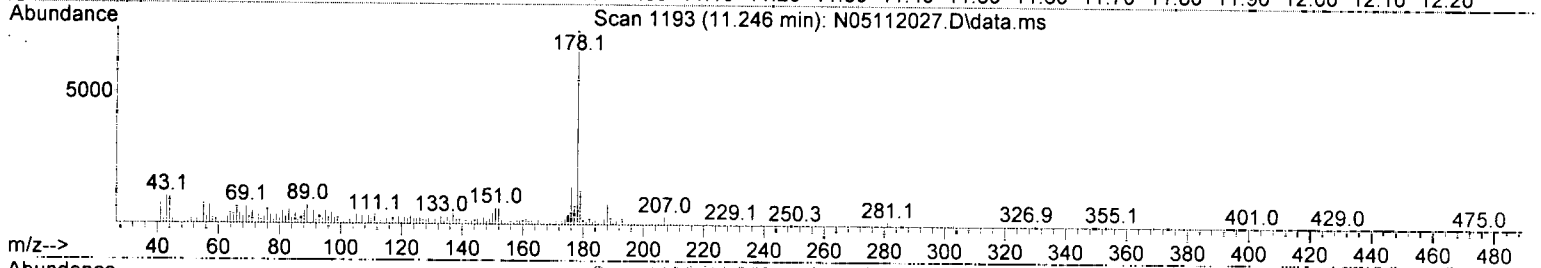
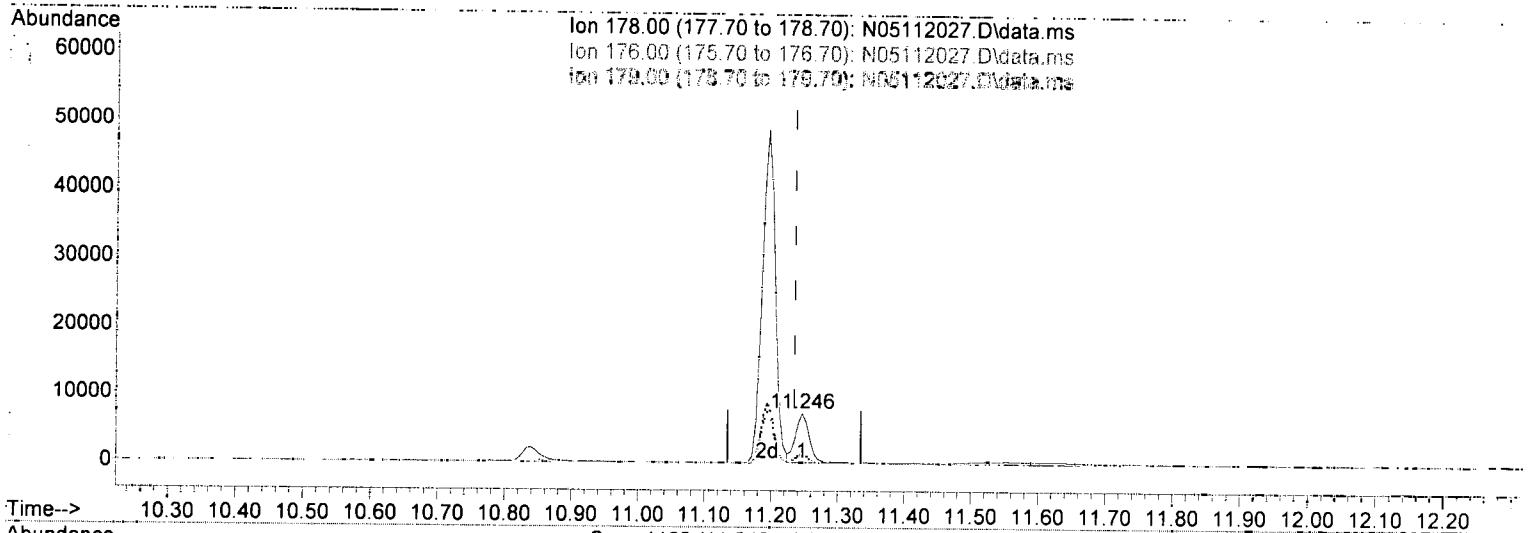
response 65889

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.16
179.00	15.10	15.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(19) Anthracene (T)

11.246min (+ 0.012) 3.70 ng/ml

response 10526

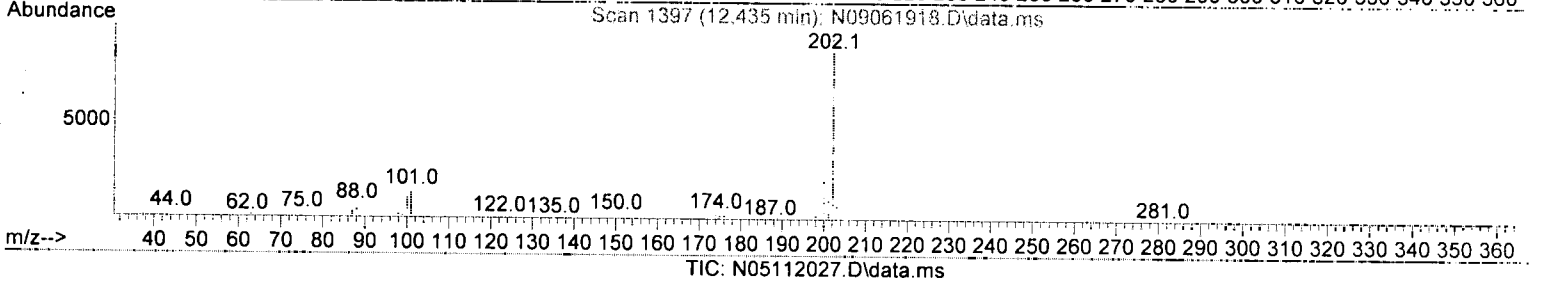
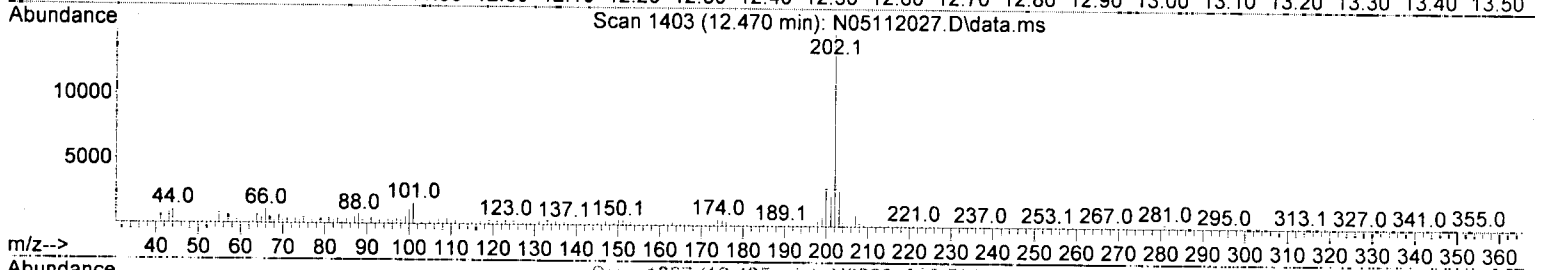
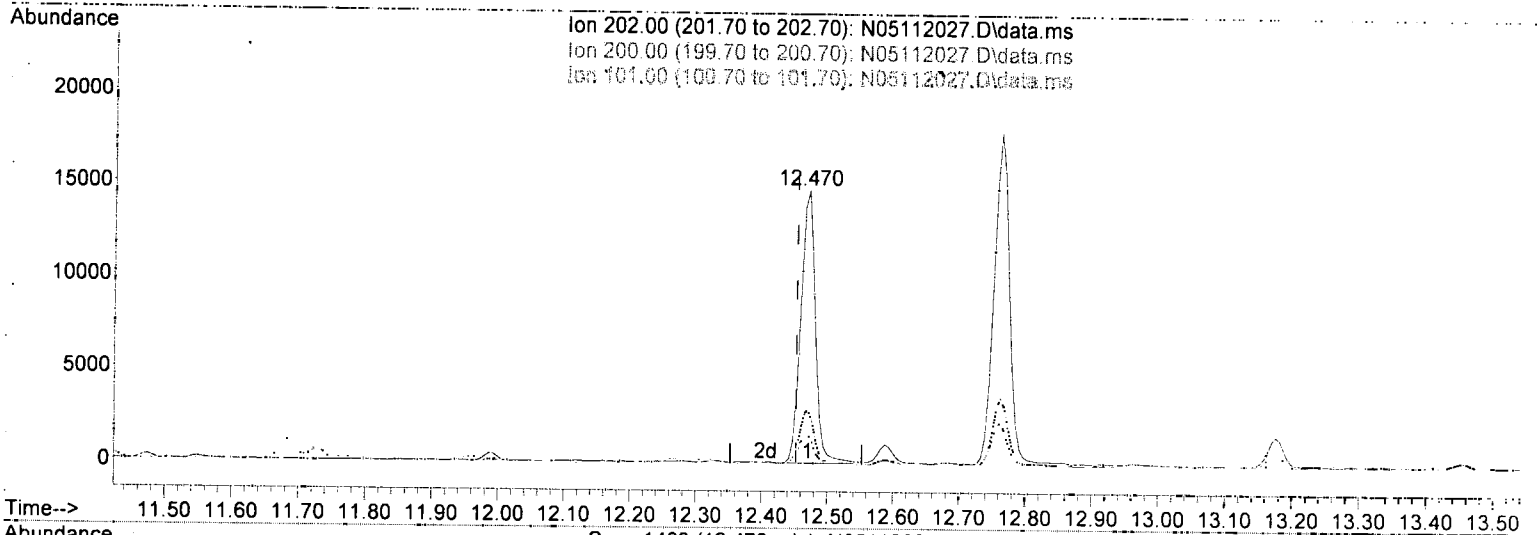
7

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	19.75
179.00	15.30	16.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(22) Fluoranthene (T)

12.470min (+ 0.018) 6.66 ng/ml

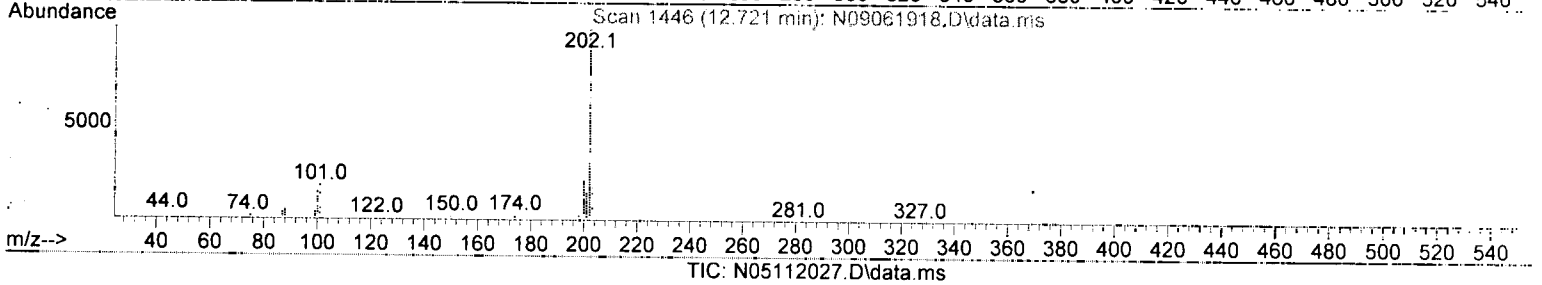
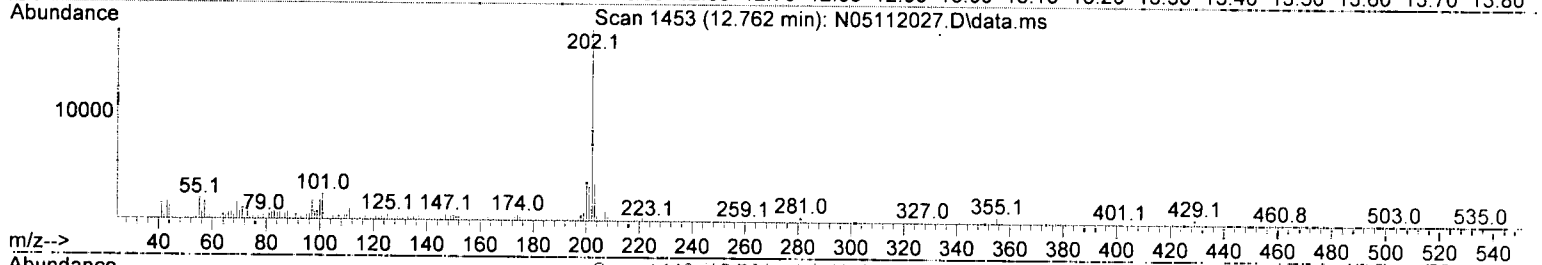
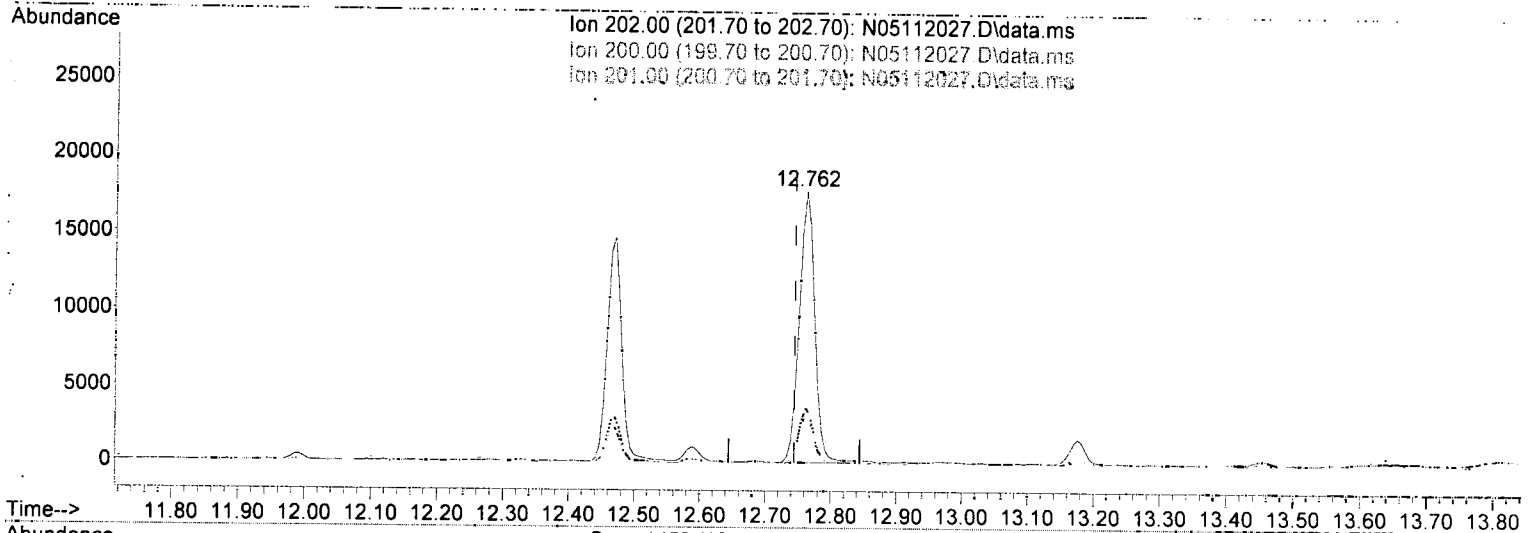
response 22819

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.97
101.00	15.30	10.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(24) Pyrene (T)

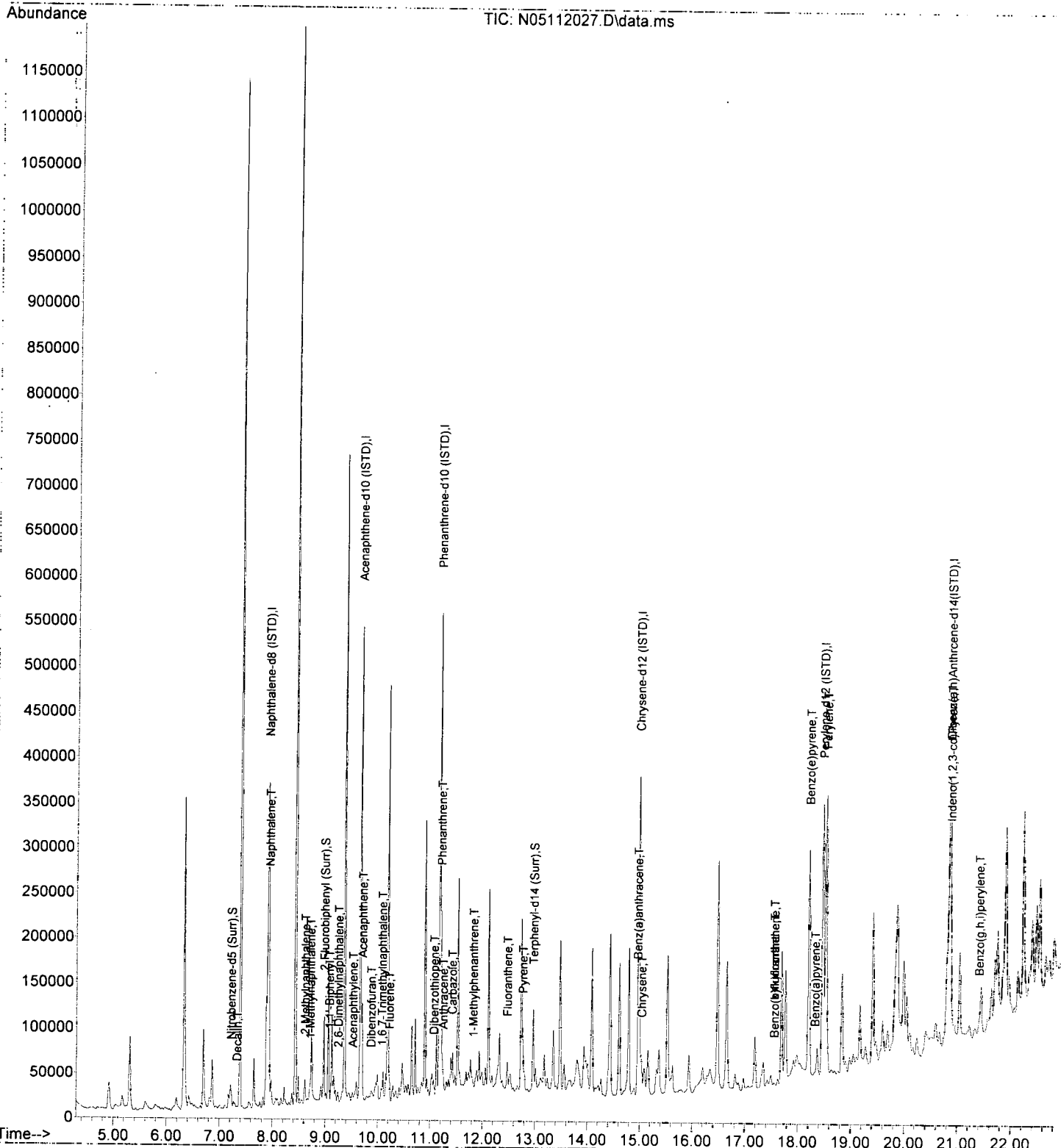
12.762min (+ 0.018) 7.84 ng/ml

response 29365

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.41
201.00	16.80	18.21
0.00	0.00	0.00

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112027.D
 Acq On : 11 May 2020 10:45 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-06RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 09:54:04 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112029.D
 Acq On : 11 May 2020 11:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-02RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Jenn 5/12/20

Quant Time: May 12 09:54:10 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

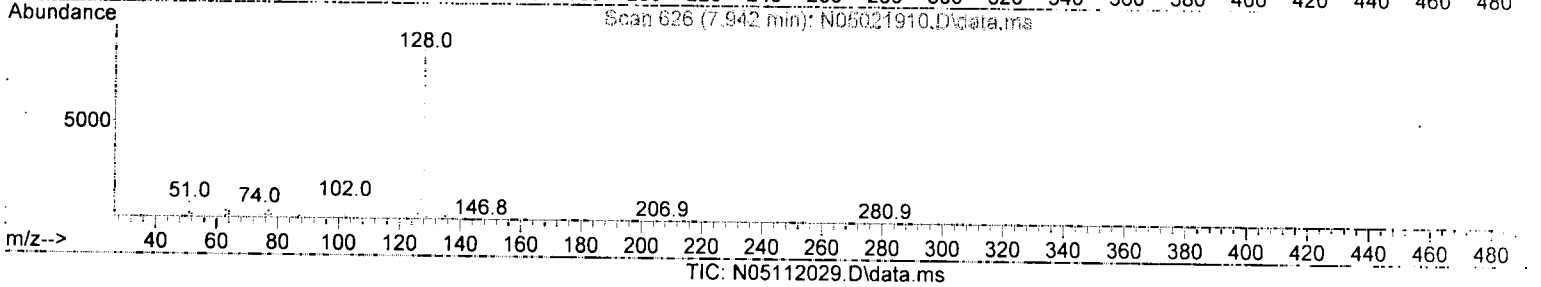
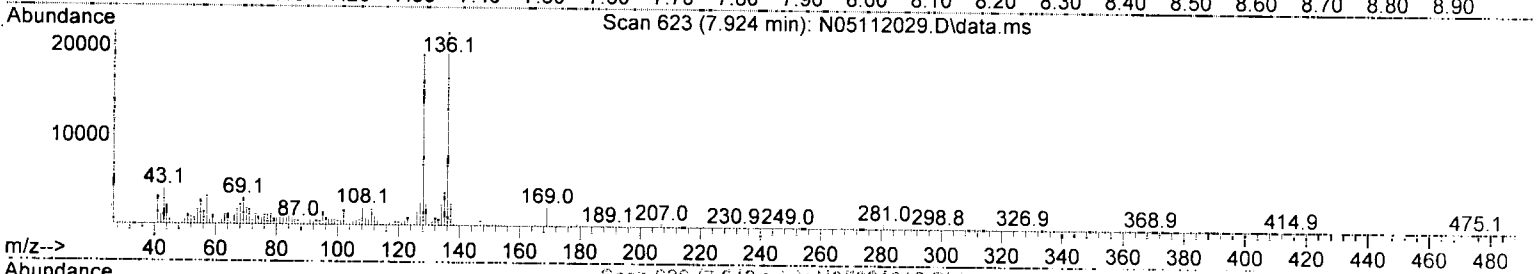
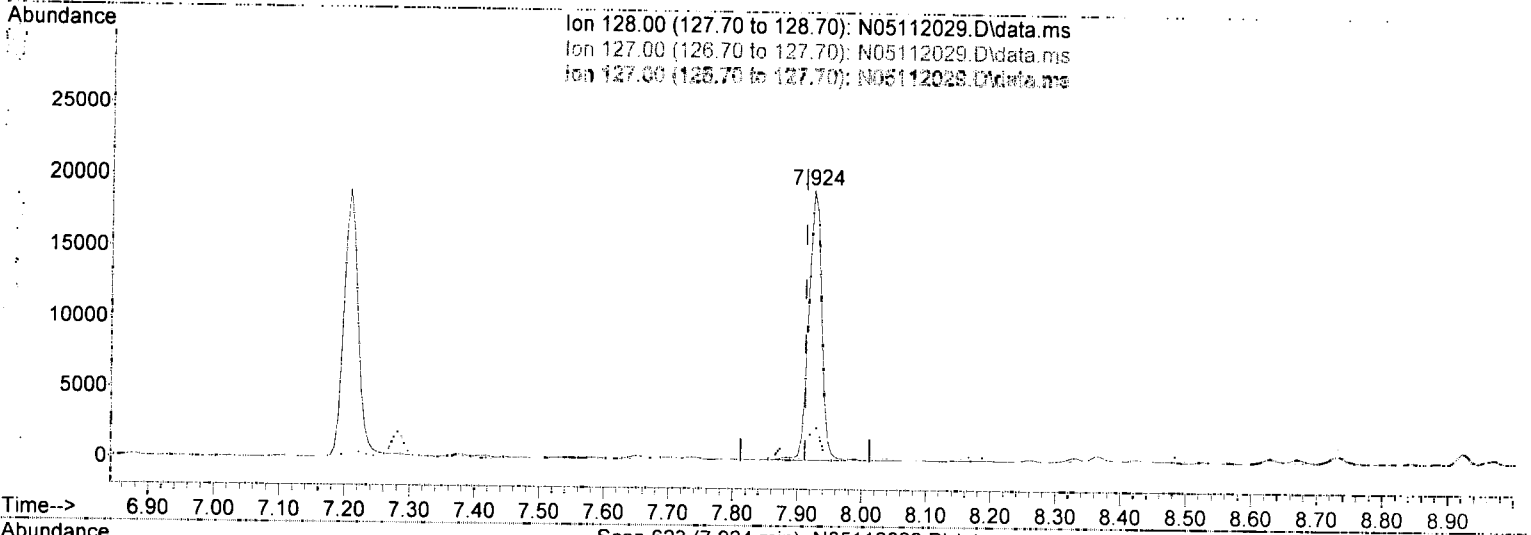
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	261885	100.00	ng/ml	0.02
9) Acenaphthene-d10 (ISTD)	9.661	162	172325	100.00	ng/ml	0.01
16) Phenanthrene-d10 (ISTD)	11.170	188	329233	100.00	ng/ml	0.01
23) Chrysene-d12 (ISTD)	14.982	240	315960	100.00	ng/ml	0.04
28) Perylene-d12 (ISTD)	18.474	264	298892	100.00	ng/ml	0.05
35) Dibenz(a,h)Anthracene-d...	20.863	292	255491	100.00	ng/ml	0.06
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	51269	62.67	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.973	172	190989	71.59	ng/ml	0.02
25) Terphenyl-d14 (Surr)	12.966	244	256589	84.05	ng/ml	0.02
Target Compounds						
						Qvalue
3) Decalin	7.370	138	199	0.95	ng/ml#	1
4) Naphthalene	7.924	128	27007	9.47	ng/ml	97
5) 2-Methylnaphthalene	8.612	142	3100	1.62	ng/ml	92
6) 1-Methylnaphthalene	8.711	142	2522	1.33	ng/ml	93
7) 1,1'-Biphenyl	9.072	154	2845	1.18	ng/ml	75
8) 2,6-Dimethylnaphthalene	9.235	156	4369	2.64	ng/ml	97
11) Acenaphthylene	9.521	152	2050	0.64	ng/ml	48
12) Acenaphthene	9.696	153	3161	1.34	ng/ml	91
13) Dibenzofuran	9.865	168	2584	0.91	ng/ml#	55
14) 1,6,7-Trimethylnaphtha...	10.092	170	1448	0.78	ng/ml#	49
15) Fluorene	10.215	166	2909	1.28	ng/ml	91
17) Dibenzothiopene	11.066	184	2858	0.86	ng/ml#	33
18) Phenanthrene	11.194	178	25026	6.60	ng/ml	91
19) Anthracene	11.246	178	4349	1.40	ng/ml	76
20) Carbazole	11.415	167	2075	0.77	ng/ml#	21
21) 1-Methylphenanthrene	11.817	192	2703	1.06	ng/ml	60
22) Fluoranthene	12.470	202	13240	3.54	ng/ml	95
24) Pyrene	12.762	202	16212	3.96	ng/ml	92
26) Benz(a)anthracene	14.959	228	3682	1.12	ng/ml	53
27) Chrysene	15.035	228	5629	1.67	ng/ml	78
29) Benzo(b)fluoranthene	17.564	252	3982	1.29	ng/ml	52
30) Benzo(k)fluoranthene	17.564	252	4699	1.53	ng/ml	56
31) Benzo(b+k)fluoranthene	17.564	252	6273	1.93	ng/ml	56
32) Benzo(e)pyrene	18.217	252	6967	2.16	ng/ml#	1
33) Benzo(a)pyrene	18.334	252	2759	1.44	ng/ml#	17
34) Perylene	18.544	252	999977	300.58	ng/ml	100
36) Indeno(1,2,3-cd)Pyrene	20.875	276	2824	1.02	ng/ml#	1
37) Dibenz(a,h)anthracene	20.933	278	242	N.D.		
38) Benzo(g,h,i)perylene	21.417	276	2558	0.86	ng/ml#	1

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112029.D
 Acq On : 11 May 2020 11:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-02RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 09:54:10 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.924min (+ 0.012) 9.47 ng/ml

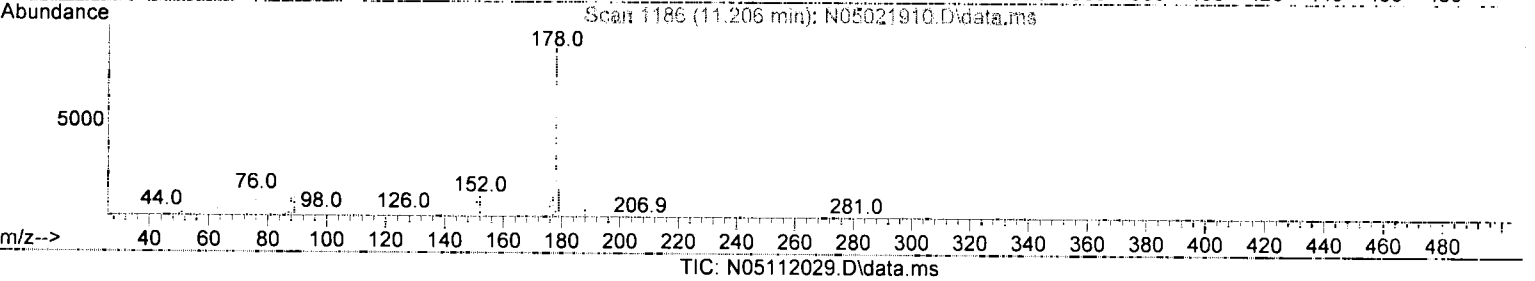
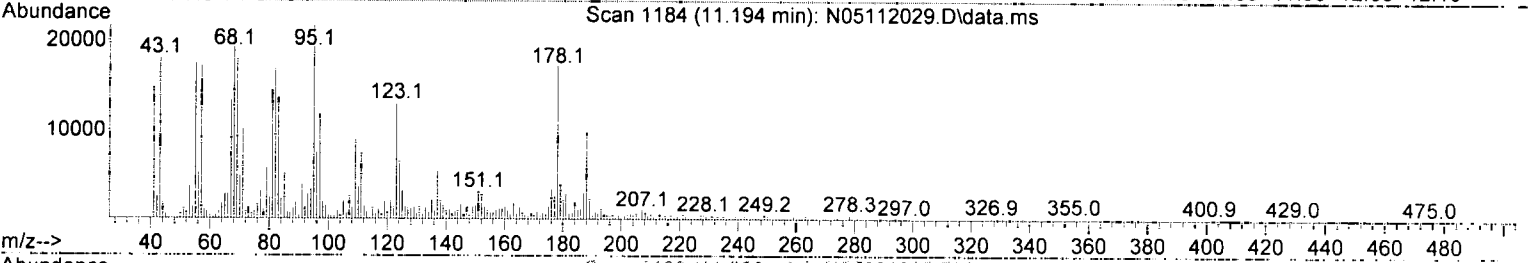
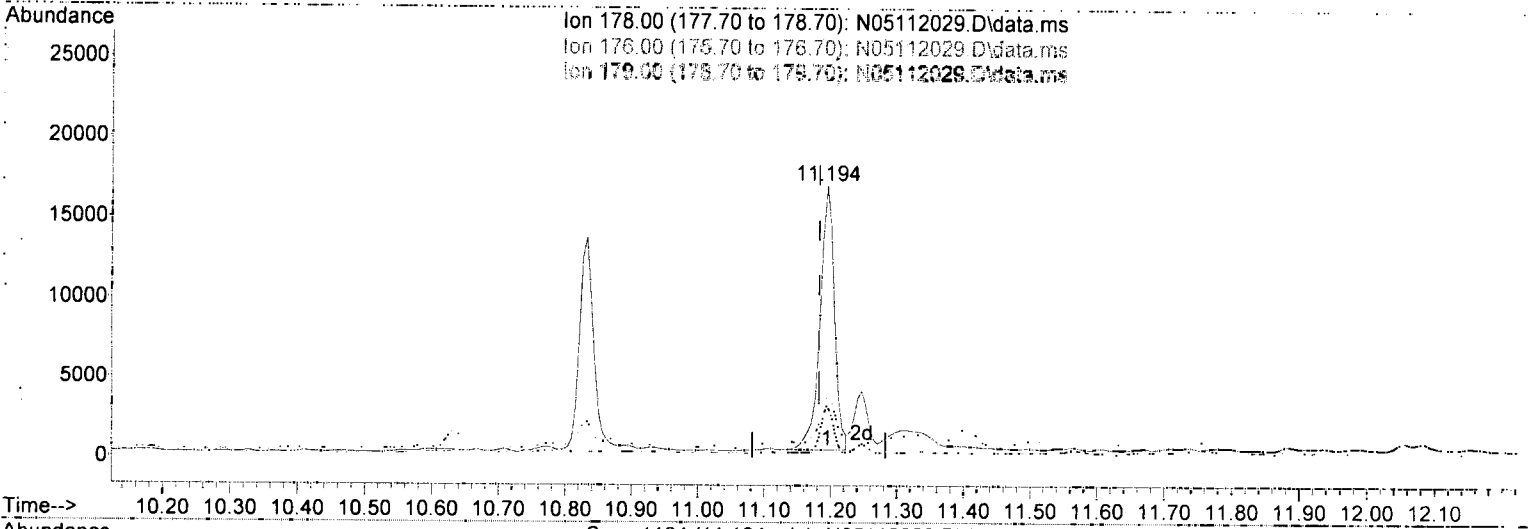
response 27007

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.62
127.00	12.60	13.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112029.D
 Acq On : 11 May 2020 11:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-02RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 09:54:10 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.194min (+ 0.012) 6.60 ng/ml

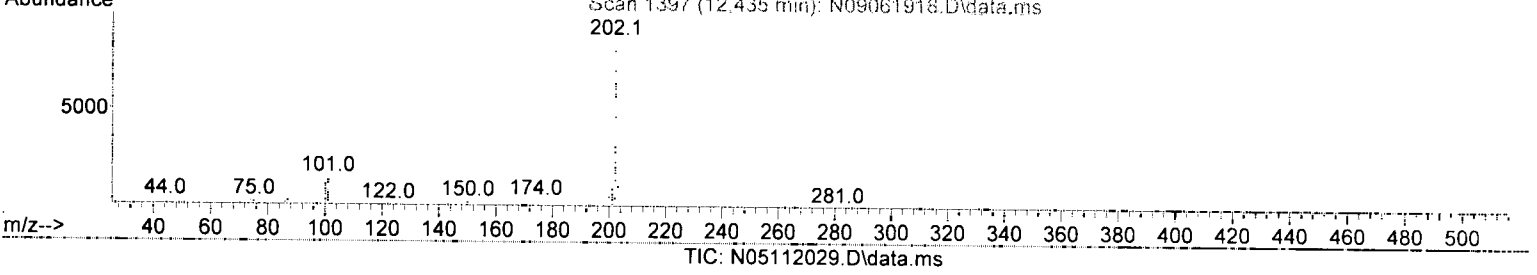
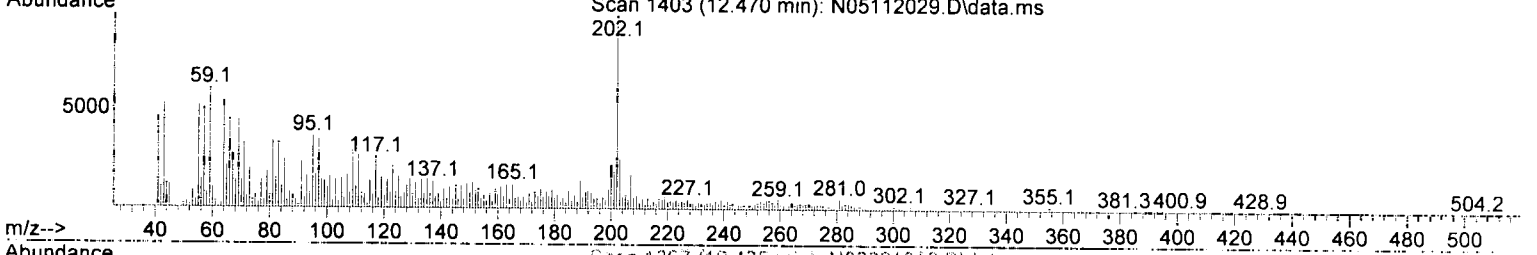
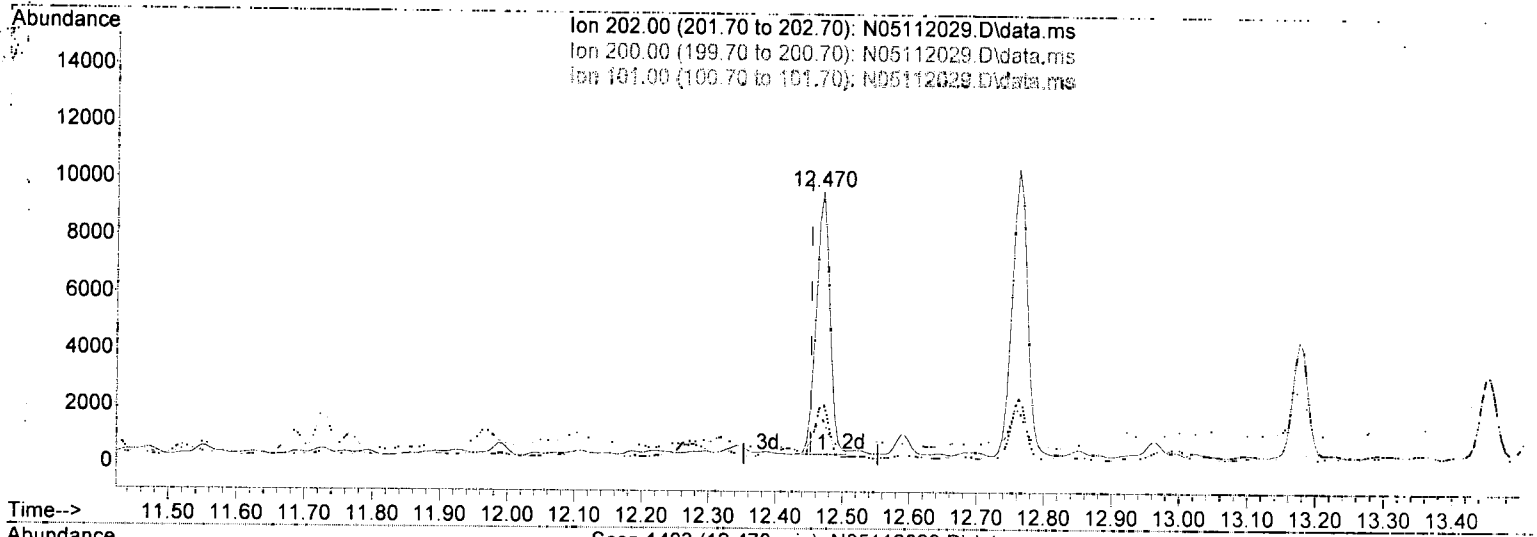
response 25026

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.69
179.00	15.10	22.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
Data File : N05112029.D
Acq On : 11 May 2020 11:47 pm
Operator : JK/ AMS/ DTH
Sample : A0D0763-02RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 09:54:10 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



(22) Fluoranthene (T)

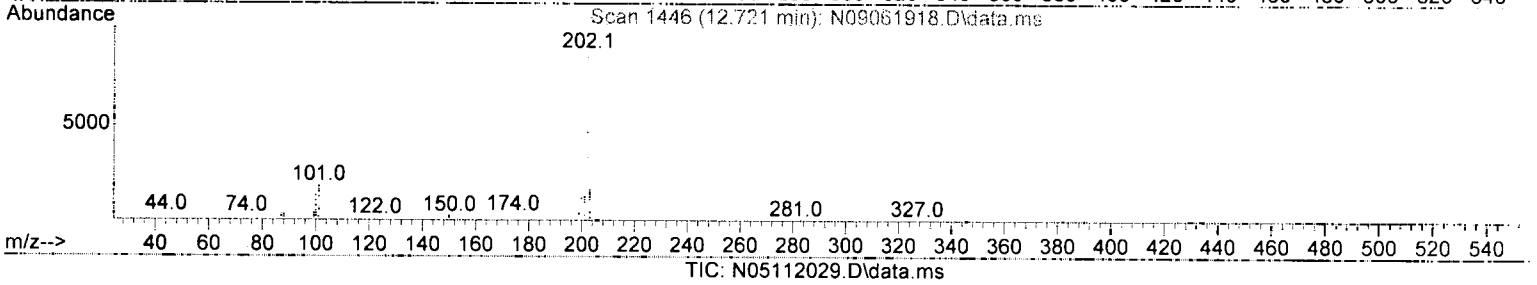
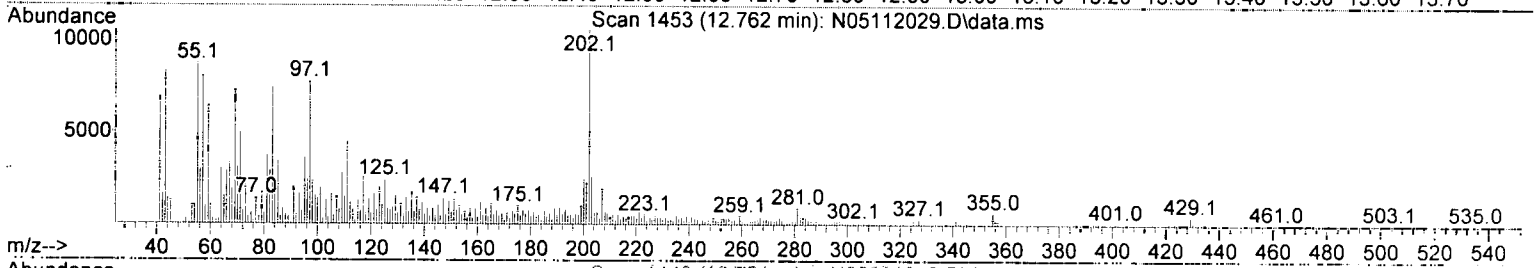
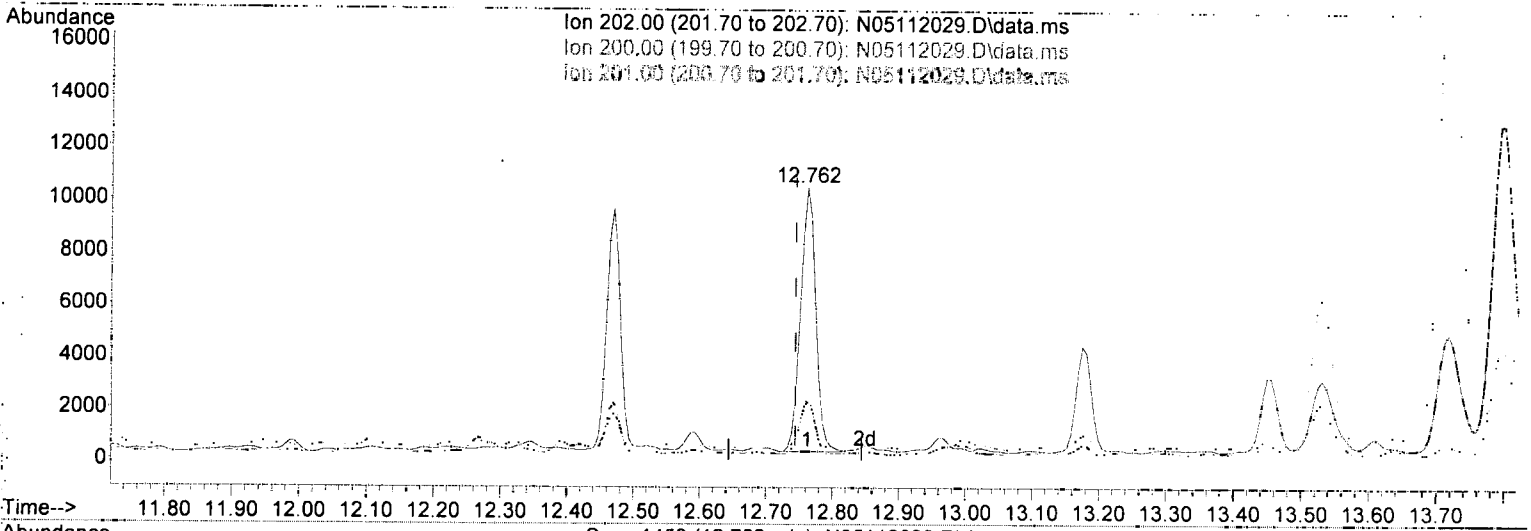
12.470min (+ 0.018)	3.54 ng/ml	
response	13240	
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	22.97
101.00	15.30	16.65
0.00	0.00	0.00

7

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112029.D
 Acq On : 11 May 2020 11:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-02RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 09:54:10 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(24) Pyrene (T)

12.762min (+ 0.018) 3.96 ng/ml

J

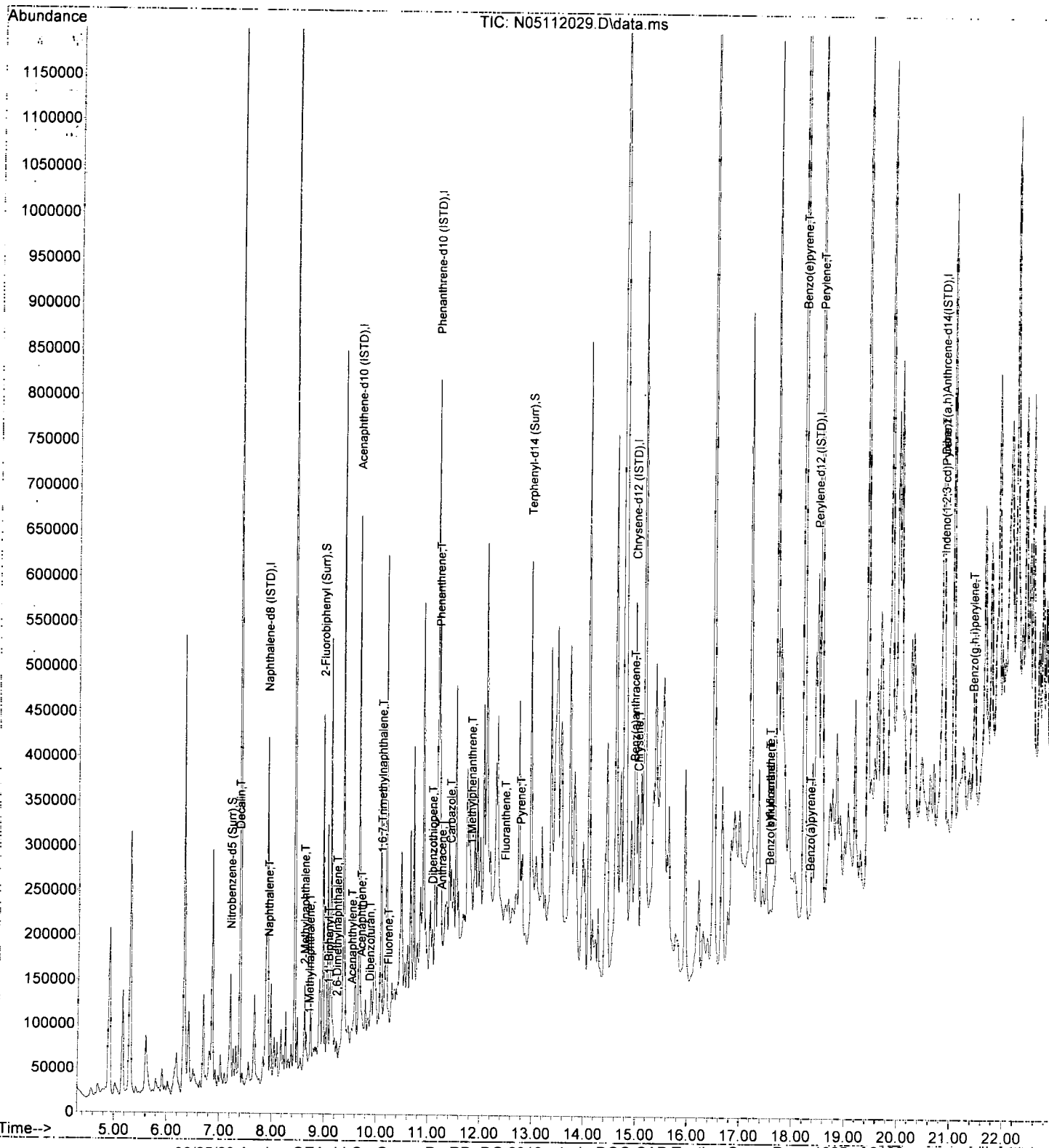
response 16212

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	22.83
201.00	16.80	21.64
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112029.D
 Acq On : 11 May 2020 11:47 pm
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-02RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 12 09:54:10 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112030.D
 Acq On : 12 May 2020 12:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-11RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

June 5/12/20

*1x
 9/12/20*

Quant Time: May 12 09:54:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

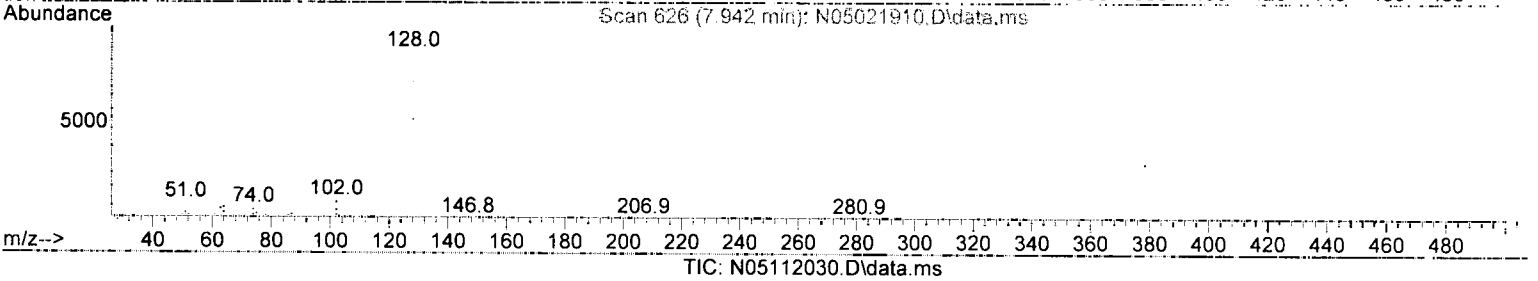
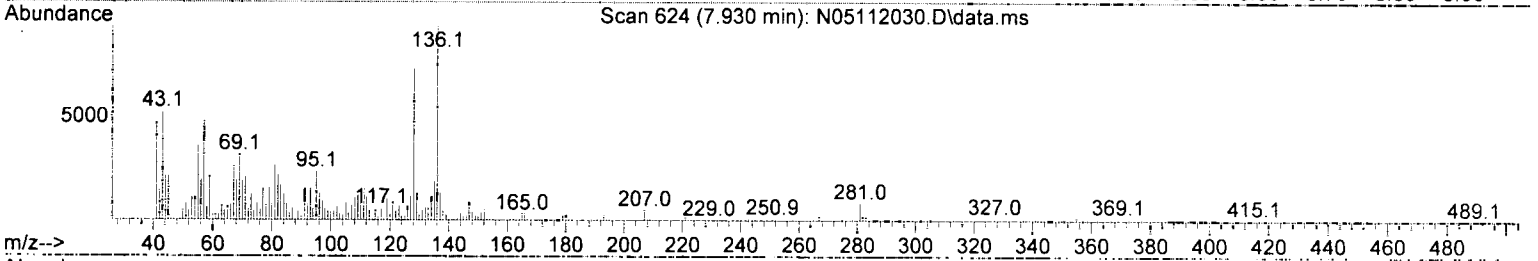
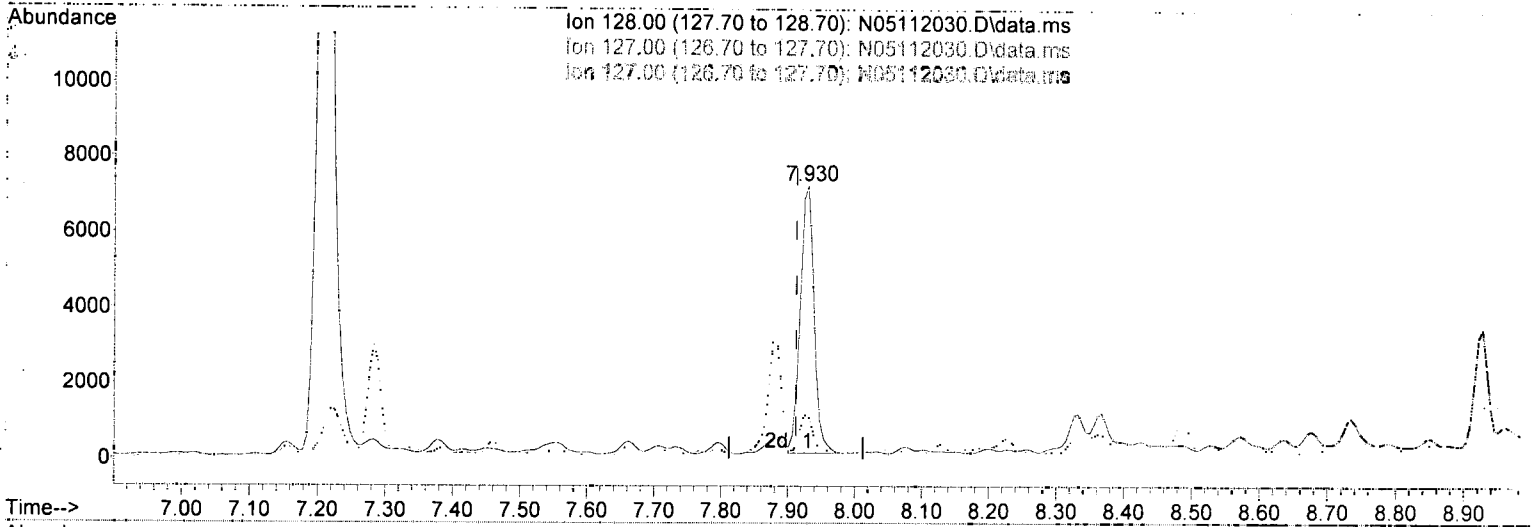
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	271658	100.00	ng/ml	0.02	
9) Acenaphthene-d10 (ISTD)	9.661	162	167181	100.00	ng/ml	0.01	
16) Phenanthrene-d10 (ISTD)	11.170	188	324363	100.00	ng/ml	0.01	
23) Chrysene-d12 (ISTD)	14.994	240	310257	100.00	ng/ml	0.05	
28) Perylene-d12 (ISTD)	18.491	264	287446	100.00	ng/ml	0.07	
35) Dibenz(a,h)Anthracene-d...	20.904	292	247786	100.00	ng/ml	0.10	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	59465	70.07	ng/ml	0.01	
10) 2-Fluorobiphenyl (Surr)	8.973	172	207209	80.06	ng/ml	0.02	
25) Terphenyl-d14 (Surr)	12.972	244	278349	92.85	ng/ml	0.02	
Target Compounds							
3) Decalin	7.382	138	255	1.17	ng/ml#	1	
4) Naphthalene	7.930	128	10171	3.44	ng/ml	91	
5) 2-Methylnaphthalene	8.612	142	2576	1.30	ng/ml	82	
6) 1-Methylnaphthalene	8.711	142	2252	1.14	ng/ml	82	
7) 1,1'-Biphenyl	9.072	154	3264	1.30	ng/ml	81	
8) 2,6-Dimethylnaphthalene	9.241	156	4845	2.82	ng/ml	95	
11) Acenaphthylene	9.521	152	757	N.D.			
12) Acenaphthene	9.696	153	1719	0.75	ng/ml	79	
13) Dibenzofuran	9.871	168	1179	0.43	ng/ml#	17	
14) 1,6,7-Trimethylnaphtha...	10.092	170	1022	0.57	ng/ml#	8	
15) Fluorene	10.215	166	1682	0.76	ng/ml	92	
17) Dibenzothiopene	11.071	184	959	N.D.			
18) Phenanthrene	11.200	178	7674	2.06	ng/ml#	57	
19) Anthracene	11.246	178	5127	1.68	ng/ml	70	
20) Carbazole	11.421	167	1281	0.49	ng/ml#	1	
21) 1-Methylphenanthrene	11.823	192	2256	0.90	ng/ml#	32	
22) Fluoranthene	12.470	202	7180	1.95	ng/ml	76	
24) Pyrene	12.768	202	6583	1.64	ng/ml	75	
26) Benz(a)anthracene	14.971	228	2850	0.89	ng/ml#	9	
27) Chrysene	15.052	228	3449	1.04	ng/ml#	43	
29) Benzo(b)fluoranthene	17.588	252	3434	1.16	ng/ml#	1	
30) Benzo(k)fluoranthene	17.588	252	3751	1.27	ng/ml#	1	
31) Benzo(b+k)fluoranthene	17.588	252	6527	2.09	ng/ml#	1	
32) Benzo(e)pyrene	18.241	252	9242	2.97	ng/ml#	1	
33) Benzo(a)pyrene	18.346	252	1402	0.91	ng/ml#	1	
34) Perylene	18.555	252	328698	102.74	ng/ml	100	
36) Indeno(1,2,3-cd)Pyrene	20.922	276	3105	1.15	ng/ml#	1	
37) Dibenz(a,h)anthracene	20.974	278	112	N.D.			
38) Benzo(g,h,i)perylene	21.452	276	1373	0.48	ng/ml#	1	

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112030.D
 Acq On : 12 May 2020 12:18 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-11RE1
 Misc : 1x, 8270D LL PAH ONLY
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 12 09:54:15 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(4) Naphthalene (T)

7.930min (+ 0.018) 3.44 ng/ml

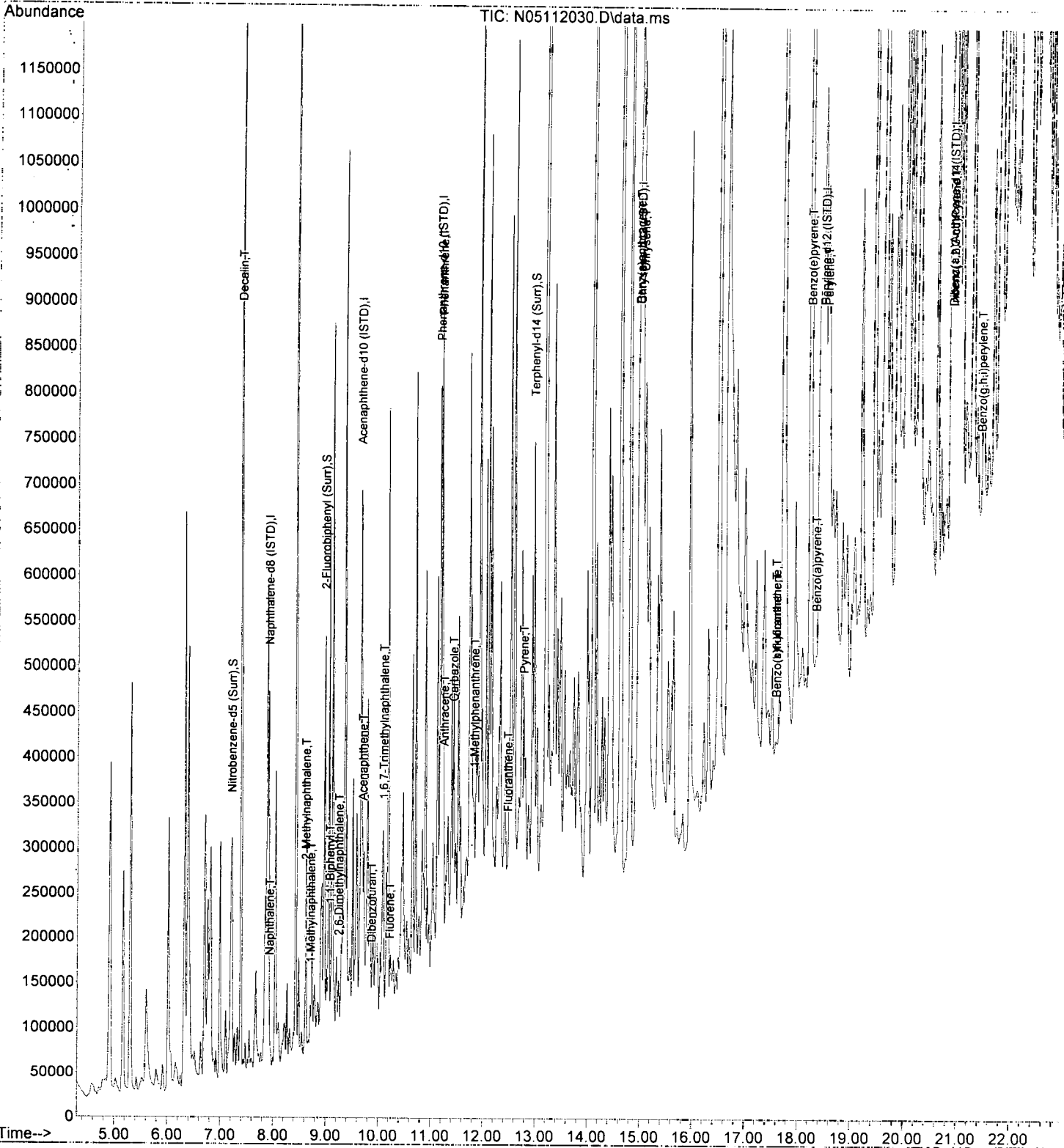
response 10171

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	16.22
127.00	12.60	16.22
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
Data File : N05112030.D
Acq On : 12 May 2020 12:18 am
Operator : JK/ AMS/ DTH
Sample : A0D0763-11RE1
Misc : 1x, 8270D LL PAH ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 12 09:54:15 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112036.D
 Acq On : 12 May 2020 03:23 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-09RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 23 Sample Multiplier: 1

AML 5712/20

R04

Quant Time: May 12 09:54:39 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.907	136	243128	100.00	ng/ml	0.02
9) Acenaphthene-d10 (ISTD)	9.667	162	150630	100.00	ng/ml	0.02
16) Phenanthrene-d10 (ISTD)	11.176	188	278938	100.00	ng/ml	0.02
23) Chrysene-d12 (ISTD)	14.994	240	260426	100.00	ng/ml	0.05
28) Perylene-d12 (ISTD)	18.491	264	234635	100.00	ng/ml	0.07
35) Dibenz(a,h)Anthracene-d...	20.893	292	200529	100.00	ng/ml	0.09
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.207	82	12159	16.01	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.973	172	38902	16.68	ng/ml	0.02
25) Terphenyl-d14 (Surr)	12.972	244	48831	19.41	ng/ml	0.02
Target Compounds						
						Qvalue
3) Decalin	7.382	138	159	0.82	ng/ml#	1
4) Naphthalene	7.930	128	3192	1.21	ng/ml	83
5) 2-Methylnaphthalene	8.612	142	947	0.53	ng/ml#	78
6) 1-Methylnaphthalene	8.711	142	1072	0.61	ng/ml#	68
7) 1,1'-Biphenyl	9.072	154	1149	0.51	ng/ml	91
8) 2,6-Dimethylnaphthalene	9.241	156	3874	2.52	ng/ml	97
11) Acenaphthylene	9.521	152	611	N.D.		
12) Acenaphthene	9.696	153	1150	0.56	ng/ml	77
13) Dibenzofuran	9.871	168	421	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.092	170	633	N.D.		
15) Fluorene	10.221	166	1072	0.54	ng/ml	91
17) Dibenzothiopene	11.072	184	986	N.D.		
18) Phenanthrene	11.200	178	11167	(3.48)	ng/ml	82
19) Anthracene	11.246	178	2614	0.99	ng/ml	64
20) Carbazole	11.421	167	553	N.D.		
21) 1-Methylphenanthrene	11.823	192	1198	0.55	ng/ml	68
22) Fluoranthene	12.476	202	6215	1.96	ng/ml	93
24) Pyrene	12.768	202	7387	2.19	ng/ml	84
26) Benz(a)anthracene	14.971	228	1929	0.71	ng/ml#	30
27) Chrysene	15.052	228	2620	0.94	ng/ml#	53
29) Benzo(b)fluoranthene	17.582	252	1775	0.73	ng/ml#	1
30) Benzo(k)fluoranthene	17.582	252	2402	0.99	ng/ml#	1
31) Benzo(b+k)fluoranthene	17.582	252	4318	1.69	ng/ml#	1
32) Benzo(e)pyrene	18.229	252	5936	2.34	ng/ml#	1
33) Benzo(a)pyrene	18.352	252	1866	1.29	ng/ml#	1
34) Perylene	18.555	252	99628	38.15	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.910	276	2209	1.01	ng/ml#	1
37) Dibenz(a,h)anthracene	20.922	278	680	N.D.		
38) Benzo(g,h,i)perylene	21.441	276	1408	0.60	ng/ml#	1

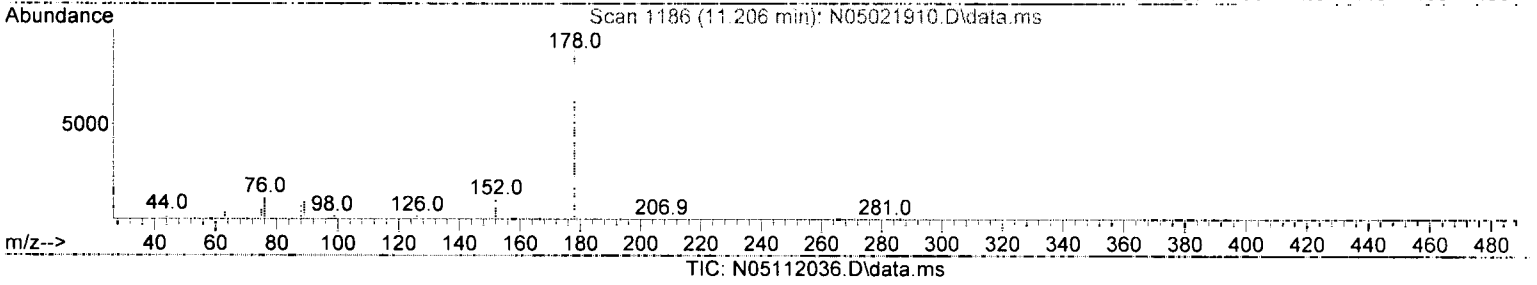
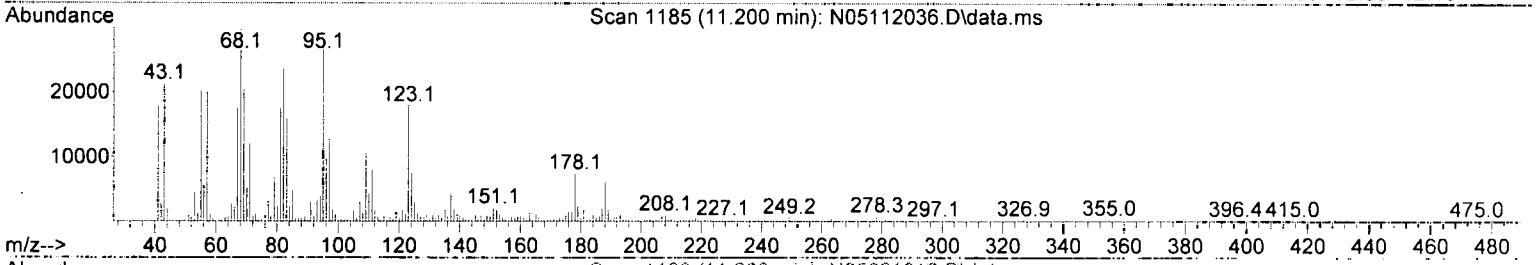
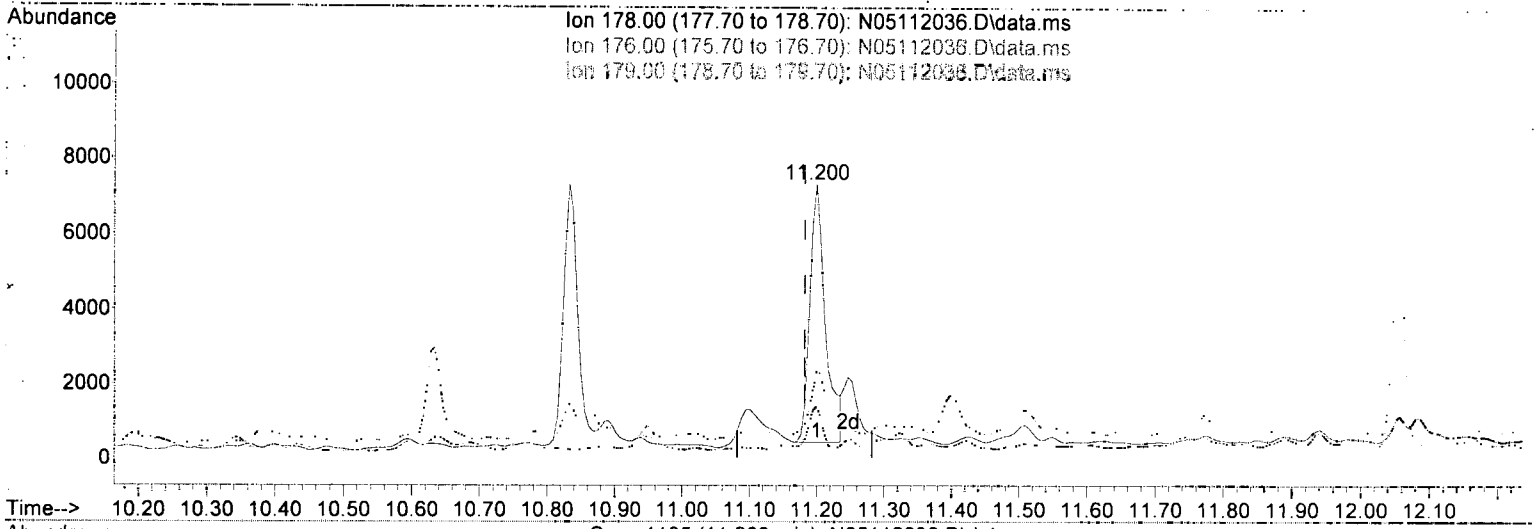
j

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112036.D
 Acq On : 12 May 2020 03:23 am
 Operator : JK/ AMS/ DTH
 Sample : A0D0763-09RE1@5
 Misc : 5x, 8270D LL PAH ONLY
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 12 09:54:39 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

11.200min (+ 0.018) 3.48 ng/ml

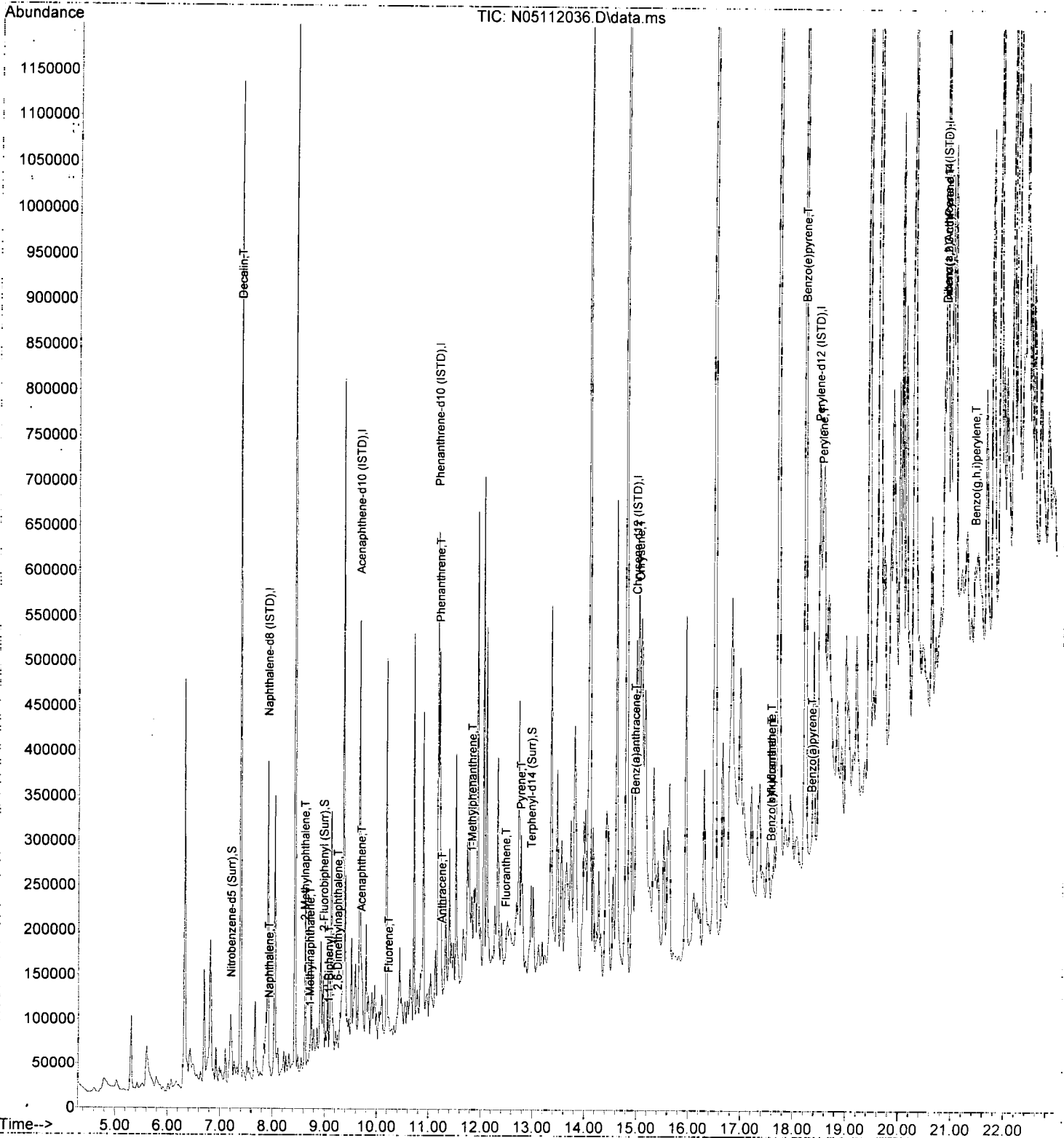
response 11167

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.28
179.00	15.10	31.79
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-05\0E11050\
Data File : N05112036.D
Acq On : 12 May 2020 03:23 am
Operator : JK/ AMS/ DTH
Sample : A0D0763-09RE1@5
Misc : 5x, 8270D LL PAH ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant. Time: May 12 09:54:39 2020
Quant Method : R:\methods\SV14_040720_PAHR2.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri May 08 09:24:35 2020
Response via : Initial Calibration



Data Path : R:\data\2020-05\0E11050\
 Data File : N05112037.D
 Acq On : 12 May 2020 03:54 am
 Operator : JK/ AMS/ DTH
 Sample : A000677-10RE1@4
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1

A000763 gpl 5/13/20

Heal 5/12/20

R04

Quant Time: May 12 09:54:43 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration

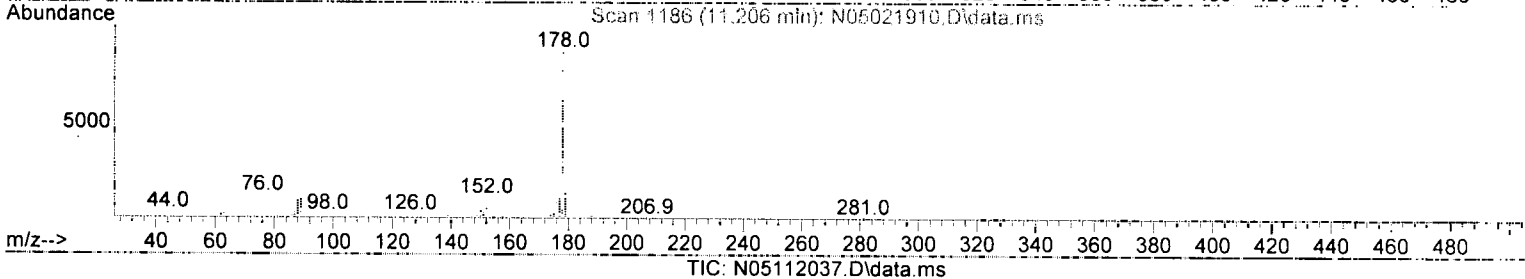
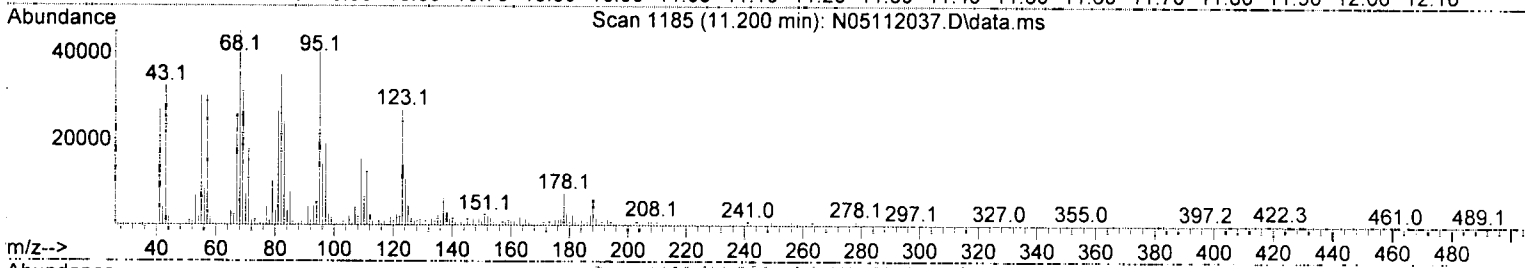
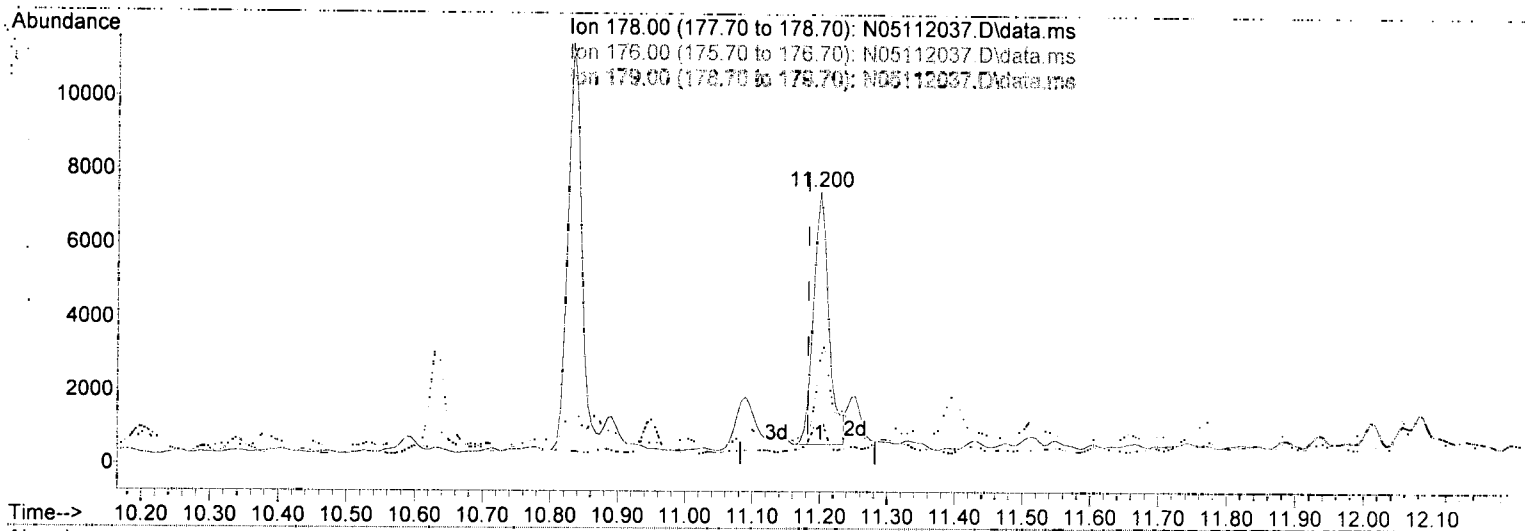
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	213818	100.00	ng/ml	0.02
9) Acenaphthene-d10 (ISTD)	9.667	162	126570	100.00	ng/ml	0.02
16) Phenanthrene-d10 (ISTD)	11.176	188	235808	100.00	ng/ml	0.02
23) Chrysene-d12 (ISTD)	14.994	240	220764	100.00	ng/ml	0.05
28) Perylene-d12 (ISTD)	18.497	264	199201	100.00	ng/ml	0.08
35) Dibenz(a,h)Anthracene-d...	20.898	292	171742	100.00	ng/ml	0.09
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.213	82	13327	19.95	ng/ml	0.02
10) 2-Fluorobiphenyl (Surr)	8.973	172	39294	20.05	ng/ml	0.02
25) Terphenyl-d14 (Surr)	12.972	244	49389	23.15	ng/ml	0.02
Target Compounds						
						Qvalue
3) Decalin	7.376	138	207	1.21	ng/ml#	1
4) Naphthalene	7.930	128	4690	2.01	ng/ml	90
5) 2-Methylnaphthalene	8.612	142	1183	0.76	ng/ml#	69
6) 1-Methylnaphthalene	8.711	142	1365	0.88	ng/ml#	72
7) 1,1'-Biphenyl	9.078	154	1036	0.53	ng/ml	79
8) 2,6-Dimethylnaphthalene	9.241	156	5026	3.72	ng/ml	100
11) Acenaphthylene	9.527	152	455	N.D.		
12) Acenaphthene	9.696	153	2094	1.21	ng/ml	84
13) Dibenzofuran	9.871	168	1130	0.54	ng/ml#	54
14) 1,6,7-Trimethylnaphtha...	10.098	170	750	0.55	ng/ml#	22
15) Fluorene	10.220	166	1217	0.73	ng/ml	87
17) Dibenzothiopene	11.071	184	929	N.D.		
18) Phenanthrene	11.200	178	11057	(4.07)	ng/ml	72
19) Anthracene	11.252	178	1969	0.89	ng/ml#	59
20) Carbazole	11.427	167	670	N.D.		
21) 1-Methylphenanthrene	11.823	192	1872	1.02	ng/ml	70
22) Fluoranthene	12.476	202	5127	1.92	ng/ml	84
24) Pyrene	12.773	202	5958	2.08	ng/ml	79
26) Benz(a)anthracene	14.977	228	1554	0.68	ng/ml#	8
27) Chrysene	15.052	228	1626	0.69	ng/ml#	8
29) Benzo(b)fluoranthene	17.582	252	1223	0.59	ng/ml#	1
30) Benzo(k)fluoranthene	17.640	252	354	N.D.		
31) Benzo(b+k)fluoranthene	17.722	252	3062	1.41	ng/ml#	1
32) Benzo(e)pyrene	18.235	252	5862	2.72	ng/ml#	1
33) Benzo(a)pyrene	18.351	252	1116	1.00	ng/ml#	1
34) Perylene	18.555	252	133191	60.07	ng/ml	99
36) Indeno(1,2,3-cd)Pyrene	20.922	276	1343	0.72	ng/ml#	1
37) Dibenz(a,h)anthracene	20.974	278	59	N.D.		
38) Benzo(g,h,i)perylene	21.452	276	713	N.D.		

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

Quantitation Report (Qedit)

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112037.D
 Acq On : 12 May 2020 03:54 am
 Operator : JK/ AMS/ DTH
 Sample : A000677-10RE1@4 A000763 5/13/20
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 12 09:54:43 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



(18) Phenanthrene (T)

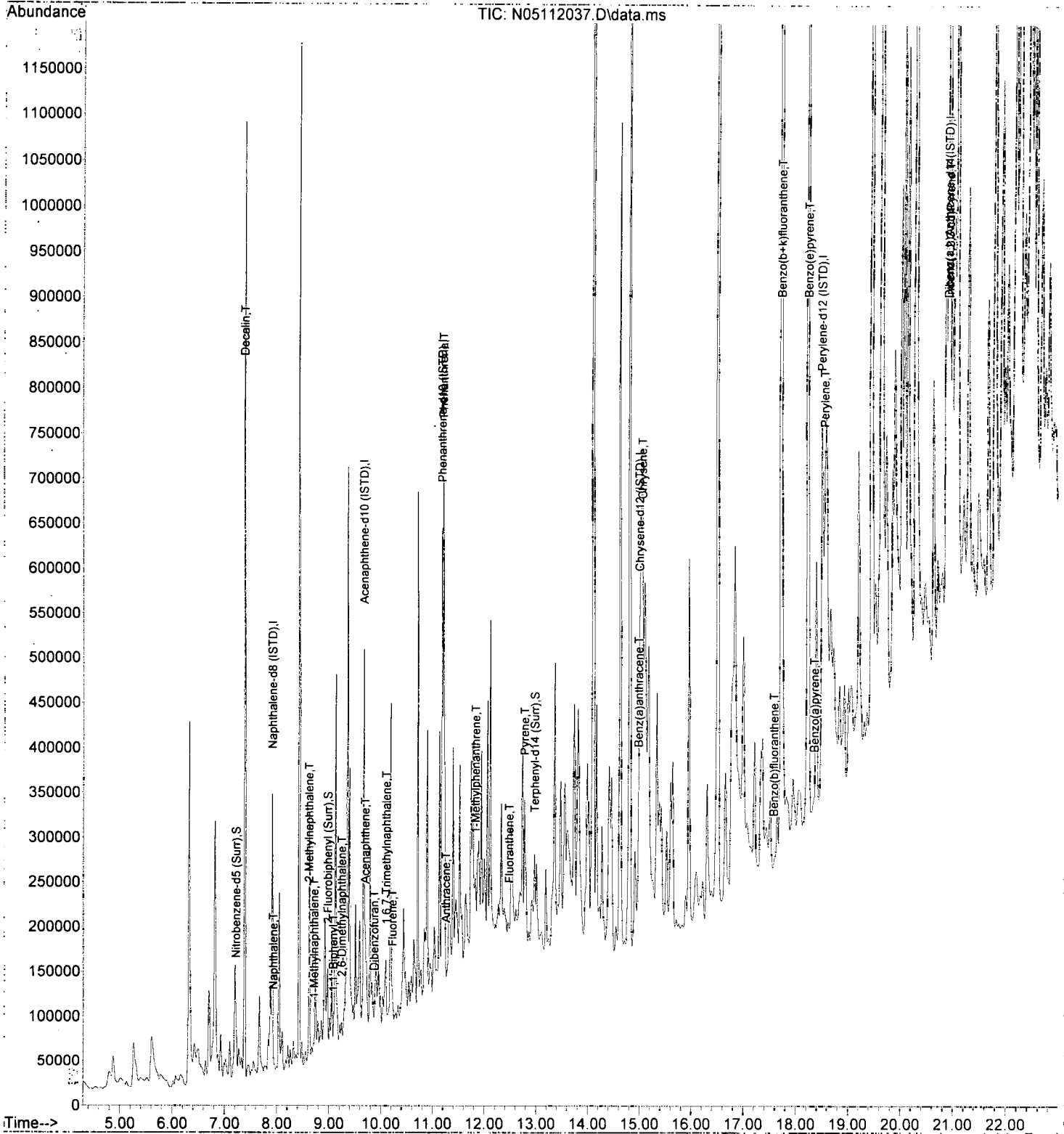
11.200min (+ 0.018) 4.07 ng/ml

response 11057

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	17.16
179.00	15.10	39.30
0.00	0.00	0.00

Data Path : R:\data\2020-05\0E11050\
 Data File : N05112037.D
 Acq On : 12 May 2020 03:54 am
 Operator : JK/ AMS/ DTH
 Sample : ~~A000677~~-10RE1@4 *A000763 gpa 5/12/20*
 Misc : 4x, 8270D LL PAH ONLY
 ALS Vial : 24 Sample Multiplier: 1

Quant. Time: May 12 09:54:43 2020
 Quant Method : R:\methods\SV14_040720_PAHR2.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri May 08 09:24:35 2020
 Response via : Initial Calibration



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Calibration Data**

Sequence 0D07056 (Cal ID A0D0804) SV-GCMS14



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0D07056
Date: 04/07/20 16:31

Instrument: SV-GCMS14
Calibration: A0D0804

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0D07056-TUN1	Soil	QC	QC			A20C067	A20C407
2	0D07056-ICB1	Soil	QC	QC			A20C067	
3	0D07056-CAL1	Soil	QC	QC			A20C067	A20C467
4	0D07056-CAL2	Soil	QC	QC			A20C067	A20C468
5	0D07056-CAL3	Soil	QC	QC			A20C067	A20C469
6	0D07056-CAL4	Soil	QC	QC			A20C067	A20C470
7	0D07056-CAL5	Soil	QC	QC			A20C067	A20C471
8	0D07056-CAL6	Soil	QC	QC			A20C067	A20C472
9	0D07056-CAL7	Soil	QC	QC			A20C067	A20C473
10	0D07056-CAL8	Soil	QC	QC			A20C067	A20C474
11	0D07056-CAL9	Soil	QC	QC			A20C067	A20C475
12	0D07056-CALA	Soil	QC	QC			A20C067	A20C476
13	0D07056-IBL1	Soil	QC	QC			A20C067	
14	0D07056-ICV1	Soil	QC	QC			A20C067	A20C479
15	0D07056-IBL2	Soil	QC	QC			A20C067	

Data Entered By:

AMS 4/8/20

Comments:

Data Reviewed By:

MV 4/9/20

Calibration Status Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	N:\data\2020-04\0D07056\N04072013.D
2	2.0	2	100	N:\data\2020-04\0D07056\N04072014.D
3	5.0	5	100	N:\data\2020-04\0D07056\N04072015.D
4	10.0	10	100	N:\data\2020-04\0D07056\N04072016.D
5	20	20	100	N:\data\2020-04\0D07056\N04072017.D
6	50.0	50	100	N:\data\2020-04\0D07056\N04072018.D
7	100	100	100	N:\data\2020-04\0D07056\N04072019.D
8	200	200	100	N:\data\2020-04\0D07056\N04072020.D
9	400	400	100	N:\data\2020-04\0D07056\N04072021.D
10	600	600	100	N:\data\2020-04\0D07056\N04072022.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 17:38
2	2.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 18:10
3	5.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 18:42
4	10.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 19:28
5	20	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 20:00
6	50.0	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 20:32
7	100	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 21:04
8	200	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 21:36
9	400	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 22:08
10	600	Apr 08 10:01 2020	Apr 08 09:41 2020	07 Apr 2020 22:40

SV14_040720_PAH.M Wed Apr 08 10:26:23 2020

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

Calibration Files

1.0 =N04072013.D 2.0 =N04072014.D 5.0 =N04072015.D 10.0=N04072016.D 20 =N04072017.D 50.0=N04072018.D 100 =N04072019.D
 200 =N04072020.D 400 =N04072021.D 600 =N04072022.D

Compound	1.0	2.0	5.0	10.0	20	50.0	100	200	400	600	Avg	%RSD	
1) I Naphthalene-d8 (ISTD)	-----ISTD-----												<i>4.55</i>
2) S Nitrobenzene-d...	0.346	0.316	0.325	0.292	0.305	0.302	0.298	0.308	0.315	0.318	0.312	4.94	
3) T Decalin		0.070	0.093	0.082	0.076	0.075	0.077	0.076	0.080	0.090	0.080	9.45	
4) T Naphthalene	1.190	1.149	1.133	1.103	1.102	1.060	1.029	1.048	1.049	1.028	1.089	5.06 ✓	
5) T 2-Methylnaphth...	0.683	0.700	0.714	0.704	0.734	0.737	0.723	0.766	0.787	0.767	0.731	4.60 ✓	
6) T 1-Methylnaphth...	0.722	0.710	0.703	0.708	0.747	0.733	0.709	0.736	0.763	0.730	0.726	2.66 ✓	
7) T 1,1'-Biphenyl	0.998	0.870	0.856	0.892	0.948	0.914	0.881	0.938	0.983	0.938	0.922	5.18	
8) T 2,6-Dimethylna...	0.608	0.585	0.572	0.585	0.650	0.630	0.628	0.674	0.711	0.680	0.632	7.33	
9) I Acenaphthene-d10 (...)	-----ISTD-----												<i>4.91</i>
10) S 2-Fluorobiphen...	1.452	1.546	1.670	1.605	1.567	1.545	1.533	1.524	1.547	1.493	1.548	3.81 ✓	
11) T Acenaphthylene	1.648	1.722	1.754	1.785	1.855	1.929	1.948	1.990	2.037	1.978	1.865	7.06 ✓	
12) T Acenaphthene	1.393	1.401	1.423	1.399	1.383	1.372	1.352	1.336	1.332	1.287	1.368	3.00 ✓	
13) T Dibenzofuran	1.583	1.612	1.655	1.699	1.716	1.650	1.658	1.658	1.695	1.630	1.656	2.46 ✓	
14) T 1,6,7-Trimethy...	1.114	1.016	1.034	1.036	1.116	1.061	1.089	1.089	1.121	1.044	1.072	3.60 ✓	
15) T Fluorene	1.408	1.267	1.261	1.296	1.346	1.288	1.300	1.325	1.367	1.293	1.315	3.54 ✓	
16) I Phenanthrene-d10 (...)	-----ISTD-----												<i>8.64</i>
17) T Dibenzothiopene	1.081	0.993	0.995	1.009	1.031	1.025	0.977	1.015	1.005	0.975	1.011	3.07	
18) T Phenanthrene	1.275	1.193	1.219	1.159	1.152	1.133	1.084	1.117	1.089	1.090	1.151	5.45 ✓	
19) T Anthracene	0.967	0.848	0.879	0.907	0.973	0.952	0.969	0.998	1.017	0.916	0.943	5.69 ✓	
20) T Carbazole	0.768	0.741	0.806	0.829	0.829	0.857	0.860	0.872	0.855	0.720	0.814	6.59 ✓	
21) T 1-Methylphenan...	0.730	0.730	0.748	0.765	0.779	0.796	0.791	0.817	0.827	0.778	0.776	4.32	
22) T Fluoranthene	1.028	1.052	1.086	1.117	1.098	1.145	1.158	1.224	1.258	1.178	1.134	6.43 ✓	
23) I Chrysene-d12 (ISTD)	-----ISTD-----												<i>12.22</i>
24) T Pyrene	1.297	1.267	1.186	1.290	1.434	1.240	1.245	1.323	1.337	1.353	1.297	5.36 ✓	
25) S Terphenyl-d14 ...	0.994	0.919	0.942	0.984	1.020	0.966	0.940	0.971	0.968	0.959	0.966	3.02 ✓	
26) T Benz(a)anthracene	1.227	1.103	0.979	0.977	0.964	0.992	0.976	1.027	1.066	1.060	1.037	7.88 ✓	
27) T Chrysene	1.105	1.160	1.081	1.041	1.072	1.057	1.034	1.048	1.038	1.029	1.067	3.81 ✓	
28) I Perylene-d12 (ISTD)	-----ISTD-----												<i>16.44</i>
29) T Benzo(b)fluora...	1.035	0.959	0.949	0.991	1.000	0.998	1.018	1.086	1.138	1.163	1.034	7.03 ✓	
30) T Benzo(k)fluora...	0.978	0.906	0.911	1.002	1.018	1.033	1.089	1.121	1.139	1.109	1.031	8.10 ✓	
31) T Benzo(b+k)fluo...	1.007	1.005	1.020	1.074	1.091	1.072	1.103	1.146	1.179	1.172	1.087	5.96 ✓	
32) T Benzo(e)pyrene	0.955	1.069	1.006	1.054	1.096	1.047	1.075	1.136	1.176	1.196	1.081	6.84 ✓	
33) T Benzo(a)pyrene	0.612	0.636	0.660	0.751	0.778	0.880	0.916	0.974	1.000	0.975	0.818	18.31 ✓	
34) T Perylene		0.838	0.972	1.086	1.118	1.204	1.181	1.201	1.219	1.198	1.113	11.68 ✓	
35) I Dibenz(a,h)Anthrce...	-----ISTD-----												<i>13.68</i>
36) T Indeno(1,2,3-c...	1.028	1.006	1.030	1.054	1.084	1.071	1.071	1.124	1.168	1.228	1.086	6.33 ✓	

Method Path : N:\methods\
Method File : SV14_040720_PAH.M

Title : EPA 8270D: Semivolatile Organics

37) T	Dibenz(a,h)ant...	1.031	0.977	1.093	1.047	1.084	1.094	1.097	1.128	1.200	1.202	1.095	6.40 ✓
38) T	Benzo(g,h,i)pe...	0.965	0.968	1.052	1.081	1.166	1.189	1.224	1.272	1.334	1.402	1.165	12.77 ✓

(#) = Out of Range

Compound List Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_040720_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Wed Apr 08 10:01:43 2020
 Response Via : Initial Calibration

QA 4/8/20

Total Cpnds : 38

PK#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I Naphthalene-d8 (ISTD)	136	7.906	1.000	A	2	A	B
2	S Nitrobenzene-d5 (Surr)	82	7.207	0.912	A	1	A	R
3	T Decalin	138	7.381	0.934	A	2	A	B
4	T Naphthalene	128	7.924	1.002	A	2	A	R
5	T 2-Methylnaphthalene	142	8.612	1.089	A	2	A	R
6	T 1-Methylnaphthalene	142	8.711	1.102	A	2	A	R
7	T 1,1'-Biphenyl	154	9.078	1.148	A	2	A	B
8	T 2,6-Dimethylnaphthalene	156	9.235	1.168	A	2	A	R
9	I Acenaphthene-d10 (ISTD)	162	9.661	1.000	A	2	A	R
10	S 2-Fluorobiphenyl (Surr)	172	8.973	0.929	A	2	A	R
11	T Acenaphthylene	152	9.515	0.985	A	2	A	R
12	T Acenaphthene	153	9.696	1.004	A	2	A	R
13	T Dibenzofuran	168	9.865	1.021	A	2	A	R
14	T 1,6,7-Trimethylnaphthalene	170	10.080	1.043	A	2	A	R
15	T Fluorene	166	10.215	1.057	A	2	A	R
16	I Phenanthrene-d10 (ISTD)	188	11.165	1.000	A	2	A	R
17	T Dibenzothiopene	184	11.066	0.991	A	3	A	R
18	T Phenanthrene	178	11.188	1.002	A	2	A	R
19	T Anthracene	178	11.240	1.007	A	2	A	R
20	T Carbazole	167	11.398	1.021	A	2	A	R
21	T 1-Methylphenanthrene	192	11.817	1.058	A	2	A	R
22	T Fluoranthene	202	12.459	1.116	A	2	A	R
23	I Chrysene-d12 (ISTD)	240	14.947	1.000	A	2	A	R
24	T Pyrene	202	12.750	0.853	A	2	A	R
25	S Terphenyl-d14 (Surr)	244	12.960	0.867	A	2	A	R
26	T Benz(a)anthracene	228	14.924	0.998	A	2	A	R
27	T Chrysene	228	15.006	1.004	A	2	A	R
28	I Perylene-d12 (ISTD)	264	18.410	1.000	A	2	A	R
29	T Benzo(b)fluoranthene	252	17.506	0.951	A	2	A	R
30	T Benzo(k)fluoranthene	252	17.570	0.954	A	2	A	R
31	T Benzo(b+k)fluoranthene	252	17.570	0.954	A	2	A	R
32	T Benzo(e)pyrene	252	18.153	0.986	A	2	A	R
33	T Benzo(a)pyrene	252	18.270	0.992	Q 2	2	A	R
34	T Perylene	252	18.473	1.003	A	2	A	R
35	I Dibenz(a,h)Anthracene-d14 (ISTD)	292	20.794	1.000	A	2	A	R
36	T Indeno(1,2,3-cd)Pyrene	276	20.794	1.000	A	2	A	R
37	T Dibenz(a,h)anthracene	278	20.857	1.003	A	2	A	R
38	T Benzo(g,h,i)perylene	276	21.324	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

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

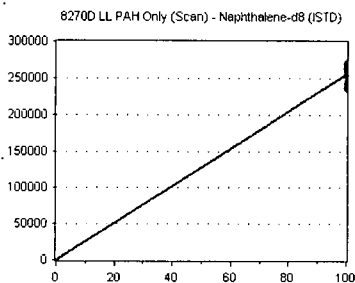
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Naphthalene-d8 (ISTD)

Curve Fit: **AVERAGE RF**

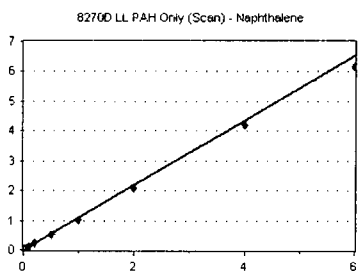


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	100	243074	2430.740	7.91
0D07056-CAL2	100	243705	2437.050	7.91
0D07056-CAL3	100	254846	2548.460	7.91
0D07056-CAL4	100	270985	2709.850	7.91
0D07056-CAL5	100	258751	2587.510	7.91
0D07056-CAL6	100	265079	2650.790	7.91
0D07056-CAL7	100	270936	2709.360	7.91
0D07056-CAL8	100	259002	2590.020	7.91
0D07056-CAL9	100	255231	2552.310	7.91
0D07056-CALA	100	237171	2371.710	7.91

AVE RF 2558.780 RF RSD 4.55 AVE RT 7.91

Naphthalene

Curve Fit: **AVERAGE RF**

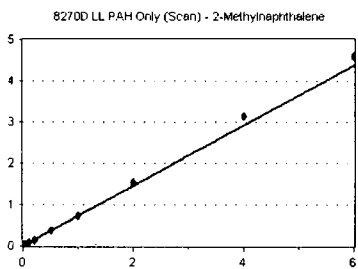


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	2892	1.190	7.93
0D07056-CAL2	2	5600	1.149	7.92
0D07056-CAL3	5	14431	1.133	7.92
0D07056-CAL4	10	29903	1.103	7.92
0D07056-CAL5	20	57019	1.102	7.92
0D07056-CAL6	50	140541	1.060	7.92
0D07056-CAL7	100	278907	1.029	7.92
0D07056-CAL8	200	543013	1.048	7.92
0D07056-CAL9	400	1070767	1.049	7.92
0D07056-CALA	600	1463412	1.028	7.92

AVE RF 1.089 RF RSD 5.06 AVE RT 7.92

2-Methylnaphthalene

Curve Fit: **AVERAGE RF**

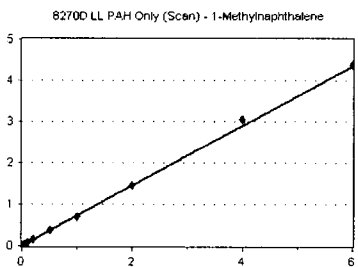


Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1659	0.683	8.61
0D07056-CAL2	2	3410	0.700	8.61
0D07056-CAL3	5	9092	0.714	8.61
0D07056-CAL4	10	19067	0.704	8.61
0D07056-CAL5	20	37992	0.734	8.61
0D07056-CAL6	50	97673	0.737	8.61
0D07056-CAL7	100	195774	0.723	8.61
0D07056-CAL8	200	396823	0.766	8.61
0D07056-CAL9	400	803600	0.787	8.61
0D07056-CALA	600	1091692	0.767	8.61

AVE RF 0.731 RF RSD 4.60 AVE RT 8.61

1-Methylnaphthalene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0D07056-CAL1	1	1756	0.722	8.71
0D07056-CAL2	2	3462	0.710	8.71
0D07056-CAL3	5	8964	0.703	8.71
0D07056-CAL4	10	19186	0.708	8.71
0D07056-CAL5	20	38641	0.747	8.71
0D07056-CAL6	50	97197	0.733	8.71
0D07056-CAL7	100	191985	0.709	8.71
0D07056-CAL8	200	381343	0.736	8.71
0D07056-CAL9	400	778825	0.763	8.71
0D07056-CALA	600	1038153	0.730	8.71

AVE RF 0.726 RF RSD 2.66 AVE RT 8.71

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

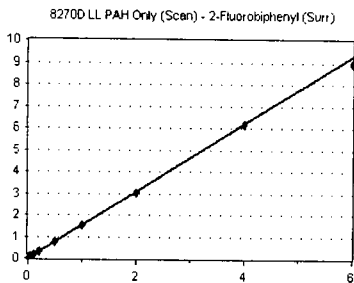
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

2-Fluorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

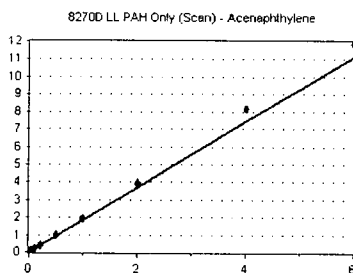


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2174	1.452	8.97
OD07056-CAL2	2	4191	1.546	8.97
OD07056-CAL3	5	10979	1.670	8.97
OD07056-CAL4	10	22576	1.605	8.97
OD07056-CAL5	20	46527	1.567	8.97
OD07056-CAL6	50	113161	1.545	8.97
OD07056-CAL7	100	225961	1.533	8.97
OD07056-CAL8	200	456518	1.524	8.97
OD07056-CAL9	400	957543	1.547	8.97
OD07056-CALA	600	1276915	1.493	8.97

AVE RF 1.548 RF RSD 3.81 AVE RT 8.97

Acenaphthylene

Curve Fit: **AVERAGE RF**

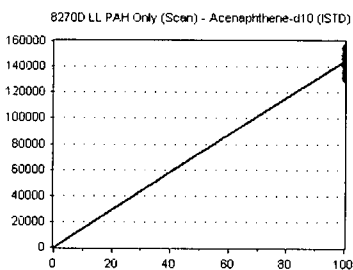


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2466	1.648	9.52
OD07056-CAL2	2	4668	1.722	9.52
OD07056-CAL3	5	11532	1.754	9.52
OD07056-CAL4	10	25120	1.785	9.52
OD07056-CAL5	20	55074	1.855	9.52
OD07056-CAL6	50	141318	1.929	9.52
OD07056-CAL7	100	287167	1.948	9.52
OD07056-CAL8	200	596158	1.990	9.52
OD07056-CAL9	400	1260795	2.037	9.52
OD07056-CALA	600	1692015	1.978	9.52

AVE RF 1.865 RF RSD 7.06 AVE RT 9.52

Acenaphthene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

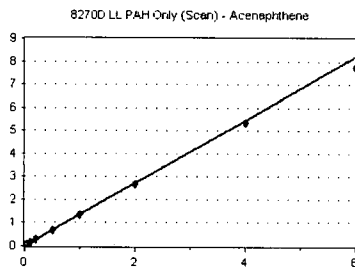


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	149679	1496.790	9.66
OD07056-CAL2	100	135566	1355.660	9.66
OD07056-CAL3	100	131499	1314.990	9.66
OD07056-CAL4	100	140702	1407.020	9.66
OD07056-CAL5	100	148424	1484.240	9.66
OD07056-CAL6	100	146492	1464.920	9.66
OD07056-CAL7	100	147420	1474.200	9.66
OD07056-CAL8	100	149753	1497.530	9.66
OD07056-CAL9	100	154741	1547.410	9.66
OD07056-CALA	100	142544	1425.440	9.66

AVE RF 1446.820 RF RSD 4.91 AVE RT 9.66

Acenaphthene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2085	1.393	9.70
OD07056-CAL2	2	3799	1.401	9.70
OD07056-CAL3	5	9358	1.423	9.70
OD07056-CAL4	10	19684	1.399	9.70
OD07056-CAL5	20	41060	1.383	9.70
OD07056-CAL6	50	100491	1.372	9.70
OD07056-CAL7	100	199310	1.352	9.70
OD07056-CAL8	200	400273	1.336	9.70
OD07056-CAL9	400	824563	1.332	9.70
OD07056-CALA	600	1100304	1.287	9.70

AVE RF 1.368 RF RSD 3.00 AVE RT 9.70

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

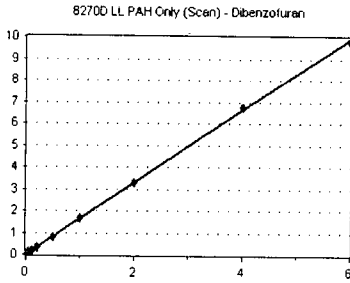
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Dibenzofuran

Curve Fit: **AVERAGE RF**

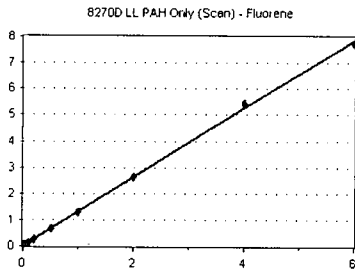


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2370	1.583	9.87
OD07056-CAL2	2	4370	1.612	9.87
OD07056-CAL3	5	10882	1.655	9.87
OD07056-CAL4	10	23912	1.699	9.87
OD07056-CAL5	20	50939	1.716	9.87
OD07056-CAL6	50	120846	1.650	9.87
OD07056-CAL7	100	244430	1.658	9.87
OD07056-CAL8	200	496566	1.658	9.87
OD07056-CAL9	400	1049059	1.695	9.87
OD07056-CALA	600	1394000	1.630	9.87

AVE RF 1.656 RF RSD 2.46 AVE RT 9.87

Fluorene

Curve Fit: **AVERAGE RF**

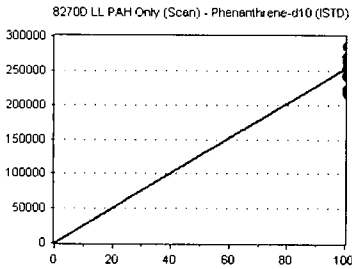


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2108	1.408	10.22
OD07056-CAL2	2	3434	1.267	10.22
OD07056-CAL3	5	8294	1.261	10.22
OD07056-CAL4	10	18241	1.296	10.22
OD07056-CAL5	20	39965	1.346	10.22
OD07056-CAL6	50	94350	1.288	10.22
OD07056-CAL7	100	191718	1.300	10.22
OD07056-CAL8	200	396773	1.325	10.21
OD07056-CAL9	400	846234	1.367	10.22
OD07056-CALA	600	1105549	1.293	10.22

AVE RF 1.315 RF RSD 3.54 AVE RT 10.22

Phenanthrene-d10 (ISTD)

Curve Fit: **AVERAGE RF**

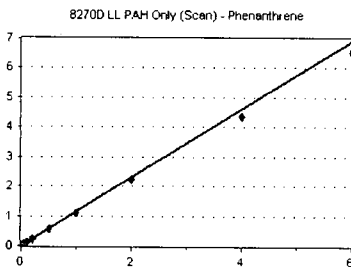


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	271576	2715.760	11.17
OD07056-CAL2	100	223200	2232.000	11.17
OD07056-CAL3	100	216520	2165.200	11.17
OD07056-CAL4	100	243789	2437.890	11.17
OD07056-CAL5	100	266029	2660.290	11.17
OD07056-CAL6	100	242013	2420.130	11.17
OD07056-CAL7	100	265984	2659.840	11.17
OD07056-CAL8	100	262815	2628.150	11.17
OD07056-CAL9	100	286145	2861.450	11.17
OD07056-CALA	100	254222	2542.220	11.17

AVE RF 2532.293 RF RSD 8.64 AVE RT 11.17

Phenanthrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	3463	1.275	11.19
OD07056-CAL2	2	5324	1.193	11.19
OD07056-CAL3	5	13195	1.219	11.19
OD07056-CAL4	10	28266	1.159	11.19
OD07056-CAL5	20	61279	1.152	11.19
OD07056-CAL6	50	137147	1.133	11.19
OD07056-CAL7	100	288254	1.084	11.19
OD07056-CAL8	200	586910	1.117	11.19
OD07056-CAL9	400	1246717	1.089	11.19
OD07056-CALA	600	1662195	1.090	11.19

AVE RF 1.151 RF RSD 5.45 AVE RT 11.19

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

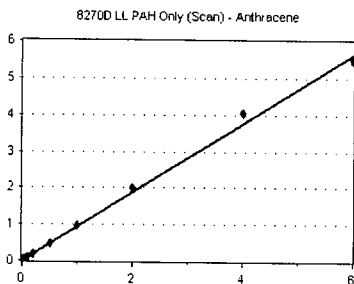
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Anthracene

Curve Fit: **AVERAGE RF**

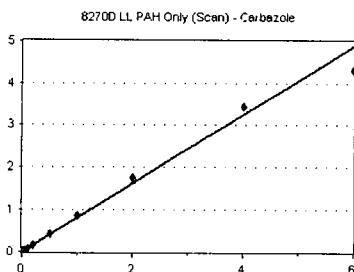


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2627	0.967	11.24
OD07056-CAL2	2	3785	0.848	11.24
OD07056-CAL3	5	9521	0.879	11.24
OD07056-CAL4	10	22111	0.907	11.25
OD07056-CAL5	20	51771	0.973	11.24
OD07056-CAL6	50	115187	0.952	11.24
OD07056-CAL7	100	257805	0.969	11.24
OD07056-CAL8	200	524623	0.998	11.24
OD07056-CAL9	400	1164250	1.017	11.25
OD07056-CALA	600	1396742	0.916	11.25

AVE RF 0.943 RF RSD 5.69 AVE RT 11.24

Carbazole

Curve Fit: **AVERAGE RF**

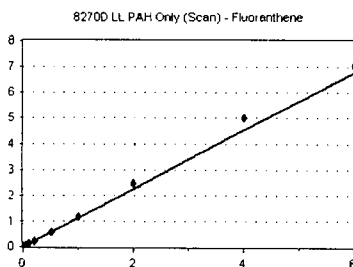


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2085	0.768	11.40
OD07056-CAL2	2	3308	0.741	11.40
OD07056-CAL3	5	8731	0.806	11.40
OD07056-CAL4	10	20204	0.829	11.40
OD07056-CAL5	20	44104	0.829	11.40
OD07056-CAL6	50	103743	0.857	11.40
OD07056-CAL7	100	228806	0.860	11.40
OD07056-CAL8	200	458445	0.872	11.40
OD07056-CAL9	400	979119	0.855	11.40
OD07056-CALA	600	1098601	0.720	11.40

AVE RF 0.814 RF RSD 6.59 AVE RT 11.40

Fluoranthene

Curve Fit: **AVERAGE RF**

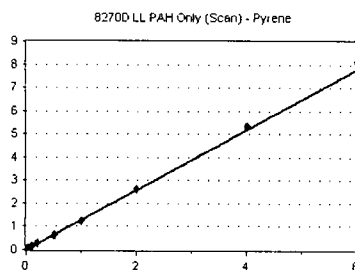


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2793	1.028	12.46
OD07056-CAL2	2	4694	1.052	12.46
OD07056-CAL3	5	11760	1.086	12.46
OD07056-CAL4	10	27227	1.117	12.46
OD07056-CAL5	20	58425	1.098	12.46
OD07056-CAL6	50	138576	1.145	12.46
OD07056-CAL7	100	308063	1.158	12.46
OD07056-CAL8	200	643616	1.224	12.46
OD07056-CAL9	400	1439355	1.258	12.46
OD07056-CALA	600	1796405	1.178	12.47

AVE RF 1.134 RF RSD 6.43 AVE RT 12.46

Pyrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2915	1.297	12.75
OD07056-CAL2	2	4749	1.267	12.75
OD07056-CAL3	5	12228	1.186	12.75
OD07056-CAL4	10	28915	1.290	12.75
OD07056-CAL5	20	61609	1.434	12.75
OD07056-CAL6	50	148125	1.240	12.75
OD07056-CAL7	100	328255	1.245	12.75
OD07056-CAL8	200	678143	1.323	12.75
OD07056-CAL9	400	1513534	1.337	12.76
OD07056-CALA	600	1875198	1.353	12.76

AVE RF 1.297 RF RSD 5.36 AVE RT 12.75

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

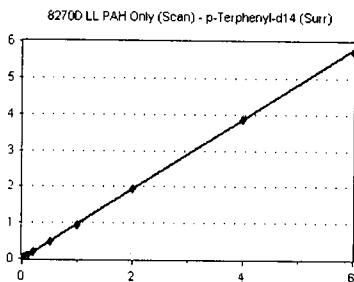
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

p-Terphenyl-d14 (Surr)

Curve Fit: **AVERAGE RF**

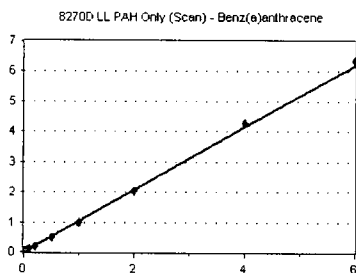


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2235	0.994	12.95
OD07056-CAL2	2	3444	0.919	12.95
OD07056-CAL3	5	9709	0.942	12.95
OD07056-CAL4	10	22061	0.984	12.96
OD07056-CAL5	20	43811	1.020	12.96
OD07056-CAL6	50	115369	0.966	12.96
OD07056-CAL7	100	247933	0.940	12.95
OD07056-CAL8	200	497857	0.971	12.96
OD07056-CAL9	400	1096177	0.968	12.96
OD07056-CALA	600	1328709	0.959	12.96

AVE RF 0.966 RF RSD 3.02 AVE RT 12.96

Benz(a)anthracene

Curve Fit: **AVERAGE RF**

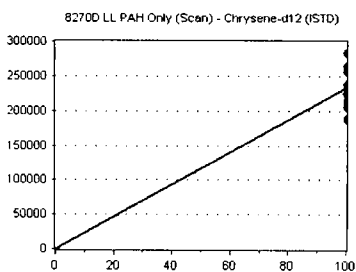


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2758	1.227	14.92
OD07056-CAL2	2	4134	1.103	14.92
OD07056-CAL3	5	10093	0.979	14.92
OD07056-CAL4	10	21888	0.977	14.93
OD07056-CAL5	20	41414	0.964	14.92
OD07056-CAL6	50	118477	0.992	14.92
OD07056-CAL7	100	257406	0.976	14.92
OD07056-CAL8	200	526616	1.027	14.93
OD07056-CAL9	400	1207333	1.066	14.94
OD07056-CALA	600	1469312	1.060	14.94

AVE RF 1.037 RF RSD 7.88 AVE RT 14.93

Chrysene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

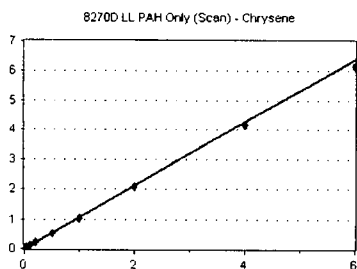


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	224745	2247.450	14.95
OD07056-CAL2	100	187464	1874.640	14.94
OD07056-CAL3	100	206205	2062.050	14.95
OD07056-CAL4	100	224123	2241.230	14.95
OD07056-CAL5	100	214808	2148.080	14.95
OD07056-CAL6	100	238949	2389.490	14.95
OD07056-CAL7	100	263757	2637.570	14.95
OD07056-CAL8	100	256376	2563.760	14.95
OD07056-CAL9	100	283021	2830.210	14.95
OD07056-CALA	100	231029	2310.290	14.95

AVE RF 2330.477 RF RSD 12.22 AVE RT 14.95

Chrysene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	2483	1.105	15.01
OD07056-CAL2	2	4350	1.160	15.00
OD07056-CAL3	5	11149	1.081	15.01
OD07056-CAL4	10	23333	1.041	15.01
OD07056-CAL5	20	46060	1.072	15.01
OD07056-CAL6	50	126277	1.057	15.01
OD07056-CAL7	100	272605	1.034	15.01
OD07056-CAL8	200	537553	1.048	15.01
OD07056-CAL9	400	1174861	1.038	15.02
OD07056-CALA	600	1426972	1.029	15.02

AVE RF 1.067 RF RSD 3.81 AVE RT 15.01

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

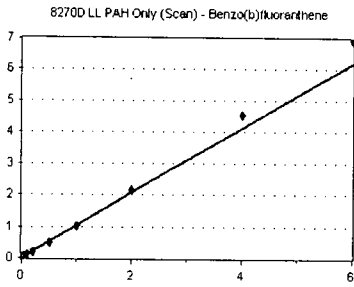
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(b)fluoranthene

Curve Fit: **AVERAGE RF**

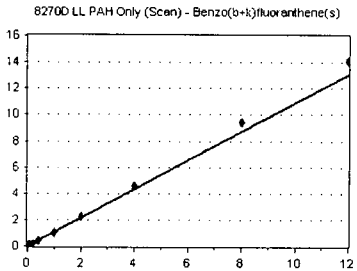


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1958	1.035	17.50
OD07056-CAL2	2	3031	0.959	17.50
OD07056-CAL3	5	8620	0.949	17.50
OD07056-CAL4	10	20389	0.991	17.51
OD07056-CAL5	20	37506	1.000	17.51
OD07056-CAL6	50	116347	0.998	17.51
OD07056-CAL7	100	253202	1.018	17.51
OD07056-CAL8	200	536283	1.086	17.51
OD07056-CAL9	400	1217211	1.138	17.52
OD07056-CALA	600	1548382	1.163	17.52

AVE RF 1.034 RF RSD 7.03 AVE RT 17.51

Benzo(b+k)fluoranthene(s)

Curve Fit: **AVERAGE RF**

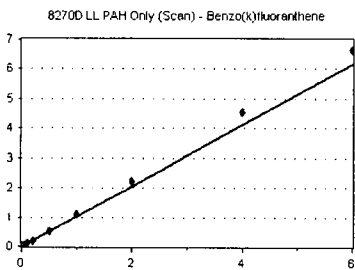


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	2	3809	1.007	17.50
OD07056-CAL2	4	6349	1.005	17.50
OD07056-CAL3	10	18526	1.020	17.50
OD07056-CAL4	20	44218	1.074	17.58
OD07056-CAL5	40	81846	1.091	17.57
OD07056-CAL6	100	249964	1.072	17.57
OD07056-CAL7	200	548680	1.103	17.57
OD07056-CAL8	400	1132360	1.146	17.58
OD07056-CAL9	800	2523866	1.179	17.59
OD07056-CALA	1200	3120142	1.172	17.59

AVE RF 1.087 RF RSD 5.96 AVE RT 17.55

Benzo(k)fluoranthene

Curve Fit: **AVERAGE RF**

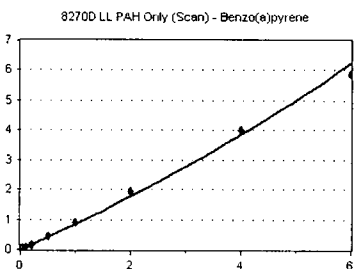


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1851	0.978	17.56
OD07056-CAL2	2	2864	0.906	17.56
OD07056-CAL3	5	8275	0.911	17.56
OD07056-CAL4	10	20616	1.002	17.58
OD07056-CAL5	20	38178	1.018	17.57
OD07056-CAL6	50	120385	1.033	17.57
OD07056-CAL7	100	270754	1.089	17.57
OD07056-CAL8	200	553475	1.121	17.58
OD07056-CAL9	400	1218167	1.139	17.59
OD07056-CALA	600	1475774	1.109	17.59

AVE RF 1.031 RF RSD 8.10 AVE RT 17.57

Benzo(a)pyrene

Curve Fit: **QUADRATIC: Weighting: (1/a^2) Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1158	0.612	18.26
OD07056-CAL2	2	2009	0.636	18.26
OD07056-CAL3	5	5994	0.660	18.26
OD07056-CAL4	10	15453	0.751	18.28
OD07056-CAL5	20	29191	0.778	18.27
OD07056-CAL6	50	102540	0.880	18.27
OD07056-CAL7	100	227825	0.916	18.27
OD07056-CAL8	200	480916	0.974	18.28
OD07056-CAL9	400	1069564	1.000	18.29
OD07056-CALA	600	1297353	0.975	18.29

AVE RF 0.818 RF RSD 18.31 AVE RT 18.27

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

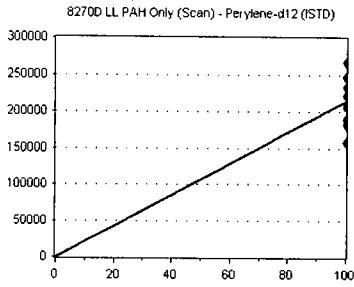
Calibration Date: **04/08/2020**

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Perylene-d12 (ISTD)

Curve Fit: **AVERAGE RF**

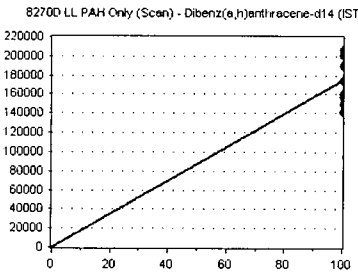


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	189170	1891.700	18.41
OD07056-CAL2	100	158010	1580.100	18.41
OD07056-CAL3	100	181653	1816.530	18.41
OD07056-CAL4	100	205793	2057.930	18.42
OD07056-CAL5	100	187485	1874.850	18.41
OD07056-CAL6	100	233103	2331.030	18.41
OD07056-CAL7	100	248613	2486.130	18.42
OD07056-CAL8	100	246957	2469.570	18.42
OD07056-CAL9	100	267480	2674.800	18.42
OD07056-CALA	100	221821	2218.210	18.42

AVE RF 2140.085 RF RSD 16.44 AVE RT 18.41

Dibenz(a,h)anthracene-d14 (ISTD)

Curve Fit: **AVERAGE RF**

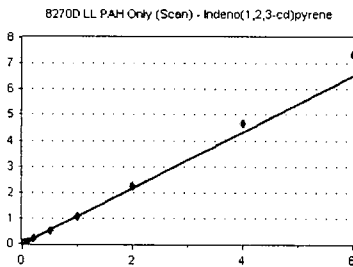


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	100	160677	1606.770	20.79
OD07056-CAL2	100	141496	1414.960	20.79
OD07056-CAL3	100	160102	1601.020	20.79
OD07056-CAL4	100	175208	1752.080	20.80
OD07056-CAL5	100	149877	1498.770	20.79
OD07056-CAL6	100	190743	1907.430	20.79
OD07056-CAL7	100	201252	2012.520	20.79
OD07056-CAL8	100	201443	2014.430	20.79
OD07056-CAL9	100	206453	2064.530	20.81
OD07056-CALA	100	157020	1570.200	20.81

AVE RF 1744.271 RF RSD 13.68 AVE RT 20.79

Indeno(1,2,3-cd)pyrene

Curve Fit: **AVERAGE RF**

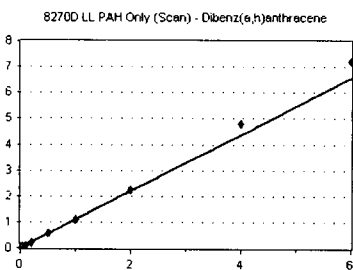


Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1652	1.028	20.79
OD07056-CAL2	2	2847	1.006	20.79
OD07056-CAL3	5	8244	1.030	20.79
OD07056-CAL4	10	18462	1.054	20.80
OD07056-CAL5	20	32482	1.084	20.79
OD07056-CAL6	50	102100	1.071	20.79
OD07056-CAL7	100	215605	1.071	20.79
OD07056-CAL8	200	452810	1.124	20.80
OD07056-CAL9	400	964615	1.168	20.81
OD07056-CALA	600	1156472	1.228	20.81

AVE RF 1.086 RF RSD 6.33 AVE RT 20.80

Dibenz(a,h)anthracene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OD07056-CAL1	1	1657	1.031	20.86
OD07056-CAL2	2	2764	0.977	20.85
OD07056-CAL3	5	8753	1.093	20.85
OD07056-CAL4	10	18337	1.047	20.86
OD07056-CAL5	20	32488	1.084	20.86
OD07056-CAL6	50	104317	1.094	20.86
OD07056-CAL7	100	220763	1.097	20.86
OD07056-CAL8	200	454575	1.128	20.86
OD07056-CAL9	400	991281	1.200	20.88
OD07056-CALA	600	1132840	1.202	20.88

AVE RF 1.095 RF RSD 6.40 AVE RT 20.86

Element Calibration Review Sheet

Calibration ID: **A0D0804**

Instrument: **SV-GCMS14**

Calibration Date:

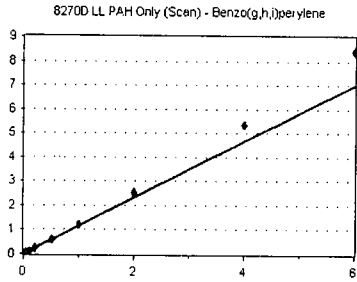
04/08/2020

Analysis: **8270D LL PAH Only (Scan)**

Instrument Cal ID: **A0D0804**

Benzo(g,h,i)perylene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response	
			Factor	RT
0D07056-CAL1	1	1550	0.965	21.32
0D07056-CAL2	2	2738	0.968	21.32
0D07056-CAL3	5	8418	1.052	21.32
0D07056-CAL4	10	18938	1.081	21.33
0D07056-CAL5	20	34943	1.166	21.32
0D07056-CAL6	50	113428	1.189	21.32
0D07056-CAL7	100	246409	1.224	21.33
0D07056-CAL8	200	512635	1.272	21.34
0D07056-CAL9	400	1102019	1.334	21.35
0D07056-CALA	600	1320462	1.402	21.35

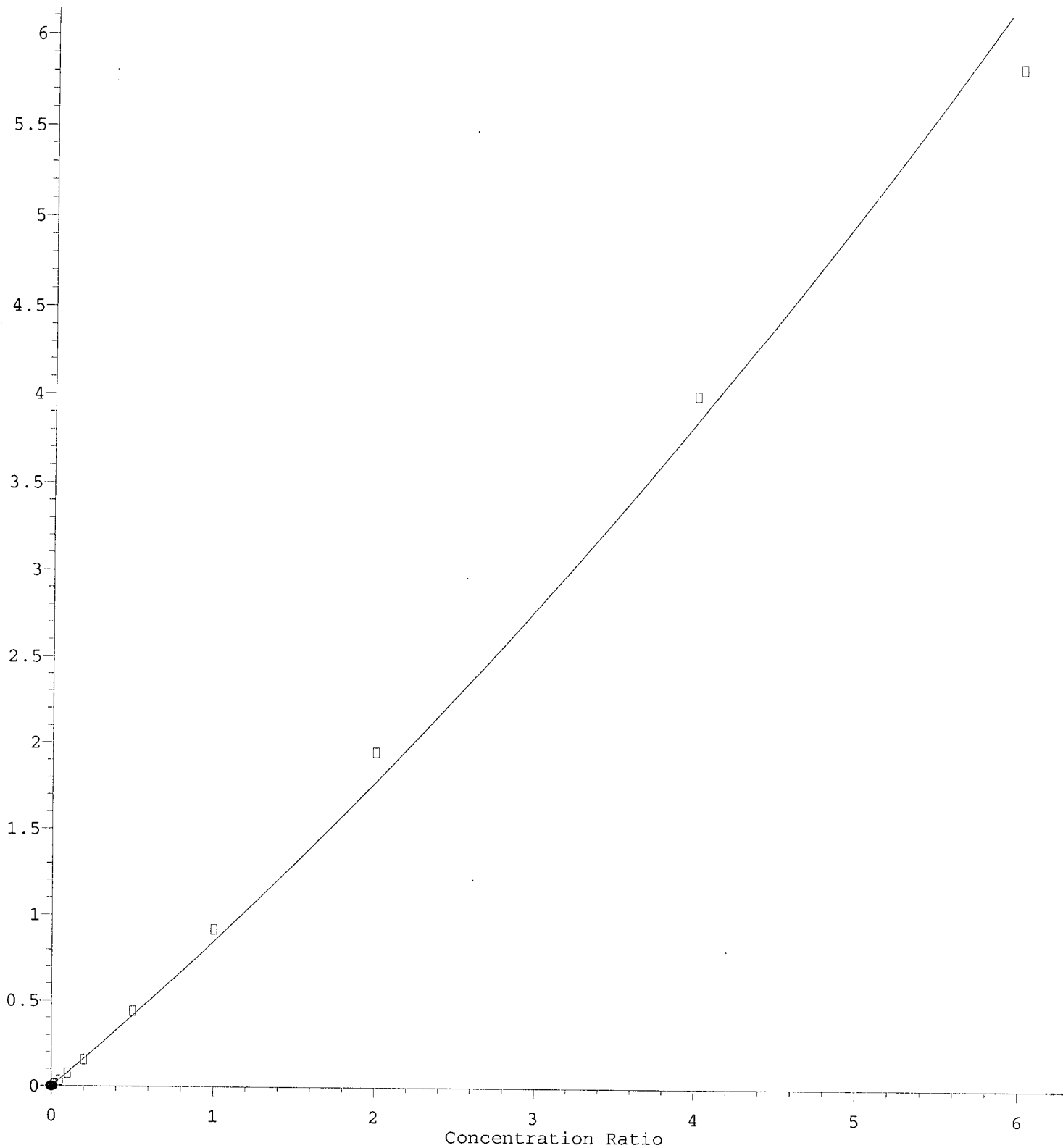
AVE RF **1.165**

RF RSD **12.77**

AVE RT **21.33**

Benzo(a)pyrene

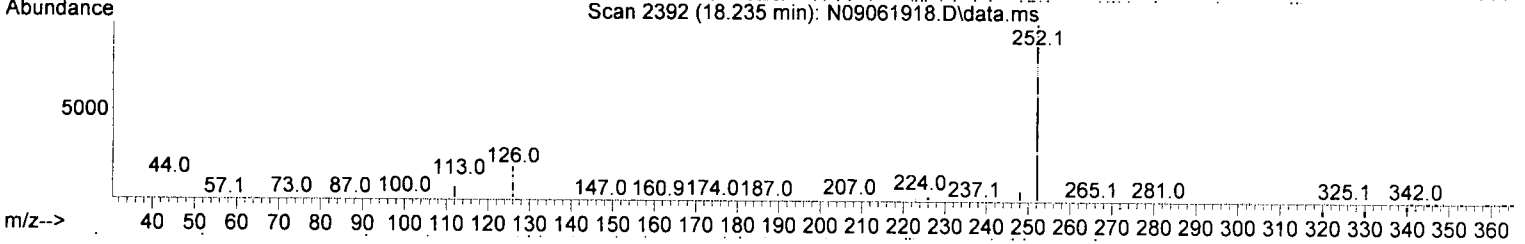
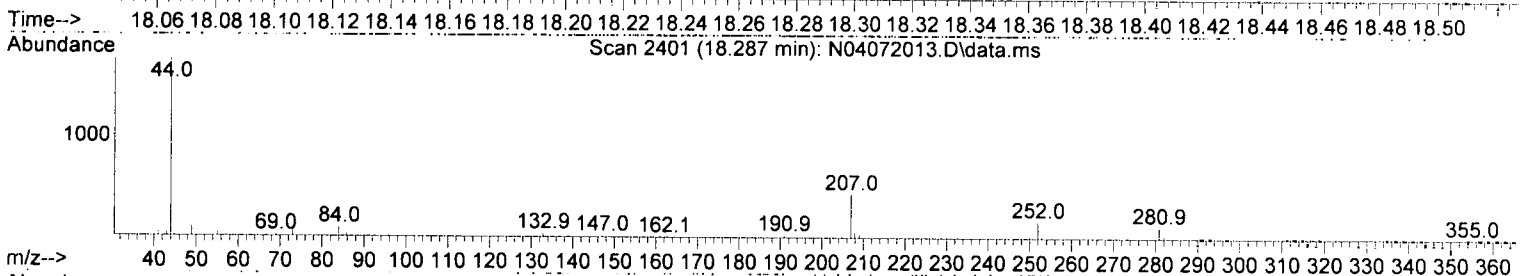
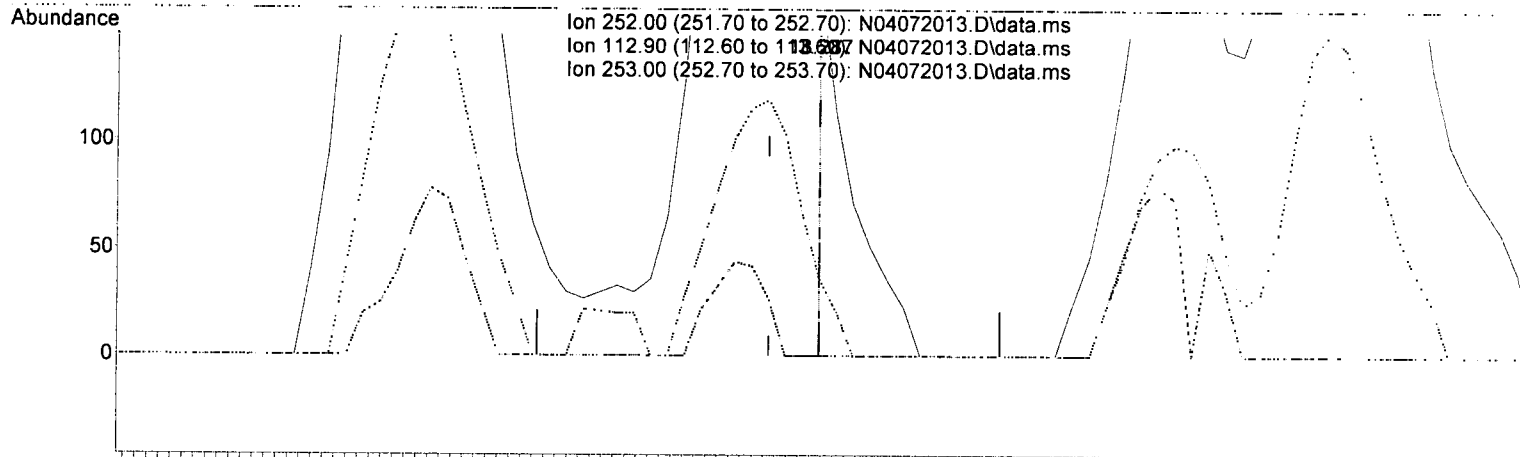
Response Ratio



Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\REQUANT\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:18 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072013.D\data.ms

(33) Benzo(a)pyrene (T)

18.287min (+ 0.017) 0.38 ng/ml m

response 102

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	0.00
253.00	21.90	20.34
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

Analysis Included
8270D LL PAH Only (Scan)

INSTRUMENT SEQUENCE LOG

<u>SampleID</u>	<u>SampleName</u>	<u>Matrix</u>	<u>STDID</u>	<u>ISTD_ID</u>	<u>Analyzed</u>
0D07056-TUN1	MS Tune	Soil	A20C407	A20C067	4/7/2020 4:40:00PM
0D07056-ICB1	Initial Cal Blank	Soil		A20C067	4/7/2020 5:07:00PM
0D07056-CAL1	Cal Standard	Soil	A20C467	"	4/7/2020 5:38:00PM
0D07056-CAL2	Cal Standard	Soil	A20C468	"	4/7/2020 6:10:00PM
0D07056-CAL3	Cal Standard	Soil	A20C469	"	4/7/2020 6:42:00PM
0D07056-CAL4	Cal Standard	Soil	A20C470	"	4/7/2020 7:28:00PM
0D07056-CAL5	Cal Standard	Soil	A20C471	"	4/7/2020 8:00:00PM
0D07056-CAL6	Cal Standard	Soil	A20C472	"	4/7/2020 8:32:00PM
0D07056-CAL7	Cal Standard	Soil	A20C473	"	4/7/2020 9:04:00PM
0D07056-CAL8	Cal Standard	Soil	A20C474	"	4/7/2020 9:36:00PM
0D07056-CAL9	Cal Standard	Soil	A20C475	"	4/7/2020 10:08:00PM
0D07056-CALA	Cal Standard	Soil	A20C476	"	4/7/2020 10:40:00PM
0D07056-ICV1	Initial Cal Check	Soil	A20C479	"	4/7/2020 11:44:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0D0804** Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan) Sequence: **0D07056** Matrix: **Soil**

0D07056-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0D07056-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 quadratic fit compounds.

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0D07056

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 option, they must be checked against the requested curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0D0804**

Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan)

Sequence: **0D07056**

Matrix: Soil

0D07056-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 : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:58 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

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	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	100	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	38.067	23.9	79	0.00
3 T	Decalin	50.000	41.463	17.1	88	0.00
4 T	Naphthalene	50.000	46.475	7.0	96	0.00
5 T	2-Methylnaphthalene	50.000	49.193	1.6	98	0.00
6 T	1-Methylnaphthalene	50.000	49.741	0.5	99	0.00
7 T	1,1'-Biphenyl	50.000	50.032	-0.1	101	0.00
8 T	2,6-Dimethylnaphthalene	50.000	50.010	-0.0	101	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	99	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	51.187	-2.4	102	0.00
11 T	Acenaphthylene	50.000	50.464	-0.9	97	0.00
12 T	Acenaphthene	50.000	50.180	-0.4	99	0.00
13 T	Dibenzofuran	50.000	52.969	-5.9	105	0.00
14 T	1,6,7-Trimethylnaphthalene	50.000	51.548	-3.1	103	0.00
15 T	Fluorene	50.000	51.338	-2.7	104	0.00
16 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	109	0.00
17 T	Dibenzothiopene	50.000	46.957	6.1	101	0.00
18 T	Phenanthrene	50.000	49.287	1.4	109	0.00
19 T	Anthracene	50.000	49.565	0.9	107	0.00
20 T	Carbazole	50.000	49.867	0.3	103	0.00
21 T	1-Methylphenanthrene	50.000	50.546	-1.1	107	0.00
22 T	Fluoranthene	50.000	48.648	2.7	105	0.00
23 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	88	0.00
24 T	Pyrene	50.000	56.518	-13.0	104	0.00
25 S	Terphenyl-d14 (Surr)	50.000	51.739	-3.5	91	0.00
26 T	Benz(a)anthracene	50.000	46.660	6.7	86	0.00
27 T	Chrysene	50.000	51.045	-2.1	90	0.00
28 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	83	0.00
29 T	Benzo(b)fluoranthene	50.000	46.576	6.8	80	0.00
30 T	Benzo(k)fluoranthene	50.000	49.454	1.1	82	0.00
31 T	Benzo(b+k)fluoranthene	100.000	97.550	2.5	82	0.00
32 T	Benzo(e)pyrene	50.000	49.681	0.6	85	0.00
33 T	Benzo(a)pyrene	50.000	49.592	0.8	78	0.00
34 T	Perylene	50.000	52.757	-5.5	81	0.00
35 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	79	0.00
36 T	Indeno(1,2,3-cd)Pyrene	50.000	47.755	4.5	76	0.00
37 T	Dibenz(a,h)anthracene	50.000	48.550	2.9	76	0.00
38 T	Benzo(g,h,i)perylene	50.000	52.008	-4.0	80	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

gpd 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.653	150	240709	2.00	ug/mL	0.00
2) Naphthalene-d8	7.854	136	713167	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.620	162	406349	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.130	188	757910	2.00	ug/mL	0.00
11) Chrysene-d12	14.819	240	611764	2.00	ug/mL	0.00
12) Perylene-d12	16.842	264	570030	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	18.066	292	501838	2.00	ug/mL #	0.00
Target Compounds						
4) Pentachlorophenol	10.949	266	1845493	48.09	ug/mL	83
6) DFTPP	11.427	442	2747851	44.91	ug/mL#	69
7) Benzidine	12.593	184	7014847	26.02	ug/mL	98
8) 4,4-DDE	12.837	TIC	341628	No Calib		
9) 4,4-DDD	13.345	TIC	396978	No Calib		
10) 4,4-DDT	13.916	TIC	24135849	31.05	ug/mL	95

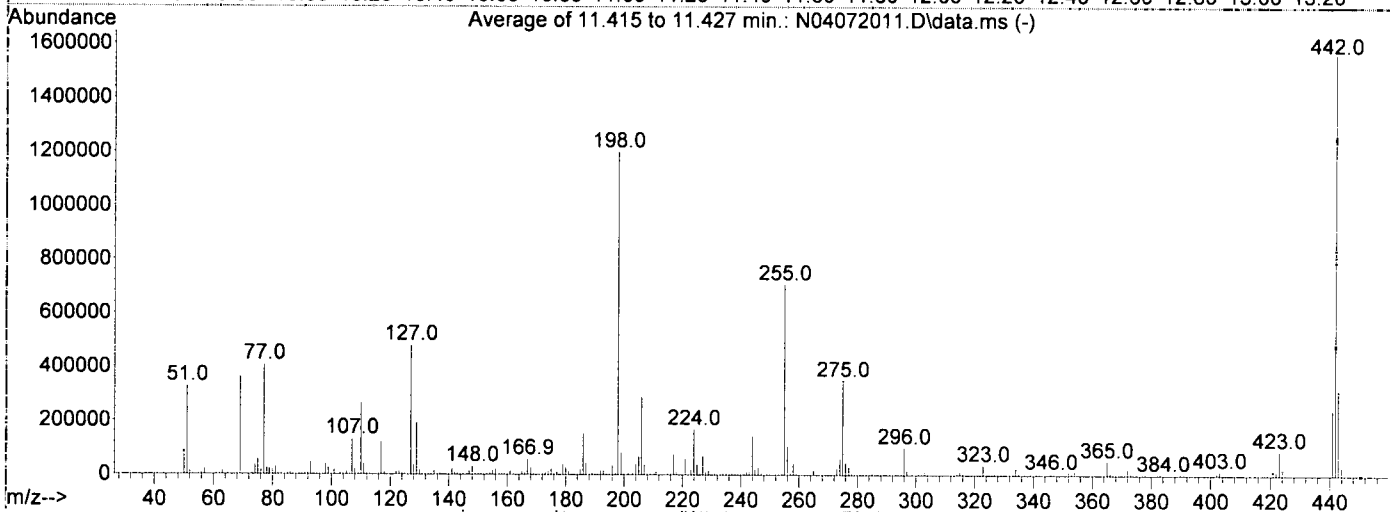
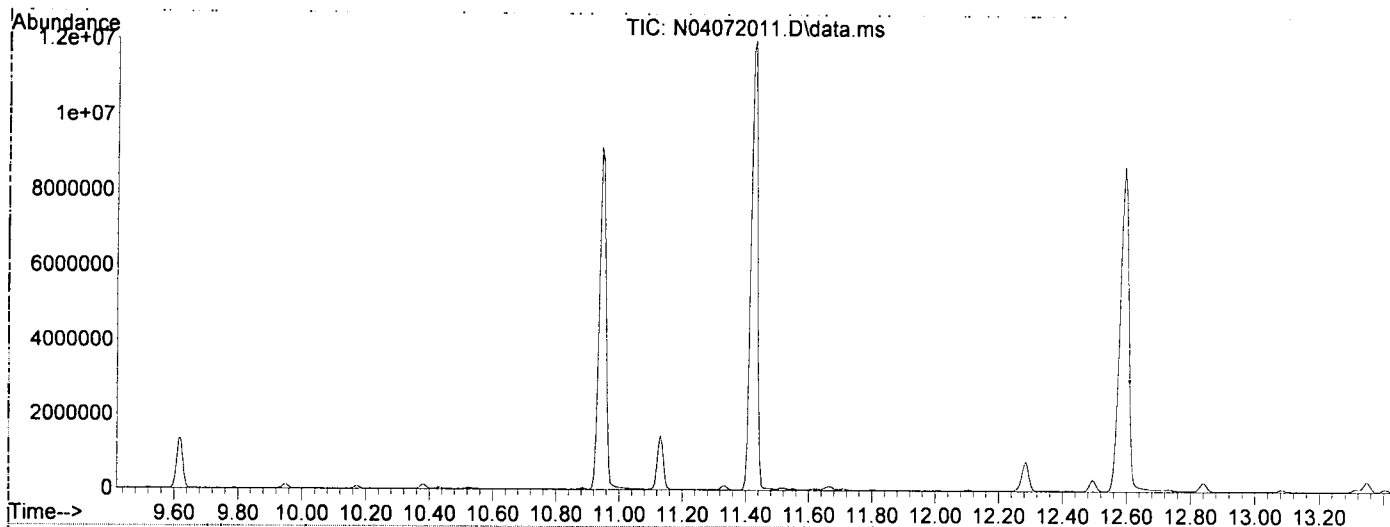
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : N:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Wed Apr 08 09:38:16 2020

Handwritten: 4/8/20



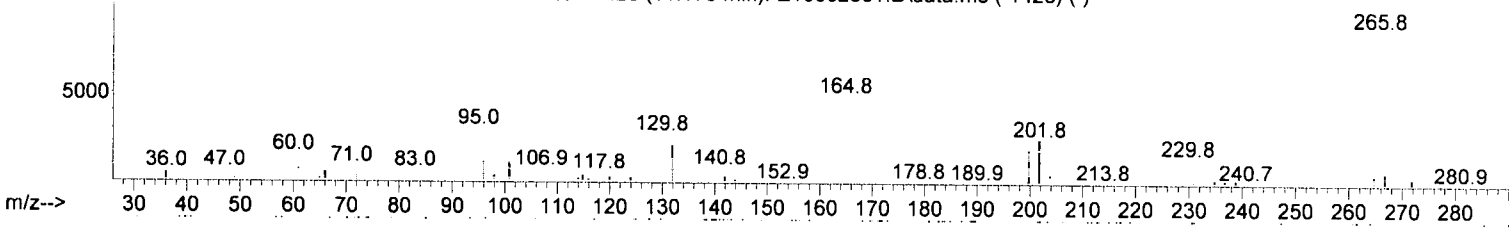
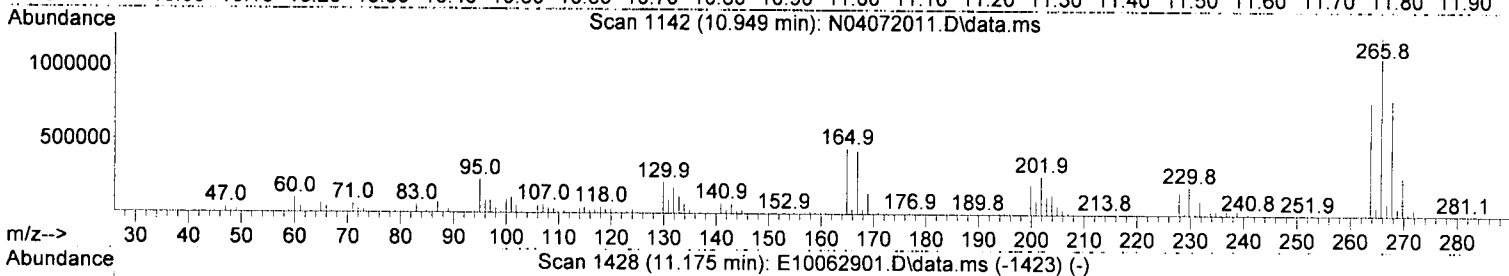
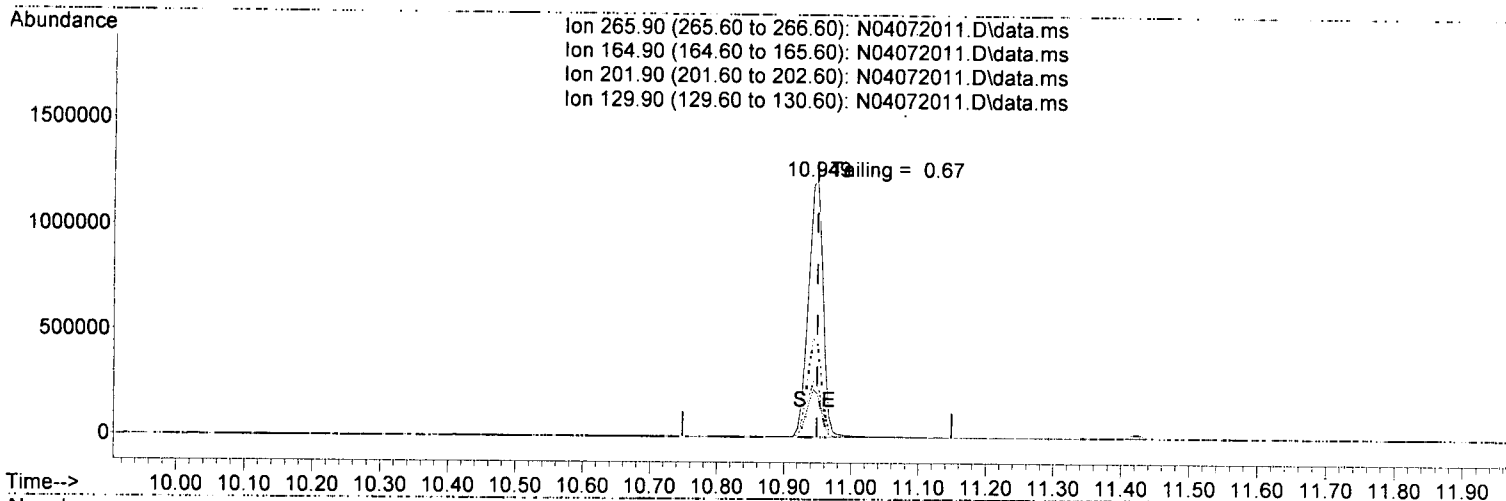
AutoFind: Scans 1222, 1223, 1224; Background Corrected with Scan 1216

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	6083	PASS
69	69	100	100	100.0	365241	PASS
70	69	0.00	2	0.5	1854	PASS
197	198	0.00	2	0.5	6580	PASS
198	198	100	100	100.0	1198699	PASS
199	198	5	9	6.9	82376	PASS
365	198	1	100	4.3	51179	PASS
441	443	0.01	150	77.3	240704	PASS
442	198	0.10	200	130.5	1564779	PASS
443	442	15	24	19.9	311317	PASS

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(4) Pentachlorophenol

10.949min (0.000) 48.09 ug/mL

response 1845493

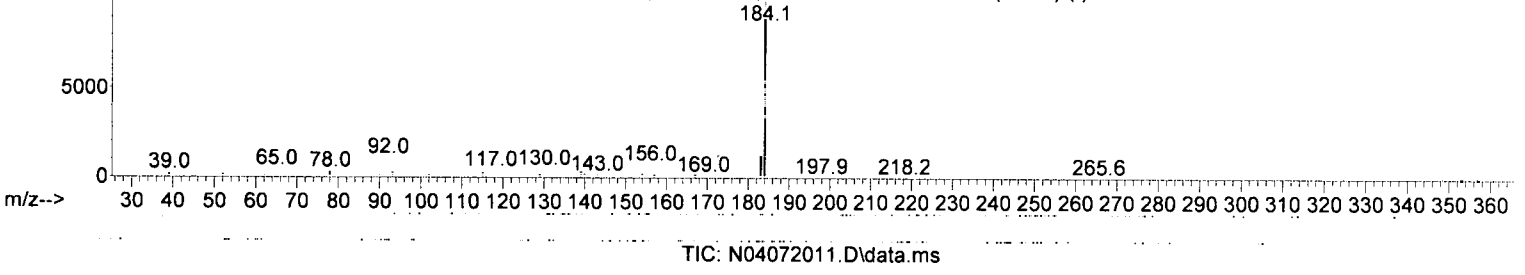
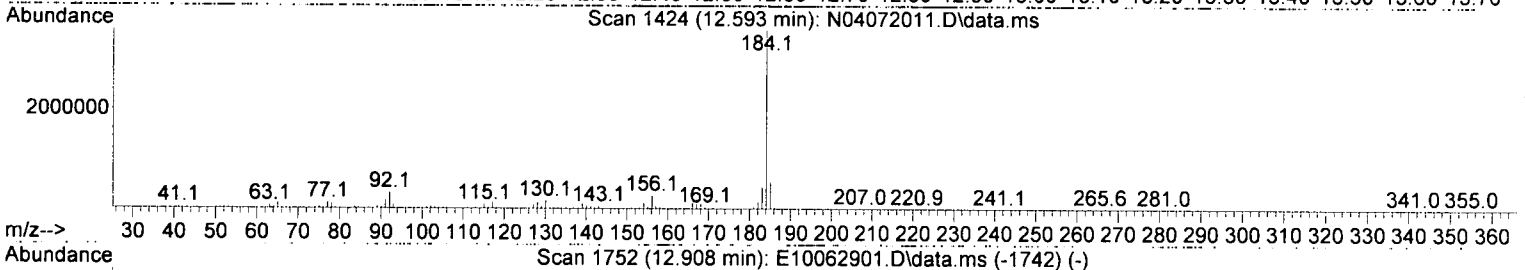
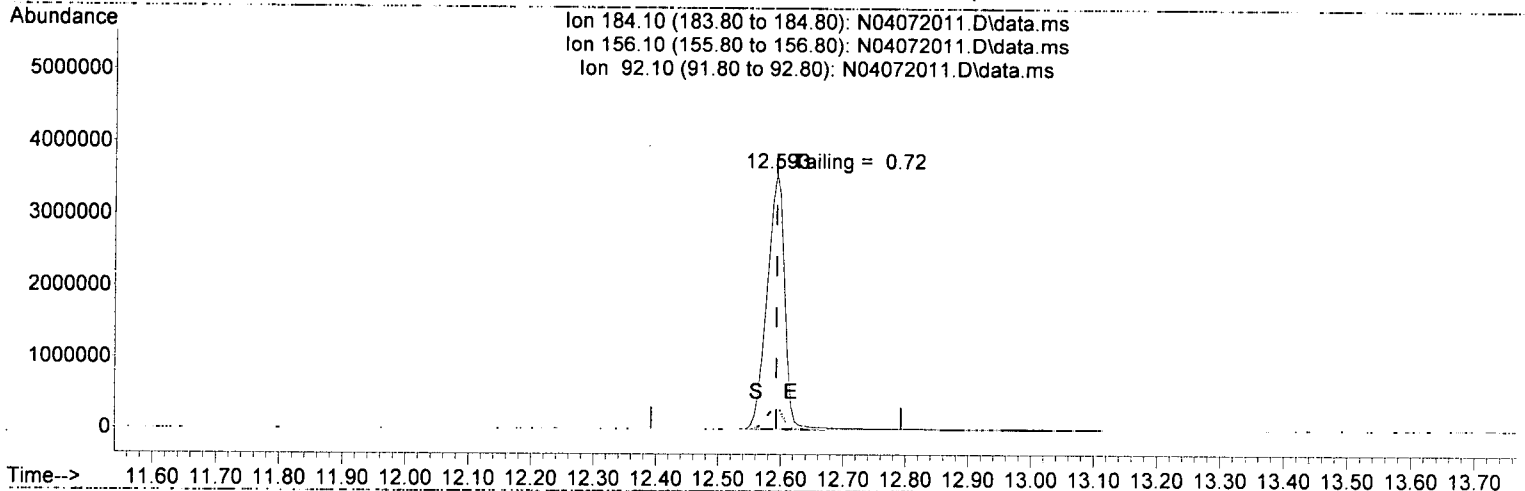
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	36.50
201.90	25.80	21.24
129.90	27.30	17.26

Handwritten signature and date: JK 4/8/20

Quantitation Report (Qedit)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N04072011.D\data.ms

(7) Benzidine

12.593min (0.000) 26.02 ug/mL

response 7014847

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.22
92.10	8.20	8.66
0.00	0.00	0.00

Handwritten signature and date: 4/8/20

DDT Breakdown Check (Validated 5/1/2013)

From:
OD07056-TUN1
SV-GCMS14

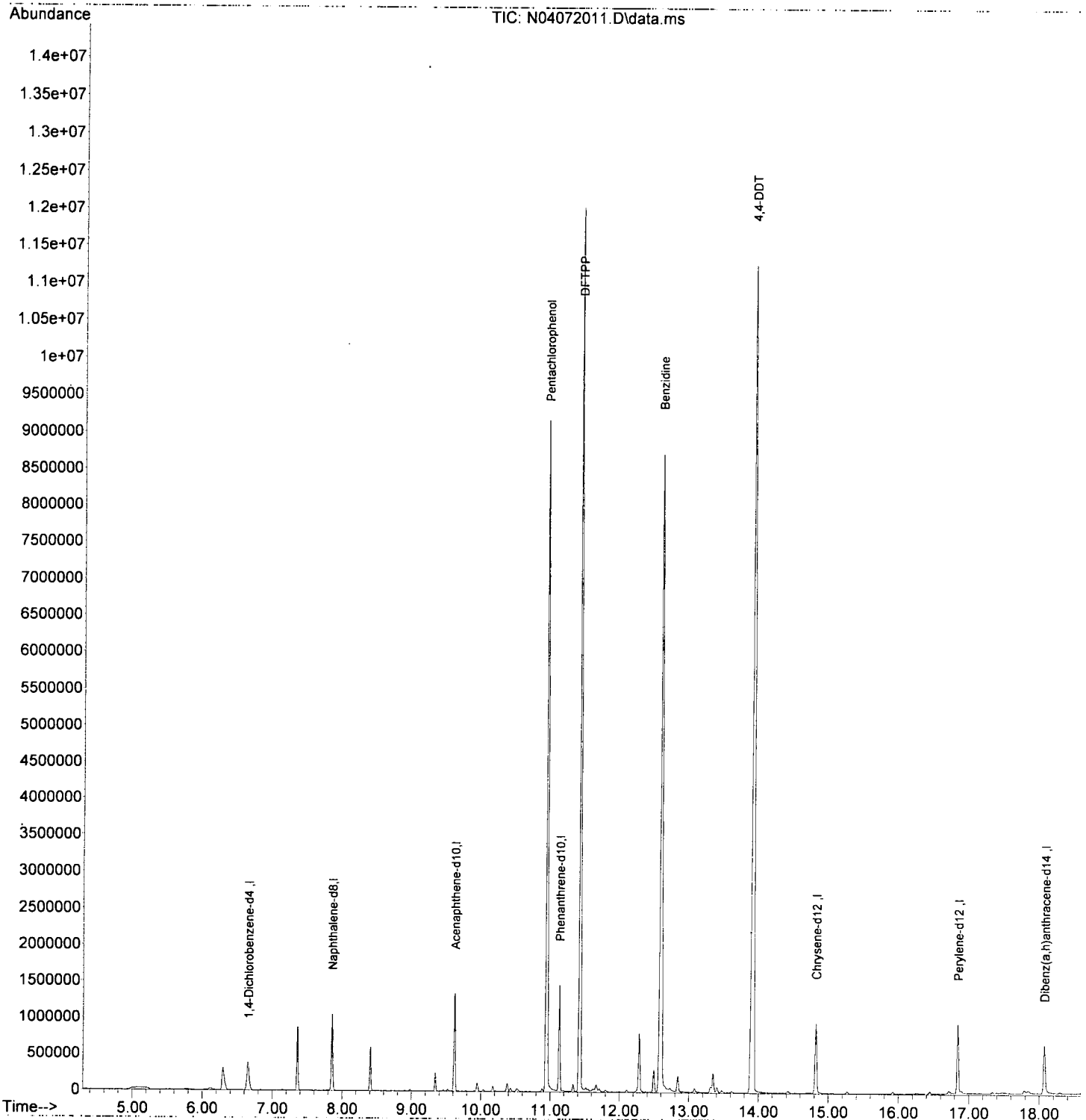
First Column Area Counts	Percent Breakdown
DDE 341628	
DDD 396978	
DDT 24135849	2.97 PASS

✓
JK 4/8/20

Breakdown must be less than 20% to accept sample data.

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072011.D
 Acq On : 07 Apr 2020 16:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-TUN1
 Misc : 1x, A20C407 DFTPP @ 45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Apr 08 09:38:32 2020
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Apr 08 09:38:16 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072012.D
 Acq On : 07 Apr 2020 17:07
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICB1
 Misc : 1x, DCM+ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:04 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

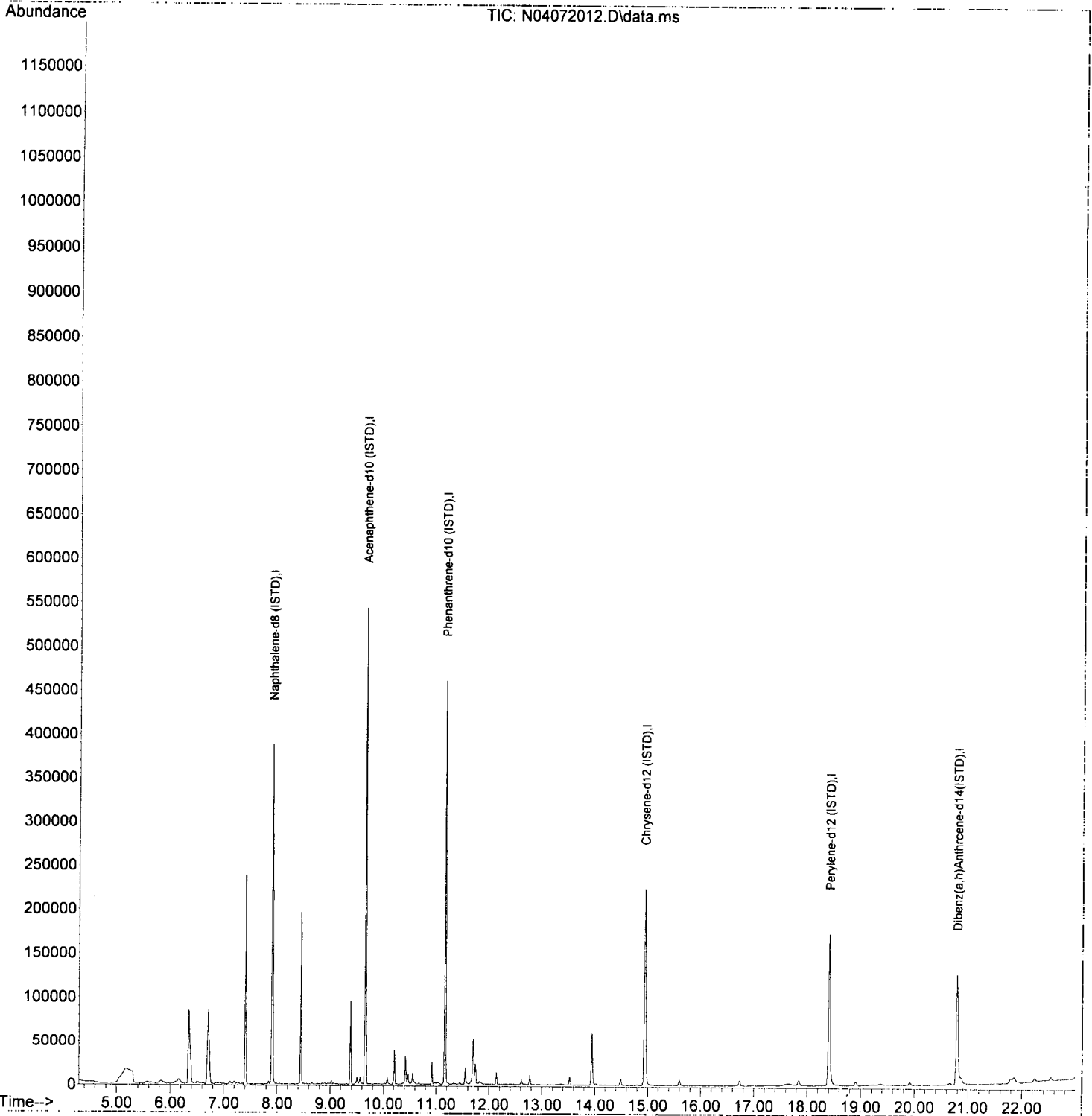
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	175674	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	149144	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	126750	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	178	0.29	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	248	0.09	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	284	0.17	ng/ml	0.00	
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.936	128	452	N.D.			
5) 2-Methylnaphthalene	8.612	142	80	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	9.078	154	289	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
11) Acenaphthylene	9.521	152	86	N.D.			
12) Acenaphthene	0.000		0	N.D.			
13) Dibenzofuran	9.865	168	94	N.D.			
14) 1,6,7-Trimethylnaphtha...	10.075	170	51	N.D.			
15) Fluorene	10.215	166	103	N.D.			
17) Dibenzothiopene	11.066	184	278	N.D.			
18) Phenanthrene	11.188	178	313	N.D.			
19) Anthracene	11.188	178	300	N.D.			
20) Carbazole	11.398	167	106	N.D.			
21) 1-Methylphenanthrene	11.818	192	50	N.D.			
22) Fluoranthene	12.459	202	59	N.D.			
24) Pyrene	12.750	202	69	N.D.			
26) Benz(a)anthracene	14.942	228	504	N.D.			
27) Chrysene	14.994	228	96	N.D.			
29) Benzo(b)fluoranthene	0.000		0	N.D.			
30) Benzo(k)fluoranthene	0.000		0	N.D.			
31) Benzo(b+k)fluoranthene	0.000		0	N.D.			
32) Benzo(e)pyrene	18.410	252	471	N.D.			
33) Benzo(a)pyrene	0.000		0	N.D.			
34) Perylene	18.474	252	71	N.D.			
36) Indeno(1,2,3-cd)Pyrene	20.788	276	97	N.D.			
37) Dibenz(a,h)anthracene	0.000		0	N.D.			
38) 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 : N:\data\2020-04\0D07056\
Data File : N04072012.D
Acq On : 07 Apr 2020 17:07
Operator : JK/ AMS/ DTH
Sample : 0D07056-ICB1
Misc : 1x, DCM+ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:04 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072012.D
 Acq On : 07 Apr 2020 17:07
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICB1
 Misc : 1x, DCM+ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Apr 08 10:25:50 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

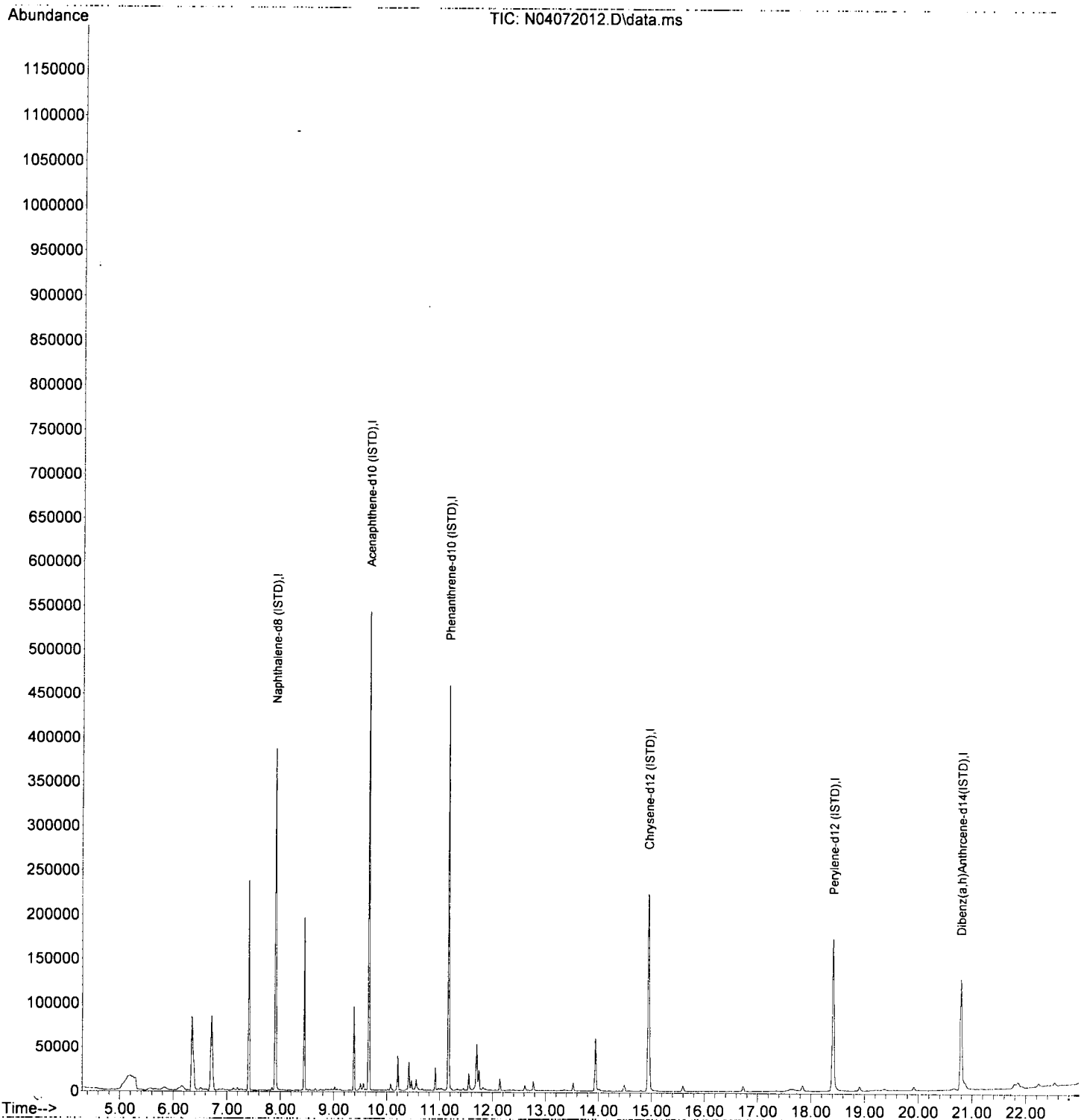
AD 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.906	136	278751	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.661	162	161180	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	11.165	188	252730	100.00	ng/ml	0.00
23) Chrysene-d12 (ISTD)	14.942	240	175674	100.00	ng/ml	0.00
28) Perylene-d12 (ISTD)	18.410	264	149144	100.00	ng/ml	0.00
35) Dibenz(a,h)Anthracene-d...	20.788	292	126750	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.201	82	178	0.20	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.973	172	248	0.10	ng/ml	0.00
25) Terphenyl-d14 (Surr)	12.954	244	284	0.17	ng/ml	0.00
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.936	128	452	N.D.		
5) 2-Methylnaphthalene	8.612	142	80	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	9.078	154	289	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.521	152	86	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.865	168	94	N.D.		
14) 1,6,7-Trimethylnaphtha...	10.075	170	51	N.D.		
15) Fluorene	10.215	166	103	N.D.		
17) Dibenzothiopene	11.066	184	278	N.D.		
18) Phenanthrene	11.188	178	313	N.D.		
19) Anthracene	11.188	178	300	N.D.		
20) Carbazole	11.398	167	106	N.D.		
21) 1-Methylphenanthrene	11.818	192	50	N.D.		
22) Fluoranthene	12.459	202	59	N.D.		
24) Pyrene	12.750	202	69	N.D.		
26) Benz(a)anthracene	14.942	228	504	N.D.		
27) Chrysene	14.994	228	96	N.D.		
29) Benzo(b)fluoranthene	0.000		0	N.D.		
30) Benzo(k)fluoranthene	0.000		0	N.D.		
31) Benzo(b+k)fluoranthene	0.000		0	N.D.		
32) Benzo(e)pyrene	18.410	252	471	N.D.		
33) Benzo(a)pyrene	0.000		0	N.D.		
34) Perylene	18.474	252	71	N.D.		
36) Indeno(1,2,3-cd)Pyrene	20.788	276	97	N.D.		
37) Dibenz(a,h)anthracene	0.000		0	N.D.		
38) Benzo(g,h,i)perylene	0.000		0	N.D.		

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072012.D
 Acq On : 07 Apr 2020 17:07
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICB1
 Misc : 1x, DCM+ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:50 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:13 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

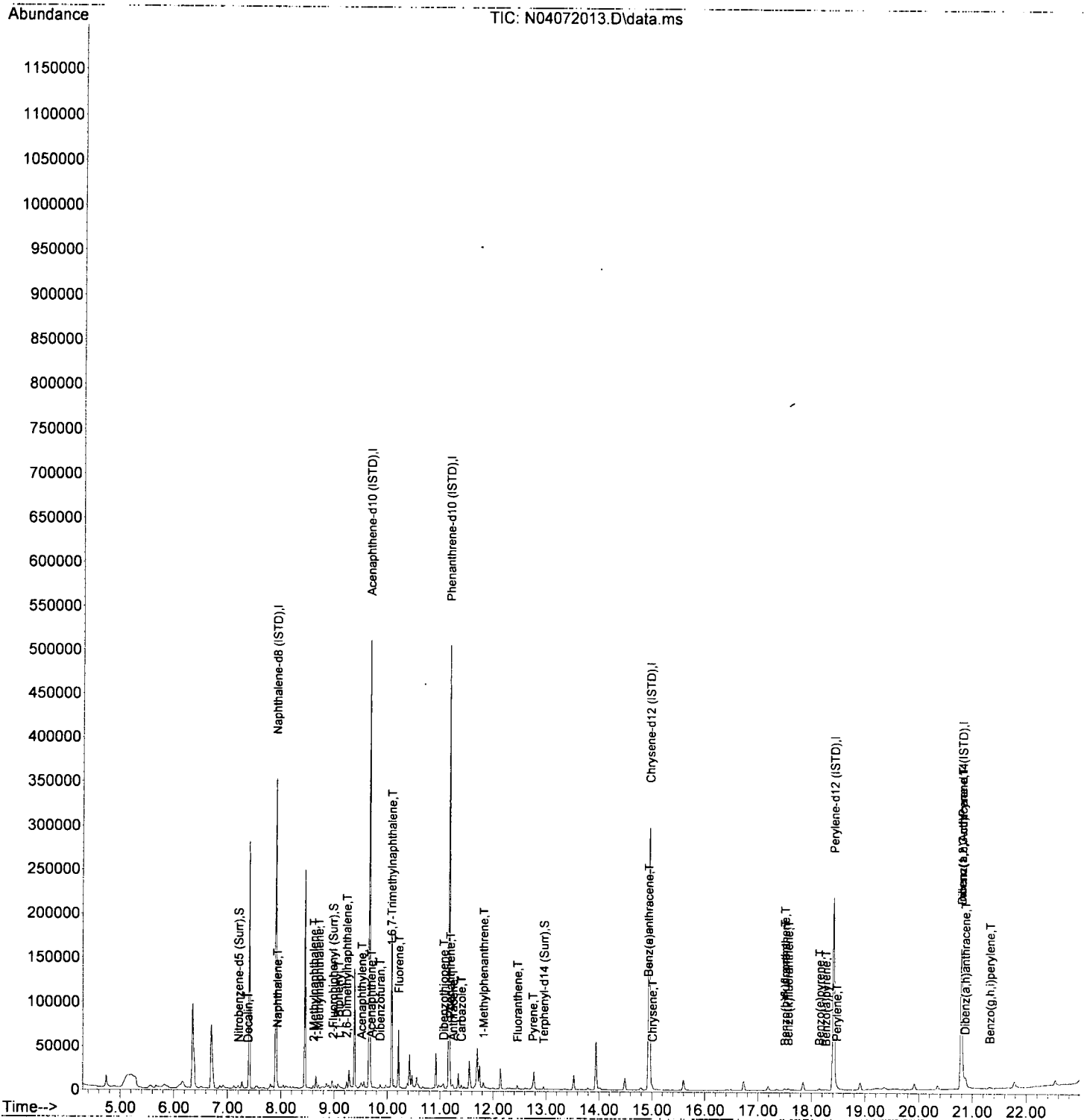
JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	243074	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	149679	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	271576	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	224745	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	189170	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	160677	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	840	1.54	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	2174	0.85	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	2235	1.05	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	130	0.74	ng/ml		85
4) Naphthalene	7.930	128	2892	1.10	ng/ml		97
5) 2-Methylnaphthalene	8.612	142	1659	0.99	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	1756	1.10	ng/ml		94
7) 1,1'-Biphenyl	9.078	154	2427	1.13	ng/ml		93
8) 2,6-Dimethylnaphthalene	9.235	156	1477	1.10	ng/ml		95
11) Acenaphthylene	9.515	152	2466	0.95	ng/ml		96
12) Acenaphthene	9.696	153	2085	1.07	ng/ml		97
13) Dibenzofuran	9.865	168	2370	0.85	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	1667	1.01	ng/ml		71
15) Fluorene	10.215	166	2108	1.11	ng/ml		94
17) Dibenzothiopene	11.060	184	2936	1.07	ng/ml		96
18) Phenanthrene	11.188	178	3463	1.12	ng/ml		98
19) Anthracene	11.240	178	2627	1.03	ng/ml		95
20) Carbazole	11.398	167	2085	0.98	ng/ml		95
21) 1-Methylphenanthrene	11.817	192	1983	0.99	ng/ml		94
22) Fluoranthene	12.459	202	2793	0.97	ng/ml		100
24) Pyrene	12.750	202	2915	1.07	ng/ml		96
26) Benz(a)anthracene	14.924	228	2758	1.22	ng/ml		95
27) Chrysene	15.006	228	2483	1.04	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	1958	1.00	ng/ml		94
30) Benzo(k)fluoranthene	17.564	252	1851	0.93	ng/ml		88
31) Benzo(b+k)fluoranthene	17.500	252	3809	1.84	ng/ml		92
32) Benzo(e)pyrene	18.147	252	1806	0.90	ng/ml		96
33) Benzo(a)pyrene	18.264	252	1158	1.01	ng/ml		93
34) Perylene	18.468	252	1518	0.72	ng/ml		96
36) Indeno(1,2,3-cd)Pyrene	20.788	276	1652	0.93	ng/ml		83
37) Dibenz(a,h)anthracene	20.858	278	1657	0.88	ng/ml		81
38) Benzo(g,h,i)perylene	21.318	276	1550	0.81	ng/ml		78

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072013.D
 Acq On : 07 Apr 2020 17:38
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL1
 Misc : 1x, A20C467@1PPB
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:13 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\
 Data File : N04072014.D
 Acq On : 07 Apr 2020 18:10
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL2
 Misc : 1x, A20C468@2PPB
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:17 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

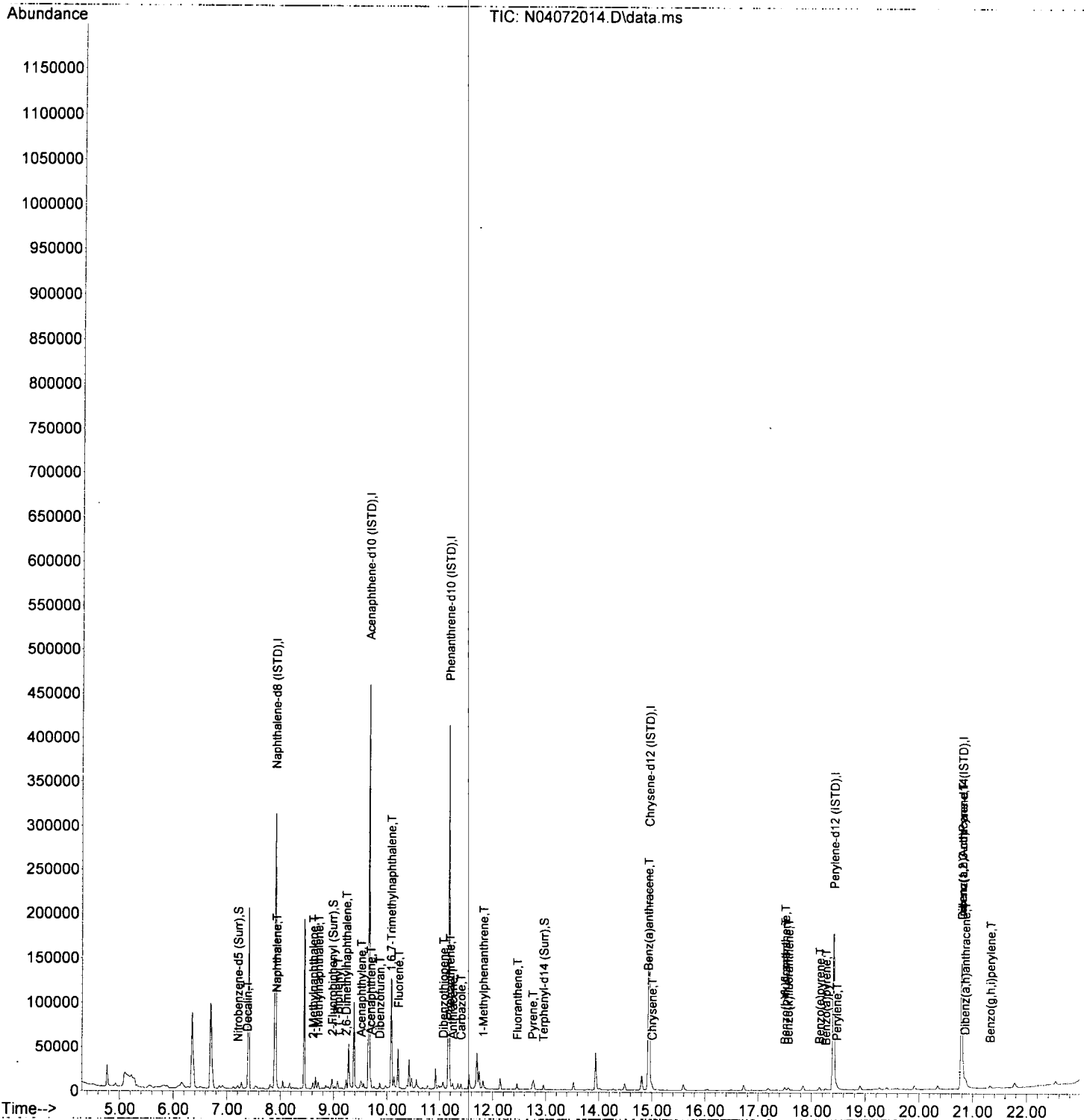
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	243705	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	135566	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	223200	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	187464	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	158010	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	141496	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	1542	2.82	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	4191	1.81	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	3444	1.94	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	340	1.93	ng/ml		94
4) Naphthalene	7.924	128	5600	2.13	ng/ml		97
5) 2-Methylnaphthalene	8.612	142	3410	2.04	ng/ml		96
6) 1-Methylnaphthalene	8.711	142	3462	2.16	ng/ml		95
7) 1,1'-Biphenyl	9.078	154	4239	1.96	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.235	156	2853	2.11	ng/ml		97
11) Acenaphthylene	9.515	152	4668	1.98	ng/ml		99
12) Acenaphthene	9.696	153	3799	2.14	ng/ml		97
13) Dibenzofuran	9.865	168	4370	1.72	ng/ml		94
14) 1,6,7-Trimethylnaphtha...	10.075	170	2754	1.85	ng/ml		82
15) Fluorene	10.215	166	3434	2.00	ng/ml		96
17) Dibenzothiopene	11.060	184	4432	1.97	ng/ml		96
18) Phenanthrene	11.188	178	5324	2.10	ng/ml		99
19) Anthracene	11.240	178	3785	1.81	ng/ml		98
20) Carbazole	11.398	167	3308	1.90	ng/ml		96
21) 1-Methylphenanthrene	11.817	192	3257	1.97	ng/ml		99
22) Fluoranthene	12.459	202	4694	1.97	ng/ml		97
24) Pyrene	12.750	202	4749	2.10	ng/ml		99
26) Benz(a)anthracene	14.924	228	4134	2.18	ng/ml		95
27) Chrysene	15.000	228	4350	2.18	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	3031	1.86	ng/ml		95
30) Benzo(k)fluoranthene	17.564	252	2864	1.71	ng/ml		91
31) Benzo(b+k)fluoranthene	17.500	252	6349	3.66	ng/ml		93
32) Benzo(e)pyrene	18.147	252	3379	2.01	ng/ml		92
33) Benzo(a)pyrene	18.264	252	2009	1.85	ng/ml		98
34) Perylene	18.468	252	2648	1.49	ng/ml		98
36) Indeno(1,2,3-cd)Pyrene	20.788	276	2847	1.81	ng/ml		95
37) Dibenz(a,h)anthracene	20.852	278	2764	1.66	ng/ml		84
38) Benzo(g,h,i)perylene	21.318	276	2738	1.62	ng/ml		80

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072014.D
 Acq On : 07 Apr 2020 18:10
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL2
 Misc : 1x, A20C468@2PPB
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:17 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072015.D
 Acq On : 07 Apr 2020 18:42
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL3
 Misc : 1x, A20C469@5PPB
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:21 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

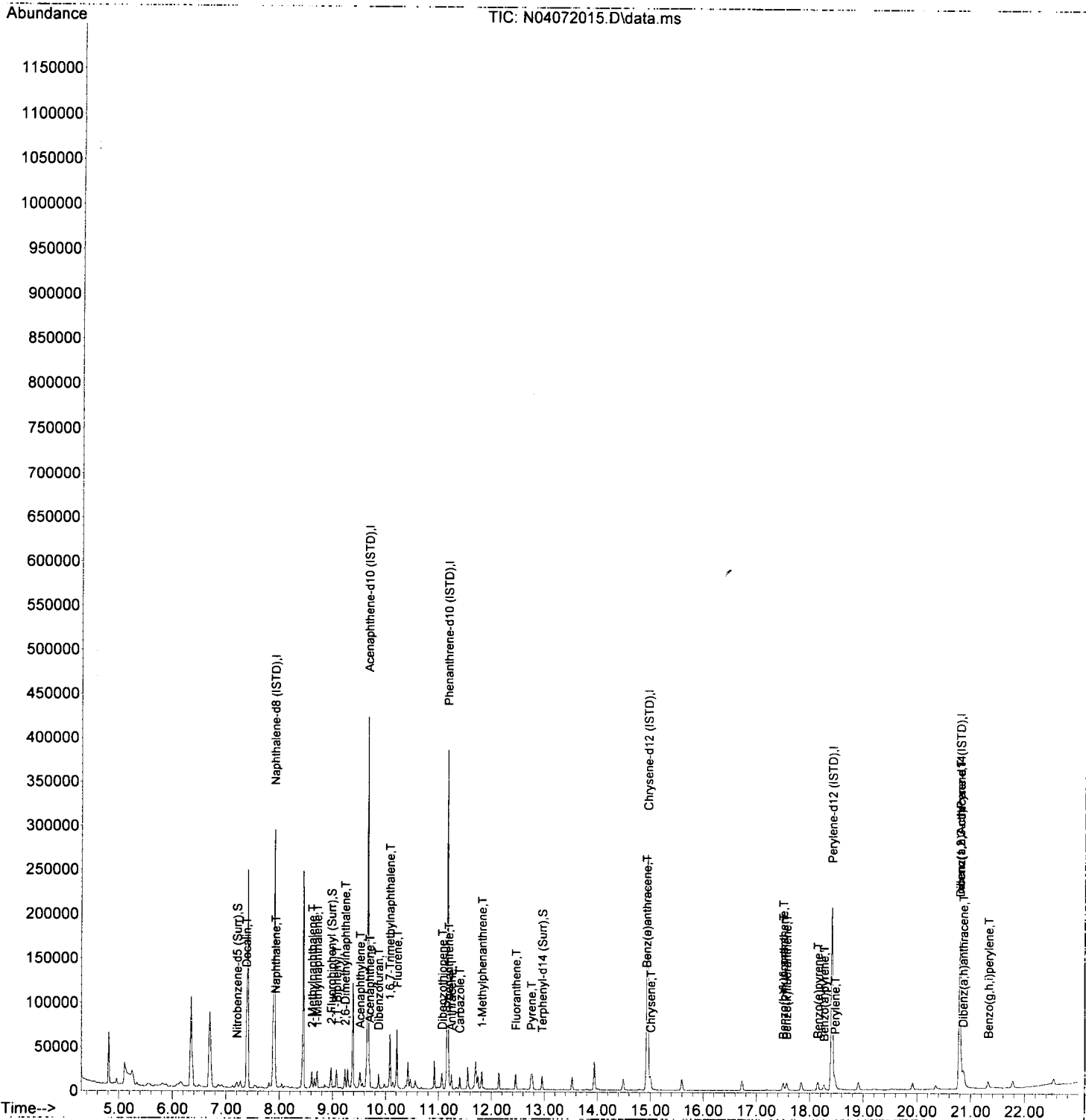
9/2 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	254846	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	131499	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	216520	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	206205	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	181653	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	160102	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	4141	7.25	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	10979	4.88	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	9709	4.96	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	1190	6.44	ng/ml		96
4) Naphthalene	7.924	128	14431	5.25	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	9092	5.20	ng/ml		96
6) 1-Methylnaphthalene	8.711	142	8964	5.36	ng/ml		95
7) 1,1'-Biphenyl	9.072	154	10903	4.83	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.235	156	7289	5.16	ng/ml		98
11) Acenaphthylene	9.515	152	11532	5.05	ng/ml		97
12) Acenaphthene	9.696	153	9358	5.45	ng/ml		99
13) Dibenzofuran	9.865	168	10882	4.42	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	6797	4.71	ng/ml		100
15) Fluorene	10.215	166	8294	4.97	ng/ml		98
17) Dibenzothiopene	11.066	184	10769	4.94	ng/ml		96
18) Phenanthrene	11.188	178	13195	5.37	ng/ml		98
19) Anthracene	11.240	178	9521	4.68	ng/ml		99
20) Carbazole	11.398	167	8731	5.17	ng/ml		97
21) 1-Methylphenanthrene	11.817	192	8102	5.06	ng/ml		98
22) Fluoranthene	12.459	202	11760	5.10	ng/ml		96
24) Pyrene	12.750	202	12228	4.91	ng/ml		99
26) Benz(a)anthracene	14.924	228	10093	4.85	ng/ml		98
27) Chrysene	15.006	228	11149	5.09	ng/ml		97
29) Benzo(b)fluoranthene	17.500	252	8620	4.59	ng/ml		92
30) Benzo(k)fluoranthene	17.564	252	8275	4.31	ng/ml		93
31) Benzo(b+k)fluoranthene	17.500	252	18526	9.30	ng/ml		90
32) Benzo(e)pyrene	18.147	252	9139	4.73	ng/ml		97
33) Benzo(a)pyrene	18.264	252	5994	4.43	ng/ml		94
34) Perylene	18.468	252	8831	4.33	ng/ml		97
36) Indeno(1,2,3-cd)Pyrene	20.788	276	8244	4.64	ng/ml		86
37) Dibenz(a,h)anthracene	20.852	278	8753	4.64	ng/ml		85
38) Benzo(g,h,i)perylene	21.324	276	8418	4.41	ng/ml		84

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072015.D
 Acq On : 07 Apr 2020 18:42
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL3
 Misc : 1x, A20C469@5PPB
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:21 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072016.D
 Acq On : 07 Apr 2020 19:28
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL4
 Misc : 1x, A20C470@10PPB
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:25 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

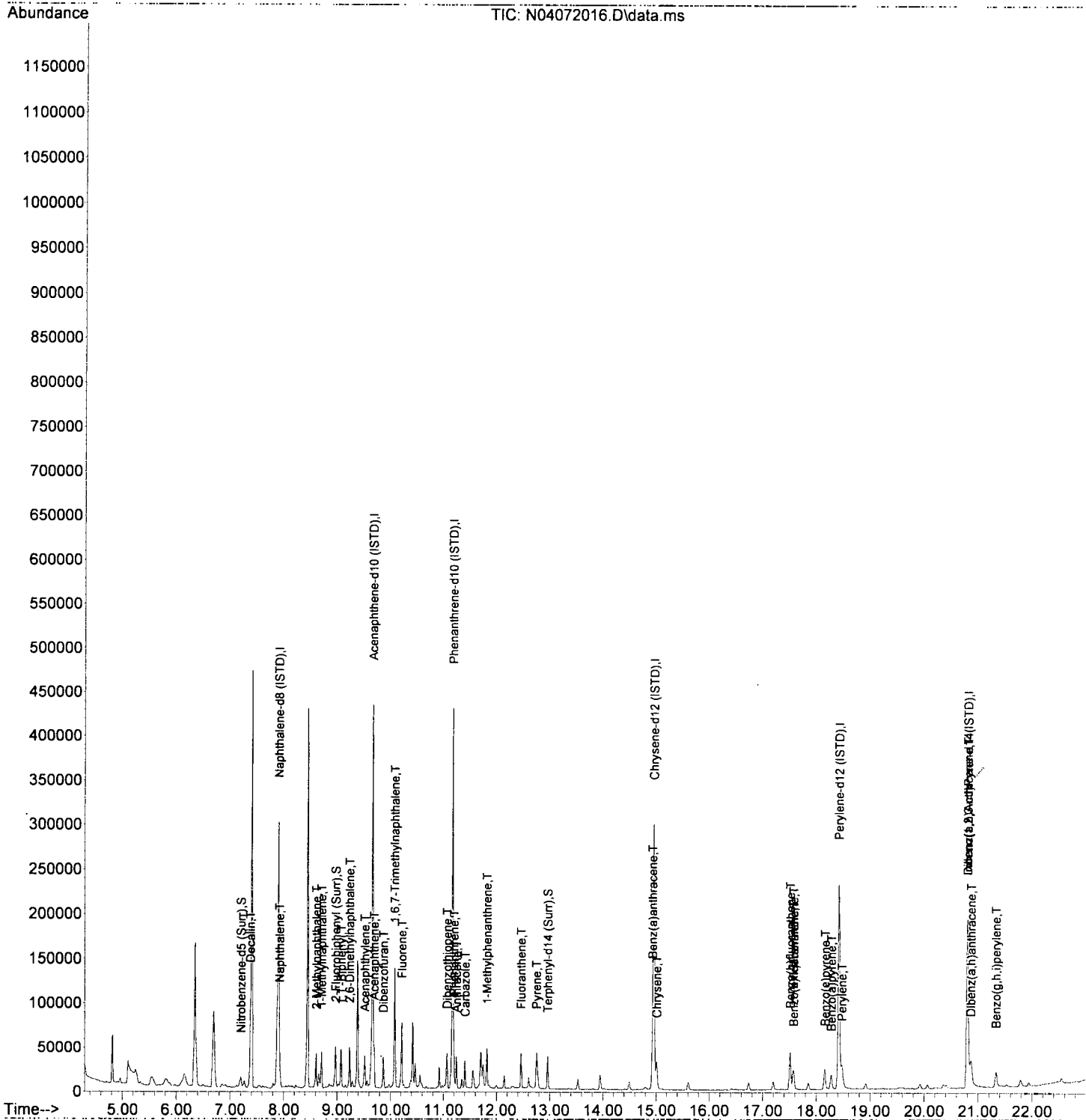
Handwritten: Jd 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.907	136	270985	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	140702	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.171	188	243789	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	224123	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.416	264	205793	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.799	292	175208	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	7904	13.02	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	22576	9.39	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	22061	10.37	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	2225	11.33	ng/ml		85
4) Naphthalene	7.924	128	29903	10.23	ng/ml		99
5) 2-Methylnaphthalene	8.612	142	19067	10.25	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	19186	10.78	ng/ml		95
7) 1,1'-Biphenyl	9.078	154	24176	10.07	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.235	156	15846	10.55	ng/ml		95
11) Acenaphthylene	9.521	152	25120	10.28	ng/ml		97
12) Acenaphthene	9.696	153	19684	10.71	ng/ml		98
13) Dibenzofuran	9.871	168	23912	9.08	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.081	170	14575	9.44	ng/ml		98
15) Fluorene	10.215	166	18241	10.21	ng/ml		98
17) Dibenzothiopene	11.066	184	24599	10.03	ng/ml		95
18) Phenanthrene	11.194	178	28266	10.22	ng/ml		100
19) Anthracene	11.246	178	22111	9.66	ng/ml		100
20) Carbazole	11.404	167	20204	10.62	ng/ml		98
21) 1-Methylphenanthrene	11.818	192	18661	10.35	ng/ml		97
22) Fluoranthene	12.459	202	27227	10.48	ng/ml		96
24) Pyrene	12.750	202	28915	10.69	ng/ml		98
26) Benz(a)anthracene	14.930	228	21888	9.67	ng/ml		98
27) Chrysene	15.012	228	23333	9.79	ng/ml		100
29) Benzo(b)fluoranthene	17.512	252	20389	9.58	ng/ml		92
30) Benzo(k)fluoranthene	17.576	252	20616	9.48	ng/ml		92
31) Benzo(b+k)fluoranthene	17.576	252	44218	19.60	ng/ml		92
32) Benzo(e)pyrene	18.159	252	21685	9.91	ng/ml		98
33) Benzo(a)pyrene	18.276	252	15453	9.75	ng/ml		96
34) Perylene	18.474	252	22348	9.68	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.799	276	18462	9.49	ng/ml		83
37) Dibenz(a,h)anthracene	20.864	278	18337	8.89	ng/ml		85
38) Benzo(g,h,i)perylene	21.330	276	18938	9.07	ng/ml		84

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072016.D
 Acq On : 07 Apr 2020 19:28
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL4
 Misc : 1x, A20C470@10PPB
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:25 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072017.D
 Acq On : 07 Apr 2020 20:00
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL5
 Misc : 1x, A20C471@20PPB
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:30 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

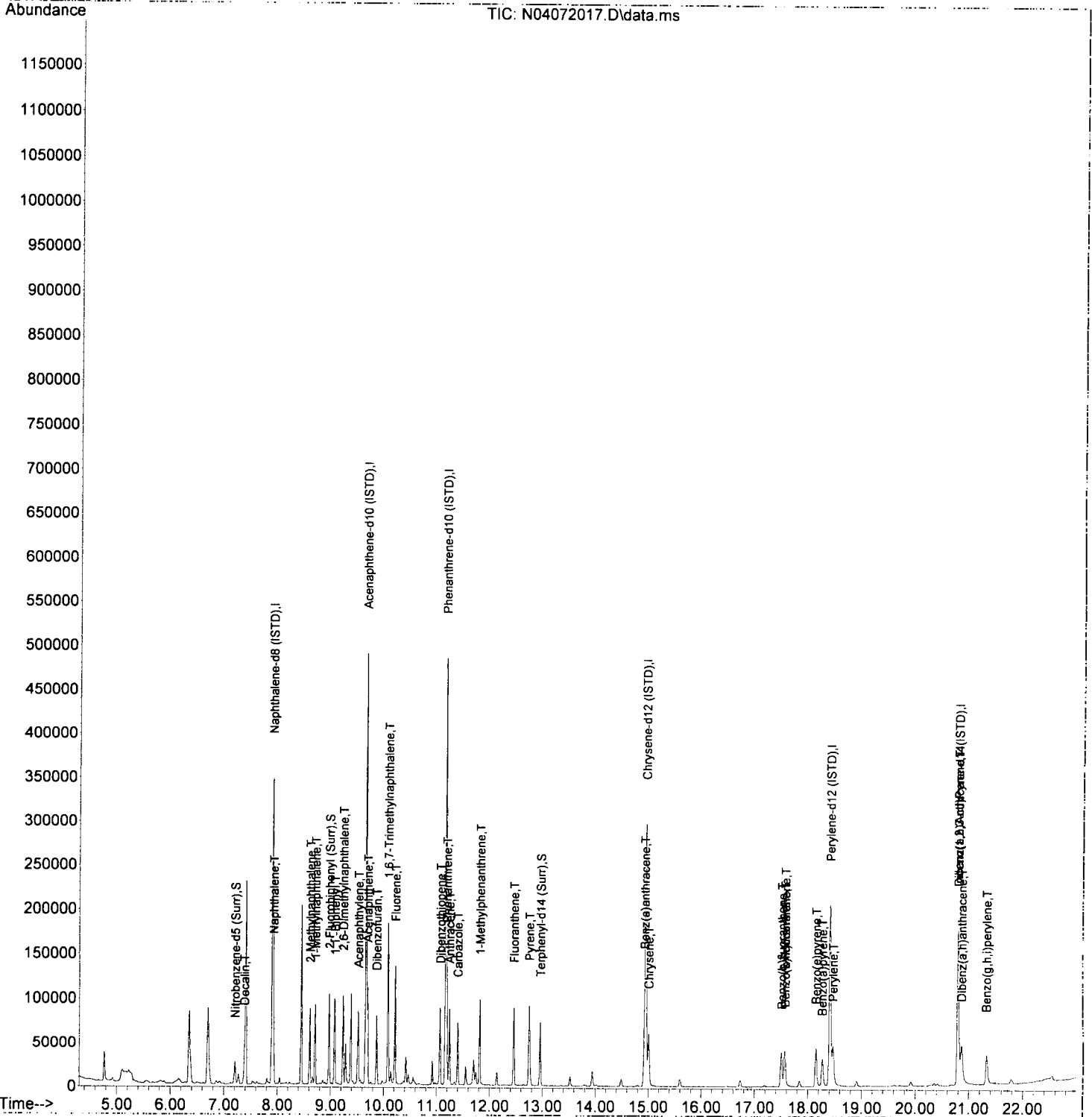
9/27/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	258751	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	148424	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	266029	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	214808	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	187485	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.794	292	149877	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	15766	27.20	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	46527	18.34	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	43811	21.48	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	3947	21.05	ng/ml		88
4) Naphthalene	7.924	128	57019	20.43	ng/ml		99
5) 2-Methylnaphthalene	8.612	142	37992	21.38	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	38641	22.75	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	49046	21.39	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	33645	23.45	ng/ml		95
11) Acenaphthylene	9.521	152	55074	21.36	ng/ml		99
12) Acenaphthene	9.696	153	41060	21.17	ng/ml		99
13) Dibenzofuran	9.865	168	50939	18.34	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.081	170	33116	20.32	ng/ml		97
15) Fluorene	10.215	166	39965	21.21	ng/ml		99
17) Dibenzothiopene	11.066	184	54876	20.51	ng/ml		95
18) Phenanthrene	11.188	178	61279	20.30	ng/ml		100
19) Anthracene	11.240	178	51771	20.73	ng/ml		100
20) Carbazole	11.398	167	44104	21.24	ng/ml		99
21) 1-Methylphenanthrene	11.817	192	41436	21.06	ng/ml		100
22) Fluoranthene	12.459	202	58425	20.61	ng/ml		96
24) Pyrene	12.750	202	61609	23.77	ng/ml		99
26) Benz(a)anthracene	14.924	228	41414	19.09	ng/ml		100
27) Chrysene	15.006	228	46060	20.17	ng/ml		99
29) Benzo(b)fluoranthene	17.506	252	37506	19.35	ng/ml		94
30) Benzo(k)fluoranthene	17.570	252	38178	19.27	ng/ml		93
31) Benzo(b+k)fluoranthene	17.570	252	81846	39.81	ng/ml		93
32) Benzo(e)pyrene	18.153	252	41095	20.61	ng/ml		98
33) Benzo(a)pyrene	18.270	252	29191	19.83	ng/ml		96
34) Perylene	18.468	252	41934	19.94	ng/ml		98
36) Indeno(1,2,3-cd)Pyrene	20.794	276	32482	19.53	ng/ml		81
37) Dibenz(a,h)anthracene	20.858	278	32488	18.41	ng/ml		85
38) Benzo(g,h,i)perylene	21.324	276	34943	19.56	ng/ml		81

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072017.D
 Acq On : 07 Apr 2020 20:00
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL5
 Misc : 1x, A20C471@20PPB
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:30 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072018.D
 Acq On : 07 Apr 2020 20:32
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL6
 Misc : 1x, A20C472@50PPB
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:35 2020
 Quant Method : N:\methods\SV14_040720_PAH.M.
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

Qd 4/8/20

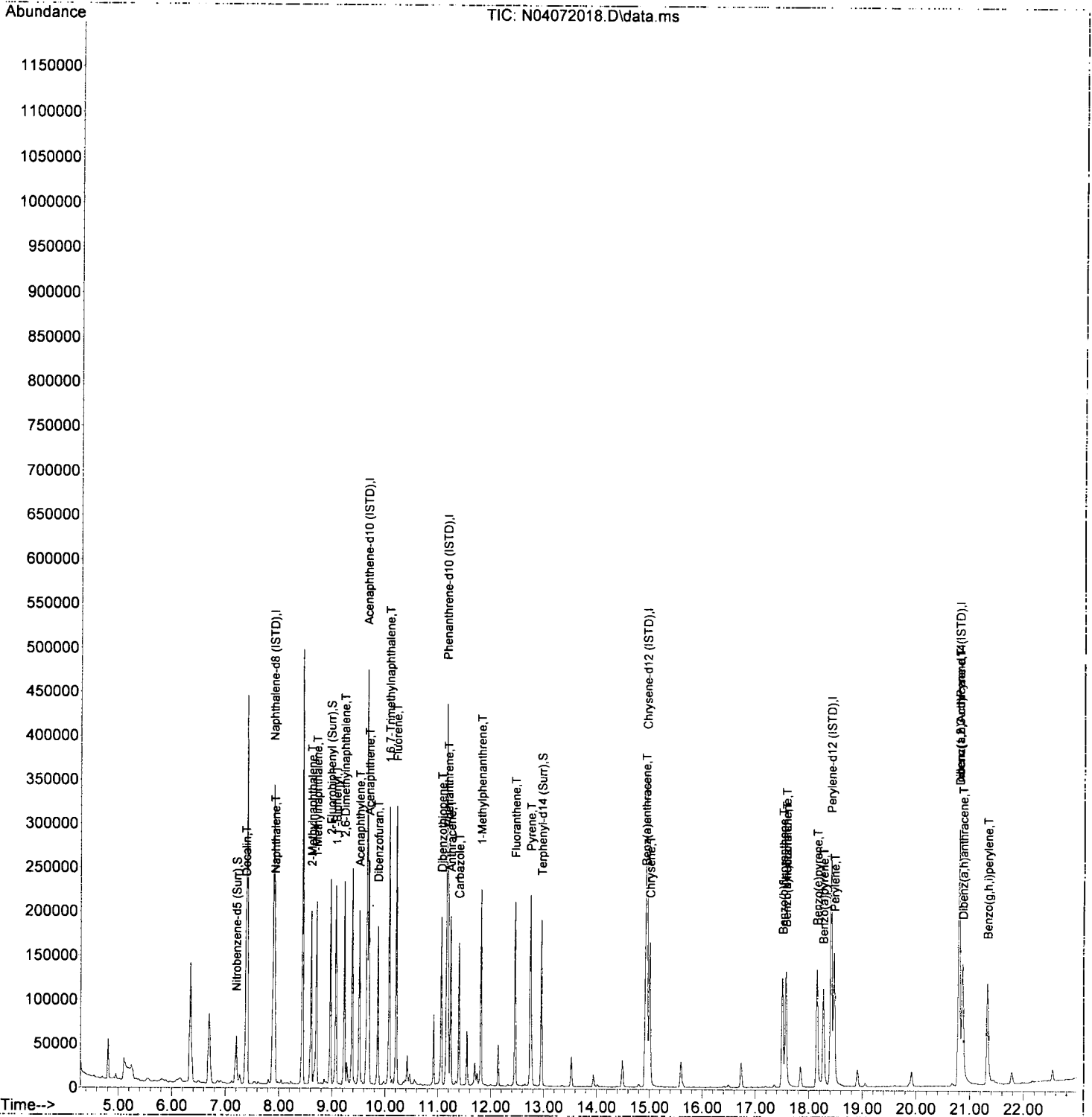
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	265079	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	146492	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	242013	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	238949	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.410	264	233103	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.794	292	190743	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	40026	67.41	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	113161	45.19	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	115369	50.86	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	9951	51.81	ng/ml		86
4) Naphthalene	7.924	128	140541	49.16	ng/ml		99
5) 2-Methylnaphthalene	8.612	142	97673	53.66	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	97197	55.85	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	121079	51.55	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	83485	56.81	ng/ml		96
11) Acenaphthylene	9.515	152	141318	55.54	ng/ml		99
12) Acenaphthene	9.696	153	100491	52.49	ng/ml		99
13) Dibenzofuran	9.865	168	120846	44.07	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	10.080	170	77695	48.31	ng/ml		97
15) Fluorene	10.215	166	94350	50.73	ng/ml		98
17) Dibenzothiopene	11.066	184	124022	50.95	ng/ml		94
18) Phenanthrene	11.188	178	137147	49.93	ng/ml		99
19) Anthracene	11.240	178	115187	50.70	ng/ml		99
20) Carbazole	11.398	167	103743	54.92	ng/ml		98
21) 1-Methylphenanthrene	11.817	192	96368	53.84	ng/ml		98
22) Fluoranthene	12.459	202	138576	53.73	ng/ml		97
24) Pyrene	12.750	202	148125	51.37	ng/ml		99
26) Benz(a)anthracene	14.924	228	118477	49.10	ng/ml		99
27) Chrysene	15.006	228	126277	49.72	ng/ml		99
29) Benzo(b)fluoranthene	17.506	252	116347	48.29	ng/ml		94
30) Benzo(k)fluoranthene	17.570	252	120385	48.86	ng/ml		93
31) Benzo(b+k)fluoranthene	17.570	252	249964	97.80	ng/ml		93
32) Benzo(e)pyrene	18.153	252	121997	49.20	ng/ml		98
33) Benzo(a)pyrene	18.270	252	102540	54.26	ng/ml		96
34) Perylene	18.474	252	140321	53.68	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.794	276	102100	48.23	ng/ml		80
37) Dibenz(a,h)anthracene	20.858	278	104317	46.46	ng/ml		84
38) Benzo(g,h,i)perylene	21.324	276	113428	49.88	ng/ml		83

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072018.D
 Acq On : 07 Apr 2020 20:32
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL6
 Misc : 1x, A20C472@50PPB
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:35 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072019.D
 Acq On : 07 Apr 2020 21:04
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL7
 Misc : 1x, A20C473@100PPB
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:39 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

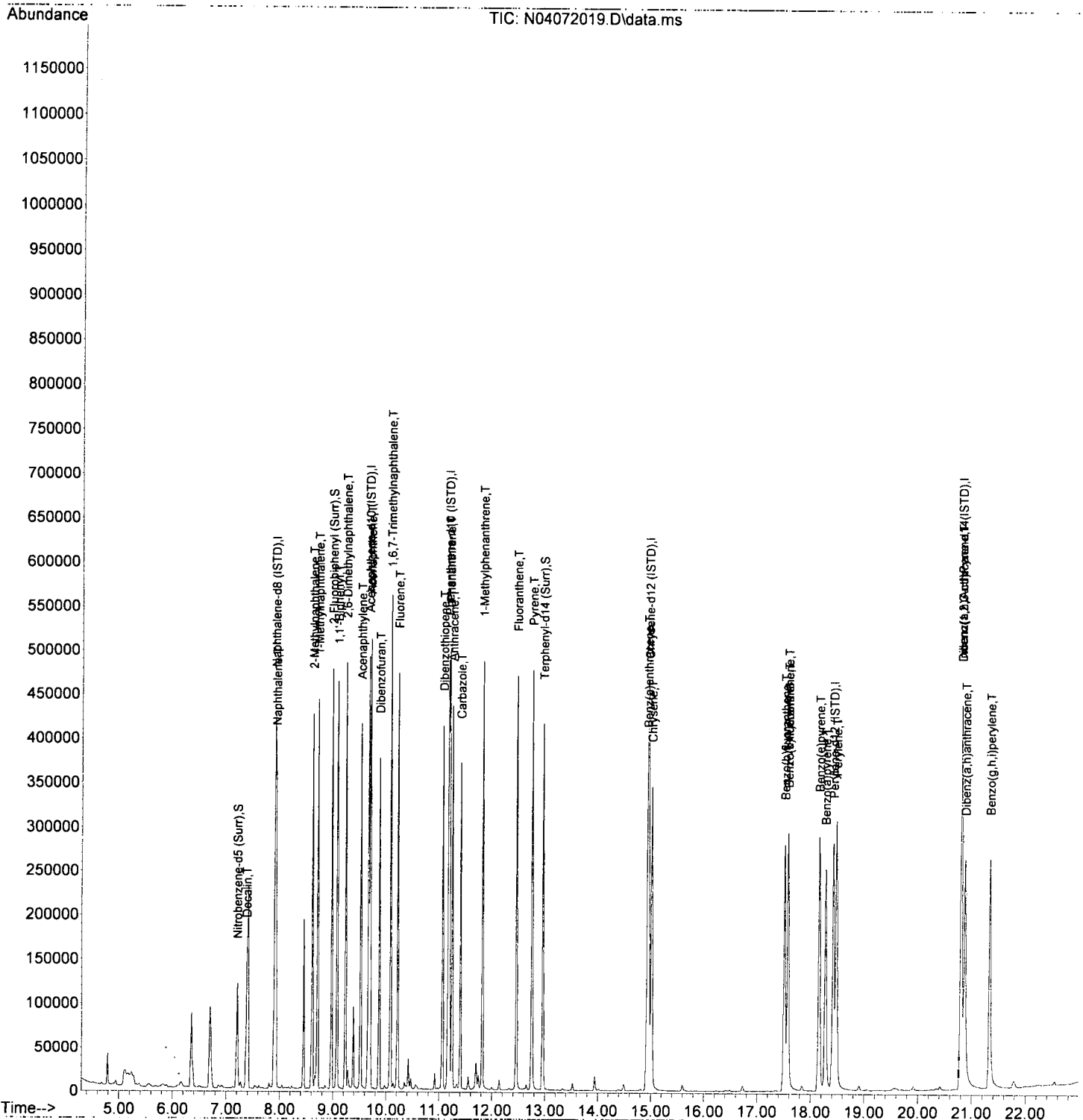
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	270936	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	147420	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	265984	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.947	240	263757	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.415	264	248613	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.794	292	201252	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	80657	132.90	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	225961	89.66	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	247933	99.02	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	20917	106.56	ng/ml		88
4) Naphthalene	7.924	128	278907	95.46	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	195774	105.24	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	191985	107.92	ng/ml		96
7) 1,1'-Biphenyl	9.078	154	238654	99.42	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	170143	113.27	ng/ml		97
11) Acenaphthylene	9.515	152	287167	112.15	ng/ml		100
12) Acenaphthene	9.696	153	199310	103.46	ng/ml		100
13) Dibenzofuran	9.865	168	244430	88.59	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	160492	99.16	ng/ml		98
15) Fluorene	10.215	166	191718	102.43	ng/ml		99
17) Dibenzothiopene	11.066	184	259859	97.13	ng/ml		94
18) Phenanthrene	11.188	178	288254	95.49	ng/ml		100
19) Anthracene	11.240	178	257805	103.25	ng/ml		99
20) Carbazole	11.398	167	228806	110.20	ng/ml		99
21) 1-Methylphenanthrene	11.817	192	210395	106.94	ng/ml		99
22) Fluoranthene	12.459	202	308063	108.68	ng/ml		96
24) Pyrene	12.750	202	328255	103.12	ng/ml		99
26) Benz(a)anthracene	14.924	228	257406	96.63	ng/ml		100
27) Chrysene	15.006	228	272605	97.23	ng/ml		100
29) Benzo(b)fluoranthene	17.506	252	253202	98.53	ng/ml		93
30) Benzo(k)fluoranthene	17.570	252	270754	103.03	ng/ml		93
31) Benzo(b+k)fluoranthene	17.570	252	548680	201.28	ng/ml		93
32) Benzo(e)pyrene	18.153	252	267193	101.04	ng/ml		98
33) Benzo(a)pyrene	18.270	252	227825	108.62	ng/ml		97
34) Perylene	18.474	252	293633	105.31	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.794	276	215605	96.53	ng/ml		81
37) Dibenz(a,h)anthracene	20.863	278	220763	93.19	ng/ml		83
38) Benzo(g,h,i)perylene	21.330	276	246409	102.70	ng/ml		81

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072019.D
 Acq On : 07 Apr 2020 21:04
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL7
 Misc : 1x, A20C473@100PPB
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:39 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072020.D
 Acq On : 07 Apr 2020 21:36
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL8
 Misc : 1x, A20C474@200PPB
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:44 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 4/8/20

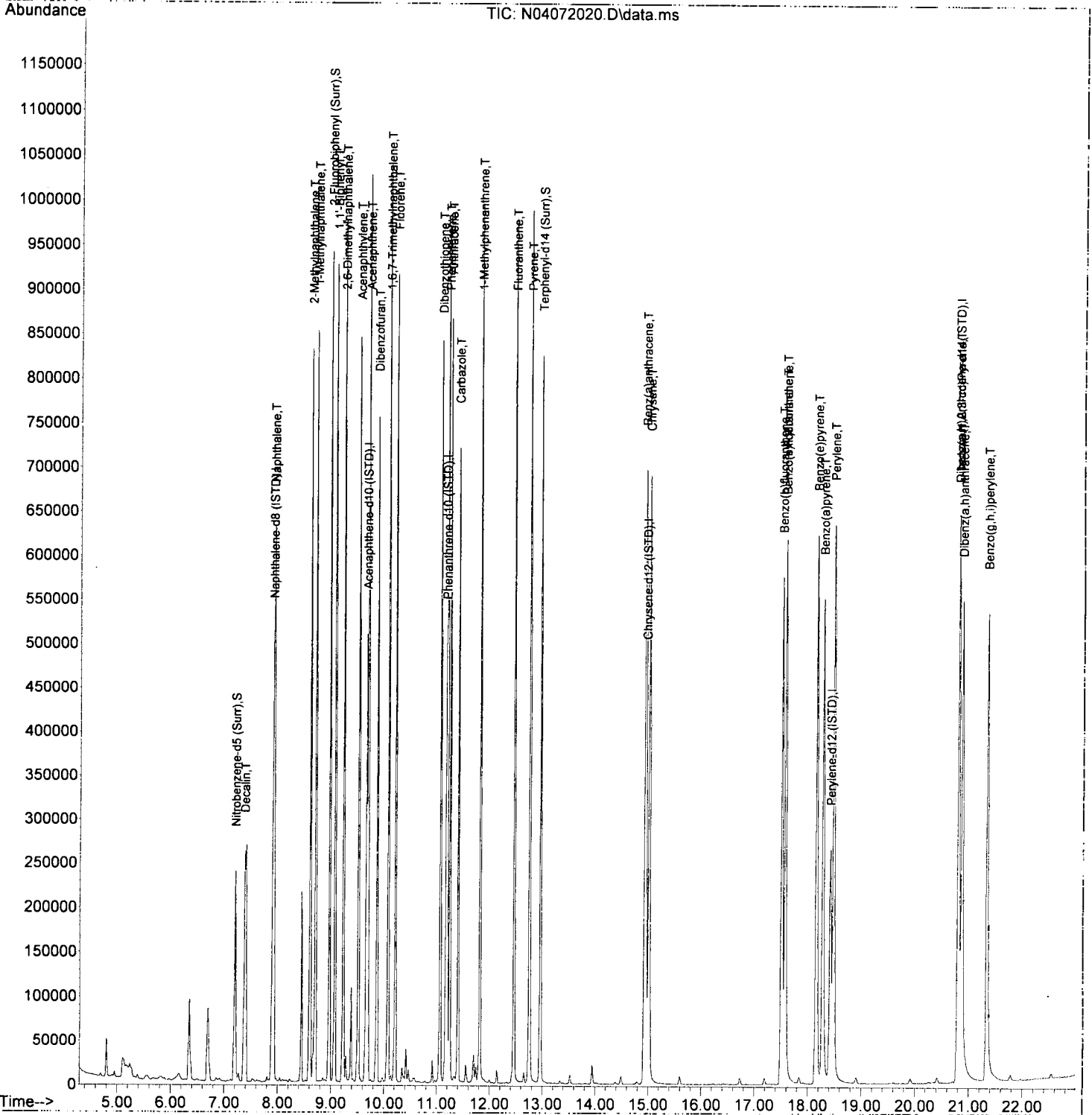
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	259002	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	149753	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	262815	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	256376	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.415	264	246957	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.793	292	201443	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	159557	275.03	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	456518	178.37	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	497857	204.56	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	39266	209.25	ng/ml		88
4) Naphthalene	7.924	128	543013	194.41	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	396823	223.13	ng/ml		97
6) 1-Methylnaphthalene	8.711	142	381343	224.25	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	486099	211.83	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.235	156	349071	243.10	ng/ml		96
11) Acenaphthylene	9.521	152	596158	229.20	ng/ml		99
12) Acenaphthene	9.696	153	400273	204.93	ng/ml		99
13) Dibenzofuran	9.865	168	496566	177.16	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	10.080	170	326170	198.38	ng/ml		98
15) Fluorene	10.214	166	396773	208.68	ng/ml		98
17) Dibenzothiopene	11.065	184	533586	201.84	ng/ml		94
18) Phenanthrene	11.194	178	586910	196.76	ng/ml		100
19) Anthracene	11.240	178	524623	212.65	ng/ml		99
20) Carbazole	11.398	167	458445	223.47	ng/ml		98
21) 1-Methylphenanthrene	11.817	192	429423	220.91	ng/ml		99
22) Fluoranthene	12.458	202	643616	229.79	ng/ml		96
24) Pyrene	12.750	202	678143	219.17	ng/ml		100
26) Benz(a)anthracene	14.930	228	526616	203.39	ng/ml		100
27) Chrysene	15.011	228	537553	197.25	ng/ml		100
29) Benzo(b)fluoranthene	17.506	252	536283	210.08	ng/ml		93
30) Benzo(k)fluoranthene	17.576	252	553475	212.03	ng/ml		93
31) Benzo(b+k)fluoranthene	17.576	252	1132360	418.18	ng/ml		93
32) Benzo(e)pyrene	18.159	252	561080	213.59	ng/ml		98
33) Benzo(a)pyrene	18.275	252	480916	214.97	ng/ml		97
34) Perylene	18.479	252	593049	214.13	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.799	276	452810	202.54	ng/ml		80
37) Dibenz(a,h)anthracene	20.863	278	454575	191.70	ng/ml		84
38) Benzo(g,h,i)perylene	21.336	276	512635	213.45	ng/ml		82

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072020.D
 Acq On : 07 Apr 2020 21:36
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL8
 Misc : 1x, A20C474@200PPB
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:44 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2020-04\0D07056\
 Data File : N04072021.D
 Acq On : 07 Apr 2020 22:08
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CAL9
 Misc : 1x, A20C475@400PPB
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:49 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

Jd 4/8/20

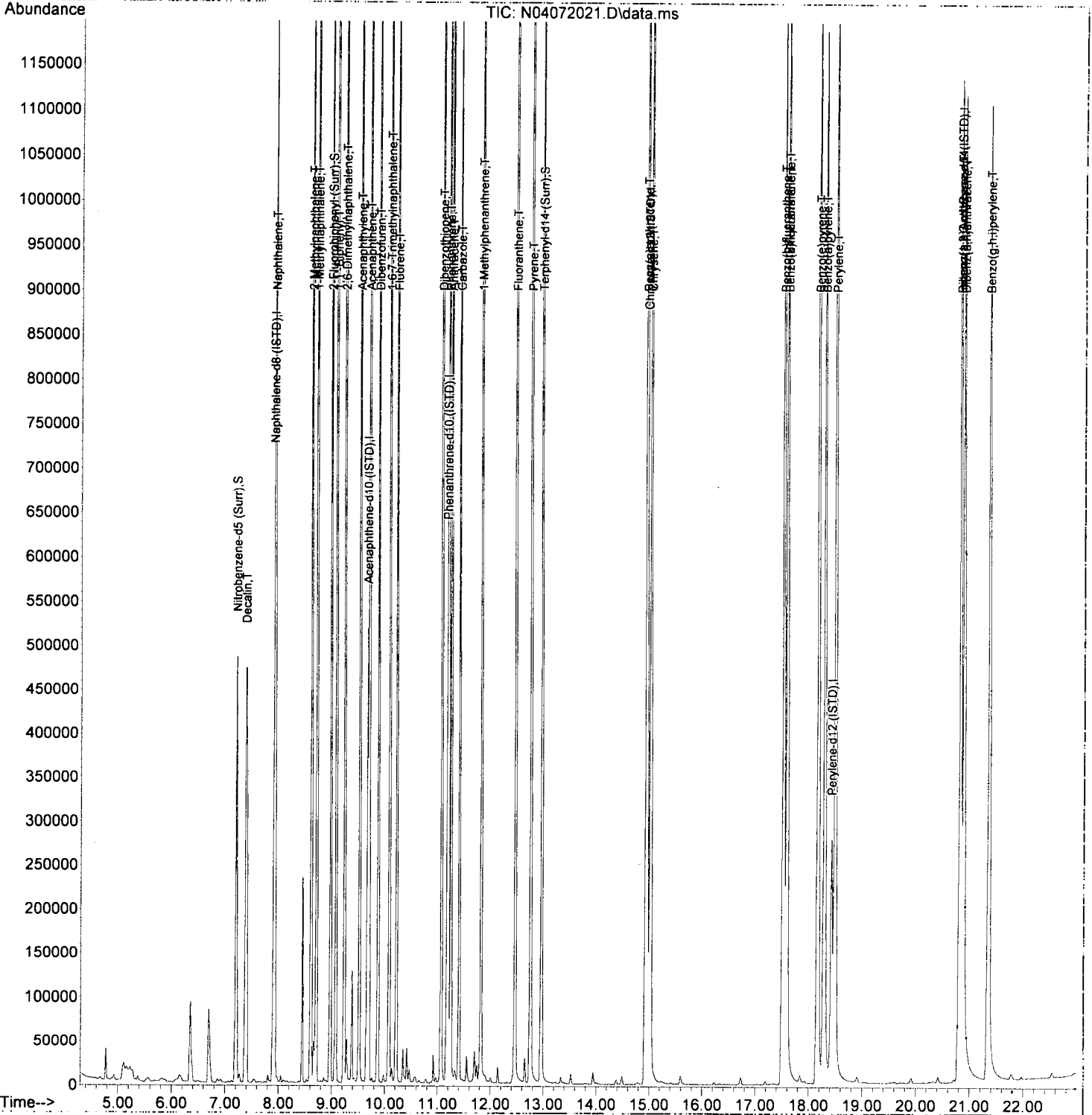
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.906	136	255231	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	154741	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.171	188	286145	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	283021	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.416	264	267480	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.805	292	206453	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	322003	563.23	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	957543	361.97	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	1096177	408.00	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	81440	440.41	ng/ml		87
4) Naphthalene	7.924	128	1070767	389.02	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	803600	458.54	ng/ml		98
6) 1-Methylnaphthalene	8.711	142	778825	464.76	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	1003410	443.73	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.235	156	726355	513.32	ng/ml		98
11) Acenaphthylene	9.521	152	1260795	469.09	ng/ml		99
12) Acenaphthene	9.696	153	824563	407.76	ng/ml		99
13) Dibenzofuran	9.871	168	1049059	362.21	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.081	170	693935	408.46	ng/ml		100
15) Fluorene	10.220	166	846234	430.71	ng/ml		98
17) Dibenzothiopene	11.066	184	1150026	399.56	ng/ml		95
18) Phenanthrene	11.194	178	1246717	383.88	ng/ml		100
19) Anthracene	11.246	178	1164250	433.45	ng/ml		99
20) Carbazole	11.404	167	979119	438.35	ng/ml		99
21) 1-Methylphenanthrene	11.817	192	947023	447.45	ng/ml		99
22) Fluoranthene	12.464	202	1439355	472.00	ng/ml		96
24) Pyrene	12.756	202	1513534	443.12	ng/ml		99
26) Benz(a)anthracene	14.936	228	1207333	422.40	ng/ml		99
27) Chrysene	15.017	228	1174861	390.53	ng/ml		100
29) Benzo(b)fluoranthene	17.518	252	1217211	440.24	ng/ml		93
30) Benzo(k)fluoranthene	17.588	252	1218167	430.86	ng/ml		93
31) Benzo(b+k)fluoranthene	17.588	252	2523866	860.55	ng/ml		93
32) Benzo(e)pyrene	18.171	252	1258723	442.41	ng/ml		98
33) Benzo(a)pyrene	18.287	252	1069564	395.70	ng/ml		96
34) Perylene	18.491	252	1303992	434.70	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.811	276	964615	421.00	ng/ml		80
37) Dibenz(a,h)anthracene	20.875	278	991281	407.89	ng/ml		83
38) Benzo(g,h,i)perylene	21.347	276	1102019	447.72	ng/ml		81

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
Data File : N04072021.D
Acq On : 07 Apr 2020 22:08
Operator : JK/ AMS/ DTH
Sample : 0D07056-CAL9
Misc : 1x, A20C475@400PPB
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:49 2020
Quant Method : N:\methods\SV14_040720_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Apr 08 09:40:52 2020
Response via : Initial Calibration
InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072022.D
 Acq On : 07 Apr 2020 22:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CALA
 Misc : 1x, A20C476@600PPB
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:53 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

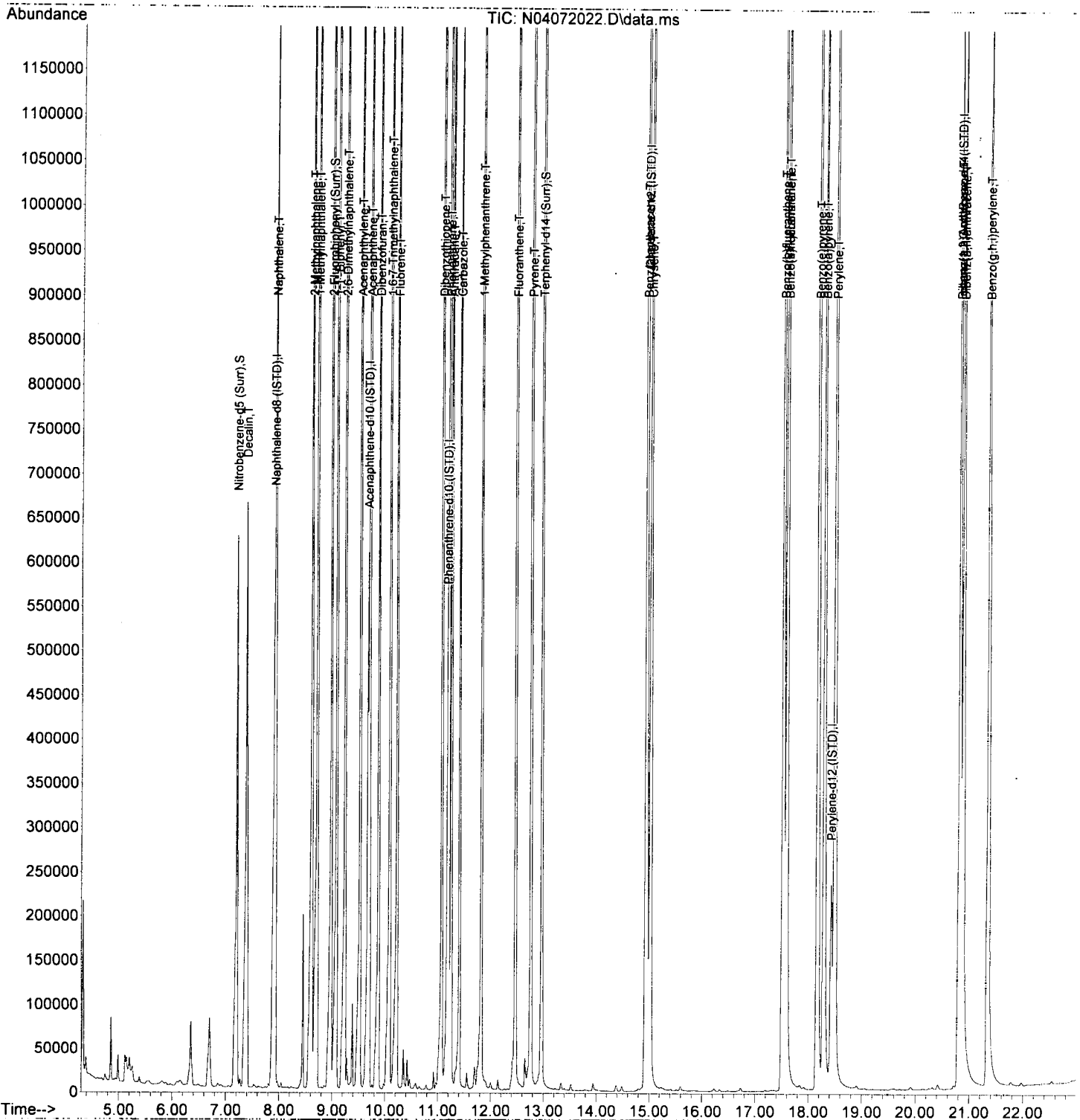
JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.907	136	237171	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	142544	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	254222	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.953	240	231029	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.421	264	221821	100.00	ng/ml	0.01	
35) Dibenz(a,h)Anthracene-d...	20.805	292	157020	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.207	82	451853	850.55	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	1276915	524.01	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.960	244	1328709	605.85	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	128416	747.82	ng/ml		88
4) Naphthalene	7.924	128	1463412	572.15	ng/ml		100
5) 2-Methylnaphthalene	8.612	142	1091692	670.87	ng/ml		98
6) 1-Methylnaphthalene	8.711	142	1038153	666.58	ng/ml		97
7) 1,1'-Biphenyl	9.078	154	1335421	635.52	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.236	156	968269	736.39	ng/ml		98
11) Acenaphthylene	9.521	152	1692015	683.40	ng/ml		99
12) Acenaphthene	9.696	153	1100304	590.67	ng/ml		99
13) Dibenzofuran	9.871	168	1394000	522.49	ng/ml		96
14) 1,6,7-Trimethylnaphtha...	10.081	170	893285	570.79	ng/ml		99
15) Fluorene	10.221	166	1105549	610.85	ng/ml		99
17) Dibenzothiopene	11.066	184	1486980	581.50	ng/ml		95
18) Phenanthrene	11.194	178	1662195	576.08	ng/ml		100
19) Anthracene	11.246	178	1396742	585.30	ng/ml		99
20) Carbazole	11.404	167	1098601	553.61	ng/ml		99
21) 1-Methylphenanthrene	11.818	192	1186501	631.00	ng/ml		98
22) Fluoranthene	12.465	202	1796405	663.06	ng/ml		96
24) Pyrene	12.756	202	1875198	672.55	ng/ml		100
26) Benz(a)anthracene	14.936	228	1469312	629.74	ng/ml		99
27) Chrysene	15.018	228	1426972	581.07	ng/ml		99
29) Benzo(b)fluoranthene	17.518	252	1548382	675.29	ng/ml		93
30) Benzo(k)fluoranthene	17.588	252	1475774	629.42	ng/ml		93
31) Benzo(b+k)fluoranthene	17.588	252	3120142	1282.84	ng/ml		93
32) Benzo(e)pyrene	18.171	252	1591400	674.47	ng/ml		98
33) Benzo(a)pyrene	18.293	252	1297353	535.84	ng/ml		96
34) Perylene	18.491	252	1594908	641.12	ng/ml		99
36) Indeno(1,2,3-cd)Pyrene	20.811	276	1156472	663.63	ng/ml		80
37) Dibenz(a,h)anthracene	20.875	278	1132840	612.89	ng/ml		83
38) Benzo(g,h,i)perylene	21.353	276	1320462	705.35	ng/ml		81

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072022.D
 Acq On : 07 Apr 2020 22:40
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-CALA
 Misc : 1x, A20C476@600PPB
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:41:53 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:42:06 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

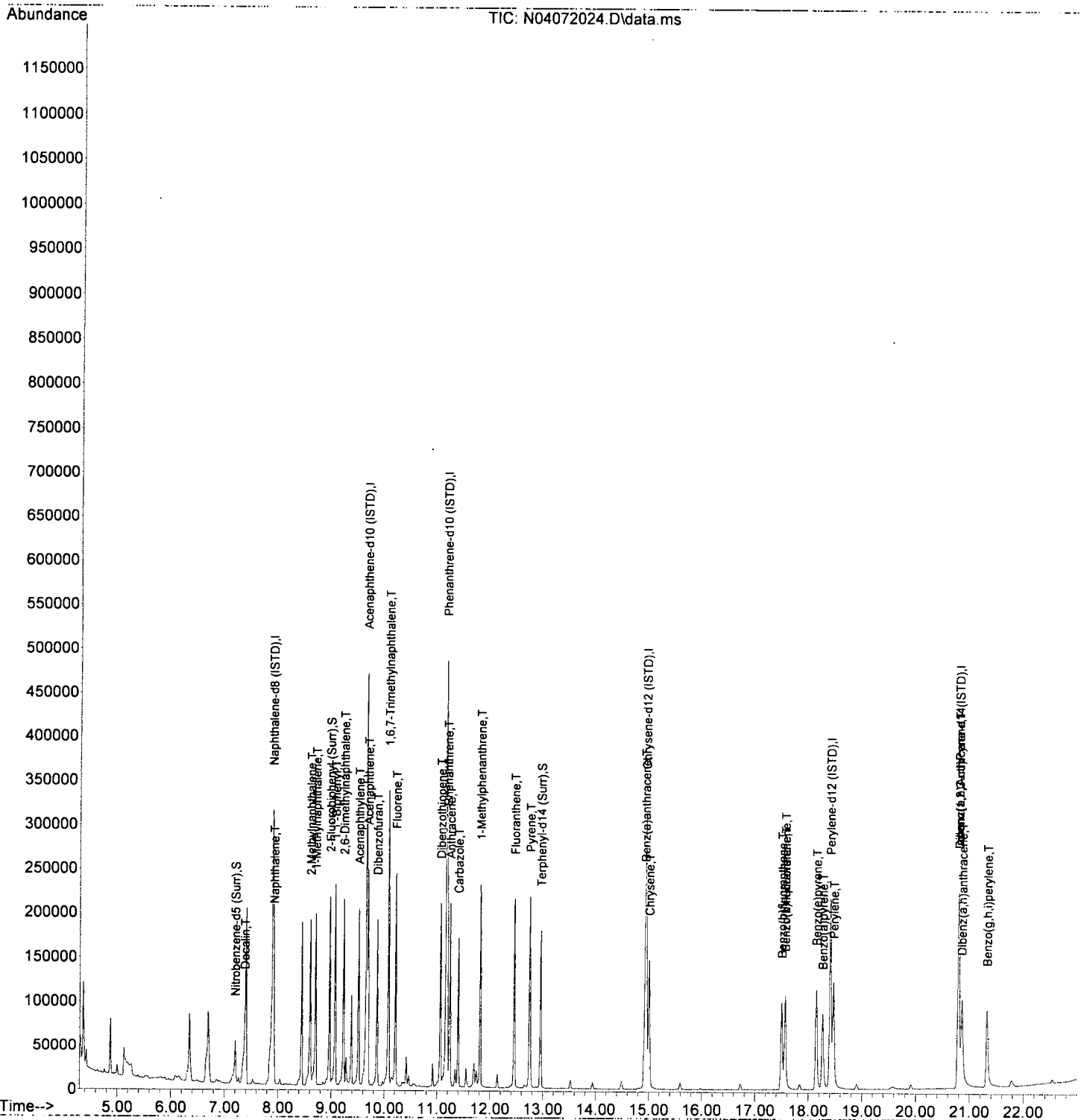
JK 4/8/20

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	209391	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.404	264	193930	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	149770	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	31558	53.09	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	114902	46.36	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	104677	52.66	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	8798	45.76	ng/ml		87
4) Naphthalene	7.924	128	134333	46.94	ng/ml		100
5) 2-Methylnaphthalene	8.606	142	95473	52.39	ng/ml		97
6) 1-Methylnaphthalene	8.705	142	95852	55.01	ng/ml		97
7) 1,1'-Biphenyl	9.072	154	122388	52.05	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.236	156	83923	57.04	ng/ml		96
11) Acenaphthylene	9.515	152	136436	54.18	ng/ml		99
12) Acenaphthene	9.690	153	99522	52.52	ng/ml		98
13) Dibenzofuran	9.865	168	127154	46.85	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	80111	50.33	ng/ml		98
15) Fluorene	10.215	166	97899	53.18	ng/ml		98
17) Dibenzothiopene	11.060	184	124997	47.18	ng/ml		96
18) Phenanthrene	11.188	178	149438	49.99	ng/ml		99
19) Anthracene	11.241	178	123075	49.77	ng/ml		99
20) Carbazole	11.398	167	106901	51.99	ng/ml		98
21) 1-Methylphenanthrene	11.812	192	103346	53.04	ng/ml		100
22) Fluoranthene	12.459	202	145369	51.78	ng/ml		96
24) Pyrene	12.750	202	153498	60.74	ng/ml		100
26) Benz(a)anthracene	14.924	228	101320	47.91	ng/ml		99
27) Chrysene	15.000	228	113999	51.22	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	93375	46.58	ng/ml		93
30) Benzo(k)fluoranthene	17.565	252	98839	48.22	ng/ml		93
31) Benzo(b+k)fluoranthene	17.565	252	205649	96.71	ng/ml		93
32) Benzo(e)pyrene	18.147	252	104146	50.49	ng/ml		98
33) Benzo(a)pyrene	18.264	252	79516	50.72	ng/ml		97
34) Perylene	18.468	252	113877	52.35	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.788	276	77694	46.74	ng/ml		80
37) Dibenz(a,h)anthracene	20.852	278	79648	45.18	ng/ml		84
38) Benzo(g,h,i)perylene	21.324	276	90765	50.83	ng/ml		80

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

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 09:42:06 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 09:40:52 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Apr 08 10:25:58 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14

Qtd 4/8/20

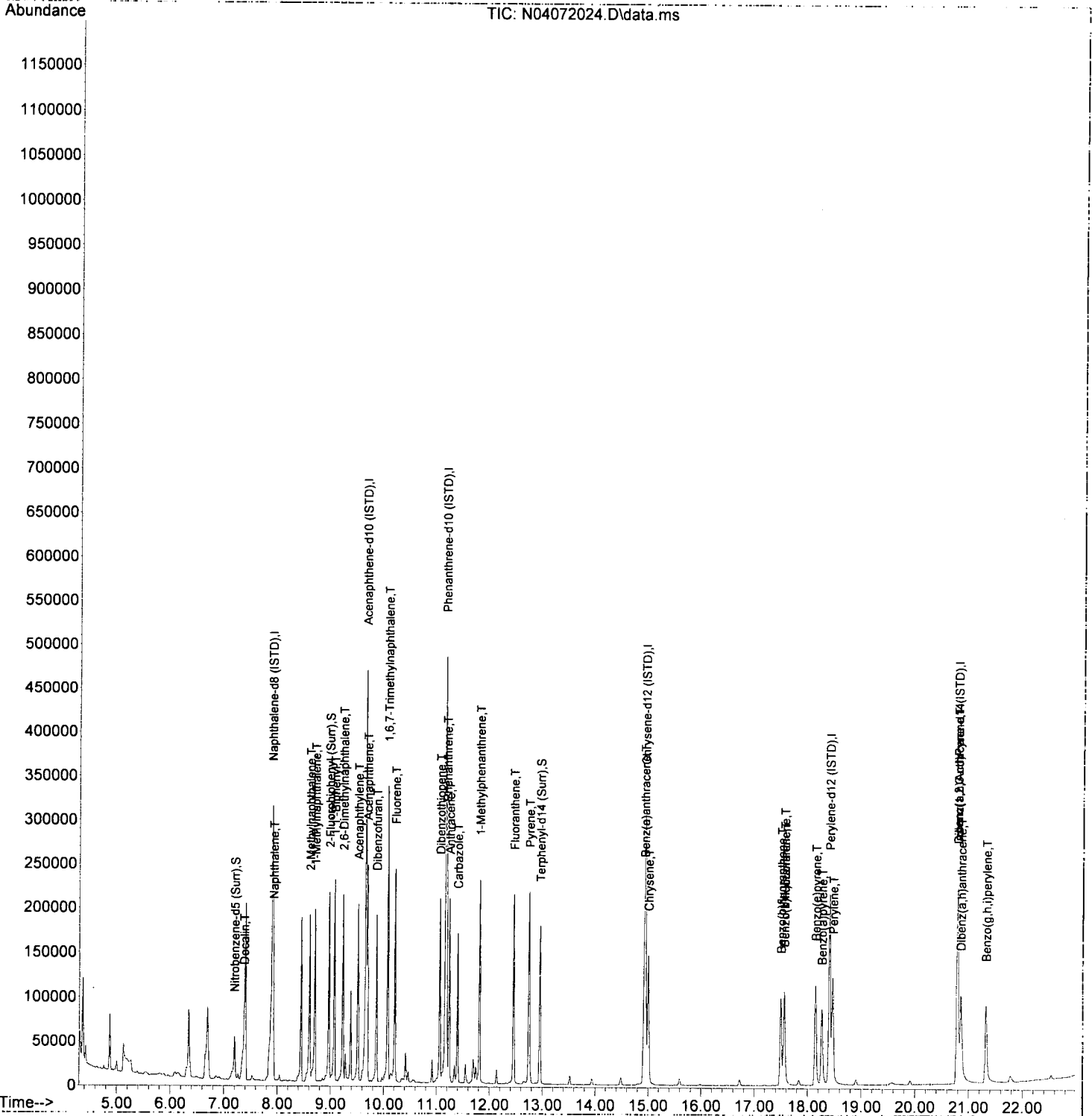
Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.901	136	265379	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.661	162	144991	100.00	ng/ml	0.00	
16) Phenanthrene-d10 (ISTD)	11.165	188	263411	100.00	ng/ml	0.00	
23) Chrysene-d12 (ISTD)	14.942	240	209391	100.00	ng/ml	0.00	
28) Perylene-d12 (ISTD)	18.404	264	193930	100.00	ng/ml	0.00	
35) Dibenz(a,h)Anthracene-d...	20.788	292	149770	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.201	82	31558	38.07	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.973	172	114902	51.19	ng/ml	0.00	
25) Terphenyl-d14 (Surr)	12.954	244	104677	51.74	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.382	138	8798	41.46	ng/ml		87
4) Naphthalene	7.924	128	134333	46.47	ng/ml		100
5) 2-Methylnaphthalene	8.606	142	95473	49.19	ng/ml		97
6) 1-Methylnaphthalene	8.705	142	95852	49.74	ng/ml		97
7) 1,1'-Biphenyl	9.072	154	122388	50.03	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.236	156	83923	50.01	ng/ml		96
11) Acenaphthylene	9.515	152	136436	50.46	ng/ml		99
12) Acenaphthene	9.690	153	99522	50.18	ng/ml		98
13) Dibenzofuran	9.865	168	127154	52.97	ng/ml		95
14) 1,6,7-Trimethylnaphtha...	10.075	170	80111	51.55	ng/ml		98
15) Fluorene	10.215	166	97899	51.34	ng/ml		98
17) Dibenzothiopene	11.060	184	124997	46.96	ng/ml		96
18) Phenanthrene	11.188	178	149438	49.29	ng/ml		99
19) Anthracene	11.241	178	123075	49.56	ng/ml		99
20) Carbazole	11.398	167	106901	49.87	ng/ml		98
21) 1-Methylphenanthrene	11.812	192	103346	50.55	ng/ml		100
22) Fluoranthene	12.459	202	145369	48.65	ng/ml		96
24) Pyrene	12.750	202	153498	56.52	ng/ml		100
26) Benz(a)anthracene	14.924	228	101320	46.66	ng/ml		99
27) Chrysene	15.000	228	113999	51.05	ng/ml		99
29) Benzo(b)fluoranthene	17.500	252	93375	46.58	ng/ml		93
30) Benzo(k)fluoranthene	17.565	252	98839	49.45	ng/ml		93
31) Benzo(b+k)fluoranthene	17.565	252	205649	97.55	ng/ml		93
32) Benzo(e)pyrene	18.147	252	104146	49.68	ng/ml		98
33) Benzo(a)pyrene	18.264	252	79516	49.59	ng/ml		97
34) Perylene	18.468	252	113877	52.76	ng/ml		100
36) Indeno(1,2,3-cd)Pyrene	20.788	276	77694	47.76	ng/ml		80
37) Dibenz(a,h)anthracene	20.852	278	79648	48.55	ng/ml		84
38) Benzo(g,h,i)perylene	21.324	276	90765	52.01	ng/ml		80

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

Quantitation Report (Not Reviewed)

Data Path : N:\data\2020-04\0D07056\
 Data File : N04072024.D
 Acq On : 07 Apr 2020 23:44
 Operator : JK/ AMS/ DTH
 Sample : 0D07056-ICV1
 Misc : 1x, A20C479@50PPB
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Apr 08 10:25:58 2020
 Quant Method : N:\methods\SV14_040720_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Wed Apr 08 10:01:43 2020
 Response via : Initial Calibration
 InstName : SV-GCMS14



**Total Metals by EPA 6020A (ICPMS)
Benchsheet Data and Analysis (Including Calibration)**

Batch 0050271
Sequence 0E08027



As (Arsenic) - 6020 - Total

PREPARATION BENCH SHEET

0050271

JUN 01 2020

Apex Laboratories
BATCH #: 0050271 (Sediment)
Prep Method: EPA 3051A

Lab Number	Due	Prepared	Initial (g)	Final (mL)	Client	ClientID / Sample	Extraction Comments
0050271-BLK1		05/07/20 11:12	0.52	50	QC Sample		
0050271-BS1		05/07/20 11:12	0.5	50	QC Sample		
Spike 1: 2500 uL of A20E022		Spike 2: 250 uL of A20D274					
A0D0694-12	05/11/20	05/07/20 11:12	0.517	50	Anchor QEA, LLC	PDI-146SC-B-10-1-12-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0694-13	05/11/20	05/07/20 11:12	0.512	50	Anchor QEA, LLC	PDI-146SC-B-6-1-3-1-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0694-14	05/11/20	05/07/20 11:12	0.513	50	Anchor QEA, LLC	PDI-146SC-B-3-1-10-1-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0701-12	05/08/20	05/07/20 11:12	0.5491	50	Anchor QEA, LLC	PDI-148SC-B-3-7-5-7-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
0050271-DUPI		05/07/20 11:12	0.5489	50	QC Sample		
Source: A0D0701-12							
0050271-MS1		05/07/20 11:12	0.5495	50	QC Sample		
Source: A0D0701-12 Spike 1: 2500 uL of A20E022 Spike 2: 250 uL of A20D274							
A0D0701-13	05/08/20	05/07/20 11:12	0.512	50	Anchor QEA, LLC	PDI-148SC-B-5-7-7-7-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0701-14	05/08/20	05/07/20 11:12	0.570	50	Anchor QEA, LLC	PDI-148SC-B-7-7-9-6-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0701-23	05/08/20	05/07/20 11:12	0.5496	50	Anchor QEA, LLC	PDI-153SC-B-6-2-3-5-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-04	05/12/20	05/07/20 11:12	0.509	50	Anchor QEA, LLC	PDI-054SC-B-00-02-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-05	05/12/20	05/07/20 11:12	0.5495	50	Anchor QEA, LLC	PDI-054SC-B-02-05-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-06	05/12/20	05/07/20 11:12	0.511	50	Anchor QEA, LLC	PDI-054SC-B-05-07-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-07	05/12/20	05/07/20 11:12	0.5497	50	Anchor QEA, LLC	PDI-054SC-B-07-11-1-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-15	05/12/20	05/07/20 11:12	0.5485	50	Anchor QEA, LLC	PDI-060SC-B-00-02-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							

Prepared By: CPL Date: 5/7/20

Reviewed By: MSG Date: 5/7/20

Lab Number	Due	Prepared	Initial (g)	Final (mL)	Client	ClientID / Sample	Extraction Comments
A0D0758-16	05/12/20	05/07/20 11:12	0.5182	50	Anchor QEA, LLC	PDI-060SC-B-02-04-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-17	05/12/20	05/07/20 11:12	0.5192	50	Anchor QEA, LLC	PDI-060SC-B-04-06-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-18	05/12/20	05/07/20 11:12	0.515	50	Anchor QEA, LLC	PDI-060SC-B-06-08-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0758-19	05/12/20	05/07/20 11:12	0.517	50	Anchor QEA, LLC	PDI-060SC-B-08-10-9-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0763-03	05/12/20	05/07/20 11:12	0.5192	50	Anchor QEA, LLC	PDI-061SC-B-00-02-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0763-09	05/12/20	05/07/20 11:12	0.503	50	Anchor QEA, LLC	PDI-061SC-B-02-04-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0763-10	05/12/20	05/07/20 11:12	0.505	50	Anchor QEA, LLC	PDI-061SC-B-04-06-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0D0763-11	05/12/20	05/07/20 11:12	0.513	50	Anchor QEA, LLC	PDI-061SC-B-06-08-200428	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							

Standards/Reagents

Reagent(s)		
Std ID	Exp. Date	Description
A13L213	11/30/23	Metals Prep Balance 2
A17F264	06/23/23	Mars-6 Microwave
A20A350	07/10/20	30% hydrogen peroxide
A20B344	02/25/22	Conc. HCl - Omnitrace
A20D220	10/12/20	Conc. HNO3 - Omnitrace

Analyte Spike(s)		
Std ID	Exp. Date	Description
A20D274	10/14/20	Hg Spiking Standard
A20E022	07/09/20	**Combo Spike** A+B+C

CPL
5/7/20

A) A20E010 - 1250 µL
 B) A20C366 - 625 µL
 C) A20C367 - 625 µL

↓

Digestion time and temperature achieved? YDS
 Initials: CPL

Prepared By: CPL Date: 5/7/20

Reviewed By: MSG Date: 5/7/20

Batch #: 50271

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% sample loss.

Date: 5/7/2020

Prepared by: CRL

#	Mars Tube ID	Sample ID	Pre-digestion Vessel + Sample Wt. (g)	Post-digestion Vessel + Sample Wt. (g)	Sample Wt. Loss (%)* <i>Formula only used if sample loss > 0.2g</i>
1	S87	0050271-BLK1	185.18	185.16	0.06%
2	S54	0050271-BS1	183.93	183.92	0.04%
3	S82	A0D0694-12	185.91	185.90	0.05%
4	S27	A0D0694-13	185.74	185.72	0.06%
5	S23	A0D0694-14	185.18	185.17	0.04%
6	S15	A0D0701-12	186.28	186.27	0.04%
7	S104	0050271-DUP1	188.09	188.08	0.02%
8	S47	0050271-MS1	183.78	183.77	0.04%
9	S98	A0D0701-13	189.23	189.21	0.05%
10	S24	A0D0701-14	185.45	185.43	0.05%
11	S108	A0D0701-23	187.19	187.17	0.07%
12	S95	A0D0758-04	187.54	187.53	0.01%
13	S34	A0D0758-05	185.56	185.54	0.05%
14	S6	A0D0758-06	185.77	185.76	0.05%
15	S22	A0D0758-07	185.33	185.32	0.05%
16	S100	A0D0758-15	189.23	189.22	0.03%
17	S4	A0D0758-16	188.99	188.98	0.04%
18	S39	A0D0758-17	185.63	185.61	0.06%
19	S108A	A0D0758-18	187.74	187.72	0.06%
20	S4	A0D0758-19	185.63	185.62	0.05%
21	S52	A0D0763-08	186.23	186.21	0.07%
22	S65	A0D0763-09	186.00	185.98	0.05%
23	S93	A0D0763-10	183.53	183.51	0.07%
24	S81	A0D0763-11	186.49	186.48	0.04%
25					n/a

*Example Calculation: $(\text{Pre}(g) - \text{Post}(g)) / (\text{Post}(g) - 159.32g)$ This represents the mean weight of the empty digestion vessels. By factoring in the mean digestion vessel weight, we observe weight loss from only the sample, rather than as a percentage of the sample+vessel weight.

Run Data

Method: US EPA 3051

Date/Time: 05/07/2020 14:05

Time	Temperature (°C)
00:00	120
00:30	138
01:00	143
01:30	145
02:00	148
02:30	151
03:00	154
03:30	156
04:00	159
04:30	162
05:00	164
05:30	169
06:00	171
06:30	172
07:00	173
07:30	174
08:00	174
08:30	173
09:00	173
09:30	173
10:00	173

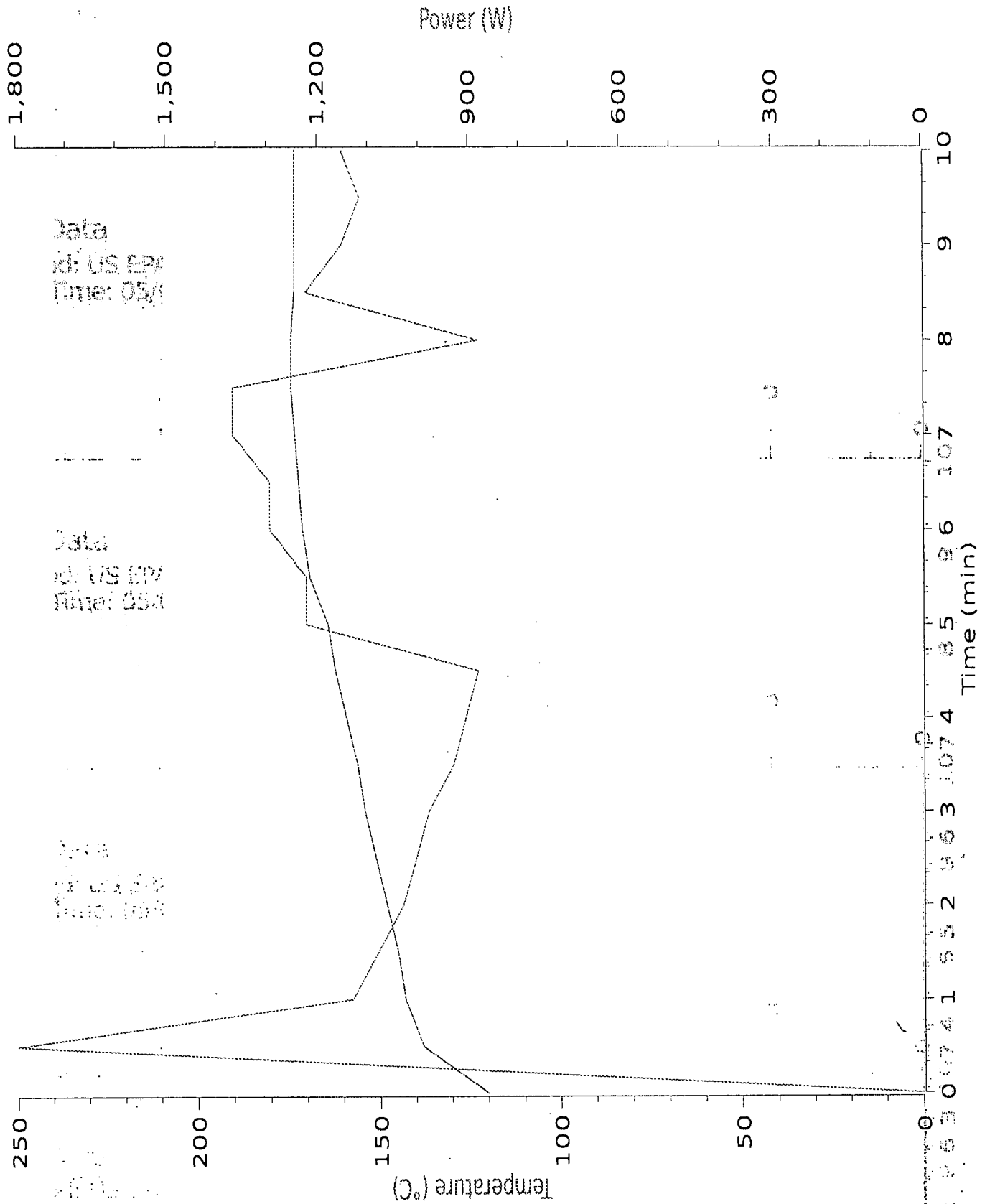
----- End Stage 1 -----

*I witnessed temp
get met at correct
time 5/7/20*

Run Data

Method: US EPA 3051

Date/Time: 05/07/2020 14:05





ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E08027**

Instrument: **ICPMS5**

Date: **05/08/20 08:17**

Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E08027-CAL1	Water	QC	QC			A20A391	A20D395
2	0E08027-CAL2	Water	QC	QC			A20A391	A20D396
3	0E08027-CAL3	Water	QC	QC			A20A391	A20D397
4	0E08027-CAL4	Water	QC	QC			A20A391	A20D398
5	0E08027-CAL5	Water	QC	QC			A20A391	A20D399
6	0E08027-CAL6	Water	QC	QC			A20A391	A20D400
7	0E08027-CAL7	Water	QC	QC			A20A391	A20D401
8	0E08027-CAL8	Water	QC	QC			A20A391	A20D402
9	0E08027-CAL9	Water	QC	QC			A20A391	A20E080
10	0E08027-ICV1	Water	QC	QC			A20A391	A20D039
11	0E08027-ICB1	Water	QC	QC			A20A391	
12	0E08027-CRL1	Water	QC	QC			A20A391	A20D395
13	0E08027-CRL2	Water	QC	QC			A20A391	A20D396
14	0E08027-CRL3	Water	QC	QC			A20A391	A20D397
15	0E08027-CRL4	Water	QC	QC			A20A391	A20D398
16	0E08027-IFA1	Water	QC	QC			A20A391	A20E014
17	0E08027-IFB1	Water	QC	QC			A20A391	A20E015
18	0040835-BLK3	Water	QC	QC		0040835	A20A391	
19	0040835-BS3	Water	QC	QC		0040835	A20A391	
20	A0D0458-01RE4	Water	Ca (Calcium) - 200.8 - Total		05/04/20	0040835	A20A391	
21	A0D0480-02RE2	Water	Ca (Calcium) - 200.8 - Total	(QC Source)		0040835	A20A391	
22	"	Water	Zn (Zinc) - 200.8 - Total	"	05/05/20	0040835	A20A391	
23	0040835-DUP3	Water	QC	QC		0040835	A20A391	
24	0040835-MS5	Water	QC	QC		0040835	A20A391	
25	A0E0074-01RE1	Oil	Hg (Mercury) - 6020 - Total		05/08/20	0050224	A20A391	
26	0050224-DUP2	Oil	QC	QC		0050224	A20A391	
27	0050224-MS2	Oil	QC	QC		0050224	A20A391	
28	0E08027-CCV1	Water	QC	QC			A20A391	A20D039
29	0E08027-CCB1	Water	QC	QC			A20A391	
30	0E08027-CRL5	Water	QC	QC			A20A391	A20D395
31	0E08027-CRL6	Water	QC	QC			A20A391	A20D396
32	0E08027-CRL7	Water	QC	QC			A20A391	A20D397
33	0E08027-CRL8	Water	QC	QC			A20A391	A20D398
34	0050314-BLK1	Soil	QC	QC		0050314	A20A391	
35	0050314-BS1	Soil	QC	QC		0050314	A20A391	
36	A0E0157-01	Soil	Pb (Lead) - 6020 - TCLP		05/11/20	0050314	A20A391	
37	0050314-MS1	Soil	QC	QC		0050314	A20A391	
38	0050315-BLK1	Sediment	QC	QC		0050315	A20A391	
39	0050315-BS1	Sediment	QC	QC		0050315	A20A391	
40	A0E0018-17	Sediment	Ag (Silver) - 6020 - TCLP		05/11/20	0050315	A20A391	
41	"	Sediment	As (Arsenic) - 6020 - TCLP		05/11/20	0050315	A20A391	
42	"	Sediment	Ba (Barium) - 6020 - TCLP		05/11/20	0050315	A20A391	
43	"	Sediment	Cd (Cadmium) - 6020 - TCLP		05/11/20	0050315	A20A391	
44	"	Sediment	Cr (Chromium) - 6020 - TCLP		05/11/20	0050315	A20A391	
45	"	Sediment	Hg (Mercury) - 6020 - TCLP		05/11/20	0050315	A20A391	
46	"	Sediment	Pb (Lead) - 6020 - TCLP		05/11/20	0050315	A20A391	
47	"	Sediment	Se (Selenium) - 6020 - TCLP		05/11/20	0050315	A20A391	
48	0050315-MS1	Sediment	QC	QC		0050315	A20A391	
49	0050306-BLK1	Water	QC	QC		0050306	A20A391	
50	0050306-BS1	Water	QC	QC		0050306	A20A391	
51	0E08027-CCV2	Water	QC	QC			A20A391	A20D039

Sequence:

0E08027

Instrument:

ICPMS5

Date:

05/08/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	0E08027-CCV3	Water	QC	QC			A20A391	A20D039
53	0E08027-CCB2	Water	QC	QC			A20A391	
54	0E08027-CRL9	Water	QC	QC			A20A391	A20D395
55	0E08027-CRLA	Water	QC	QC			A20A391	A20D396
56	0E08027-CRLB	Water	QC	QC			A20A391	A20D397
57	0E08027-CRLC	Water	QC	QC			A20A391	A20D398
58	A0E0052-01	Water	Cu (Copper) - 6020 - Total		05/08/20	0050306	A20A391	
59	"	Water	Fe (Iron) - 6020 - Total		05/08/20	0050306	A20A391	
60	"	Water	Hg (Mercury) - 6020 - Total		05/08/20	0050306	A20A391	
61	"	Water	Pb (Lead) - 6020 - Total		05/08/20	0050306	A20A391	
62	0050306-DUP1	Water	QC	QC		0050306	A20A391	
63	0050306-MS1	Water	QC	QC		0050306	A20A391	
64	0050202-BLK2	Sediment	QC	QC		0050202	A20A391	
65	0050202-BS2	Sediment	QC	QC		0050202	A20A391	
66	A0D0632-13RE1	Sediment	Hg (Mercury) - 6020 - Total	(QC Source)		0050202	A20A391	
67	0050202-MS3	Sediment	QC	QC		0050202	A20A391	
68	0050202-MSD3	Sediment	QC	QC		0050202	A20A391	
69	0050306-BLK2	Water	QC	QC		0050306	A20A391	
70	A0D0673-10RE1	Sediment	Hg (Mercury) - 6020 - Total	(QC Source)		0050202	A20A391	
71	0E08027-CCV4	Water	QC	QC			A20A391	A20D039
72	0E08027-CCB3	Water	QC	QC			A20A391	
73	0050202-MS4	Sediment	QC	QC		0050202	A20A391	
74	0050202-MSD4	Sediment	QC	QC		0050202	A20A391	
75	A0D0675-04RE1	Sediment	Hg (Mercury) - 6020 - Total		05/08/20	0050202	A20A391	
76	A0D0675-09RE1	Sediment	Hg (Mercury) - 6020 - Total		05/08/20	0050202	A20A391	
77	0050271-BLK1	Sediment	QC	QC		0050271	A20A391	
78	0050271-BS1	Sediment	QC	QC		0050271	A20A391	
79	A0D0694-12	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/11/20	0050271	A20A391	
80	A0D0694-13	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/11/20	0050271	A20A391	
81	A0D0694-14	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/11/20	0050271	A20A391	
82	A0D0701-12	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/08/20	0050271	A20A391	
83	0E08027-CCV5	Water	QC	QC			A20A391	A20D039
84	0E08027-CCB4	Water	QC	QC			A20A391	
85	0050271-DUP1	Sediment	QC	QC		0050271	A20A391	
86	0050271-MS1	Sediment	QC	QC		0050271	A20A391	
87	A0D0701-13	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/08/20	0050271	A20A391	
88	A0D0701-23	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/08/20	0050271	A20A391	
89	A0D0701-14	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/08/20	0050271	A20A391	
90	A0D0758-04	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
91	A0D0758-05	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
92	A0D0758-06	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
93	A0D0758-07	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
94	A0D0758-15	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
95	0E08027-CCV6	Water	QC	QC			A20A391	A20D039
96	0E08027-CCB5	Water	QC	QC			A20A391	
97	A0D0758-16	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
98	A0D0758-17	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
99	A0D0758-18	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
100	A0D0758-19	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
101	A0D0763-08	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
102	A0D0763-09	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
103	A0D0763-10	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
104	A0D0763-11	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050271	A20A391	
105	0050290-BLK1	Water	QC	QC		0050290	A20A391	
106	0050290-BS1	Water	QC	QC		0050290	A20A391	

Sequence:

0E08027

Instrument:

ICPMS5

Date:

05/08/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
107	0E08027-CCV7	Water	QC	QC			A20A391	A20D039
108	0E08027-CCB6	Water	QC	QC			A20A391	
109	A0D0694-01	Water	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/11/20	0050290	A20A391	
110	A0D0694-02	Water	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/11/20	0050290	A20A391	
111	0050290-DUP1	Water	QC	QC		0050290	A20A391	
112	0050290-MS1	Water	QC	QC		0050290	A20A391	
113	0050305-BLK1	Water	QC	QC		0050305	A20A391	
114	0050305-BS1	Water	QC	QC		0050305	A20A391	
115	A0D0687-02	Water	Ag (Silver) - 200.8 - Total		05/11/20	0050305	A20A391	
116	"	Water	Cd (Cadmium) - 200.8 - Total		05/11/20	0050305	A20A391	
117	"	Water	Cr (Chromium) - 200.8 - Total		05/11/20	0050305	A20A391	
118	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
119	"	Water	Ni (Nickel) - 200.8 - Total		05/11/20	0050305	A20A391	
120	"	Water	Pb (Lead) - 200.8 - Total		05/11/20	0050305	A20A391	
121	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
122	A0D0690-03	Water	Ca (Calcium) - 200.8 - Total		05/11/20	0050305	A20A391	
123	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
124	"	Water	Mg (Magnesium) - 200.8 - Total		05/11/20	0050305	A20A391	
125	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
126	A0D0699-03	Water	Ag (Silver) - 200.8 - Total	(QC Source)		0050305	A20A391	
127	"	Water	Al (Aluminum) - 200.8 - Total	(QC Source)		0050305	A20A391	
128	"	Water	As (Arsenic) - 200.8 - Total	(QC Source)		0050305	A20A391	
129	"	Water	Ca (Calcium) - 200.8 - Total	"	05/11/20	0050305	A20A391	
130	"	Water	Cd (Cadmium) - 200.8 - Total	(QC Source)		0050305	A20A391	
131	"	Water	Cr (Chromium) - 200.8 - Total	(QC Source)		0050305	A20A391	
132	"	Water	Cu (Copper) - 200.8 - Total	"	05/11/20	0050305	A20A391	
133	"	Water	Fe (Iron) - 200.8 - Total	(QC Source)		0050305	A20A391	
134	"	Water	Mg (Magnesium) - 200.8 - Total	"	05/11/20	0050305	A20A391	
135	"	Water	Ni (Nickel) - 200.8 - Total	(QC Source)		0050305	A20A391	
136	"	Water	Pb (Lead) - 200.8 - Total	(QC Source)		0050305	A20A391	
137	"	Water	Zn (Zinc) - 200.8 - Total	"	05/11/20	0050305	A20A391	
138	0050305-MS1	Water	QC	QC		0050305	A20A391	
139	0E08027-CCV8	Water	QC	QC			A20A391	A20D039
140	0E08027-CCB7	Water	QC	QC			A20A391	
141	0050305-MSD1	Water	QC	QC		0050305	A20A391	
142	A0D0699-08	Water	Ca (Calcium) - 200.8 - Total		05/11/20	0050305	A20A391	
143	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
144	"	Water	Mg (Magnesium) - 200.8 - Total		05/11/20	0050305	A20A391	
145	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
146	A0D0703-03	Water	Ca (Calcium) - 200.8 - Total		05/11/20	0050305	A20A391	
147	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
148	"	Water	Mg (Magnesium) - 200.8 - Total		05/11/20	0050305	A20A391	
149	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
150	A0D0703-08	Water	Ca (Calcium) - 200.8 - Total		05/11/20	0050305	A20A391	
151	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
152	"	Water	Mg (Magnesium) - 200.8 - Total		05/11/20	0050305	A20A391	
153	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
154	A0D0768-01	Water	Fe (Iron) - 200.8 - Total		05/11/20	0050305	A20A391	
155	A0D0769-01	Water	Ag (Silver) - 200.8 - Total		05/11/20	0050305	A20A391	
156	"	Water	Cd (Cadmium) - 200.8 - Total		05/11/20	0050305	A20A391	
157	"	Water	Cr (Chromium) - 200.8 - Total		05/11/20	0050305	A20A391	
158	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
159	"	Water	Ni (Nickel) - 200.8 - Total		05/11/20	0050305	A20A391	
160	"	Water	Pb (Lead) - 200.8 - Total		05/11/20	0050305	A20A391	
161	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	

Sequence:

0E08027

Instrument:

ICPMS5

Date:

05/08/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
162	A0E0081-01	Water	Al (Aluminum) - 200.8 - Total		05/08/20	0050305	A20A391	
163	"	Water	Ca (Calcium) - 200.8 - Total		05/08/20	0050305	A20A391	
164	"	Water	Mg (Magnesium) - 200.8 - Total		05/08/20	0050305	A20A391	
165	"	Water	Zn (Zinc) - 200.8 - Total		05/08/20	0050305	A20A391	
166	A0E0083-01	Water	Al (Aluminum) - 200.8 - Total		05/11/20	0050305	A20A391	
167	"	Water	Ca (Calcium) - 200.8 - Total		05/11/20	0050305	A20A391	
168	"	Water	Mg (Magnesium) - 200.8 - Total		05/11/20	0050305	A20A391	
169	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
170	A0E0090-01	Water	Fe (Iron) - 200.8 - Total		05/08/20	0050305	A20A391	
171	A0E0139-01	Water	Ag (Silver) - 200.8 - Total	(QC Source)		0050305	A20A391	
172	"	Water	Al (Aluminum) - 200.8 - Total	(QC Source)		0050305	A20A391	
173	"	Water	As (Arsenic) - 200.8 - Total	(QC Source)		0050305	A20A391	
174	"	Water	Ca (Calcium) - 200.8 - Total	(QC Source)		0050305	A20A391	
175	"	Water	Cd (Cadmium) - 200.8 - Total	(QC Source)		0050305	A20A391	
176	"	Water	Cr (Chromium) - 200.8 - Total	(QC Source)		0050305	A20A391	
177	"	Water	Cu (Copper) - 200.8 - Total	"	05/11/20	0050305	A20A391	
178	"	Water	Fe (Iron) - 200.8 - Total	(QC Source)		0050305	A20A391	
179	"	Water	Mg (Magnesium) - 200.8 - Total	(QC Source)		0050305	A20A391	
180	"	Water	Ni (Nickel) - 200.8 - Total	(QC Source)		0050305	A20A391	
181	"	Water	Pb (Lead) - 200.8 - Total	(QC Source)		0050305	A20A391	
182	"	Water	Zn (Zinc) - 200.8 - Total	(QC Source)		0050305	A20A391	
183	0E08027-CCV9	Water	QC	QC			A20A391	A20D039
184	0E08027-CCB8	Water	QC	QC			A20A391	
185	0050305-MS2	Water	QC	QC		0050305	A20A391	
186	A0E0152-01	Water	Ag (Silver) - 200.8 - Total		05/11/20	0050305	A20A391	
187	"	Water	As (Arsenic) - 200.8 - Total		05/11/20	0050305	A20A391	
188	"	Water	Cd (Cadmium) - 200.8 - Total		05/11/20	0050305	A20A391	
189	"	Water	Cr (Chromium) - 200.8 - Total		05/11/20	0050305	A20A391	
190	"	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050305	A20A391	
191	"	Water	Ni (Nickel) - 200.8 - Total		05/11/20	0050305	A20A391	
192	"	Water	Pb (Lead) - 200.8 - Total		05/11/20	0050305	A20A391	
193	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050305	A20A391	
194	0050306-BLK3	Water	QC	QC		0050306	A20A391	
195	0050334-BLK1	Solid	QC	QC		0050334	A20A391	
196	0050334-BS1	Solid	QC	QC		0050334	A20A391	
197	A0E0108-01	Solid	Ag (Silver) - 6020 - Total		05/11/20	0050334	A20A391	
198	"	Solid	As (Arsenic) - 6020 - Total		05/11/20	0050334	A20A391	
199	"	Solid	Ba (Barium) - 6020 - Total		05/11/20	0050334	A20A391	
200	"	Solid	Cd (Cadmium) - 6020 - Total		05/11/20	0050334	A20A391	
201	"	Solid	Cr (Chromium) - 6020 - Total		05/11/20	0050334	A20A391	
202	"	Solid	Hg (Mercury) - 6020 - Total		05/11/20	0050334	A20A391	
203	"	Solid	Pb (Lead) - 6020 - Total		05/11/20	0050334	A20A391	
204	"	Solid	Se (Selenium) - 6020 - Total		05/11/20	0050334	A20A391	
205	0050334-DUP1	Solid	QC	QC		0050334	A20A391	
206	0050334-MS1	Solid	QC	QC		0050334	A20A391	
207	0050347-BLK1	Water	QC	QC		0050347	A20A391	
208	0050347-BS1	Water	QC	QC		0050347	A20A391	
209	0E08027-CCVA	Water	QC	QC			A20A391	A20D039
210	0E08027-CCB9	Water	QC	QC			A20A391	
211	A0D0552-08	Water	Cu (Copper) - 200.8 - Dissolved		05/11/20	0050347	A20A391	
212	"	Water	Fe (Iron) - 200.8 - Dissolved		05/11/20	0050347	A20A391	
213	"	Water	Pb (Lead) - 200.8 - Dissolved		05/11/20	0050347	A20A391	
214	"	Water	Zn (Zinc) - 200.8 - Dissolved		05/11/20	0050347	A20A391	
215	0050347-DUP1	Water	QC	QC		0050347	A20A391	
216	0050347-MS1	Water	QC	QC		0050347	A20A391	

Sequence:

0E08027

Instrument:

ICPMS5

Date:

05/08/20 08:17

Calibration:

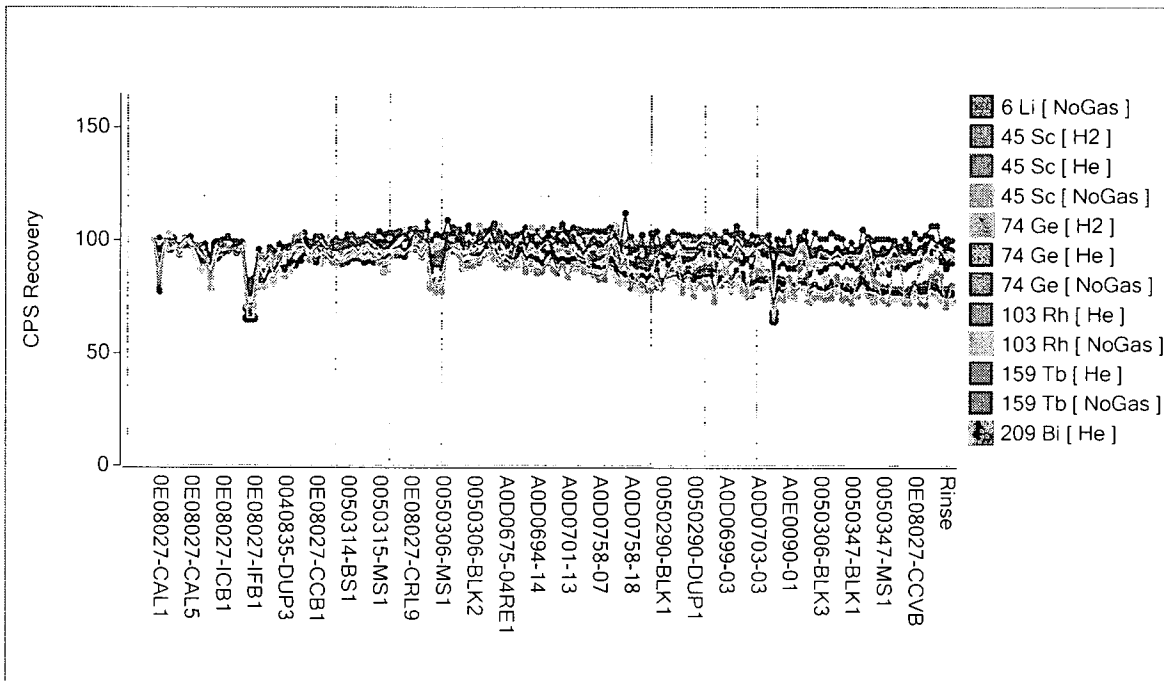
UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
217	0050348-BLK1	Water	QC	QC		0050348	A20A391	
218	0050348-BS1	Water	QC	QC		0050348	A20A391	
219	A0D0552-07	Water	Cu (Copper) - 200.8 - Total		05/11/20	0050348	A20A391	
220	"	Water	Fe (Iron) - 200.8 - Total		05/11/20	0050348	A20A391	
221	"	Water	Pb (Lead) - 200.8 - Total		05/11/20	0050348	A20A391	
222	"	Water	Zn (Zinc) - 200.8 - Total		05/11/20	0050348	A20A391	
223	0050348-DUP1	Water	QC	QC		0050348	A20A391	
224	0050348-MS1	Water	QC	QC		0050348	A20A391	
225	0E08027-CCVB	Water	QC	QC			A20A391	A20D039
226	0E08027-CCBA	Water	QC	QC			A20A391	
227	0E08027-CRLD	Water	QC	QC			A20A391	A20D395
228	0E08027-CRLE	Water	QC	QC			A20A391	A20D396
229	0E08027-CRLF	Water	QC	QC			A20A391	A20D397
230	0E08027-CRLG	Water	QC	QC			A20A391	A20D398

Data Entered By: KT 5/11/20

Comments:

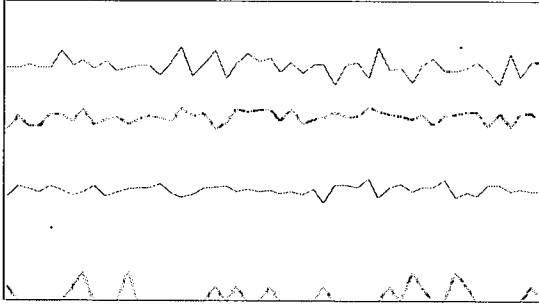
Data Reviewed By: JSJ 05/11/20



Tune Report

Batch Folder C:\Agilent\ICPMH\1\DATA\0E08027.b
Acq. Date-Time 5/8/2020 09:05
Report Comment 0E08027 General Multi-mode Tune Report A20E026
Instrument Name 7700x JP09240003

[NoGas]



Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
7	2000	1587	15870.57	1000.00	
89	5000	3093	30927.29	1000.00	
205	5000	1877	18769.28	1000.00	
102	20	0			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
7		-	
89		-	
205		-	
102		-	

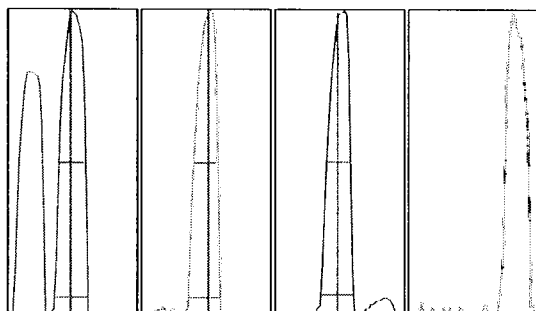
Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
7	3.59	5.00	
89	3.29	5.00	
205	4.26	5.00	
102	175.32		

Mass	Background (Actual)	Background (Required)	Background (Flag)
7	1.20	10	
89	2.10	10	
205	5.80	30	
102	1.90		

Ratio (oxide) 156/140 1.420 %
Ratio (2+) 69/138 1.658 %

Integration Time [sec] 0.1 **Sampling Period [sec]** 0.413

Tune Report



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
7	1650.32	7.00	6.9 - 7.1		0.61	0.778	0.900	
89	3276.50	89.05	88.9 - 89.1		0.54	0.735	0.900	
205	1917.99	205.00	204.9 - 205.1		0.54	0.766	0.900	
102	0.00	102.15	-		0.18	0.175		

Integration Time [sec] 0.1 Acquisition Time [sec] 30.12 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	15.0 V
Omega Lens	12.0 V	Plate Bias	-55 V

Cell Parameters

Use Gas	false	OctP Bias	-8.0 V
He Flow	0.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

Tune Report

Batch Folder C:\Agilent\ICPMH\1\DATA\0E08027.b
Acq. Date-Time 5/8/2020 08:58
Report Comment 0E08027 EPA Multi-mode Tune Report A20E026
Instrument Name 7700x JP09240003

[H2]

Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
59		4772	47717.24	1000.00	
89		19958	199583.57	1000.00	
78		21			

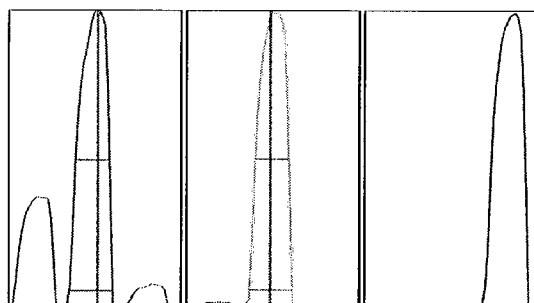
Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
59		-	
89		-	
78		-	

Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
59	2.15	5.00	
89	1.39	5.00	
78	21.13		

Mass	Background (Actual)	Background (Required)	Background (Flag)
59			
89			
78			

Mass	Rep. 1 Count	Rep. 2 Count	Rep. 3 Count	Rep. 4 Count	Rep. 5 Count
59	4635	4693	4869	4817	4846
89	19929	19499	20057	20083	20223
78	21	17	18	28	21

Integration Time [sec] 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
59	878.69	59.05	58.9 - 59.1		0.58	0.756	0.900	

Tune Report

89 3667.75 89.00 88.9 - 89.1 0.56 0.736 0.900
78

Integration Time [sec] 0.1 **Acquisition Time [sec]** 100.35 **Y Axis** Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	4.2 V
Omega Lens	12.0 V	Plate Bias	-60 V

Cell Parameters

Use Gas	true	OctP Bias	-18.0 V
He Flow	0.0 mL/min	OctP RF	200 V
H2 Flow	3.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

[He]

Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
59		4994	49942.29	1000.00	
89		5302	53020.26	1000.00	
205		6727	67267.95	1000.00	
75		35			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
59		-	
89		-	
205		-	
75		-	

Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
59	1.55	5.00	
89	2.29	5.00	
205	1.60	5.00	
75	19.77		

Mass	Background (Actual)	Background (Required)	Background (Flag)
59			
89			

Tune Report

205
75

Mass	Rep. 1 Count	Rep. 2 Count	Rep. 3 Count	Rep. 4 Count	Rep. 5 Count
59	5082	5011	5043	4948	4887
89	5296	5184	5383	5187	5460
205	6766	6855	6575	6770	6668
75	33	45	32	41	28

Integration Time [sec] 0.1

Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
59	919.66	59.00	58.9 - 59.1		0.57	0.754	0.900	
89	993.36	89.05	88.9 - 89.1		0.55	0.733	0.900	
205	1327.33	205.05	204.9 - 205.1		0.52	0.760	0.900	
75	5.50	74.95	-		0.59	0.739		

Integration Time [sec] 0.1 Acquisition Time [sec] 134.8 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	5.8 V
Omega Lens	12.0 V	Plate Bias	-60 V

Cell Parameters

Use Gas	true	OctP Bias	-18.0 V
He Flow	3.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

[NoGas]

Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
7		9785	97848.33	1000.00	
89		19098	190984.89	1000.00	
205		10326	103263.35	1000.00	
102		3			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
7			

Tune Report

89 -
 205 -
 102 -

Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
7	1.47	5.00	
89	1.04	5.00	
205	2.27	5.00	
102	43.65		

Mass	Background (Actual)	Background (Required)	Background (Flag)
7			
89			
205			
102			

Mass	Rep. 1 Count	Rep. 2 Count	Rep. 3 Count	Rep. 4 Count	Rep. 5 Count
7	9811	9813	9957	9558	9786
89	18873	19006	19005	19248	19360
205	10031	10178	10327	10627	10469
102	4	3	3	6	2

Integration Time [sec] 0.1

Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
7	1667.18	7.00	6.9 - 7.1		0.60	0.775	0.900	
89	3555.17	89.05	88.9 - 89.1		0.56	0.736	0.900	
205	2009.11	205.00	204.9 - 205.1		0.52	0.761	0.900	
102								

Integration Time [sec] 0.1 Acquisition Time [sec] 135.3 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	15.0 V
Omega Lens	12.0 V	Plate Bias	-55 V

Cell Parameters

Use Gas	false	OctP Bias	-8.0 V
---------	-------	-----------	--------

Tune Report

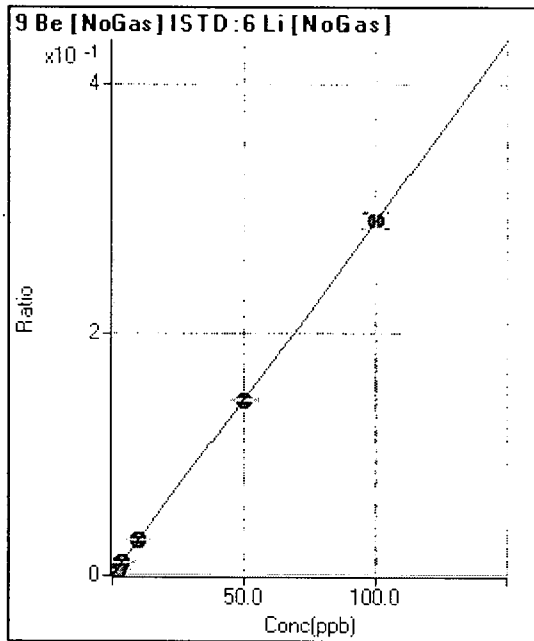
He Flow	0.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

Calibration for 018_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\0E08027.b\
 Analysis File: 0E08027.batch.bin
 DA Date-Time: 5/8/2020 15:18:25
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	008CALB.d	0E08027-CAL0	5/8/2020 09:51:11
2	009CAL.S.d	0E08027-CAL1	5/8/2020 09:56:17
3	010CAL.S.d	0E08027-CAL2	5/8/2020 10:01:47
4	011CAL.S.d	0E08027-CAL3	5/8/2020 10:07:07
5	012CAL.S.d	0E08027-CAL4	5/8/2020 10:12:28
6	013CAL.S.d	0E08027-CAL5	5/8/2020 10:17:48
7	014CAL.S.d	0E08027-CAL6	5/8/2020 10:24:55
8	015CAL.S.d	0E08027-CAL7	5/8/2020 10:30:12
9	016CAL.S.d	0E08027-CAL8	5/8/2020 10:35:21
10	017CAL.S.d	0E08027-CAL9	5/8/2020 10:40:23

Calibration for 018_ICV.d



	R/ct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	39	0.000	P	71.4
2	<input type="checkbox"/>	0.180	0.178	663	0.001	P	17.7
3	<input type="checkbox"/>	0.900	0.897	3,199	0.003	P	5.0
4	<input type="checkbox"/>	1.800	1.803	6,246	0.005	P	3.0
5	<input type="checkbox"/>	3.600	3.628	12,886	0.011	P	3.3
6	<input type="checkbox"/>	10.000	10.008	36,182	0.029	P	1.1
7	<input type="checkbox"/>	50.000	49.636	170,378	0.144	P	1.6
8	<input type="checkbox"/>	100.000	100.180	334,069	0.290	P	4.1
9	<input type="checkbox"/>			143	0.000	P	14.4
10	<input type="checkbox"/>			113	0.000	P	24.2

$y = 0.0029 * x + 3.1633E-005$

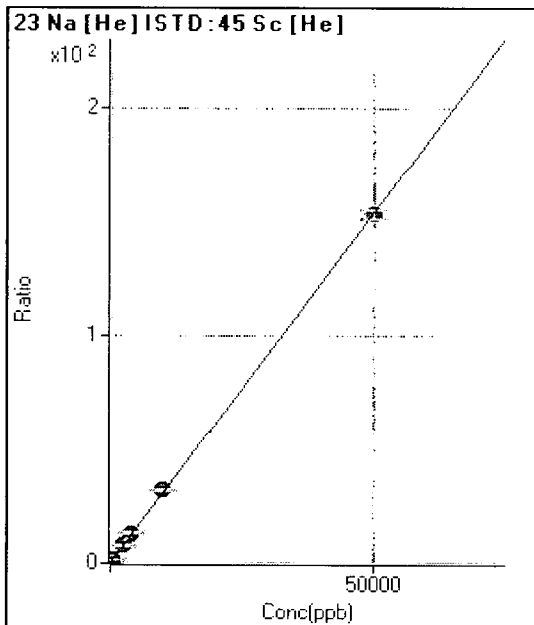
R = 1.0000

DL = 0.02339

BEC = 0.01092

Weight: <None>

Min Conc: <None>



	R/ct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	21,116	0.034	P	1.3
2	<input type="checkbox"/>			35,571	0.060	P	0.6
3	<input type="checkbox"/>	45.000	44.961	103,774	0.172	P	2.5
4	<input type="checkbox"/>	90.000	90.541	185,454	0.312	P	2.1
5	<input type="checkbox"/>	180.000	179.315	358,882	0.585	P	3.8
6	<input type="checkbox"/>	400.000	419.431	800,443	1.321	P	1.6
7	<input type="checkbox"/>	2500.000	2513.897	4,606,552	7.747	A	1.3
8	<input type="checkbox"/>	4000.000	4285.224	7,339,573	13.182	A	6.5
9	<input type="checkbox"/>	10000.000	10461.328	17,785,188	32.131	A	2.4
10	<input type="checkbox"/>	50000.000	49884.068	85,390,310	153.085	A	2.9

$y = 0.0031 * x + 0.0345$

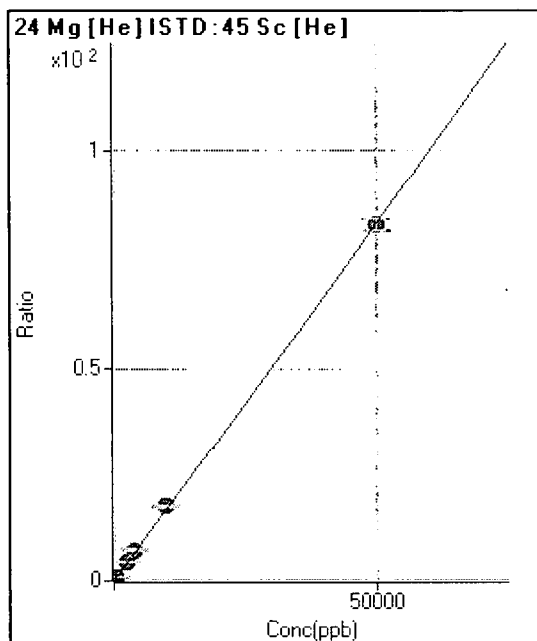
R = 0.9999

DL = 0.4373

BEC = 11.23

Weight: <None>

Min Conc: <None>



	R _{det}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	3,048	0.005	P	1.8
2	<input type="checkbox"/>			12,213	0.021	P	2.3
3	<input type="checkbox"/>	45.000	47.465	50,671	0.084	P	4.2
4	<input type="checkbox"/>	90.000	93.120	95,290	0.160	P	1.1
5	<input type="checkbox"/>	180.000	182.642	190,193	0.310	P	4.5
6	<input type="checkbox"/>	400.000	428.858	436,690	0.721	P	1.9
7	<input type="checkbox"/>	2500.000	2538.520	2,522,769	4.243	A	0.8
8	<input type="checkbox"/>	4000.000	4336.467	4,034,436	7.244	A	5.6
9	<input type="checkbox"/>	10000.000	10491.970	9,697,864	17.520	A	2.1
10	<input type="checkbox"/>	50000.000	49872.515	46,440,846	83.259	A	3.0

$y = 0.0017 * x + 0.0050$

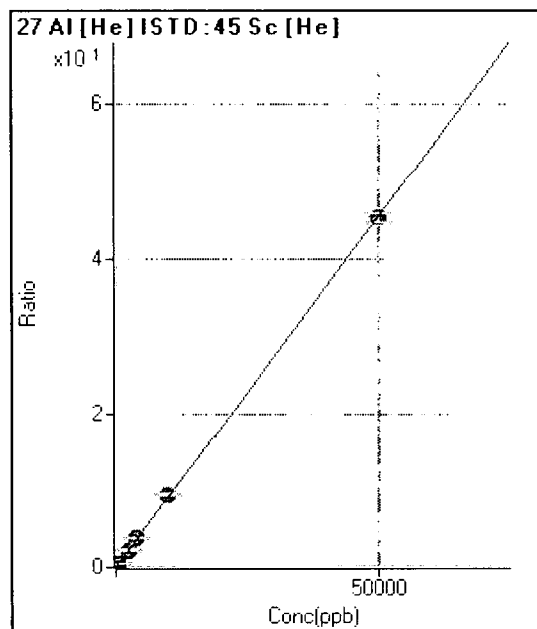
R = 0.9999

DL = 0.1591

BEC = 2.98

Weight: <None>

Min Conc: <None>



	R _{det}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	717	0.001	P	9.2
2	<input type="checkbox"/>			5,758	0.010	P	2.3
3	<input type="checkbox"/>	45.000	46.635	26,207	0.044	P	5.7
4	<input type="checkbox"/>	90.000	93.865	51,373	0.087	P	2.6
5	<input type="checkbox"/>	180.000	183.417	103,071	0.168	P	4.2
6	<input type="checkbox"/>	400.000	427.278	236,024	0.390	P	1.6
7	<input type="checkbox"/>	2500.000	2499.632	1,351,762	2.274	A	2.1
8	<input type="checkbox"/>	4000.000	4238.162	2,146,412	3.854	A	5.9
9	<input type="checkbox"/>	10000.000	10384.163	5,226,387	9.442	A	2.0
10	<input type="checkbox"/>	50000.000	49903.894	25,307,970	45.370	A	2.6

$y = 9.0912E-004 * x + 0.0012$

R = 1.0000

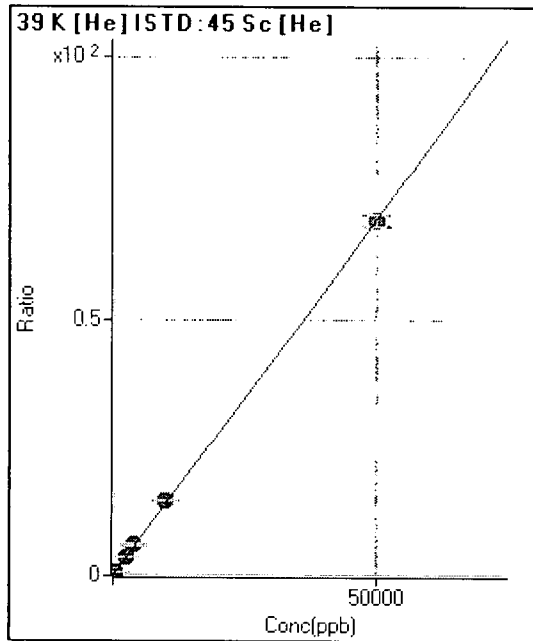
DL = 0.3565

BEC = 1.287

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Ret	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		0.000	0.000	83,624	0.136	P	0.6
2				87,146	0.146	P	1.2
3		45.000	45.613	119,956	0.199	P	3.2
4		90.000	94.494	158,374	0.267	P	2.1
5		180.000	185.587	240,737	0.392	P	3.6
6		400.000	486.533	488,742	0.807	P	1.0
7		2500.000	2578.375	2,193,103	3.689	A	1.5
8		4000.000	4329.103	3,395,879	6.100	A	6.9
9		10000.000	10529.588	8,106,210	14.642	A	0.9
10		50000.000	49863.114	38,391,618	68.829	A	3.2

$y = 0.0014 * x + 0.1365$

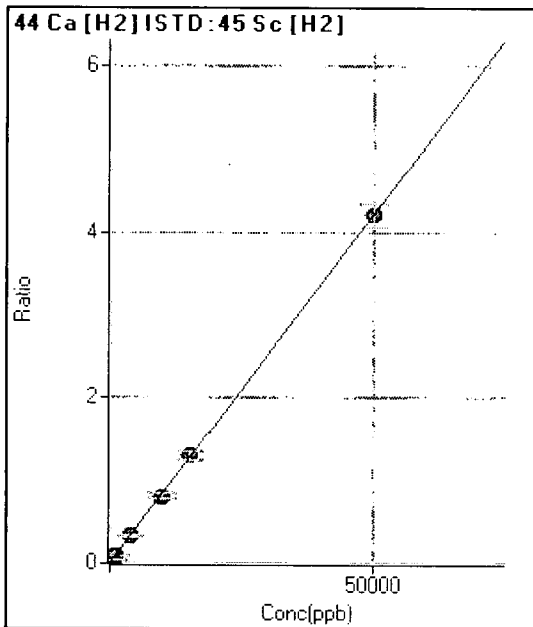
R = 0.9999

DL = 1.635

BEC = 99.07

Weight: <None>

Min Conc: <None>



	Ret	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1		0.000	0.000	2,596	0.001	P	5.9
2				18,975	0.005	P	11.1
3		270.000	277.014	85,810	0.024	P	1.5
4		540.000	585.226	168,513	0.050	P	4.5
5		1080.000	1124.972	335,394	0.096	P	1.1
6		400.000	442.527	133,147	0.038	P	3.3
7		15000.000	15495.506	4,426,263	1.306	A	9.1
8		4000.000	3907.793	1,160,167	0.330	A	7.5
9		10000.000	9593.739	2,835,568	0.809	A	9.7
10		50000.000	49938.139	13,986,612	4.208	A	6.8

$y = 8.4258E-005 * x + 7.2497E-004$

R = 0.9999

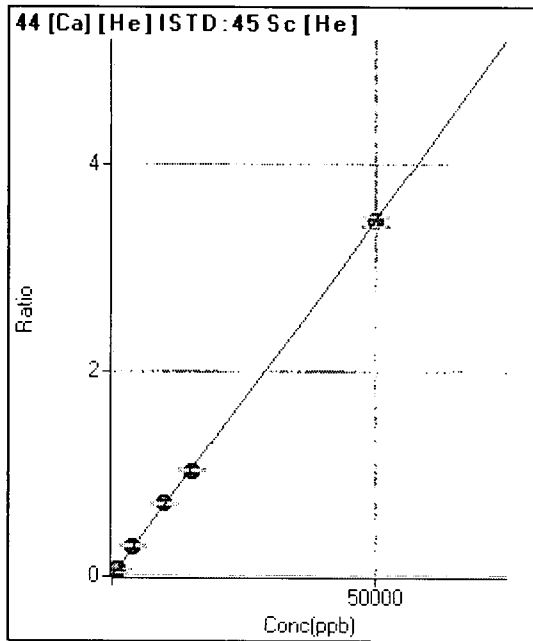
DL = 1.522

BEC = 8.604

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	824	0.001	P	8.5
2	<input type="checkbox"/>			2,969	0.005	P	2.6
3	<input type="checkbox"/>	270.000	276.960	12,340	0.021	P	2.5
4	<input type="checkbox"/>	540.000	558.687	23,744	0.040	P	3.5
5	<input type="checkbox"/>	1080.000	1076.885	46,548	0.076	P	4.1
6	<input type="checkbox"/>	400.000	431.687	18,899	0.031	P	2.9
7	<input type="checkbox"/>	15000.000	14852.164	611,517	1.029	P	2.0
8	<input type="checkbox"/>	4000.000	4270.400	165,200	0.297	P	6.2
9	<input type="checkbox"/>	10000.000	10263.064	393,670	0.711	P	1.7
10	<input type="checkbox"/>	50000.000	49969.680	1,928,547	3.457	A	2.6

$y = 6.9162E-005 * x + 0.0013$

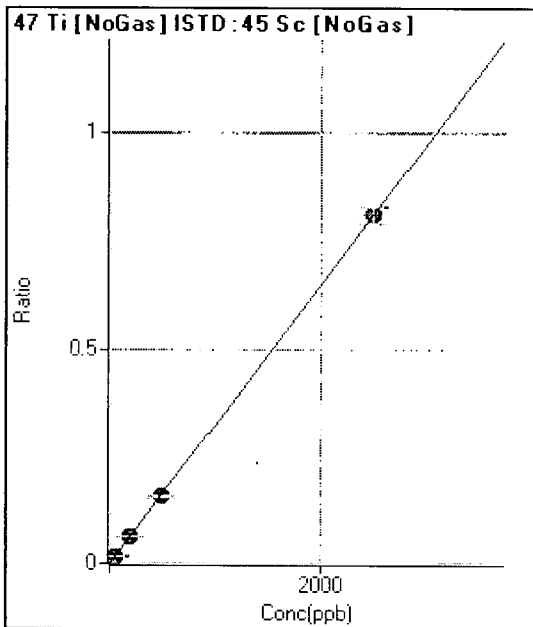
R = 1.0000

DL = 4.979

BEC = 19.46

Weight: <None>

Min Conc: <None>



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	270	0.000	P	0.8
2	<input type="checkbox"/>			506	0.000	P	11.1
3	<input type="checkbox"/>	0.900	0.892	1,563	0.000	P	10.6
4	<input type="checkbox"/>	1.800	1.862	2,886	0.001	P	2.1
5	<input type="checkbox"/>	3.600	3.485	5,300	0.001	P	9.7
6	<input type="checkbox"/>	20.000	20.018	29,711	0.007	P	4.8
7	<input type="checkbox"/>	50.000	48.262	68,501	0.016	P	5.2
8	<input type="checkbox"/>	200.000	198.773	265,367	0.064	P	5.9
9	<input type="checkbox"/>	500.000	485.680	654,547	0.157	P	0.7
10	<input type="checkbox"/>	2500.000	2502.997	3,237,245	0.811	A	4.9

$y = 3.2402E-004 * x + 6.0391E-005$

R = 1.0000

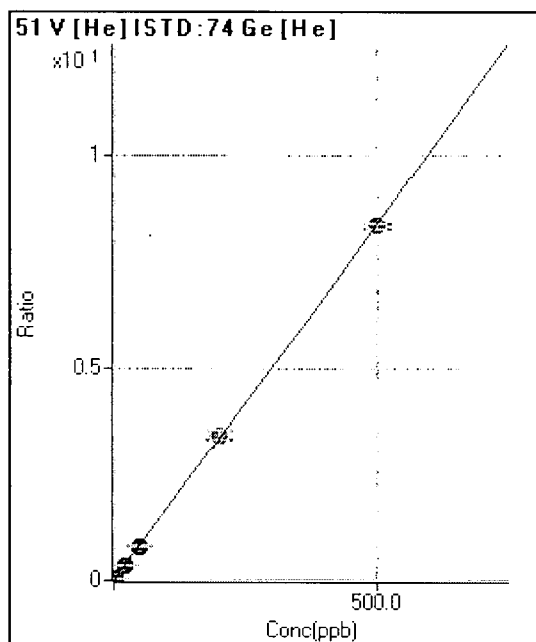
DL = 0.004214

BEC = 0.1864

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Ret	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	1,970	0.006	P	1.6
2	<input type="checkbox"/>			2,962	0.009	P	1.8
3	<input type="checkbox"/>	0.900	0.892	6,828	0.021	P	2.6
4	<input type="checkbox"/>	1.800	1.806	11,696	0.036	P	2.4
5	<input type="checkbox"/>	3.600	3.535	21,458	0.065	P	2.4
6	<input type="checkbox"/>	20.000	20.477	114,765	0.350	P	1.5
7	<input type="checkbox"/>	50.000	48.309	261,819	0.818	P	1.7
8	<input type="checkbox"/>	200.000	204.183	1,039,145	3.438	M	6.8
9	<input type="checkbox"/>	500.000	498.477	2,521,909	8.384	A	1.4
10	<input type="checkbox"/>			2,320	0.008	P	2.7

$y = 0.0168 * x + 0.0060$

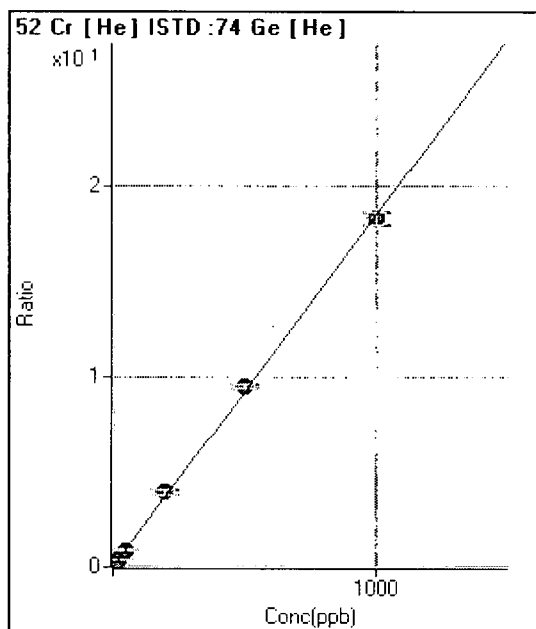
R = 0.9999

DL = 0.01716

BEC = 0.3549

Weight: <None>

Min Conc: <None>



	Ret	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	737	0.002	P	4.1
2	<input type="checkbox"/>			1,783	0.006	P	5.6
3	<input type="checkbox"/>	0.900	0.882	6,032	0.019	P	4.0
4	<input type="checkbox"/>	1.800	1.868	11,829	0.037	P	3.5
5	<input type="checkbox"/>	3.600	3.678	23,029	0.070	P	3.1
6	<input type="checkbox"/>	20.000	21.129	128,631	0.392	P	2.4
7	<input type="checkbox"/>	50.000	49.490	293,301	0.916	P	1.4
8	<input type="checkbox"/>	200.000	213.026	1,190,255	3.936	A	5.9
9	<input type="checkbox"/>	500.000	512.987	2,850,327	9.476	A	2.1
10	<input type="checkbox"/>	1000.000	990.904	5,385,037	18.302	A	3.5

$y = 0.0185 * x + 0.0022$

R = 0.9998

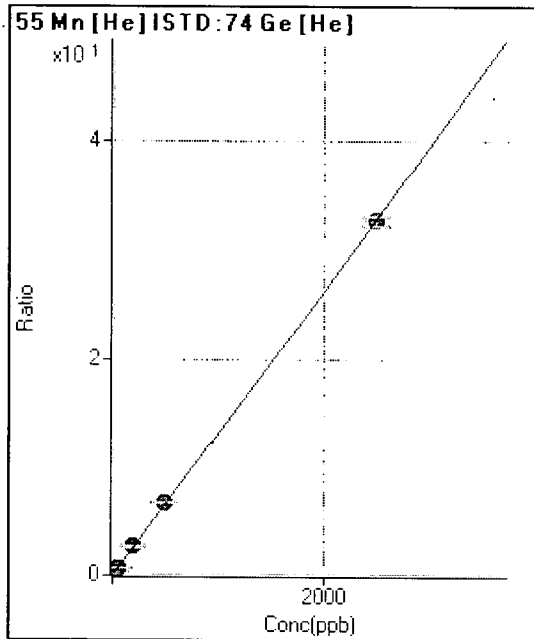
DL = 0.0149

BEC = 0.1207

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	R/ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	339	0.001	P	4.1
2	<input type="checkbox"/>			1,049	0.003	P	3.1
3	<input type="checkbox"/>	0.900	0.921	4,275	0.013	P	7.0
4	<input type="checkbox"/>	1.800	1.842	8,130	0.025	P	1.3
5	<input type="checkbox"/>	3.600	3.658	16,110	0.049	P	4.4
6	<input type="checkbox"/>	20.000	21.012	90,844	0.277	P	1.1
7	<input type="checkbox"/>	50.000	49.528	208,664	0.652	P	1.4
8	<input type="checkbox"/>	200.000	208.554	828,785	2.741	P	6.4
9	<input type="checkbox"/>	500.000	515.317	2,037,252	6.772	A	1.3
10	<input type="checkbox"/>	2500.000	2496.254	9,651,799	32.801	A	2.8

$y = 0.0131 * x + 0.0010$

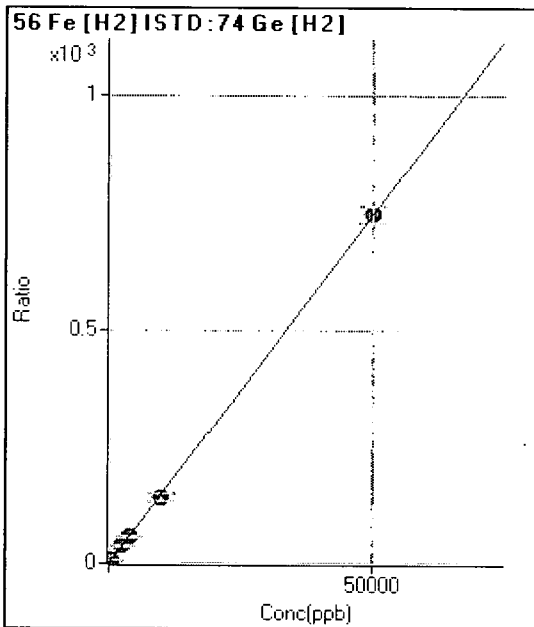
R = 1.0000

DL = 0.009542

BEC = 0.07807

Weight: <None>

Min Conc: <None>



	R/ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	66,492	0.060	P	8.4
2	<input type="checkbox"/>			206,292	0.181	P	9.1
3	<input type="checkbox"/>	45.000	43.244	792,114	0.704	P	1.3
4	<input type="checkbox"/>	90.000	94.117	1,550,393	1.463	A	5.5
5	<input type="checkbox"/>	180.000	179.669	3,018,832	2.739	A	1.8
6	<input type="checkbox"/>	400.000	421.116	6,917,800	6.339	A	4.7
7	<input type="checkbox"/>	2500.000	2537.579	39,327,445	37.896	A	8.9
8	<input type="checkbox"/>	4000.000	3890.430	62,654,782	58.068	A	6.5
9	<input type="checkbox"/>	10000.000	9543.918	147,269,804	142.364	A	12.2
10	<input type="checkbox"/>	50000.000	50097.929	714,967,420	747.043	A	4.5

$y = 0.0149 * x + 0.0596$

R = 1.0000

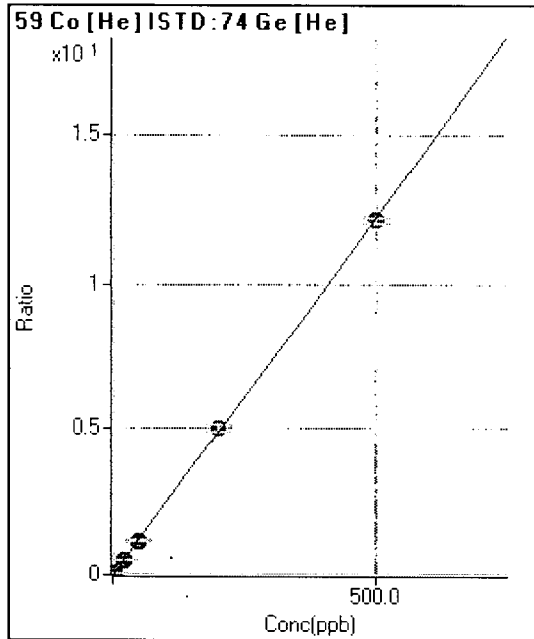
DL = 1.005

BEC = 3.996

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	223	0.001	P	13.8
2	<input type="checkbox"/>			1,683	0.005	P	8.3
3	<input type="checkbox"/>	0.900	0.894	7,325	0.022	P	2.8
4	<input type="checkbox"/>	1.800	1.826	14,574	0.045	P	4.1
5	<input type="checkbox"/>	3.600	3.631	29,321	0.089	P	2.6
6	<input type="checkbox"/>	20.000	20.974	168,039	0.513	P	2.2
7	<input type="checkbox"/>	50.000	48.642	380,343	1.188	P	1.6
8	<input type="checkbox"/>	200.000	205.583	1,518,165	5.019	A	5.0
9	<input type="checkbox"/>	500.000	497.863	3,658,108	12.154	A	1.6
10	<input type="checkbox"/>			1,915	0.007	P	7.1

$y = 0.0244 * x + 6.7579E-004$

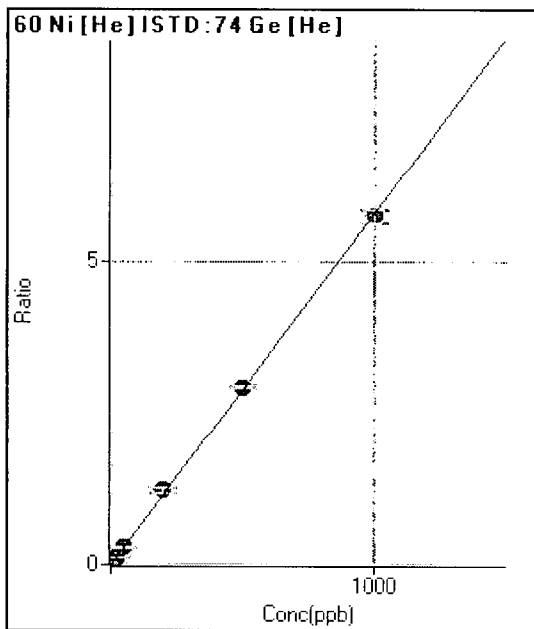
R = 0.9999

DL = 0.0115

BEC = 0.02768

Weight: <None>

Min Conc: <None>



	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	316	0.001	P	18.4
2	<input type="checkbox"/>			500	0.002	P	5.7
3	<input type="checkbox"/>	0.900	0.869	1,949	0.006	P	2.2
4	<input type="checkbox"/>	1.800	1.809	3,683	0.011	P	0.6
5	<input type="checkbox"/>	3.600	3.696	7,336	0.022	P	4.1
6	<input type="checkbox"/>	20.000	21.791	41,665	0.127	P	3.1
7	<input type="checkbox"/>	50.000	50.356	93,628	0.292	P	2.7
8	<input type="checkbox"/>	200.000	214.100	375,074	1.241	P	6.1
9	<input type="checkbox"/>	500.000	507.165	883,558	2.937	P	1.5
10	<input type="checkbox"/>	1000.000	993.543	1,692,763	5.753	A	3.6

$y = 0.0058 * x + 9.5480E-004$

R = 0.9999

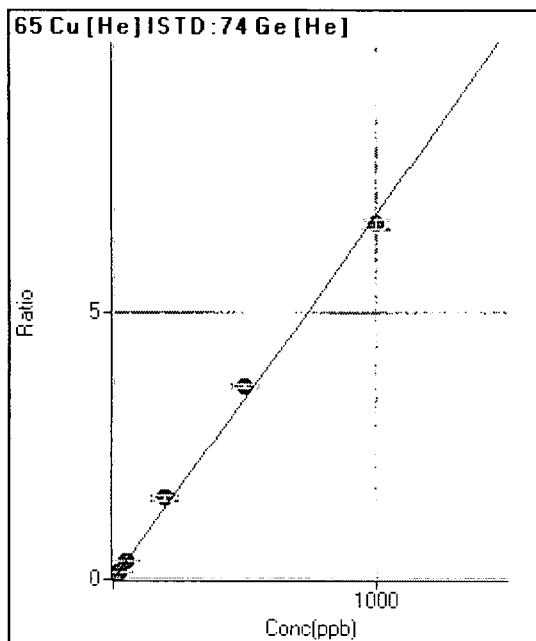
DL = 0.09115

BEC = 0.1649

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	R/ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	136	0.000	P	43.0
2	<input type="checkbox"/>			521	0.002	P	8.0
3	<input type="checkbox"/>	0.900	1.001	2,338	0.007	P	6.9
4	<input type="checkbox"/>	1.800	1.975	4,435	0.014	P	2.3
5	<input type="checkbox"/>	3.600	4.020	9,055	0.028	P	3.1
6	<input type="checkbox"/>	20.000	22.951	50,990	0.156	P	2.1
7	<input type="checkbox"/>	50.000	52.741	114,267	0.357	P	1.2
8	<input type="checkbox"/>	200.000	225.649	461,318	1.526	P	6.2
9	<input type="checkbox"/>	500.000	533.987	1,085,925	3.610	A	2.0
10	<input type="checkbox"/>	1000.000	977.679	1,944,830	6.609	A	2.8

$y = 0.0068 * x + 4.1076E-004$

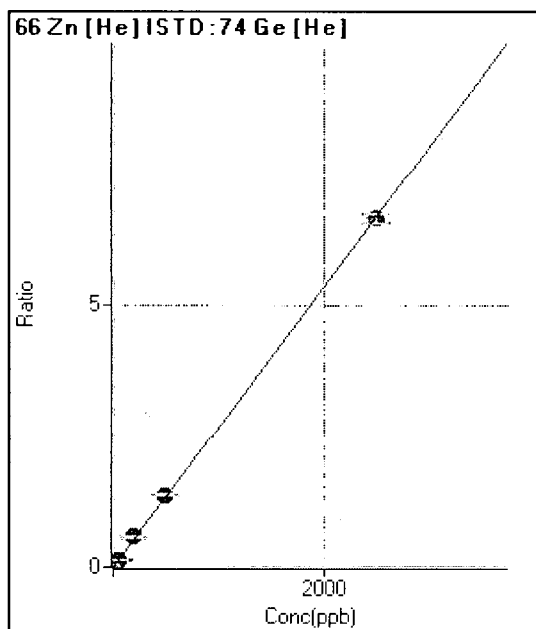
R = 0.9989

DL = 0.07844

BEC = 0.06076

Weight: <None>

Min Conc: <None>



	R/ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	142	0.000	P	13.2
2	<input type="checkbox"/>			240	0.001	P	22.5
3	<input type="checkbox"/>			941	0.003	P	10.4
4	<input type="checkbox"/>	1.800	1.957	1,818	0.006	P	1.4
5	<input type="checkbox"/>	3.600	3.766	3,433	0.010	P	3.2
6	<input type="checkbox"/>	20.000	21.889	19,246	0.059	P	2.0
7	<input type="checkbox"/>	50.000	51.334	43,899	0.137	P	1.0
8	<input type="checkbox"/>	200.000	220.244	177,438	0.587	P	6.3
9	<input type="checkbox"/>	500.000	520.090	416,731	1.385	P	1.1
10	<input type="checkbox"/>	2500.000	2494.320	1,954,513	6.642	A	2.6

$y = 0.0027 * x + 4.3061E-004$

R = 0.9999

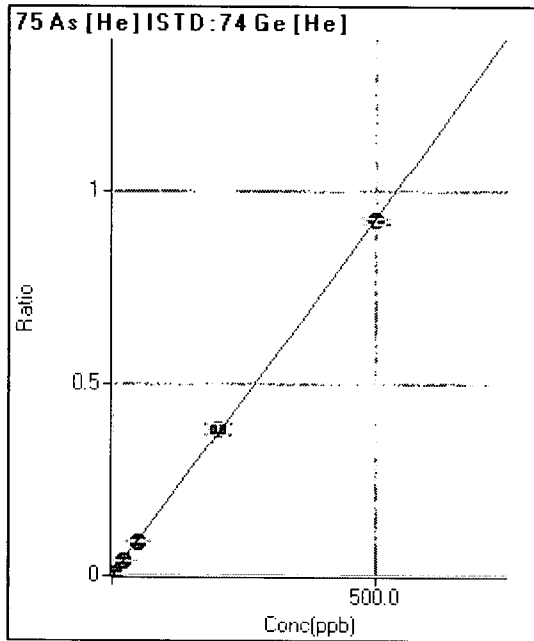
DL = 0.06387

BEC = 0.1617

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	47	0.000	P	18.9
2	<input type="checkbox"/>			154	0.000	P	7.0
3	<input type="checkbox"/>	0.900	0.945	619	0.002	P	7.0
4	<input type="checkbox"/>	1.800	1.819	1,136	0.004	P	5.2
5	<input type="checkbox"/>	3.600	3.526	2,201	0.007	P	2.3
6	<input type="checkbox"/>	20.000	20.543	12,584	0.038	P	1.4
7	<input type="checkbox"/>	50.000	48.660	29,045	0.091	P	1.8
8	<input type="checkbox"/>	200.000	206.013	115,977	0.384	P	6.8
9	<input type="checkbox"/>	500.000	497.707	278,766	0.927	P	1.4
10	<input type="checkbox"/>			139	0.000	P	9.8

$y = 0.0019 * x + 1.4132E-004$

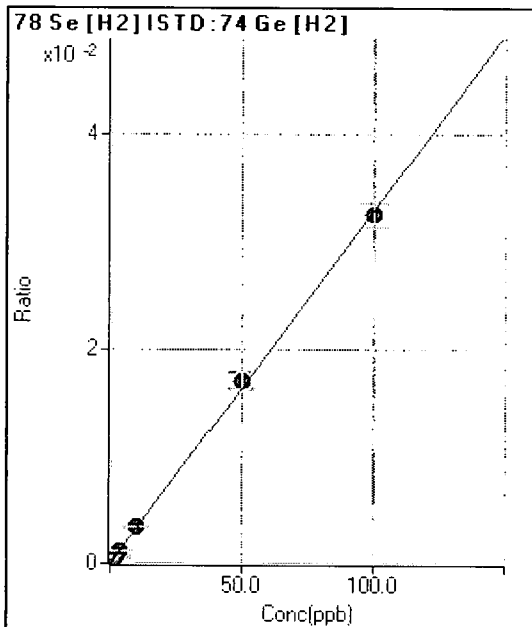
R = 0.9999

DL = 0.04308

BEC = 0.07591

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	7	0.000	P	50.4
2	<input type="checkbox"/>			65	0.000	P	21.6
3	<input type="checkbox"/>	0.900	0.874	331	0.000	P	1.9
4	<input type="checkbox"/>	1.800	1.844	649	0.001	P	9.4
5	<input type="checkbox"/>	3.600	3.675	1,340	0.001	P	3.2
6	<input type="checkbox"/>	10.000	10.516	3,784	0.003	P	3.7
7	<input type="checkbox"/>	50.000	51.985	17,759	0.017	P	8.9
8	<input type="checkbox"/>	100.000	98.953	35,130	0.033	P	7.0
9	<input type="checkbox"/>			46	0.000	P	17.0
10	<input type="checkbox"/>			41	0.000	P	26.9

$y = 3.2903E-004 * x + 6.6689E-006$

R = 0.9997

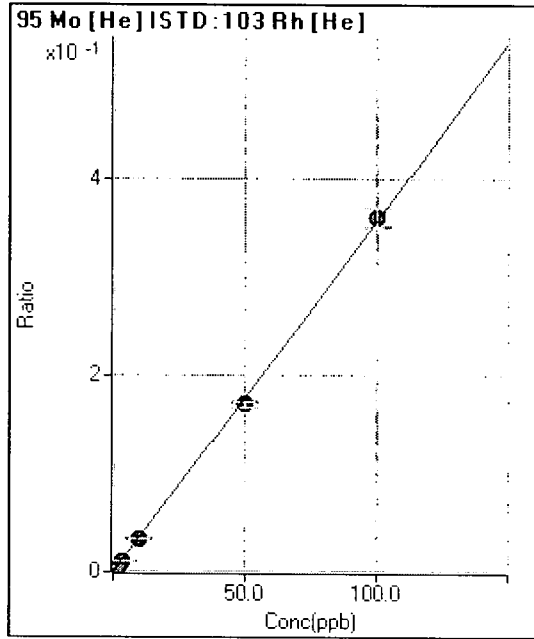
DL = 0.03062

BEC = 0.02027

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	RJct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	33	0.000	P	61.6
2	<input type="checkbox"/>			516	0.001	P	16.0
3	<input type="checkbox"/>	0.900	0.853	2,174	0.003	P	4.8
4	<input type="checkbox"/>	1.800	1.752	4,353	0.006	P	4.6
5	<input type="checkbox"/>	3.600	3.389	8,637	0.012	P	2.7
6	<input type="checkbox"/>	10.000	9.832	24,777	0.035	P	1.2
7	<input type="checkbox"/>	50.000	47.976	115,912	0.171	P	2.8
8	<input type="checkbox"/>	100.000	101.038	232,924	0.361	P	5.3
9	<input type="checkbox"/>			230	0.000	P	13.6
10	<input type="checkbox"/>			238	0.000	P	6.2

$y = 0.0036 * x + 4.6556E-005$

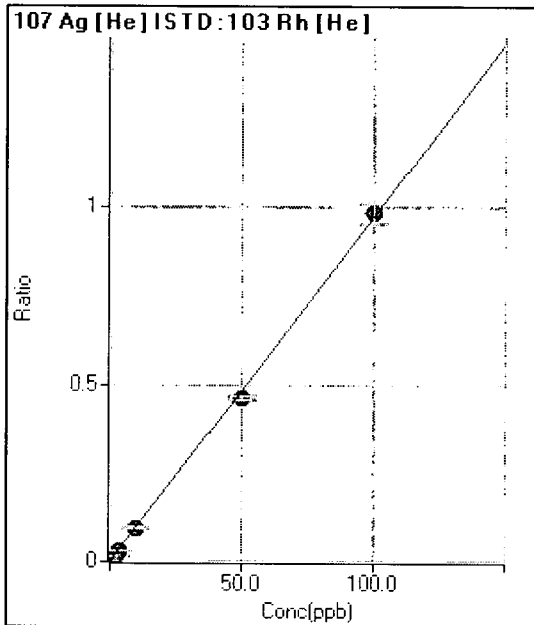
R = 0.9997

DL = 0.0241

BEC = 0.01305

Weight: <None>

Min Conc: <None>



	RJct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	6	0.000	P	125.0
2	<input type="checkbox"/>	0.180	0.179	1,217	0.002	P	3.8
3	<input type="checkbox"/>	0.900	0.893	6,112	0.009	P	2.8
4	<input type="checkbox"/>	1.800	1.753	11,784	0.017	P	2.6
5	<input type="checkbox"/>	3.600	3.425	23,682	0.033	P	3.0
6	<input type="checkbox"/>	10.000	9.893	67,800	0.096	P	1.4
7	<input type="checkbox"/>	50.000	47.805	314,434	0.465	P	2.1
8	<input type="checkbox"/>	100.000	101.115	634,698	0.982	P	5.5
9	<input type="checkbox"/>			164	0.000	P	10.7
10	<input type="checkbox"/>			120	0.000	P	4.2

$y = 0.0097 * x + 7.7949E-006$

R = 0.9997

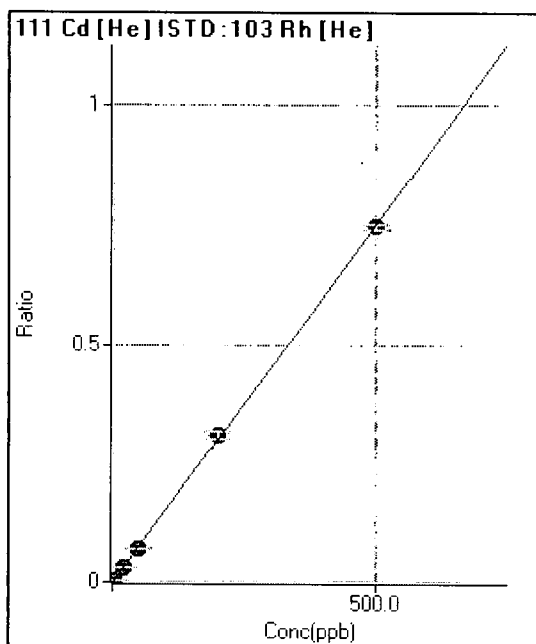
DL = 0.003008

BEC = 0.0008022

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	2	0.000	P	86.6
2	<input type="checkbox"/>	0.180	0.187	198	0.000	P	6.0
3	<input type="checkbox"/>	0.900	0.891	946	0.001	P	3.5
4	<input type="checkbox"/>	1.800	1.771	1,845	0.003	P	3.8
5	<input type="checkbox"/>	3.600	3.529	3,782	0.005	P	2.4
6	<input type="checkbox"/>	20.000	20.138	21,380	0.030	P	2.5
7	<input type="checkbox"/>	50.000	48.333	49,258	0.073	P	1.5
8	<input type="checkbox"/>	200.000	205.303	199,651	0.309	P	5.5
9	<input type="checkbox"/>	500.000	498.041	479,408	0.750	P	1.5
10	<input type="checkbox"/>			5,980	0.010	P	2.8

$y = 0.0015 * x + 2.8058E-006$

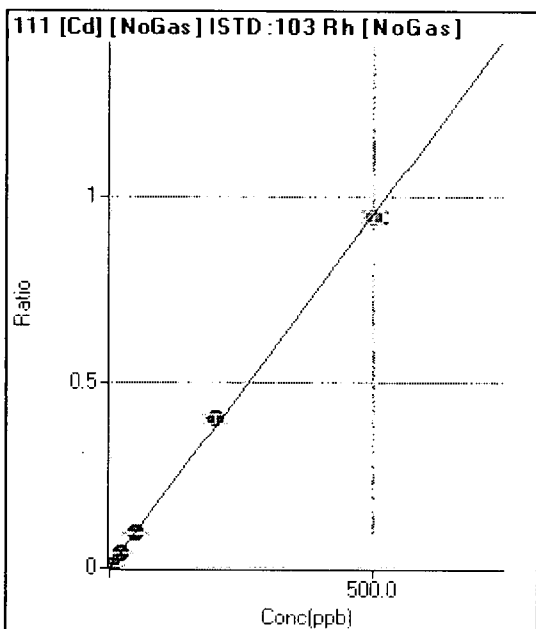
R = 0.9999

DL = 0.004842

BEC = 0.001864

Weight: <None>

Min Conc: <None>



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	7	0.000	P	228.8
2	<input type="checkbox"/>	0.180	0.167	370	0.000	P	15.4
3	<input type="checkbox"/>	0.900	0.899	1,920	0.002	P	3.7
4	<input type="checkbox"/>	1.800	1.795	3,747	0.003	P	5.7
5	<input type="checkbox"/>	3.600	3.568	7,678	0.007	P	4.1
6	<input type="checkbox"/>	20.000	20.232	43,788	0.039	P	2.3
7	<input type="checkbox"/>	50.000	49.460	100,387	0.094	P	6.4
8	<input type="checkbox"/>	200.000	212.258	400,762	0.404	P	6.0
9	<input type="checkbox"/>	500.000	495.142	959,663	0.943	M	3.0
10	<input type="checkbox"/>			12,452	0.014	P	6.1

$y = 0.0019 * x + 6.6613E-006$

R = 0.9996

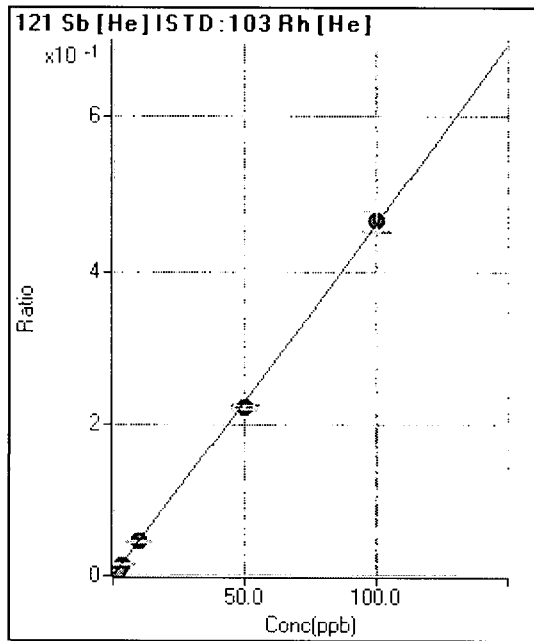
DL = 0.02401

BEC = 0.003498

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	46	0.000	P	35.0
2	<input type="checkbox"/>			568	0.001	P	9.9
3	<input type="checkbox"/>	0.900	0.827	2,733	0.004	P	3.0
4	<input type="checkbox"/>	1.800	1.705	5,483	0.008	P	3.5
5	<input type="checkbox"/>	3.600	3.412	11,240	0.016	P	5.8
6	<input type="checkbox"/>	10.000	9.900	32,261	0.046	P	2.4
7	<input type="checkbox"/>	50.000	48.113	150,330	0.222	P	2.0
8	<input type="checkbox"/>	100.000	100.963	300,939	0.466	P	6.1
9	<input type="checkbox"/>			251	0.000	P	18.0
10	<input type="checkbox"/>			214	0.000	P	20.1

$y = 0.0046 * x + 6.3517E-005$

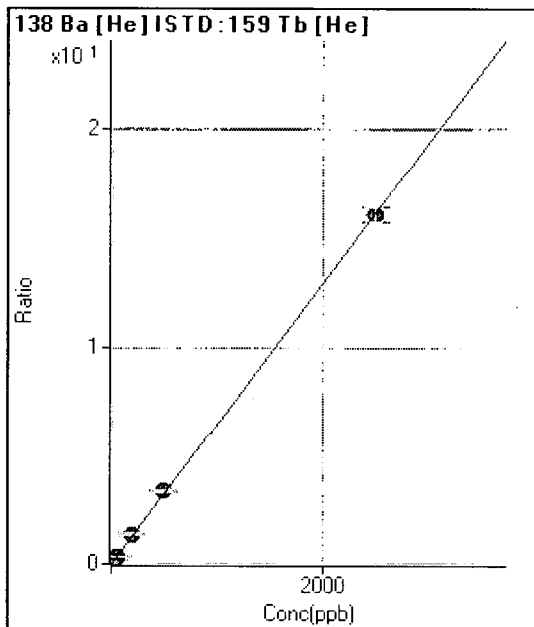
R = 0.9998

DL = 0.01447

BEC = 0.01377

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	254	0.000	P	7.0
2	<input type="checkbox"/>			1,327	0.001	P	6.4
3	<input type="checkbox"/>	0.900	0.908	6,312	0.006	P	6.2
4	<input type="checkbox"/>	1.800	1.889	12,395	0.012	P	4.4
5	<input type="checkbox"/>	3.600	3.821	25,413	0.025	P	4.4
6	<input type="checkbox"/>	20.000	22.141	143,036	0.143	P	2.3
7	<input type="checkbox"/>	50.000	51.921	336,895	0.335	P	2.1
8	<input type="checkbox"/>	200.000	216.072	1,332,338	1.394	A	8.1
9	<input type="checkbox"/>	500.000	525.688	3,230,338	3.392	A	2.8
10	<input type="checkbox"/>	2500.000	2493.521	15,291,799	16.089	A	4.1

$y = 0.0065 * x + 2.4768E-004$

R = 0.9999

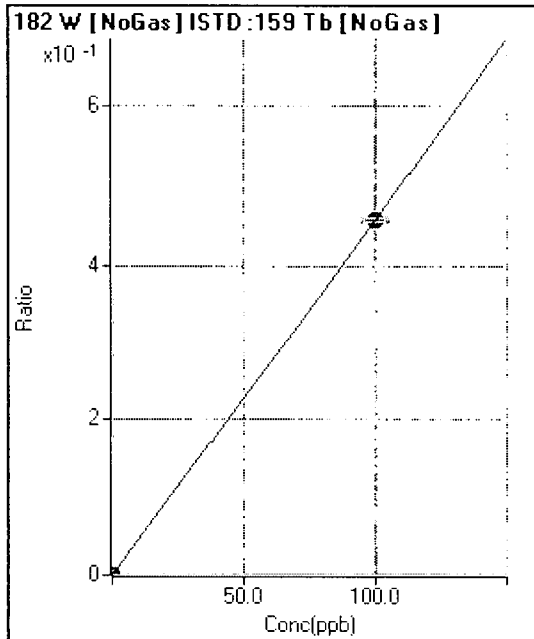
DL = 0.008023

BEC = 0.03839

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	R/Std	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	468	0.000	P	18.5
2	<input type="checkbox"/>			444	0.000	P	16.5
3	<input type="checkbox"/>			390	0.000	P	8.4
4	<input type="checkbox"/>			428	0.000	P	17.6
5	<input type="checkbox"/>			441	0.000	P	9.8
6	<input type="checkbox"/>			423	0.000	P	6.2
7	<input type="checkbox"/>			559	0.000	P	13.2
8	<input type="checkbox"/>			660	0.000	P	10.9
9	<input type="checkbox"/>	100.000	100.000	756.677	0.457	P	1.2
10	<input type="checkbox"/>			1,818	0.001	P	6.9

$y = 0.0046 * x + 2.6226E-004$

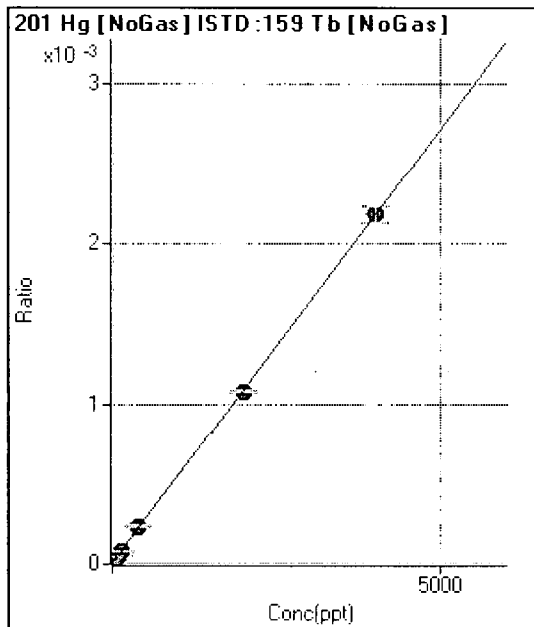
R = 1.0000

DL = 0.0319

BEC = 0.05739

Weight: <None>

Min Conc: <None>



	R/Std	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	-3.505	7	0.000	P	24.9
2	<input type="checkbox"/>			15	0.000	P	11.4
3	<input type="checkbox"/>	36.000	35.988	45	0.000	P	5.1
4	<input type="checkbox"/>	72.000	73.608	78	0.000	P	0.7
5	<input type="checkbox"/>	144.000	134.314	139	0.000	P	8.3
6	<input type="checkbox"/>	400.000	423.724	411	0.000	P	1.9
7	<input type="checkbox"/>	2000.000	1979.847	1,865	0.001	P	1.7
8	<input type="checkbox"/>	4000.000	4008.024	3,678	0.002	P	5.0
9	<input type="checkbox"/>			99	0.000	P	10.3
10	<input type="checkbox"/>			26	0.000	P	24.6

$y = 5.435150E-007 * x + 5.769528E-006$

R = 1.0000

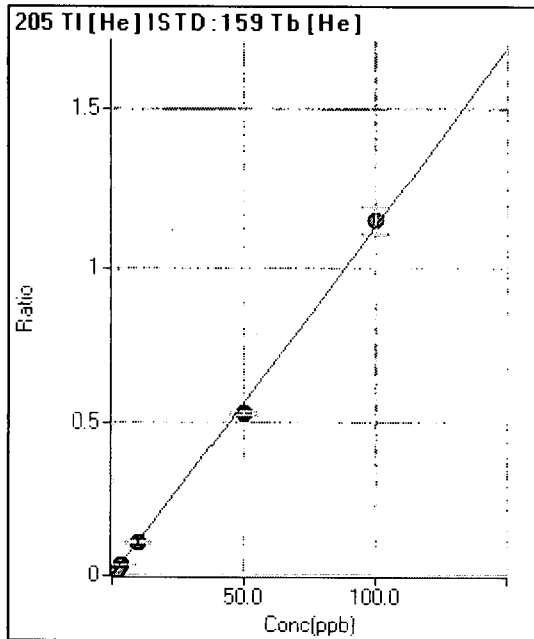
DL = 5.306

BEC = 10.62

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	28	0.000	P	47.4
2	<input type="checkbox"/>	0.180	0.166	1,900	0.002	P	5.2
3	<input type="checkbox"/>	0.900	0.873	10,228	0.010	P	2.9
4	<input type="checkbox"/>	1.800	1.739	19,600	0.020	P	2.0
5	<input type="checkbox"/>	3.600	3.384	39,019	0.038	P	4.1
6	<input type="checkbox"/>	10.000	9.894	111,658	0.112	P	2.9
7	<input type="checkbox"/>	50.000	46.696	529,755	0.527	P	2.4
8	<input type="checkbox"/>	100.000	101.672	1,097,095	1.148	A	7.4
9	<input type="checkbox"/>			444	0.000	P	1.1
10	<input type="checkbox"/>			110	0.000	P	37.1

$y = 0.0113 * x + 2.6980E-005$

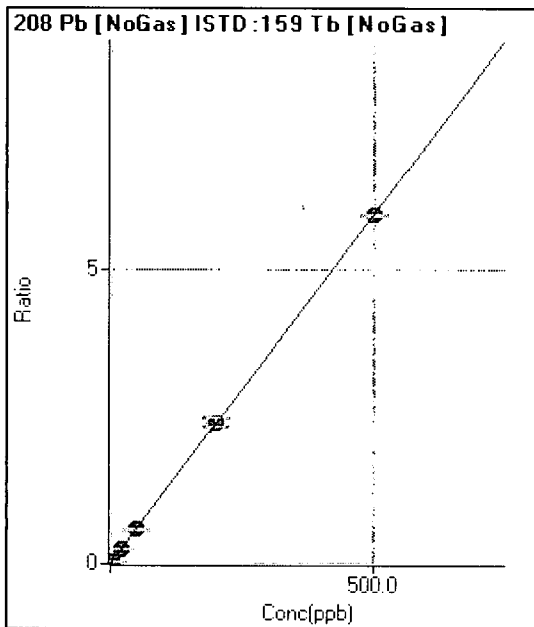
R = 0.9993

DL = 0.003401

BEC = 0.00239

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	281	0.000	P	2.3
2	<input type="checkbox"/>	0.180	0.180	4,131	0.002	P	2.4
3	<input type="checkbox"/>	0.900	0.915	19,446	0.011	P	3.6
4	<input type="checkbox"/>	1.800	1.882	38,399	0.023	P	4.0
5	<input type="checkbox"/>	3.600	3.645	76,608	0.044	P	3.2
6	<input type="checkbox"/>	20.000	21.105	437,007	0.251	P	2.9
7	<input type="checkbox"/>	50.000	49.276	1,010,620	0.586	P	3.5
8	<input type="checkbox"/>	200.000	201.415	4,032,112	2.397	A	6.6
9	<input type="checkbox"/>	500.000	499.462	9,835,068	5.943	A	0.8
10	<input type="checkbox"/>			3,036	0.002	P	6.7

$y = 0.0119 * x + 1.5805E-004$

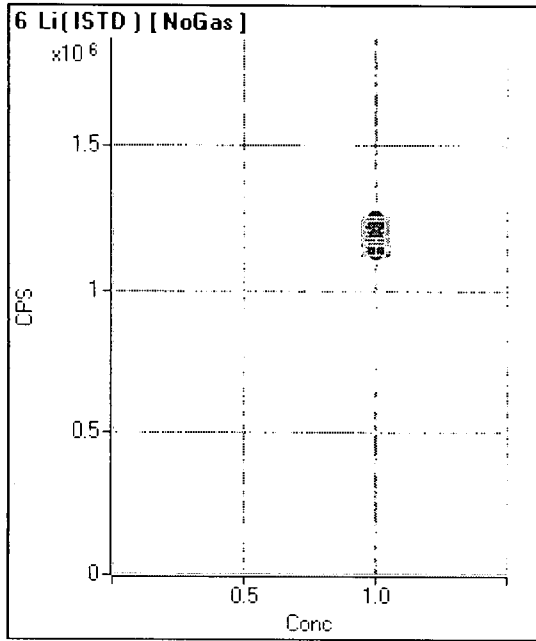
R = 1.0000

DL = 0.0009191

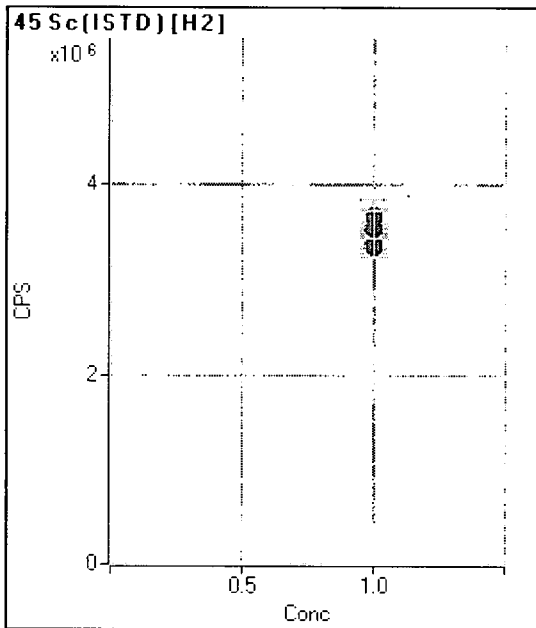
BEC = 0.01328

Weight: <None>

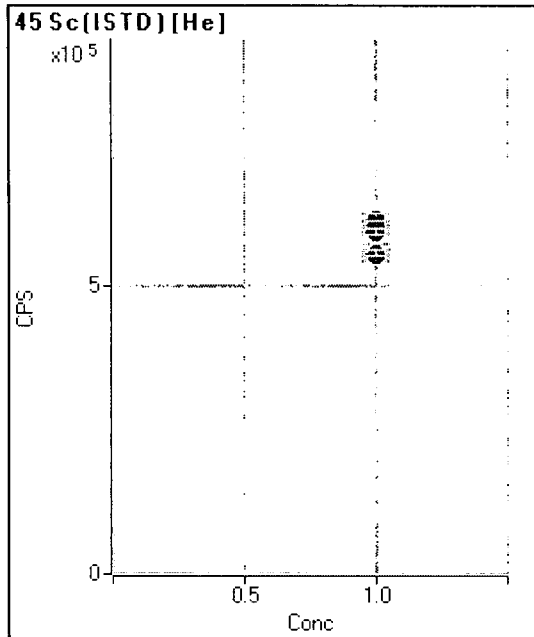
Min Conc: <None>



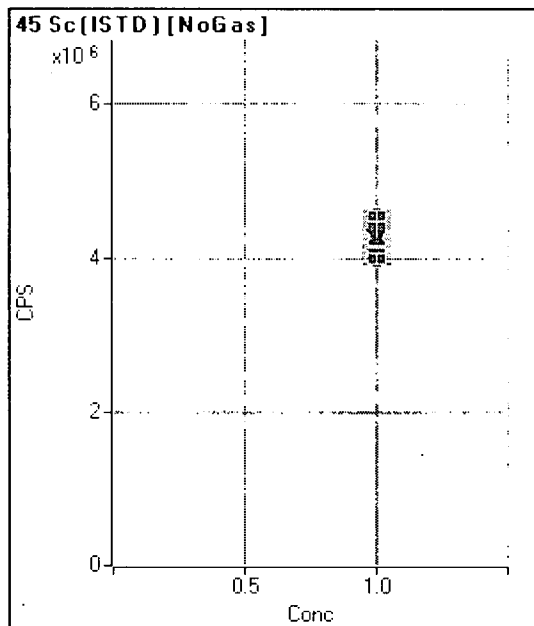
	R/c	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,229,359		A	0.1
2	<input type="checkbox"/>	1.000		1,211,574		A	0.9
3	<input type="checkbox"/>	1.000		1,217,051		A	1.4
4	<input type="checkbox"/>	1.000		1,189,448		A	3.1
5	<input type="checkbox"/>	1.000		1,223,150		A	2.3
6	<input type="checkbox"/>	1.000		1,247,069		A	1.2
7	<input type="checkbox"/>	1.000		1,185,178		A	1.4
8	<input type="checkbox"/>	1.000		1,152,212		A	2.8
9	<input type="checkbox"/>	1.000		1,177,826		A	1.4
10	<input type="checkbox"/>	1.000		1,138,147		A	3.0



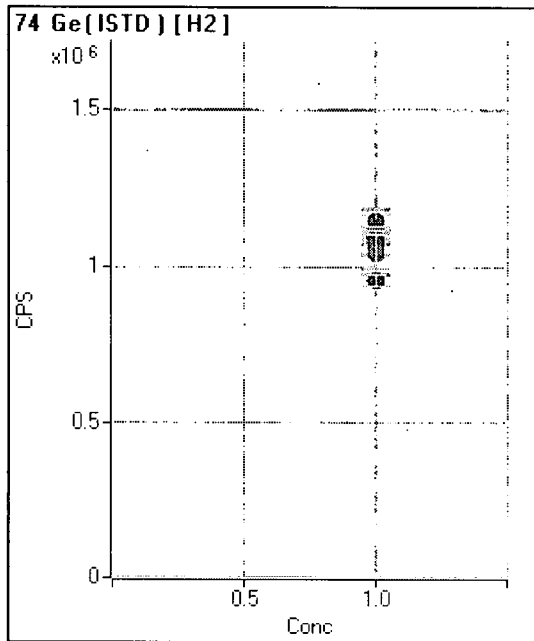
	R/c	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		3,591,938		A	8.5
2	<input type="checkbox"/>	1.000		3,681,488		A	8.3
3	<input type="checkbox"/>	1.000		3,565,973		A	1.1
4	<input type="checkbox"/>	1.000		3,371,759		A	3.8
5	<input type="checkbox"/>	1.000		3,511,669		A	0.7
6	<input type="checkbox"/>	1.000		3,504,592		A	2.3
7	<input type="checkbox"/>	1.000		3,404,057		A	7.8
8	<input type="checkbox"/>	1.000		3,522,777		A	4.2
9	<input type="checkbox"/>	1.000		3,529,134		A	10.7
10	<input type="checkbox"/>	1.000		3,332,372		A	5.9



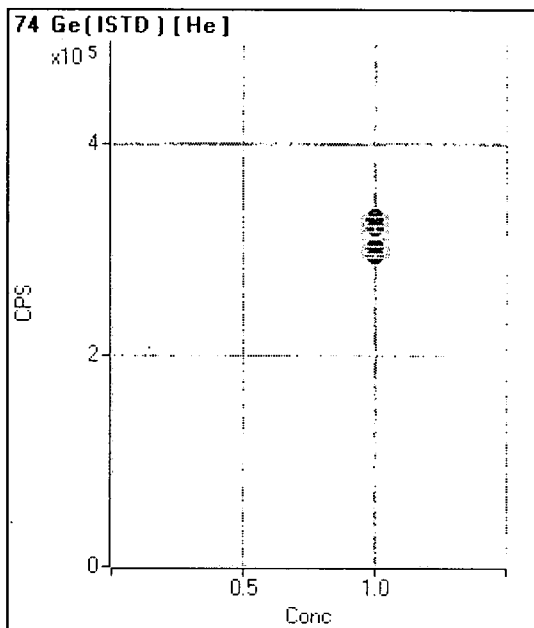
	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		612,710		P	0.3
2	<input type="checkbox"/>	1.000		595,211		P	0.9
3	<input type="checkbox"/>	1.000		602,206		P	2.9
4	<input type="checkbox"/>	1.000		594,059		P	1.8
5	<input type="checkbox"/>	1.000		614,381		P	3.3
6	<input type="checkbox"/>	1.000		605,885		P	1.6
7	<input type="checkbox"/>	1.000		594,662		P	1.6
8	<input type="checkbox"/>	1.000		558,002		P	5.2
9	<input type="checkbox"/>	1.000		553,659		P	1.6
10	<input type="checkbox"/>	1.000		557,970		P	1.6



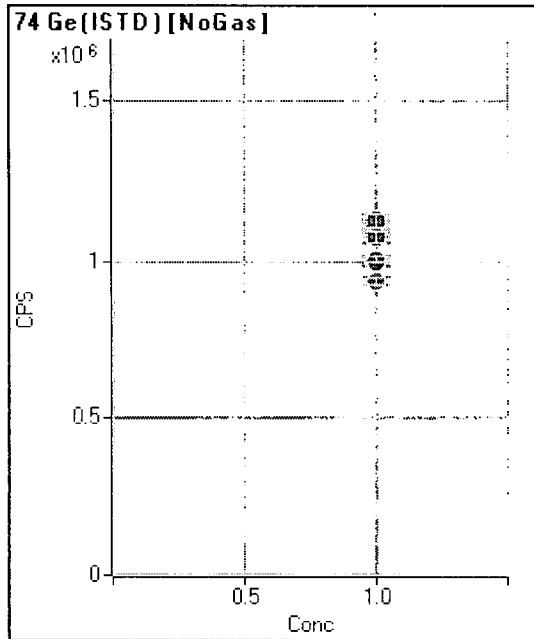
	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		4,468,446		A	3.3
2	<input type="checkbox"/>	1.000		4,532,180		A	3.1
3	<input type="checkbox"/>	1.000		4,474,518		A	2.0
4	<input type="checkbox"/>	1.000		4,347,690		A	1.6
5	<input type="checkbox"/>	1.000		4,456,699		A	2.1
6	<input type="checkbox"/>	1.000		4,543,061		A	3.3
7	<input type="checkbox"/>	1.000		4,370,556		A	4.7
8	<input type="checkbox"/>	1.000		4,124,649		A	5.1
9	<input type="checkbox"/>	1.000		4,157,836		A	0.9
10	<input type="checkbox"/>	1.000		3,995,406		A	3.2



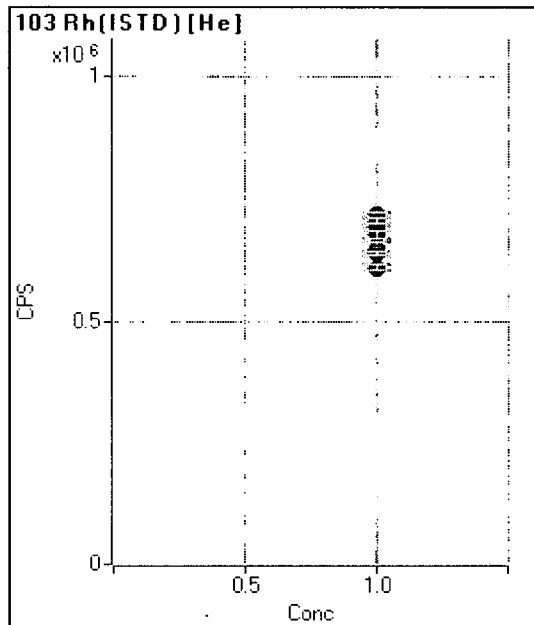
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,120,884		A	7.7
2	<input type="checkbox"/>	1.000		1,146,812		A	6.3
3	<input type="checkbox"/>	1.000		1,124,685		A	1.3
4	<input type="checkbox"/>	1.000		1,061,546		M	4.5
5	<input type="checkbox"/>	1.000		1,102,600		A	2.1
6	<input type="checkbox"/>	1.000		1,092,383		A	3.0
7	<input type="checkbox"/>	1.000		1,042,883		M	8.4
8	<input type="checkbox"/>	1.000		1,082,022		A	6.4
9	<input type="checkbox"/>	1.000		1,044,790		M	12.1
10	<input type="checkbox"/>	1.000		958,087		P	3.7



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		330,364		P	0.4
2	<input type="checkbox"/>	1.000		320,580		P	0.7
3	<input type="checkbox"/>	1.000		325,824		P	1.7
4	<input type="checkbox"/>	1.000		322,225		P	2.1
5	<input type="checkbox"/>	1.000		328,377		P	2.4
6	<input type="checkbox"/>	1.000		327,848		P	1.7
7	<input type="checkbox"/>	1.000		320,175		P	1.5
8	<input type="checkbox"/>	1.000		302,972		P	5.0
9	<input type="checkbox"/>	1.000		300,848		P	1.3
10	<input type="checkbox"/>	1.000		294,333		P	1.5

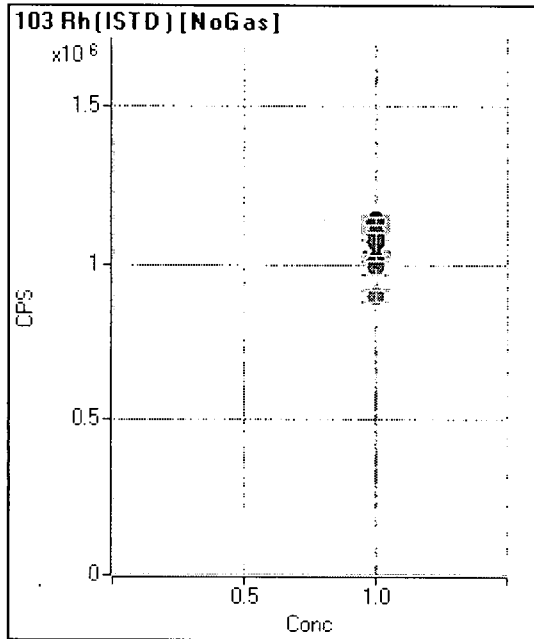


	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,108,567		A	4.0
2	<input type="checkbox"/>	1.000		1,114,249		A	2.6
3	<input type="checkbox"/>	1.000		1,110,613		A	1.3
4	<input type="checkbox"/>	1.000		1,087,223		A	2.2
5	<input type="checkbox"/>	1.000		1,119,893		A	0.7
6	<input type="checkbox"/>	1.000		1,126,802		A	3.9
7	<input type="checkbox"/>	1.000		1,073,483		A	3.4
8	<input type="checkbox"/>	1.000		996,586		M	2.8
9	<input type="checkbox"/>	1.000		1,004,014		A	1.7
10	<input type="checkbox"/>	1.000		936,869		M	2.5

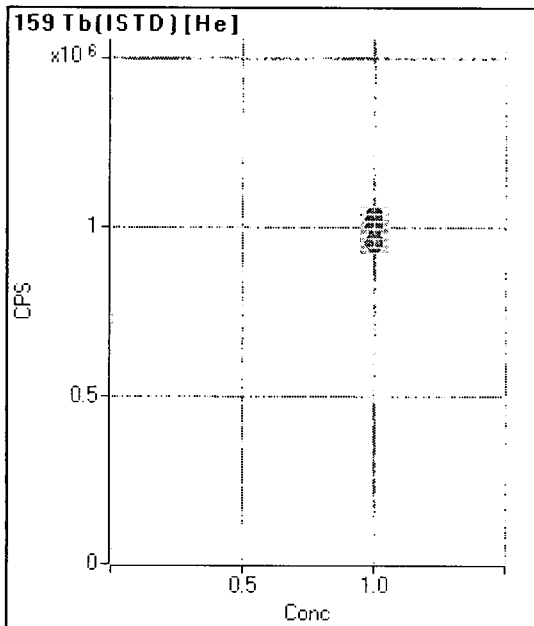


	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		717,765		P	1.2
2	<input type="checkbox"/>	1.000		696,309		P	1.1
3	<input type="checkbox"/>	1.000		703,881		P	2.7
4	<input type="checkbox"/>	1.000		691,576		P	2.0
5	<input type="checkbox"/>	1.000		711,801		P	2.9
6	<input type="checkbox"/>	1.000		705,384		P	1.5
7	<input type="checkbox"/>	1.000		677,114		P	2.1
8	<input type="checkbox"/>	1.000		647,015		P	4.3
9	<input type="checkbox"/>	1.000		639,513		P	1.4
10	<input type="checkbox"/>	1.000		609,864		P	1.5

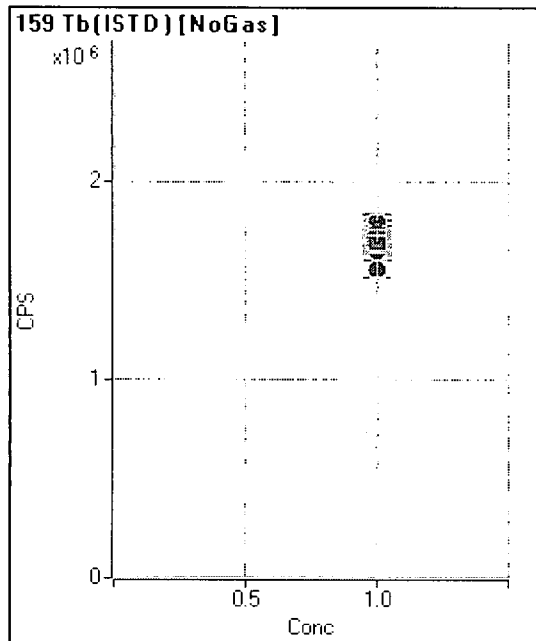
Calibration for 018_ICV.d



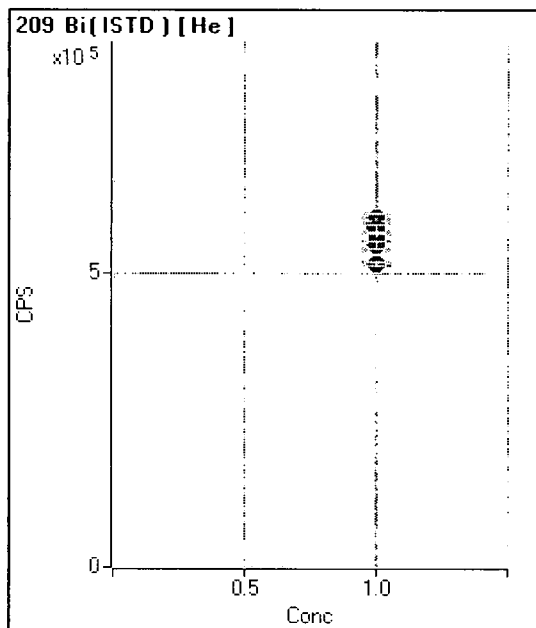
	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,140,609		A	2.6
2	<input type="checkbox"/>	1.000		1,136,514		A	1.5
3	<input type="checkbox"/>	1.000		1,117,329		A	1.5
4	<input type="checkbox"/>	1.000		1,095,435		A	3.6
5	<input type="checkbox"/>	1.000		1,129,190		A	1.4
6	<input type="checkbox"/>	1.000		1,136,493		A	2.0
7	<input type="checkbox"/>	1.000		1,068,127		A	5.5
8	<input type="checkbox"/>	1.000		993,447		M	5.3
9	<input type="checkbox"/>	1.000		1,018,003		A	1.8
10	<input type="checkbox"/>	1.000		899,579		M	3.9



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,026,649		A	2.1
2	<input type="checkbox"/>	1.000		1,001,312		M	2.2
3	<input type="checkbox"/>	1.000		1,035,479		M	4.7
4	<input type="checkbox"/>	1.000		997,442		M	2.8
5	<input type="checkbox"/>	1.000		1,021,393		M	3.0
6	<input type="checkbox"/>	1.000		999,880		A	2.6
7	<input type="checkbox"/>	1.000		1,005,167		M	2.0
8	<input type="checkbox"/>	1.000		958,984		M	6.8
9	<input type="checkbox"/>	1.000		952,674		M	2.2
10	<input type="checkbox"/>	1.000		951,260		M	3.2

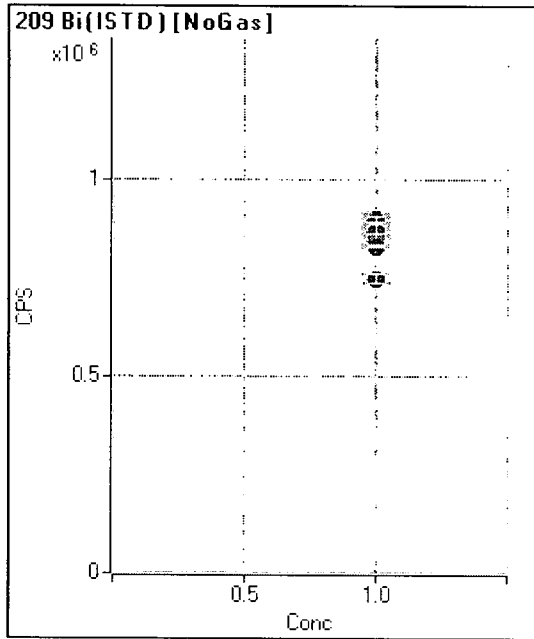


	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,778,363		A	3.6
2	<input type="checkbox"/>	1.000		1,798,411		A	4.5
3	<input type="checkbox"/>	1.000		1,762,389		A	1.8
4	<input type="checkbox"/>	1.000		1,704,152		A	2.9
5	<input type="checkbox"/>	1.000		1,760,912		A	2.7
6	<input type="checkbox"/>	1.000		1,740,190		A	2.9
7	<input type="checkbox"/>	1.000		1,724,890		A	4.0
8	<input type="checkbox"/>	1.000		1,686,858		A	5.9
9	<input type="checkbox"/>	1.000		1,655,056		A	0.8
10	<input type="checkbox"/>	1.000		1,567,240		A	5.1



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		593,064		P	0.6
2	<input type="checkbox"/>	1.000		568,327		P	0.5
3	<input type="checkbox"/>	1.000		578,879		P	2.4
4	<input type="checkbox"/>	1.000		574,106		P	2.0
5	<input type="checkbox"/>	1.000		592,750		P	2.5
6	<input type="checkbox"/>	1.000		583,619		P	1.0
7	<input type="checkbox"/>	1.000		575,939		P	2.0
8	<input type="checkbox"/>	1.000		551,836		P	4.8
9	<input type="checkbox"/>	1.000		545,913		P	2.2
10	<input type="checkbox"/>	1.000		514,866		P	1.3

Calibration for 018_ICV.d



	R/c	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	□	1.000		902,652		M	3.2
2	□	1.000		900,133		P	3.1
3	□	1.000		893,341		M	2.5
4	□	1.000		866,858		P	1.6
5	□	1.000		894,927		M	2.4
6	□	1.000		901,744		P	2.0
7	□	1.000		871,129		P	3.9
8	□	1.000		847,919		M	4.0
9	□	1.000		834,502		P	0.6
10	□	1.000		751,440		P	3.1

P/A Factor Tuning Report

=====
 Current Sample
 Sample Name: 0E08027-ICV1
 Data File: 018_ICV.d
 Acquired: 5/8/2020 10:45:38

=====
 Detector Parameters and P/A Factors
 Discriminator: 4.5 mV
 AnalogHV: 1716 V
 PulseHV: 1017 V

Acquired: 5/8/2020 08:45:27

Mass[u]	Element	P/A Factor
23	Na	0.102652
24	Mg	0.104158
27	Al	0.105394
39	K	0.106853
56	Fe	0.106370
6	Li	Signal too low
44	Ca	Signal too low
45	Sc	Signal too low
47	Ti	Signal too low
51	V	Signal too low
52	Cr	Signal too low
55	Mn	Signal too low
57	Fe	Signal too low
59	Co	Signal too low
60	Ni	Signal too low
65	Cu	Signal too low
66	Zn	Signal too low
74	Ge	Signal too low
95	Mo	Signal too low
103	Rh	Signal too low
107	Ag	Signal too low
111	Cd	Signal too low
121	Sb	Signal too low
138	Ba	Signal too low
159	Tb	Signal too low
205	Tl	Signal too low
206	[Pb]	Signal too low
207	[Pb]	Signal too low
208	Pb	Signal too low
209	Bi	Signal too low

=== Independent Detector Parameters and P/A Factors ===

Tune Mode Name: H2
 Discriminator: 4.5 mV
 AnalogHV: 1716 V
 PulseHV: 1017 V

Acquired: 5/8/2020 10:24:57

Mass[u]	Element	P/A Factor
44	Ca	0.106734
45	Sc	0.106861
56	Fe	0.108350
57	Fe	0.108566
74	Ge	0.108966
78	Se	Signal too low

 Tune Mode Name: He
 Discriminator: 4.5 mV
 AnalogHV: 1716 V
 PulseHV: 1017 V

Acquired: 5/8/2020 10:41:03

Mass[u]	Element	P/A Factor	PAFactor.txt
23	Na	0.102355	
24	Mg	0.101258	
27	Al	0.103059	
39	K	0.104195	
44	Ca	0.105509	
45	Sc	0.106706	
51	V	0.105304	
52	Cr	0.104970	
55	Mn	0.105864	
59	Co	0.104577	
60	Ni	0.103508	
65	Cu	0.102517	
66	Zn	0.102119	
103	Rh	0.106518	
107	Ag	0.103010	
138	Ba	0.101990	
159	Tb	0.104437	
205	Tl	0.097463	
209	Bi	0.099833	
74	Ge	Signal too low	
75	As	Signal too low	
95	Mo	Signal too low	
111	Cd	Signal too low	
121	Sb	Signal too low	

Tune Mode Name: NoGas
Discriminator: 4.5 mV
AnalogHV: 1716 V
PulseHV: 1017 V

Acquired: 5/8/2020 10:37:15

Mass[u]	Element	P/A Factor
6	Li	0.085016
45	Sc	0.103893
47	Ti	0.104466
65	Cu	0.103563
74	Ge	0.105712
103	Rh	0.104913
111	Cd	0.102003
159	Tb	0.102868
182	W	0.102670
206	Pb	0.097730
207	Pb	0.097486
208	Pb	0.096478
209	Bi	0.099060
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

Created: 5/11/2020 10:13:09

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-ICV1	Total Dilution:	1.0000
File Name:	018_ICV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	ICV
Acq Time:	5/8/2020 10:45:38	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.045	ppb	3.2	135,366	40	97.61	
Na	23	45	He	3986.792	ppb	4.0	7,139,816	4000	99.67	
Mg	24	45	He	4239.855	ppb	2.9	4,123,632	4000	106	
Al	27	45	He	4027.933	ppb	4.3	2,131,997	4000	100.7	
K	39	45	He	4048.749	ppb	3.8	3,326,231	4000	101.22	
Ca	44	45	H2	4278.609	ppb	8.4	1,213,187	4000	106.97	
[Ca]	44	45	He	4118.572	ppb	3.1	166,617	4000	102.96	
Ti	47	45	NoGas	99.480	ppb	2.6	136,885	100	99.48	
V	51	74	He	96.421	ppb	2.7	514,772	100	96.42	
Cr	52	74	He	100.355	ppb	2.6	587,280	100	100.35	
Mn	55	74	He	103.333	ppb	2.4	430,076	100	103.33	
Fe	56	74	H2	4137.557	ppb	9.4	63,685,071	4000	103.44	
Co	59	74	He	100.806	ppb	2.8	779,033	100	100.81	
Ni	60	74	He	105.123	ppb	2.2	192,947	100	105.12	
Cu	65	74	He	108.574	ppb	3.0	232,412	100	108.57	
Zn	66	74	He	101.259	ppb	3.8	85,459	100	101.26	
As	75	74	He	96.067	ppb	2.1	56,654	100	96.07	
Se	78	74	H2	40.912	ppb	9.2	13,890	40	102.28	
Mo	95	103	He	38.335	ppb	3.0	92,945	40	95.84	
Ag	107	103	He	38.744	ppb	2.6	255,747	40	96.86	
Cd	111	103	He	96.010	ppb	2.6	98,188	100	96.01	
[Cd]	111	103	NoGas	99.698	ppb	2.0	201,100	100	99.7	
Sb	121	103	He	37.527	ppb	3.2	117,667	40	93.82	
Ba	138	159	He	105.305	ppb	3.8	685,630	100	105.3	
Hg	201	159	NoGas	853.208	ppt	3.1	792	800	106.65	
Tl	205	159	He	38.128	ppb	3.8	434,222	40	95.32	
Pb	208	159	NoGas	103.244	ppb	2.6	2,073,506	100	103.24	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	1.5	1,197,184	1229359.47666667	97.4	
Sc	45	H2	Analog	7.9	3,373,307	3591937.89666667	93.9	
Sc	45	He	Pulse	3.4	582,580	612710.146666667	95.1	
Sc	45	NoGas	Analog	2.7	4,240,377	4468445.58666667	94.9	
Ge	74	H2	Mix	8.7	1,036,700	1120884.48333333	92.5	
Ge	74	He	Pulse	2.3	316,627	330363.863333333	95.8	
Ge	74	NoGas	Analog	2.2	1,057,982	1108567.33333333	95.4	
Rh	103	He	Pulse	2.3	679,605	717764.703333333	94.7	
Rh	103	NoGas	Analog	1.9	1,059,304	1140608.58666667	92.9	
Tb	159	He	Mix	3.5	1,009,586	1026648.59333333	98.3	
Tb	159	NoGas	Analog	2.5	1,688,514	1778362.84	94.9	
Bi	209	He	Pulse	2.9	580,911	593063.546666667	98.0	
Bi	209	NoGas	Pulse	2.7	852,641	902652.31	94.5	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-ICB1	Total Dilution: 1.0000
File Name: 019_ICB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type: ICB
Acq Time: 5/8/2020 10:51:27	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.021	ppb	21.9	113	
Na	23	45	He	3.705	ppb	14.1	26,593	
Mg	24	45	He	2.049	µpb	10.4	4,872	
Al	27	45	He	1.602	ppb	11.4	1,523	
K	39	45	He	4.461	ppb	74.6	82,759	
Ca	44	45	H2	2.300	ppb	19.0	3,178	
[Ca]	44	45	He	4.296	ppb	15.9	953	
Ti	47	45	NoGas	0.178	ppb	41.5	521	
V	51	74	He	0.005	ppb	423.8	1,900	
Cr	52	74	He	0.041	ppb	26.5	936	
Mn	55	74	He	0.103	ppb	16.3	746	
Fe	56	74	H2	0.973	ppb	50.0	77,544	
Co	59	74	He	0.031	ppb	16.4	448	
Ni	60	74	He	0.036	ppb	88.7	364	
Cu	65	74	He	0.104	ppb	18.3	349	
Zn	66	74	He	0.151	ppb	27.7	261	
As	75	74	He	0.033	ppb	30.2	64	
Se	78	74	H2	0.027	ppb	40.1	17	
Mo	95	103	He	0.032	ppb	3.7	110	
Ag	107	103	He	0.008	ppb	10.8	59	
Cd	111	103	He	0.035	ppb	44.5	38	
[Cd]	111	103	NoGas	0.027	ppb	40.0	65	
Sb	121	103	He	0.229	ppb	8.6	762	
Ba	138	159	He	0.107	ppb	20.8	957	
Hg	201	159	NoGas	9.808	ppt	54.7	19	
Tl	205	159	He	0.015	ppb	11.2	202	
Pb	208	159	NoGas	0.034	ppb	13.7	970	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	2.1	1,225,546	1229359.47666667	99.7	
Sc	45	H2	Analog	9.2	3,464,134	3591937.89666667	96.4	
Sc	45	He	Pulse	2.2	580,518	612710.14666667	94.7	
Sc	45	NoGas	Analog	3.0	4,434,139	4468445.58666667	99.2	
Ge	74	H2	Mix	10.0	1,053,486	1120884.48333333	94.0	
Ge	74	He	Pulse	1.6	313,960	330363.863333333	95.0	
Ge	74	NoGas	Analog	1.6	1,112,528	1108567.33333333	100.4	
Rh	103	He	Pulse	1.8	679,673	717764.703333333	94.7	
Rh	103	NoGas	Analog	2.1	1,132,079	1140608.58666667	99.3	
Tb	159	He	Analog	4.1	1,020,962	1026648.59333333	99.4	
Tb	159	NoGas	Analog	2.0	1,730,136	1778362.84	97.3	
Bi	209	He	Pulse	1.6	566,910	593063.54666667	95.6	
Bi	209	NoGas	Pulse	2.7	864,155	902652.31	95.7	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL1	Total Dilution:	1.0000
File Name:	020CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL1
Acq Time:	5/8/2020 10:56:34	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.191	ppb	6.9	718	106.11	
Na	23	45	He	9.102	ppb	4.7	36,643	101.13	
Mg	24	45	He	9.313	ppb	3.2	12,052	103.48	
Al	27	45	He	9.452	ppb	5.4	5,734	105.02	
K	39	45	He	7.581	µpb	12.0	86,287	84.23	
Ca	44	45	H2	53.231	ppb	5.3	18,457	98.58	
[Ca]	44	45	He	54.983	ppb	2.4	3,024	101.82	
Ti	47	45	NoGas	0.172	ppb	36.0	513	95.56	
V	51	74	He	0.163	ppb	4.3	2,769	90.56	
Cr	52	74	He	0.197	ppb	7.0	1,863	109.44	
Mn	55	74	He	0.180	ppb	11.6	1,077	100	
Fe	56	74	H2	7.237	ppb	1.2	185,354	80.41	
Co	59	74	He	0.181	ppb	5.3	1,620	100.56	
Ni	60	74	He	0.098	ppb	54.8	483	54.44	R-11
Cu	65	74	He	0.201	ppb	6.1	563	111.67	
Zn	66	74	He	0.147	ppb	28.5	261	81.67	
As	75	74	He	0.182	ppb	11.6	152	101.11	
Se	78	74	H2	0.183	ppb	12.6	74	101.67	
Mo	95	103	He	0.173	ppb	19.4	453	96.11	
Ag	107	103	He	0.181	ppb	10.3	1,211	100.56	
Cd	111	103	He	0.191	ppb	11.5	199	106.11	
[Cd]	111	103	NoGas	0.180	µpb	7.7	398	100	
Sb	121	103	He	0.219	ppb	6.1	737	121.67	
Ba	138	159	He	0.191	ppb	5.7	1,545	106.11	
Hg	201	159	NoGas	13.762	ppt	28.8	23	191.14	R-11
Tl	205	159	He	0.184	ppb	5.8	2,192	102.22	
Pb	208	159	NoGas	0.202	ppb	8.5	4,427	112.22	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.1	1,227,908	1229359.47666667	99.9	
Sc	45	H2	Analog	3.2	3,545,104	3591937.89666667	98.7	
Sc	45	He	Pulse	0.7	587,304	612710.146666667	95.9	
Sc	45	NoGas	Analog	3.9	4,442,363	4468445.58666667	99.4	
Ge	74	H2	Analog	1.6	1,106,723	1120884.483333333	98.7	
Ge	74	He	Pulse	1.4	317,923	330363.863333333	96.2	
Ge	74	NoGas	Analog	2.6	1,127,711	1108567.333333333	101.7	
Rh	103	He	Pulse	0.8	684,612	717764.703333333	95.4	
Rh	103	NoGas	Analog	4.7	1,136,916	1140608.58666667	99.7	
Tb	159	He	Analog	1.6	1,043,534	1026648.593333333	101.6	
Tb	159	NoGas	Analog	3.7	1,729,206	1778362.84	97.2	
Bi	209	He	Pulse	1.2	570,326	593063.546666667	96.2	
Bi	209	NoGas	Mix	4.9	883,635	902652.31	97.9	

CRL Verification Report - ICPMS5

Sample Name: 0E08027-CRL2	Total Dilution: 1.0000
File Name: 021_CRL.d	Vial: 1103
File Path: C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type: CRL2
Acq Time: 5/8/2020 11:01:38	I.S. Reference File: 008CALB.d
Comment: A20D396 KT 5/8	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.875	ppb	5.1	3,131	97.22	
Na	23	45	He	44.524	ppb	1.9	101,667	98.94	
Mg	24	45	He	45.717	ppb	3.7	48,304	101.59	
Al	27	45	He	46.014	ppb	2.9	25,553	102.25	
K	39	45	He	44.182	ppb	7.1	117,280	98.18	
Ca	44	45	H2	275.994	ppb	3.5	84,704	102.22	
[Ca]	44	45	He	278.559	ppb	2.4	12,249	103.17	
Ti	47	45	NoGas	0.785	ppb	7.1	1,384	87.22	
V	51	74	He	0.881	ppb	3.9	6,669	97.89	
Cr	52	74	He	0.965	ppb	2.1	6,441	107.22	
Mn	55	74	He	0.922	ppb	0.3	4,222	102.44	
Fe	56	74	H2	42.275	ppb	6.1	750,533	93.94	
Co	59	74	He	0.880	ppb	3.2	7,119	97.78	
Ni	60	74	He	0.887	ppb	6.2	1,957	98.56	
Cu	65	74	He	1.043	ppb	2.3	2,396	115.89	
Zn	66	74	He	0.825	ppb	10.2	843	91.67	
As	75	74	He	0.861	ppb	4.3	560	95.67	
Se	78	74	H2	0.924	ppb	10.5	337	102.67	
Mo	95	103	He	0.934	ppb	2.9	2,320	103.78	
Ag	107	103	He	0.893	ppb	3.6	5,962	99.22	
Cd	111	103	He	0.889	ppb	1.7	921	98.78	
[Cd]	111	103	NoGas	0.906	ppb	3.3	1,922	100.67	
Sb	121	103	He	0.894	ppb	3.3	2,877	99.33	
Ba	138	159	He	0.960	ppb	7.2	6,514	106.67	
Hg	201	159	NoGas	42.063	ppt	12.0	50	116.84	
Tl	205	159	He	0.859	ppb	3.2	9,844	95.44	
Pb	208	159	NoGas	0.935	ppb	3.4	19,506	103.89	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.9	1,222,074	1229359.47666667	99.4	
Sc	45	H2	Analog	4.2	3,535,646	3591937.89666667	98.4	
Sc	45	He	Pulse	1.3	594,374	612710.146666667	97.0	
Sc	45	NoGas	Analog	1.7	4,399,642	4468445.58666667	98.5	
Ge	74	H2	Mix	5.9	1,090,224	1120884.483333333	97.3	
Ge	74	He	Pulse	1.4	321,238	330363.863333333	97.2	
Ge	74	NoGas	Analog	0.4	1,101,441	1108567.333333333	99.4	
Rh	103	He	Pulse	1.7	686,797	717764.703333333	95.7	
Rh	103	NoGas	Analog	2.5	1,110,097	1140608.58666667	97.3	
Tb	159	He	Mix	3.5	1,012,706	1026648.593333333	98.6	
Tb	159	NoGas	Analog	2.2	1,730,026	1778362.84	97.3	
Bi	209	He	Pulse	1.4	571,201	593063.546666667	96.3	
Bi	209	NoGas	Mix	3.4	867,375	902652.31	96.1	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL3	Total Dilution:	1.0000
File Name:	022CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL3
Acq Time:	5/8/2020 11:06:43	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.699	ppb	2.0	6,071	94.39	
Na	23	45	He	89.964	ppb	2.5	183,788	99.96	
Mg	24	45	He	91.727	ppb	0.9	93,598	101.92	
Al	27	45	He	91.343	ppb	1.2	49,853	101.49	
K	39	45	He	91.515	ppb	3.6	155,428	101.68	
Ca	44	45	H2	550.951	ppb	1.7	163,598	102.03	
[Ca]	44	45	He	553.191	ppb	1.7	23,446	102.44	
Ti	47	45	NoGas	1.758	ppb	7.9	2,777	97.67	
V	51	74	He	1.750	ppb	1.3	11,218	97.22	
Cr	52	74	He	1.804	ppb	4.4	11,270	100.22	
Mn	55	74	He	1.818	ppb	2.5	7,904	101	
Fe	56	74	H2	87.468	ppb	2.0	1,484,758	97.19	
Co	59	74	He	1.773	ppb	0.8	13,945	98.5	
Ni	60	74	He	1.773	ppb	1.2	3,558	98.5	
Cu	65	74	He	2.033	ppb	2.2	4,488	112.94	
Zn	66	74	He	1.753	ppb	8.1	1,617	97.39	
As	75	74	He	1.727	ppb	4.9	1,064	95.94	
Se	78	74	H2	1.778	ppb	1.6	644	98.78	
Mo	95	103	He	1.763	ppb	2.3	4,306	97.94	
Ag	107	103	He	1.782	ppb	3.0	11,773	99	
Cd	111	103	He	1.781	ppb	2.0	1,824	98.94	
[Cd]	111	103	NoGas	1.758	ppb	2.7	3,632	97.67	
Sb	121	103	He	1.675	ppb	5.2	5,294	93.06	
Ba	138	159	He	1.838	ppb	1.4	12,254	102.11	
Hg	201	159	NoGas	80.595	ppt	12.3	86	111.94	
Tl	205	159	He	1.658	ppb	5.2	18,952	92.11	
Pb	208	159	NoGas	1.818	ppb	3.2	37,533	101	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	0.7	1,225,704	1229359.47666667	99.7	
Sc	45	H2	Analog	2.2	3,470,845	3591937.89666667	96.6	
Sc	45	He	Pulse	1.4	592,064	612710.146666667	96.6	
Sc	45	NoGas	Analog	3.8	4,415,651	4468445.58666667	98.8	
Ge	74	H2	Analog	2.1	1,088,938	1120884.483333333	97.1	
Ge	74	He	Pulse	0.5	317,196	330363.863333333	96.0	
Ge	74	NoGas	Analog	3.8	1,084,190	1108567.333333333	97.8	
Rh	103	He	Pulse	0.8	679,708	717764.703333333	94.7	
Rh	103	NoGas	Analog	5.6	1,083,420	1140608.58666667	95.0	
Tb	159	He	Mix	4.3	1,012,546	1026648.593333333	98.6	
Tb	159	NoGas	Analog	3.5	1,723,694	1778362.84	96.9	
Bi	209	He	Pulse	1.3	568,470	593063.546666667	95.9	
Bi	209	NoGas	Mix	4.8	866,148	902652.31	96.0	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL4	Total Dilution:	1.0000
File Name:	023CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL4
Acq Time:	5/8/2020 11:11:48	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.450	ppb	5.0	12,222	95.83	
Na	23	45	He	182.078	ppb	3.9	353,436	101.15	
Mg	24	45	He	184.905	ppb	4.4	186,881	102.72	
Al	27	45	He	185.778	ppb	4.2	101,332	103.21	
K	39	45	He	186.652	ppb	4.7	234,591	103.7	
Ca	44	45	H2	1118.423	ppb	6.6	333,607	103.56	
[Ca]	44	45	He	1091.232	ppb	3.7	45,780	101.04	
Ti	47	45	NoGas	3.602	ppb	4.7	5,374	100.06	
V	51	74	He	3.552	ppb	2.4	21,125	98.67	
Cr	52	74	He	3.615	ppb	2.2	22,194	100.42	
Mn	55	74	He	3.608	ppb	3.7	15,580	100.22	
Fe	56	74	H2	179.030	ppb	11.4	3,006,420	99.46	
Co	59	74	He	3.605	ppb	2.4	28,529	100.14	
Ni	60	74	He	3.735	ppb	3.4	7,264	103.75	
Cu	65	74	He	3.948	ppb	3.9	8,717	109.67	
Zn	66	74	He	3.609	ppb	5.0	3,230	100.25	
As	75	74	He	3.512	ppb	3.0	2,149	97.56	
Se	78	74	H2	3.561	ppb	9.7	1,299	98.92	
Mo	95	103	He	3.530	ppb	1.7	8,670	98.06	
Ag	107	103	He	3.459	ppb	3.4	23,053	96.08	
Cd	111	103	He	3.523	ppb	2.7	3,639	97.86	
[Cd]	111	103	NoGas	3.588	ppb	5.1	7,442	99.67	
Sb	121	103	He	3.456	ppb	3.3	10,980	96	
Ba	138	159	He	3.723	ppb	4.2	24,756	103.42	
Hg	201	159	NoGas	136.426	ppb	9.8	136	94.74	
Tl	205	159	He	3.324	ppb	5.4	38,299	92.33	
Pb	208	159	NoGas	3.671	ppb	2.9	74,834	101.97	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.7	1,220,778	1229359.47666667	99.3	
Sc	45	H2	Analog	5.3	3,521,079	3591937.89666667	98.0	
Sc	45	He	Pulse	3.2	596,373	612710.146666667	97.3	
Sc	45	NoGas	Analog	1.7	4,378,746	4468445.58666667	98.0	
Ge	74	H2	Mix	8.7	1,108,625	1120884.48333333	98.9	
Ge	74	He	Pulse	1.6	321,803	330363.863333333	97.4	
Ge	74	NoGas	Analog	2.0	1,088,582	1108567.33333333	98.2	
Rh	103	He	Pulse	2.6	686,063	717764.703333333	95.6	
Rh	103	NoGas	Analog	4.0	1,089,169	1140608.58666667	95.5	
Tb	159	He	Analog	3.4	1,021,094	1026648.59333333	99.5	
Tb	159	NoGas	Analog	2.1	1,707,933	1778362.84	96.0	
Bi	209	He	Pulse	2.7	577,128	593063.546666667	97.3	
Bi	209	NoGas	Mix	2.9	862,798	902652.31	95.6	

Quantitation Report ICPMS5

File Name 0241CSA.d
 File Path C:\Agilent\ICPMH\1\DATA\0E08027.b
 Acq Time 5/8/2020 11:16:54 Sample Type
 Sample Name **0E08027-IFA1** ICSA
 Comment **A20E014** Last Calib 05/08/2020 15:18:25
 Prep Dilution 1.0000 Vial: 1111
 Total Dilution **1.0000** Operator Name ICPMS Analyst

FullQuant Table

Element	Mass	ISTD	Tune Mode	Raw Conc	Corrected Conc.	Units	RSD(%)	ExpectedValue	QC Flag
Be	9	6	NoGas	0.008	0.008	ppb	8.9		
Na	23	45	He	265654.282	265654.282	ppb	1.4		
Mg	24	45	He	106640.79	106640.790	ppb	1.3	100000	
Al	27	45	He	107457.214	107457.214	ppb	2.4	100000	
K	39	45	He	105090.009	105090.009	ppb	1.6	100000	
Ca	44	45	H2	316248.274	316248.274	ppb	9.6		
[Ca]	44	45	He	317513.186	317513.186	ppb	2.3		
Ti	47	45	NoGas	2142.233	2142.233	ppb	1.3		
V	51	74	He	0.307	0.307	ppb	6.0	2	
Cr	52	74	He	1.372	1.372	ppb	3.8	2	
Mn	55	74	He	3.321	3.321	ppb	1.3	2	> CRI
Fe	56	74	H2	268089.955	268089.955	ppb	7.4		
Co	59	74	He	0.734	0.734	ppb	1.1		
Ni	60	74	He	0.559	0.559	ppb	12.5	2	
Cu	65	74	He	0.686	0.686	ppb	4.6	2	
Zn	66	74	He	1.214	1.214	ppb	6.3	4	
As	75	74	He	0.207	0.207	ppb	19.2	0.9	
Se	78	74	H2	0.08	0.080	ppb	28.4	0.9	
Mo	95	103	He	2185.518	2185.518	ppb	1.0	2000	
Ag	107	103	He	0.027	0.027	ppb	14.2		
Cd	111	103	He	7.066	7.066	ppb	1.8		
[Cd]	111	103	NoGas	0.4	0.400	ppb	17.7		
Sb	121	103	He	0.139	0.139	ppb	15.2	0.9	
Ba	138	159	He	0.519	0.519	ppb	3.1	2	> CRI
W	182	159	NoGas	100.319	100.319	ppb	2.4		
Hg	201	159	NoGas	83.243	83.243	ppt	1.4		
Tl	205	159	He	0.003	0.003	ppb	75.1	0.9	
Pb	208	159	NoGas	0.207	0.207	ppb	7.2		

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Li	6	NoGas	1,012,021	1.1	1229359.47666667	Analog	82.3	
Sc	45	H2	2,922,326	8.8	3591937.89666667	Analog	81.4	
Sc	45	He	492,464	1.3	612710.146666667	Pulse	80.4	
Sc	45	NoGas	3,436,974	3.1	4468445.58666667	Analog	76.9	
Ge	74	H2	807,580	6.4	1120884.48333333	Pulse	72.0	
Ge	74	He	253,224	1.1	330363.863333333	Pulse	76.7	
Ge	74	NoGas	796,401	1.8	1108567.33333333	Pulse	71.8	
Rh	103	He	501,852	0.9	717764.703333333	Pulse	69.9	IS Q-06
Rh	103	NoGas	747,457	1.8	1140608.58666667	Pulse	65.5	IS Q-06
Tb	159	He	816,504	1.5	1026648.59333333	Pulse	79.5	
Tb	159	NoGas	1,378,936	2.8	1778362.84	Analog	77.5	
Bi	209	He	427,637	1.6	593063.546666667	Pulse	72.1	
Bi	209	NoGas	635,569	2.1	902652.31	Pulse	70.4	

Quantitation Report ICPMSS

File Name 025ICSB.d
 File Path C:\Agilent\ICPMH\1\DATA\0E08027.b
 Acq Time 5/8/2020 11:21:57 Sample Type
 Sample Name **0E08027-IFB1**
 Comment **A20E015** ICSB
 Last Calib 05/08/2020 15:18:25
 Prep Dilution 1.0000 Vial: 1112
 Total Dilution **1.0000** Operator Name ICPMS Analyst

FullQuant Table

Element	Mass	ISTD	Tune Mode	Raw Conc	Corrected Conc.	Units	RSD(%)	ExpectedValue	QC Flag
Be	9	6	NoGas	0.011	0.011	ppb	90.2		
Na	23	45	He	258415.265	258415.265	ppb	2.4		
Mg	24	45	He	103581.474	103581.474	ppb	2.0	100000	
Al	27	45	He	104781.396	104781.396	ppb	1.7	100000	
K	39	45	He	101499.715	101499.715	ppb	0.9	100000	
Ca	44	45	H2	296997.018	296997.018	ppb	5.2		
[Ca]	44	45	He	308842.107	308842.107	ppb	1.5		
Ti	47	45	NoGas	2115.65	2115.650	ppb	2.4		
V	51	74	He	208.929	208.929	ppb	1.0	200	
Cr	52	74	He	205.936	205.936	ppb	0.9	200	
Mn	55	74	He	216.571	216.571	ppb	1.2	200	
Fe	56	74	H2	259621.313	259621.313	ppb	4.9		
Co	59	74	He	203.867	203.867	ppb	3.8		
Ni	60	74	He	197.794	197.794	ppb	1.0	200	
Cu	65	74	He	201.958	201.958	ppb	1.0	200	
Zn	66	74	He	97.171	97.171	ppb	2.4	100	
As	75	74	He	100.607	100.607	ppb	1.2	100	
Se	78	74	H2	106.699	106.699	ppb	2.6	100	
Mo	95	103	He	2116.099	2116.099	ppb	1.0	2000	
Ag	107	103	He	48.144	48.144	ppb	1.2	50	
Cd	111	103	He	106.466	106.466	ppb	2.1		
[Cd]	111	103	NoGas	107.062	107.062	ppb	3.1		
Sb	121	103	He	0.146	0.146	ppb	11.4	0.9	
Ba	138	159	He	1.304	1.304	ppb	1.1	2	> +/- 10%
W	182	159	NoGas	102.738	102.738	ppb	2.6		
Hg	201	159	NoGas	2117.033	2117.033	ppt	2.7		
Tl	205	159	He	0.003	0.003	ppb	12.3	0.9	
Pb	208	159	NoGas	0.208	0.208	ppb	1.8		

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Li	6	NoGas	1,019,732	3.5	1229359.47666667	Analog	82.9	
Sc	45	H2	2,914,870	5.1	3591937.89666667	Analog	81.2	
Sc	45	He	484,433	1.4	612710.146666667	Pulse	79.1	
Sc	45	NoGas	3,392,423	1.5	4468445.58666667	Analog	75.9	
Ge	74	H2	795,991	4.3	1120884.483333333	Pulse	71.0	
Ge	74	He	251,827	1.0	330363.863333333	Pulse	76.2	
Ge	74	NoGas	789,637	1.0	1108567.333333333	Pulse	71.2	
Rh	103	He	509,032	0.9	717764.703333333	Pulse	70.9	
Rh	103	NoGas	747,309	2.4	1140608.58666667	Pulse	65.5	IS Q-06
Tb	159	He	837,485	1.2	1026648.593333333	Pulse	81.6	
Tb	159	NoGas	1,373,279	2.0	1778362.84	Analog	77.2	
Bi	209	He	436,138	1.0	593063.546666667	Pulse	73.5	
Bi	209	NoGas	640,922	1.9	902652.31	Pulse	71.0	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV1	Total Dilution:	1.0000
File Name:	036_CCv.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 12:19:09	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.529	ppb	2.4	133,902	40	96.32	
Na	23	45	He	4088.152	ppb	2.3	7,260,142	4000	102.2	
Mg	24	45	He	4335.948	ppb	2.4	4,180,913	4000	108.4	
Al	27	45	He	4142.119	ppb	2.7	2,174,226	4000	103.55	
K	39	45	He	4236.744	ppb	2.4	3,447,923	4000	105.92	
Ca	44	45	H2	4072.768	ppb	5.8	1,199,097	4000	101.82	
[Ca]	44	45	He	4129.415	ppb	2.0	165,644	4000	103.24	
Ti	47	45	NoGas	98.814	ppb	2.2	137,458	100	98.81	
V	51	74	He	96.160	ppb	2.3	507,845	100	96.16	
Cr	52	74	He	99.671	ppb	2.6	576,953	100	99.67	
Mn	55	74	He	102.105	ppb	2.5	420,346	100	102.1	
Fe	56	74	H2	3915.640	ppb	6.1	63,826,030	4000	97.89	
Co	59	74	He	99.845	ppb	2.6	763,252	100	99.84	
Ni	60	74	He	103.652	ppb	2.2	188,181	100	103.65	
Cu	65	74	He	106.998	ppb	2.3	226,574	100	107	
Zn	66	74	He	99.569	ppb	2.2	83,142	100	99.57	
As	75	74	He	95.650	ppb	2.3	55,794	100	95.65	
Se	78	74	H2	37.973	ppb	4.8	13,660	40	94.93	
Mo	95	103	He	38.306	ppb	3.0	91,105	40	95.76	
Ag	107	103	He	38.449	ppb	3.4	248,926	40	96.12	
Cd	111	103	He	95.868	ppb	3.1	96,165	100	95.87	
[Cd]	111	103	NoGas	97.460	ppb	1.1	196,947	100	97.46	
Sb	121	103	He	37.331	ppb	2.6	114,835	40	93.33	
Ba	138	159	He	102.015	ppb	5.9	672,683	100	102.02	
Hg	201	159	NoGas	782.609	ppt	1.3	735	800	97.83	
Tl	205	159	He	36.414	ppb	5.4	420,094	40	91.04	
Pb	208	159	NoGas	101.660	ppb	0.7	2,062,908	100	101.66	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.1	1,200,100	1229359.47666667	97.6	
Sc	45	H2	Analog	4.3	3,492,158	3591937.89666667	97.2	
Sc	45	He	Pulse	2.3	577,439	612710.146666667	94.2	
Sc	45	NoGas	Analog	1.1	4,285,658	4468445.58666667	95.9	
Ge	74	H2	Analog	6.9	1,095,172	1120884.48333333	97.7	
Ge	74	He	Pulse	2.2	313,182	330363.863333333	94.8	
Ge	74	NoGas	Analog	1.4	1,070,808	1108567.33333333	96.6	
Rh	103	He	Pulse	2.9	666,724	717764.703333333	92.9	
Rh	103	NoGas	Analog	0.9	1,061,045	1140608.58666667	93.0	
Tb	159	He	Mix	5.7	1,023,897	1026648.59333333	99.7	
Tb	159	NoGas	Analog	1.4	1,705,429	1778362.84	95.9	
Bi	209	He	Pulse	2.8	563,234	593063.546666667	95.0	
Bi	209	NoGas	Pulse	1.3	822,024	902652.31	91.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-CCB1	Total Dilution: 1.0000
File Name: 037_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type: CCB
Acq Time: 5/8/2020 12:24:08	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.018	ppb	36.5	104	
Na	23	45	He	5.696	ppb	12.7	29.276	
Mg	24	45	He	0.817	ppb	33.5	3,570	
Al	27	45	He	0.667	ppb	9.0	1,002	
K	39	45	He	3.187	ppb	139.5	79.404	
Ca	44	45	H2	0.705	ppb	74.3	2,761	
[Ca]	44	45	He	1.899	ppb	159.6	834	
Ti	47	45	NoGas	0.044	ppb	28.4	335	
V	51	74	He	0.053	ppb	10.3	2,073	
Cr	52	74	He	-0.005	ppb	N/A	647	
Mn	55	74	He	-0.011	ppb	N/A	264	
Fe	56	74	H2	0.540	ppb	70.6	73.237	
Co	59	74	He	0.007	ppb	66.4	258	
Ni	60	74	He	0.021	ppb	221.7	324	
Cu	65	74	He	0.032	ppb	56.3	189	
Zn	66	74	He	0.014	ppb	179.5	141	
As	75	74	He	0.041	ppb	10.1	66	
Se	78	74	H2	0.027	ppb	18.6	17	
Mo	95	103	He	0.032	ppb	54.5	106	
Ag	107	103	He	0.010	ppb	12.5	68	
Cd	111	103	He	0.042	ppb	13.3	43	
[Cd]	111	103	NoGas	0.015	ppb	34.6	38	
Sb	121	103	He	0.249	ppb	8.1	786	
Ba	138	159	He	0.010	ppb	55.7	310	
Hg	201	159	NoGas	6.627	ppb	37.3	17	
Tl	205	159	He	0.013	ppb	44.0	170	
Pb	208	159	NoGas	0.016	ppb	21.3	614	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.4	1,248,584	1229359.47666667	101.6	
Sc	45	H2	Analog	5.6	3,523,984	3591937.89666667	98.1	
Sc	45	He	Pulse	3.4	564,200	612710.146666667	92.1	
Sc	45	NoGas	Analog	4.9	4,484,767	4468445.58666667	100.4	
Ge	74	H2	Mix	7.9	1,087,547	1120884.48333333	97.0	
Ge	74	He	Pulse	2.3	302,506	330363.863333333	91.6	
Ge	74	NoGas	Analog	2.7	1,098,336	1108567.33333333	99.1	
Rh	103	He	Pulse	2.6	648,267	717764.703333333	90.3	
Rh	103	NoGas	Analog	3.5	1,101,808	1140608.58666667	96.6	
Tb	159	He	Mix	7.1	1,003,749	1026648.59333333	97.8	
Tb	159	NoGas	Analog	5.4	1,774,847	1778362.84	99.8	
Bi	209	He	Pulse	2.9	548,996	593063.546666667	92.6	
Bi	209	NoGas	Mix	6.8	877,706	902652.31	97.2	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL5	Total Dilution:	1.0000
File Name:	038CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL1
Acq Time:	5/8/2020 12:29:15	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.202	ppb	4.8	762	112.22	
Na	23	45	He	13.009	ppb	3.8	42,832	144.54	R-11
Mg	24	45	He	9.497	ppb	1.1	11,997	105.52	
Al	27	45	He	9.030	ppb	0.6	5,403	100.33	
K	39	45	He	10.443	ppb	28.9	86,874	116.03	
Ca	44	45	H2	55.993	ppb	2.3	18,286	103.69	
[Ca]	44	45	He	57.150	ppb	7.0	3,050	105.83	
Ti	47	45	NoGas	0.264	ppb	22.6	651	146.67	R-11
V	51	74	He	0.194	ppb	7.9	2,857	107.78	
Cr	52	74	He	0.153	ppb	2.3	1,565	85	
Mn	55	74	He	0.184	ppb	1.7	1,066	102.22	
Fe	56	74	H2	8.653	ppb	8.5	189,994	96.14	
Co	59	74	He	0.171	ppb	4.4	1,507	95	
Ni	60	74	He	0.078	ppb	25.0	437	43.33	R-11
Cu	65	74	He	0.205	ppb	10.6	557	113.89	
Zn	66	74	He	0.119	ppb	74.1	231	66.11	R-11
As	75	74	He	0.192	ppb	7.2	155	106.67	
Se	78	74	H2	0.210	ppb	27.2	76	116.67	
Mo	95	103	He	0.210	ppb	15.5	530	116.67	
Ag	107	103	He	0.180	ppb	8.5	1,172	100	
Cd	111	103	He	0.211	ppb	8.0	214	117.22	
[Cd]	111	103	NoGas	0.165	ppb	31.5	362	91.67	
Sb	121	103	He	0.219	ppb	15.7	718	121.67	
Ba	138	159	He	0.165	ppb	5.3	1,377	91.67	
Hg	201	159	NoGas	9.451	ppt	42.4	19	131.26	R-11
Tl	205	159	He	0.159	ppb	1.8	1,905	88.33	
Pb	208	159	NoGas	0.180	ppb	3.2	4,051	100	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	0.9	1,236,719	1229359.47666667	100.6	
Sc	45	H2	Analog	2.2	3,360,173	3591937.89666667	93.5	
Sc	45	He	Pulse	2.3	576,059	612710.146666667	94.0	
Sc	45	NoGas	Analog	2.9	4,465,617	4468445.58666667	99.9	
Ge	74	H2	Mix	4.0	1,008,966	1120884.483333333	90.0	
Ge	74	He	Pulse	1.8	309,981	330363.863333333	93.8	
Ge	74	NoGas	Analog	5.0	1,114,911	1108567.333333333	100.6	
Rh	103	He	Pulse	2.4	668,237	717764.703333333	93.1	
Rh	103	NoGas	Analog	5.2	1,139,877	1140608.586666667	99.9	
Tb	159	He	Analog	4.5	1,045,962	1026648.593333333	101.9	
Tb	159	NoGas	Analog	1.6	1,758,896	1778362.84	98.9	
Bi	209	He	Pulse	2.5	557,978	593063.546666667	94.1	
Bi	209	NoGas	Pulse	2.0	836,333	902652.31	92.7	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL6	Total Dilution:	1.0000
File Name:	039_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL2
Acq Time:	5/8/2020 12:34:22	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.886	ppb	1.8	3,161	98.44	
Na	23	45	He	48.696	ppb	6.4	106,322	108.21	
Mg	24	45	He	45.918	ppb	6.6	47,184	102.04	
Al	27	45	He	45.925	ppb	5.6	24,817	102.06	
K	39	45	He	46.109	ppb	16.8	115,642	102.46	
Ca	44	45	H2	260.686	ppb	4.4	81,953	96.55	
[Ca]	44	45	He	266.409	ppb	5.4	11,433	98.67	
Ti	47	45	NoGas	0.861	ppb	18.7	1,469	95.67	
V	51	74	He	0.883	ppb	7.9	6,447	98.11	
Cr	52	74	He	0.877	ppb	9.3	5,707	97.44	
Mn	55	74	He	0.889	ppb	5.3	3,942	98.78	
Fe	56	74	H2	39.197	ppb	3.2	727,796	87.1	
Co	59	74	He	0.904	ppb	6.7	7,053	100.44	
Ni	60	74	He	0.812	ppb	8.6	1,752	90.22	
Cu	65	74	He	1.026	ppb	3.9	2,279	114	
Zn	66	74	He	0.855	ppb	7.4	839	95	
As	75	74	He	0.879	ppb	4.3	551	97.67	
Se	78	74	H2	0.913	ppb	5.7	347	101.44	
Mo	95	103	He	0.826	ppb	9.6	1,990	91.78	
Ag	107	103	He	0.848	ppb	5.3	5,491	94.22	
Cd	111	103	He	0.890	ppb	4.9	894	98.89	
[Cd]	111	103	NoGas	0.873	ppb	4.3	1,821	97	
Sb	121	103	He	0.875	ppb	7.2	2,730	97.22	
Ba	138	159	He	0.888	ppb	11.6	6,001	98.67	
Hg	201	159	NoGas	32.317	ppt	14.6	40	89.77	
Tl	205	159	He	0.805	ppb	9.4	9,161	89.44	
Pb	208	159	NoGas	0.885	ppb	4.5	18,172	98.33	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.5	1,217,032	1229359.47666667	99.0	
Sc	45	H2	Analog	3.8	3,615,856	3591937.89666667	100.7	
Sc	45	He	Pulse	4.8	579,199	612710.146666667	94.5	
Sc	45	NoGas	Analog	2.7	4,339,390	4468445.58666667	97.1	
Ge	74	H2	Analog	2.6	1,130,638	1120884.483333333	100.9	
Ge	74	He	Pulse	3.6	310,373	330363.863333333	93.9	
Ge	74	NoGas	Analog	1.6	1,082,010	1108567.333333333	97.6	
Rh	103	He	Pulse	4.6	666,658	717764.703333333	92.9	
Rh	103	NoGas	Analog	2.6	1,092,217	1140608.586666667	95.8	
Tb	159	He	Mix	8.5	1,010,002	1026648.593333333	98.4	
Tb	159	NoGas	Analog	3.4	1,702,309	1778362.84	95.7	
Bi	209	He	Pulse	4.5	554,612	593063.546666667	93.5	
Bi	209	NoGas	Mix	6.9	836,553	902652.31	92.7	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL7	Total Dilution:	1.0000
File Name:	040CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL3
Acq Time:	5/8/2020 12:39:28	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.690	ppb	2.9	6,004	93.89	
Na	23	45	He	94.240	ppb	0.9	181,286	104.71	
Mg	24	45	He	92.900	ppb	1.9	89,659	103.22	
Al	27	45	He	91.777	ppb	1.8	47,394	101.97	
K	39	45	He	95.821	ppb	3.6	150,401	106.47	
Ca	44	45	H2	529.691	ppb	1.4	158,056	98.09	
[Ca]	44	45	He	545.372	ppb	2.9	21,884	100.99	
Ti	47	45	NoGas	1.656	ppb	7.4	2,594	92	
V	51	74	He	1.741	ppb	1.3	10,653	96.72	
Cr	52	74	He	1.781	ppb	1.2	10,620	98.94	
Mn	55	74	He	1.805	ppb	2.7	7,484	100.28	
Fe	56	74	H2	88.967	ppb	5.2	1,475,774	98.85	
Co	59	74	He	1.775	ppb	2.7	13,305	98.61	
Ni	60	74	He	1.799	ppb	3.6	3,439	99.94	
Cu	65	74	He	1.971	ppb	2.7	4,154	109.5	
Zn	66	74	He	1.846	ppb	7.5	1,617	102.56	
As	75	74	He	1.740	ppb	4.9	1,022	96.67	
Se	78	74	H2	1.723	ppb	9.5	610	95.72	
Mo	95	103	He	1.699	ppb	3.8	3,957	94.39	
Ag	107	103	He	1.728	ppb	3.5	10,874	96	
Cd	111	103	He	1.764	ppb	0.8	1,722	98	
[Cd]	111	103	NoGas	1.811	ppb	2.5	3,743	100.61	
Sb	121	103	He	1.744	ppb	2.6	5,253	96.89	
Ba	138	159	He	1.856	ppb	5.3	11,902	103.11	
Hg	201	159	NoGas	60.724	ppt	17.2	67	84.34	
Tl	205	159	He	1.644	ppb	4.1	18,100	91.33	
Pb	208	159	NoGas	1.683	ppb	2.3	35,039	93.5	

ISTD Table:

Name	Mass	Tune Mode	Del.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.9	1,219,715	1229359.47666667	99.2	
Sc	45	H2	Analog	1.9	3,485,431	3591937.89666667	97.0	
Sc	45	He	Pulse	0.7	560,218	612710.146666667	91.4	
Sc	45	NoGas	Analog	2.4	4,348,150	4468445.58666667	97.3	
Ge	74	H2	Mix	5.7	1,066,665	1120884.48333333	95.2	
Ge	74	He	Pulse	0.9	302,452	330363.863333333	91.6	
Ge	74	NoGas	Analog	1.0	1,082,488	1108567.33333333	97.6	
Rh	103	He	Pulse	1.6	647,642	717764.703333333	90.2	
Rh	103	NoGas	Analog	2.6	1,082,817	1140608.58666667	94.9	
Tb	159	He	Mix	5.3	974,877	1026648.59333333	95.0	
Tb	159	NoGas	Analog	0.7	1,736,729	1778362.84	97.7	
Bi	209	He	Pulse	1.0	535,794	593063.546666667	90.3	
Bi	209	NoGas	Pulse	1.5	815,782	902652.31	90.4	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL8	Total Dilution:	1.0000
File Name:	041CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL4
Acq Time:	5/8/2020 12:44:33	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.545	ppb	3.3	12,446	98.47	
Na	23	45	He	180.936	ppb	0.5	341,028	100.52	
Mg	24	45	He	180.624	ppb	0.4	177,279	100.35	
Al	27	45	He	179.833	ppb	1.5	95,244	99.91	
K	39	45	He	182.392	ppb	1.0	224,273	101.33	
Ca	44	45	H2	1034.266	ppb	6.4	314,930	95.77	
[Ca]	44	45	He	1073.539	ppb	1.2	43,723	99.4	
Ti	47	45	NoGas	3.621	ppb	1.7	5,270	100.58	
V	51	74	He	3.417	ppb	2.3	19,567	94.92	
Cr	52	74	He	3.594	ppb	2.6	21,174	99.83	
Mn	55	74	He	3.518	ppb	1.5	14,584	97.72	
Fe	56	74	H2	173.237	ppb	8.3	2,892,063	96.24	
Co	59	74	He	3.500	ppb	1.6	26,577	97.22	
Ni	60	74	He	3.493	ppb	3.2	6,536	97.03	
Cu	65	74	He	3.971	ppb	2.3	8,412	110.31	
Zn	66	74	He	3.644	ppb	4.4	3,127	101.22	
As	75	74	He	3.406	ppb	1.3	2,001	94.61	
Se	78	74	H2	3.369	ppb	10.0	1,219	93.58	
Mo	95	103	He	3.403	ppb	3.2	8,018	94.53	
Ag	107	103	He	3.417	ppb	3.8	21,851	94.92	
Cd	111	103	He	3.430	ppb	4.7	3,398	95.28	
[Cd]	111	103	NoGas	3.470	ppb	5.7	7,090	96.39	
Sb	121	103	He	3.469	ppb	1.9	10,571	96.36	
Ba	138	159	He	3.467	ppb	2.0	23,525	96.31	
Hg	201	159	NoGas	130.344	ppt	12.7	130	90.52	
Tl	205	159	He	3.104	ppb	2.4	36,467	86.22	
Pb	208	159	NoGas	3.543	ppb	2.3	71,823	98.42	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.2	1,209,427	1229359.47666667	98.4	
Sc	45	H2	Analog	5.7	3,592,686	3591937.89666667	100.0	
Sc	45	He	Pulse	0.4	578,406	612710.146666667	94.4	
Sc	45	NoGas	Analog	1.8	4,270,821	4468445.58666667	95.6	
Ge	74	H2	Mix	7.7	1,098,992	1120884.48333333	98.0	
Ge	74	He	Pulse	0.6	308,644	330363.863333333	93.4	
Ge	74	NoGas	Analog	1.1	1,092,942	1108567.33333333	98.6	
Rh	103	He	Pulse	1.5	658,003	717764.703333333	91.7	
Rh	103	NoGas	Analog	1.0	1,072,180	1140608.58666667	94.0	
Tb	159	He	Analog	2.6	1,040,373	1026648.59333333	101.3	
Tb	159	NoGas	Analog	2.5	1,698,117	1778362.84	95.5	
Bi	209	He	Pulse	0.8	556,025	593063.546666667	93.8	
Bi	209	NoGas	Pulse	1.3	812,589	902652.31	90.0	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV2	Total Dilution:	1.0000
File Name:	052_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 13:40:12	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.744	ppb	3.3	138,822	40	96.86	
Na	23	45	He	4177.337	ppb	0.5	7,598,217	4000	104.43	
Mg	24	45	He	4389.612	ppb	0.9	4,335,382	4000	109.74	
Al	27	45	He	4199.069	ppb	2.3	2,257,485	4000	104.98	
K	39	45	He	4331.619	ppb	1.2	3,608,856	4000	108.29	
Ca	44	45	H2	4252.163	ppb	4.4	1,281,111	4000	106.3	
[Ca]	44	45	He	4189.471	ppb	0.9	172,114	4000	104.74	
Ti	47	45	NoGas	95.213	ppb	2.3	141,004	100	95.21	
V	51	74	He	96.864	ppb	1.3	523,523	100	96.86	
Cr	52	74	He	100.030	ppb	1.4	592,613	100	100.03	
Mn	55	74	He	103.219	ppb	0.9	434,905	100	103.22	
Fe	56	74	H2	3995.043	ppb	5.0	66,334,805	4000	99.88	
Co	59	74	He	100.941	ppb	1.5	789,722	100	100.94	
Ni	60	74	He	104.612	ppb	0.4	194,380	100	104.61	
Cu	65	74	He	108.475	ppb	1.1	235,083	100	108.48	
Zn	66	74	He	101.391	ppb	0.9	86,644	100	101.39	
As	75	74	He	97.075	ppb	0.7	57,953	100	97.08	
Se	78	74	H2	38.806	ppb	5.7	14,209	40	97.02	
Mo	95	103	He	39.194	ppb	1.2	93,991	40	97.99	
Ag	107	103	He	39.126	ppb	0.5	255,458	40	97.82	
Cd	111	103	He	97.786	ppb	1.5	98,902	100	97.79	
[Cd]	111	103	NoGas	94.805	ppb	1.9	201,873	100	94.8	
Sb	121	103	He	38.617	ppb	1.4	119,762	40	96.54	
Ba	138	159	He	100.851	ppb	0.6	690,618	100	100.85	
Hg	201	159	NoGas	777.287	ppt	3.8	763	800	97.16	
Tl	205	159	He	35.894	ppb	0.5	429,935	40	89.74	> +/- 10%
Pb	208	159	NoGas	97.549	ppb	1.5	2,070,029	100	97.55	

ISTD Table:

Name	Mass	Tune Mode	Del.	CPS RSD	CPS	ISTD Rel CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.5	1,237,803	1229359.47666667	100.7	
Sc	45	H2	Analog	1.9	3,569,794	3591937.89666667	99.4	
Sc	45	He	Pulse	1.1	591,274	612710.146666667	96.5	
Sc	45	NoGas	Analog	1.8	4,562,647	4468445.58666667	102.1	
Ge	74	H2	Analog	4.0	1,113,945	1120884.48333333	99.4	
Ge	74	He	Pulse	1.1	320,437	330363.863333333	97.0	
Ge	74	NoGas	Analog	3.0	1,129,682	1108567.33333333	101.9	
Rh	103	He	Pulse	1.6	671,952	717764.703333333	93.6	
Rh	103	NoGas	Analog	1.6	1,118,217	1140608.58666667	98.0	
Tb	159	He	Analog	0.6	1,060,919	1026648.59333333	103.3	
Tb	159	NoGas	Analog	1.8	1,783,646	1778362.84	100.3	
Bi	209	He	Pulse	1.6	567,686	593063.546666667	95.7	
Bi	209	NoGas	Pulse	1.8	852,408	902652.31	94.4	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV3	Total Dilution:	1.0000
File Name:	053_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 13:46:10	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	37.936	ppb	3.4	138,693	40	94.84	
Na	23	45	He	4148.363	ppb	3.7	7,522,704	4000	103.71	
Mg	24	45	He	4370.215	ppb	3.7	4,303,070	4000	109.26	
Al	27	45	He	4221.097	ppb	2.3	2,263,334	4000	105.53	
K	39	45	He	4360.467	ppb	3.7	3,621,341	4000	109.01	
Ca	44	45	H2	4372.963	ppb	0.9	1,303,479	4000	109.32	
[Ca]	44	45	He	4239.505	ppb	3.3	173,641	4000	105.99	
Ti	47	45	NoGas	94.532	ppb	2.3	140,979	100	94.53	
V	51	74	He	96.711	ppb	2.7	524,199	100	96.71	
Cr	52	74	He	99.981	ppb	2.8	594,022	100	99.98	
Mn	55	74	He	103.451	ppb	2.6	437,132	100	103.45	
Fe	56	74	H2	4001.950	ppb	2.1	65,894,581	4000	100.05	
Co	59	74	He	100.564	ppb	2.2	789,110	100	100.56	
Ni	60	74	He	104.843	ppb	2.3	195,368	100	104.84	
Cu	65	74	He	108.536	ppb	2.3	235,899	100	108.54	
Zn	66	74	He	100.934	ppb	2.3	86,506	100	100.93	
As	75	74	He	97.138	ppb	2.0	58,161	100	97.14	
Se	78	74	H2	38.945	ppb	2.8	14,143	40	97.36	
Mo	95	103	He	39.081	ppb	3.3	93,780	40	97.7	
Ag	107	103	He	39.274	ppb	3.1	256,566	40	98.18	
Cd	111	103	He	97.595	ppb	3.1	98,778	100	97.6	
[Cd]	111	103	NoGas	92.454	ppb	3.0	202,518	100	92.45	
Sb	121	103	He	38.861	ppb	2.4	120,615	40	97.15	
Ba	138	159	He	100.868	ppb	6.1	692,914	100	100.87	
Hg	201	159	NoGas	755.801	ppt	4.5	757	800	94.48	
Tl	205	159	He	35.634	ppb	5.6	428,244	40	89.08	> +/- 10%
Pb	208	159	NoGas	96.039	ppb	3.4	2,077,218	100	96.04	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.4	1,262,726	1229359.47666667	102.7	
Sc	45	H2	Analog	1.5	3,530,813	3591937.89666667	98.3	
Sc	45	He	Pulse	3.2	589,897	612710.146666667	96.3	
Sc	45	NoGas	Analog	1.9	4,594,795	4468445.58666667	102.8	
Ge	74	H2	Analog	2.7	1,103,599	1120884.48333333	98.5	
Ge	74	He	Pulse	2.2	321,455	330363.863333333	97.3	
Ge	74	NoGas	Analog	1.0	1,150,178	1108567.33333333	103.8	
Rh	103	He	Pulse	2.5	672,662	717764.703333333	93.7	
Rh	103	NoGas	Analog	1.7	1,150,483	1140608.58666667	100.9	
Tb	159	He	Analog	5.8	1,066,734	1026648.59333333	103.9	
Tb	159	NoGas	Analog	2.1	1,818,518	1778362.84	102.3	
Bi	209	He	Pulse	2.6	567,251	593063.546666667	95.6	
Bi	209	NoGas	Pulse	0.5	857,389	902652.31	95.0	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	0E08027-CCB2	Total Dilution:	1.0000
File Name:	054_CCB.d	Vial:	1
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCB
Acq Time:	5/8/2020 13:51:09	I.S. Reference File:	008CALB.d
Comment:	CCB	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.020	ppb	33.2	116	
Na	23	45	He	5.285	ppb	11.9	29.587	
Mg	24	45	He	0.002	µpb	6529.2	2,907	
Al	27	45	He	0.381	ppb	55.5	884	
K	39	45	He	2.291	ppb	90.4	81,537	
Ca	44	45	H2	0.157	ppb	226.3	2,686	
[Ca]	44	45	He	3.334	ppb	56.1	921	
Ti	47	45	NoGas	0.122	ppb	3.6	465	
V	51	74	He	0.033	ppb	37.1	2,058	
Cr	52	74	He	0.003	ppb	303.9	722	
Mn	55	74	He	-0.006	ppb	N/A	299	
Fe	56	74	H2	-0.331	ppb	N/A	62,152	
Co	59	74	He	0.007	ppb	60.4	266	
Ni	60	74	He	-0.004	ppb	N/A	294	
Cu	65	74	He	0.010	ppb	47.5	151	
Zn	66	74	He	0.031	ppb	63.2	162	
As	75	74	He	0.027	ppb	37.5	61	
Se	78	74	H2	0.035	ppb	34.2	21	
Mo	95	103	He	0.025	ppb	21.7	91	
Ag	107	103	He	0.008	ppb	46.7	59	
Cd	111	103	He	0.030	ppb	8.9	32	
[Cd]	111	103	NoGas	0.030	ppb	14.6	75	
Sb	121	103	He	0.290	ppb	5.9	937	
Ba	138	159	He	0.016	ppb	50.9	364	
Hg	201	159	NoGas	10.690	ppt	12.1	21	
Tl	205	159	He	0.015	ppb	4.7	210	
Pb	208	159	NoGas	0.019	ppb	8.8	704	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	2.6	1,274,644	1229359.47666667	103.7	
Sc	45	H2	Analog	0.3	3,638,119	3591937.89666667	101.3	
Sc	45	He	Pulse	1.7	584,057	612710.146666667	95.3	
Sc	45	NoGas	Analog	1.8	4,658,534	4468445.58666667	104.3	
Ge	74	H2	Analog	1.9	1,138,073	1120884.48333333	101.5	
Ge	74	He	Pulse	1.1	315,806	330363.863333333	95.6	
Ge	74	NoGas	Analog	0.2	1,137,037	1108567.33333333	102.6	
Rh	103	He	Pulse	1.4	667,298	717764.703333333	93.0	
Rh	103	NoGas	Analog	1.2	1,163,060	1140608.58666667	102.0	
Tb	159	He	Analog	2.1	1,045,210	1026648.59333333	101.8	
Tb	159	NoGas	Analog	1.4	1,827,086	1778362.84	102.7	
Bi	209	He	Pulse	1.2	558,920	593063.546666667	94.2	
Bi	209	NoGas	Pulse	1.2	849,586	902652.31	94.1	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRL9	Total Dilution:	1.0000
File Name:	055CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL1
Acq Time:	5/8/2020 13:56:14	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.199	ppb	8.7	760	110.56	
Na	23	45	He	12.463	ppb	8.2	43,982	138.48	R-11
Mg	24	45	He	9.013	ppb	6.3	12,111	100.14	
Al	27	45	He	9.320	ppb	8.2	5,829	103.56	
K	39	45	He	8.643	ppb	41.9	89,787	96.03	
Ca	44	45	H2	50.087	ppb	5.1	18,671	92.75	
[Ca]	44	45	He	52.825	ppb	5.4	3,026	97.82	
Ti	47	45	NoGas	0.373	ppb	2.9	841	207.22	R-11
V	51	74	He	0.205	ppb	10.3	3,038	113.89	
Cr	52	74	He	0.171	ppb	11.8	1,738	95	
Mn	55	74	He	0.162	ppb	18.6	1,018	90	
Fe	56	74	H2	6.810	ppb	6.9	188,821	75.67	
Co	59	74	He	0.174	ppb	12.3	1,590	96.67	
Ni	60	74	He	0.121	ppb	48.8	536	67.22	R-11
Cu	65	74	He	0.191	ppb	7.0	550	106.11	
Zn	66	74	He	0.131	ppb	38.5	252	72.78	
As	75	74	He	0.162	ppb	3.1	143	90	
Se	78	74	H2	0.165	ppb	20.1	71	91.67	
Mo	95	103	He	0.209	ppb	17.8	542	116.11	
Ag	107	103	He	0.185	ppb	18.6	1,230	102.78	
Cd	111	103	He	0.186	ppb	6.8	194	103.33	
[Cd]	111	103	NoGas	0.177	ppb	8.2	397	98.33	
Sb	121	103	He	0.239	ppb	3.8	799	132.78	R-11
Ba	138	159	He	0.161	ppb	1.6	1,382	89.44	
Hg	201	159	NoGas	13.426	ppt	45.2	24	186.47	R-11
Tl	205	159	He	0.156	ppb	6.8	1,923	86.67	
Pb	208	159	NoGas	0.186	ppb	4.3	4,266	103.33	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	1.7	1,254,195	1229359.47666667	102.0	
Sc	45	H2	Analog	4.5	3,780,510	3591937.89666667	105.2	
Sc	45	He	Pulse	4.0	605,624	612710.146666667	98.8	
Sc	45	NoGas	Analog	0.7	4,642,912	4468445.58666667	103.9	
Ge	74	H2	Analog	4.9	1,173,627	1120884.48333333	104.7	
Ge	74	He	Pulse	3.6	322,894	330363.863333333	97.7	
Ge	74	NoGas	Analog	2.1	1,155,196	1108567.33333333	104.2	
Rh	103	He	Pulse	5.0	686,956	717764.703333333	95.7	
Rh	103	NoGas	Analog	1.5	1,157,460	1140608.58666667	101.5	
Tb	159	He	Analog	7.0	1,076,806	1026648.59333333	104.9	
Tb	159	NoGas	Analog	0.8	1,800,347	1778362.84	101.2	
Bi	209	He	Pulse	4.2	567,913	593063.546666667	95.8	
Bi	209	NoGas	Mix	5.9	867,585	902652.31	96.1	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRLA	Total Dilution:	1.0000
File Name:	056_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL2
Acq Time:	5/8/2020 14:01:18	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.893	ppb	4.5	3,283	99.22	
Na	23	45	He	48.785	ppb	3.0	111,550	108.41	
Mg	24	45	He	45.783	ppb	3.3	49,307	101.74	
Al	27	45	He	46.025	ppb	3.4	26,055	102.28	
K	39	45	He	45.210	µpb	4.4	120,418	100.47	
Ca	44	45	H2	286.867	ppb	4.9	87,537	106.25	
[Ca]	44	45	He	270.539	ppb	3.5	12,149	100.2	
Ti	47	45	NoGas	1.061	ppb	6.7	1,918	117.89	
V	51	74	He	0.916	ppb	4.9	6,903	101.78	
Cr	52	74	He	0.920	ppb	3.8	6,210	102.22	
Mn	55	74	He	0.861	ppb	1.1	3,991	95.67	
Fe	56	74	H2	42.984	ppb	9.3	767,892	95.52	
Co	59	74	He	0.916	ppb	5.6	7,441	101.78	
Ni	60	74	He	0.824	ppb	11.2	1,850	91.56	
Cu	65	74	He	0.904	ppb	12.2	2,107	100.44	
Zn	66	74	He	0.880	ppb	2.9	897	97.78	
As	75	74	He	0.856	ppb	12.0	560	95.11	
Se	78	74	H2	0.853	ppb	5.5	316	94.78	
Mo	95	103	He	0.849	ppb	3.4	2,122	94.33	
Ag	107	103	He	0.840	ppb	1.5	5,634	93.33	
Cd	111	103	He	0.926	ppb	2.6	964	102.89	
[Cd]	111	103	NoGas	0.815	µpb	2.5	1,826	90.56	
Sb	121	103	He	0.870	ppb	3.6	2,813	96.67	
Ba	138	159	He	0.884	ppb	4.8	6,367	98.22	
Hg	201	159	NoGas	35.460	ppt	8.8	46	98.5	
Tl	205	159	He	0.792	ppb	3.1	9,592	88	
Pb	208	159	NoGas	0.853	ppb	3.3	19,002	94.78	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Rel CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.5	1,255,043	1229359.47666667	102.1	
Sc	45	H2	Analog	3.9	3,520,545	3591937.89666667	98.0	
Sc	45	He	Pulse	1.4	605,899	612710.146666667	98.9	
Sc	45	NoGas	Analog	1.7	4,743,789	4468445.58666667	106.2	
Ge	74	H2	Mix	8.3	1,101,436	1120884.48333333	98.3	
Ge	74	He	Pulse	1.6	323,302	330363.863333333	97.9	
Ge	74	NoGas	Analog	2.2	1,163,866	1108567.33333333	105.0	
Rh	103	He	Pulse	1.9	689,941	717764.703333333	96.1	
Rh	103	NoGas	Analog	1.8	1,171,226	1140608.58666667	102.7	
Tb	159	He	Analog	3.3	1,070,422	1026648.59333333	104.3	
Tb	159	NoGas	Analog	3.1	1,845,177	1778362.84	103.8	
Bi	209	He	Pulse	1.8	573,094	593063.546666667	96.6	
Bi	209	NoGas	Mix	7.1	914,830	902652.31	101.3	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRLB	Total Dilution:	1.0000
File Name:	057CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL3
Acq Time:	5/8/2020 14:06:22	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.800	ppb	3.2	6,521	100	
Na	23	45	He	96.078	ppb	1.3	194,379	106.75	
Mg	24	45	He	93.338	ppb	0.9	94,927	103.71	
Al	27	45	He	95.586	ppb	1.7	51,993	106.21	
K	39	45	He	97.079	ppb	2.4	159,536	107.87	
Ca	44	45	H2	581.751	ppb	3.7	170,883	107.73	
[Ca]	44	45	He	553.588	ppb	3.5	23,396	102.52	
Ti	47	45	NoGas	2.167	ppb	3.2	3,509	120.39	
V	51	74	He	1.817	ppb	2.5	11,546	100.94	
Cr	52	74	He	1.810	ppb	1.9	11,276	100.56	
Mn	55	74	He	1.816	ppb	3.6	7,872	100.89	
Fe	56	74	H2	93.528	ppb	5.7	1,567,170	103.92	
Co	59	74	He	1.793	ppb	1.1	14,059	99.61	
Ni	60	74	He	1.757	ppb	6.9	3,520	97.61	
Cu	65	74	He	1.975	ppb	4.3	4,354	109.72	
Zn	66	74	He	1.835	ppb	6.9	1,682	101.94	
As	75	74	He	1.752	ppb	6.4	1,076	97.33	
Se	78	74	H2	1.839	ppb	10.4	658	102.17	
Mo	95	103	He	1.769	ppb	2.6	4,248	98.28	
Ag	107	103	He	1.774	ppb	0.2	11,521	98.56	
Cd	111	103	He	1.808	ppb	3.0	1,821	100.44	
[Cd]	111	103	NoGas	1.718	ppb	4.0	3,753	95.44	
Sb	121	103	He	1.832	ppb	8.4	5,688	101.78	
Ba	138	159	He	1.884	ppb	6.8	12,715	104.67	
Hg	201	159	NoGas	69.716	ppl	12.4	79	96.83	
Tl	205	159	He	1.652	ppb	6.9	19,142	91.78	
Pb	208	159	NoGas	1.739	ppb	1.7	37,500	96.61	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.3	1,243,053	1229359.47666667	101.1	
Sc	45	H2	Analog	3.0	3,437,837	3591937.89666667	95.7	
Sc	45	He	Pulse	0.8	590,415	612710.146666667	96.4	
Sc	45	NoGas	Analog	1.3	4,600,319	4468445.58666667	103.0	
Ge	74	H2	Analog	4.2	1,079,414	1120884.48333333	96.3	
Ge	74	He	Pulse	0.7	316,282	330363.863333333	95.7	
Ge	74	NoGas	Analog	2.6	1,143,811	1108567.33333333	103.2	
Rh	103	He	Pulse	1.0	668,182	717764.703333333	93.1	
Rh	103	NoGas	Analog	1.1	1,144,741	1140608.58666667	100.4	
Tb	159	He	Mix	6.0	1,027,796	1026648.59333333	100.1	
Tb	159	NoGas	Analog	1.7	1,799,188	1778362.84	101.2	
Bi	209	He	Pulse	0.9	553,040	593063.546666667	93.3	
Bi	209	NoGas	Mix	3.6	867,815	902652.31	96.1	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRLC	Total Dilution:	1.0000
File Name:	058CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL4
Acq Time:	5/8/2020 14:12:17	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.490	ppb	3.1	12,679	96.94	
Na	23	45	He	178.550	ppb	3.7	359,486	99.19	
Mg	24	45	He	177.177	ppb	4.2	185,639	98.43	
Al	27	45	He	176.408	ppb	4.3	99,717	98	
K	39	45	He	178.694	ppb	5.8	236,228	99.27	
Ca	44	45	H2	1064.909	ppb	4.8	331,566	98.6	
[Ca]	44	45	He	1056.458	ppb	4.9	45,926	97.82	
Ti	47	45	NoGas	3.633	ppb	5.1	5,708	100.92	
V	51	74	He	3.396	ppb	3.1	20,591	94.33	
Cr	52	74	He	3.560	ppb	3.6	22,195	98.89	
Mn	55	74	He	3.439	ppb	2.0	15,099	95.53	
Fe	56	74	H2	171.350	ppb	3.9	3,041,179	95.19	
Co	59	74	He	3.455	ppb	1.9	27,771	95.97	
Ni	60	74	He	3.514	ppb	4.3	6,957	97.61	
Cu	65	74	He	3.788	ppb	3.0	8,498	105.22	
Zn	66	74	He	3.700	ppb	4.0	3,358	102.78	
As	75	74	He	3.404	ppb	3.3	2,116	94.56	
Se	78	74	H2	3.434	ppb	2.1	1,323	95.39	
Mo	95	103	He	3.470	ppb	5.9	8,632	96.39	
Ag	107	103	He	3.328	ppb	1.8	22,484	92.44	
Cd	111	103	He	3.410	ppb	4.1	3,568	94.72	
[Cd]	111	103	NoGas	3.334	ppb	3.5	7,329	92.61	
Sb	121	103	He	3.451	ppb	4.4	11,107	95.86	
Ba	138	159	He	3.428	ppb	4.6	24,789	95.22	
Hg	201	159	NoGas	137.653	ppt	7.5	143	95.59	
Tl	205	159	He	2.976	ppb	2.8	37,292	82.67	
Pb	208	159	NoGas	3.416	ppb	3.8	72,461	94.89	

ISTD Table:

Name	Mass	Tune Mode	Del.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.5	1,251,471	1229359.47666667	101.8	
Sc	45	H2	Analog	3.6	3,669,564	3591937.89666667	102.2	
Sc	45	He	Pulse	3.6	617,879	612710.146666667	100.8	
Sc	45	NoGas	Analog	3.3	4,616,692	4468445.58666667	103.3	
Ge	74	H2	Analog	3.0	1,164,078	1120884.48333333	103.9	
Ge	74	He	Pulse	2.2	326,736	330363.863333333	98.9	
Ge	74	NoGas	Analog	2.2	1,155,939	1108567.33333333	104.3	
Rh	103	He	Pulse	2.9	695,323	717764.703333333	96.9	
Rh	103	NoGas	Analog	3.2	1,153,825	1140608.58666667	101.2	
Tb	159	He	Analog	3.8	1,109,527	1026648.59333333	108.1	
Tb	159	NoGas	Analog	3.0	1,777,428	1778362.84	99.9	
Bi	209	He	Pulse	2.9	578,692	593063.546666667	97.6	
Bi	209	NoGas	Mix	6.8	892,534	902652.31	98.9	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name: 0E08027-CCV4	Total Dilution: 1.0000
File Name: 069_CCV.d	Vial: 2
File Path: C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type: CCV
Acq Time: 5/8/2020 15:07:34	I.S. Reference File: 008CALB.d
Comment: A20D039 KT 5/8	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.358	ppb	2.9	138,756	40	98.39	
Na	23	45	He	4165.155	ppb	3.2	7,607,683	4000	104.13	
Mg	24	45	He	4374.787	ppb	2.9	4,339,108	4000	109.37	
Al	27	45	He	4230.912	ppb	2.5	2,284,626	4000	105.77	
K	39	45	He	4360.927	ppb	3.3	3,647,908	4000	109.02	
Ca	44	45	H2	4330.101	ppb	1.3	1,303,757	4000	108.25	
[Ca]	44	45	He	4186.090	ppb	3.3	172,687	4000	104.65	
Ti	47	45	NoGas	97.965	ppb	1.7	143,410	100	97.96	
V	51	74	He	97.405	ppb	2.8	527,189	100	97.4	
Cr	52	74	He	100.638	ppb	2.7	597,064	100	100.64	
Mn	55	74	He	103.468	ppb	2.1	436,606	100	103.47	
Fe	56	74	H2	4060.410	ppb	0.6	67,838,416	4000	101.51	
Co	59	74	He	100.853	ppb	2.7	790,190	100	100.85	
Ni	60	74	He	105.273	ppb	2.6	195,879	100	105.27	
Cu	65	74	He	108.684	ppb	3.2	235,854	100	108.68	
Zn	66	74	He	100.994	ppb	3.0	86,426	100	100.99	
As	75	74	He	97.643	ppb	2.5	58,375	100	97.64	
Se	78	74	H2	38.516	ppb	0.8	14,194	40	96.29	
Mo	95	103	He	39.550	ppb	2.7	95,134	40	98.87	
Ag	107	103	He	38.780	ppb	3.2	253,931	40	96.95	
Cd	111	103	He	97.588	ppb	3.7	98,991	100	97.59	
[Cd]	111	103	NoGas	92.685	ppb	0.5	199,697	100	92.68	
Sb	121	103	He	38.141	ppb	3.5	118,637	40	95.35	
Ba	138	159	He	100.263	ppb	2.9	692,616	100	100.26	
Hg	201	159	NoGas	767.120	ppl	2.3	749	800	95.89	
Tl	205	159	He	34.842	ppb	2.6	421,033	40	87.1	> +/- 10%
Pb	208	159	NoGas	97.185	ppb	0.9	2,048,962	100	97.18	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.2	1,217,754	1229359.47666667	99.1	
Sc	45	H2	Analog	2.3	3,567,054	3591937.89666667	99.3	
Sc	45	He	Pulse	2.4	594,011	612710.146666667	96.9	
Sc	45	NoGas	Analog	1.1	4,509,848	4468445.58666667	100.9	
Ge	74	H2	Analog	1.0	1,119,427	1120884.48333333	99.9	
Ge	74	He	Pulse	1.9	320,983	330363.863333333	97.2	
Ge	74	NoGas	Analog	0.7	1,131,770	1108567.33333333	102.1	
Rh	103	He	Pulse	2.6	674,255	717764.703333333	93.9	
Rh	103	NoGas	Analog	0.4	1,131,256	1140608.58666667	99.2	
Tb	159	He	Analog	2.4	1,070,707	1026648.59333333	104.3	
Tb	159	NoGas	Analog	0.8	1,771,839	1778362.84	99.6	
Bi	209	He	Pulse	3.0	563,948	593063.546666667	95.1	
Bi	209	NoGas	Mix	3.7	841,384	902652.31	93.2	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	0E08027-CCB3	Total Dilution:	1.0000
File Name:	070_CCB.d	Vial:	1
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCB
Acq Time:	5/8/2020 15:12:33	I.S. Reference File:	008CALB.d
Comment:	CCB	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.015	ppb	66.4	93	
Na	23	45	He	11.562	ppb	7.6	41.653	
Mg	24	45	He	0.589	ppb	14.2	3,550	
Al	27	45	He	2.059	ppb	6.5	1,812	
K	39	45	He	8.029	ppb	54.1	87,872	
Ca	44	45	H2	0.539	ppb	32.0	2,875	
[Ca]	44	45	He	3.263	ppb	25.8	937	
Ti	47	45	NoGas	0.238	ppb	28.0	640	
V	51	74	He	0.041	ppb	20.5	2,134	
Cr	52	74	He	0.002	ppb	436.2	728	
Mn	55	74	He	0.034	ppb	26.2	471	
Fe	56	74	H2	2.231	ppb	7.0	107,792	
Co	59	74	He	0.016	ppb	39.9	339	
Ni	60	74	He	-0.021	ppb	N/A	268	
Cu	65	74	He	0.022	ppb	93.3	180	
Zn	66	74	He	0.040	ppb	57.9	172	
As	75	74	He	0.032	ppb	58.4	64	
Se	78	74	H2	0.030	ppb	48.2	19	
Mo	95	103	He	0.027	ppb	26.1	96	
Ag	107	103	He	0.008	ppb	7.5	60	
Cd	111	103	He	0.036	ppb	27.8	38	
[Cd]	111	103	NoGas	0.014	ppb	7.3	38	
Sb	121	103	He	0.222	ppb	4.6	734	
Ba	138	159	He	0.022	ppb	21.8	412	
Hg	201	159	NoGas	4.995	ppt	36.2	15	
Tl	205	159	He	0.012	ppb	12.2	171	
Pb	208	159	NoGas	0.024	ppb	9.4	793	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	1.9	1,252,177	1229359.47666667	101.9	
Sc	45	H2	Analog	5.1	3,733,581	3591937.89666667	103.9	
Sc	45	He	Pulse	3.3	596,078	612710.146666667	97.3	
Sc	45	NoGas	Analog	4.9	4,651,536	4468445.58666667	104.1	
Ge	74	H2	Analog	4.3	1,161,896	1120884.48333333	103.7	
Ge	74	He	Pulse	2.4	320,575	330363.863333333	97.0	
Ge	74	NoGas	Analog	2.7	1,165,789	1108567.33333333	105.2	
Rh	103	He	Pulse	3.4	674,221	717764.703333333	93.9	
Rh	103	NoGas	Analog	4.1	1,166,160	1140608.58666667	102.2	
Tb	159	He	Analog	5.3	1,065,863	1026648.59333333	103.8	
Tb	159	NoGas	Analog	4.6	1,766,339	1778362.84	99.3	
Bi	209	He	Pulse	2.9	548,323	593063.546666667	92.5	
Bi	209	NoGas	Mix	8.1	871,165	902652.31	96.5	

Quantitation Report - ICPMS5

Sample Name:	0050271-BLK1	Total Dilution:	5.0000
File Name:	075SMPL.d	Vial:	3205
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	Sample
Acq Time:	5/8/2020 15:37:29	I.S. Reference File:	008CALB.d
Comment:	0050271 SED As	Last Calibration:	05/08/2020 15:18:25

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.016	ppb	46.8	92	100	
Na	23	45	He	4.954	ppb	6.9	28,435	50000	
Mg	24	45	He	0.555	ppb	11.2	3,380	50000	
Al	27	45	He	6.637	ppb	7.6	4,123	50000	
K	39	45	He	1.347	ppb	176.1	79,206	50000	
Ca	44	45	H2	3.172	ppb	20.3	3,439	50000	
[Ca]	44	45	He	4.702	ppb	13.8	957	50000	
Ti	47	45	NoGas	1.761	ppb	9.5	2,794	2500	
V	51	74	He	0.009	ppb	22.7	1,873	500	
Cr	52	74	He	-0.011	ppb	N/A	622	1000	
Mn	55	74	He	0.08	ppb	6.7	638	2500	
Fe	56	74	H2	11.771	ppb	1.0	260,767	50000	
Co	59	74	He	0	ppb	N/A	207	500	
Ni	60	74	He	-0.095	ppb	N/A	124	1000	
Cu	65	74	He	0.202	ppb	25.2	544	1000	
Zn	66	74	He	0.057	ppb	50.1	179	2500	
As	75	74	He	-0.009	ppb	N/A	38	500	
Se	78	74	H2	-0.005	ppb	N/A	6	100	
Mo	95	103	He	0.002	ppb	282.2	34	100	
Ag	107	103	He	0	ppb	76.4	8	100	
Cd	111	103	He	0.006	ppb	18.2	8	500	
[Cd]	111	103	NoGas	0.005	ppb	107.6	18	500	
Sb	121	103	He	-0.003	ppb	N/A	32	100	
Ba	138	159	He	0.005	ppb	94.8	296	2500	
W	182	159	NoGas	-0.012	ppb	N/A	353	40	
Hg	201	159	NoGas	5.051	ppt	97.1	15	4000	
Tl	205	159	He	0.001	ppb	219.3	37	100	
Pb	208	159	NoGas	0.008	ppb	57.5	424	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,176,564	1.6	1229359.47666667	Analog	95.7	
Sc	45	H2	3,469,268	3.1	3591937.89666667	Analog	96.6	
Sc	45	He	572,688	1.5	612710.146666667	Pulse	93.5	
Sc	45	NoGas	4,435,053	5.3	4468445.58666667	Analog	99.3	
Ge	74	H2	1,109,308	3.1	1120884.48333333	Analog	99.0	
Ge	74	He	306,341	1.2	330363.863333333	Pulse	92.7	
Ge	74	NoGas	1,140,908	1.6	1108567.33333333	Analog	102.9	
Rh	103	He	658,209	1.5	717764.703333333	Pulse	91.7	
Rh	103	NoGas	1,143,501	3.7	1140608.58666667	Analog	100.3	
Tb	159	He	1,051,197	2.6	1026648.59333333	Analog	102.4	
Tb	159	NoGas	1,720,594	6.6	1778362.84	Analog	96.8	
Bi	209	He	531,463	0.9	593063.546666667	Pulse	89.6	
Bi	209	NoGas	825,754	11.2	902652.31	Mix	91.5	

Quantitation Report - ICPMS5

Sample Name:	0050271-BS1	Total Dilution:	5.0000
File Name:	076SMPL.d	Vial:	3206
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	Sample
Acq Time:	5/8/2020 15:42:33	I.S. Reference File:	008CALB.d
Comment:	0050271 SED As	Last Calibration:	05/08/2020 15:18:25

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	23.591	ppb	7.2	83,722	100	
Na	23	45	He	2574.575	ppb	3.4	4,626,882	50000	
Mg	24	45	He	2608.916	ppb	3.8	2,542,611	50000	
Al	27	45	He	2602.932	ppb	3.3	1,380,938	50000	
K	39	45	He	2710.872	ppb	2.6	2,258,056	50000	
Ca	44	45	H2	2367.962	ppb	5.9	724,073	50000	
[Ca]	44	45	He	2491.438	ppb	4.0	101,267	50000	
Ti	47	45	NoGas	47.415	ppb	6.2	70,669	2500	
V	51	74	He	47.993	ppb	3.1	256,933	500	
Cr	52	74	He	48.595	ppb	3.3	284,467	1000	
Mn	55	74	He	49.377	ppb	3.1	205,480	2500	
Fe	56	74	H2	2295.412	ppb	5.1	39,283,966	50000	
Co	59	74	He	48.927	ppb	2.9	377,891	500	
Ni	60	74	He	50.4	ppb	3.0	92,571	1000	
Cu	65	74	He	52.627	ppb	2.5	112,628	1000	
Zn	66	74	He	49.932	ppb	1.8	42,188	2500	
As	75	74	He	48.273	ppb	2.7	28,463	500	
Se	78	74	H2	21.878	ppb	4.5	8,256	100	
Mo	95	103	He	23.209	ppb	3.7	55,195	100	
Ag	107	103	He	23.4	ppb	3.0	151,485	100	
Cd	111	103	He	48.511	ppb	3.1	48,654	500	
[Cd]	111	103	NoGas	45.949	ppb	6.5	99,949	500	
Sb	121	103	He	22.979	ppb	3.2	70,682	100	
Ba	138	159	He	48.395	ppb	3.9	332,490	2500	
W	182	159	NoGas	-0.006	ppb	N/A	418	40	
Hg	201	159	NoGas	861.342	ppl	5.8	838	4000	
Tl	205	159	He	19.775	ppb	3.7	237,572	100	
Pb	208	159	NoGas	46.14	ppb	6.6	971,116	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,228,034	5.6	1229359.47666667	Analog	99.9	
Sc	45	H2	3,622,571	4.7	3591937.89666667	Analog	100.9	
Sc	45	He	583,665	3.5	612710.146666667	Pulse	95.3	
Sc	45	NoGas	4,591,814	5.3	4468445.58666667	Analog	102.8	
Ge	74	H2	1,147,080	3.5	1120884.48333333	Analog	102.3	
Ge	74	He	316,356	2.4	330363.863333333	Pulse	95.8	
Ge	74	NoGas	1,148,106	5.6	1108567.33333333	Analog	103.6	
Rh	103	He	666,562	2.5	717764.703333333	Pulse	92.9	
Rh	103	NoGas	1,144,702	5.5	1140608.58666667	Analog	100.4	
Tb	159	He	1,064,826	3.2	1026648.59333333	Analog	103.7	
Tb	159	NoGas	1,772,497	5.3	1778362.84	Analog	99.7	
Bi	209	He	548,124	2.3	593063.546666667	Pulse	92.4	
Bi	209	NoGas	841,541	10.8	902652.31	Mix	93.2	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV5	Total Dilution:	1.0000
File Name:	081_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 16:07:20	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.956	ppb	2.0	137,949	40	97.39	
Na	23	45	He	4197.427	ppb	2.3	7,367,412	4000	104.94	
Mg	24	45	He	4388.800	ppb	1.3	4,183,298	4000	109.72	
Al	27	45	He	4330.125	ppb	1.7	2,246,860	4000	108.25	
K	39	45	He	4454.912	ppb	2.7	3,579,308	4000	111.37	> +/- 10%
Ca	44	45	H2	4140.949	ppb	3.0	1,242,513	4000	103.52	
[Ca]	44	45	He	4218.135	ppb	2.4	167,213	4000	105.45	
Ti	47	45	NoGas	96.204	ppb	3.0	138,559	100	96.2	
V	51	74	He	97.424	ppb	1.5	510,371	100	97.42	
Cr	52	74	He	99.898	ppb	1.4	573,666	100	99.9	
Mn	55	74	He	103.377	ppb	1.0	422,203	100	103.38	
Fe	56	74	H2	3984.668	ppb	2.8	65,844,365	4000	99.62	
Co	59	74	He	100.626	ppb	1.6	763,094	100	100.63	
Ni	60	74	He	104.379	ppb	1.0	187,986	100	104.38	
Cu	65	74	He	107.829	ppb	2.3	226,494	100	107.83	
Zn	66	74	He	99.868	ppb	1.7	82,723	100	99.87	
As	75	74	He	97.313	ppb	1.9	56,308	100	97.31	
Se	78	74	H2	37.375	ppb	3.6	13,620	40	93.44	
Mo	95	103	He	39.442	ppb	2.8	91,323	40	98.6	
Ag	107	103	He	38.906	ppb	1.5	245,248	40	97.26	
Cd	111	103	He	98.010	ppb	1.3	95,718	100	98.01	
[Cd]	111	103	NoGas	90.390	ppb	3.3	196,031	100	90.39	
Sb	121	103	He	38.624	ppb	0.8	115,662	40	96.56	
Ba	138	159	He	97.909	ppb	2.7	672,798	100	97.91	
Hg	201	159	NoGas	747.527	ppt	3.3	730	800	93.44	
Tl	205	159	He	33.716	ppb	2.1	405,278	40	84.29	> +/- 10%
Pb	208	159	NoGas	96.579	ppb	4.6	2,036,644	100	96.58	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	1.5	1,222,666	1229359.47666667	99.5	
Sc	45	H2	Analog	3.8	3,556,469	3591937.89666667	99.0	
Sc	45	He	Pulse	1.6	570,680	612710.146666667	93.1	
Sc	45	NoGas	Analog	3.9	4,439,811	4468445.58666667	99.4	
Ge	74	H2	Analog	3.2	1,107,768	1120884.48333333	98.8	
Ge	74	He	Pulse	0.9	310,598	330363.863333333	94.0	
Ge	74	NoGas	Analog	3.4	1,137,043	1108567.33333333	102.6	
Rh	103	He	Pulse	0.3	648,753	717764.703333333	90.4	
Rh	103	NoGas	Analog	3.2	1,139,455	1140608.58666667	99.9	
Tb	159	He	Analog	1.8	1,064,920	1026648.59333333	103.7	
Tb	159	NoGas	Analog	4.0	1,774,273	1778362.84	99.8	
Bi	209	He	Pulse	0.7	538,972	593063.546666667	90.9	
Bi	209	NoGas	Mix	11.6	840,706	902652.31	93.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-CCB4	Total Dilution: 1.0000
File Name: 082_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type: CCB
Acq Time: 5/8/2020 16:12:20	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.020	ppb	39.1	109	
Na	23	45	He	3.294	ppb	10.3	26,369	
Mg	24	45	He	0.596	ppb	61.1	3,526	
Al	27	45	He	3.353	ppb	11.4	2,495	
K	39	45	He	4.175	ppb	84.6	84,130	
Ca	44	45	H2	0.669	ppb	56.1	2,710	
[Ca]	44	45	He	3.953	ppb	55.0	957	
Ti	47	45	NoGas	0.319	ppb	5.3	743	
V	51	74	He	0.039	ppb	42.1	2,081	
Cr	52	74	He	-0.001	ppb	N/A	694	
Mn	55	74	He	0.052	ppb	9.7	537	
Fe	56	74	H2	3.674	ppb	8.7	127,017	
Co	59	74	He	0.013	ppb	26.6	314	
Ni	60	74	He	-0.021	ppb	N/A	261	
Cu	65	74	He	0.022	ppb	55.9	176	
Zn	66	74	He	-0.008	ppb	N/A	129	
As	75	74	He	0.036	ppb	85.2	65	
Se	78	74	H2	0.038	ppb	38.4	21	
Mo	95	103	He	0.021	ppb	18.5	82	
Ag	107	103	He	0.009	ppb	17.6	62	
Cd	111	103	He	0.040	ppb	19.5	42	
[Cd]	111	103	NoGas	0.023	ppb	34.3	57	
Sb	121	103	He	0.141	ppb	8.6	478	
Ba	138	159	He	0.035	ppb	22.8	512	
Hg	201	159	NoGas	1.058	ppt	144.5	11	
Tl	205	159	He	0.013	ppb	4.3	187	
Pb	208	159	NoGas	0.022	ppb	16.3	732	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	4.4	1,232,418	1229359.47666667	100.2	
Sc	45	H2	Analog	1.9	3,470,195	3591937.89666667	96.6	
Sc	45	He	Pulse	3.4	591,946	612710.146666667	96.6	
Sc	45	NoGas	Analog	0.7	4,537,916	4468445.58666667	101.6	
Ge	74	H2	Analog	3.1	1,111,724	1120884.483333333	99.2	
Ge	74	He	Pulse	2.0	314,178	330363.863333333	95.1	
Ge	74	NoGas	Analog	1.3	1,120,092	1108567.333333333	101.0	
Rh	103	He	Pulse	2.8	668,739	717764.703333333	93.2	
Rh	103	NoGas	Analog	2.0	1,143,685	1140608.58666667	100.3	
Tb	159	He	Analog	3.6	1,076,606	1026648.593333333	104.9	
Tb	159	NoGas	Analog	2.8	1,756,212	1778362.84	98.8	
Bi	209	He	Pulse	2.4	536,315	593063.546666667	90.4	
Bi	209	NoGas	Pulse	0.9	784,891	902652.31	87.0	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV6	Total Dilution:	1.0000
File Name:	093_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 17:07:38	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.138	ppb	7.7	133,016	40	95.34	
Na	23	45	He	4080.265	ppb	2.7	7,038,744	4000	102.01	
Mg	24	45	He	4273.286	ppb	2.9	4,002,531	4000	106.83	
Al	27	45	He	4244.210	ppb	2.8	2,164,129	4000	106.11	
K	39	45	He	4390.494	ppb	2.6	3,468,089	4000	109.76	
Ca	44	45	H2	4101.821	ppb	6.9	1,223,465	4000	102.55	
[Ca]	44	45	He	4112.415	ppb	2.7	160,236	4000	102.81	
Ti	47	45	NoGas	93.293	ppb	7.6	134,121	100	93.29	
V	51	74	He	95.907	ppb	2.0	490,606	100	95.91	
Cr	52	74	He	97.999	ppb	2.1	549,491	100	98	
Mn	55	74	He	102.190	ppb	1.9	407,504	100	102.19	
Fe	56	74	H2	3827.235	ppb	6.5	63,903,090	4000	95.68	
Co	59	74	He	98.994	ppb	2.4	733,012	100	98.99	
Ni	60	74	He	102.281	ppb	1.9	179,871	100	102.28	
Cu	65	74	He	105.681	ppb	1.8	216,764	100	105.68	
Zn	66	74	He	98.309	ppb	1.3	79,519	100	98.31	
As	75	74	He	96.711	ppb	2.2	54,640	100	96.71	
Se	78	74	H2	35.208	ppb	5.1	12,973	40	88.02	> +/- 10%
Mo	95	103	He	38.715	ppb	1.7	88,494	40	96.79	
Ag	107	103	He	38.048	ppb	2.3	236,746	40	95.12	
Cd	111	103	He	94.861	ppb	2.1	91,449	100	94.86	
[Cd]	111	103	NoGas	84.778	ppb	8.8	187,456	100	84.78	> +/- 10%
Sb	121	103	He	37.433	ppb	2.3	110,649	40	93.58	
Ba	138	159	He	92.597	ppb	2.9	650,038	100	92.6	
Hg	201	159	NoGas	708.690	ppt	8.7	697	800	88.59	> +/- 10%
Tl	205	159	He	31.670	ppb	3.1	388,862	40	79.18	> +/- 10%
Pb	208	159	NoGas	94.566	ppb	8.7	2,006,875	100	94.57	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.7	1,206,876	1229359.47666667	98.2	
Sc	45	H2	Analog	4.5	3,539,652	3591937.89666667	98.5	
Sc	45	He	Pulse	2.0	560,906	612710.146666667	91.5	
Sc	45	NoGas	Analog	6.0	4,441,475	4468445.58666667	99.4	
Ge	74	H2	Analog	5.2	1,121,175	1120884.48333333	100.0	
Ge	74	He	Pulse	1.3	303,297	330363.863333333	91.8	
Ge	74	NoGas	Analog	5.7	1,139,826	1108567.33333333	102.8	
Rh	103	He	Pulse	1.4	640,492	717764.703333333	89.2	
Rh	103	NoGas	Analog	7.0	1,165,686	1140608.58666667	102.2	
Tb	159	He	Analog	2.1	1,087,990	1026648.59333333	106.0	
Tb	159	NoGas	Analog	7.3	1,791,070	1778362.84	100.7	
Bi	209	He	Pulse	2.0	523,829	593063.546666667	88.3	
Bi	209	NoGas	Mix	14.7	885,006	902652.31	98.0	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-CCB5	Total Dilution: 1.0000
File Name: 094_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type: CCB
Acq Time: 5/8/2020 17:12:37	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.012	ppb	92.8	79	
Na	23	45	He	-0.040	ppb	N/A	19,037	
Mg	24	45	He	0.214	ppb	92.3	2,955	
Al	27	45	He	3.046	ppb	7.4	2,182	
K	39	45	He	3.502	ppb	93.7	78,313	
Ca	44	45	H2	-0.030	ppb	N/A	2,455	
[Ca]	44	45	He	-0.312	ppb	N/A	733	
Ti	47	45	NoGas	0.305	ppb	46.6	735	
V	51	74	He	0.029	ppb	57.5	1,913	
Cr	52	74	He	-0.012	ppb	N/A	592	
Mn	55	74	He	0.040	ppb	18.7	460	
Fe	56	74	H2	3.494	ppb	6.6	121,617	
Co	59	74	He	0.012	ppb	9.0	289	
Ni	60	74	He	-0.040	ppb	N/A	214	
Cu	65	74	He	0.012	ppb	129.4	146	
Zn	66	74	He	0.010	ppb	51.8	136	
As	75	74	He	0.004	ppb	320.1	44	
Se	78	74	H2	0.018	ppb	15.9	14	
Mo	95	103	He	0.016	ppb	65.8	66	
Ag	107	103	He	0.008	ppb	26.4	54	
Cd	111	103	He	0.024	ppb	43.8	25	
[Cd]	111	103	NoGas	0.021	ppb	20.8	56	
Sb	121	103	He	0.223	ppb	9.3	687	
Ba	138	159	He	0.026	ppb	27.2	442	
Hg	201	159	NoGas	-0.169	ppt	N/A	10	
Tl	205	159	He	0.009	ppb	28.6	139	
Pb	208	159	NoGas	0.027	ppb	38.2	881	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.3	1,200,865	1229359.47666667	97.7	
Sc	45	H2	Analog	2.0	3,398,253	3591937.89666667	94.6	
Sc	45	He	Pulse	1.5	554,391	612710.146666667	90.5	
Sc	45	NoGas	Analog	4.4	4,587,212	4468445.58666667	102.7	
Ge	74	H2	Analog	3.5	1,089,801	1120884.48333333	97.2	
Ge	74	He	Pulse	0.8	296,163	330363.863333333	89.6	
Ge	74	NoGas	Analog	1.9	1,167,273	1108567.33333333	105.3	
Rh	103	He	Pulse	0.7	629,970	717764.703333333	87.8	
Rh	103	NoGas	Analog	2.2	1,217,698	1140608.58666667	106.8	
Tb	159	He	Analog	1.9	1,064,858	1026648.59333333	103.7	
Tb	159	NoGas	Analog	5.0	1,827,675	1778362.84	102.8	
Bi	209	He	Pulse	0.8	502,220	593063.546666667	84.7	
Bi	209	NoGas	Mix	13.2	884,391	902652.31	98.0	

Quantitation Report - ICPMS5

Sample Name:	A0D0763-08	Total Dilution:	5.0000
File Name:	099SMPL.d	Vial:	3310
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	Sample
Acq Time:	5/8/2020 17:37:38	I.S. Reference File:	008CALB.d
Comment:	0050271 SED As	Last Calibration:	05/08/2020 15:18:25

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.519	ppb	1.1	1,727	100	
Na	23	45	He	839.234	ppb	5.0	1,414,173	50000	
Mg	24	45	He	5482.901	ppb	3.3	4,965,251	50000	
Al	27	45	He	26652.503	ppb	4.1	13,135,266	50000	
K	39	45	He	1004.993	ppb	4.6	824,482	50000	
Ca	44	45	H2	13235.265	ppb	3.1	3,608,210	50000	
[Ca]	44	45	He	12485.435	ppb	3.9	468,847	50000	
Ti	47	45	NoGas	2300.817	ppb	2.2	3,270,852	2500	>LDR RR-2
V	51	74	He	98.473	ppb	2.8	465,995	500	
Cr	52	74	He	33.124	ppb	3.3	172,238	1000	
Mn	55	74	He	668.916	ppb	2.9	2,466,177	2500	
Fe	56	74	H2	41240.378	ppb	1.4	530,054,885	50000	
Co	59	74	He	15.308	ppb	2.4	105,039	500	
Ni	60	74	He	25.613	ppb	0.6	41,886	1000	
Cu	65	74	He	33.777	ppb	3.4	64,167	1000	
Zn	66	74	He	75.961	ppb	2.9	56,868	2500	
As	75	74	He	3.53	ppb	2.8	1,884	500	
Se	78	74	H2	0.335	ppb	12.0	101	100	
Mo	95	103	He	0.396	ppb	6.8	862	100	
Ag	107	103	He	0.085	ppb	20.0	493	100	
Cd	111	103	He	0.138	ppb	3.2	124	500	
[Cd]	111	103	NoGas	0.553	ppb	9.3	1,159	500	
Sb	121	103	He	0.237	ppb	5.1	684	100	
Ba	138	159	He	119.353	ppb	6.1	812,795	2500	
W	182	159	NoGas	0.058	ppb	3.4	918	40	
Hg	201	159	NoGas	37.897	ppt	26.6	46	4000	
Tl	205	159	He	0.069	ppb	2.4	849	100	
Pb	208	159	NoGas	6.081	ppb	0.7	126,568	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,124,895	2.5	1229359.47666667	Analog	91.5	
Sc	45	H2	3,235,097	2.5	3591937.89666667	Analog	90.1	
Sc	45	He	542,610	3.6	612710.146666667	Pulse	88.6	
Sc	45	NoGas	4,388,082	1.6	4468445.58666667	Analog	98.2	
Ge	74	H2	862,026	1.4	1120884.48333333	Pulse	76.9	
Ge	74	He	280,674	2.2	330363.863333333	Pulse	85.0	
Ge	74	NoGas	1,061,980	1.2	1108567.33333333	Analog	95.8	
Rh	103	He	591,276	3.7	717764.703333333	Pulse	82.4	
Rh	103	NoGas	1,092,058	2.1	1140608.58666667	Analog	95.7	
Tb	159	He	1,057,322	5.2	1026648.59333333	Analog	103.0	
Tb	159	NoGas	1,745,632	0.4	1778362.84	Analog	98.2	
Bi	209	He	491,087	3.2	593063.546666667	Pulse	82.8	
Bi	209	NoGas	723,144	1.2	902652.31	Pulse	80.1	

Quantitation Report - ICPMS5

Sample Name:	A0D0763-09	Total Dilution:	5.0000
File Name:	100SMPL.d	Vial:	3311
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	Sample
Acq Time:	5/8/2020 17:42:38	I.S. Reference File:	008CALB.d
Comment:	0050271 SED As	Last Calibration:	05/08/2020 15:18:25

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.796	ppb	2.5	2,576	100	
Na	23	45	He	1272.202	ppb	5.4	2,118,761	50000	
Mg	24	45	He	8799.935	ppb	4.6	7,908,099	50000	
Al	27	45	He	42340.486	ppb	5.7	20,709,590	50000	
K	39	45	He	1533.664	ppb	4.1	1,210,722	50000	
Ca	44	45	H2	9738.253	ppb	7.6	2,815,974	50000	
[Ca]	44	45	He	9714.632	ppb	5.0	362,269	50000	
Ti	47	45	NoGas	2887.585	ppb	0.2	4,115,465	2500	>LDR RR-2
V	51	74	He	142.771	ppb	3.9	656,079	500	
Cr	52	74	He	49.88	ppb	4.0	251,847	1000	
Mn	55	74	He	723.247	ppb	3.3	2,592,549	2500	
Fe	56	74	H2	54958.272	ppb	5.9	720,536,487	50000	>LDR RR-2
Co	59	74	He	20.744	ppb	4.9	138,270	500	
Ni	60	74	He	38.061	ppb	3.3	60,370	1000	
Cu	65	74	He	45.163	ppb	4.0	83,378	1000	
Zn	66	74	He	90.751	ppb	3.5	66,031	2500	
As	75	74	He	5.027	ppb	7.9	2,589	500	
Se	78	74	H2	0.388	ppb	6.2	118	100	
Mo	95	103	He	0.344	ppb	7.7	727	100	
Ag	107	103	He	0.097	ppb	1.2	544	100	
Cd	111	103	He	0.147	ppb	4.0	128	500	
[Cd]	111	103	NoGas	0.8	ppb	9.2	1,629	500	
Sb	121	103	He	0.196	ppb	6.9	553	100	
Ba	138	159	He	259.309	ppb	14.4	1,527,569	2500	
W	182	159	NoGas	0.033	ppb	4.1	714	40	
Hg	201	159	NoGas	28.866	ppt	18.8	37	4000	
Tl	205	159	He	0.106	ppb	22.4	1,113	100	
Pb	208	159	NoGas	5.458	ppb	1.0	112,268	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,102,102	0.5	1229359.47666667	Analog	89.6	
Sc	45	H2	3,440,399	6.6	3591937.89666667	Analog	95.8	
Sc	45	He	538,814	4.0	612710.146666667	Pulse	87.9	
Sc	45	NoGas	4,398,328	1.0	4468445.58666667	Analog	98.4	
Ge	74	H2	880,913	4.8	1120884.48333333	Pulse	78.6	
Ge	74	He	272,966	3.2	330363.863333333	Pulse	82.6	
Ge	74	NoGas	1,044,640	1.3	1108567.33333333	Analog	94.2	
Rh	103	He	572,233	3.6	717764.703333333	Pulse	79.7	
Rh	103	NoGas	1,065,292	2.4	1140608.58666667	Analog	93.4	
Tb	159	He	925,931	14.8	1026648.59333333	Mix	90.2	
Tb	159	NoGas	1,724,728	0.6	1778362.84	Analog	97.0	
Bi	209	He	473,292	3.5	593063.546666667	Pulse	79.8	
Bi	209	NoGas	703,966	0.8	902652.31	Pulse	78.0	

Quantitation Report - ICPMS5

Sample Name:	A0D0763-10	Total Dilution:	5.0000
File Name:	101SMPL.d	Vial:	3312
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	Sample
Acq Time:	5/8/2020 17:47:37	I.S. Reference File:	008CALB.d
Comment:	0050271 SED As	Last Calibration:	05/08/2020 15:18:25

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.793	ppb	7.3	2,595	100	
Na	23	45	He	1079.38	ppb	0.2	1,860,041	50000	
Mg	24	45	He	8474.079	ppb	0.9	7,866,253	50000	
Al	27	45	He	39204.124	ppb	0.1	19,812,887	50000	
K	39	45	He	1351.729	ppb	0.4	1,111,007	50000	
Ca	44	45	H2	8774.393	ppb	5.9	2,586,372	50000	
[Ca]	44	45	He	8765.228	ppb	0.7	337,727	50000	
Ti	47	45	NoGas	2437	ppb	0.9	3,500,716	2500	>LDR RR-2
V	51	74	He	136.911	ppb	1.0	647,329	500	
Cr	52	74	He	46.071	ppb	1.5	239,356	1000	
Mn	55	74	He	781.004	ppb	0.6	2,879,912	2500	
Fe	56	74	H2	53002.659	ppb	11.5	735,371,811	50000	>LDR RR-2
Co	59	74	He	22.088	ppb	1.2	151,487	500	
Ni	60	74	He	38.083	ppb	0.3	62,140	1000	
Cu	65	74	He	44.242	ppb	1.9	84,031	1000	
Zn	66	74	He	90.975	ppb	1.2	68,093	2500	
As	75	74	He	5.201	ppb	0.8	2,757	500	
Se	78	74	H2	0.414	ppb	8.0	133	100	
Mo	95	103	He	0.331	ppb	4.5	726	100	
Ag	107	103	He	0.095	ppb	13.1	550	100	
Cd	111	103	He	0.143	ppb	15.2	129	500	
[Cd]	111	103	NoGas	0.723	ppb	6.6	1,474	500	
Sb	121	103	He	0.133	ppb	3.5	401	100	
Ba	138	159	He	204.058	ppb	2.2	1,394,828	2500	
W	182	159	NoGas	0.032	ppb	26.4	717	40	
Hg	201	159	NoGas	36.827	ppt	12.9	45	4000	
Tl	205	159	He	0.087	ppb	2.3	1,072	100	
Pb	208	159	NoGas	5.519	ppb	2.4	114,668	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,114,242	1.7	1229359.47666667	Analog	90.6	
Sc	45	H2	3,502,687	5.7	3591937.89666667	Analog	97.5	
Sc	45	He	555,877	0.3	612710.146666667	Pulse	90.7	
Sc	45	NoGas	4,433,585	2.3	4468445.58666667	Analog	99.2	
Ge	74	H2	938,410	11.1	1120884.48333333	Mix	83.7	
Ge	74	He	280,614	0.9	330363.863333333	Pulse	84.9	
Ge	74	NoGas	1,048,429	2.1	1108567.33333333	Analog	94.6	
Rh	103	He	590,834	0.8	717764.703333333	Pulse	82.3	
Rh	103	NoGas	1,065,335	1.8	1140608.58666667	Analog	93.4	
Tb	159	He	1,059,447	1.7	1026648.59333333	Analog	103.2	
Tb	159	NoGas	1,742,828	2.7	1778362.84	Analog	98.0	
Bi	209	He	487,239	1.0	593063.546666667	Pulse	82.2	
Bi	209	NoGas	705,238	1.9	902652.31	Pulse	78.1	

Quantitation Report - ICPMS5

Sample Name:	A0D0763-11	Total Dilution:	5.0000
File Name:	102SMPL.d	Vial:	3313
File Path:	C:\Agilent\ICPMH\1\DATA\10E08027.b	Sample Type:	Sample
Acq Time:	5/8/2020 17:52:35	I.S. Reference File:	008CALB.d
Comment:	0050271 SED As	Last Calibration:	05/08/2020 15:18:25

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.685	ppb	4.1	2,241	100	
Na	23	45	He	1211.684	ppb	4.6	2,005,180	50000	
Mg	24	45	He	8054.49	ppb	5.8	7,186,212	50000	
Al	27	45	He	37772.017	ppb	4.7	18,352,074	50000	
K	39	45	He	1464.215	ppb	5.3	1,150,849	50000	
Ca	44	45	H2	7675.275	ppb	8.8	2,419,227	50000	
[Ca]	44	45	He	8538.31	ppb	5.0	316,288	50000	
Ti	47	45	NoGas	2807.476	ppb	3.9	3,948,593	2500	>LDR RR-2
V	51	74	He	139.424	ppb	4.2	642,156	500	
Cr	52	74	He	46.243	ppb	4.2	234,050	1000	
Mn	55	74	He	583.292	ppb	4.7	2,095,085	2500	
Fe	56	74	H2	43716.657	ppb	19.0	675,988,679	50000	
Co	59	74	He	20.73	ppb	3.7	138,525	500	
Ni	60	74	He	37.348	ppb	3.9	59,371	1000	
Cu	65	74	He	38.255	ppb	4.3	70,797	1000	
Zn	66	74	He	86.02	ppb	4.2	62,728	2500	
As	75	74	He	4.56	ppb	2.9	2,360	500	
Se	78	74	H2	0.286	ppb	23.0	104	100	
Mo	95	103	He	0.294	ppb	2.6	628	100	
Ag	107	103	He	0.08	ppb	13.4	449	100	
Cd	111	103	He	0.14	ppb	1.9	122	500	
[Cd]	111	103	NoGas	0.72	ppb	12.1	1,462	500	
Sb	121	103	He	0.155	ppb	11.1	449	100	
Ba	138	159	He	199.719	ppb	14.4	1,248,958	2500	
W	182	159	NoGas	0.033	ppb	8.7	716	40	
Hg	201	159	NoGas	21.325	ppt	3.9	30	4000	
Tl	205	159	He	0.087	ppb	6.3	988	100	
Pb	208	159	NoGas	4.989	ppb	4.8	102,785	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,111,574	2.6	1229359.47666667	Analog	90.4	
Sc	45	H2	3,754,431	8.2	3591937.89666667	Analog	104.5	
Sc	45	He	535,006	3.6	612710.146666667	Pulse	87.3	
Sc	45	NoGas	4,344,380	3.6	4468445.58666667	Analog	97.2	
Ge	74	H2	1,058,041	15.8	1120884.48333333	Mix	94.4	Note RSD: OK < 20%
Ge	74	He	273,596	3.3	330363.863333333	Pulse	82.8	
Ge	74	NoGas	1,027,183	3.7	1108567.33333333	Analog	92.7	
Rh	103	He	574,115	3.7	717764.703333333	Pulse	80.0	
Rh	103	NoGas	1,064,500	5.7	1140608.58666667	Analog	93.3	
Tb	159	He	981,094	12.8	1026648.59333333	Mix	95.6	
Tb	159	NoGas	1,729,112	3.7	1778362.84	Analog	97.2	
Bi	209	He	476,634	3.4	593063.546666667	Pulse	80.4	
Bi	209	NoGas	761,616	16.7	902652.31	Mix	84.4	Note RSD: OK < 20%

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV7	Total Dilution:	1.0000
File Name:	105_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 18:07:43	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.478	ppb	3.6	131,414	40	98.7	
Na	23	45	He	4115.836	ppb	4.4	6,758,201	4000	102.9	
Mg	24	45	He	4346.635	ppb	5.0	3,874,721	4000	108.67	
Al	27	45	He	4327.217	ppb	3.3	2,100,908	4000	108.18	
K	39	45	He	4477.709	ppb	3.6	3,366,091	4000	111.94	> +/- 10%
Ca	44	45	H2	4223.081	ppb	1.6	1,188,802	4000	105.58	
[Ca]	44	45	He	4146.958	ppb	4.5	153,792	4000	103.67	
Ti	47	45	NoGas	94.939	ppb	2.7	129,714	100	94.94	
V	51	74	He	96.669	ppb	3.1	468,925	100	96.67	
Cr	52	74	He	98.994	ppb	3.6	526,323	100	98.99	
Mn	55	74	He	102.642	ppb	3.3	388,140	100	102.64	
Fe	56	74	H2	4375.501	ppb	9.2	62,759,999	4000	109.39	
Co	59	74	He	98.946	ppb	3.3	694,776	100	98.95	
Ni	60	74	He	102.773	ppb	3.9	171,357	100	102.77	
Cu	65	74	He	106.214	ppb	3.1	206,591	100	106.21	
Zn	66	74	He	98.600	ppb	3.1	75,625	100	98.6	
As	75	74	He	97.085	ppb	3.0	52,018	100	97.08	
Se	78	74	H2	39.344	ppb	9.9	12,443	40	98.36	
Mo	95	103	He	39.325	ppb	3.5	84,908	40	98.31	
Ag	107	103	He	38.315	ppb	4.3	225,172	40	95.79	
Cd	111	103	He	95.356	ppb	3.6	86,839	100	95.36	
[Cd]	111	103	NoGas	84.809	ppb	3.4	180,585	100	84.81	> +/- 10%
Sb	121	103	He	38.467	ppb	3.7	107,408	40	96.17	
Ba	138	159	He	89.653	ppb	3.6	618,975	100	89.65	> +/- 10%
Hg	201	159	NoGas	691.226	ppt	1.2	662	800	86.4	> +/- 10%
Tl	205	159	He	30.398	ppb	3.2	367,118	40	76	> +/- 10%
Pb	208	159	NoGas	95.340	ppb	4.3	1,967,170	100	95.34	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.6	1,150,122	1229359.47666667	93.6	
Sc	45	H2	Analog	0.6	3,334,326	3591937.89666667	92.8	
Sc	45	He	Pulse	4.1	534,366	612710.14666667	87.2	
Sc	45	NoGas	Analog	3.1	4,210,822	4468445.58666667	94.2	
Ge	74	H2	Mix	10.3	967,238	1120884.48333333	86.3	
Ge	74	He	Pulse	3.1	287,756	330363.86333333	87.1	
Ge	74	NoGas	Analog	2.1	1,095,728	1108567.33333333	98.8	
Rh	103	He	Pulse	3.8	605,488	717764.70333333	84.4	
Rh	103	NoGas	Analog	2.8	1,118,679	1140608.58666667	98.1	
Tb	159	He	Analog	3.7	1,070,496	1026648.59333333	104.3	
Tb	159	NoGas	Analog	3.6	1,735,773	1778362.84	97.6	
Bi	209	He	Pulse	3.6	495,248	593063.54666667	83.5	
Bi	209	NoGas	Mix	14.5	776,085	902652.31	86.0	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	0E08027-CCB6	Total Dilution:	1.0000
File Name:	106_CCB.d	Vial:	1
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCB
Acq Time:	5/8/2020 18:12:44	I.S. Reference File:	008CALB.d
Comment:	CCB	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.015	ppb	19.8	89	
Na	23	45	He	-2.107	ppb	N/A	14,855	
Mg	24	45	He	-0.087	µpb	N/A	2,562	
Al	27	45	He	1.154	ppb	24.6	1,178	
K	39	45	He	1.624	ppb	131.4	73,590	
Ca	44	45	H2	-1.053	ppb	N/A	2,150	
[Ca]	44	45	He	1.739	ppb	75.2	778	
Ti	47	45	NoGas	0.033	ppb	85.9	318	
V	51	74	He	0.017	ppb	46.9	1,779	
Cr	52	74	He	-0.010	ppb	N/A	584	
Mn	55	74	He	0.011	ppb	40.4	334	
Fe	56	74	H2	0.737	ppb	60.0	76,797	
Co	59	74	He	0.001	ppb	283.7	200	
Ni	60	74	He	-0.053	ppb	N/A	184	
Cu	65	74	He	0.016	ppb	12.3	148	
Zn	66	74	He	0.008	ppb	489.9	129	
As	75	74	He	0.015	ppb	115.5	48	
Se	78	74	H2	0.010	ppb	76.5	11	
Mo	95	103	He	0.023	ppb	62.9	78	
Ag	107	103	He	0.007	ppb	5.0	44	
Cd	111	103	He	0.017	ppb	12.5	17	
[Cd]	111	103	NoGas	0.012	ppb	73.7	34	
Sb	121	103	He	0.240	ppb	7.4	708	
Ba	138	159	He	0.008	ppb	19.9	314	
Hg	201	159	NoGas	0.202	ppt	1718.9	11	
Tl	205	159	He	0.011	ppb	28.3	158	
Pb	208	159	NoGas	0.009	ppb	6.8	473	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.8	1,170,044	1229359.47666667	95.2	
Sc	45	H2	Analog	1.7	3,379,614	3591937.89666667	94.1	
Sc	45	He	Pulse	1.2	530,579	612710.146666667	86.6	
Sc	45	NoGas	Analog	3.1	4,477,036	4468445.58666667	100.2	
Ge	74	H2	Analog	2.6	1,090,027	1120884.48333333	97.2	
Ge	74	He	Pulse	0.6	284,990	330363.863333333	86.3	
Ge	74	NoGas	Analog	2.2	1,139,975	1108567.33333333	102.8	
Rh	103	He	Pulse	0.8	604,629	717764.703333333	84.2	
Rh	103	NoGas	Analog	3.1	1,171,517	1140608.58666667	102.7	
Tb	159	He	Analog	1.8	1,053,831	1026648.59333333	102.6	
Tb	159	NoGas	Analog	3.2	1,801,990	1778362.84	101.3	
Bi	209	He	Pulse	0.7	480,837	593063.546666667	81.1	
Bi	209	NoGas	Mix	15.9	792,779	902652.31	87.8	Note RSD: OK < 20%

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV8	Total Dilution:	1.0000
File Name:	117_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 19:08:19	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.501	ppb	2.6	135,002	40	96.25	
Na	23	45	He	4193.397	ppb	2.5	6,842,726	4000	104.83	
Mg	24	45	He	4404.719	ppb	2.1	3,903,107	4000	110.12	> +/- 10%
Al	27	45	He	4369.933	ppb	3.1	2,107,721	4000	109.25	
K	39	45	He	4591.740	ppb	2.8	3,427,610	4000	114.79	> +/- 10%
Ca	44	45	H2	4271.864	ppb	0.5	1,191,612	4000	106.8	
[Ca]	44	45	He	4146.290	ppb	3.1	152,810	4000	103.66	
Ti	47	45	NoGas	90.035	ppb	4.2	129,349	100	90.04	
V	51	74	He	95.889	ppb	2.4	466,202	100	95.89	
Cr	52	74	He	98.276	ppb	2.6	523,721	100	98.28	
Mn	55	74	He	102.000	ppb	2.5	386,588	100	102	
Fe	56	74	H2	4628.047	ppb	0.2	62,308,720	4000	115.7	> +/- 10%
Co	59	74	He	98.114	ppb	2.6	690,487	100	98.11	
Ni	60	74	He	100.617	ppb	2.7	168,167	100	100.62	
Cu	65	74	He	104.344	ppb	2.1	203,416	100	104.34	
Zn	66	74	He	98.761	ppb	1.6	75,925	100	98.76	
As	75	74	He	96.044	ppb	2.1	51,577	100	96.04	
Se	78	74	H2	41.662	ppb	1.7	12,372	40	104.16	
Mo	95	103	He	39.339	ppb	3.1	85,435	40	98.35	
Ag	107	103	He	38.033	ppb	3.0	224,864	40	95.08	
Cd	111	103	He	96.130	ppb	3.3	88,052	100	96.13	
[Cd]	111	103	NoGas	81.888	ppb	2.7	181,112	100	81.89	> +/- 10%
Sb	121	103	He	38.099	ppb	3.3	107,006	40	95.25	
Ba	138	159	He	87.193	ppb	4.2	617,419	100	87.19	> +/- 10%
Hg	201	159	NoGas	663.333	ppt	2.0	660	800	82.92	> +/- 10%
Tl	205	159	He	30.138	ppb	4.1	373,272	40	75.35	> +/- 10%
Pb	208	159	NoGas	92.245	ppb	3.9	1,975,525	100	92.24	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.6	1,210,983	1229359.47666667	98.5	
Sc	45	H2	Analog	1.4	3,303,890	3591937.89666667	92.0	
Sc	45	He	Pulse	2.4	530,643	612710.146666667	86.6	
Sc	45	NoGas	Analog	3.8	4,429,338	4468445.58666667	99.1	
Ge	74	H2	Pulse	0.8	902,154	1120884.48333333	80.5	
Ge	74	He	Pulse	1.6	288,289	330363.863333333	87.3	
Ge	74	NoGas	Analog	4.1	1,142,909	1108567.33333333	103.1	
Rh	103	He	Pulse	2.2	608,741	717764.703333333	84.8	
Rh	103	NoGas	Analog	2.7	1,161,786	1140608.58666667	101.9	
Tb	159	He	Analog	3.2	1,097,956	1026648.59333333	106.9	
Tb	159	NoGas	Analog	2.9	1,801,033	1778362.84	101.3	
Bi	209	He	Pulse	1.9	499,060	593063.546666667	84.1	
Bi	209	NoGas	Mix	14.9	869,613	902652.31	96.3	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-CCB7	Total Dilution: 1.0000
File Name: 118_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type: CCB
Acq Time: 5/8/2020 19:13:22	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.016	ppb	39.0	90	
Na	23	45	He	1.006	ppb	56.3	19,704	
Mg	24	45	He	-0.546	ppb	N/A	2,134	
Al	27	45	He	0.533	ppb	20.6	868	
K	39	45	He	0.485	ppb	520.5	71,981	
Ca	44	45	H2	-0.296	ppb	N/A	2,276	
[Ca]	44	45	He	2.043	ppb	113.7	780	
Ti	47	45	NoGas	0.034	ppb	137.2	305	
V	51	74	He	0.011	ppb	15.7	1,726	
Cr	52	74	He	-0.028	ppb	N/A	480	
Mn	55	74	He	0.004	ppb	114.8	303	
Fe	56	74	H2	-0.088	ppb	N/A	52,008	
Co	59	74	He	0.007	ppb	32.8	241	
Ni	60	74	He	-0.027	ppb	N/A	224	
Cu	65	74	He	0.022	ppb	116.5	158	
Zn	66	74	He	0.047	ppb	95.2	156	
As	75	74	He	0.029	ppb	68.8	55	
Se	78	74	H2	0.040	ppb	64.1	18	
Mo	95	103	He	0.031	ppb	19.3	96	
Ag	107	103	He	0.007	ppb	20.3	44	
Cd	111	103	He	0.025	ppb	14.5	25	
[Cd]	111	103	NoGas	0.013	ppb	29.1	35	
Sb	121	103	He	0.220	ppb	17.1	649	
Ba	138	159	He	0.009	ppb	45.9	321	
Hg	201	159	NoGas	2.577	ppt	15.9	13	
Tl	205	159	He	0.010	ppb	10.7	143	
Pb	208	159	NoGas	0.014	ppb	12.6	563	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	2.7	1,171,116	1229359.47666667	95.3	
Sc	45	H2	Analog	1.6	3,251,053	3591937.89666667	90.5	
Sc	45	He	Pulse	1.5	524,967	612710.146666667	85.7	
Sc	45	NoGas	Analog	1.8	4,282,455	4468445.58666667	95.8	
Ge	74	H2	Pulse	0.4	892,604	1120884.483333333	79.6	
Ge	74	He	Pulse	1.1	280,843	330363.863333333	85.0	
Ge	74	NoGas	Analog	2.1	1,106,292	1108567.333333333	99.8	
Rh	103	He	Pulse	1.1	601,949	717764.703333333	83.9	
Rh	103	NoGas	Analog	0.8	1,131,510	1140608.58666667	99.2	
Tb	159	He	Analog	2.7	1,059,240	1026648.593333333	103.2	
Tb	159	NoGas	Analog	1.7	1,743,161	1778362.84	98.0	
Bi	209	He	Pulse	1.3	482,026	593063.546666667	81.3	
Bi	209	NoGas	Pulse	1.7	702,409	902652.31	77.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCV9	Total Dilution:	1.000
File Name:	129_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 20:09:20	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	37.695	ppb	3.6	129,319	40	94.24	
Na	23	45	He	4412.006	ppb	1.5	6,769,515	4000	110.3	> +/- 10%
Mg	24	45	He	4605.794	ppb	2.0	3,837,452	4000	115.14	> +/- 10%
Al	27	45	He	4606.105	ppb	2.4	2,089,237	4000	115.15	> +/- 10%
K	39	45	He	4710.014	ppb	1.5	3,304,709	4000	117.75	> +/- 10%
Ca	44	45	H2	4161.785	ppb	0.6	1,142,136	4000	104.04	
[Ca]	44	45	He	4298.908	ppb	2.2	148,965	4000	107.47	
Ti	47	45	NoGas	87.313	ppb	4.2	121,692	100	87.31	> +/- 10%
V	51	74	He	98.777	ppb	1.7	450,440	100	98.78	
Cr	52	74	He	101.483	ppb	1.8	507,298	100	101.48	
Mn	55	74	He	106.341	ppb	1.3	378,065	100	106.34	
Fe	56	74	H2	4476.028	ppb	10.3	61,520,050	4000	111.9	> +/- 10%
Co	59	74	He	101.488	ppb	1.9	669,978	100	101.49	
Ni	60	74	He	104.473	ppb	1.8	163,788	100	104.47	
Cu	65	74	He	107.229	ppb	1.9	196,079	100	107.23	
Zn	66	74	He	101.621	ppb	1.7	73,275	100	101.62	
As	75	74	He	97.520	ppb	1.5	49,125	100	97.52	
Se	78	74	H2	39.505	ppb	9.0	11,987	40	98.76	
Mo	95	103	He	40.374	ppb	2.1	82,223	40	100.94	
Ag	107	103	He	39.227	ppb	1.0	217,500	40	98.07	
Cd	111	103	He	99.070	ppb	1.5	85,101	100	99.07	
[Cd]	111	103	NoGas	80.372	ppb	3.3	171,984	100	80.37	> +/- 10%
Sb	121	103	He	39.517	ppb	1.7	104,082	40	98.79	
Ba	138	159	He	88.485	ppb	2.1	597,566	100	88.48	> +/- 10%
Hg	201	159	NoGas	630.534	ppt	5.5	625	800	78.82	> +/- 10%
Tl	205	159	He	30.379	ppb	1.7	358,853	40	75.95	> +/- 10%
Pb	208	159	NoGas	89.522	ppb	4.9	1,909,683	100	89.52	> +/- 10%

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.2	1,185,169	1229359.47666667	96.4	
Sc	45	H2	Analog	1.2	3,250,502	3591937.89666667	90.5	
Sc	45	He	Pulse	1.6	498,884	612710.146666667	81.4	
Sc	45	NoGas	Analog	3.1	4,295,989	4468445.58666667	96.1	
Ge	74	H2	Mix	10.2	927,415	1120884.483333333	82.7	
Ge	74	He	Pulse	1.4	270,403	330363.863333333	81.9	
Ge	74	NoGas	Analog	3.7	1,103,673	1108567.333333333	99.6	
Rh	103	He	Pulse	1.0	570,666	717764.703333333	79.5	
Rh	103	NoGas	Analog	2.2	1,124,032	1140608.58666667	98.5	
Tb	159	He	Analog	1.2	1,046,374	1026648.593333333	101.9	
Tb	159	NoGas	Analog	4.2	1,795,155	1778362.84	100.9	
Bi	209	He	Pulse	1.3	474,665	593063.546666667	80.0	
Bi	209	NoGas	Mix	18.6	793,356	902652.31	87.9	Note RSD; OK < 20%

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	0E08027-CCB8	Total Dilution:	1.0000
File Name:	130_CCB.d	Vial:	1
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CCB
Acq Time:	5/8/2020 20:14:21	I.S. Reference File:	008CALB.d
Comment:	CCB	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.010	ppb	36.4	71	
Na	23	45	He	10.397	ppb	4.8	33,850	
Mg	24	45	He	-0.317	ppb	N/A	2,267	
Al	27	45	He	1.083	ppb	11.7	1,099	
K	39	45	He	0.210	ppb	628.5	69,772	
Ca	44	45	H2	0.436	ppb	44.9	2,459	
[Ca]	44	45	He	-0.537	ppb	N/A	668	
Ti	47	45	NoGas	-0.051	ppb	N/A	190	
V	51	74	He	0.150	ppb	9.6	2,302	
Cr	52	74	He	-0.010	ppb	N/A	552	
Mn	55	74	He	-0.020	ppb	N/A	206	
Fe	56	74	H2	-1.025	ppb	N/A	40,560	
Co	59	74	He	0.005	ppb	12.3	219	
Ni	60	74	He	-0.064	ppb	N/A	159	
Cu	65	74	He	0.008	ppb	184.1	126	
Zn	66	74	He	0.051	ppb	37.6	153	
As	75	74	He	0.044	ppb	15.2	61	
Se	78	74	H2	0.049	ppb	26.3	21	
Mo	95	103	He	0.028	ppb	52.6	84	
Ag	107	103	He	0.007	ppb	9.3	44	
Cd	111	103	He	0.026	ppb	28.3	24	
[Cd]	111	103	NoGas	0.024	ppb	20.2	60	
Sb	121	103	He	0.246	ppb	5.1	698	
Ba	138	159	He	0.011	ppb	37.7	340	
Hg	201	159	NoGas	-2.697	ppt	N/A	8	
Tl	205	159	He	0.008	ppb	32.3	126	
Pb	208	159	NoGas	0.016	ppb	28.4	620	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.5	1,192,236	1229359.47666667	97.0	
Sc	45	H2	Analog	1.7	3,229,206	3591937.89666667	89.9	
Sc	45	He	Pulse	2.2	510,232	612710.146666667	83.3	
Sc	45	NoGas	Analog	2.1	4,328,497	4468445.58666667	96.9	
Ge	74	H2	Mix	7.3	916,146	1120884.48333333	81.7	
Ge	74	He	Pulse	2.0	271,113	330363.863333333	82.1	
Ge	74	NoGas	Analog	1.2	1,109,015	1108567.33333333	100.0	
Rh	103	He	Pulse	2.2	582,031	717764.703333333	81.1	
Rh	103	NoGas	Analog	1.6	1,135,047	1140608.58666667	99.5	
Tb	159	He	Analog	3.5	1,068,432	1026648.59333333	104.1	
Tb	159	NoGas	Analog	1.8	1,785,772	1778362.84	100.4	
Bi	209	He	Pulse	2.4	472,120	593063.546666667	79.6	
Bi	209	NoGas	Mix	15.7	856,664	902652.31	94.9	Note RSD: OK < 20%

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E08027-CCVA	Total Dilution:	1.0000
File Name:	141_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CCV
Acq Time:	5/8/2020 21:10:21	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.096	ppb	3.7	129,277	40	95.24	
Na	23	45	He	4353.127	ppb	3.0	6,979,099	4000	108.83	
Mg	24	45	He	4499.878	ppb	2.1	3,918,073	4000	112.5	> +/- 10%
Al	27	45	He	4455.436	ppb	2.1	2,111,924	4000	111.39	> +/- 10%
K	39	45	He	4660.554	ppb	1.8	3,417,922	4000	116.51	> +/- 10%
Ca	44	45	H2	4277.292	ppb	2.8	1,188,547	4000	106.93	
[Ca]	44	45	He	4066.897	ppb	1.8	147,317	4000	101.67	
Ti	47	45	NoGas	89.682	ppb	4.7	122,036	100	89.68	> +/- 10%
V	51	74	He	96.108	ppb	1.6	449,000	100	96.11	
Cr	52	74	He	98.886	ppb	1.8	506,380	100	98.89	
Mn	55	74	He	102.713	ppb	1.8	374,063	100	102.71	
Fe	56	74	H2	4536.400	ppb	8.6	62,656,339	4000	113.41	> +/- 10%
Co	59	74	He	97.482	ppb	1.8	659,253	100	97.48	
Ni	60	74	He	100.800	ppb	1.0	161,903	100	100.8	
Cu	65	74	He	103.836	ppb	2.4	194,498	100	103.84	
Zn	66	74	He	97.859	ppb	1.9	72,289	100	97.86	
As	75	74	He	94.874	ppb	1.0	48,960	100	94.87	
Se	78	74	H2	39.917	ppb	9.6	12,153	40	99.79	
Mo	95	103	He	38.839	ppb	2.2	81,293	40	97.1	
Ag	107	103	He	37.812	ppb	2.0	215,451	40	94.53	
Cd	111	103	He	94.691	ppb	1.9	83,593	100	94.69	
[Cd]	111	103	NoGas	82.988	ppb	4.8	168,934	100	82.99	> +/- 10%
Sb	121	103	He	37.552	ppb	2.4	101,651	40	93.88	
Ba	138	159	He	83.932	ppb	2.5	583,531	100	83.93	> +/- 10%
Hg	201	159	NoGas	658.541	ppt	9.4	629	800	82.32	> +/- 10%
Tl	205	159	He	28.679	ppb	2.1	348,752	40	71.7	> +/- 10%
Pb	208	159	NoGas	92.028	ppb	5.7	1,897,308	100	92.03	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.3	1,172,059	1229359.47666667	95.3	
Sc	45	H2	Analog	1.6	3,292,152	3591937.89666667	91.7	
Sc	45	He	Pulse	1.2	521,328	612710.146666667	85.1	
Sc	45	NoGas	Analog	4.8	4,197,230	4468445.58666667	93.9	
Ge	74	H2	Mix	10.6	931,152	1120884.48333333	83.1	
Ge	74	He	Pulse	1.3	276,991	330363.863333333	83.8	
Ge	74	NoGas	Analog	2.8	1,074,663	1108567.33333333	96.9	
Rh	103	He	Pulse	1.1	586,497	717764.703333333	81.7	
Rh	103	NoGas	Analog	3.9	1,070,064	1140608.58666667	93.8	
Tb	159	He	Analog	1.9	1,077,337	1026648.59333333	104.9	
Tb	159	NoGas	Analog	4.5	1,735,555	1778362.84	97.6	
Bi	209	He	Pulse	1.0	476,344	593063.546666667	80.3	
Bi	209	NoGas	Mix	18.1	809,066	902652.31	89.6	Note RSD: OK < 20%

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-CCB9	Total Dilution: 1.0000
File Name: 142_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type: CCB
Acq Time: 5/8/2020 21:15:22	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.016	ppb	7.5	93	
Na	23	45	He	2.181	ppb	15.4	20.553	
Mg	24	45	He	-0.384	ppb	N/A	2.165	
Al	27	45	He	-0.231	ppb	N/A	480	
K	39	45	He	4.726	ppb	39.0	71,414	
Ca	44	45	H2	-0.612	ppb	N/A	2,204	
[Ca]	44	45	He	0.159	ppb	1290.9	678	
Ti	47	45	NoGas	-0.076	ppb	N/A	157	
V	51	74	He	0.100	ppb	5.0	2,025	
Cr	52	74	He	-0.022	ppb	N/A	484	
Mn	55	74	He	-0.032	ppb	N/A	161	
Fe	56	74	H2	-1.523	ppb	N/A	35,786	
Co	59	74	He	0.001	ppb	213.5	184	
Ni	60	74	He	-0.035	ppb	N/A	199	
Cu	65	74	He	0.014	ppb	54.1	134	
Zn	66	74	He	-0.026	ppb	N/A	96	
As	75	74	He	0.041	ppb	64.2	58	
Se	78	74	H2	0.034	ppb	37.0	17	
Mo	95	103	He	0.019	ppb	32.1	66	
Ag	107	103	He	0.009	ppb	68.0	52	
Cd	111	103	He	0.021	ppb	25.0	19	
[Cd]	111	103	NoGas	0.009	ppb	126.0	27	
Sb	121	103	He	0.198	ppb	9.6	552	
Ba	138	159	He	0.002	ppb	221.6	270	
Hg	201	159	NoGas	-1.012	ppt	N/A	9	
Tl	205	159	He	0.011	ppb	8.4	163	
Pb	208	159	NoGas	0.011	ppb	18.9	517	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	2.9	1,182,737	1229359.47666667	96.2	
Sc	45	H2	Analog	8.0	3,288,383	3591937.89666667	91.5	
Sc	45	He	Pulse	1.4	499,509	612710.146666667	81.5	
Sc	45	NoGas	Analog	4.2	4,364,638	4468445.58666667	97.7	
Ge	74	H2	Mix	16.7	998,835	1120884.48333333	89.1	Note RSD; OK < 20%
Ge	74	He	Pulse	1.7	264,681	330363.863333333	80.1	
Ge	74	NoGas	Analog	2.3	1,117,483	1108567.33333333	100.8	
Rh	103	He	Pulse	1.5	566,514	717764.703333333	78.9	
Rh	103	NoGas	Analog	4.3	1,156,482	1140608.58666667	101.4	
Tb	159	He	Analog	2.2	1,049,077	1026648.59333333	102.2	
Tb	159	NoGas	Analog	4.5	1,789,340	1778362.84	100.6	
Bi	209	He	Pulse	1.7	451,798	593063.546666667	76.2	
Bi	209	NoGas	Mix	18.8	852,408	902652.31	94.4	Note RSD; OK < 20%

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name: 0E08027-CCVB	Total Dilution: 1.0000
File Name: 151_CC.V.d	Vial: 2
File Path: C:\Agilent\NCPMH\1\DATA\0E08027.b	Sample Type: CCV
Acq Time: 5/8/2020 22:01:21	I.S. Reference File: 008CALB.d
Comment: A20D039 KT 5/8	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	37.949	ppb	3.9	127,473	40	94.87	
Na	23	45	He	4412.963	ppb	1.9	6,791,212	4000	110.32	> +/- 10%
Mg	24	45	He	4638.864	ppb	2.1	3,876,748	4000	115.97	> +/- 10%
Al	27	45	He	4610.250	ppb	2.1	2,097,495	4000	115.26	> +/- 10%
K	39	45	He	4755.952	ppb	2.3	3,346,234	4000	118.9	> +/- 10%
Ca	44	45	H2	4216.393	ppb	2.3	1,167,609	4000	105.41	
[Ca]	44	45	He	4156.286	ppb	2.4	144,482	4000	103.91	
Ti	47	45	NoGas	89.667	ppb	6.7	120,281	100	89.67	> +/- 10%
V	51	74	He	97.618	ppb	2.0	440,054	100	97.62	
Cr	52	74	He	100.196	ppb	2.1	495,118	100	100.2	
Mn	55	74	He	103.768	ppb	2.2	364,664	100	103.77	
Fe	56	74	H2	4807.092	ppb	0.2	61,395,207	4000	120.18	> +/- 10%
Co	59	74	He	98.850	ppb	2.1	645,069	100	98.85	
Ni	60	74	He	101.586	ppb	2.3	157,439	100	101.59	
Cu	65	74	He	105.466	ppb	2.1	190,642	100	105.47	
Zn	66	74	He	100.260	ppb	2.0	71,466	100	100.26	
As	75	74	He	96.463	ppb	2.5	48,030	100	96.46	
Se	78	74	H2	41.855	ppb	0.9	11,793	40	104.64	
Mo	95	103	He	39.792	ppb	2.6	79,748	40	99.48	
Ag	107	103	He	38.349	ppb	2.5	209,239	40	95.87	
Cd	111	103	He	97.292	ppb	2.7	82,240	100	97.29	
[Cd]	111	103	NoGas	83.312	ppb	8.9	166,201	100	83.31	> +/- 10%
Sb	121	103	He	38.589	ppb	2.3	100,027	40	96.47	
Ba	138	159	He	83.808	ppb	3.1	572,771	100	83.81	> +/- 10%
Hg	201	159	NoGas	632.123	ppt	6.2	592	800	79.02	> +/- 10%
Tl	205	159	He	28.761	ppb	3.2	343,784	40	71.9	> +/- 10%
Pb	208	159	NoGas	92.309	ppb	4.9	1,861,480	100	92.31	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.2	1,160,423	1229359.47666667	94.4	
Sc	45	H2	Analog	2.0	3,280,863	3591937.89666667	91.3	
Sc	45	He	Pulse	1.9	500,433	612710.146666667	81.7	
Sc	45	NoGas	Analog	5.5	4,141,461	4468445.58666667	92.7	
Ge	74	H2	Pulse	1.3	855,842	1120884.48333333	76.4	
Ge	74	He	Pulse	1.3	267,297	330363.863333333	80.9	
Ge	74	NoGas	Analog	5.2	1,043,578	1108567.33333333	94.1	
Rh	103	He	Pulse	1.7	561,667	717764.703333333	78.3	
Rh	103	NoGas	Analog	6.9	1,051,725	1140608.58666667	92.2	
Tb	159	He	Analog	2.3	1,059,193	1026648.59333333	103.2	
Tb	159	NoGas	Analog	5.3	1,697,554	1778362.84	95.5	
Bi	209	He	Pulse	1.7	456,220	593063.546666667	76.9	
Bi	209	NoGas	Mix	22.1	729,458	902652.31	80.8	Note RSD: OK < 20%

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E08027-CCBA	Total Dilution: 1.0000
File Name: 152_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type: CCB
Acq Time: 5/8/2020 22:06:24	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.023	ppb	21.3	112	
Na	23	45	He	2.076	ppb	17.3	20,058	
Mg	24	45	He	-0.105	ppb	N/A	2,356	
Al	27	45	He	0.823	ppb	58.0	940	
K	39	45	He	3.990	ppb	54.4	69,749	
Ca	44	45	H2	-0.849	ppb	N/A	2,137	
[Ca]	44	45	He	0.597	ppb	273.9	681	
Ti	47	45	NoGas	-0.088	ppb	N/A	133	
V	51	74	He	0.188	ppb	7.2	2,373	
Cr	52	74	He	0.000	ppb	5892.4	581	
Mn	55	74	He	-0.004	ppb	N/A	253	
Fe	56	74	H2	-1.071	ppb	N/A	42,684	
Co	59	74	He	0.023	ppb	38.9	320	
Ni	60	74	He	-0.023	ppb	N/A	213	
Cu	65	74	He	0.012	ppb	63.5	129	
Zn	66	74	He	0.032	ppb	68.7	134	
As	75	74	He	0.056	ppb	27.0	64	
Se	78	74	H2	0.044	ppb	50.2	21	
Mo	95	103	He	0.030	ppb	43.0	84	
Ag	107	103	He	0.015	ppb	81.0	87	
Cd	111	103	He	0.048	ppb	24.9	41	
[Cd]	111	103	NoGas	0.020	ppb	50.6	49	
Sb	121	103	He	0.231	ppb	14.6	627	
Ba	138	159	He	0.013	ppb	79.4	343	
Hg	201	159	NoGas	1.687	ppt	49.2	12	
Tl	205	159	He	0.016	ppb	23.8	218	
Pb	208	159	NoGas	0.018	ppb	25.3	631	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	2.5	1,147,065	1229359.47666667	93.3	
Sc	45	H2	Analog	1.0	3,269,293	3591937.89666667	91.0	
Sc	45	He	Pulse	1.7	491,373	612710.14666667	80.2	
Sc	45	NoGas	Analog	3.5	4,196,509	4468445.58666667	93.9	
Ge	74	H2	Mix	13.1	990,443	1120884.48333333	88.4	
Ge	74	He	Pulse	1.2	260,216	330363.86333333	78.8	
Ge	74	NoGas	Analog	2.2	1,074,959	1108567.33333333	97.0	
Rh	103	He	Pulse	1.3	555,123	717764.70333333	77.3	
Rh	103	NoGas	Analog	2.3	1,093,478	1140608.58666667	95.9	
Tb	159	He	Analog	0.1	1,039,564	1026648.59333333	101.3	
Tb	159	NoGas	Analog	2.0	1,718,322	1778362.84	96.6	
Bi	209	He	Pulse	1.2	442,244	593063.54666667	74.6	
Bi	209	NoGas	Pulse	3.3	650,006	902652.31	72.0	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRLD	Total Dilution:	1.0000
File Name:	153CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL1
Acq Time:	5/8/2020 22:11:32	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.163	ppb	6.4	584	90.56	
Na	23	45	He	9.178	ppb	11.6	31,004	101.98	
Mg	24	45	He	7.620	ppb	6.2	8,761	84.67	
Al	27	45	He	8.765	ppb	6.7	4,524	97.39	
K	39	45	He	7.745	ppb	29.4	72,899	86.06	
Ca	44	45	H2	42.088	ppb	10.7	15,048	77.94	
[Ca]	44	45	He	52.796	ppb	9.5	2,474	97.77	
Ti	47	45	NoGas	0.075	ppb	80.7	352	41.67	R-11
V	51	74	He	0.327	ppb	5.5	2,985	181.67	R-11
Cr	52	74	He	0.162	ppb	25.5	1,356	90	
Mn	55	74	He	0.153	ppb	24.1	789	85	
Fe	56	74	H2	4.497	ppb	37.5	130,697	49.97	R-11
Co	59	74	He	0.171	ppb	3.5	1,265	95	
Ni	60	74	He	0.063	ppb	84.2	344	35	R-11
Cu	65	74	He	0.166	ppb	28.7	399	92.22	
Zn	66	74	He	0.119	ppb	21.2	194	66.11	R-11
As	75	74	He	0.188	ppb	13.0	128	104.44	
Se	78	74	H2	0.172	ppb	39.7	64	95.56	
Mo	95	103	He	0.175	ppb	14.3	373	97.22	
Ag	107	103	He	0.167	ppb	9.0	909	92.78	
Cd	111	103	He	0.156	ppb	11.5	133	86.67	
[Cd]	111	103	NoGas	0.128	ppb	16.3	275	71.11	
Sb	121	103	He	0.249	ppb	5.9	676	138.33	R-11
Ba	138	159	He	0.124	ppb	14.1	1,106	68.89	R-11
Hg	201	159	NoGas	3.431	ppt	19.9	13	47.65	R-11
Tl	205	159	He	0.132	ppb	7.2	1,605	73.33	
Pb	208	159	NoGas	0.143	ppb	2.5	3,159	79.44	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Rel CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.6	1,161,901	1229359.47666667	94.5	
Sc	45	H2	Analog	7.9	3,538,422	3591937.89666667	98.5	
Sc	45	He	Pulse	3.4	495,642	612710.146666667	80.9	
Sc	45	NoGas	Analog	1.4	4,138,678	4468445.58666667	92.6	
Ge	74	H2	Mix	17.0	1,055,820	1120884.48333333	94.2	Note RSD; OK < 20%
Ge	74	He	Pulse	2.8	260,650	330363.863333333	78.9	
Ge	74	NoGas	Analog	1.0	1,079,293	1108567.33333333	97.4	
Rh	103	He	Pulse	3.8	557,615	717764.703333333	77.7	
Rh	103	NoGas	Analog	2.3	1,096,524	1140608.58666667	96.1	
Tb	159	He	Analog	5.0	1,056,397	1026648.59333333	102.9	
Tb	159	NoGas	Analog	1.2	1,703,457	1778362.84	95.8	
Bi	209	He	Pulse	3.0	444,218	593063.546666667	74.9	
Bi	209	NoGas	Pulse	0.7	644,621	902652.31	71.4	

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRLE	Total Dilution:	1.0000
File Name:	154_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH\1\DATA\0E08027.b	Sample Type:	CRL2
Acq Time:	5/8/2020 22:16:38	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.861	ppb	1.8	3,021	95.67	
Na	23	45	He	44.717	ppb	2.7	87,162	99.37	
Mg	24	45	He	43.623	ppb	0.8	39,504	96.94	
Al	27	45	He	44.999	ppb	3.5	21,364	100	
K	39	45	He	41.764	ppb	4.3	98,517	92.81	
Ca	44	45	H2	240.709	ppb	6.2	71,013	89.15	
[Ca]	44	45	He	267.470	ppb	4.1	10,075	99.06	
Ti	47	45	NoGas	0.643	ppb	9.4	1,178	71.44	
V	51	74	He	1.021	ppb	2.4	6,165	113.44	
Cr	52	74	He	0.915	ppb	4.2	5,103	101.67	
Mn	55	74	He	0.881	ppb	5.8	3,362	97.89	
Fe	56	74	H2	35.863	ppb	19.7	600,843	79.7	
Co	59	74	He	0.862	ppb	1.1	5,791	95.78	
Ni	60	74	He	0.812	ppb	1.6	1,508	90.22	
Cu	65	74	He	0.862	ppb	3.8	1,662	95.78	
Zn	66	74	He	0.811	ppb	13.0	691	90.11	
As	75	74	He	0.898	ppb	4.1	483	99.78	
Se	78	74	H2	0.844	ppb	16.9	288	93.78	
Mo	95	103	He	0.910	ppb	5.5	1,880	101.11	
Ag	107	103	He	0.859	ppb	3.7	4,766	95.44	
Cd	111	103	He	0.837	ppb	1.7	721	93	
[Cd]	111	103	NoGas	0.667	ppb	3.3	1,455	74.11	
Sb	121	103	He	0.900	ppb	2.1	2,406	100	
Ba	138	159	He	0.677	ppb	1.2	5,073	75.22	
Hg	201	159	NoGas	24.964	ppt	19.1	35	69.34	R-11
Tl	205	159	He	0.612	ppb	2.4	7,622	68	R-11
Pb	208	159	NoGas	0.681	ppb	1.9	14,943	75.67	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.2	1,195,854	1229359.47666667	97.3	
Sc	45	H2	Analog	5.1	3,387,258	3591937.89666667	94.3	
Sc	45	He	Pulse	1.0	507,817	612710.146666667	82.9	
Sc	45	NoGas	Analog	2.2	4,388,267	4468445.58666667	98.2	
Ge	74	H2	Mix	15.4	1,029,709	1120884.483333333	91.9	Note RSD; OK < 20%
Ge	74	He	Pulse	1.0	266,663	330363.863333333	80.7	
Ge	74	NoGas	Analog	2.4	1,130,456	1108567.333333333	102.0	
Rh	103	He	Pulse	0.8	570,823	717764.703333333	79.5	
Rh	103	NoGas	Analog	2.5	1,139,883	1140608.58666667	99.9	
Tb	159	He	Analog	1.8	1,099,382	1026648.593333333	107.1	
Tb	159	NoGas	Analog	0.8	1,810,357	1778362.84	101.8	
Bi	209	He	Pulse	1.3	457,714	593063.546666667	77.2	
Bi	209	NoGas	Mix	21.8	765,578	902652.31	84.8	Note RSD; OK < 20%

CRL Verification Report - ICPMS5

Sample Name: 0E08027-CRLF	Total Dilution: 1.0000
File Name: 155CRL_d	Vial: 1104
File Path: C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type: CRL3
Acq Time: 5/8/2020 22:21:43	I.S. Reference File: 008CALB.d
Comment: A20D397 KT 5/8	Last Calibration: 05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.661	ppb	3.6	5,645	92.28	
Na	23	45	He	90.521	ppb	3.2	156,974	100.58	
Mg	24	45	He	88.789	ppb	3.7	77,019	98.65	
Al	27	45	He	91.673	ppb	2.5	42,497	101.86	
K	39	45	He	90.233	µpb	7.3	131,117	100.26	
Ca	44	45	H2	487.821	ppb	4.2	140,540	90.34	
[Ca]	44	45	He	553.201	ppb	6.3	19,904	102.44	
Ti	47	45	NoGas	1.406	ppb	6.2	2,212	78.11	
V	51	74	He	1.947	ppb	4.8	10,245	108.17	
Cr	52	74	He	1.772	ppb	2.9	9,254	98.44	
Mn	55	74	He	1.799	ppb	2.6	6,530	99.94	
Fe	56	74	H2	84.602	ppb	3.4	1,413,924	94	
Co	59	74	He	1.779	ppb	4.2	11,674	98.83	
Ni	60	74	He	1.630	ppb	5.8	2,750	90.56	
Cu	65	74	He	1.848	ppb	8.1	3,414	102.67	
Zn	66	74	He	1.789	ppb	9.7	1,375	99.39	
As	75	74	He	1.675	ppb	4.6	863	93.06	
Se	78	74	H2	1.510	ppb	1.6	539	83.89	
Mo	95	103	He	1.732	ppb	7.9	3,516	96.22	
Ag	107	103	He	1.642	ppb	5.4	9,017	91.22	
Cd	111	103	He	1.717	ppb	0.8	1,463	95.39	
[Cd]	111	103	NoGas	1.415	µpb	7.0	3,022	78.61	
Sb	121	103	He	1.698	ppb	4.1	4,464	94.33	
Ba	138	159	He	1.407	ppb	3.2	10,192	78.17	
Hg	201	159	NoGas	53.525	ppi	15.6	61	74.34	
Tl	205	159	He	1.212	ppb	3.2	14,982	67.33	R-11
Pb	208	159	NoGas	1.370	ppb	3.2	28,788	76.11	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Rel CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.3	1,166,774	1229359.47666667	94.9	
Sc	45	H2	Analog	3.1	3,362,775	3591937.89666667	93.6	
Sc	45	He	Pulse	2.6	503,062	612710.146666667	82.1	
Sc	45	NoGas	Analog	3.5	4,292,203	4468445.58666667	96.1	
Ge	74	H2	Analog	3.1	1,071,031	1120884.48333333	95.6	
Ge	74	He	Pulse	2.0	264,890	330363.863333333	80.2	
Ge	74	NoGas	Analog	2.4	1,094,158	1108567.33333333	98.7	
Rh	103	He	Pulse	3.0	565,481	717764.703333333	78.8	
Rh	103	NoGas	Analog	3.1	1,119,220	1140608.58666667	98.1	
Tb	159	He	Analog	2.7	1,093,296	1026648.59333333	106.5	
Tb	159	NoGas	Analog	3.2	1,749,809	1778362.84	98.4	
Bi	209	He	Pulse	2.1	454,003	593063.546666667	76.6	
Bi	209	NoGas	Mix	20.1	779,470	902652.31	86.4	Note RSD; OK < 20%

CRL Verification Report - ICPMS5

Sample Name:	0E08027-CRLG	Total Dilution:	1.0000
File Name:	156CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH1\DATA\0E08027.b	Sample Type:	CRL4
Acq Time:	5/8/2020 22:26:48	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/8	Last Calibration:	05/08/2020 15:18:25

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.267	ppb	5.0	11,100	90.75	
Na	23	45	He	184.581	ppb	1.0	290,951	102.54	
Mg	24	45	He	182.461	ppb	0.8	149,919	101.37	
Al	27	45	He	184.460	ppb	1.3	81,779	102.48	
K	39	45	He	185.011	ppb	2.0	189,526	102.78	
Ca	44	45	H2	964.932	ppb	0.4	268,498	89.35	
[Ca]	44	45	He	1092.502	ppb	2.3	37,241	101.16	
Ti	47	45	NoGas	2.802	ppb	5.0	4,167	77.83	
V	51	74	He	3.780	ppb	2.3	17,809	105	
Cr	52	74	He	3.624	ppb	0.8	17,723	100.67	
Mn	55	74	He	3.629	ppb	2.8	12,481	100.81	
Fe	56	74	H2	214.658	ppb	0.1	2,749,492	119.25	
Co	59	74	He	3.431	ppb	1.7	21,635	95.31	
Ni	60	74	He	3.473	ppb	1.9	5,396	96.47	
Cu	65	74	He	3.745	ppb	1.1	6,592	104.03	
Zn	66	74	He	3.613	ppb	2.2	2,576	100.36	
As	75	74	He	3.469	ppb	1.5	1,691	96.36	
Se	78	74	H2	3.763	ppb	5.5	1,050	104.53	
Mo	95	103	He	3.512	ppb	4.4	6,893	97.56	
Ag	107	103	He	3.421	ppb	1.1	18,220	95.03	
Cd	111	103	He	3.588	ppb	1.0	2,962	99.67	
[Cd]	111	103	NoGas	2.737	ppb	7.3	5,820	76.03	
Sb	121	103	He	3.551	ppb	4.0	9,015	98.64	
Ba	138	159	He	3.005	ppb	2.3	20,020	83.47	
Hg	201	159	NoGas	94.608	ppt	12.2	101	65.7	R-11
Tl	205	159	He	2.524	ppb	2.2	29,081	70.11	
Pb	208	159	NoGas	2.597	ppb	9.0	54,685	72.14	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Rel CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.3	1,170,741	1229359.47666667	95.2	
Sc	45	H2	Analog	0.6	3,273,233	3591937.89666667	91.1	
Sc	45	He	Pulse	0.9	484,311	612710.146666667	79.0	
Sc	45	NoGas	Analog	5.9	4,304,139	4468445.58666667	96.3	
Ge	74	H2	Pulse	0.2	843,342	1120884.48333333	75.2	
Ge	74	He	Pulse	0.3	256,254	330363.863333333	77.6	
Ge	74	NoGas	Analog	3.6	1,092,572	1108567.33333333	98.6	
Rh	103	He	Pulse	0.3	548,031	717764.703333333	76.4	
Rh	103	NoGas	Analog	5.8	1,118,395	1140608.58666667	98.1	
Tb	159	He	Analog	1.3	1,019,581	1026648.59333333	99.3	
Tb	159	NoGas	Analog	6.4	1,767,654	1778362.84	99.4	
Bi	209	He	Pulse	0.9	438,499	593063.546666667	73.9	
Bi	209	NoGas	Mix	26.2	760,204	902652.31	84.2	Note RSD; OK < 20%

**Total Metals by EPA 6020A (ICPMS)
Benchsheet Data and Analysis (Including Calibration)**

Batch 0050448
Sequence 0E14035



As (Arsenic) - 6020 - Total

PREPARATION BENCH SHEET

0050448

JUN 02 2020

Apex Laboratories
BATCH #: 0050448 (Sediment)
Prep Method: EPA 3051A

Lab Number	Due	Prepared	Initial (g)	Final (mL)	Client	ClientID / Sample	Extraction Comments
0050448-BLK1		05/12/20 13:36	0.59	50	QC Sample		
0050448-BS1		05/12/20 13:36	0.5	50	QC Sample		
Spike 1: 2500 uL of A20E022		Spike 2: 250 uL of A20D274					
A0D0763-12	05/12/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-061SC-B-08-9-9-20042	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-03	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-068SC-B-00-02-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-04	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-068SC-B-02-05-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-05	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-068SC-B-05-07-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-06	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-068SC-B-07-10-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-07	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-068SC-B-10-12-3-2004	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-11	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-072SC-B-00-02-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-12	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-072SC-B-02-04-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-13	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-072SC-B-04-06-200430	MS/MSD
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
0050448-MS1		05/12/20 13:36	0.59	50	QC Sample		
Source: A0E0004-13		Spike 1: 2500 uL of A20E022		Spike 2: 250 uL of A20D274			
0050448-MSD1		05/12/20 13:36	0.59	50	QC Sample		
Source: A0E0004-13		Spike 1: 2500 uL of A20E022		Spike 2: 250 uL of A20D274			
A0E0004-14	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-072SC-B-06-08-200430	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-15	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-072SC-B-08-9-5-200431	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							
A0E0004-16	05/13/20	05/12/20 13:36	0.59	50	Anchor QEA, LLC	PDI-1072SC-B-02-04-20043	
<input type="checkbox"/> As (Arsenic) - 6020 - Total							

Prepared By: MSG Date: 5/12/20

Reviewed By: James L. Johnson Date: 05/14/20

Lab Number	Due	Prepared	Initial (g)	Final (mL)	Client	ClientID / Sample	Extraction Comments
------------	-----	----------	-------------	------------	--------	-------------------	---------------------

Standards/Reagents

Reagent(s)		
Std ID	Exp. Date	Description
A13L213	11/30/23	Metals Prep Balance 2
A20A350	07/10/20	30% hydrogen peroxide
A20B344	02/25/22	Conc. HCl - Omnitrace
A20D220	10/12/20	Conc. HNO ₃ - Omnitrace

Analyte Spike(s)		
Std ID	Exp. Date	Description
A20D274	10/14/20	Hg Spiking Standard
A20E022	07/09/20	**Combo Spike** A+B+C

MSG 5/12/20
 A) A20E010 } 1250 µL
 B) A20C366 } 625 µL
 C) A20C367 } 625 µL
 ↓

Digestion time and temperature achieved?

Initials: MSG yes

 Prepared By: MSG Date: 5/12/20

 Reviewed By: _____ Date: _____

Batch #: 50448

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% sample loss.

Date: 5/12/2020

Prepared by: MJG

#	Mars Tube ID	Sample ID	Pre-digestion Vessel + Sample Wt. (g)	Post-digestion Vessel + Sample Wt. (g)	Sample Wt. Loss (%)* <i>Formula only used if sample loss >0.2g</i>
1	S18	0050448-BLK1	186.00	185.98	0.05%
2	S15	0050448-BS1	184.56	184.55	0.06%
3	S82	A0D0763-12	185.47	185.45	0.05%
4	S19	A0E0004-03	185.61	185.60	0.05%
5	S8	A0E0004-04	187.26	187.16	0.35%
6	S104	A0E0004-05	189.05	189.04	0.04%
7	S39	A0E0004-06	185.96	185.95	0.07%
8	S6	A0E0004-07	186.65	186.63	0.06%
9	S14	A0E0004-11	186.14	186.13	0.05%
10	S76	A0E0004-12	186.47	186.46	0.05%
11	S4	A0E0004-13	189.87	189.86	0.05%
12	S61	0050448-MS1	184.87	184.85	0.05%
13	S54	0050448-MSD1	185.20	185.18	0.05%
14	S31	A0E0004-14	185.10	185.08	0.06%
15	S16	A0E0004-15	186.70	186.69	0.06%
16	S64	A0E0004-16	189.43	189.41	0.04%
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

*Example Calculation: $(\text{Pre(g)} - \text{Post(g)}) / (\text{Post(g)} - 159.32\text{g})$ This represents the mean weight of the empty digestion vessels. By factoring in the mean digestion vessel weight, we observe weight loss from only the sample, rather than as a percentage of the sample+vessel weight.

Run Data

Method: US EPA 3051

Date/Time: 05/12/2020 14:53

Time	Temperature (°C)
00:00	120
00:30	141
01:00	145
01:30	147
02:00	150
02:30	152
03:00	155
03:30	157
04:00	160
04:30	162
05:00	165
05:30	169
06:00	170
06:30	171
07:00	172
07:30	173
08:00	174
08:30	174
09:00	173
09:30	173
10:00	173

← I witnessed temp made at start of 4.5 min run. MJG 5/12/20

---- End Stage 1 ----

nd Stage

Run Data

Method: US EPA 3051

Date/Time: 05/12/2020 14:53

	Vessel	Temp
	1	✓
	2	✓
	3	✓
	4	✓
	5	✗ - 159
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓

Data

id. U

Time 10

Data

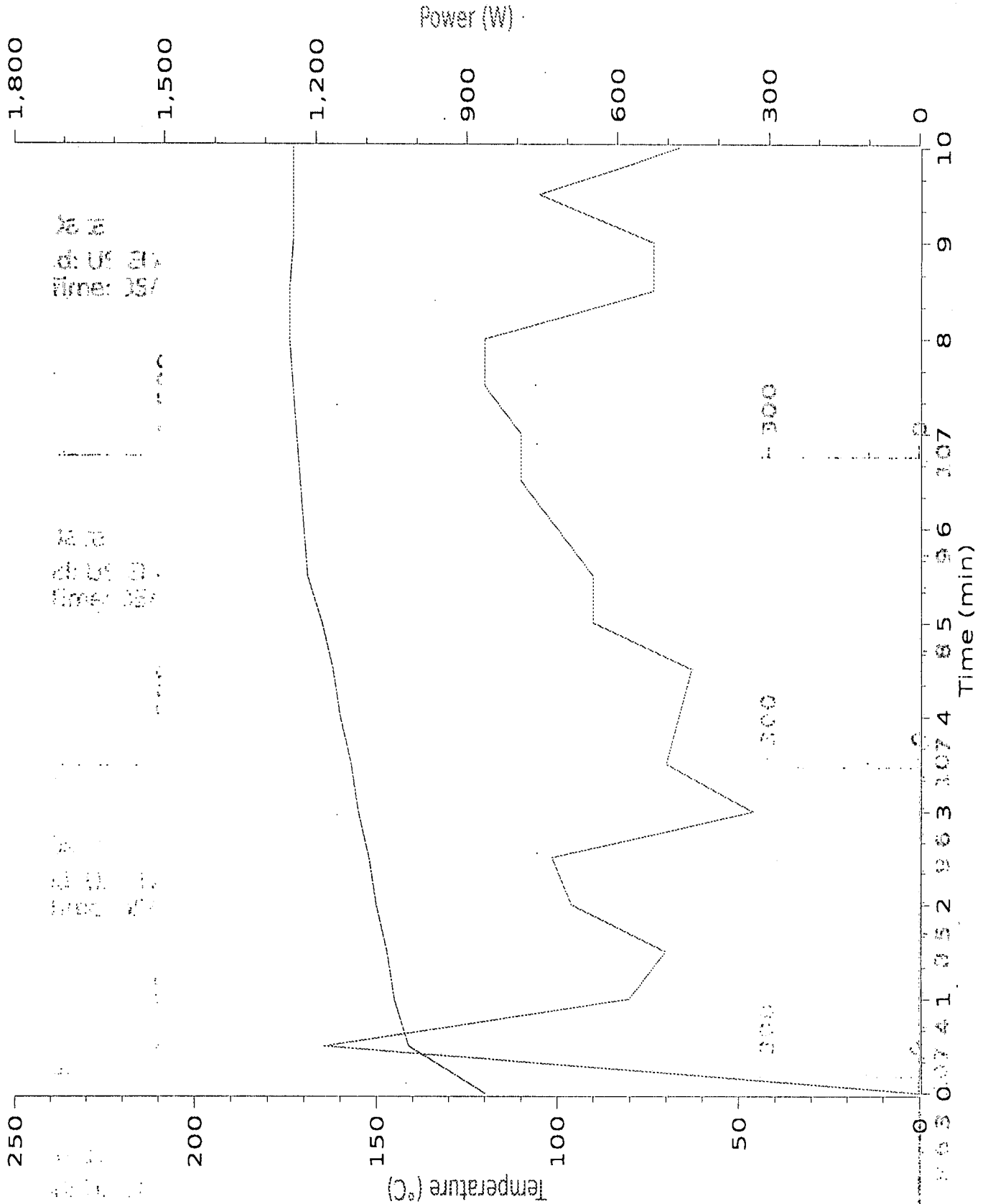
id. U

Time 10

Run Data

Method: US EPA 3051

Date/Time: 05/12/2020 14:53





ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0E14035**

Instrument: **ICPMS5**

Date: **05/14/20 08:17**

Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E14035-CAL1	Water	QC	QC			A20A391	A20D395
2	0E14035-CAL2	Water	QC	QC			A20A391	A20D396
3	0E14035-CAL3	Water	QC	QC			A20A391	A20D397
4	0E14035-CAL4	Water	QC	QC			A20A391	A20D398
5	0E14035-CAL5	Water	QC	QC			A20A391	A20D399
6	0E14035-CAL6	Water	QC	QC			A20A391	A20D400
7	0E14035-CAL7	Water	QC	QC			A20A391	A20D401
8	0E14035-CAL8	Water	QC	QC			A20A391	A20D402
9	0E14035-CAL9	Water	QC	QC			A20A391	A20E080
10	0E14035-ICV1	Water	QC	QC			A20A391	A20E094
11	0E14035-ICB1	Water	QC	QC			A20A391	
12	0E14035-CRL1	Water	QC	QC			A20A391	A20D395
13	0E14035-CRL2	Water	QC	QC			A20A391	A20D396
14	0E14035-CRL3	Water	QC	QC			A20A391	A20D397
15	0E14035-CRL4	Water	QC	QC			A20A391	A20D398
16	0E14035-IFA1	Water	QC	QC			A20A391	A20E090
17	0E14035-IFB1	Water	QC	QC			A20A391	A20E091
18	A0E0004-13RE1	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/13/20	0050448	A20A391	
19	0050448-MS2	Sediment	QC	QC		0050448	A20A391	
20	0050448-MSD2	Sediment	QC	QC		0050448	A20A391	
21	A0E0004-14RE1	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/13/20	0050448	A20A391	
22	0050522-BLK1	Solid	QC	QC		0050522	A20A391	
23	0050522-BS1	Solid	QC	QC		0050522	A20A391	
24	A0E0076-01	Solid	Ag (Silver) - 6020 - TCLP		05/14/20	0050522	A20A391	
25	"	Solid	As (Arsenic) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
26	"	Solid	Ba (Barium) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
27	"	Solid	Cd (Cadmium) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
28	"	Solid	Cr (Chromium) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
29	"	Solid	Hg (Mercury) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
30	"	Solid	Pb (Lead) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
31	"	Solid	Se (Selenium) - 6020 - TCLP	"	05/14/20	0050522	A20A391	
32	0050522-MS1	Solid	QC	QC		0050522	A20A391	
33	0050509-BLK1	Soil	QC	QC		0050509	A20A391	
34	0E14035-CCV1	Water	QC	QC			A20A391	A20E094
35	0E14035-CCB1	Water	QC	QC			A20A391	
36	0050509-BLK2	Soil	QC	QC		0050509	A20A391	
37	0050509-BS1	Soil	QC	QC		0050509	A20A391	
38	A0E0066-01	Soil	Ag (Silver) - 6020 - Total		05/15/20	0050509	A20A391	
39	"	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050509	A20A391	
40	"	Soil	Ba (Barium) - 6020 - Total	"	05/15/20	0050509	A20A391	
41	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
42	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
43	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
44	"	Soil	Hg (Mercury) - 6020 - Total	"	05/15/20	0050509	A20A391	
45	"	Soil	Ni (Nickel) - 6020 - Total	"	05/15/20	0050509	A20A391	
46	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
47	"	Soil	Se (Selenium) - 6020 - Total	"	05/15/20	0050509	A20A391	
48	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
49	A0E0066-02	Soil	Ag (Silver) - 6020 - Total		05/15/20	0050509	A20A391	
50	"	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050509	A20A391	
51	"	Soil	Ba (Barium) - 6020 - Total	"	05/15/20	0050509	A20A391	

Sequence:

0E14035

Instrument:

ICPMS5

Date:

05/14/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
53	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
54	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
55	"	Soil	Hg (Mercury) - 6020 - Total	"	05/15/20	0050509	A20A391	
56	"	Soil	Ni (Nickel) - 6020 - Total	"	05/15/20	0050509	A20A391	
57	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
58	"	Soil	Se (Selenium) - 6020 - Total	"	05/15/20	0050509	A20A391	
59	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
60	A0E0066-03	Soil	Ag (Silver) - 6020 - Total	"	05/15/20	0050509	A20A391	
61	"	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050509	A20A391	
62	"	Soil	Ba (Barium) - 6020 - Total	"	05/15/20	0050509	A20A391	
63	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
64	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
65	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
66	"	Soil	Hg (Mercury) - 6020 - Total	"	05/15/20	0050509	A20A391	
67	"	Soil	Ni (Nickel) - 6020 - Total	"	05/15/20	0050509	A20A391	
68	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
69	"	Soil	Se (Selenium) - 6020 - Total	"	05/15/20	0050509	A20A391	
70	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
71	A0E0078-08	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
72	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
73	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
74	A0E0078-10	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
75	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
76	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
77	A0E0078-12	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
78	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
79	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
80	A0E0101-03	Soil	Ag (Silver) - 6020 - Total	(QC Source)		0050509	A20A391	
81	"	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050509	A20A391	
82	"	Soil	Ba (Barium) - 6020 - Total	(QC Source)		0050509	A20A391	
83	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
84	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
85	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
86	"	Soil	Hg (Mercury) - 6020 - Total	(QC Source)		0050509	A20A391	
87	"	Soil	Ni (Nickel) - 6020 - Total	(QC Source)		0050509	A20A391	
88	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
89	"	Soil	Se (Selenium) - 6020 - Total	(QC Source)		0050509	A20A391	
90	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
91	0050509-DUP1	Soil	QC	QC		0050509	A20A391	
92	0E14035-CCV2	Water	QC	QC			A20A391	A20E094
93	0E14035-CCV3	Water	QC	QC			A20A391	A20E094
94	0E14035-CCB2	Water	QC	QC			A20A391	
95	0E14035-CRL5	Water	QC	QC			A20A391	A20D395
96	0E14035-CRL6	Water	QC	QC			A20A391	A20D396
97	0E14035-CRL7	Water	QC	QC			A20A391	A20D397
98	0E14035-CRL8	Water	QC	QC			A20A391	A20D398
99	0050509-DUP2	Soil	QC	QC		0050509	A20A391	
100	0050509-MS1	Soil	QC	QC		0050509	A20A391	
101	A0E0101-06	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050509	A20A391	
102	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
103	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
104	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
105	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
106	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	

Sequence:

0E14035

Instrument:

ICPMS5

Date:

05/14/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
107	A0E0101-09	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
108	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
109	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
110	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
111	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
112	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
113	A0E0101-12	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
114	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
115	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
116	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
117	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
118	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
119	A0E0101-15	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
120	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
121	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
122	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
123	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
124	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
125	A0E0101-18	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
126	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
127	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
128	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
129	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
130	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
131	A0E0101-21	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
132	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
133	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
134	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
135	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
136	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
137	A0E0101-24	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
138	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
139	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
140	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
141	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
142	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
143	0E14035-CCV4	Water	QC	QC			A20A391	A20E094
144	0E14035-CCV5	Water	QC	QC			A20A391	A20E094
145	0E14035-CCB3	Water	QC	QC			A20A391	
146	A0E0101-27	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
147	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
148	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
149	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
150	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
151	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
152	A0E0101-30	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
153	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
154	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
155	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
156	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
157	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
158	A0E0101-33	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	
159	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
160	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
161	"	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050509	A20A391	

Sequence:

0E14035

Instrument:

ICPMS5

Date:

05/14/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
162	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
163	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
164	A0E0101-36	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050509	A20A391	
165	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050509	A20A391	
166	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050509	A20A391	
167	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050509	A20A391	
168	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050509	A20A391	
169	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050509	A20A391	
170	A0E0333-01	Soil	Ag (Silver) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
171	"	Soil	As (Arsenic) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
172	"	Soil	Ba (Barium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
173	"	Soil	Cd (Cadmium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
174	"	Soil	Cr (Chromium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
175	"	Soil	Hg (Mercury) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
176	"	Soil	Pb (Lead) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
177	"	Soil	Se (Selenium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
178	0E14035-CCV6	Water	QC	QC			A20A391	A20E094
179	0E14035-CCV7	Water	QC	QC			A20A391	A20E094
180	0E14035-CCB4	Water	QC	QC			A20A391	
181	A0E0333-02	Soil	Ag (Silver) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
182	"	Soil	As (Arsenic) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
183	"	Soil	Ba (Barium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
184	"	Soil	Cd (Cadmium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
185	"	Soil	Cr (Chromium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
186	"	Soil	Hg (Mercury) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
187	"	Soil	Pb (Lead) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
188	"	Soil	Se (Selenium) - 6020 - TCLP	"	05/15/20	0050521	A20A391	
189	0050521-MS2	Soil	QC	QC		0050521	A20A391	
190	0050448-BLK2	Sediment	QC	QC		0050448	A20A391	
191	0050448-BS2	Sediment	QC	QC		0050448	A20A391	
192	A0D0763-12RE1	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/12/20	0050448	A20A391	
193	A0E0004-03RE1	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/13/20	0050448	A20A391	
194	A0E0004-04RE1	Sediment	As (Arsenic) - 6020 - Total	Anchor QEA, LLC	05/13/20	0050448	A20A391	
195	0E14035-CCV8	Water	QC	QC			A20A391	A20E094
196	0E14035-CCB5	Water	QC	QC			A20A391	
197	0E14035-CCV9	Water	QC	QC			A20A391	A20E094
198	0E14035-CCB6	Water	QC	QC			A20A391	
199	0E14035-CRL9	Water	QC	QC			A20A391	A20D395
200	0E14035-CRLA	Water	QC	QC			A20A391	A20D396
201	0E14035-CRLB	Water	QC	QC			A20A391	A20D397
202	0E14035-CRLC	Water	QC	QC			A20A391	A20D398
203	0050526-BLK1	Soil	QC	QC		0050526	A20A391	
204	0050526-BLK2	Soil	QC	QC		0050526	A20A391	
205	0050526-BS1	Soil	QC	QC		0050526	A20A391	
206	A0E0078-14	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
207	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
208	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
209	A0E0078-20	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
210	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
211	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
212	A0E0104-03	Soil	As (Arsenic) - 6020 - Total	"	05/15/20	0050526	A20A391	
213	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
214	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
215	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
216	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	

Sequence:

0E14035

Instrument:

ICPMS5

Date:

05/14/20 08:17

Calibration:

UNASSIGNED

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
217	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
218	0050526-DUP1	Soil	QC	QC		0050526	A20A391	
219	0050526-DUP2	Soil	QC	QC		0050526	A20A391	
220	0050526-MS1	Soil	QC	QC		0050526	A20A391	
221	0E14035-CCVA	Water	QC	QC			A20A391	A20E094
222	0E14035-CCB7	Water	QC	QC			A20A391	
223	A0E0104-21	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050526	A20A391	
224	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
225	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
226	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
227	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
228	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
229	A0E0104-24	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050526	A20A391	
230	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
231	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
232	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
233	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
234	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
235	A0E0104-27	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050526	A20A391	
236	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
237	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
238	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
239	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
240	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
241	A0E0104-30	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050526	A20A391	
242	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
243	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
244	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
245	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
246	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
247	A0E0104-33	Soil	As (Arsenic) - 6020 - Total		05/15/20	0050526	A20A391	
248	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
249	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
250	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
251	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
252	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
253	A0E0104-36	Soil	As (Arsenic) - 6020 - Total		5/15/20	0050526	A20A391	
254	"	Soil	Cd (Cadmium) - 6020 - Total	"	05/15/20	0050526	A20A391	
255	"	Soil	Cr (Chromium) - 6020 - Total	"	05/15/20	0050526	A20A391	
256	"	Soil	Cu (Copper) - 6020 - Total	"	05/15/20	0050526	A20A391	
257	"	Soil	Pb (Lead) - 6020 - Total	"	05/15/20	0050526	A20A391	
258	"	Soil	Zn (Zinc) - 6020 - Total	"	05/15/20	0050526	A20A391	
259	0E14035-CCVB	Water	QC	QC			A20A391	A20E094
260	0E14035-CCB8	Water	QC	QC			A20A391	
261	A0E0118-03	Soil	Pb (Lead) - 6020 - Total		05/15/20	0050526	A20A391	
262	0E14035-CCVC	Water	QC	QC			A20A391	A20E094
263	0E14035-CCB9	Water	QC	QC			A20A391	
264	0E14035-CRLD	Water	QC	QC			A20A391	A20D395
265	0E14035-CRLE	Water	QC	QC			A20A391	A20D396
266	0E14035-CRLF	Water	QC	QC			A20A391	A20D397
267	0E14035-CRLG	Water	QC	QC			A20A391	A20D398

Sequence: 0E14035

Instrument: ICPMS5

Date: 05/14/20 08:17

Calibration: UNASSIGNED

<u>#</u>	<u>Lab Number</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Client</u>	<u>Due</u>	<u>Batch</u>	<u>ISTD ID</u>	<u>STD ID</u>
----------	-------------------	---------------	-----------------	---------------	------------	--------------	----------------	---------------

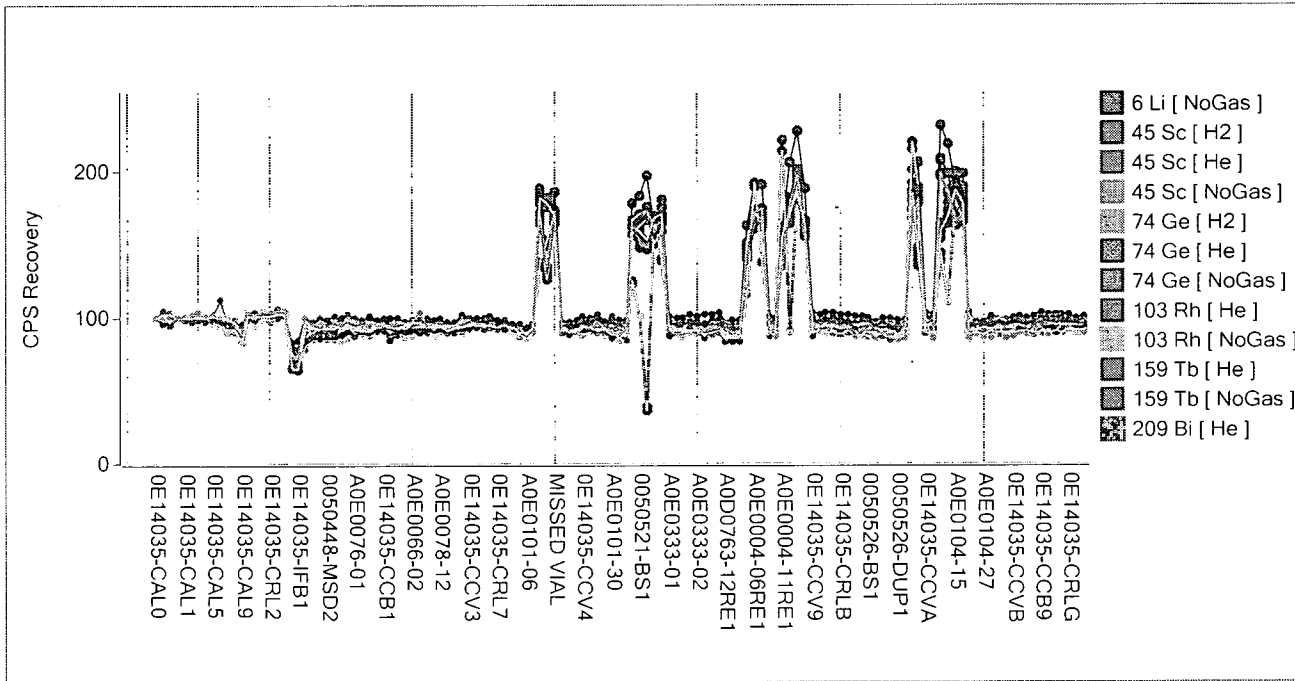
Data Entered By: KT 5/15/20

Comments:

Samples whose vials were missed by the autosampler were not uploaded nor are they in the sequence log. They will be run in the next sequence.
KT 5/15/20

Data Reviewed By: *JSJ* 05/15/20

Out of range ISTDs were caused by the autosampler missing vials.
KT 5/15/20



Tune Report

Batch Folder C:\Agilent\ICPMH\1\DATA\0E14035.b
Acq. Date-Time 5/14/2020 09:18
Report Comment 5-14-20 EPA Multi-mode Tune Report A20E026
Instrument Name 7700x JP09240003

[H2]

Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
59		6112	61122.30	1000.00	
89		27619	276185.52	1000.00	
78		20			

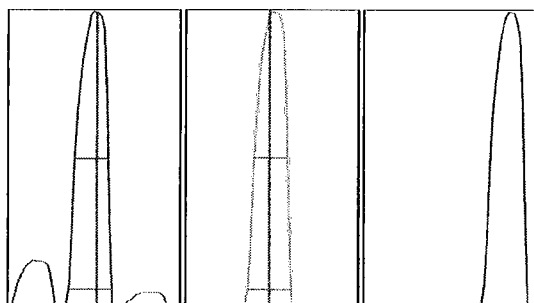
Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
59		-	
89		-	
78		-	

Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
59	0.46	5.00	
89	0.94	5.00	
78	16.11		

Mass	Background (Actual)	Background (Required)	Background (Flag)
59			
89			
78			

Mass	Rep. 1 Count	Rep. 2 Count	Rep. 3 Count	Rep. 4 Count	Rep. 5 Count
59	6122	6100	6157	6093	6088
89	27225	27501	27804	27859	27703
78	19	17	25	22	19

Integration Time [sec] 0.1



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50% (Actual)	W-50% (Required)	W-50% (Flag)
59	1129.53	59.05	58.9 - 59.1		0.57	0.754	0.900

Tune Report

89 5101.65 89.00 88.9 - 89.1 0.56 0.756 0.900
78

Integration Time [sec] 0.1 **Acquisition Time [sec]** 100.35 **Y Axis** Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	4.2 V
Omega Lens	12.0 V	Plate Bias	-60 V

Cell Parameters

Use Gas	true	OctP Bias	-18.0 V
He Flow	0.0 mL/min	OctP RF	200 V
H2 Flow	3.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

[He]

Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
59		6909	69086.16	1000.00	
89		7490	74895.96	1000.00	
205		10461	104605.48	1000.00	
75		31			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
59		-	
89		-	
205		-	
75		-	

Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
59	1.61	5.00	
89	1.44	5.00	
205	1.49	5.00	
75	15.18		

Mass	Background (Actual)	Background (Required)	Background (Flag)
59			
89			

Tune Report

205
75

Mass	Rep. 1 Count	Rep. 2 Count	Rep. 3 Count	Rep. 4 Count	Rep. 5 Count
59	7012	6948	6788	6792	7003
89	7652	7354	7461	7468	7512
205	10560	10610	10207	10440	10485
75	33	28	29	39	27

Integration Time [sec] 0.1

Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
59	1283.29	59.00	58.9 - 59.1		0.57	0.754	0.900	
89	1403.70	89.05	88.9 - 89.1		0.56	0.734	0.900	
205	2057.88	205.00	204.9 - 205.1		0.52	0.734	0.900	
75	5.50	75.05	-		0.56	0.761		

Integration Time [sec] 0.1 Acquisition Time [sec] 134.8 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	5.8 V
Omega Lens	12.0 V	Plate Bias	-60 V

Cell Parameters

Use Gas	true	OctP Bias	-18.0 V
He Flow	3.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

[NoGas]

Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
7		10631	106311.54	1000.00	
89		24033	240330.35	1000.00	
205		13756	137561.07	1000.00	
102		5			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
7			

Tune Report

89 -
205 -
102 -

Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
7	2.26	5.00	
89	0.93	5.00	
205	2.18	5.00	
102	51.87		

Mass	Background (Actual)	Background (Required)	Background (Flag)
7			
89			
205			
102			

Mass	Rep. 1 Count	Rep. 2 Count	Rep. 3 Count	Rep. 4 Count	Rep. 5 Count
7	10955	10795	10385	10445	10576
89	23897	23715	24231	24219	24104
205	13388	13488	13863	14040	14002
102	1	5	7	8	5

Integration Time [sec] 0.1

Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
7	1845.71	7.00	6.9 - 7.1		0.60	0.774	0.900	
89	4540.38	89.05	88.9 - 89.1		0.55	0.736	0.900	
205	2660.19	205.00	204.9 - 205.1		0.52	0.737	0.900	
102								

Integration Time [sec] 0.1 Acquisition Time [sec] 135.3 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	15.0 V
Omega Lens	12.0 V	Plate Bias	-55 V

Cell Parameters

Use Gas	false	OctP Bias	-8.0 V
---------	-------	-----------	--------

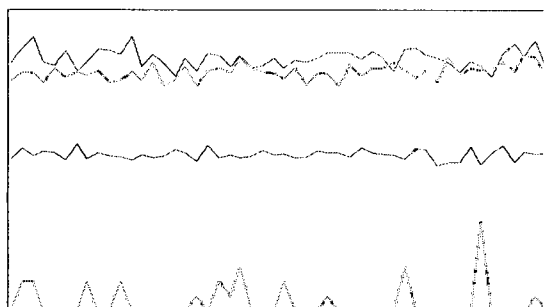
Tune Report

He Flow	0.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

Tune Report

Batch Folder C:\Agilent\ICPMH\1\DATA\0E14035.b
Acq. Date-Time 5/14/2020 09:26
Report Comment 5-14-20 General Multi-mode Tune Report A20E026
Instrument Name 7700x JP09240003

[NoGas]



Mass	Range	Count (Actual)	Response (Actual) [cps/ug/l]	Response (Required) [cps/ug/l]	Response (Flag)
7	2000	1693	16934.70	1000.00	
89	5000	4010	40096.99	1000.00	
205	5000	2617	26171.92	1000.00	
102	20	1			

Mass	Resp Ratio (Actual)	Resp Ratio (Required)	Resp Ratio (Flag)
7		-	
89		-	
205		-	
102		-	

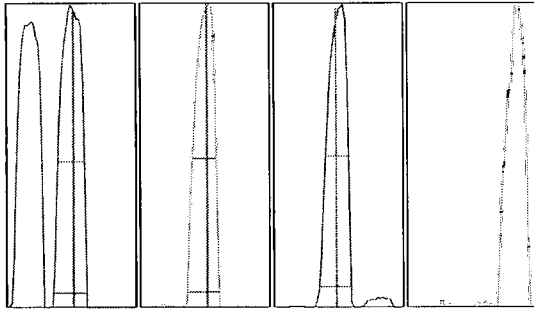
Mass	RSD% (Actual)	RSD% (Required)	RSD% (Flag)
7	3.58	5.00	
89	3.18	5.00	
205	3.18	5.00	
102	207.75		

Mass	Background (Actual)	Background (Required)	Background (Flag)
7	3.10	10	
89	3.00	10	
205	7.30	30	
102	2.30		

Ratio (oxide) 156/140 1.342 %
Ratio (2+) 69/138 1.569 %

Integration Time [sec] 0.1 **Sampling Period [sec]** 0.413

Tune Report



Mass	Peak Height	Axis (Actual)	Axis (Required)	Axis (Flag)	W-50%	W-5% (Actual)	W-5% (Required)	W-5% (Flag)
7	1723.13	7.05	6.9 - 7.1		0.60	0.774	0.900	
89	4198.98	89.05	88.9 - 89.1		0.54	0.734	0.900	
205	2718.44	205.00	204.9 - 205.1		0.52	0.739	0.900	
102	0.00	102.15	-		0.05	0.050		

Integration Time [sec] 0.1 Acquisition Time [sec] 30.12 Y Axis Linear

Tune Parameters

Plasma Parameters

RF Power	1550 W	Nebulizer Pump	0.10 rps
RF Matching	1.94 V	S/C Temp	2 °C
Smpl Depth	9.0 mm	Gas Switch	Makeup Gas
Carrier Gas	1.07 L/min	Makeup/Dilution Gas	0.00 L/min
Option Gas	0.0 %		

Lenses Parameters

Extract 1	0.0 V	Cell Entrance	-40 V
Extract 2	-170.0 V	Cell Exit	-70 V
Omega Bias	-115 V	Deflect	15.0 V
Omega Lens	12.0 V	Plate Bias	-55 V

Cell Parameters

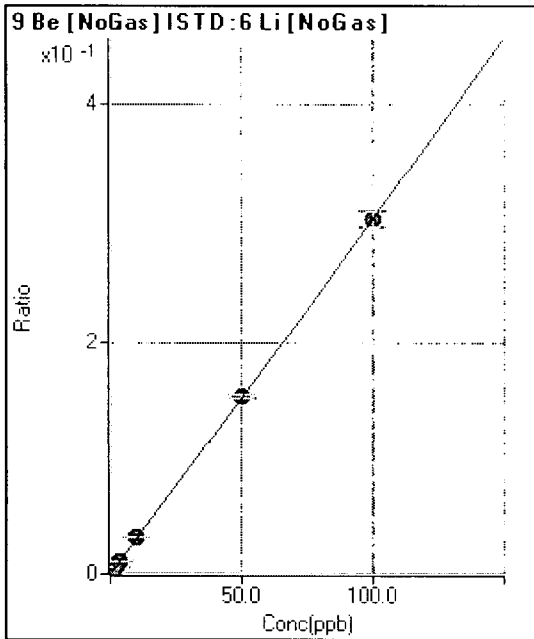
Use Gas	false	OctP Bias	-8.0 V
He Flow	0.0 mL/min	OctP RF	200 V
H2 Flow	0.0 mL/min	Energy Discrimination	5.0 V
3rd Gas Flow	0 %		

Calibration for 018_ICV.d

Batch Folder: C:\Agilent\ICPMH\1\DATA\0E14035.b\
 Analysis File: 0E14035.batch.bin
 DA Date-Time: 5/14/2020 11:05:32
 Calibration Title:
 Calibration Method: External Calibration
 VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	008CALB.d	0E14035-CAL0	5/14/2020 10:08:13
2	009CAL.S.d	0E14035-CAL1	5/14/2020 10:13:18
3	010CAL.S.d	0E14035-CAL2	5/14/2020 10:18:37
4	011CAL.S.d	0E14035-CAL3	5/14/2020 10:23:56
5	012CAL.S.d	0E14035-CAL4	5/14/2020 10:29:15
6	013CAL.S.d	0E14035-CAL5	5/14/2020 10:34:34
7	014CAL.S.d	0E14035-CAL6	5/14/2020 10:39:53
8	015CAL.S.d	0E14035-CAL7	5/14/2020 10:45:15
9	016CAL.S.d	0E14035-CAL8	5/14/2020 10:50:17
10	017CAL.S.d	0E14035-CAL9	5/14/2020 10:55:14

Calibration for 018_ICV.d



	R1st	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	81	0.000	P	44.6
2	<input type="checkbox"/>	0.180	0.179	764	0.001	P	6.2
3	<input type="checkbox"/>	0.900	0.936	3,666	0.003	P	5.4
4	<input type="checkbox"/>	1.800	1.886	7,443	0.006	P	3.5
5	<input type="checkbox"/>	3.600	3.817	14,449	0.012	P	2.1
6	<input type="checkbox"/>	10.000	10.373	39,807	0.032	P	1.1
7	<input type="checkbox"/>	50.000	50.180	187,798	0.152	P	2.0
8	<input type="checkbox"/>	100.000	99.863	370,142	0.303	P	4.2
9	<input type="checkbox"/>			176	0.000	P	14.1
10	<input type="checkbox"/>			138	0.000	P	20.0

$y = 0.0030 * x + 6.3616E-005$

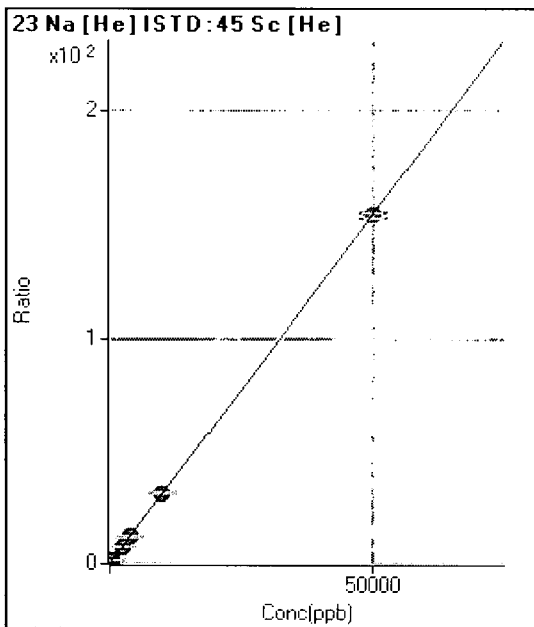
R = 1.0000

DL = 0.02805

BEC = 0.02096

Weight: <None>

Min Conc: <None>



	R1st	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	22,328	0.029	P	3.4
2	<input type="checkbox"/>			42,762	0.056	P	2.0
3	<input type="checkbox"/>	45.000	45.199	128,368	0.169	P	0.9
4	<input type="checkbox"/>	90.000	90.108	233,611	0.307	P	3.2
5	<input type="checkbox"/>	180.000	180.598	444,479	0.587	P	2.6
6	<input type="checkbox"/>	400.000	403.216	964,395	1.274	P	1.3
7	<input type="checkbox"/>	2500.000	2435.985	5,566,391	7.547	A	3.9
8	<input type="checkbox"/>	4000.000	3897.853	8,731,288	12.058	A	3.9
9	<input type="checkbox"/>	10000.000	10162.069	21,711,330	31.389	A	1.0
10	<input type="checkbox"/>	50000.000	49978.930	107,332,945	154.260	A	1.6

$y = 0.0031 * x + 0.0294$

R = 1.0000

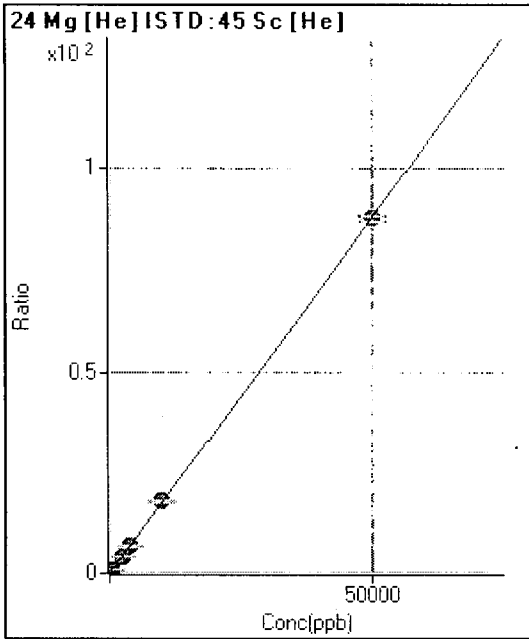
DL = 0.9638

BEC = 9.53

Weight: <None>

Min Conc: <None>

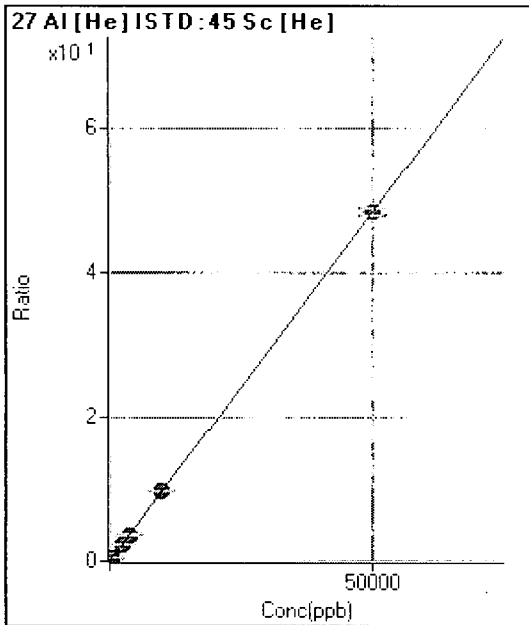
Calibration for 018_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	3,905	0.005	P	7.2
2	<input type="checkbox"/>			15,598	0.020	P	2.1
3	<input type="checkbox"/>	45.000	45.044	64,109	0.084	P	1.7
4	<input type="checkbox"/>	90.000	89.806	123,919	0.163	P	2.1
5	<input type="checkbox"/>	180.000	179.562	243,080	0.321	P	3.3
6	<input type="checkbox"/>	400.000	404.225	542,069	0.716	P	2.1
7	<input type="checkbox"/>	2500.000	2452.459	3,184,409	4.318	A	4.5
8	<input type="checkbox"/>	4000.000	3912.734	4,985,606	6.886	A	4.4
9	<input type="checkbox"/>	10000.000	10235.955	12,454,246	18.005	A	1.0
10	<input type="checkbox"/>	50000.000	49962.135	61,137,843	87.865	A	1.3

$y = 0.0018 * x + 0.0051$
 $R = 1.0000$
 $DL = 0.631$
 $BEC = 2.925$

Weight: <None>
 Min Conc: <None>

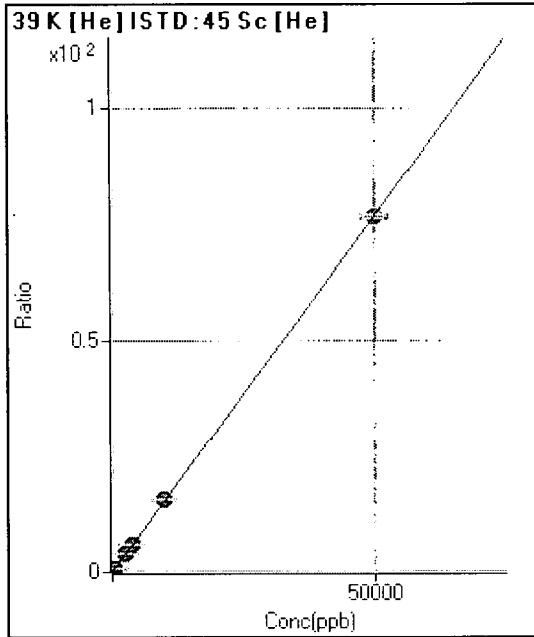


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	629	0.001	P	9.2
2	<input type="checkbox"/>			7,342	0.010	P	4.4
3	<input type="checkbox"/>	45.000	45.942	34,375	0.045	P	1.9
4	<input type="checkbox"/>	90.000	91.025	67,471	0.089	P	3.2
5	<input type="checkbox"/>	180.000	180.945	133,110	0.176	P	2.6
6	<input type="checkbox"/>	400.000	405.567	297,386	0.393	P	2.2
7	<input type="checkbox"/>	2500.000	2435.625	1,736,624	2.355	A	4.8
8	<input type="checkbox"/>	4000.000	3813.771	2,670,221	3.687	A	3.0
9	<input type="checkbox"/>	10000.000	10107.101	6,757,268	9.769	A	1.4
10	<input type="checkbox"/>	50000.000	49996.646	33,620,873	48.322	A	2.0

$y = 9.6649E-004 * x + 8.2866E-004$
 $R = 1.0000$
 $DL = 0.2365$
 $BEC = 0.8574$

Weight: <None>
 Min Conc: <None>

Calibration for 018_ICV.d



	R _{det}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	105,816	0.139	P	3.8
2	<input type="checkbox"/>			116,224	0.152	P	2.3
3	<input type="checkbox"/>	45.000	46.566	160,100	0.211	P	1.4
4	<input type="checkbox"/>	90.000	91.770	212,604	0.280	P	3.1
5	<input type="checkbox"/>	180.000	181.226	315,656	0.417	P	2.9
6	<input type="checkbox"/>	400.000	409.749	580,180	0.766	P	2.5
7	<input type="checkbox"/>	2500.000	2489.091	2,912,491	3.948	A	3.2
8	<input type="checkbox"/>	4000.000	3900.172	4,423,365	6.107	A	2.7
9	<input type="checkbox"/>	10000.000	10311.299	11,009,485	15.917	A	1.3
10	<input type="checkbox"/>	50000.000	49946.185	53,275,154	76.562	A	1.0

$y = 0.0015 * x + 0.1394$

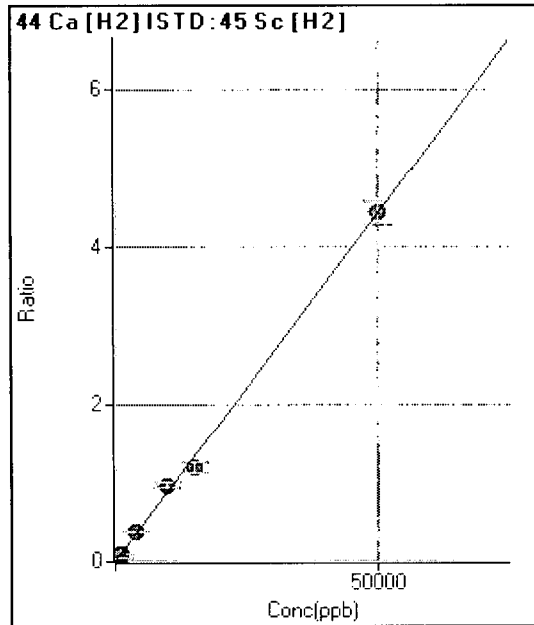
R = 1.0000

DL = 10.43

BEC = 91.11

Weight: <None>

Min Conc: <None>



	R _{det}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	2,650	0.001	P	3.5
2	<input type="checkbox"/>			24,855	0.006	P	2.8
3	<input type="checkbox"/>	270.000	292.152	114,852	0.026	P	1.5
4	<input type="checkbox"/>	540.000	567.441	221,369	0.051	P	2.3
5	<input type="checkbox"/>	1080.000	1116.617	441,234	0.099	P	3.4
6	<input type="checkbox"/>	400.000	418.942	166,412	0.038	P	2.1
7	<input type="checkbox"/>	15000.000	13574.995	5,831,842	1.202	A	12.1
8	<input type="checkbox"/>	4000.000	4212.396	1,561,290	0.373	A	1.4
9	<input type="checkbox"/>	10000.000	10962.019	3,876,883	0.970	A	6.4
10	<input type="checkbox"/>	50000.000	50216.748	18,715,982	4.443	A	7.0

$y = 8.8474E-005 * x + 6.0831E-004$

R = 0.9993

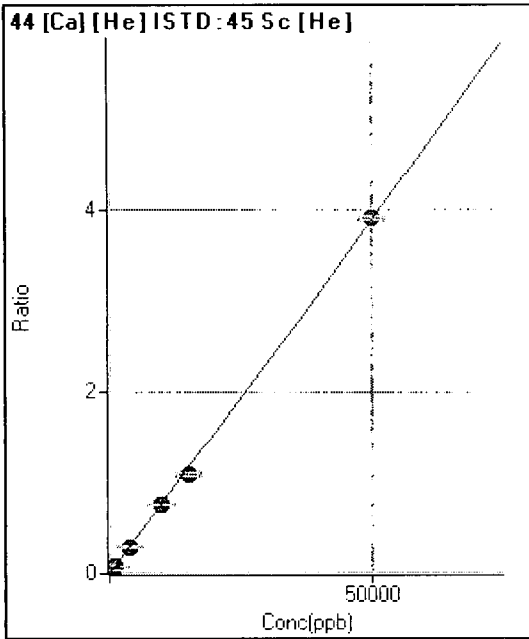
DL = 0.7143

BEC = 6.876

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	R _{adj}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	954	0.001	P	3.0
2	<input type="checkbox"/>			4,092	0.005	P	4.9
3	<input type="checkbox"/>	270.000	265.804	16,658	0.022	P	1.0
4	<input type="checkbox"/>	540.000	527.087	32,074	0.042	P	4.0
5	<input type="checkbox"/>	1080.000	1059.374	63,322	0.084	P	2.9
6	<input type="checkbox"/>	400.000	398.207	24,382	0.032	P	2.7
7	<input type="checkbox"/>	15000.000	14193.494	814,476	1.104	P	4.3
8	<input type="checkbox"/>	4000.000	3792.556	214,336	0.296	P	4.0
9	<input type="checkbox"/>	10000.000	9884.212	532,214	0.769	P	0.5
10	<input type="checkbox"/>	50000.000	50282.327	2,720,110	3.909	A	1.1

$y = 7.7717E-005 * x + 0.0013$

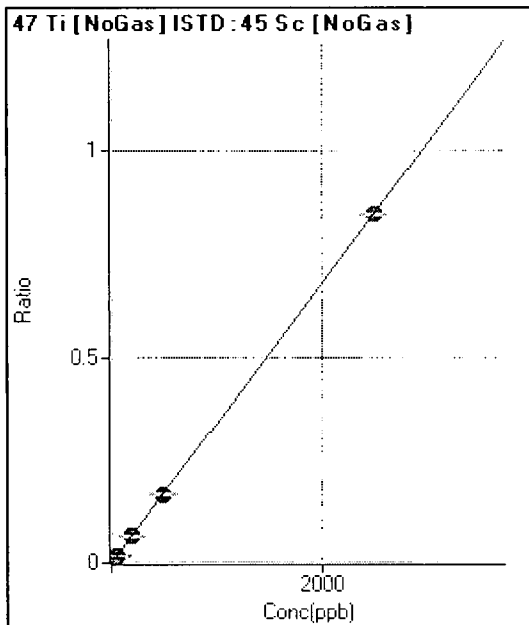
R = 0.9998

DL = 1.452

BEC = 16.16

Weight: <None>

Min Conc: <None>



	R _{adj}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	188	0.000	P	27.6
2	<input type="checkbox"/>			533	0.000	P	11.6
3	<input type="checkbox"/>	0.900	0.956	1,966	0.000	P	10.2
4	<input type="checkbox"/>	1.800	1.799	3,505	0.001	P	5.1
5	<input type="checkbox"/>	3.600	3.622	6,881	0.001	P	5.3
6	<input type="checkbox"/>	20.000	20.353	37,196	0.007	P	5.2
7	<input type="checkbox"/>	50.000	47.926	86,921	0.016	P	3.7
8	<input type="checkbox"/>	200.000	197.905	341,587	0.067	P	6.0
9	<input type="checkbox"/>	500.000	495.404	860,592	0.168	P	1.1
10	<input type="checkbox"/>	2500.000	2501.125	4,248,358	0.846	A	0.9

$y = 3.3843E-004 * x + 3.4746E-005$

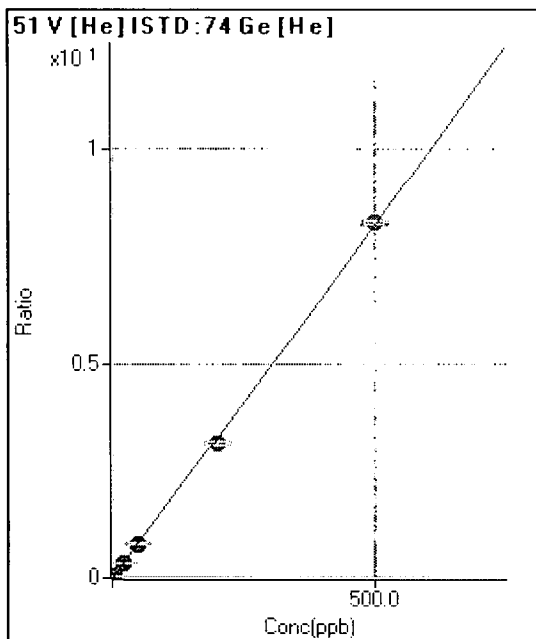
R = 1.0000

DL = 0.08493

BEC = 0.1027

Weight: <None>

Min Conc: <None>



	R _{int}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	2,454	0.005	P	3.3
2	<input type="checkbox"/>			3,951	0.009	P	1.8
3	<input type="checkbox"/>	0.900	0.922	9,302	0.021	P	1.6
4	<input type="checkbox"/>	1.800	1.820	15,919	0.035	P	1.7
5	<input type="checkbox"/>	3.600	3.619	29,111	0.065	P	0.7
6	<input type="checkbox"/>	20.000	20.136	152,095	0.337	P	1.5
7	<input type="checkbox"/>	50.000	48.825	355,118	0.810	P	3.4
8	<input type="checkbox"/>	200.000	191.244	1,375,032	3.157	A	3.3
9	<input type="checkbox"/>	500.000	503.614	3,474,861	8.305	A	1.0
10	<input type="checkbox"/>			3,287	0.008	P	1.3

$y = 0.0165 * x + 0.0055$

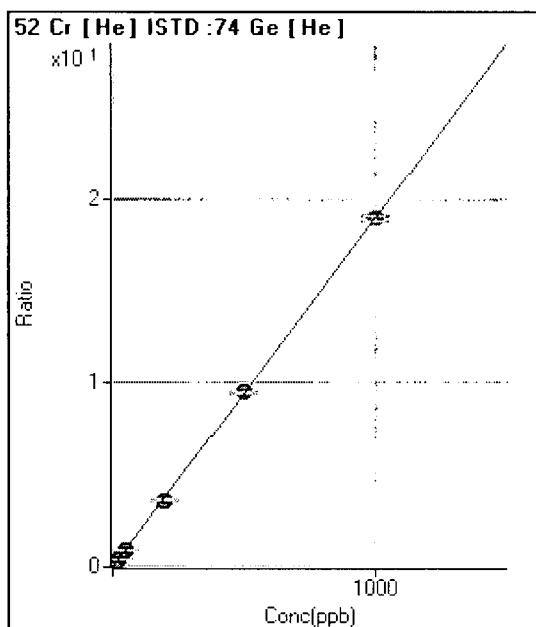
R = 0.9998

DL = 0.03243

BEC = 0.3318

Weight: <None>

Min Conc: <None>



	R _{int}	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	951	0.002	P	9.5
2	<input type="checkbox"/>			2,501	0.006	P	6.3
3	<input type="checkbox"/>	0.900	0.916	8,751	0.019	P	1.5
4	<input type="checkbox"/>	1.800	1.764	15,932	0.035	P	3.7
5	<input type="checkbox"/>	3.600	3.667	31,960	0.072	P	3.4
6	<input type="checkbox"/>	20.000	20.168	173,016	0.384	P	0.8
7	<input type="checkbox"/>	50.000	48.626	404,237	0.922	P	3.0
8	<input type="checkbox"/>	200.000	193.294	1,593,969	3.659	A	2.2
9	<input type="checkbox"/>	500.000	501.921	3,974,017	9.498	A	1.3
10	<input type="checkbox"/>	1000.000	1000.446	7,691,857	18.931	A	1.3

$y = 0.0189 * x + 0.0021$

R = 1.0000

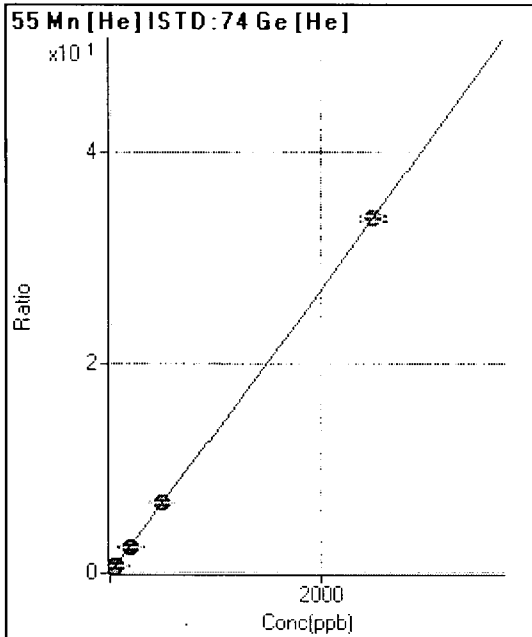
DL = 0.03201

BEC = 0.112

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	R/ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	290	0.001	P	7.5
2	<input type="checkbox"/>			1,430	0.003	P	6.9
3	<input type="checkbox"/>	0.900	0.922	5,907	0.013	P	1.8
4	<input type="checkbox"/>	1.800	1.788	11,148	0.025	P	1.6
5	<input type="checkbox"/>	3.600	3.681	22,541	0.050	P	0.7
6	<input type="checkbox"/>	20.000	20.006	122,290	0.271	P	1.6
7	<input type="checkbox"/>	50.000	48.160	285,797	0.652	P	3.3
8	<input type="checkbox"/>	200.000	188.546	1,110,867	2.551	P	2.9
9	<input type="checkbox"/>	500.000	498.205	2,819,235	6.738	A	0.4
10	<input type="checkbox"/>	2500.000	2501.312	13,745,015	33.828	A	1.4

$y = 0.0135 * x + 6.4653E-004$

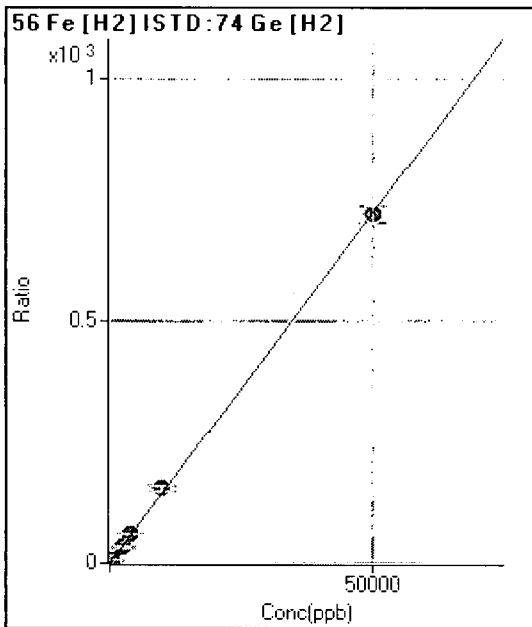
R = 1.0000

DL = 0.01073

BEC = 0.04781

Weight: <None>

Min Conc: <None>



	R/ct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	64,011	0.044	P	5.5
2	<input type="checkbox"/>			261,892	0.178	P	3.4
3	<input type="checkbox"/>	45.000	46.772	1,057,056	0.720	P	1.1
4	<input type="checkbox"/>	90.000	96.789	2,105,042	1.443	A	2.8
5	<input type="checkbox"/>	180.000	189.507	4,113,114	2.783	A	2.4
6	<input type="checkbox"/>	400.000	421.552	9,074,359	6.137	A	0.6
7	<input type="checkbox"/>	2500.000	2340.534	53,439,738	33.877	A	10.2
8	<input type="checkbox"/>	4000.000	4136.556	83,906,653	59.838	A	0.4
9	<input type="checkbox"/>	10000.000	10775.444	206,425,472	155.805	A	8.1
10	<input type="checkbox"/>	50000.000	49841.740	993,310,350	720.514	A	4.6

$y = 0.0145 * x + 0.0437$

R = 0.9999

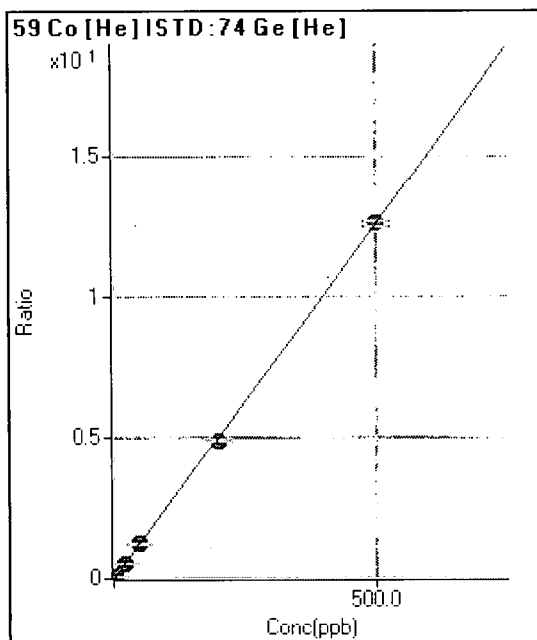
DL = 0.4994

BEC = 3.026

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rjct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	238	0.001	P	21.7
2	<input type="checkbox"/>			2,368	0.005	P	1.1
3	<input type="checkbox"/>	0.900	0.922	10,668	0.024	P	1.2
4	<input type="checkbox"/>	1.800	1.874	21,373	0.048	P	1.4
5	<input type="checkbox"/>	3.600	3.740	42,229	0.094	P	2.4
6	<input type="checkbox"/>	20.000	20.574	233,241	0.517	P	1.0
7	<input type="checkbox"/>	50.000	49.610	546,414	1.247	P	3.6
8	<input type="checkbox"/>	200.000	195.018	2,133,968	4.899	A	1.9
9	<input type="checkbox"/>	500.000	502.008	5,275,524	12.609	A	1.3
10	<input type="checkbox"/>			3,150	0.008	P	7.7

$y = 0.0251 * x + 5.3003E-004$

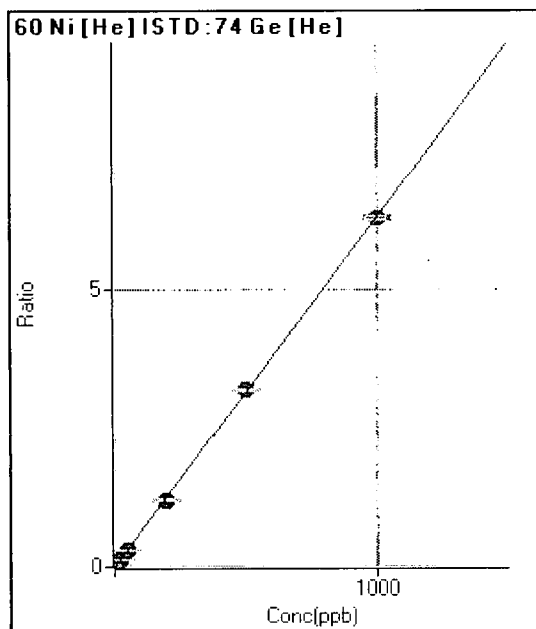
R = 0.9999

DL = 0.01373

BEC = 0.0211

Weight: <None>

Min Conc: <None>



	Rjct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	567	0.001	P	21.2
2	<input type="checkbox"/>			1,091	0.002	P	5.7
3	<input type="checkbox"/>	0.900	0.834	2,926	0.006	P	2.4
4	<input type="checkbox"/>	1.800	1.739	5,473	0.012	P	1.0
5	<input type="checkbox"/>	3.600	3.516	10,442	0.023	P	2.6
6	<input type="checkbox"/>	20.000	20.505	58,696	0.130	P	0.7
7	<input type="checkbox"/>	50.000	49.448	136,853	0.312	P	1.9
8	<input type="checkbox"/>	200.000	192.948	528,824	1.214	P	3.0
9	<input type="checkbox"/>	500.000	505.951	1,331,258	3.182	A	1.3
10	<input type="checkbox"/>	1000.000	998.453	2,551,078	6.278	A	1.1

$y = 0.0063 * x + 0.0013$

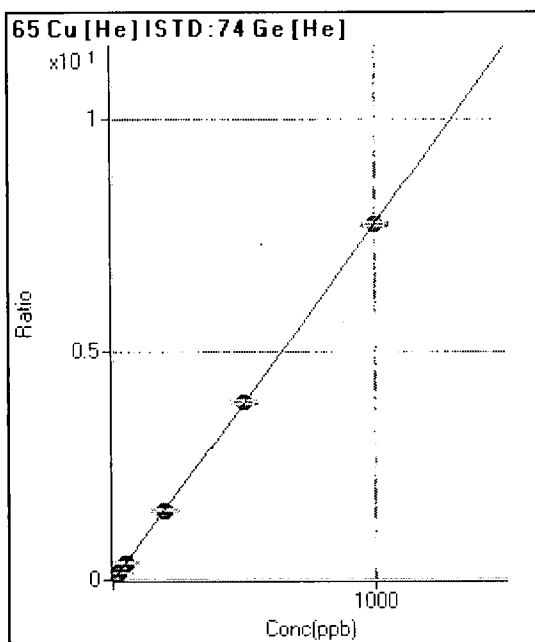
R = 1.0000

DL = 0.1275

BEC = 0.2004

Weight: <None>

Min Conc: <None>



	R/Std	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	229	0.001	P	15.7
2	<input type="checkbox"/>			854	0.002	P	9.5
3	<input type="checkbox"/>	0.900	0.952	3,546	0.008	P	1.2
4	<input type="checkbox"/>	1.800	1.864	6,707	0.015	P	3.1
5	<input type="checkbox"/>	3.600	3.711	13,075	0.029	P	1.8
6	<input type="checkbox"/>	20.000	21.010	73,586	0.163	P	1.8
7	<input type="checkbox"/>	50.000	50.113	170,327	0.389	P	3.4
8	<input type="checkbox"/>	200.000	198.763	663,868	1.524	P	2.5
9	<input type="checkbox"/>	500.000	504.130	1,633,535	3.904	A	2.0
10	<input type="checkbox"/>	1000.000	998.556	3,142,088	7.733	A	1.1

$y = 0.0077 * x + 5.1026E-004$

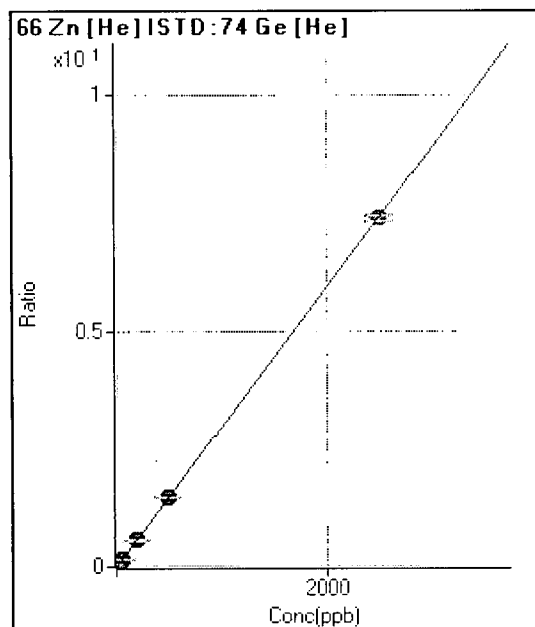
R = 1.0000

DL = 0.03105

BEC = 0.0659

Weight: <None>

Min Conc: <None>



	R/Std	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	164	0.000	P	16.6
2	<input type="checkbox"/>			387	0.001	P	6.9
3	<input type="checkbox"/>			1,235	0.003	P	1.4
4	<input type="checkbox"/>	1.800	1.866	2,646	0.006	P	4.5
5	<input type="checkbox"/>	3.600	3.566	4,885	0.011	P	6.5
6	<input type="checkbox"/>	20.000	20.327	27,323	0.061	P	1.1
7	<input type="checkbox"/>	50.000	49.295	64,190	0.146	P	2.9
8	<input type="checkbox"/>	200.000	194.323	250,953	0.576	P	2.4
9	<input type="checkbox"/>	500.000	498.703	618,367	1.478	P	0.3
10	<input type="checkbox"/>	2500.000	2500.725	3,010,710	7.410	A	1.4

$y = 0.0030 * x + 3.6692E-004$

R = 1.0000

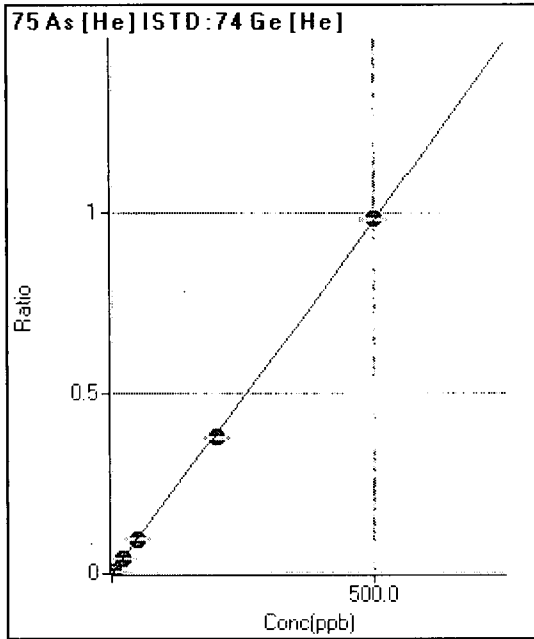
DL = 0.06169

BEC = 0.1238

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rjat	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	77	0.000	P	16.9
2	<input type="checkbox"/>			217	0.000	P	10.0
3	<input type="checkbox"/>	0.900	0.945	906	0.002	P	2.8
4	<input type="checkbox"/>	1.800	1.760	1,617	0.004	P	1.4
5	<input type="checkbox"/>	3.600	3.604	3,217	0.007	P	1.8
6	<input type="checkbox"/>	20.000	20.055	17,707	0.039	P	1.1
7	<input type="checkbox"/>	50.000	48.675	41,669	0.095	P	3.9
8	<input type="checkbox"/>	200.000	193.427	164,332	0.377	P	2.3
9	<input type="checkbox"/>	500.000	502.760	410,161	0.980	P	0.2
10	<input type="checkbox"/>			205	0.001	P	9.5

$y = 0.0019 * x + 1.7057E-004$

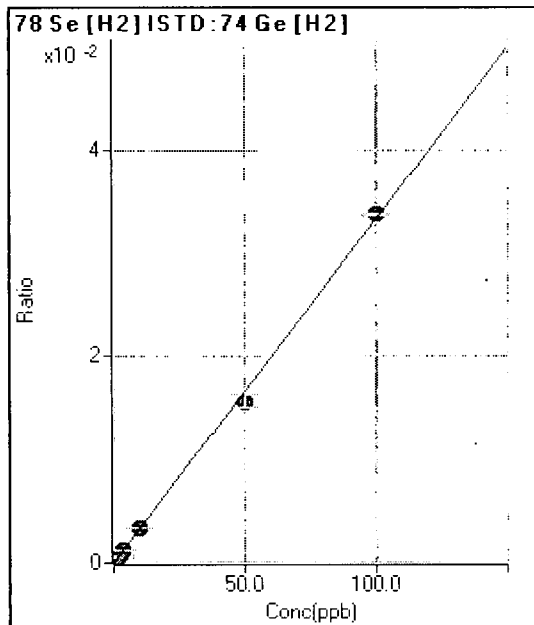
R = 0.9999

DL = 0.04447

BEC = 0.08749

Weight: <None>

Min Conc: <None>



	Rjat	Conc.	Calc Conc.	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	6	0.000	P	64.8
2	<input type="checkbox"/>			98	0.000	P	15.3
3	<input type="checkbox"/>	0.900	0.955	473	0.000	P	2.9
4	<input type="checkbox"/>	1.800	1.903	930	0.001	P	4.8
5	<input type="checkbox"/>	3.600	3.686	1,818	0.001	P	6.2
6	<input type="checkbox"/>	10.000	10.232	5,044	0.003	P	3.7
7	<input type="checkbox"/>	50.000	47.038	24,735	0.016	P	8.8
8	<input type="checkbox"/>	100.000	101.453	47,377	0.034	P	0.3
9	<input type="checkbox"/>			63	0.000	P	5.2
10	<input type="checkbox"/>			61	0.000	P	17.7

$y = 3.3298E-004 * x + 3.8409E-006$

R = 0.9994

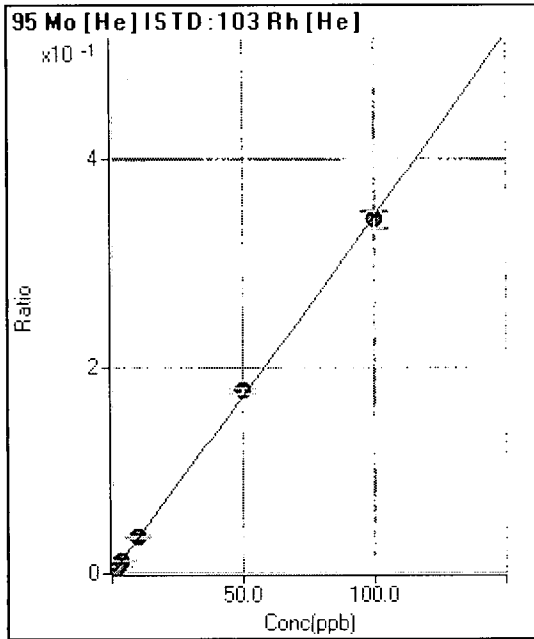
DL = 0.02241

BEC = 0.01154

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	60	0.000	P	29.4
2	<input type="checkbox"/>			657	0.001	P	5.2
3	<input type="checkbox"/>	0.900	0.921	3,214	0.003	P	4.3
4	<input type="checkbox"/>	1.800	1.915	6,636	0.007	P	2.1
5	<input type="checkbox"/>	3.600	3.661	12,562	0.013	P	3.6
6	<input type="checkbox"/>	10.000	10.264	35,367	0.035	P	2.8
7	<input type="checkbox"/>	50.000	51.387	169,956	0.177	P	3.3
8	<input type="checkbox"/>	100.000	99.276	330,657	0.343	P	4.7
9	<input type="checkbox"/>			350	0.000	P	15.8
10	<input type="checkbox"/>			382	0.000	P	7.1

$y = 0.0034 * x + 6.0281E-005$

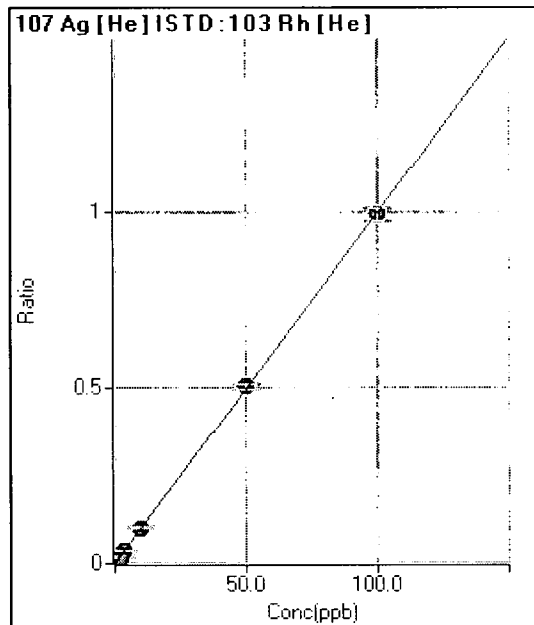
R = 0.9999

DL = 0.01543

BEC = 0.01747

Weight: <None>

Min Conc: <None>



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	19	0.000	P	54.8
2	<input type="checkbox"/>	0.180	0.190	1,923	0.002	P	11.6
3	<input type="checkbox"/>	0.900	0.945	9,383	0.009	P	1.7
4	<input type="checkbox"/>	1.800	1.844	18,334	0.018	P	2.0
5	<input type="checkbox"/>	3.600	3.676	36,342	0.037	P	3.2
6	<input type="checkbox"/>	10.000	10.284	102,385	0.103	P	1.3
7	<input type="checkbox"/>	50.000	50.651	484,507	0.506	P	3.1
8	<input type="checkbox"/>	100.000	99.642	960,210	0.994	P	3.5
9	<input type="checkbox"/>			286	0.000	P	13.8
10	<input type="checkbox"/>			249	0.000	P	6.1

$y = 0.0100 * x + 1.8929E-005$

R = 1.0000

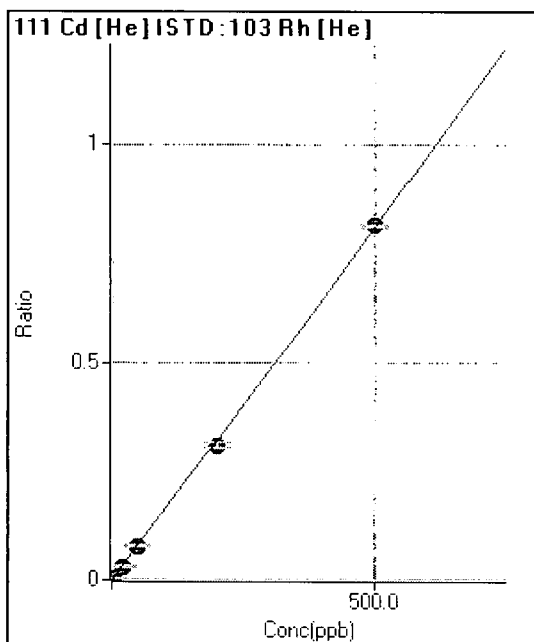
DL = 0.00312

BEC = 0.001897

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	5	0.000	P	26.2
2	<input type="checkbox"/>	0.180	0.180	299	0.000	P	4.4
3	<input type="checkbox"/>	0.900	0.914	1,475	0.001	P	0.4
4	<input type="checkbox"/>	1.800	1.785	2,883	0.003	P	1.8
5	<input type="checkbox"/>	3.600	3.579	5,746	0.006	P	4.0
6	<input type="checkbox"/>	20.000	19.837	32,061	0.032	P	2.0
7	<input type="checkbox"/>	50.000	49.303	76,557	0.080	P	4.1
8	<input type="checkbox"/>	200.000	192.378	300,969	0.312	P	3.9
9	<input type="checkbox"/>	500.000	503.125	754,255	0.815	P	0.3
10	<input type="checkbox"/>			9,672	0.011	P	1.2

$y = 0.0016 * x + 5.3158E-006$

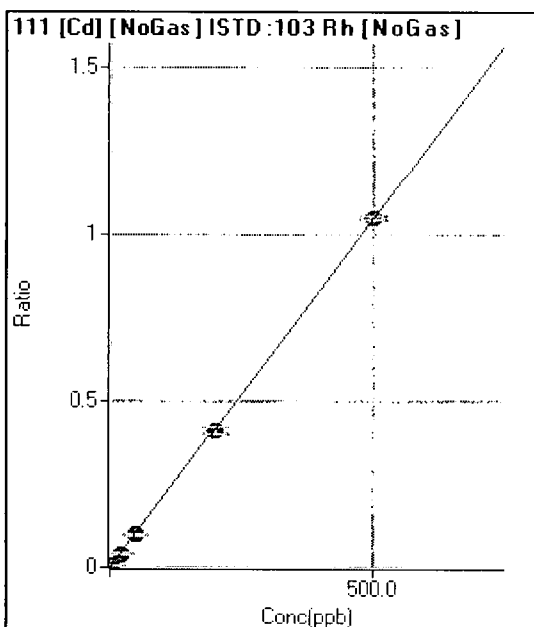
R = 0.9999

DL = 0.002579

BEC = 0.003281

Weight: <None>

Min Conc: <None>



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	10	0.000	P	44.6
2	<input type="checkbox"/>	0.180	0.172	523	0.000	P	15.2
3	<input type="checkbox"/>	0.900	0.890	2,727	0.002	P	8.4
4	<input type="checkbox"/>	1.800	1.714	5,175	0.004	P	1.3
5	<input type="checkbox"/>	3.600	3.464	10,516	0.007	P	2.9
6	<input type="checkbox"/>	20.000	19.597	57,928	0.041	P	4.3
7	<input type="checkbox"/>	50.000	47.562	137,329	0.100	P	4.8
8	<input type="checkbox"/>	200.000	196.829	544,200	0.412	P	5.6
9	<input type="checkbox"/>	500.000	501.529	1,397,584	1.050	A	1.1
10	<input type="checkbox"/>			17,318	0.014	P	1.7

$y = 0.0021 * x + 6.8716E-006$

R = 1.0000

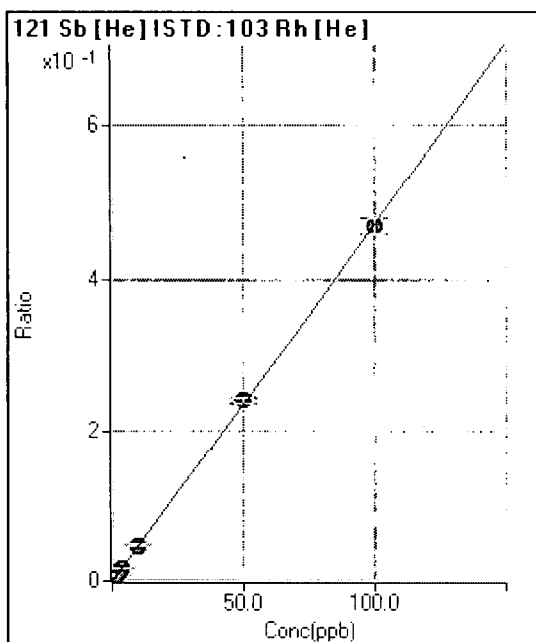
DL = 0.004391

BEC = 0.003282

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rfct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	42	0.000	P	3.8
2	<input type="checkbox"/>			896	0.001	P	4.1
3	<input type="checkbox"/>	0.900	0.919	4,338	0.004	P	5.9
4	<input type="checkbox"/>	1.800	1.861	8,767	0.009	P	4.4
5	<input type="checkbox"/>	3.600	3.696	17,296	0.017	P	1.0
6	<input type="checkbox"/>	10.000	10.121	47,608	0.048	P	3.3
7	<input type="checkbox"/>	50.000	51.021	230,518	0.241	P	3.1
8	<input type="checkbox"/>	100.000	99.473	452,707	0.469	P	4.1
9	<input type="checkbox"/>			370	0.000	P	9.2
10	<input type="checkbox"/>			356	0.000	P	23.7

$y = 0.0047 * x + 4.2248E-005$

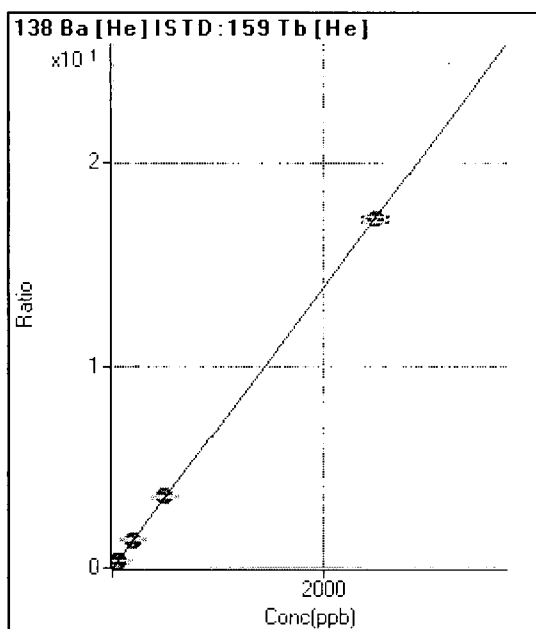
R = 0.9999

DL = 0.001031

BEC = 0.008964

Weight: <None>

Min Conc: <None>



	Rfct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	282	0.000	P	16.4
2	<input type="checkbox"/>			2,198	0.001	P	3.7
3	<input type="checkbox"/>	0.900	0.945	10,114	0.007	P	6.1
4	<input type="checkbox"/>	1.800	1.878	20,016	0.013	P	2.4
5	<input type="checkbox"/>	3.600	3.875	40,374	0.027	P	2.4
6	<input type="checkbox"/>	20.000	21.040	220,565	0.145	P	2.8
7	<input type="checkbox"/>	50.000	51.654	531,959	0.357	P	3.1
8	<input type="checkbox"/>	200.000	203.033	2,091,988	1.402	A	3.3
9	<input type="checkbox"/>	500.000	512.428	5,170,232	3.539	A	1.4
10	<input type="checkbox"/>	2500.000	2497.230	24,831,221	17.246	A	1.6

$y = 0.0069 * x + 1.8336E-004$

R = 1.0000

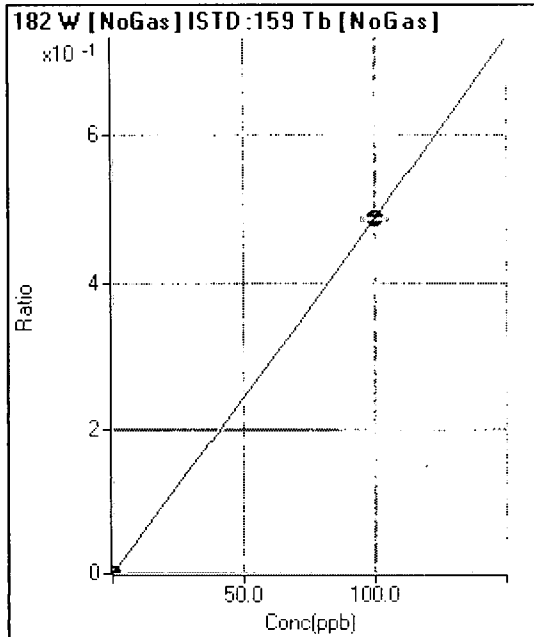
DL = 0.01303

BEC = 0.02655

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rjct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	0.000	316	0.000	P	8.9
2	<input type="checkbox"/>			317	0.000	P	12.7
3	<input type="checkbox"/>			324	0.000	P	17.9
4	<input type="checkbox"/>			331	0.000	P	17.6
5	<input type="checkbox"/>			289	0.000	P	19.8
6	<input type="checkbox"/>			363	0.000	P	10.4
7	<input type="checkbox"/>			373	0.000	P	17.2
8	<input type="checkbox"/>			540	0.000	P	9.2
9	<input type="checkbox"/>	100.000	100.000	1,067,978	0.488	P	0.7
10	<input type="checkbox"/>			2,387	0.001	P	7.2

$y = 0.0049 * x + 1.4149E-004$

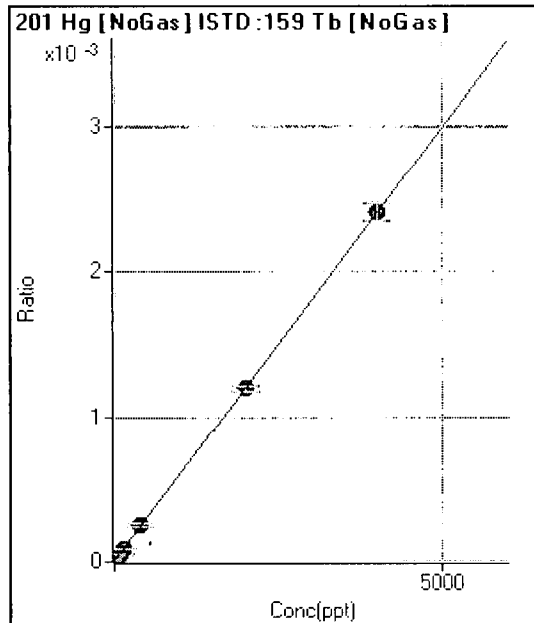
R = 1.0000

DL = 0.007741

BEC = 0.02903

Weight: <None>

Min Conc: <None>



	Rjct	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	0.000	-2.230	12	0.000	P	24.9
2	<input type="checkbox"/>			19	0.000	P	15.6
3	<input type="checkbox"/>	36.000	32.135	59	0.000	P	11.6
4	<input type="checkbox"/>	72.000	70.479	110	0.000	P	2.2
5	<input type="checkbox"/>	144.000	143.775	209	0.000	P	1.9
6	<input type="checkbox"/>	400.000	419.131	577	0.000	P	8.0
7	<input type="checkbox"/>	2000.000	1981.108	2,657	0.001	P	2.9
8	<input type="checkbox"/>	4000.000	4007.603	5,197	0.002	P	5.2
9	<input type="checkbox"/>			131	0.000	P	4.9
10	<input type="checkbox"/>			32	0.000	P	8.0

$y = 5.985625E-007 * x + 6.770084E-006$

R = 1.0000

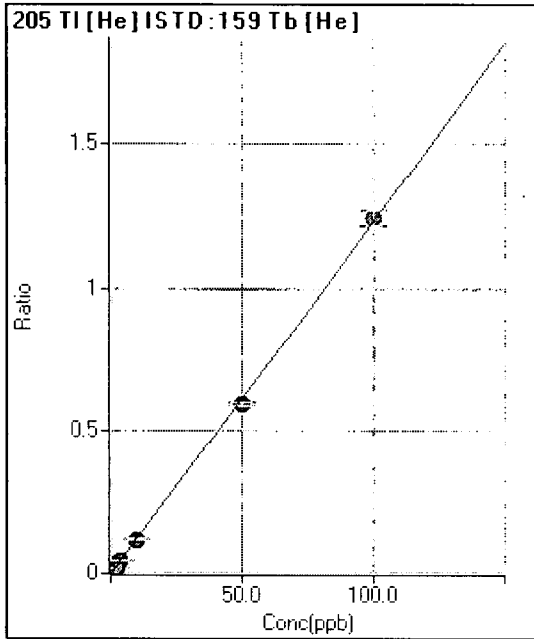
DL = 6.774

BEC = 11.31

Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d



	Rfct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	31	0.000	P	39.8
2	<input type="checkbox"/>	0.180	0.178	3,336	0.002	P	2.7
3	<input type="checkbox"/>	0.900	0.879	16,319	0.011	P	0.8
4	<input type="checkbox"/>	1.800	1.763	32,966	0.022	P	0.5
5	<input type="checkbox"/>	3.600	3.566	65,658	0.044	P	1.6
6	<input type="checkbox"/>	10.000	9.824	182,962	0.121	P	1.9
7	<input type="checkbox"/>	50.000	48.048	879,559	0.590	P	2.7
8	<input type="checkbox"/>	100.000	100.996	1,850,307	1.240	A	4.1
9	<input type="checkbox"/>			921	0.001	P	4.8
10	<input type="checkbox"/>			217	0.000	P	14.2

$y = 0.0123 * x + 2.0168E-005$

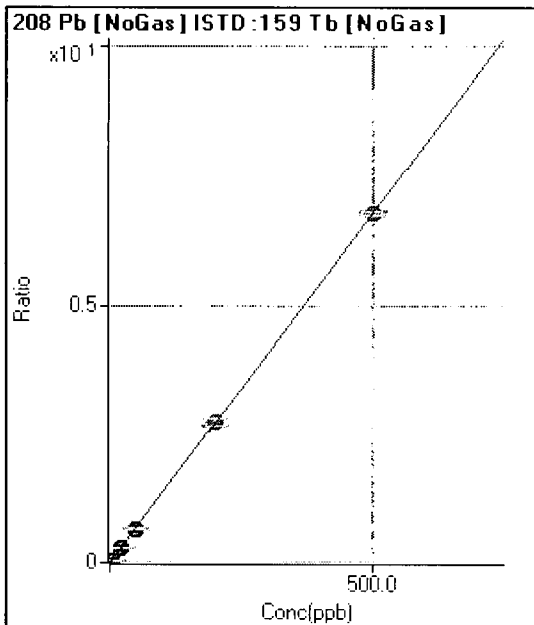
R = 0.9998

DL = 0.001959

BEC = 0.001642

Weight: <None>

Min Conc: <None>



	Rfct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	0.000	0.000	368	0.000	P	1.2
2	<input type="checkbox"/>	0.180	0.185	5,926	0.003	P	7.6
3	<input type="checkbox"/>	0.900	0.913	28,426	0.013	P	4.2
4	<input type="checkbox"/>	1.800	1.823	56,043	0.025	P	1.7
5	<input type="checkbox"/>	3.600	3.669	112,124	0.050	P	2.0
6	<input type="checkbox"/>	20.000	20.416	620,637	0.277	P	5.4
7	<input type="checkbox"/>	50.000	48.606	1,468,033	0.659	P	3.7
8	<input type="checkbox"/>	200.000	201.707	5,907,405	2.734	A	5.3
9	<input type="checkbox"/>	500.000	499.439	14,830,301	6.771	A	0.9
10	<input type="checkbox"/>			5,403	0.003	P	3.9

$y = 0.0136 * x + 1.6533E-004$

R = 1.0000

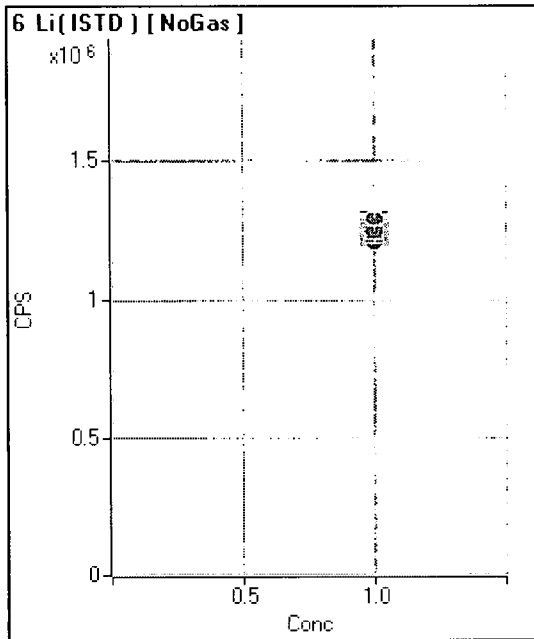
DL = 0.0004322

BEC = 0.0122

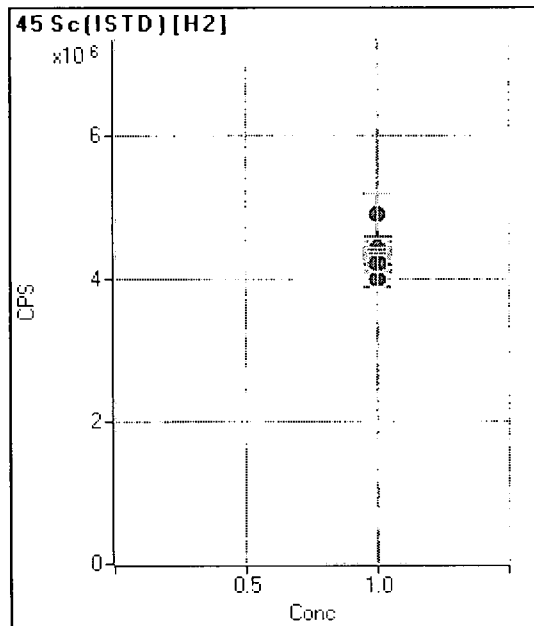
Weight: <None>

Min Conc: <None>

Calibration for 018_ICV.d

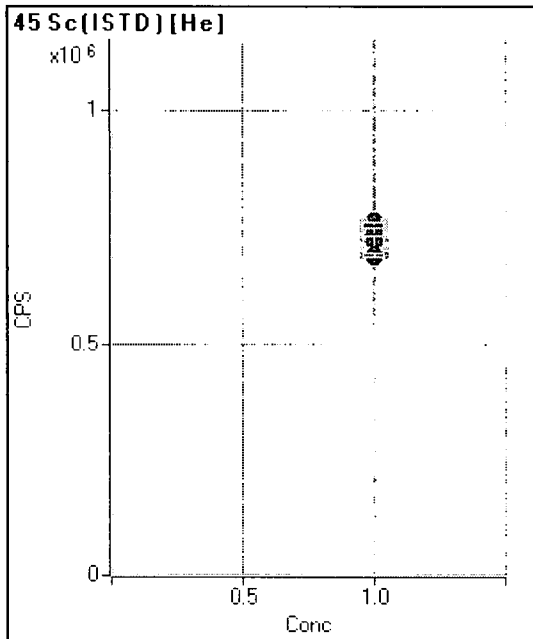


	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,273,530		A	2.0
2	<input type="checkbox"/>	1.000		1,258,867		A	1.2
3	<input type="checkbox"/>	1.000		1,263,313		A	2.1
4	<input type="checkbox"/>	1.000		1,286,798		A	4.3
5	<input type="checkbox"/>	1.000		1,240,445		A	3.6
6	<input type="checkbox"/>	1.000		1,261,821		A	2.2
7	<input type="checkbox"/>	1.000		1,232,755		A	2.4
8	<input type="checkbox"/>	1.000		1,222,017		A	3.6
9	<input type="checkbox"/>	1.000		1,249,149		A	2.7
10	<input type="checkbox"/>	1.000		1,215,498		A	1.4

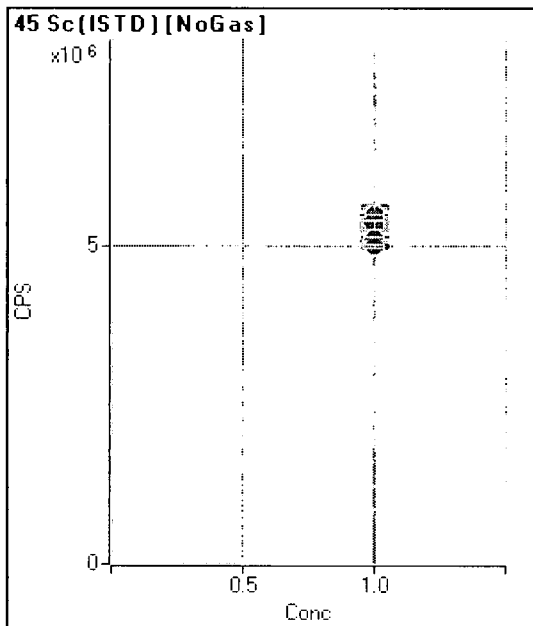


	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		4,358,788		A	3.1
2	<input type="checkbox"/>	1.000		4,396,974		A	2.4
3	<input type="checkbox"/>	1.000		4,341,998		A	2.0
4	<input type="checkbox"/>	1.000		4,358,179		A	2.3
5	<input type="checkbox"/>	1.000		4,442,890		A	4.0
6	<input type="checkbox"/>	1.000		4,417,651		A	0.8
7	<input type="checkbox"/>	1.000		4,902,611		A	12.5
8	<input type="checkbox"/>	1.000		4,183,149		A	1.9
9	<input type="checkbox"/>	1.000		4,003,046		A	4.9
10	<input type="checkbox"/>	1.000		4,223,215		A	5.7

Calibration for 018_ICV.d

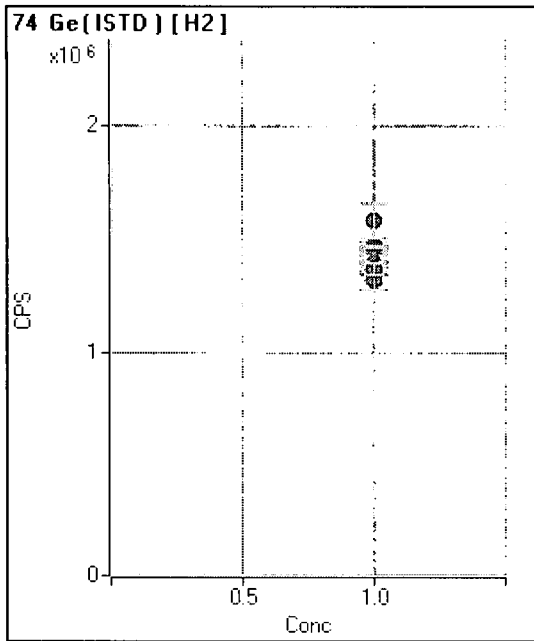


	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		759,584		P	2.6
2	<input type="checkbox"/>	1.000		766,854		P	1.6
3	<input type="checkbox"/>	1.000		760,135		P	1.6
4	<input type="checkbox"/>	1.000		760,157		P	2.4
5	<input type="checkbox"/>	1.000		757,878		P	2.4
6	<input type="checkbox"/>	1.000		757,279		P	1.8
7	<input type="checkbox"/>	1.000		738,212		P	3.3
8	<input type="checkbox"/>	1.000		724,730		P	3.3
9	<input type="checkbox"/>	1.000		691,702		P	0.2
10	<input type="checkbox"/>	1.000		695,894		P	1.4

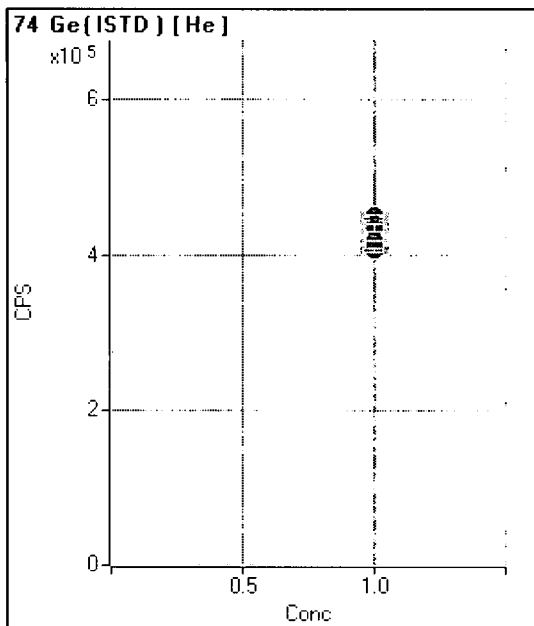


	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		5,454,665		A	5.2
2	<input type="checkbox"/>	1.000		5,395,614		A	1.8
3	<input type="checkbox"/>	1.000		5,497,860		A	5.5
4	<input type="checkbox"/>	1.000		5,450,066		A	2.1
5	<input type="checkbox"/>	1.000		5,461,221		A	1.3
6	<input type="checkbox"/>	1.000		5,380,896		A	4.2
7	<input type="checkbox"/>	1.000		5,350,936		A	2.6
8	<input type="checkbox"/>	1.000		5,107,499		A	5.0
9	<input type="checkbox"/>	1.000		5,132,204		A	1.1
10	<input type="checkbox"/>	1.000		5,019,064		A	1.0

Calibration for 018_ICV.d

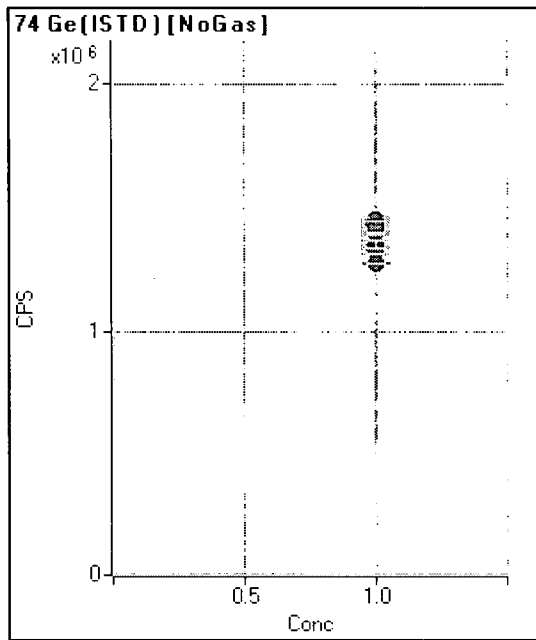


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,464,355		A	2.2
2	<input type="checkbox"/>	1.000		1,469,029		A	2.0
3	<input type="checkbox"/>	1.000		1,468,433		A	0.4
4	<input type="checkbox"/>	1.000		1,459,618		A	2.5
5	<input type="checkbox"/>	1.000		1,478,509		A	2.9
6	<input type="checkbox"/>	1.000		1,478,565		A	0.4
7	<input type="checkbox"/>	1.000		1,587,616		A	9.4
8	<input type="checkbox"/>	1.000		1,402,265		A	1.7
9	<input type="checkbox"/>	1.000		1,329,388		A	6.3
10	<input type="checkbox"/>	1.000		1,380,031		A	3.4

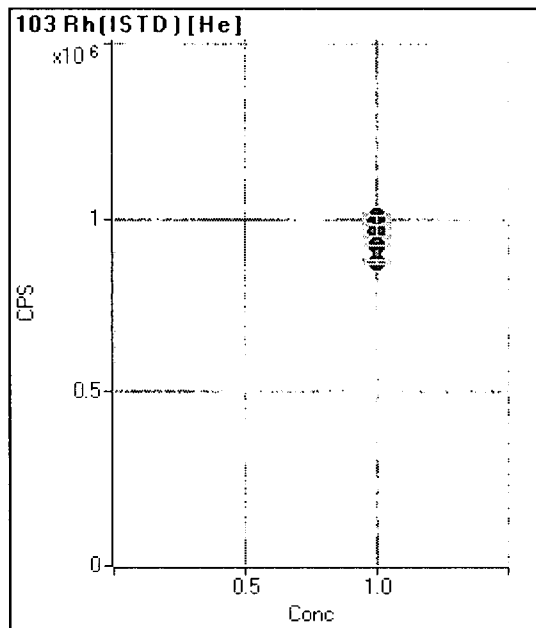


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		448,917		P	1.6
2	<input type="checkbox"/>	1.000		450,884		P	1.1
3	<input type="checkbox"/>	1.000		450,104		P	1.2
4	<input type="checkbox"/>	1.000		448,993		P	1.6
5	<input type="checkbox"/>	1.000		447,068		P	1.2
6	<input type="checkbox"/>	1.000		450,934		P	0.9
7	<input type="checkbox"/>	1.000		438,596		P	2.5
8	<input type="checkbox"/>	1.000		435,733		P	2.3
9	<input type="checkbox"/>	1.000		418,388		P	0.3
10	<input type="checkbox"/>	1.000		406,362		P	1.2

Calibration for 018_ICV.d

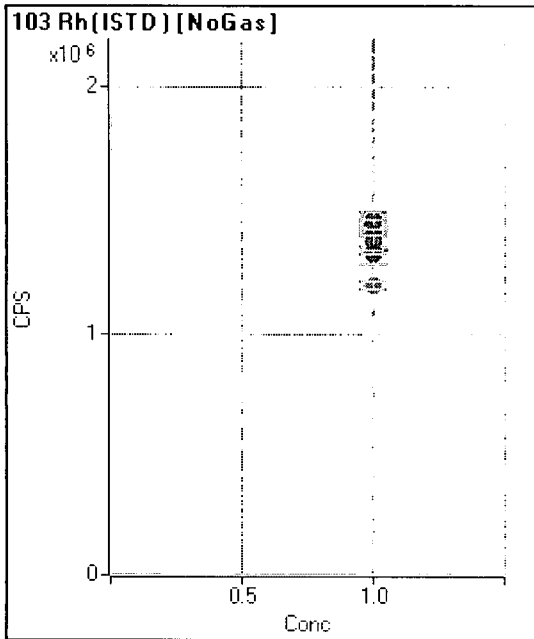


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input checked="" type="checkbox"/>	1.000		1,420,023		A	4.0
2	<input type="checkbox"/>	1.000		1,428,877		A	1.2
3	<input type="checkbox"/>	1.000		1,448,713		A	1.5
4	<input checked="" type="checkbox"/>	1.000		1,428,998		A	0.3
5	<input checked="" type="checkbox"/>	1.000		1,435,313		A	0.8
6	<input type="checkbox"/>	1.000		1,424,611		A	2.7
7	<input type="checkbox"/>	1.000		1,396,529		A	0.5
8	<input type="checkbox"/>	1.000		1,328,433		A	2.1
9	<input type="checkbox"/>	1.000		1,353,048		A	2.3
10	<input checked="" type="checkbox"/>	1.000		1,274,874		A	0.3

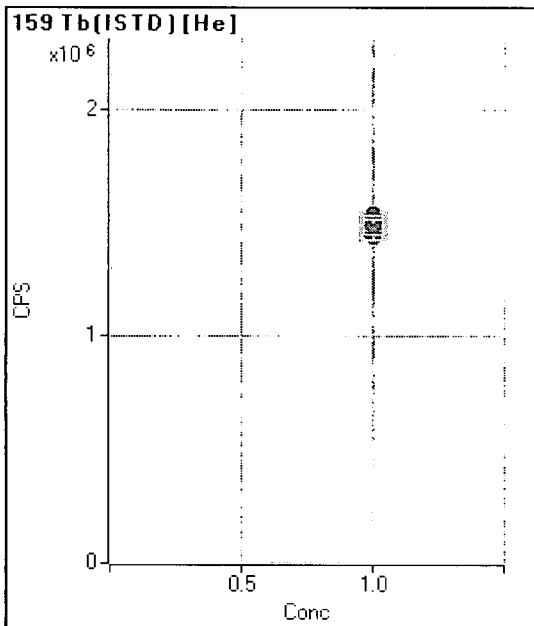


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		999,309		P	2.4
2	<input type="checkbox"/>	1.000		1,006,820		P	1.3
3	<input type="checkbox"/>	1.000		992,540		P	1.6
4	<input type="checkbox"/>	1.000		995,365		P	1.9
5	<input type="checkbox"/>	1.000		990,459		P	2.2
6	<input checked="" type="checkbox"/>	1.000		997,528		P	1.9
7	<input checked="" type="checkbox"/>	1.000		959,007		P	3.0
8	<input type="checkbox"/>	1.000		966,266		P	3.2
9	<input type="checkbox"/>	1.000		925,178		P	0.1
10	<input type="checkbox"/>	1.000		875,173		P	1.5

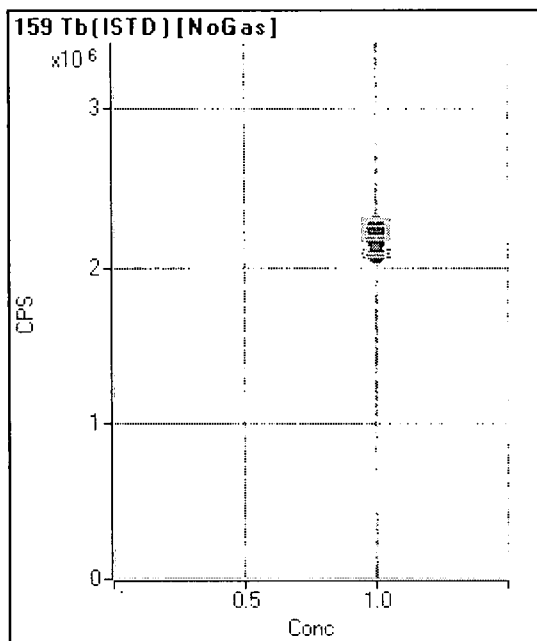
Calibration for 018_ICV.d



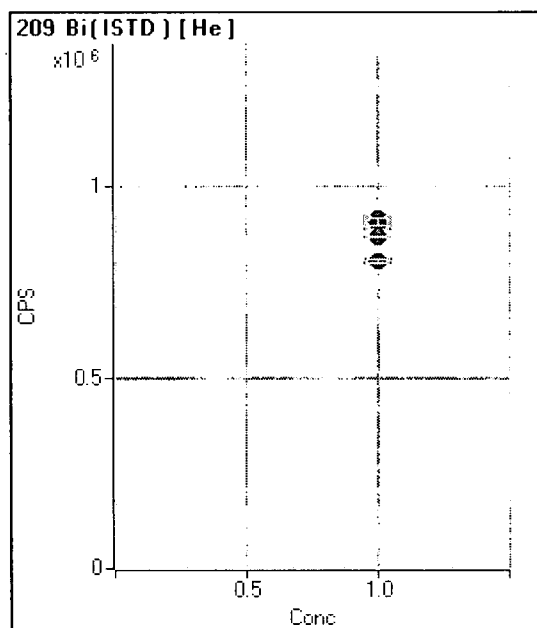
	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,442,230		A	4.9
2	<input type="checkbox"/>	1.000		1,427,055		A	1.7
3	<input type="checkbox"/>	1.000		1,461,699		A	4.5
4	<input type="checkbox"/>	1.000		1,439,308		A	2.2
5	<input type="checkbox"/>	1.000		1,448,878		A	2.4
6	<input type="checkbox"/>	1.000		1,412,705		A	2.4
7	<input type="checkbox"/>	1.000		1,380,686		A	3.6
8	<input type="checkbox"/>	1.000		1,323,144		A	5.0
9	<input type="checkbox"/>	1.000		1,331,168		A	1.2
10	<input type="checkbox"/>	1.000		1,199,442		M	2.5



	RJet	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		1,537,809		A	1.2
2	<input type="checkbox"/>	1.000		1,515,873		A	1.2
3	<input type="checkbox"/>	1.000		1,508,805		A	1.4
4	<input type="checkbox"/>	1.000		1,521,512		A	0.8
5	<input type="checkbox"/>	1.000		1,498,983		A	2.2
6	<input type="checkbox"/>	1.000		1,516,599		A	2.1
7	<input type="checkbox"/>	1.000		1,491,190		A	2.5
8	<input type="checkbox"/>	1.000		1,492,713		A	2.9
9	<input type="checkbox"/>	1.000		1,460,861		A	0.6
10	<input type="checkbox"/>	1.000		1,440,030		A	1.6

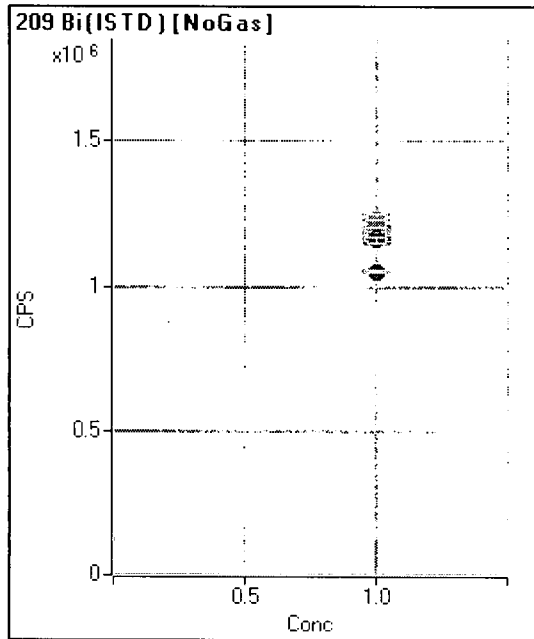


	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		2,224,244		A	4.6
2	<input type="checkbox"/>	1.000		2,215,424		A	2.8
3	<input type="checkbox"/>	1.000		2,268,848		A	3.9
4	<input type="checkbox"/>	1.000		2,253,523		A	2.1
5	<input type="checkbox"/>	1.000		2,247,618		A	1.4
6	<input type="checkbox"/>	1.000		2,245,136		A	4.9
7	<input type="checkbox"/>	1.000		2,229,244		A	3.3
8	<input type="checkbox"/>	1.000		2,163,956		A	4.8
9	<input type="checkbox"/>	1.000		2,190,595		A	1.3
10	<input type="checkbox"/>	1.000		2,078,573		A	1.4



	R/jct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD
1	<input type="checkbox"/>	1.000		904,973		P	1.8
2	<input type="checkbox"/>	1.000		910,899		P	0.7
3	<input type="checkbox"/>	1.000		906,518		P	2.0
4	<input type="checkbox"/>	1.000		913,156		P	2.3
5	<input type="checkbox"/>	1.000		910,027		P	1.8
6	<input type="checkbox"/>	1.000		916,934		P	1.4
7	<input type="checkbox"/>	1.000		901,439		P	3.2
8	<input type="checkbox"/>	1.000		908,445		P	2.5
9	<input type="checkbox"/>	1.000		868,131		P	0.1
10	<input type="checkbox"/>	1.000		806,235		P	1.5

Calibration for 018_ICV.d



	Ret	Conc	Calc Conc	CPS	Ratio	Det	RSD
1	<input type="checkbox"/>	1.000		1,185,729		M	3.9
2	<input type="checkbox"/>	1.000		1,203,074		M	1.5
3	<input type="checkbox"/>	1.000		1,221,588		M	5.0
4	<input type="checkbox"/>	1.000		1,228,231		M	3.8
5	<input type="checkbox"/>	1.000		1,205,555		P	1.0
6	<input type="checkbox"/>	1.000		1,211,250		M	3.6
7	<input type="checkbox"/>	1.000		1,195,183		M	1.9
8	<input type="checkbox"/>	1.000		1,172,552		P	3.1
9	<input type="checkbox"/>	1.000		1,163,389		P	1.6
10	<input type="checkbox"/>	1.000		1,057,797		P	1.0

P/A Factor Tuning Report

=====
 Current Sample
 Sample Name: 0E14035-ICV1
 Data File: 018_ICV.d
 Acquired: 5/14/2020 11:03:18

=====
 Detector Parameters and P/A Factors
 Discriminator: 4.5 mV
 AnalogHV: 1753 V
 PulseHV: 1095 V

Acquired: 5/14/2020 08:55:24

Mass[u]	Element	P/A Factor
6	Li	0.084457
23	Na	0.106805
24	Mg	0.111821
27	Al	0.114969
39	K	0.117553
44	Ca	0.120405
45	Sc	0.117492
56	Fe	0.126363
74	Ge	0.128108
103	Rh	0.130311
159	Tb	0.132859
209	Bi	0.134482
47	Ti	Signal too low
51	V	Signal too low
52	Cr	Signal too low
55	Mn	Signal too low
57	Fe	Signal too low
59	Co	Signal too low
60	Ni	Signal too low
65	Cu	Signal too low
66	Zn	Signal too low
95	Mo	Signal too low
107	Ag	Signal too low
111	Cd	Signal too low
121	Sb	Signal too low
138	Ba	Signal too low
205	Tl	Signal too low
206	[Pb]	Signal too low
207	[Pb]	Signal too low
208	Pb	Signal too low

====
 Independent Detector Parameters and P/A Factors
 Tune Mode Name: H2
 Discriminator: 4.5 mV
 AnalogHV: 1753 V
 PulseHV: 1095 V

Acquired: 5/14/2020 10:40:04

Mass[u]	Element	P/A Factor
44	Ca	0.119577
45	Sc	0.116525
56	Fe	0.124732
57	Fe	0.121872
74	Ge	0.126562
78	Se	Signal too low

 Tune Mode Name: He
 Discriminator: 4.5 mV
 AnalogHV: 1753 V
 PulseHV: 1095 V

Acquired: 5/14/2020 10:50:55

Mass[u]	Element	P/A Factor	PAFactor.txt
23	Na	0.105750	
24	Mg	0.110384	
27	Al	0.113142	
39	K	0.117082	
44	Ca	0.118192	
45	Sc	0.117098	
51	V	0.118190	
52	Cr	0.119962	
55	Mn	0.121023	
59	Co	0.123511	
60	Ni	0.124162	
65	Cu	0.128234	
66	Zn	0.125780	
103	Rh	0.128971	
107	Ag	0.129284	
111	Cd	0.127907	
138	Ba	0.129159	
159	Tb	0.130296	
205	Tl	0.133325	
209	Bi	0.132155	
74	Ge	Signal too low	
75	As	Signal too low	
95	Mo	Signal too low	
121	Sb	Signal too low	

Tune Mode Name: NoGas
Discriminator: 4.5 mV
AnalogHV: 1753 V
PulseHV: 1095 V

Acquired: 5/14/2020 10:52:07

Mass[u]	Element	P/A Factor
6	Li	0.082668
45	Sc	0.115370
47	Ti	0.115833
65	Cu	0.125707
74	Ge	0.125871
103	Rh	0.127843
111	Cd	0.128546
159	Tb	0.130051
182	W	0.130303
206	Pb	0.132022
207	Pb	0.131361
208	Pb	0.132455
209	Bi	0.132499
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

Created: 5/15/2020 08:47:04

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-ICV1	Total Dilution:	1.0000
File Name:	018_ICV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	ICV
Acq Time:	5/14/2020 11:03:18	I.S. Reference File:	008CALB.d
Comment:	A20E094 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.726	ppb	2.5	156,658	40	96.82	
Na	23	45	He	3869.447	ppb	1.2	8,951,474	4000	96.74	
Mg	24	45	He	4049.903	ppb	1.9	5,329,333	4000	101.25	
Al	27	45	He	3936.956	ppb	1.4	2,846,062	4000	98.42	
K	39	45	He	4032.089	ppb	1.4	4,717,812	4000	100.8	
Ca	44	45	H2	4101.535	ppb	4.3	1,604,415	4000	102.54	
[Ca]	44	45	He	3942.984	ppb	1.9	230,080	4000	98.57	
Ti	47	45	NoGas	97.856	ppb	3.1	181,876	100	97.86	
V	51	74	He	96.243	ppb	1.5	710,494	100	96.24	
Cr	52	74	He	98.060	ppb	1.6	829,133	100	98.06	
Mn	55	74	He	100.483	ppb	1.4	606,921	100	100.48	
Fe	56	74	H2	4083.958	ppb	4.8	86,382,845	4000	102.1	
Co	59	74	He	102.020	ppb	1.4	1,144,103	100	102.02	
Ni	60	74	He	101.707	ppb	1.1	285,984	100	101.71	
Cu	65	74	He	101.424	ppb	1.3	350,827	100	101.42	
Zn	66	74	He	97.285	ppb	1.7	128,833	100	97.28	
As	75	74	He	96.032	ppb	1.4	83,653	100	96.03	
Se	78	74	H2	38.766	ppb	4.6	18,881	40	96.92	
Mo	95	103	He	40.527	ppb	1.8	138,572	40	101.32	
Ag	107	103	He	40.947	ppb	1.2	404,901	40	102.37	
Cd	111	103	He	96.406	ppb	2.1	154,766	100	96.41	
[Cd]	111	103	NoGas	93.354	ppb	3.2	283,202	100	93.35	
Sb	121	103	He	39.572	ppb	0.9	184,840	40	98.93	
Ba	138	159	He	102.947	ppb	2.3	1,094,134	100	102.95	
Hg	201	159	NoGas	805.957	ppt	3.6	1,118	800	100.74	
Tl	205	159	He	38.863	ppb	2.1	734,360	40	97.16	
Pb	208	159	NoGas	99.640	ppb	3.3	3,088,370	100	99.64	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.6	1,332,520	1273530.34333333	104.6	
Sc	45	H2	Analog	4.5	4,419,632	4358787.67666667	101.4	
Sc	45	He	Pulse	1.6	747,906	759583.66	98.5	
Sc	45	NoGas	Analog	2.5	5,488,899	5454664.56333333	100.6	
Ge	74	H2	Analog	4.0	1,464,049	1464355.28333333	100.0	
Ge	74	He	Pulse	1.4	446,462	448917.35	99.5	
Ge	74	NoGas	Analog	2.8	1,430,083	1420023.47	100.7	
Rh	103	He	Pulse	1.4	990,879	999309.326666667	99.2	
Rh	103	NoGas	Analog	2.4	1,449,755	1442229.58	100.5	
Tb	159	He	Analog	1.6	1,538,930	1537809.17666667	100.1	
Tb	159	NoGas	Analog	3.0	2,287,662	2224243.80333333	102.9	
Bi	209	He	Pulse	1.3	923,553	904972.746666667	102.1	
Bi	209	NoGas	Analog	2.6	1,226,390	1185728.97666667	103.4	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-ICB1	Total Dilution: 1.0000
File Name: 019_ICB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type: ICB
Acq Time: 5/14/2020 11:08:15	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.012	ppb	22.8	132	
Na	23	45	He	3.094	ppb	5.8	29,582	
Mg	24	45	He	2.417	ppb	5.6	7,134	
Al	27	45	He	2.415	ppb	5.2	2,402	
K	39	45	He	2.410	ppb	72.4	108,650	
Ca	44	45	H2	3.132	ppb	18.7	3,656	
[Ca]	44	45	He	2.533	ppb	9.3	1,103	
Ti	47	45	NoGas	0.071	ppb	48.4	320	
V	51	74	He	0.002	ppb	499.3	2,466	
Cr	52	74	He	0.058	ppb	3.4	1,447	
Mn	55	74	He	0.119	ppb	7.1	1,016	
Fe	56	74	H2	3.112	ppb	4.2	124,462	
Co	59	74	He	0.028	ppb	6.7	556	
Ni	60	74	He	-0.036	ppb	N/A	463	
Cu	65	74	He	0.075	ppb	8.8	490	
Zn	66	74	He	0.110	ppb	30.5	311	
As	75	74	He	0.033	ppb	21.3	105	
Se	78	74	H2	0.041	ppb	20.0	24	
Mo	95	103	He	0.024	ppb	42.1	142	
Ag	107	103	He	0.011	ppb	40.1	130	
Cd	111	103	He	0.042	ppb	9.3	73	
[Cd]	111	103	NoGas	0.019	ppb	15.5	68	
Sb	121	103	He	0.295	ppb	10.9	1,437	
Ba	138	159	He	0.124	ppb	3.3	1,592	
Hg	201	159	NoGas	9.339	ppt	14.5	28	
Tl	205	159	He	0.019	ppb	17.3	380	
Pb	208	159	NoGas	0.031	ppb	8.7	1,314	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	5.2	1,330,449	1273530.34333333	104.5	
Sc	45	H2	Analog	3.7	4,134,403	4358787.67666667	94.9	
Sc	45	He	Pulse	1.5	759,446	759583.66	100.0	
Sc	45	NoGas	Analog	2.4	5,443,160	5454664.56333333	99.8	
Ge	74	H2	Analog	3.1	1,402,828	1464355.28333333	95.8	
Ge	74	He	Pulse	1.1	448,867	448917.35	100.0	
Ge	74	NoGas	Analog	2.1	1,441,315	1420023.47	101.5	
Rh	103	He	Pulse	1.6	1,003,656	999309.32666667	100.4	
Rh	103	NoGas	Analog	4.9	1,439,328	1442229.58	99.8	
Tb	159	He	Analog	1.4	1,531,343	1537809.17666667	99.6	
Tb	159	NoGas	Analog	3.5	2,266,285	2224243.80333333	101.9	
Bi	209	He	Pulse	0.9	920,176	904972.74666667	101.7	
Bi	209	NoGas	Mix	2.5	1,220,577	1185728.97666667	102.9	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL1	Total Dilution:	1.0000
File Name:	020CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL1
Acq Time:	5/14/2020 11:13:19	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.180	ppb	6.6	810	100	
Na	23	45	He	9.696	ppb	8.0	45,351	107.73	
Mg	24	45	He	9.360	ppb	3.7	16,518	104	
Al	27	45	He	9.094	ppb	8.9	7,347	101.04	
K	39	45	He	9.285	µpb	23.0	117,460	103.17	
Ca	44	45	H2	55.878	ppb	5.9	24,274	103.48	
[Ca]	44	45	He	51.431	ppb	4.4	4,016	95.24	
Ti	47	45	NoGas	0.213	ppb	12.3	596	118.33	
V	51	74	He	0.172	ppb	11.0	3,759	95.56	
Cr	52	74	He	0.184	ppb	6.0	2,534	102.22	
Mn	55	74	He	0.202	ppb	1.9	1,529	112.22	
Fe	56	74	H2	9.053	ppb	2.9	257,489	100.59	
Co	59	74	He	0.180	ppb	11.0	2,290	100	
Ni	60	74	He	0.064	ppb	19.3	753	35.56	R-11
Cu	65	74	He	0.210	ppb	17.1	968	116.67	
Zn	66	74	He	0.224	ppb	7.8	467	124.44	
As	75	74	He	0.173	ppb	8.8	230	96.11	
Se	78	74	H2	0.188	ppb	16.5	98	104.44	
Mo	95	103	He	0.203	ppb	3.9	772	112.78	
Ag	107	103	He	0.186	ppb	3.5	1,906	103.33	
Cd	111	103	He	0.181	ppb	12.1	302	100.56	
[Cd]	111	103	NoGas	0.184	µpb	10.0	577	102.22	
Sb	121	103	He	0.242	ppb	3.2	1,201	134.44	R-11
Ba	138	159	He	0.205	ppb	11.2	2,482	113.89	
Hg	201	159	NoGas	6.437	ppt	42.6	24	89.4	
Tl	205	159	He	0.181	ppb	2.6	3,485	100.56	
Pb	208	159	NoGas	0.198	ppb	1.7	6,523	110	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.9	1,331,172	1273530.34333333	104.5	
Sc	45	H2	Analog	3.4	4,377,118	4358787.67666667	100.4	
Sc	45	He	Pulse	2.9	764,988	759583.66	100.7	
Sc	45	NoGas	Analog	3.0	5,570,609	5454664.56333333	102.1	
Ge	74	H2	Analog	2.2	1,475,096	1464355.28333333	100.7	
Ge	74	He	Pulse	2.2	452,999	448917.35	100.9	
Ge	74	NoGas	Analog	1.7	1,466,939	1420023.47	103.3	
Rh	103	He	Pulse	2.9	1,014,414	999309.32666667	101.5	
Rh	103	NoGas	Analog	2.3	1,471,574	1442229.58	102.0	
Tb	159	He	Analog	3.5	1,557,576	1537809.17666667	101.3	
Tb	159	NoGas	Analog	3.7	2,294,728	2224243.80333333	103.2	
Bi	209	He	Pulse	2.6	922,165	904972.74666667	101.9	
Bi	209	NoGas	Mix	4.7	1,246,274	1185728.97666667	105.1	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL2	Total Dilution:	1.0000
File Name:	021_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL2
Acq Time:	5/14/2020 11:18:22	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.896	ppb	3.0	3,666	99.56	
Na	23	45	He	45.227	ppb	3.5	128,909	100.5	
Mg	24	45	He	45.028	ppb	3.2	64,330	100.06	
Al	27	45	He	45.831	ppb	3.3	34,423	101.85	
K	39	45	He	46.889	ppb	8.1	161,089	104.2	
Ca	44	45	H2	293.979	ppb	3.6	113,959	108.88	
[Ca]	44	45	He	267.013	ppb	5.1	16,785	98.89	
Ti	47	45	NoGas	0.920	ppb	5.1	1,913	102.22	
V	51	74	He	0.894	ppb	4.1	9,216	99.33	
Cr	52	74	He	0.903	ppb	2.4	8,770	100.33	
Mn	55	74	He	0.927	ppb	6.0	6,014	103	
Fe	56	74	H2	46.766	ppb	3.3	1,046,611	103.92	
Co	59	74	He	0.920	ppb	3.4	10,789	102.22	
Ni	60	74	He	0.750	ppb	4.4	2,725	83.33	
Cu	65	74	He	0.948	ppb	9.3	3,584	105.33	
Zn	66	74	He	0.999	ppb	1.1	1,519	111	
As	75	74	He	0.883	ppb	1.7	864	98.11	
Se	78	74	H2	0.988	ppb	8.7	484	109.78	
Mo	95	103	He	0.946	ppb	6.1	3,353	105.11	
Ag	107	103	He	0.940	ppb	1.1	9,490	104.44	
Cd	111	103	He	0.897	ppb	2.0	1,474	99.67	
[Cd]	111	103	NoGas	0.881	ppb	6.8	2,733	97.89	
Sb	121	103	He	0.963	ppb	4.9	4,625	107	
Ba	138	159	He	0.960	ppb	3.3	10,588	106.67	
Hg	201	159	NoGas	39.231	ppt	17.1	69	108.98	
Tl	205	159	He	0.860	ppb	3.9	16,444	95.56	
Pb	208	159	NoGas	0.928	ppb	2.8	29,037	103.11	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.4	1,317,715	1273530.34333333	103.5	
Sc	45	H2	Analog	2.1	4,283,391	4358787.67666667	98.3	
Sc	45	He	Pulse	2.4	763,227	759583.66	100.5	
Sc	45	NoGas	Analog	1.5	5,526,243	5454664.56333333	101.3	
Ge	74	H2	Analog	1.1	1,454,453	1464355.28333333	99.3	
Ge	74	He	Pulse	2.1	456,493	448917.35	101.7	
Ge	74	NoGas	Analog	2.0	1,457,406	1420023.47	102.6	
Rh	103	He	Pulse	2.3	1,010,031	999309.32666667	101.1	
Rh	103	NoGas	Analog	1.8	1,476,707	1442229.58	102.4	
Tb	159	He	Analog	3.4	1,555,225	1537809.17666667	101.1	
Tb	159	NoGas	Analog	2.0	2,277,966	2224243.80333333	102.4	
Bi	209	He	Pulse	1.5	924,247	904972.74666667	102.1	
Bi	209	NoGas	Mix	1.9	1,240,263	1185728.97666667	104.6	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL3	Total Dilution:	1.0000
File Name:	022CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type:	CRL3
Acq Time:	5/14/2020 11:23:33	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.729	ppb	8.1	7,203	96.06	
Na	23	45	He	90.938	ppb	7.3	236,829	101.04	
Mg	24	45	He	91.369	ppb	6.3	126,691	101.52	
Al	27	45	He	91.932	ppb	6.2	68,522	102.15	
K	39	45	He	91.783	ppb	11.1	213,849	101.98	
Ca	44	45	H2	578.800	ppb	2.3	225,910	107.19	
[Ca]	44	45	He	520.974	ppb	6.5	31,892	96.48	
Ti	47	45	NoGas	1.766	ppb	5.5	3,604	98.11	
V	51	74	He	1.823	ppb	5.0	16,146	101.28	
Cr	52	74	He	1.861	ppb	4.2	16,970	103.39	
Mn	55	74	He	1.839	ppb	3.4	11,605	102.17	
Fe	56	74	H2	99.029	ppb	3.1	2,153,042	110.03	
Co	59	74	He	1.856	ppb	5.8	21,421	103.11	
Ni	60	74	He	1.767	ppb	5.7	5,622	98.17	
Cu	65	74	He	1.912	ppb	6.4	6,960	106.22	
Zn	66	74	He	1.795	ppb	6.8	2,582	99.72	
As	75	74	He	1.771	ppb	4.3	1,647	98.39	
Se	78	74	H2	1.945	ppb	0.5	951	108.06	
Mo	95	103	He	1.858	ppb	6.5	6,520	103.22	
Ag	107	103	He	1.893	ppb	6.5	19,052	105.17	
Cd	111	103	He	1.784	ppb	4.4	2,919	99.11	
[Cd]	111	103	NoGas	1.649	ppb	4.9	5,240	91.61	
Sb	121	103	He	1.911	ppb	6.0	9,115	106.17	
Ba	138	159	He	1.971	ppb	8.4	21,113	109.5	
Hg	201	159	NoGas	62.710	ppt	11.4	103	87.1	
Tl	205	159	He	1.773	ppb	6.5	33,389	98.5	
Pb	208	159	NoGas	1.761	ppb	2.7	56,118	97.83	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.7	1,357,604	1273530.34333333	106.6	
Sc	45	H2	Analog	1.7	4,360,810	4358787.67666667	100.0	
Sc	45	He	Pulse	5.7	765,811	759583.66	100.8	
Sc	45	NoGas	Analog	2.2	5,696,742	5454664.56333333	104.4	
Ge	74	H2	Analog	3.0	1,460,328	1464355.28333333	99.7	
Ge	74	He	Pulse	4.1	455,131	448917.35	101.4	
Ge	74	NoGas	Analog	1.3	1,501,145	1420023.47	105.7	
Rh	103	He	Pulse	5.7	1,009,762	999309.32666667	101.0	
Rh	103	NoGas	Analog	2.2	1,515,655	1442229.58	105.1	
Tb	159	He	Analog	6.5	1,536,048	1537809.17666667	99.9	
Tb	159	NoGas	Analog	3.0	2,335,625	2224243.80333333	105.0	
Bi	209	He	Pulse	5.0	927,303	904972.74666667	102.5	
Bi	209	NoGas	Mix	3.3	1,254,103	1185728.97666667	105.8	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL4	Total Dilution:	1.0000
File Name:	023CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL4
Acq Time:	5/14/2020 11:28:36	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.625	ppb	6.1	14,470	100.69	
Na	23	45	He	180.394	ppb	2.4	451,927	100.22	
Mg	24	45	He	179.302	ppb	2.0	247,109	99.61	
Al	27	45	He	182.269	ppb	1.9	136,483	101.26	
K	39	45	He	182.957	ppb	4.0	323,337	101.64	
Ca	44	45	H2	1102.015	ppb	5.0	439,805	102.04	
[Ca]	44	45	He	1046.446	ppb	3.2	63,671	96.89	
Ti	47	45	NoGas	3.453	ppb	6.5	6,693	95.92	
V	51	74	He	3.630	ppb	1.7	29,660	100.83	
Cr	52	74	He	3.622	ppb	1.5	32,095	100.61	
Mn	55	74	He	3.576	ppb	4.0	22,257	99.33	
Fe	56	74	H2	188.116	ppb	5.8	4,130,663	104.51	
Co	59	74	He	3.732	ppb	2.5	42,826	103.67	
Ni	60	74	He	3.591	ppb	6.3	10,822	99.75	
Cu	65	74	He	3.794	ppb	2.0	13,578	105.39	
Zn	66	74	He	3.657	ppb	2.6	5,090	101.58	
As	75	74	He	3.585	ppb	4.6	3,252	99.58	
Se	78	74	H2	3.561	ppb	9.3	1,777	98.92	
Mo	95	103	He	3.656	ppb	2.2	12,774	101.56	
Ag	107	103	He	3.713	ppb	1.5	37,378	103.14	
Cd	111	103	He	3.591	ppb	4.5	5,868	99.75	
[Cd]	111	103	NoGas	3.376	ppb	3.6	10,338	93.78	
Sb	121	103	He	3.667	ppb	3.0	17,462	101.86	
Ba	138	159	He	3.802	ppb	4.0	41,106	105.61	
Hg	201	159	NoGas	144.021	ppl	7.4	214	100.01	
Tl	205	159	He	3.472	ppb	3.1	66,348	96.44	
Pb	208	159	NoGas	3.559	ppb	4.9	111,616	98.86	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	5.9	1,310.658	1273530.34333333	102.9	
Sc	45	H2	Analog	3.7	4,488.379	4358787.67666667	103.0	
Sc	45	He	Pulse	2.0	771,328	759583.66	101.5	
Sc	45	NoGas	Analog	4.3	5,570.596	5454664.56333333	102.1	
Ge	74	H2	Analog	3.7	1,497,105	1464355.28333333	102.2	
Ge	74	He	Pulse	1.7	454,324	448917.35	101.2	
Ge	74	NoGas	Analog	3.1	1,448,899	1420023.47	102.0	
Rh	103	He	Pulse	2.1	1,008,227	999309.32666667	100.9	
Rh	103	NoGas	Analog	4.3	1,462,816	1442229.58	101.4	
Tb	159	He	Analog	3.2	1,556,066	1537809.17666667	101.2	
Tb	159	NoGas	Analog	4.3	2,308,944	2224243.80333333	103.8	
Bi	209	He	Pulse	1.7	926,386	904972.74666667	102.4	
Bi	209	NoGas	Mix	4.4	1,242,463	1185728.97666667	104.8	

Quantitation Report ICPMS5

File Name 0241CSA.d
 File Path C:\Agilent\ICPMH\1\DATA\0E14035.b
 Acq Time 5/14/2020 11:36:10 Sample Type
 Sample Name **0E14035-IFA1** ICSA
 Comment **A20E090** Last Calib 05/14/2020 10:57:32
 Prep Dilution 1.0000 Vial: 1111
 Total Dilution **1.0000** Operator Name ICPMS

FullQuant Table

Element	Mass	ISTD	Tune Mode	Raw Conc	Corrected Conc.	Units	RSD(%)	ExpectedValue	QC Flag
Be	9	6	NoGas	-0.002	-0.002	ppb	N/A		
Na	23	45	He	256502.809	256502.809	ppb	2.4		
Mg	24	45	He	102824.172	102824.172	ppb	3.0	100000	
Al	27	45	He	103241.06	103241.060	ppb	2.8	100000	
K	39	45	He	101919.225	101919.225	ppb	2.6	100000	
Ca	44	45	H2	316558.245	316558.245	ppb	2.8		
[Ca]	44	45	He	302737.324	302737.324	ppb	2.9		
Ti	47	45	NoGas	2133.372	2133.372	ppb	0.6		
V	51	74	He	0.294	0.294	ppb	10.0	2	
Cr	52	74	He	1.338	1.338	ppb	4.2	2	
Mn	55	74	He	3.29	3.290	ppb	4.2	2	> CRI
Fe	56	74	H2	273142.226	273142.226	ppb	2.2		
Co	59	74	He	0.752	0.752	ppb	3.1		
Ni	60	74	He	0.46	0.460	ppb	11.0	2	
Cu	65	74	He	0.624	0.624	ppb	1.5	2	
Zn	66	74	He	1.122	1.122	ppb	9.3	4	
As	75	74	He	0.189	0.189	ppb	4.7	0.9	
Se	78	74	H2	0.106	0.106	ppb	5.9	0.9	
Mo	95	103	He	2350.994	2350.994	ppb	1.8	2000	
Ag	107	103	He	0.025	0.025	ppb	13.6		
Cd	111	103	He	6.537	6.537	ppb	3.6		
[Cd]	111	103	NoGas	0.384	0.384	ppb	34.1		
Sb	121	103	He	0.17	0.170	ppb	6.4	0.9	
Ba	138	159	He	0.606	0.606	ppb	4.3	2	> CRI
W	182	159	NoGas	100.784	100.784	ppb	0.9		
Hg	201	159	NoGas	79.882	79.882	ppt	13.0		
Tl	205	159	He	0.004	0.004	ppb	48.6	0.9	
Pb	208	159	NoGas	0.206	0.206	ppb	2.4		

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Li	6	NoGas	1,072,052	3.4	1273530.34333333	Analog	84.2	
Sc	45	H2	3,648,021	3.1	4358787.67666667	Analog	83.7	
Sc	45	He	604,977	2.6	759583.66	Pulse	79.6	
Sc	45	NoGas	4,177,225	0.8	5454664.56333333	Analog	76.6	
Ge	74	H2	1,082,885	2.3	1464355.28333333	Pulse	73.9	
Ge	74	He	345,200	2.4	448917.35	Pulse	76.9	
Ge	74	NoGas	1,020,833	0.2	1420023.47	Pulse	71.9	
Rh	103	He	709,752	2.4	999309.32666667	Pulse	71.0	
Rh	103	NoGas	954,316	0.5	1442229.58	Pulse	66.2	IS Q-06
Tb	159	He	1,219,520	3.4	1537809.17666667	Analog	79.3	
Tb	159	NoGas	1,781,346	1.1	2224243.80333333	Analog	80.1	
Bi	209	He	672,324	2.1	904972.74666667	Pulse	74.3	
Bi	209	NoGas	883,996	0.3	1185728.97666667	Pulse	74.6	

Quantitation Report ICPMS5

File Name 025ICSB.d
 File Path C:\Agilent\ICPMH\1\DATA\0E14035.b
 Acq Time 5/14/2020 11:41:12 Sample Type
 Sample Name **OE14035-IFB1** ICSB
 Comment **A20E091** Last Calib 05/14/2020 10:57:32
 Prep Dilution 1.0000 Vial: 1112
 Total Dilution **1.0000** Operator Name ICPMS Analyst

FullQuant Table

Element	Mass	ISTD	Tune Mode	Raw Conc	Corrected Conc.	Units	RSD(%)	ExpectedValue	QC Flag
Be	9	6	NoGas	0.003	0.003	ppb	80.6		
Na	23	45	He	249695.58	249695.580	ppb	2.2		
Mg	24	45	He	99939.646	99939.646	ppb	1.6	100000	
Al	27	45	He	100976.455	100976.455	ppb	2.0	100000	
K	39	45	He	98367.874	98367.874	ppb	1.4	100000	
Ca	44	45	H2	321371.983	321371.983	ppb	8.2		
[Ca]	44	45	He	292067.836	292067.836	ppb	0.8		
Ti	47	45	NoGas	2140.957	2140.957	ppb	4.0		
V	51	74	He	203.339	203.339	ppb	1.5	200	
Cr	52	74	He	203.339	203.339	ppb	3.7	200	
Mn	55	74	He	206.635	206.635	ppb	1.2	200	
Fe	56	74	H2	280747.755	280747.755	ppb	6.8		
Co	59	74	He	201.605	201.605	ppb	2.2		
Ni	60	74	He	187.455	187.455	ppb	1.4	200	
Cu	65	74	He	186.214	186.214	ppb	1.1	200	
Zn	66	74	He	91.207	91.207	ppb	0.8	100	
As	75	74	He	99.051	99.051	ppb	1.5	100	
Se	78	74	H2	110.557	110.557	ppb	6.8	100	
Mo	95	103	He	2256.015	2256.015	ppb	0.8	2000	
Ag	107	103	He	49.563	49.563	ppb	1.4	50	
Cd	111	103	He	104.593	104.593	ppb	1.3		
[Cd]	111	103	NoGas	103.111	103.111	ppb	3.6		
Sb	121	103	He	0.141	0.141	ppb	18.4	0.9	
Ba	138	159	He	1.234	1.234	ppb	1.8	2	> +/- 10%
W	182	159	NoGas	100.362	100.362	ppb	3.5		
Hg	201	159	NoGas	2122.396	2122.396	ppt	2.4		
Tl	205	159	He	0.003	0.003	ppb	22.5	0.9	
Pb	208	159	NoGas	0.198	0.198	ppb	6.8		

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Li	6	NoGas	1,074,656	2.0	1273530.34333333	Analog	84.4	
Sc	45	H2	3,300,251	8.0	4358787.67666667	Analog	75.7	
Sc	45	He	575,171	1.7	759583.66	Pulse	75.7	
Sc	45	NoGas	3,978,613	3.3	5454664.56333333	Analog	72.9	
Ge	74	H2	999,430	5.8	1464355.28333333	Pulse	68.3	IS Q-06
Ge	74	He	332,936	1.2	448917.35	Pulse	74.2	
Ge	74	NoGas	995,406	2.6	1420023.47	Pulse	70.1	
Rh	103	He	704,336	1.1	999309.326666667	Pulse	70.5	
Rh	103	NoGas	939,768	2.7	1442229.58	Pulse	65.2	IS Q-06
Tb	159	He	1,204,521	1.6	1537809.17666667	Analog	78.3	
Tb	159	NoGas	1,744,656	2.8	2224243.80333333	Analog	78.4	
Bi	209	He	671,709	1.5	904972.746666667	Pulse	74.2	
Bi	209	NoGas	874,794	2.6	1185728.97666667	Pulse	73.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV1	Total Dilution:	1.0000
File Name:	036_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 12:37:22	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.203	ppb	2.6	150,676	40	98.01	
Na	23	45	He	3836.897	ppb	4.0	8,255,862	4000	95.92	
Mg	24	45	He	4092.984	ppb	3.8	5,009,721	4000	102.32	
Al	27	45	He	3957.893	ppb	4.2	2,661,087	4000	98.95	
K	39	45	He	4035.388	ppb	5.0	4,390,590	4000	100.88	
Ca	44	45	H2	4325.258	ppb	0.6	1,531,030	4000	108.13	
[Ca]	44	45	He	3886.423	ppb	3.5	210,965	4000	97.16	
Ti	47	45	NoGas	100.231	ppb	1.4	171,800	100	100.23	
V	51	74	He	95.901	ppb	2.8	658,832	100	95.9	
Cr	52	74	He	96.368	ppb	2.9	758,281	100	96.37	
Mn	55	74	He	98.757	ppb	2.6	555,105	100	98.76	
Fe	56	74	H2	4232.064	ppb	0.6	82,210,220	4000	105.8	
Co	59	74	He	100.247	ppb	2.2	1,046,254	100	100.25	
Ni	60	74	He	99.428	ppb	2.3	260,192	100	99.43	
Cu	65	74	He	99.324	ppb	2.6	319,719	100	99.32	
Zn	66	74	He	94.578	ppb	2.8	116,560	100	94.58	
As	75	74	He	96.476	ppb	2.3	78,212	100	96.48	
Se	78	74	H2	39.851	ppb	0.8	17,825	40	99.63	
Mo	95	103	He	40.594	ppb	3.2	128,597	40	101.48	
Ag	107	103	He	40.486	ppb	4.0	370,818	40	101.21	
Cd	111	103	He	95.635	ppb	3.2	142,244	100	95.64	
[Cd]	111	103	NoGas	93.272	ppb	0.6	263,168	100	93.27	
Sb	121	103	He	39.544	ppb	4.2	171,073	40	98.86	
Ba	138	159	He	99.091	ppb	3.4	1,019,472	100	99.09	
Hg	201	159	NoGas	788.179	ppt	1.1	1,040	800	98.52	
Tl	205	159	He	37.204	ppb	2.7	680,605	40	93.01	
Pb	208	159	NoGas	102.109	ppb	1.0	3,008,709	100	102.11	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.2	1,266,424	1273530.34333333	99.4	
Sc	45	H2	Analog	0.6	3,994,485	4358787.67666667	91.6	
Sc	45	He	Pulse	3.2	696,079	759583.66	91.6	
Sc	45	NoGas	Analog	1.5	5,060,194	5454664.56333333	92.8	
Ge	74	H2	Analog	1.5	1,342,972	1464355.28333333	91.7	
Ge	74	He	Pulse	2.4	415,598	448917.35	92.6	
Ge	74	NoGas	Analog	1.5	1,355,467	1420023.47	95.5	
Rh	103	He	Pulse	3.4	918,554	999309.32666667	91.9	
Rh	103	NoGas	Analog	1.6	1,347,769	1442229.58	93.5	
Tb	159	He	Analog	3.3	1,490,443	1537809.17666667	96.9	
Tb	159	NoGas	Analog	1.3	2,173,449	2224243.80333333	97.7	
Bi	209	He	Pulse	4.1	867,721	904972.74666667	95.9	
Bi	209	NoGas	Pulse	1.6	1,121,782	1185728.97666667	94.6	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB1	Total Dilution: 1.0000
File Name: 037_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type: CCB
Acq Time: 5/14/2020 12:42:21	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.010	ppb	49.3	121	
Na	23	45	He	4.605	ppb	6.7	30.838	
Mg	24	45	He	0.529	ppb	8.5	4.296	
Al	27	45	He	0.917	ppb	9.8	1,213	
K	39	45	He	-2.314	ppb	N/A	96.023	
Ca	44	45	H2	1.362	ppb	22.3	2,906	
[Ca]	44	45	He	-0.783	ppb	N/A	846	
Ti	47	45	NoGas	0.042	ppb	48.7	258	
V	51	74	He	0.046	ppb	33.0	2,603	
Cr	52	74	He	0.000	ppb	N/A	882	
Mn	55	74	He	0.023	ppb	28.5	398	
Fe	56	74	H2	1.518	ppb	7.8	89,884	
Co	59	74	He	0.014	ppb	23.3	364	
Ni	60	74	He	-0.082	ppb	N/A	310	
Cu	65	74	He	0.006	ppb	216.1	233	
Zn	66	74	He	-0.009	ppb	N/A	142	
As	75	74	He	0.032	ppb	52.0	98	
Se	78	74	H2	0.035	ppb	41.9	21	
Mo	95	103	He	0.027	ppb	36.2	143	
Ag	107	103	He	0.005	ppb	13.2	68	
Cd	111	103	He	0.022	ppb	36.9	38	
[Cd]	111	103	NoGas	0.017	ppb	33.9	61	
Sb	121	103	He	0.127	ppb	3.7	600	
Ba	138	159	He	0.015	ppb	12.1	431	
Hg	201	159	NoGas	3.435	ppt	90.7	20	
Tl	205	159	He	0.013	ppb	10.5	281	
Pb	208	159	NoGas	0.019	ppb	13.8	956	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.8	1,283,584	1273530.34333333	100.8	
Sc	45	H2	Analog	6.5	3,985,629	4358787.67666667	91.4	
Sc	45	He	Pulse	3.2	707,255	759583.66	93.1	
Sc	45	NoGas	Analog	0.8	5,280,329	5454664.56333333	96.8	
Ge	74	H2	Analog	3.9	1,369,122	1464355.28333333	93.5	
Ge	74	He	Pulse	1.8	418,461	448917.35	93.2	
Ge	74	NoGas	Analog	1.1	1,409,622	1420023.47	99.3	
Rh	103	He	Pulse	3.6	939,290	999309.32666667	94.0	
Rh	103	NoGas	Analog	1.6	1,410,722	1442229.58	97.8	
Tb	159	He	Analog	2.8	1,513,169	1537809.17666667	98.4	
Tb	159	NoGas	Analog	2.0	2,241,873	2224243.80333333	100.8	
Bi	209	He	Pulse	2.5	862,081	904972.74666667	95.3	
Bi	209	NoGas	Pulse	0.8	1,134,309	1185728.97666667	95.7	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV2	Total Dilution:	1.0000
File Name:	048_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 13:45:19	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.483	ppb	8.2	151,575	40	96.21	
Na	23	45	He	3994.947	ppb	2.3	8,497,304	4000	99.87	
Mg	24	45	He	4196.076	ppb	2.3	5,077,507	4000	104.9	
Al	27	45	He	4083.725	ppb	2.3	2,714,550	4000	102.09	
K	39	45	He	4142.729	ppb	1.8	4,454,996	4000	103.57	
Ca	44	45	H2	4420.559	ppb	8.1	1,547,419	4000	110.51	> +/- 10%
[Ca]	44	45	He	3988.763	ppb	2.0	214,031	4000	99.72	
Ti	47	45	NoGas	96.005	ppb	6.9	171,974	100	96	
V	51	74	He	98.166	ppb	1.0	672,259	100	98.17	
Cr	52	74	He	98.839	ppb	1.1	775,308	100	98.84	
Mn	55	74	He	101.080	ppb	1.2	566,378	100	101.08	
Fe	56	74	H2	4364.598	ppb	11.1	82,799,268	4000	109.11	
Co	59	74	He	103.106	ppb	1.2	1,072,658	100	103.11	
Ni	60	74	He	103.160	ppb	0.9	269,087	100	103.16	
Cu	65	74	He	102.674	ppb	0.8	329,476	100	102.67	
Zn	66	74	He	97.609	ppb	0.5	119,924	100	97.61	
As	75	74	He	97.427	ppb	0.5	78,735	100	97.43	
Se	78	74	H2	41.474	ppb	11.2	18,115	40	103.68	
Mo	95	103	He	41.423	ppb	1.4	129,692	40	103.56	
Ag	107	103	He	41.883	ppb	0.9	379,223	40	104.71	
Cd	111	103	He	98.032	ppb	1.4	144,107	100	98.03	
[Cd]	111	103	NoGas	89.589	ppb	5.2	263,560	100	89.59	> +/- 10%
Sb	121	103	He	40.315	ppb	0.2	172,429	40	100.79	
Ba	138	159	He	101.453	ppb	0.3	1,023,823	100	101.45	
Hg	201	159	NoGas	801.828	ppt	9.7	1,079	800	100.23	
Tl	205	159	He	38.193	ppb	0.3	685,265	40	95.48	
Pb	208	159	NoGas	98.368	ppb	5.9	2,961,004	100	98.37	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	7.4	1,302,128	1273530.34333333	102.2	
Sc	45	H2	Analog	8.3	3,968,075	4358787.67666667	91.0	
Sc	45	He	Pulse	1.7	687,801	759583.66	90.5	
Sc	45	NoGas	Analog	5.0	5,299,380	5454664.56333333	97.2	
Ge	74	H2	Mix	8.3	1,319,500	1464355.28333333	90.1	
Ge	74	He	Pulse	1.0	414,157	448917.35	92.3	
Ge	74	NoGas	Analog	1.2	1,399,149	1420023.47	98.5	
Rh	103	He	Pulse	0.9	907,245	999309.32666667	90.8	
Rh	103	NoGas	Analog	4.5	1,407,415	1442229.58	97.6	
Tb	159	He	Analog	0.7	1,460,884	1537809.17666667	95.0	
Tb	159	NoGas	Analog	5.1	2,224,715	2224243.80333333	100.0	
Bi	209	He	Pulse	1.0	850,520	904972.74666667	94.0	
Bi	209	NoGas	Mix	6.9	1,171,170	1185728.97666667	98.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV3	Total Dilution:	1.0000
File Name:	049_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 13:50:18	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.771	ppb	2.8	150,610	40	96.93	
Na	23	45	He	3876.326	ppb	3.5	8,463,295	4000	96.91	
Mg	24	45	He	4082.544	ppb	4.0	5,070.015	4000	102.06	
Al	27	45	He	3939.100	ppb	3.9	2,687.268	4000	98.48	
K	39	45	He	4032.138	ppb	3.7	4,452.779	4000	100.8	
Ca	44	45	H2	4190.899	ppb	4.7	1,528,022	4000	104.77	
[Ca]	44	45	He	3899.936	ppb	3.5	214,807	4000	97.5	
Ti	47	45	NoGas	96.628	ppb	4.6	172,104	100	96.63	
V	51	74	He	95.412	ppb	3.2	666.623	100	95.41	
Cr	52	74	He	96.715	ppb	3.7	773.879	100	96.72	
Mn	55	74	He	97.860	ppb	3.0	559,421	100	97.86	
Fe	56	74	H2	4077.248	ppb	3.4	82,327,652	4000	101.93	
Co	59	74	He	100.991	ppb	3.4	1,071,795	100	100.99	
Ni	60	74	He	100.752	ppb	3.7	268,092	100	100.75	
Cu	65	74	He	100.237	ppb	3.3	328,126	100	100.24	
Zn	66	74	He	95.672	ppb	3.2	119,913	100	95.67	
As	75	74	He	95.186	ppb	3.3	78,470	100	95.19	
Se	78	74	H2	38.888	ppb	3.9	18,079	40	97.22	
Mo	95	103	He	40.027	ppb	3.9	129,353	40	100.07	
Ag	107	103	He	40.203	ppb	3.5	375,748	40	100.51	
Cd	111	103	He	94.666	ppb	4.1	143,632	100	94.67	
[Cd]	111	103	NoGas	90.377	ppb	3.2	262,283	100	90.38	
Sb	121	103	He	39.261	ppb	5.1	173,265	40	98.15	
Ba	138	159	He	98.399	ppb	4.7	1,016,639	100	98.4	
Hg	201	159	NoGas	816.426	ppb	5.7	1,097	800	102.05	
Tl	205	159	He	37.390	ppb	5.0	686,736	40	93.48	
Pb	208	159	NoGas	97.583	ppb	4.3	2,928,928	100	97.58	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	1.9	1,279,382	1273530.34333333	100.5	
Sc	45	H2	Analog	3.9	4,119,384	4358787.67666667	94.5	
Sc	45	He	Pulse	3.8	706,407	759583.66	93.0	
Sc	45	NoGas	Analog	3.8	5,263,369	5454664.56333333	96.5	
Ge	74	H2	Analog	3.9	1,397,050	1464355.28333333	95.4	
Ge	74	He	Pulse	2.7	422,711	448917.35	94.2	
Ge	74	NoGas	Analog	2.6	1,405,692	1420023.47	90.0	
Rh	103	He	Pulse	3.7	937,281	999309.32666667	93.8	
Rh	103	NoGas	Analog	2.8	1,387,036	1442229.58	96.2	
Tb	159	He	Analog	4.3	1,497,633	1537809.17666667	97.4	
Tb	159	NoGas	Analog	3.8	2,216,259	2224243.80333333	99.6	
Bi	209	He	Pulse	3.3	871,816	904972.74666667	96.3	
Bi	209	NoGas	Mix	6.1	1,170,489	1185728.97666667	98.7	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB2	Total Dilution: 1.0000
File Name: 050_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type: CCB
Acq Time: 5/14/2020 13:55:17	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.004	ppb	114.0	99	
Na	23	45	He	0.283	ppb	27.5	21,630	
Mg	24	45	He	0.167	ppb	10.9	3,883	
Al	27	45	He	0.588	ppb	19.9	998	
K	39	45	He	-0.812	ppb	N/A	98,683	
Ca	44	45	H2	0.098	ppb	435.4	2,546	
[Ca]	44	45	He	-1.947	ppb	N/A	789	
Ti	47	45	NoGas	0.045	ppb	69.4	265	
V	51	74	He	0.052	ppb	17.1	2,667	
Cr	52	74	He	-0.002	ppb	N/A	874	
Mn	55	74	He	0.019	ppb	26.3	383	
Fe	56	74	H2	1.399	ppb	13.0	88,333	
Co	59	74	He	0.015	ppb	17.1	379	
Ni	60	74	He	-0.058	ppb	N/A	376	
Cu	65	74	He	0.004	ppb	481.5	228	
Zn	66	74	He	0.039	ppb	55.5	203	
As	75	74	He	0.015	ppb	94.5	84	
Se	78	74	H2	0.048	ppb	10.8	27	
Mo	95	103	He	0.027	ppb	18.4	146	
Ag	107	103	He	0.005	ppb	55.5	69	
Cd	111	103	He	0.026	ppb	16.2	45	
[Cd]	111	103	NoGas	0.017	ppb	77.3	58	
Sb	121	103	He	0.166	ppb	5.9	781	
Ba	138	159	He	0.010	ppb	19.3	381	
Hg	201	159	NoGas	3.597	ppt	102.9	20	
Tl	205	159	He	0.013	ppb	23.5	274	
Pb	208	159	NoGas	0.021	ppb	1.3	1,004	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	4.7	1,282,606	1273530.34333333	100.7	
Sc	45	H2	Analog	5.1	4,134,146	4358787.67666667	94.8	
Sc	45	He	Pulse	0.3	714,267	759583.66	94.0	
Sc	45	NoGas	Analog	1.6	5,308,863	5454664.56333333	97.3	
Ge	74	H2	Analog	3.1	1,381,938	1464355.28333333	94.4	
Ge	74	He	Pulse	0.7	421,214	448917.35	93.8	
Ge	74	NoGas	Analog	1.9	1,400,147	1420023.47	98.6	
Rh	103	He	Pulse	1.0	948,605	999309.32666667	94.9	
Rh	103	NoGas	Analog	2.5	1,412,468	1442229.58	97.9	
Tb	159	He	Analog	1.4	1,507,734	1537809.17666667	98.0	
Tb	159	NoGas	Analog	3.2	2,205,612	2224243.80333333	99.2	
Bi	209	He	Pulse	0.6	862,667	904972.74666667	95.3	
Bi	209	NoGas	Mix	5.8	1,149,189	1185728.97666667	96.9	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL5	Total Dilution:	1.0000
File Name:	051CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL1
Acq Time:	5/14/2020 14:00:22	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.196	ppb	2.5	838	108.89	
Na	23	45	He	8.122	ppb	7.0	39,497	90.24	
Mg	24	45	He	8.360	ppb	5.2	14,387	92.89	
Al	27	45	He	8.857	ppb	2.6	6,809	98.41	
K	39	45	He	8.181	ppb	32.0	110,178	90.9	
Ca	44	45	H2	55.554	ppb	1.0	22,341	102.88	
[Ca]	44	45	He	50.037	ppb	0.7	3,733	92.66	
Ti	47	45	NoGas	0.215	ppb	24.3	566	119.44	
V	51	74	He	0.209	ppb	8.2	3,806	116.11	
Cr	52	74	He	0.156	ppb	5.5	2,165	86.67	
Mn	55	74	He	0.199	ppb	3.8	1,425	110.56	
Fe	56	74	H2	8.787	ppb	1.1	237,848	97.63	
Co	59	74	He	0.182	ppb	4.6	2,177	101.11	
Ni	60	74	He	0.075	ppb	17.9	739	41.67	R-11
Cu	65	74	He	0.178	ppb	8.3	807	98.89	
Zn	66	74	He	0.142	ppb	23.9	336	78.89	
As	75	74	He	0.179	ppb	14.9	222	99.44	
Se	78	74	H2	0.200	ppb	7.5	98	111.11	
Mo	95	103	He	0.165	ppb	9.7	603	91.67	
Ag	107	103	He	0.186	ppb	3.3	1,798	103.33	
Cd	111	103	He	0.171	ppb	2.1	270	95	
[Cd]	111	103	NoGas	0.178	ppb	8.2	528	98.89	
Sb	121	103	He	0.234	ppb	7.0	1,096	130	R-11
Ba	138	159	He	0.160	ppb	6.5	1,932	88.89	
Hg	201	159	NoGas	9.229	ppt	4.2	27	128.18	
Tl	205	159	He	0.169	ppb	5.2	3,147	93.89	
Pb	208	159	NoGas	0.183	ppb	5.6	5,769	101.67	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.0	1,271,566	1273530.34333333	99.8	
Sc	45	H2	Analog	1.2	4,045,111	4358787.67666667	92.8	
Sc	45	He	Pulse	3.4	725,604	759583.66	95.5	
Sc	45	NoGas	Analog	1.8	5,280,787	5454664.56333333	96.8	
Ge	74	H2	Analog	1.3	1,392,790	1464355.28333333	95.1	
Ge	74	He	Pulse	2.5	427,426	448917.35	95.2	
Ge	74	NoGas	Analog	2.1	1,378,757	1420023.47	97.1	
Rh	103	He	Pulse	3.5	957,969	999309.32666667	95.9	
Rh	103	NoGas	Analog	3.1	1,393,732	1442229.58	96.6	
Tb	159	He	Analog	3.9	1,504,662	1537809.17666667	97.8	
Tb	159	NoGas	Analog	3.5	2,182,096	2224243.80333333	98.1	
Bi	209	He	Pulse	2.1	866,560	904972.74666667	95.8	
Bi	209	NoGas	Pulse	1.2	1,120,044	1185728.97666667	94.5	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL6	Total Dilution:	1.0000
File Name:	052_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL2
Acq Time:	5/14/2020 14:05:35	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.913	ppb	4.3	3,658	101.44	
Na	23	45	He	44.335	ppb	2.0	118,617	98.52	
Mg	24	45	He	44.229	ppb	3.5	59,164	98.29	
Al	27	45	He	45.316	ppb	0.7	31,851	100.7	
K	39	45	He	44.191	ppb	3.8	147,737	98.2	
Ca	44	45	H2	288.372	ppb	3.0	105,052	106.8	
[Ca]	44	45	He	259.023	ppb	0.9	15,263	95.93	
Ti	47	45	NoGas	0.848	ppb	6.4	1,728	94.22	
V	51	74	He	0.945	ppb	3.3	8,914	105	
Cr	52	74	He	0.877	ppb	1.0	7,930	97.44	
Mn	55	74	He	0.924	ppb	3.5	5,570	102.67	
Fe	56	74	H2	45.873	ppb	2.0	963,595	101.94	
Co	59	74	He	0.937	ppb	1.4	10,200	104.11	
Ni	60	74	He	0.845	ppb	4.6	2,786	93.89	
Cu	65	74	He	0.952	ppb	4.3	3,341	105.78	
Zn	66	74	He	0.940	ppb	1.0	1,336	104.44	
As	75	74	He	0.947	ppb	7.6	854	105.22	
Se	78	74	H2	0.925	ppb	5.0	425	102.78	
Mo	95	103	He	0.914	ppb	7.8	3,021	101.56	
Ag	107	103	He	0.911	ppb	3.4	8,562	101.22	
Cd	111	103	He	0.869	ppb	4.6	1,329	96.56	
[Cd]	111	103	NoGas	0.812	ppb	8.0	2,455	90.22	
Sb	121	103	He	0.934	ppb	5.7	4,178	103.78	
Ba	138	159	He	0.890	ppb	1.5	9,435	98.89	
Hg	201	159	NoGas	30.308	ppt	14.1	56	84.19	
Tl	205	159	He	0.850	ppb	2.6	15,570	94.44	
Pb	208	159	NoGas	0.860	ppb	3.7	26,328	95.56	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.2	1,291,690	1273530.34333333	101.4	
Sc	45	H2	Analog	2.1	4,023,150	4358787.67666667	92.3	
Sc	45	He	Pulse	1.7	713,741	759583.66	94.0	
Sc	45	NoGas	Analog	0.5	5,369,953	5454664.56333333	98.4	
Ge	74	H2	Analog	2.2	1,363,574	1464355.28333333	93.1	
Ge	74	He	Pulse	1.5	423,802	448917.35	94.4	
Ge	74	NoGas	Analog	0.5	1,413,744	1420023.47	99.6	
Rh	103	He	Pulse	2.3	940,746	999309.32666667	94.1	
Rh	103	NoGas	Analog	1.1	1,438,855	1442229.58	99.8	
Tb	159	He	Analog	2.2	1,489,764	1537809.17666667	96.9	
Tb	159	NoGas	Analog	0.6	2,228,004	2224243.80333333	100.2	
Bi	209	He	Pulse	1.4	856,370	904972.74666667	94.6	
Bi	209	NoGas	Pulse	0.5	1,143,523	1185728.97666667	96.4	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL7	Total Dilution:	1.0000
File Name:	053CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type:	CRL3
Acq Time:	5/14/2020 14:10:39	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.855	ppb	2.4	7,203	103.06	
Na	23	45	He	88.726	ppb	2.3	216,198	98.58	
Mg	24	45	He	88.559	ppb	1.9	114,716	98.4	
Al	27	45	He	89.608	ppb	1.9	62,346	99.56	
K	39	45	He	88.511	ppb	4.8	195,959	98.35	
Ca	44	45	H2	547.839	ppb	1.6	199,473	101.45	
[Ca]	44	45	He	517.433	ppb	2.4	29,569	95.82	
Ti	47	45	NoGas	1.809	ppb	8.1	3,359	100.5	
V	51	74	He	1.862	ppb	2.9	15,173	103.44	
Cr	52	74	He	1.747	ppb	2.0	14,758	97.06	
Mn	55	74	He	1.796	ppb	3.6	10,462	99.78	
Fe	56	74	H2	92.815	ppb	3.3	1,913,694	103.13	
Co	59	74	He	1.806	ppb	1.1	19,263	100.33	
Ni	60	74	He	1.725	ppb	5.4	5,080	95.83	
Cu	65	74	He	1.847	ppb	3.5	6,217	102.61	
Zn	66	74	He	1.780	ppb	4.5	2,367	98.89	
As	75	74	He	1.822	ppb	5.6	1,562	101.22	
Se	78	74	H2	1.816	ppb	9.8	840	100.89	
Mo	95	103	He	1.827	ppb	5.5	5,908	101.5	
Ag	107	103	He	1.791	ppb	3.0	16,617	99.5	
Cd	111	103	He	1.730	ppb	2.0	2,607	96.11	
[Cd]	111	103	NoGas	1.647	ppb	4.0	4,806	91.5	
Sb	121	103	He	1.806	ppb	2.2	7,944	100.33	
Ba	138	159	He	1.711	ppb	0.6	17,656	95.06	
Hg	201	159	NoGas	65.918	ppt	15.3	100	91.55	
Tl	205	159	He	1.681	ppb	1.5	30,386	93.39	
Pb	208	159	NoGas	1.761	ppb	3.2	51,781	97.83	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.3	1,265,026	1273530.34333333	99.3	
Sc	45	H2	Analog	1.7	4,065,182	4358787.67666667	93.3	
Sc	45	He	Pulse	2.1	713,242	759583.66	93.9	
Sc	45	NoGas	Analog	1.4	5,194,071	5454664.56333333	95.2	
Ge	74	H2	Analog	1.8	1,381,861	1464355.28333333	94.4	
Ge	74	He	Pulse	1.7	419,700	448917.35	93.5	
Ge	74	NoGas	Analog	1.1	1,385,938	1420023.47	97.6	
Rh	103	He	Pulse	1.5	928,684	999309.32666667	92.9	
Rh	103	NoGas	Analog	1.3	1,391,461	1442229.58	96.5	
Tb	159	He	Analog	1.6	1,470,964	1537809.17666667	95.7	
Tb	159	NoGas	Analog	1.5	2,154,713	2224243.80333333	96.9	
Bi	209	He	Pulse	2.3	848,183	904972.74666667	93.7	
Bi	209	NoGas	Pulse	1.3	1,113,723	1185728.97666667	93.9	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL8	Total Dilution:	1.0000
File Name:	054CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL4
Acq Time:	5/14/2020 14:15:47	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.713	ppb	0.2	14,275	103.14	
Na	23	45	He	179.289	ppb	3.0	417,211	99.6	
Mg	24	45	He	179.266	ppb	3.3	229,386	99.59	
Al	27	45	He	181.974	ppb	3.9	126,498	101.1	
K	39	45	He	182.578	ppb	5.5	299,798	101.43	
Ca	44	45	H2	1124.625	ppb	4.7	405,945	104.13	
[Ca]	44	45	He	1044.539	ppb	4.5	59,007	96.72	
Ti	47	45	NoGas	3.592	ppb	4.4	6,580	99.78	
V	51	74	He	3.626	ppb	2.3	27,582	100.72	
Cr	52	74	He	3.526	ppb	2.6	29,112	97.94	
Mn	55	74	He	3.492	ppb	2.0	20,250	97	
Fe	56	74	H2	191.235	ppb	1.9	3,855,653	106.24	
Co	59	74	He	3.678	ppb	2.0	39,289	102.17	
Ni	60	74	He	3.581	ppb	3.2	10,053	99.47	
Cu	65	74	He	3.782	ppb	3.6	12,600	105.06	
Zn	66	74	He	3.621	ppb	3.1	4,695	100.58	
As	75	74	He	3.509	ppb	3.1	2,965	97.47	
Se	78	74	H2	3.605	ppb	4.8	1,653	100.14	
Mo	95	103	He	3.693	ppb	2.2	11,996	102.58	
Ag	107	103	He	3.644	ppb	3.3	34,076	101.22	
Cd	111	103	He	3.501	ppb	4.6	5,317	97.25	
[Cd]	111	103	NoGas	3.347	ppb	2.1	9,745	92.97	
Sb	121	103	He	3.689	ppb	3.8	16,324	102.47	
Ba	138	159	He	3.581	ppb	3.4	36,916	99.47	
Hg	201	159	NoGas	135.609	ppl	4.8	191	94.17	
Tl	205	159	He	3.407	ppb	2.0	62,033	94.64	
Pb	208	159	NoGas	3.487	ppb	3.3	103,076	96.86	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	0.9	1,259,416	1273530.34333333	98.9	
Sc	45	H2	Analog	4.6	4,060,857	4358787.67666667	93.2	
Sc	45	He	Pulse	2.9	716,414	759583.66	94.3	
Sc	45	NoGas	Analog	3.8	5,265,256	5454664.56333333	96.5	
Ge	74	H2	Analog	2.1	1,373,383	1464355.28333333	93.8	
Ge	74	He	Pulse	2.0	423,034	448917.35	94.2	
Ge	74	NoGas	Analog	1.2	1,396,861	1420023.47	98.4	
Rh	103	He	Pulse	2.6	937,114	999309.32666667	93.8	
Rh	103	NoGas	Analog	2.3	1,390,087	1442229.58	96.4	
Tb	159	He	Analog	2.3	1,482,371	1537809.17666667	96.4	
Tb	159	NoGas	Analog	3.0	2,174,275	2224243.80333333	97.8	
Bi	209	He	Pulse	2.0	858,894	904972.74666667	94.9	
Bi	209	NoGas	Mix	3.1	1,140,765	1185728.97666667	96.2	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV4	Total Dilution:	1.0000
File Name:	065_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 15:17:43	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.021	ppb	3.2	152,606	40	97.55	
Na	23	45	He	3890.697	ppb	2.1	8,457,457	4000	97.27	
Mg	24	45	He	4104.734	ppb	2.4	5,075,699	4000	102.62	
Al	27	45	He	3981.595	ppb	3.4	2,704,294	4000	99.54	
K	39	45	He	4071.135	ppb	2.1	4,475,360	4000	101.78	
Ca	44	45	H2	4534.060	ppb	8.5	1,548,445	4000	113.35	> +/- 10%
[Ca]	44	45	He	3900.505	ppb	2.0	213,896	4000	97.51	
Ti	47	45	NoGas	97.244	ppb	2.3	170,438	100	97.24	
V	51	74	He	95.944	ppb	1.8	660,433	100	95.94	
Cr	52	74	He	97.134	ppb	1.9	765,815	100	97.13	
Mn	55	74	He	98.918	ppb	1.8	557,092	100	98.92	
Fe	56	74	H2	4363.113	ppb	6.3	82,263,107	4000	109.08	
Co	59	74	He	100.618	ppb	1.3	1,052,152	100	100.62	
Ni	60	74	He	100.942	ppb	1.2	264,661	100	100.94	
Cu	65	74	He	100.113	ppb	1.9	322,887	100	100.11	
Zn	66	74	He	94.797	ppb	1.6	117,066	100	94.8	
As	75	74	He	95.281	ppb	1.3	77,392	100	95.28	
Se	78	74	H2	40.701	ppb	6.8	17,666	40	101.75	
Mo	95	103	He	40.362	ppb	2.1	127,608	40	100.9	
Ag	107	103	He	40.459	ppb	2.7	369,878	40	101.15	
Cd	111	103	He	94.862	ppb	1.9	140,812	100	94.86	
[Cd]	111	103	NoGas	91.822	ppb	5.7	259,498	100	91.82	
Sb	121	103	He	39.289	ppb	2.1	169,671	40	98.22	
Ba	138	159	He	97.299	ppb	2.4	993,051	100	97.3	
Hg	201	159	NoGas	802.206	ppt	6.7	1,057	800	100.28	
Tl	205	159	He	36.785	ppb	1.8	667,534	40	91.96	
Pb	208	159	NoGas	99.326	ppb	2.9	2,926,015	100	99.33	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.5	1,288,626	1273530.34333333	101.2	
Sc	45	H2	Analog	7.4	3,870,200	4358787.67666667	88.8	
Sc	45	He	Pulse	1.5	702,838	759583.66	92.5	
Sc	45	NoGas	Analog	2.1	5,175,039	5454664.56333333	94.9	
Ge	74	H2	Analog	6.5	1,306,850	1464355.28333333	89.2	
Ge	74	He	Pulse	1.3	416,297	448917.35	92.7	
Ge	74	NoGas	Analog	1.0	1,368,283	1420023.47	96.4	
Rh	103	He	Pulse	1.7	916,255	999309.32666667	91.7	
Rh	103	NoGas	Analog	4.0	1,351,955	1442229.58	93.7	
Tb	159	He	Analog	1.9	1,477,861	1537809.17666667	96.1	
Tb	159	NoGas	Analog	2.5	2,173,920	2224243.80333333	97.7	
Bi	209	He	Pulse	0.9	850,648	904972.74666667	94.0	
Bi	209	NoGas	Pulse	1.7	1,105,871	1185728.97666667	93.3	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV5	Total Dilution:	1.0000
File Name:	066_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 15:22:44	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.382	ppb	3.5	152,802	40	98.46	
Na	23	45	He	3855.627	ppb	5.0	8,355,397	4000	96.39	
Mg	24	45	He	4097.663	ppb	5.0	5,051,432	4000	102.44	
Al	27	45	He	3922.109	ppb	5.1	2,655,955	4000	98.05	
K	39	45	He	4046.414	ppb	4.0	4,436,322	4000	101.16	
Ca	44	45	H2	4381.112	ppb	5.9	1,514,132	4000	109.53	
[Ca]	44	45	He	3860.593	ppb	4.5	211,096	4000	96.51	
Ti	47	45	NoGas	96.837	ppb	1.6	170,600	100	96.84	
V	51	74	He	96.030	ppb	2.6	655,006	100	96.03	
Cr	52	74	He	96.769	ppb	2.8	755,983	100	96.77	
Mn	55	74	He	98.501	ppb	2.2	549,728	100	98.5	
Fe	56	74	H2	4206.093	ppb	4.8	80,699,015	4000	105.15	
Co	59	74	He	100.261	ppb	2.2	1,038,897	100	100.26	
Ni	60	74	He	99.917	ppb	2.7	259,574	100	99.92	
Cu	65	74	He	100.014	ppb	2.9	319,613	100	100.01	
Zn	66	74	He	94.398	ppb	2.6	115,507	100	94.4	
As	75	74	He	95.196	ppb	2.6	76,617	100	95.2	
Se	78	74	H2	39.716	ppb	3.9	17,550	40	99.29	
Mo	95	103	He	40.284	ppb	4.4	126,560	40	100.71	
Ag	107	103	He	40.243	ppb	3.8	365,678	40	100.61	
Cd	111	103	He	94.287	ppb	4.0	139,096	100	94.29	
[Cd]	111	103	NoGas	90.901	ppb	3.5	258,344	100	90.9	
Sb	121	103	He	39.445	ppb	3.6	169,319	40	98.61	
Ba	138	159	He	97.144	ppb	3.9	991,503	100	97.14	
Hg	201	159	NoGas	781.919	ppt	1.1	1,042	800	97.74	
Tl	205	159	He	36.734	ppb	4.0	666,593	40	91.84	
Pb	208	159	NoGas	97.600	ppb	4.6	2,901,382	100	97.6	

ISTD Table:

Name	Mass	Tune Mode	Del.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.1	1,278,756	1273530.34333333	100.4	
Sc	45	H2	Analog	4.6	3,907,179	4358787.67666667	89.6	
Sc	45	He	Pulse	4.6	701,589	759583.66	92.4	
Sc	45	NoGas	Analog	1.2	5,200,605	5454664.56333333	95.3	
Ge	74	H2	Analog	4.0	1,327,988	1464355.28333333	90.7	
Ge	74	He	Pulse	2.4	412,613	448917.35	91.9	
Ge	74	NoGas	Analog	2.2	1,343,102	1420023.47	94.6	
Rh	103	He	Pulse	3.8	911,314	999309.32666667	91.2	
Rh	103	NoGas	Analog	2.3	1,358,155	1442229.58	94.2	
Tb	159	He	Analog	4.0	1,479,034	1537809.17666667	96.2	
Tb	159	NoGas	Analog	2.4	2,194,274	2224243.80333333	98.7	
Bi	209	He	Pulse	3.6	853,892	904972.74666667	94.4	
Bi	209	NoGas	Pulse	1.2	1,110,742	1185728.97666667	93.7	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB3	Total Dilution: 1.0000
File Name: 067_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type: CCB
Acq Time: 5/14/2020 15:27:50	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.010	ppb	13.4	124	
Na	23	45	He	-0.702	ppb	N/A	18,890	
Mg	24	45	He	-0.283	ppb	N/A	3,219	
Al	27	45	He	0.465	ppb	17.7	886	
K	39	45	He	0.330	ppb	365.0	97,011	
Ca	44	45	H2	-0.320	ppb	N/A	2,282	
[Ca]	44	45	He	-0.819	ppb	N/A	827	
Ti	47	45	NoGas	0.046	ppb	16.4	268	
V	51	74	He	0.029	ppb	9.0	2,441	
Cr	52	74	He	-0.001	ppb	N/A	859	
Mn	55	74	He	0.018	ppb	21.8	366	
Fe	56	74	H2	0.384	ppb	34.7	66,741	
Co	59	74	He	0.007	ppb	20.9	289	
Ni	60	74	He	-0.083	ppb	N/A	302	
Cu	65	74	He	0.004	ppb	159.4	222	
Zn	66	74	He	0.037	ppb	45.9	196	
As	75	74	He	0.019	ppb	63.2	85	
Se	78	74	H2	0.035	ppb	43.0	21	
Mo	95	103	He	0.019	ppb	46.7	114	
Ag	107	103	He	0.007	ppb	33.4	77	
Cd	111	103	He	0.018	ppb	25.8	31	
[Cd]	111	103	NoGas	0.020	ppb	15.3	68	
Sb	121	103	He	0.200	ppb	11.2	891	
Ba	138	159	He	0.009	ppb	29.9	350	
Hg	201	159	NoGas	1.947	ppt	27.4	18	
Tl	205	159	He	0.014	ppb	4.5	269	
Pb	208	159	NoGas	0.019	ppb	2.4	924	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	1.5	1,311,940	1273530.34333333	103.0	
Sc	45	H2	Analog	2.7	3,936,186	4358787.67666667	90.3	
Sc	45	He	Pulse	1.1	693,464	759583.66	91.3	
Sc	45	NoGas	Analog	2.8	5,313,642	5454664.56333333	97.4	
Ge	74	H2	Analog	3.3	1,352,721	1464355.28333333	92.4	
Ge	74	He	Pulse	0.9	410,183	448917.35	91.4	
Ge	74	NoGas	Analog	1.0	1,415,828	1420023.47	99.7	
Rh	103	He	Pulse	1.5	906,018	999309.32666667	90.7	
Rh	103	NoGas	Analog	0.9	1,419,927	1442229.58	98.5	
Tb	159	He	Analog	2.8	1,443,753	1537809.17666667	93.9	
Tb	159	NoGas	Analog	1.5	2,206,017	2224243.80333333	99.2	
Bi	209	He	Pulse	1.2	827,060	904972.74666667	91.4	
Bi	209	NoGas	Mix	7.5	1,141,585	1185728.97666667	96.3	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV6	Total Dilution:	1.0000
File Name:	078_CC.V.d	Vial:	2
File Path:	C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 16:23:39	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.692	ppb	4.7	153,972	40	99.23	
Na	23	45	He	3957.220	ppb	1.2	8,428,285	4000	98.93	
Mg	24	45	He	4201.373	ppb	2.1	5,090,677	4000	105.03	
Al	27	45	He	4074.422	ppb	1.8	2,711,822	4000	101.86	
K	39	45	He	4140.942	ppb	1.9	4,458,539	4000	103.52	
Ca	44	45	H2	4450.856	ppb	8.9	1,525,933	4000	111.27	> +/- 10%
[Ca]	44	45	He	3938.425	ppb	1.4	211,610	4000	98.46	
Ti	47	45	NoGas	99.110	ppb	5.4	168,962	100	99.11	
V	51	74	He	97.453	ppb	1.9	655,088	100	97.45	
Cr	52	74	He	97.826	ppb	2.1	753,204	100	97.83	
Mn	55	74	He	100.016	ppb	2.2	550,075	100	100.02	
Fe	56	74	H2	4318.071	ppb	7.4	80,682,233	4000	107.95	
Co	59	74	He	101.772	ppb	1.8	1,039,291	100	101.77	
Ni	60	74	He	101.208	ppb	2.2	259,124	100	101.21	
Cu	65	74	He	100.955	ppb	2.4	317,967	100	100.96	
Zn	66	74	He	96.859	ppb	2.4	116,799	100	96.86	
As	75	74	He	96.602	ppb	1.8	76,627	100	96.6	
Se	78	74	H2	40.245	ppb	6.1	17,325	40	100.61	
Mo	95	103	He	41.005	ppb	2.2	125,505	40	102.51	
Ag	107	103	He	41.144	ppb	1.9	364,182	40	102.86	
Cd	111	103	He	96.376	ppb	1.9	138,500	100	96.38	
[Cd]	111	103	NoGas	92.252	ppb	4.6	255,520	100	92.25	
Sb	121	103	He	40.222	ppb	1.9	168,165	40	100.56	
Ba	138	159	He	97.294	ppb	2.1	982,246	100	97.29	
Hg	201	159	NoGas	785.298	ppt	5.0	1,006	800	98.16	
Tl	205	159	He	36.865	ppb	2.4	661,658	40	92.16	
Pb	208	159	NoGas	100.761	ppb	6.9	2,879,212	100	100.76	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.0	1,278,446	1273530.34333333	100.4	
Sc	45	H2	Analog	8.1	3,887,730	4358787.67666667	89.2	
Sc	45	He	Pulse	1.0	688,584	759583.66	90.7	
Sc	45	NoGas	Analog	5.8	5,042,505	5454664.56333333	92.4	
Ge	74	H2	Analog	6.4	1,295,752	1464355.28333333	88.5	
Ge	74	He	Pulse	1.7	406,577	448917.35	90.6	
Ge	74	NoGas	Analog	4.8	1,349,656	1420023.47	95.0	
Rh	103	He	Pulse	1.5	887,031	999309.32666667	88.8	
Rh	103	NoGas	Analog	4.8	1,324,887	1442229.58	91.9	
Tb	159	He	Analog	2.1	1,461,872	1537809.17666667	95.1	
Tb	159	NoGas	Analog	6.4	2,113,871	2224243.80333333	95.0	
Bi	209	He	Pulse	1.6	830,153	904972.74666667	91.7	
Bi	209	NoGas	Pulse	5.0	1,059,741	1185728.97666667	89.4	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV7	Total Dilution:	1.0000
File Name:	079_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 16:28:38	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.392	ppb	0.3	152,472	40	98.48	
Na	23	45	He	3964.456	ppb	5.4	8,359,081	4000	99.11	
Mg	24	45	He	4216.634	ppb	4.7	5,058,675	4000	105.42	
Al	27	45	He	4046.276	ppb	6.3	2,665,592	4000	101.16	
K	39	45	He	4127.508	ppb	4.4	4,401,010	4000	103.19	
Ca	44	45	H2	4536.650	ppb	3.4	1,538,060	4000	113.42	> +/- 10%
[Ca]	44	45	He	3912.566	ppb	4.1	208,184	4000	97.81	
Ti	47	45	NoGas	97.732	ppb	2.1	167,138	100	97.73	
V	51	74	He	97.037	ppb	4.5	650,504	100	97.04	
Cr	52	74	He	97.686	ppb	4.4	750,083	100	97.69	
Mn	55	74	He	99.359	ppb	4.6	544,961	100	99.36	
Fe	56	74	H2	4361.867	ppb	5.1	80,965,273	4000	109.05	
Co	59	74	He	101.387	ppb	4.6	1,032,445	100	101.39	
Ni	60	74	He	100.743	ppb	4.4	257,243	100	100.74	
Cu	65	74	He	100.633	ppb	4.0	316,121	100	100.63	
Zn	66	74	He	95.516	ppb	4.2	114,881	100	95.52	
As	75	74	He	96.262	ppb	4.0	76,153	100	96.26	
Se	78	74	H2	40.633	ppb	4.0	17,373	40	101.58	
Mo	95	103	He	41.619	ppb	4.4	126,716	40	104.05	
Ag	107	103	He	41.042	ppb	3.9	361,414	40	102.61	
Cd	111	103	He	96.572	ppb	4.6	138,049	100	96.57	
[Cd]	111	103	NoGas	89.813	ppb	3.7	251,084	100	89.81	> +/- 10%
Sb	121	103	He	40.341	ppb	3.4	167,812	40	100.85	
Ba	138	159	He	96.203	ppb	2.9	975,192	100	96.2	
Hg	201	159	NoGas	772.170	ppt	2.0	1,000	800	96.52	
Tl	205	159	He	36.429	ppb	2.5	656,558	40	91.07	
Pb	208	159	NoGas	99.164	ppb	1.0	2,867,014	100	99.16	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	0.4	1,274,420	1273530.34333333	100.1	
Sc	45	H2	Analog	2.7	3,828,510	4358787.67666667	87.8	
Sc	45	He	Pulse	3.7	682,522	759583.66	89.9	
Sc	45	NoGas	Analog	2.2	5,049,524	5454664.56333333	92.6	
Ge	74	H2	Analog	4.9	1,285,363	1464355.28333333	87.8	
Ge	74	He	Pulse	3.2	405,758	448917.35	90.4	
Ge	74	NoGas	Analog	1.6	1,355,961	1420023.47	95.5	
Rh	103	He	Pulse	3.2	883,036	999309.32666667	88.4	
Rh	103	NoGas	Analog	3.1	1,336,342	1442229.58	92.7	
Tb	159	He	Analog	2.4	1,468,067	1537809.17666667	95.5	
Tb	159	NoGas	Analog	1.3	2,132,688	2224243.80333333	95.9	
Bi	209	He	Pulse	2.8	826,579	904972.74666667	91.3	
Bi	209	NoGas	Pulse	3.0	1,067,354	1185728.97666667	90.0	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	0E14035-CCB4	Total Dilution:	1.0000
File Name:	080_CCB.d	Vial:	1
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCB
Acq Time:	5/14/2020 16:33:38	I.S. Reference File:	008CALB.d
Comment:	CCB	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.010	ppb	97.8	122	
Na	23	45	He	-0.451	ppb	N/A	19,905	
Mg	24	45	He	-0.614	ppb	N/A	2,889	
Al	27	45	He	0.053	ppb	273.1	624	
K	39	45	He	-2.260	ppb	N/A	96,596	
Ca	44	45	H2	-0.726	ppb	N/A	2,141	
[Ca]	44	45	He	-2.538	ppb	N/A	752	
Ti	47	45	NoGas	-0.015	ppb	N/A	157	
V	51	74	He	0.026	ppb	4.2	2,443	
Cr	52	74	He	-0.005	ppb	N/A	841	
Mn	55	74	He	0.000	ppb	N/A	267	
Fe	56	74	H2	-0.603	ppb	N/A	46,183	
Co	59	74	He	0.007	ppb	38.3	297	
Ni	60	74	He	-0.091	ppb	N/A	286	
Cu	65	74	He	-0.006	ppb	N/A	193	
Zn	66	74	He	-0.009	ppb	N/A	141	
As	75	74	He	0.015	ppb	50.2	83	
Se	78	74	H2	0.037	ppb	33.7	21	
Mo	95	103	He	0.022	ppb	23.9	126	
Ag	107	103	He	0.006	ppb	31.7	76	
Cd	111	103	He	0.016	ppb	36.3	28	
[Cd]	111	103	NoGas	0.015	ppb	37.5	53	
Sb	121	103	He	0.272	ppb	9.6	1,210	
Ba	138	159	He	0.006	ppb	50.7	334	
Hg	201	159	NoGas	4.539	ppt	58.4	20	
Tl	205	159	He	0.016	ppb	21.1	317	
Pb	208	159	NoGas	0.016	ppb	8.8	829	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.8	1,310,731	1273530.34333333	102.9	
Sc	45	H2	Analog	0.7	3,936,122	4358787.67666667	90.3	
Sc	45	He	Pulse	2.3	710,778	759583.66	93.6	
Sc	45	NoGas	Analog	4.7	5,304,890	5454664.56333333	97.3	
Ge	74	H2	Analog	5.2	1,320,982	1464355.28333333	90.2	
Ge	74	He	Pulse	1.4	414,286	448917.35	92.3	
Ge	74	NoGas	Analog	3.0	1,390,552	1420023.47	97.9	
Rh	103	He	Pulse	2.3	916,266	999309.32666667	91.7	
Rh	103	NoGas	Analog	3.9	1,401,416	1442229.58	97.2	
Tb	159	He	Analog	2.1	1,500,995	1537809.17666667	97.6	
Tb	159	NoGas	Analog	6.0	2,139,971	2224243.80333333	96.2	
Bi	209	He	Pulse	1.7	829,845	904972.74666667	91.7	
Bi	209	NoGas	Pulse	3.8	1,068,471	1185728.97666667	90.1	

Quantitation Report - ICPMS5

Sample Name:	0050448-BLK2	Total Dilution:	5.0000
File Name:	083SMPL.d	Vial:	3311
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	Sample
Acq Time:	5/14/2020 16:48:52	I.S. Reference File:	008CALB.d
Comment:	0050448 SED As	Last Calibration:	05/14/2020 10:57:32

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.013	ppb	25.1	133	100	
Na	23	45	He	4.93	ppb	1.5	31,322	50000	
Mg	24	45	He	0.123	ppb	61.9	3,761	50000	
Al	27	45	He	2.131	ppb	10.1	2,027	50000	
K	39	45	He	-1.966	ppb	N/A	95,725	50000	
Ca	44	45	H2	167.134	ppb	1.9	59,369	50000	
[Ca]	44	45	He	145.428	ppb	3.4	8,818	50000	
Ti	47	45	NoGas	0.036	ppb	34.4	248	2500	
V	51	74	He	0.016	ppb	8.3	2,347	500	
Cr	52	74	He	-0.004	ppb	N/A	837	1000	
Mn	55	74	He	0.028	ppb	62.7	421	2500	
Fe	56	74	H2	-0.29	ppb	N/A	52,672	50000	
Co	59	74	He	0.019	ppb	39.0	413	500	
Ni	60	74	He	-0.131	ppb	N/A	178	1000	
Cu	65	74	He	-0.003	ppb	N/A	199	1000	
Zn	66	74	He	16.385	ppb	0.8	20,003	2500	
As	75	74	He	0.013	ppb	12.6	80	500	
Se	78	74	H2	0.014	ppb	57.7	11	100	
Mo	95	103	He	-0.002	ppb	N/A	50	100	
Ag	107	103	He	0.001	ppb	52.1	23	100	
Cd	111	103	He	0.005	ppb	58.7	12	1000	
[Cd]	111	103	NoGas	0.001	ppb	570.2	13	1000	
Sb	121	103	He	0.052	ppb	15.4	260	100	
Ba	138	159	He	0.015	ppb	11.7	422	2500	
W	182	159	NoGas	0.042	ppb	48.6	767	40	
Hg	201	159	NoGas	9.799	ppt	60.0	28	4000	
Tl	205	159	He	0.015	ppb	19.2	296	100	
Pb	208	159	NoGas	0.029	ppb	9.2	1,224	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,310,914	4.8	1273530.34333333	Analog	102.9	
Sc	45	H2	3,856,818	1.1	4358787.67666667	Analog	88.5	
Sc	45	He	701,959	1.8	759583.66	Pulse	92.4	
Sc	45	NoGas	5,304,134	2.8	5454664.56333333	Analog	97.2	
Ge	74	H2	1,331,457	1.4	1464355.28333333	Analog	90.9	
Ge	74	He	408,963	1.1	448917.35	Pulse	91.1	
Ge	74	NoGas	1,392,126	1.1	1420023.47	Analog	98.0	
Rh	103	He	911,825	1.9	999309.32666667	Pulse	91.2	
Rh	103	NoGas	1,403,555	2.3	1442229.58	Analog	97.3	
Tb	159	He	1,481,736	1.0	1537809.17666667	Analog	96.4	
Tb	159	NoGas	2,195,341	1.4	2224243.80333333	Analog	98.7	
Bi	209	He	820,187	2.2	904972.74666667	Pulse	90.6	
Bi	209	NoGas	1,098,729	6.4	1185728.97666667	Mix	92.7	

Quantitation Report - ICPMS5

Sample Name:	0050448-BS2	Total Dilution:	5.0000
File Name:	084SMPL.d	Vial:	3312
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	Sample
Acq Time:	5/14/2020 16:53:59	I.S. Reference File:	008CALB.d
Comment:	0050448 SED As	Last Calibration:	05/14/2020 10:57:32

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	22.531	ppb	1.6	90,564	100	
Na	23	45	He	2409.386	ppb	2.2	5,165,890	50000	
Mg	24	45	He	2477.64	ppb	3.2	3,018,359	50000	
Al	27	45	He	2450.126	ppb	2.2	1,639,394	50000	
K	39	45	He	2503.179	ppb	3.1	2,746,772	50000	
Ca	44	45	H2	2646.844	ppb	11.8	930,312	50000	
[Ca]	44	45	He	2452.591	ppb	2.7	132,769	50000	
Ti	47	45	NoGas	45.357	ppb	4.0	81,673	2500	
V	51	74	He	47.798	ppb	2.3	323,291	500	
Cr	52	74	He	47.577	ppb	2.2	367,748	1000	
Mn	55	74	He	47.936	ppb	1.9	264,500	2500	
Fe	56	74	H2	2510.558	ppb	13.2	47,784,146	50000	
Co	59	74	He	49.212	ppb	2.7	503,960	500	
Ni	60	74	He	49.136	ppb	2.3	126,408	1000	
Cu	65	74	He	48.861	ppb	3.0	154,401	1000	
Zn	66	74	He	63.626	ppb	1.1	76,995	2500	
As	75	74	He	47.519	ppb	2.7	37,826	500	
Se	78	74	H2	23.999	ppb	13.3	10,513	100	
Mo	95	103	He	24.544	ppb	1.8	75,823	100	
Ag	107	103	He	24.549	ppb	3.0	219,215	100	
Cd	111	103	He	47.448	ppb	3.0	68,789	1000	
[Cd]	111	103	NoGas	43.749	ppb	3.6	126,294	1000	
Sb	121	103	He	23.657	ppb	3.6	99,783	100	
Ba	138	159	He	46.782	ppb	2.8	474,719	2500	
W	182	159	NoGas	0.011	ppb	22.2	432	40	
Hg	201	159	NoGas	910.432	ppt	2.3	1,222	4000	
Tl	205	159	He	20.876	ppb	3.1	376,505	100	
Pb	208	159	NoGas	43.943	ppb	3.1	1,318,866	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,323,024	2.8	1273530.34333333	Analog	103.9	
Sc	45	H2	3,993,257	9.8	4358787.67666667	Analog	91.6	
Sc	45	He	692,312	2.6	759583.66	Pulse	91.1	
Sc	45	NoGas	5,311,945	2.4	5454664.56333333	Analog	97.4	
Ge	74	H2	1,327,537	10.7	1464355.28333333	Analog	90.7	
Ge	74	He	407,691	2.0	448917.35	Pulse	90.8	
Ge	74	NoGas	1,402,251	1.7	1420023.47	Analog	98.7	
Rh	103	He	895,204	3.1	999309.32666667	Pulse	89.6	
Rh	103	NoGas	1,380,047	3.7	1442229.58	Analog	95.7	
Tb	159	He	1,469,222	2.7	1537809.17666667	Analog	95.5	
Tb	159	NoGas	2,214,871	3.2	2224243.80333333	Analog	99.6	
Bi	209	He	824,397	1.7	904972.74666667	Pulse	91.1	
Bi	209	NoGas	1,091,933	2.7	1185728.97666667	Pulse	92.1	

Quantitation Report - ICPMSS

Sample Name:	A0D0763-12RE1	Total Dilution:	5.0000
File Name:	085SMPL.d	Vial:	3313
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	Sample
Acq Time:	5/14/2020 16:59:02	I.S. Reference File:	008CALB.d
Comment:	0050448 SED As	Last Calibration:	05/14/2020 10:57:32

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.706	ppb	4.6	2,742	100	
Na	23	45	He	974.104	ppb	2.7	2,121,004	50000	
Mg	24	45	He	7546.794	ppb	2.0	9,277,773	50000	
Al	27	45	He	35260.589	ppb	2.2	23,815,320	50000	
K	39	45	He	1342.81	ppb	1.8	1,533,301	50000	
Ca	44	45	H2	8275.529	ppb	1.3	2,997,188	50000	
[Ca]	44	45	He	7509.95	ppb	2.8	408,692	50000	
Ti	47	45	NoGas	2789.642	ppb	2.1	5,032,669	2500	>LDR RR-2
V	51	74	He	137.496	ppb	2.1	875,427	500	
Cr	52	74	He	41.809	ppb	2.9	305,650	1000	
Mn	55	74	He	569.528	ppb	1.4	2,968,957	2500	
Fe	56	74	H2	49544.252	ppb	1.4	926,371,231	50000	>LDR RR-2
Co	59	74	He	23.849	ppb	1.8	231,063	500	
Ni	60	74	He	36.449	ppb	1.2	88,800	1000	
Cu	65	74	He	38.663	ppb	2.1	115,580	1000	
Zn	66	74	He	100.145	ppb	1.2	114,507	2500	
As	75	74	He	4.551	ppb	0.9	3,485	500	
Se	78	74	H2	0.295	ppb	13.5	132	100	
Mo	95	103	He	0.427	ppb	1.2	1,289	100	
Ag	107	103	He	0.099	ppb	8.7	846	100	
Cd	111	103	He	0.126	ppb	21.1	175	1000	
[Cd]	111	103	NoGas	0.663	ppb	7.0	1,803	1000	
Sb	121	103	He	0.213	ppb	3.9	880	100	
Ba	138	159	He	190.039	ppb	2.6	1,883,775	2500	
W	182	159	NoGas	0.053	ppb	19.3	856	40	
Hg	201	159	NoGas	31.777	ppt	17.7	55	4000	
Tl	205	159	He	0.105	ppb	0.8	1,872	100	
Pb	208	159	NoGas	5.193	ppb	2.9	151,487	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	1,241,387	5.6	1273530.34333333	Analog	97.5	
Sc	45	H2	4,090,242	0.7	4358787.67666667	Analog	93.8	
Sc	45	He	699,036	2.4	759583.66	Pulse	92.0	
Sc	45	NoGas	5,332,499	2.8	5454664.56333333	Analog	97.8	
Ge	74	H2	1,293,651	1.9	1464355.28333333	Analog	88.3	
Ge	74	He	385,485	1.6	448917.35	Pulse	85.9	
Ge	74	NoGas	1,290,296	4.0	1420023.47	Analog	90.9	
Rh	103	He	841,315	2.8	999309.32666667	Pulse	84.2	
Rh	103	NoGas	1,293,342	2.4	1442229.58	Analog	89.7	
Tb	159	He	1,435,982	3.5	1537809.17666667	Analog	93.4	
Tb	159	NoGas	2,147,823	2.8	2224243.80333333	Analog	96.6	
Bi	209	He	780,907	2.2	904972.74666667	Pulse	86.3	
Bi	209	NoGas	1,104,248	5.8	1185728.97666667	Mix	93.1	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV8	Total Dilution:	1.0000
File Name:	091_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 17:29:17	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.637	ppb	2.3	154,721	40	99.09	
Na	23	45	He	4008.680	ppb	5.0	8,405,496	4000	100.22	
Mg	24	45	He	4272.452	ppb	5.0	5,096,569	4000	106.81	
Al	27	45	He	4141.054	ppb	6.0	2,712,815	4000	103.53	
K	39	45	He	4202.455	ppb	4.0	4,454,754	4000	105.06	
Ca	44	45	H2	4110.940	ppb	2.2	1,517,925	4000	102.77	
[Ca]	44	45	He	3956.142	ppb	4.6	209,299	4000	98.9	
Ti	47	45	NoGas	96.279	ppb	0.5	168,714	100	96.28	
V	51	74	He	97.572	ppb	3.2	650,394	100	97.57	
Cr	52	74	He	98.371	ppb	3.3	751,067	100	98.37	
Mn	55	74	He	100.076	ppb	3.4	545,802	100	100.08	
Fe	56	74	H2	3990.649	ppb	2.7	79,334,570	4000	99.77	
Co	59	74	He	101.719	ppb	3.4	1,029,997	100	101.72	
Ni	60	74	He	101.011	ppb	3.2	256,470	100	101.01	
Cu	65	74	He	101.543	ppb	3.4	317,146	100	101.54	
Zn	66	74	He	95.838	ppb	4.0	114,590	100	95.84	
As	75	74	He	97.069	ppb	2.7	76,360	100	97.07	
Se	78	74	H2	37.134	ppb	1.2	17,001	40	92.84	
Mo	95	103	He	41.452	ppb	4.2	125,629	40	103.63	
Ag	107	103	He	41.055	ppb	3.4	359,887	40	102.64	
Cd	111	103	He	96.432	ppb	4.0	137,225	100	96.43	
[Cd]	111	103	NoGas	88.891	ppb	1.5	251,666	100	88.89	> +/- 10%
Sb	121	103	He	40.070	ppb	3.3	165,919	40	100.18	
Ba	138	159	He	96.211	ppb	2.7	979,078	100	96.21	
Hg	201	159	NoGas	761.808	ppt	1.7	994	800	95.23	
Tl	205	159	He	36.087	ppb	2.2	652,947	40	90.22	
Pb	208	159	NoGas	99.258	ppb	0.8	2,891,924	100	99.26	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.5	1,285,925	1273530.34333333	101.0	
Sc	45	H2	Analog	1.7	4,167,501	4358787.67666667	95.6	
Sc	45	He	Pulse	4.4	678,853	759583.66	89.4	
Sc	45	NoGas	Analog	0.8	5,172,211	5454664.56333333	94.8	
Ge	74	H2	Analog	2.1	1,374,748	1464355.28333333	93.9	
Ge	74	He	Pulse	2.9	403,345	448917.35	89.8	
Ge	74	NoGas	Analog	0.6	1,360,293	1420023.47	95.8	
Rh	103	He	Pulse	3.5	879,000	999309.32666667	88.0	
Rh	103	NoGas	Analog	0.7	1,352,411	1442229.58	93.8	
Tb	159	He	Analog	2.5	1,473,759	1537809.17666667	95.8	
Tb	159	NoGas	Analog	0.6	2,149,092	2224243.80333333	96.6	
Bi	209	He	Pulse	3.5	819,826	904972.74666667	90.6	
Bi	209	NoGas	Pulse	0.6	1,063,327	1185728.97666667	89.7	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB5	Total Dilution: 1.0000
File Name: 092_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type: CCB
Acq Time: 5/14/2020 17:34:24	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.001	ppb	1030.1	84	
Na	23	45	He	-1.329	ppb	N/A	17,594	
Mg	24	45	He	-1.077	ppb	N/A	2,258	
Al	27	45	He	0.609	ppb	12.1	986	
K	39	45	He	-1.772	ppb	N/A	95,030	
Ca	44	45	H2	-0.386	ppb	N/A	2,269	
[Ca]	44	45	He	-0.307	ppb	N/A	857	
Ti	47	45	NoGas	0.032	ppb	73.3	235	
V	51	74	He	0.060	ppb	30.3	2,618	
Cr	52	74	He	-0.016	ppb	N/A	737	
Mn	55	74	He	0.019	ppb	24.7	366	
Fe	56	74	H2	-0.249	ppb	N/A	54,012	
Co	59	74	He	0.006	ppb	11.8	277	
Ni	60	74	He	-0.113	ppb	N/A	223	
Cu	65	74	He	-0.012	ppb	N/A	169	
Zn	66	74	He	0.012	ppb	179.3	163	
As	75	74	He	0.006	ppb	226.9	74	
Se	78	74	H2	0.032	ppb	52.2	19	
Mo	95	103	He	0.006	ppb	15.5	73	
Ag	107	103	He	0.002	ppb	40.8	36	
Cd	111	103	He	0.016	ppb	17.3	27	
[Cd]	111	103	NoGas	0.007	ppb	66.3	28	
Sb	121	103	He	0.241	ppb	6.7	1,049	
Ba	138	159	He	0.007	ppb	31.9	344	
Hg	201	159	NoGas	2.963	ppt	33.0	18	
Tl	205	159	He	0.012	ppb	7.0	253	
Pb	208	159	NoGas	0.011	ppb	31.1	663	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.5	1,283,778	1273530.34333333	100.8	
Sc	45	H2	Analog	4.8	3,951,011	4358787.67666667	90.6	
Sc	45	He	Pulse	0.2	695,232	759583.66	91.5	
Sc	45	NoGas	Analog	2.8	5,165,011	5454664.56333333	94.7	
Ge	74	H2	Analog	5.0	1,348,522	1464355.28333333	92.1	
Ge	74	He	Pulse	0.5	405,052	448917.35	90.2	
Ge	74	NoGas	Analog	2.6	1,387,126	1420023.47	97.7	
Rh	103	He	Pulse	0.5	890,040	999309.32666667	89.1	
Rh	103	NoGas	Analog	2.0	1,373,133	1442229.58	95.2	
Tb	159	He	Analog	0.9	1,472,746	1537809.17666667	95.8	
Tb	159	NoGas	Analog	3.2	2,129,047	2224243.80333333	95.7	
Bi	209	He	Pulse	1.0	808,585	904972.74666667	89.3	
Bi	209	NoGas	Pulse	1.5	1,042,610	1185728.97666667	87.9	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCV9	Total Dilution:	1.0000
File Name:	097_CCv.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 17:59:59	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.117	ppb	1.5	153,219	40	95.29	
Na	23	45	He	4018.360	ppb	3.8	8,560,463	4000	100.46	
Mg	24	45	He	4244.006	ppb	4.1	5,143,122	4000	106.1	
Al	27	45	He	4122.949	ppb	4.4	2,744,545	4000	103.07	
K	39	45	He	4225.247	ppb	3.8	4,548,690	4000	105.63	
Ca	44	45	H2	4067.787	ppb	6.5	1,547,611	4000	101.69	
[Ca]	44	45	He	3968.952	ppb	4.0	213,291	4000	99.22	
Ti	47	45	NoGas	94.725	ppb	2.1	170,517	100	94.72	
V	51	74	He	98.092	ppb	3.1	659,864	100	98.09	
Cr	52	74	He	98.287	ppb	3.0	757,357	100	98.29	
Mn	55	74	He	99.795	ppb	3.6	549,243	100	99.8	
Fe	56	74	H2	3950.990	ppb	3.9	80,721,452	4000	98.77	
Co	59	74	He	101.637	ppb	3.6	1,038,591	100	101.64	
Ni	60	74	He	101.856	ppb	3.3	260,978	100	101.86	
Cu	65	74	He	101.055	ppb	3.0	318,545	100	101.06	
Zn	66	74	He	96.477	ppb	2.7	116,442	100	96.48	
As	75	74	He	97.286	ppb	2.3	77,237	100	97.29	
Se	78	74	H2	36.273	ppb	3.1	17,066	40	90.68	
Mo	95	103	He	41.429	ppb	4.0	125,846	40	103.57	
Ag	107	103	He	41.087	ppb	3.7	360,958	40	102.72	
Cd	111	103	He	96.759	ppb	3.3	138,022	100	96.76	
[Cd]	111	103	NoGas	86.768	ppb	2.9	250,191	100	86.77	> +/- 10%
Sb	121	103	He	40.792	ppb	3.0	169,304	40	101.98	
Ba	138	159	He	97.978	ppb	2.8	989,096	100	97.98	
Hg	201	159	NoGas	738.791	ppt	4.9	996	800	92.35	
Tl	205	159	He	36.318	ppb	1.9	651,917	40	90.79	
Pb	208	159	NoGas	95.155	ppb	2.5	2,864,027	100	95.16	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.2	1,323,771	1273530.34333333	103.9	
Sc	45	H2	Analog	4.7	4,301,644	4358787.67666667	98.7	
Sc	45	He	Pulse	3.5	689,312	759583.66	90.7	
Sc	45	NoGas	Analog	2.4	5,315,097	5454664.56333333	97.4	
Ge	74	H2	Analog	2.9	1,413,368	1464355.28333333	96.5	
Ge	74	He	Pulse	2.4	407,004	448917.35	90.7	
Ge	74	NoGas	Analog	3.2	1,385,711	1420023.47	97.6	
Rh	103	He	Pulse	3.3	880,934	999309.32666667	88.2	
Rh	103	NoGas	Analog	2.3	1,377,898	1442229.58	95.5	
Tb	159	He	Analog	2.3	1,461,967	1537809.17666667	95.1	
Tb	159	NoGas	Analog	1.8	2,220,712	2224243.80333333	99.8	
Bi	209	He	Pulse	3.1	819,302	904972.74666667	90.5	
Bi	209	NoGas	Mix	7.0	1,148,812	1185728.97666667	96.9	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB *6 yg 05/18/20*
 File Name: 098_CCB.d
 File Path: C:\Agilent\ICPMH1\DATA\0E14035.b
 Acq Time: 5/14/2020 18:05:01
 Comment: CCB

Total Dilution: 1.0000
 Vial: 1
 Sample Type: CCB
 I.S. Reference File: 008CALB.d
 Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.003	ppb	208.7	97	
Na	23	45	He	-1.427	ppb	N/A	17,793	
Mg	24	45	He	-1.149	ppb	N/A	2,225	
Al	27	45	He	0.026	ppb	306.7	608	
K	39	45	He	-1.047	ppb	N/A	98,063	
Ca	44	45	H2	-0.741	ppb	N/A	2,216	
[Ca]	44	45	He	-1.472	ppb	N/A	812	
Ti	47	45	NoGas	-0.001	ppb	N/A	180	
V	51	74	He	0.066	ppb	16.2	2,719	
Cr	52	74	He	0.000	ppb	2601.5	881	
Mn	55	74	He	0.000	ppb	2569.4	269	
Fe	56	74	H2	-0.891	ppb	N/A	42,279	
Co	59	74	He	0.003	ppb	59.0	250	
Ni	60	74	He	-0.111	ppb	N/A	233	
Cu	65	74	He	-0.006	ppb	N/A	192	
Zn	66	74	He	0.032	ppb	65.3	191	
As	75	74	He	0.025	ppb	79.8	91	
Se	78	74	H2	0.029	ppb	33.8	19	
Mo	95	103	He	0.012	ppb	80.7	93	
Ag	107	103	He	0.005	ppb	30.5	66	
Cd	111	103	He	0.011	ppb	26.2	21	
[Cd]	111	103	NoGas	0.004	ppb	223.6	21	
Sb	121	103	He	0.257	ppb	4.1	1,139	
Ba	138	159	He	0.007	ppb	65.0	350	
Hg	201	159	NoGas	1.531	ppt	183.3	16	
Tl	205	159	He	0.009	ppb	21.9	196	
Pb	208	159	NoGas	0.011	ppb	6.9	679	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	1.5	1,303,106	1273530.34333333	102.3	
Sc	45	H2	Analog	3.3	4,081,972	4358787.67666667	93.6	
Sc	45	He	Pulse	3.4	712,128	759583.66	93.8	
Sc	45	NoGas	Analog	5.0	5,266,084	5454664.56333333	96.5	
Ge	74	H2	Analog	7.7	1,373,843	1464355.28333333	93.8	
Ge	74	He	Pulse	2.0	414,498	448917.35	92.3	
Ge	74	NoGas	Analog	2.7	1,384,583	1420023.47	97.5	
Rh	103	He	Pulse	3.2	907,127	999309.32666667	90.8	
Rh	103	NoGas	Analog	3.9	1,368,014	1442229.58	94.9	
Tb	159	He	Analog	3.3	1,509,965	1537809.17666667	98.2	
Tb	159	NoGas	Analog	3.8	2,130,162	2224243.80333333	95.8	
Bi	209	He	Pulse	2.6	822,319	904972.74666667	90.9	
Bi	209	NoGas	Mix	9.9	1,079,969	1185728.97666667	91.1	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRL9	Total Dilution:	1.0000
File Name:	099CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL1
Acq Time:	5/14/2020 18:10:10	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.178	ppb	13.7	796	98.89	
Na	23	45	He	6.911	ppb	6.2	36,375	76.79	
Mg	24	45	He	7.446	ppb	5.5	13,073	82.73	
Al	27	45	He	8.790	ppb	6.2	6,682	97.67	
K	39	45	He	8.090	ppb	41.3	108,798	89.89	
Ca	44	45	H2	51.944	ppb	9.3	21,809	96.19	
[Ca]	44	45	He	50.905	ppb	10.3	3,733	94.27	
Ti	47	45	NoGas	0.150	ppb	17.1	455	83.33	
V	51	74	He	0.246	ppb	8.4	3,955	136.67	R-11
Cr	52	74	He	0.163	ppb	9.1	2,160	90.56	
Mn	55	74	He	0.180	ppb	11.4	1,278	100	
Fe	56	74	H2	7.039	ppb	7.2	201,422	78.21	
Co	59	74	He	0.177	ppb	8.6	2,068	98.33	
Ni	60	74	He	0.029	ppb	52.7	600	16.11	R-11
Cu	65	74	He	0.151	ppb	17.5	697	83.89	
Zn	66	74	He	0.107	ppb	21.3	284	59.44	R-11
As	75	74	He	0.192	ppb	6.9	227	106.67	
Se	78	74	H2	0.197	ppb	18.8	96	109.44	
Mo	95	103	He	0.202	ppb	3.0	692	112.22	
Ag	107	103	He	0.184	ppb	1.9	1,698	102.22	
Cd	111	103	He	0.167	ppb	9.6	253	92.78	
[Cd]	111	103	NoGas	0.158	ppb	9.4	470	87.78	
Sb	121	103	He	0.243	ppb	10.9	1,086	135	R-11
Ba	138	159	He	0.161	ppb	4.2	1,952	89.44	
Hg	201	159	NoGas	7.934	ppt	35.2	25	110.19	
Tl	205	159	He	0.162	ppb	1.2	3,019	90	
Pb	208	159	NoGas	0.167	ppb	1.9	5,265	92.78	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.5	1,318,688	1273530.34333333	103.5	
Sc	45	H2	Analog	8.2	4,209,398	4358787.67666667	96.6	
Sc	45	He	Pulse	3.1	717,316	759583.66	94.4	
Sc	45	NoGas	Analog	3.1	5,317,829	5454664.56333333	97.5	
Ge	74	H2	Analog	5.7	1,386,928	1464355.28333333	94.7	
Ge	74	He	Pulse	1.9	415,802	448917.35	92.6	
Ge	74	NoGas	Analog	2.0	1,401,735	1420023.47	98.7	
Rh	103	He	Pulse	3.7	916,725	999309.32666667	91.7	
Rh	103	NoGas	Analog	2.7	1,393,824	1442229.58	96.6	
Tb	159	He	Analog	2.1	1,506,476	1537809.17666667	98.0	
Tb	159	NoGas	Analog	2.0	2,170,978	224243.80333333	97.6	
Bi	209	He	Pulse	3.8	817,498	904972.74666667	90.3	
Bi	209	NoGas	Mix	5.4	1,087,160	1185728.97666667	91.7	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLA	Total Dilution:	1.0000
File Name:	100_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL2
Acq Time:	5/14/2020 18:15:16	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.895	ppb	6.1	3,673	99.44	
Na	23	45	He	42.721	ppb	6.4	115,050	94.94	
Mg	24	45	He	42.678	ppb	6.1	57,214	94.84	
Al	27	45	He	44.593	ppb	5.2	31,345	99.1	
K	39	45	He	44.069	ppb	12.2	147,634	97.93	
Ca	44	45	H2	278.372	ppb	6.2	102,197	103.1	
[Ca]	44	45	He	257.768	ppb	6.9	15,185	95.47	
Ti	47	45	NoGas	0.815	ppb	10.3	1,684	90.56	
V	51	74	He	0.997	ppb	6.8	9,057	110.78	
Cr	52	74	He	0.894	ppb	6.0	7,872	99.33	
Mn	55	74	He	0.870	ppb	4.0	5,134	96.67	
Fe	56	74	H2	42.760	ppb	9.8	899,580	95.02	
Co	59	74	He	0.920	ppb	5.3	9,777	102.22	
Ni	60	74	He	0.780	ppb	8.4	2,549	86.67	
Cu	65	74	He	0.912	ppb	0.9	3,136	101.33	
Zn	66	74	He	0.864	ppb	7.8	1,210	96	
As	75	74	He	0.877	ppb	4.2	778	97.44	
Se	78	74	H2	0.957	ppb	6.5	439	106.33	
Mo	95	103	He	0.917	ppb	12.3	2,907	101.89	
Ag	107	103	He	0.879	ppb	6.6	7,933	97.67	
Cd	111	103	He	0.882	ppb	9.7	1,293	98	
[Cd]	111	103	NoGas	0.756	ppb	3.9	2,275	84	
Sb	121	103	He	0.932	ppb	9.0	4,002	103.56	
Ba	138	159	He	0.852	ppb	5.1	9,017	94.67	
Hg	201	159	NoGas	29.989	ppt	25.2	55	83.3	
Tl	205	159	He	0.799	ppb	5.9	14,607	88.78	
Pb	208	159	NoGas	0.810	ppb	5.1	24,554	90	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.2	1,322,036	1273530.34333333	103.8	
Sc	45	H2	Analog	5.4	4,058,364	4358787.67666667	93.1	
Sc	45	He	Pulse	4.5	714,633	759583.66	94.1	
Sc	45	NoGas	Analog	2.1	5,424,922	5454664.56333333	99.5	
Ge	74	H2	Analog	8.9	1,366,638	1464355.28333333	93.3	
Ge	74	He	Pulse	3.4	414,110	448917.35	92.2	
Ge	74	NoGas	Analog	1.6	1,424,200	1420023.47	100.3	
Rh	103	He	Pulse	4.1	903,708	999309.32666667	90.4	
Rh	103	NoGas	Analog	1.3	1,430,620	1442229.58	99.2	
Tb	159	He	Analog	4.6	1,488,853	1537809.17666667	96.8	
Tb	159	NoGas	Analog	3.3	2,204,369	2224243.80333333	99.1	
Bi	209	He	Pulse	3.2	816,851	904972.74666667	90.3	
Bi	209	NoGas	Mix	9.0	1,120,793	1185728.97666667	94.5	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLB	Total Dilution:	1.0000
File Name:	101CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL3
Acq Time:	5/14/2020 18:20:24	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.686	ppb	9.3	6,756	93.67	
Na	23	45	He	87.251	ppb	2.4	210,404	96.95	
Mg	24	45	He	87.120	ppb	2.0	111,559	96.8	
Al	27	45	He	90.206	ppb	3.3	61,993	100.23	
K	39	45	He	91.577	ppb	5.4	196,906	101.75	
Ca	44	45	H2	547.312	ppb	0.3	196,998	101.35	
[Ca]	44	45	He	510.748	ppb	4.4	28,839	94.58	
Ti	47	45	NoGas	1.667	ppb	4.8	3,249	92.61	
V	51	74	He	1.919	ppb	3.2	15,245	106.61	
Cr	52	74	He	1.774	ppb	1.6	14,673	98.56	
Mn	55	74	He	1.793	ppb	0.3	10,235	99.61	
Fe	56	74	H2	92.058	ppb	0.5	1,873,779	102.29	
Co	59	74	He	1.789	ppb	1.3	18,692	99.39	
Ni	60	74	He	1.623	ppb	5.2	4,709	90.17	
Cu	65	74	He	1.777	ppb	2.4	5,867	98.72	
Zn	66	74	He	1.680	ppb	5.5	2,196	93.33	
As	75	74	He	1.792	ppb	6.0	1,506	99.56	
Se	78	74	H2	1.759	ppb	4.0	804	97.72	
Mo	95	103	He	1.781	ppb	3.4	5,567	98.94	
Ag	107	103	He	1.811	ppb	1.2	16,240	100.61	
Cd	111	103	He	1.776	ppb	4.6	2,587	98.67	
[Cd]	111	103	NoGas	1.510	ppb	6.3	4,426	83.89	
Sb	121	103	He	1.781	ppb	2.1	7,572	98.94	
Ba	138	159	He	1.735	ppb	5.6	17,729	96.39	
Hg	201	159	NoGas	58.244	ppt	12.7	91	80.89	
Tl	205	159	He	1.598	ppb	4.5	28,633	88.78	
Pb	208	159	NoGas	1.607	ppb	5.3	47,796	89.28	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	6.5	1,308,899	1273530.34333333	102.8	
Sc	45	H2	Analog	1.4	4,017,911	4358787.67666667	92.2	
Sc	45	He	Pulse	2.5	704,745	759583.66	92.8	
Sc	45	NoGas	Analog	4.5	5,425,523	5454664.56333333	99.5	
Ge	74	H2	Analog	1.3	1,363,325	1464355.28333333	93.1	
Ge	74	He	Pulse	2.0	411,107	448917.35	91.6	
Ge	74	NoGas	Analog	3.8	1,405,050	1420023.47	98.9	
Rh	103	He	Pulse	2.5	897,659	999309.32666667	89.8	
Rh	103	NoGas	Analog	5.8	1,400,357	1442229.58	97.1	
Tb	159	He	Analog	4.1	1,459,075	1537809.17666667	94.9	
Tb	159	NoGas	Analog	5.9	2,182,564	2224243.80333333	98.1	
Bi	209	He	Pulse	2.3	809,311	904972.74666667	89.4	
Bi	209	NoGas	Mix	10.0	1,107,665	1185728.97666667	93.4	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLC	Total Dilution:	1.0000
File Name:	102CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL4
Acq Time:	5/14/2020 18:25:30	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.570	ppb	5.0	14,178	99.17	
Na	23	45	He	179.175	ppb	2.5	411,912	99.54	
Mg	24	45	He	178.344	ppb	2.6	225,481	99.08	
Al	27	45	He	181.560	ppb	2.2	124,711	100.87	
K	39	45	He	181.796	ppb	2.4	295,398	101	
Ca	44	45	H2	1085.716	ppb	1.0	396,761	100.53	
[Ca]	44	45	He	1039.417	ppb	2.1	58,031	96.24	
Ti	47	45	NoGas	3.537	ppb	2.3	6,580	98.25	
V	51	74	He	3.713	ppb	0.9	27,633	103.14	
Cr	52	74	He	3.530	ppb	2.0	28,563	98.06	
Mn	55	74	He	3.547	ppb	1.8	20,154	98.53	
Fe	56	74	H2	187.515	ppb	2.5	3,798,270	104.18	
Co	59	74	He	3.601	ppb	2.2	37,705	100.03	
Ni	60	74	He	3.464	ppb	1.4	9,548	96.22	
Cu	65	74	He	3.701	ppb	1.5	12,090	102.81	
Zn	66	74	He	3.593	ppb	3.4	4,565	99.81	
As	75	74	He	3.541	ppb	1.4	2,932	98.36	
Se	78	74	H2	3.434	ppb	2.3	1,583	95.39	
Mo	95	103	He	3.763	ppb	1.1	11,824	104.53	
Ag	107	103	He	3.626	ppb	1.7	32,826	100.72	
Cd	111	103	He	3.443	ppb	2.7	5,062	95.64	
[Cd]	111	103	NoGas	3.165	ppb	0.8	9,257	87.92	
Sb	121	103	He	3.656	ppb	1.9	15,661	101.56	
Ba	138	159	He	3.422	ppb	0.9	35,651	95.06	
Hg	201	159	NoGas	126.270	ppt	2.3	176	87.69	
Tl	205	159	He	3.132	ppb	1.2	57,599	87	
Pb	208	159	NoGas	3.287	ppb	1.5	95,614	91.31	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.7	1,302,408	1273530.34333333	102.3	
Sc	45	H2	Analog	0.8	4,104,474	4358787.67666667	94.2	
Sc	45	He	Pulse	1.6	707,527	759583.66	93.1	
Sc	45	NoGas	Analog	0.7	5,342,493	5454664.56333333	97.9	
Ge	74	H2	Analog	0.9	1,379,231	1464355.28333333	94.2	
Ge	74	He	Pulse	0.8	414,525	448917.35	92.3	
Ge	74	NoGas	Analog	2.4	1,385,030	1420023.47	97.5	
Rh	103	He	Pulse	1.2	906,609	999309.32666667	90.7	
Rh	103	NoGas	Analog	2.1	1,395,622	1442229.58	96.8	
Tb	159	He	Analog	0.7	1,496,832	1537809.17666667	97.3	
Tb	159	NoGas	Analog	2.1	2,138,561	2224243.80333333	96.1	
Bi	209	He	Pulse	1.0	823,128	904972.74666667	91.0	
Bi	209	NoGas	Mix	7.3	1,100,793	1185728.97666667	92.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCVA	Total Dilution:	1.0000
File Name:	113_CCV.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 19:21:14	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.891	ppb	1.2	156,241	40	97.23	
Na	23	45	He	4033.079	ppb	2.3	8,914,802	4000	100.83	
Mg	24	45	He	4254.641	ppb	3.2	5,349,359	4000	106.37	
Al	27	45	He	4108.841	ppb	3.1	2,837,958	4000	102.72	
K	39	45	He	4247.560	ppb	3.0	4,743,406	4000	106.19	
Ca	44	45	H2	4400.191	ppb	2.7	1,630,954	4000	110	> +/- 10%
[Ca]	44	45	He	3965.033	ppb	3.2	221,067	4000	99.13	
Ti	47	45	NoGas	93.566	ppb	1.5	173,606	100	93.57	
V	51	74	He	99.139	ppb	2.7	683,122	100	99.14	
Cr	52	74	He	99.366	ppb	2.6	784,301	100	99.37	
Mn	55	74	He	101.132	ppb	2.7	570,196	100	101.13	
Fe	56	74	H2	4233.080	ppb	2.2	85,358,450	4000	105.83	
Co	59	74	He	102.312	ppb	2.4	1,071,078	100	102.31	
Ni	60	74	He	101.541	ppb	2.8	266,512	100	101.54	
Cu	65	74	He	101.917	ppb	1.9	329,114	100	101.92	
Zn	66	74	He	96.750	ppb	2.1	119,619	100	96.75	
As	75	74	He	97.194	ppb	2.5	79,035	100	97.19	
Se	78	74	H2	38.375	ppb	2.5	17,817	40	95.94	
Mo	95	103	He	41.314	ppb	3.6	127,928	40	103.29	
Ag	107	103	He	40.838	ppb	3.2	365,717	40	102.1	
Cd	111	103	He	95.877	ppb	3.7	139,389	100	95.88	
[Cd]	111	103	NoGas	85.447	ppb	3.0	250,449	100	85.45	> +/- 10%
Sb	121	103	He	39.956	ppb	3.1	169,021	40	99.89	
Ba	138	159	He	97.517	ppb	3.1	998,886	100	97.52	
Hg	201	159	NoGas	722.244	ppt	4.1	976	800	90.28	
Tl	205	159	He	35.607	ppb	3.9	648,291	40	89.02	> +/- 10%
Pb	208	159	NoGas	93.483	ppb	1.5	2,817,692	100	93.48	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	2.2	1,323,001	1273530.34333333	103.9	
Sc	45	H2	Analog	2.8	4,184,995	4358787.67666667	96.0	
Sc	45	He	Pulse	2.8	714,910	759583.06	94.1	
Sc	45	NoGas	Analog	0.5	5,476,688	5454664.56333333	100.4	
Ge	74	H2	Analog	2.1	1,394,401	1464355.28333333	95.2	
Ge	74	He	Pulse	2.2	416,867	448917.35	92.9	
Ge	74	NoGas	Analog	1.4	1,416,571	1420023.47	99.8	
Rh	103	He	Pulse	3.1	897,843	999309.32666667	89.8	
Rh	103	NoGas	Analog	2.2	1,400,619	1442229.58	97.1	
Tb	159	He	Analog	3.4	1,483,763	1537809.17666667	96.5	
Tb	159	NoGas	Analog	1.3	2,223,446	2224243.80333333	100.0	
Bi	209	He	Pulse	3.2	816,095	904972.74666667	90.2	
Bi	209	NoGas	Mix	5.9	1,140,191	1185728.97666667	96.2	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB7	Total Dilution: 1.0000
File Name: 114_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type: CCB
Acq Time: 5/14/2020 19:26:13	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.006	ppb	114.9	107	
Na	23	45	He	-1.878	ppb	N/A	17,212	
Mg	24	45	He	-1.258	ppb	N/A	2,137	
Al	27	45	He	0.079	ppb	73.4	660	
K	39	45	He	3.101	ppb	92.6	105,113	
Ca	44	45	H2	-0.756	ppb	N/A	2,308	
[Ca]	44	45	He	-0.584	ppb	N/A	882	
Ti	47	45	NoGas	0.037	ppb	37.7	253	
V	51	74	He	0.063	ppb	19.2	2,729	
Cr	52	74	He	-0.013	ppb	N/A	784	
Mn	55	74	He	0.015	ppb	38.5	356	
Fe	56	74	H2	-0.075	ppb	N/A	59,833	
Co	59	74	He	0.006	ppb	93.3	288	
Ni	60	74	He	-0.113	ppb	N/A	231	
Cu	65	74	He	0.004	ppb	102.9	228	
Zn	66	74	He	0.002	ppb	1395.4	157	
As	75	74	He	0.034	ppb	72.3	99	
Se	78	74	H2	0.029	ppb	53.1	19	
Mo	95	103	He	0.018	ppb	63.6	111	
Ag	107	103	He	0.004	ppb	49.6	52	
Cd	111	103	He	0.012	ppb	37.2	23	
[Cd]	111	103	NoGas	0.009	ppb	58.0	37	
Sb	121	103	He	0.148	ppb	6.1	677	
Ba	138	159	He	0.010	ppb	24.8	374	
Hg	201	159	NoGas	0.678	ppt	174.4	16	
Tl	205	159	He	0.009	ppb	5.4	204	
Pb	208	159	NoGas	0.010	ppb	14.1	670	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	3.2	1,303,403	1273530.34333333	102.3	
Sc	45	H2	Analog	2.3	4,262,606	4358787.67666667	97.8	
Sc	45	He	Pulse	2.6	729,584	759583.66	96.1	
Sc	45	NoGas	Analog	0.6	5,369,966	5454664.56333333	98.4	
Ge	74	H2	Analog	2.0	1,402,632	1464355.28333333	95.8	
Ge	74	He	Pulse	1.5	419,856	448917.35	93.5	
Ge	74	NoGas	Analog	0.2	1,421,843	1420023.47	100.1	
Rh	103	He	Pulse	1.9	915,323	999309.32666667	91.6	
Rh	103	NoGas	Analog	0.7	1,399,894	1442229.58	97.1	
Tb	159	He	Analog	3.6	1,495,626	1537809.17666667	97.3	
Tb	159	NoGas	Analog	0.2	2,183,489	2224243.80333333	98.2	
Bi	209	He	Pulse	2.1	808,628	904972.74666667	89.4	
Bi	209	NoGas	Pulse	0.1	1,027,891	1185728.97666667	86.7	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name: 0E14035-CCVB	Total Dilution: 1.0000
File Name: 125_CCv.d	Vial: 2
File Path: C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type: CCV
Acq Time: 5/14/2020 20:22:13	I.S. Reference File: 008CALB.d
Comment: A20D039 KT 5/14	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	40.516	ppb	2.2	156,254	40	101.29	
Na	23	45	He	3975.254	ppb	1.0	8,710,138	4000	99.38	
Mg	24	45	He	4219.474	ppb	1.7	5,259,256	4000	105.49	
Al	27	45	He	4081.746	ppb	2.0	2,794,730	4000	102.04	
K	39	45	He	4164.460	ppb	1.4	4,612,141	4000	104.11	
Ca	44	45	H2	4346.412	ppb	0.8	1,592,487	4000	108.66	
[Ca]	44	45	He	3946.337	ppb	1.4	218,130	4000	98.66	
Ti	47	45	NoGas	98.665	ppb	1.0	173,618	100	98.66	
V	51	74	He	98.617	ppb	1.0	677,344	100	98.62	
Cr	52	74	He	98.709	ppb	1.4	776,583	100	98.71	
Mn	55	74	He	100.520	ppb	0.9	564,935	100	100.52	
Fe	56	74	H2	4169.541	ppb	1.2	84,420,376	4000	104.24	
Co	59	74	He	102.422	ppb	1.2	1,068,708	100	102.42	
Ni	60	74	He	101.947	ppb	1.0	266,718	100	101.95	
Cu	65	74	He	102.179	ppb	1.1	328,859	100	102.18	
Zn	66	74	He	96.536	ppb	1.8	118,954	100	96.54	
As	75	74	He	97.616	ppb	0.7	79,120	100	97.62	
Se	78	74	H2	38.546	ppb	2.5	17,970	40	96.36	
Mo	95	103	He	41.713	ppb	2.3	128,700	40	104.28	
Ag	107	103	He	40.963	ppb	2.4	365,492	40	102.41	
Cd	111	103	He	96.332	ppb	2.1	139,549	100	96.33	
[Cd]	111	103	NoGas	91.102	ppb	1.0	253,528	100	91.1	
Sb	121	103	He	40.348	ppb	1.7	170,059	40	100.87	
Ba	138	159	He	97.567	ppb	1.0	994,129	100	97.57	
Hg	201	159	NoGas	758.697	ppt	4.1	985	800	94.84	
Tl	205	159	He	35.982	ppb	0.9	651,834	40	89.96	> +/- 10%
Pb	208	159	NoGas	98.647	ppb	2.7	2,859,065	100	98.65	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.8	1,270,535	1273530.34333333	99.8	
Sc	45	H2	Analog	1.4	4,135,003	4358787.67666667	94.9	
Sc	45	He	Pulse	1.0	708,376	759583.66	93.3	
Sc	45	NoGas	Analog	1.5	5,194,616	5454664.56333333	95.2	
Ge	74	H2	Analog	0.8	1,399,690	1464355.28333333	95.6	
Ge	74	He	Pulse	0.7	415,382	448917.35	92.5	
Ge	74	NoGas	Analog	1.3	1,392,665	1420023.47	98.1	
Rh	103	He	Pulse	1.4	894,164	999309.32666667	89.5	
Rh	103	NoGas	Analog	1.4	1,329,396	1442229.58	92.2	
Tb	159	He	Analog	0.3	1,474,996	1537809.17666667	95.9	
Tb	159	NoGas	Analog	2.4	2,138,595	2224243.80333333	96.1	
Bi	209	He	Pulse	1.3	815,004	904972.74666667	90.1	
Bi	209	NoGas	Pulse	1.2	1,044,882	1185728.97666667	88.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	0E14035-CCB8	Total Dilution:	1.0000
File Name:	126_CCB.d	Vial:	1
File Path:	C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type:	CCB
Acq Time:	5/14/2020 20:27:15	I.S. Reference File:	008CALB.d
Comment:	CCB	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	-0.001	ppb	N/A	79	
Na	23	45	He	-2.109	ppb	N/A	16,814	
Mg	24	45	He	-1.124	ppb	N/A	2,325	
Al	27	45	He	0.494	ppb	22.9	958	
K	39	45	He	0.360	ppb	740.8	102,740	
Ca	44	45	H2	-0.339	ppb	N/A	2,428	
[Ca]	44	45	He	-1.226	ppb	N/A	851	
Ti	47	45	NoGas	0.071	ppb	47.9	315	
V	51	74	He	0.056	ppb	26.2	2,703	
Cr	52	74	He	0.003	ppb	145.9	918	
Mn	55	74	He	0.024	ppb	54.8	412	
Fe	56	74	H2	0.422	ppb	63.7	70,156	
Co	59	74	He	0.006	ppb	49.7	290	
Ni	60	74	He	-0.120	ppb	N/A	213	
Cu	65	74	He	-0.007	ppb	N/A	192	
Zn	66	74	He	0.023	ppb	138.3	184	
As	75	74	He	0.025	ppb	67.9	92	
Se	78	74	H2	0.031	ppb	31.4	20	
Mo	95	103	He	0.020	ppb	21.1	121	
Ag	107	103	He	0.006	ppb	11.4	73	
Cd	111	103	He	0.028	ppb	4.6	47	
[Cd]	111	103	NoGas	0.008	ppb	40.7	34	
Sb	121	103	He	0.113	ppb	9.0	533	
Ba	138	159	He	0.008	ppb	43.1	358	
Hg	201	159	NoGas	0.549	ppt	538.9	15	
Tl	205	159	He	0.012	ppb	15.0	256	
Pb	208	159	NoGas	0.013	ppb	16.9	731	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	2.9	1,286,146	1273530.34333333	101.0	
Sc	45	H2	Analog	2.9	4,202,945	4358787.67666667	96.4	
Sc	45	He	Pulse	3.2	734,564	759583.66	96.7	
Sc	45	NoGas	Analog	1.9	5,367,269	5454664.56333333	98.4	
Ge	74	H2	Analog	3.5	1,409,232	1464355.28333333	96.2	
Ge	74	He	Pulse	2.1	423,013	448917.35	94.2	
Ge	74	NoGas	Analog	1.3	1,408,062	1420023.47	99.2	
Rh	103	He	Pulse	3.2	928,155	999309.32666667	92.9	
Rh	103	NoGas	Analog	1.8	1,399,859	1442229.58	97.1	
Tb	159	He	Analog	3.1	1,499,122	1537809.17666667	97.5	
Tb	159	NoGas	Analog	1.4	2,136,416	2224243.80333333	96.1	
Bi	209	He	Pulse	3.1	817,958	904972.74666667	90.4	
Bi	209	NoGas	Mix	7.1	1,068,433	1185728.97666667	90.1	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	0E14035-CCVC	Total Dilution:	1.0000
File Name:	128_CCVC.d	Vial:	2
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CCV
Acq Time:	5/14/2020 20:37:36	I.S. Reference File:	008CALB.d
Comment:	A20D039 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38,907	ppb	6.4	152,607	40	97.27	
Na	23	45	He	3965.812	ppb	4.7	8,604,169	4000	99.15	
Mg	24	45	He	4213.644	ppb	4.9	5,200,490	4000	105.34	
Al	27	45	He	4081.782	ppb	5.7	2,766,809	4000	102.04	
K	39	45	He	4141.751	ppb	3.7	4,543,869	4000	103.54	
Ca	44	45	H2	4646.587	ppb	8.1	1,592,824	4000	116.16	> +/- 10%
[Ca]	44	45	He	3922.513	ppb	4.0	214,731	4000	98.06	
Ti	47	45	NoGas	94.728	ppb	4.2	171,362	100	94.73	
V	51	74	He	97.596	ppb	3.1	667,695	100	97.6	
Cr	52	74	He	98.124	ppb	3.3	768,894	100	98.12	
Mn	55	74	He	99.778	ppb	3.2	558,514	100	99.78	
Fe	56	74	H2	4519.879	ppb	11.7	83,714,453	4000	113	> +/- 10%
Co	59	74	He	101.637	ppb	3.2	1,056,315	100	101.64	
Ni	60	74	He	100.068	ppb	3.5	260,753	100	100.07	
Cu	65	74	He	100.181	ppb	3.3	321,140	100	100.18	
Zn	66	74	He	95.250	ppb	2.5	116,919	100	95.25	
As	75	74	He	96.849	ppb	3.7	78,178	100	96.85	
Se	78	74	H2	41.649	ppb	12.3	17,757	40	104.12	
Mo	95	103	He	41.181	ppb	5.3	126,796	40	102.95	
Ag	107	103	He	40.762	ppb	4.4	363,040	40	101.9	
Cd	111	103	He	95.680	ppb	5.1	138,330	100	95.68	
[Cd]	111	103	NoGas	85.796	ppb	5.9	247,045	100	85.8	> +/- 10%
Sb	121	103	He	40.006	ppb	4.7	168,286	40	100.02	
Ba	138	159	He	96.738	ppb	4.4	981,261	100	96.74	
Hg	201	159	NoGas	743.536	ppt	5.9	982	800	92.94	
Tl	205	159	He	35.907	ppb	3.5	647,672	40	89.77	> +/- 10%
Pb	208	159	NoGas	95.420	ppb	3.6	2,813,969	100	95.42	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	6.1	1,294,831	1273530.34333333	101.7	
Sc	45	H2	Analog	6.5	3,882,466	4358787.67666667	89.1	
Sc	45	He	Pulse	3.9	702,211	759583.66	92.4	
Sc	45	NoGas	Analog	2.8	5,343,582	5454664.56333333	98.0	
Ge	74	H2	Mix	9.7	1,290,234	1464355.28333333	88.1	
Ge	74	He	Pulse	2.6	413,928	448917.35	92.2	
Ge	74	NoGas	Analog	1.5	1,394,044	1420023.47	98.2	
Rh	103	He	Pulse	3.8	893,344	999309.32666667	89.4	
Rh	103	NoGas	Analog	4.3	1,377,699	1442229.58	95.5	
Tb	159	He	Analog	3.4	1,469,793	1537809.17666667	95.6	
Tb	159	NoGas	Analog	2.3	2,176,406	2224243.80333333	97.8	
Bi	209	He	Pulse	3.4	815,794	904972.74666667	90.1	
Bi	209	NoGas	Mix	8.7	1,099,918	1185728.97666667	92.8	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name: 0E14035-CCB9	Total Dilution: 1.0000
File Name: 129_CCB.d	Vial: 1
File Path: C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type: CCB
Acq Time: 5/14/2020 20:42:39	I.S. Reference File: 008CALB.d
Comment: CCB	Last Calibration: 05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.004	ppb	106.7	98	
Na	23	45	He	-2.244	ppb	N/A	16,324	
Mg	24	45	He	-1.079	ppb	N/A	2,358	
Al	27	45	He	0.469	ppb	16.5	931	
K	39	45	He	-0.087	ppb	N/A	101,141	
Ca	44	45	H2	-0.149	ppb	N/A	2,405	
[Ca]	44	45	He	-1.276	ppb	N/A	840	
Ti	47	45	NoGas	0.071	ppb	40.2	322	
V	51	74	He	0.046	ppb	34.6	2,609	
Cr	52	74	He	-0.001	ppb	N/A	883	
Mn	55	74	He	0.008	ppb	88.9	320	
Fe	56	74	H2	0.273	ppb	42.1	65,044	
Co	59	74	He	0.011	ppb	16.4	343	
Ni	60	74	He	-0.095	ppb	N/A	277	
Cu	65	74	He	-0.006	ppb	N/A	194	
Zn	66	74	He	0.012	ppb	350.5	169	
As	75	74	He	0.018	ppb	39.6	87	
Se	78	74	H2	0.036	ppb	29.1	21	
Mo	95	103	He	0.016	ppb	32.0	108	
Ag	107	103	He	0.005	ppb	25.8	67	
Cd	111	103	He	0.019	ppb	2.9	33	
[Cd]	111	103	NoGas	0.017	ppb	24.9	59	
Sb	121	103	He	0.136	ppb	11.4	630	
Ba	138	159	He	0.012	ppb	30.5	404	
Hg	201	159	NoGas	0.514	ppt	552.7	16	
Tl	205	159	He	0.012	ppb	6.9	259	
Pb	208	159	NoGas	0.013	ppb	16.9	749	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Analog	1.5	1,317,076	1273530.34333333	103.4	
Sc	45	H2	Analog	1.8	4,041,799	4358787.67666667	92.7	
Sc	45	He	Pulse	2.7	726,536	759583.66	95.6	
Sc	45	NoGas	Analog	3.1	5,484,246	5454664.56333333	100.5	
Ge	74	H2	Analog	2.5	1,363,880	1464355.28333333	93.1	
Ge	74	He	Pulse	1.7	419,778	448917.35	93.5	
Ge	74	NoGas	Analog	2.4	1,424,760	1420023.47	100.3	
Rh	103	He	Pulse	2.6	922,800	999309.32666667	92.3	
Rh	103	NoGas	Analog	4.3	1,431,107	1442229.58	99.2	
Tb	159	He	Analog	1.7	1,503,058	1537809.17666667	97.7	
Tb	159	NoGas	Analog	3.9	2,217,911	2224243.80333333	99.7	
Bi	209	He	Pulse	1.4	816,175	904972.74666667	90.2	
Bi	209	NoGas	Mix	11.4	1,118,191	1185728.97666667	94.3	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLD	Total Dilution:	1.0000
File Name:	130CRL.d	Vial:	1102
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL1
Acq Time:	5/14/2020 20:47:47	I.S. Reference File:	008CALB.d
Comment:	A20D395 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.176	ppb	5.1	780	97.78	
Na	23	45	He	6.107	ppb	4.5	35,169	67.86	R-11
Mg	24	45	He	7.244	ppb	2.7	13,036	80.49	
Al	27	45	He	9.090	ppb	6.6	7,005	101	
K	39	45	He	8.635	ppb	25.8	111,225	95.94	
Ca	44	45	H2	55.459	ppb	0.5	22,631	102.7	
[Ca]	44	45	He	49.152	ppb	3.9	3,700	91.02	
Ti	47	45	NoGas	0.219	ppb	0.6	591	121.67	
V	51	74	He	0.223	ppb	8.1	3,861	123.89	
Cr	52	74	He	0.182	ppb	11.4	2,349	101.11	
Mn	55	74	He	0.172	ppb	8.8	1,255	95.56	
Fe	56	74	H2	7.841	ppb	2.0	219,453	87.12	
Co	59	74	He	0.180	ppb	3.6	2,137	100	
Ni	60	74	He	0.039	ppb	27.7	636	21.67	R-11
Cu	65	74	He	0.172	ppb	13.2	778	95.56	
Zn	66	74	He	0.160	ppb	10.1	356	88.89	
As	75	74	He	0.187	ppb	10.9	226	103.89	
Se	78	74	H2	0.176	ppb	6.5	87	97.78	
Mo	95	103	He	0.176	ppb	6.4	616	97.78	
Ag	107	103	He	0.174	ppb	4.9	1,617	96.67	
Cd	111	103	He	0.174	ppb	6.4	265	96.67	
[Cd]	111	103	NoGas	0.171	ppb	9.2	507	95	
Sb	121	103	He	0.243	ppb	10.1	1,095	135	R-11
Ba	138	159	He	0.168	ppb	1.0	2,017	93.33	
Hg	201	159	NoGas	5.244	ppl	40.4	22	72.83	
Tl	205	159	He	0.163	ppb	5.8	3,050	90.56	
Pb	208	159	NoGas	0.166	ppb	7.0	5,273	92.22	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.8	1,303,810	1273530.34333333	102.4	
Sc	45	H2	Analog	0.8	4,103,513	4358787.67666667	94.1	
Sc	45	He	Pulse	1.3	728,940	759583.66	96.0	
Sc	45	NoGas	Analog	2.1	5,436,210	5454664.56333333	99.7	
Ge	74	H2	Analog	0.6	1,397,024	1464355.28333333	95.4	
Ge	74	He	Pulse	0.5	422,180	448917.35	94.0	
Ge	74	NoGas	Analog	2.4	1,419,725	1420023.47	100.0	
Rh	103	He	Pulse	1.1	922,777	999309.32666667	92.3	
Rh	103	NoGas	Analog	2.3	1,391,958	1442229.58	96.5	
Tb	159	He	Analog	0.3	1,504,557	1537809.17666667	97.8	
Tb	159	NoGas	Analog	2.3	2,182,472	2224243.80333333	98.1	
Bi	209	He	Pulse	0.7	817,526	904972.74666667	90.3	
Bi	209	NoGas	Pulse	2.0	1,045,725	1185728.97666667	88.2	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLE	Total Dilution:	1.0000
File Name:	131_CRL.d	Vial:	1103
File Path:	C:\Agilent\ICPMH\1\DATA\0E14035.b	Sample Type:	CRL2
Acq Time:	5/14/2020 20:52:58	I.S. Reference File:	008CALB.d
Comment:	A20D396 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	0.947	ppb	4.8	3,796	105.22	
Na	23	45	He	41.542	ppb	5.1	117,010	92.32	
Mg	24	45	He	42.409	ppb	4.1	59,189	94.24	
Al	27	45	He	44.266	ppb	3.2	32,385	98.37	
K	39	45	He	43.528	ppb	12.4	152,942	96.73	
Ca	44	45	H2	276.739	ppb	3.9	104,579	102.5	
[Ca]	44	45	He	256.454	ppb	3.3	15,735	94.98	
Ti	47	45	NoGas	0.888	ppb	12.3	1,796	98.67	
V	51	74	He	0.951	ppb	1.3	9,040	105.67	
Cr	52	74	He	0.866	ppb	5.6	7,909	96.22	
Mn	55	74	He	0.881	ppb	3.7	5,373	97.89	
Fe	56	74	H2	42.797	ppb	2.6	931,169	95.1	
Co	59	74	He	0.920	ppb	4.4	10,100	102.22	
Ni	60	74	He	0.759	ppb	6.0	2,578	84.33	
Cu	65	74	He	0.902	ppb	7.2	3,205	100.22	
Zn	66	74	He	0.824	ppb	8.1	1,201	91.56	
As	75	74	He	0.923	ppb	6.6	842	102.56	
Se	78	74	H2	0.902	ppb	5.1	427	100.22	
Mo	95	103	He	0.901	ppb	2.0	2,970	100.11	
Ag	107	103	He	0.894	ppb	3.3	8,381	99.33	
Cd	111	103	He	0.845	ppb	4.2	1,288	93.89	
[Cd]	111	103	NoGas	0.834	ppb	9.0	2,413	92.67	
Sb	121	103	He	0.918	ppb	7.6	4,093	102	
Ba	138	159	He	0.837	ppb	5.4	9,182	93	
Hg	201	159	NoGas	30.737	ppt	9.3	54	85.38	
Tl	205	159	He	0.791	ppb	5.1	14,981	87.89	
Pb	208	159	NoGas	0.814	ppb	5.7	24,024	90.44	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.8	1,292,681	1273530.34333333	101.5	
Sc	45	H2	Analog	3.0	4,170,867	4358787.67666667	95.7	
Sc	45	He	Pulse	3.5	743,117	759583.66	97.8	
Sc	45	NoGas	Analog	5.3	5,375,377	5454664.56333333	98.5	
Ge	74	H2	Analog	3.0	1,406,442	1464355.28333333	96.0	
Ge	74	He	Pulse	2.1	427,731	448917.35	95.3	
Ge	74	NoGas	Analog	4.7	1,408,122	1420023.47	99.2	
Rh	103	He	Pulse	3.5	938,158	999309.32666667	93.9	
Rh	103	NoGas	Analog	4.8	1,380,377	1442229.58	95.7	
Tb	159	He	Analog	4.5	1,541,020	1537809.17666667	100.2	
Tb	159	NoGas	Analog	5.0	2,148,262	2224243.80333333	96.6	
Bi	209	He	Pulse	3.2	831,829	904972.74666667	91.9	
Bi	209	NoGas	Mix	11.3	1,088,180	1185728.97666667	91.8	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLF	Total Dilution:	1.0000
File Name:	132CRL_d	Vial:	1104
File Path:	C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type:	CRL3
Acq Time:	5/14/2020 20:58:08	I.S. Reference File:	008CALB.d
Comment:	A20D397 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	1.740	ppb	2.5	6,960	96.67	
Na	23	45	He	86.217	ppb	2.3	214,709	95.8	
Mg	24	45	He	86.485	ppb	2.1	114,254	96.09	
Al	27	45	He	89.081	ppb	2.0	63,166	98.98	
K	39	45	He	89.483	µpb	3.4	200,802	99.43	
Ca	44	45	H2	538.923	ppb	1.5	201,952	99.8	
[Ca]	44	45	He	509.033	ppb	2.0	29,661	94.27	
Ti	47	45	NoGas	1.651	ppb	3.7	3,225	91.72	
V	51	74	He	1.862	ppb	0.9	15,202	103.44	
Cr	52	74	He	1.784	ppb	1.4	15,088	99.11	
Mn	55	74	He	1.782	ppb	0.7	10,409	99	
Fe	56	74	H2	91.170	ppb	4.0	1,930,530	101.3	
Co	59	74	He	1.815	ppb	1.9	19,393	100.83	
Ni	60	74	He	1.672	ppb	3.1	4,949	92.89	
Cu	65	74	He	1.791	ppb	0.6	6,048	99.5	
Zn	66	74	He	1.787	ppb	6.9	2,380	99.28	
As	75	74	He	1.722	ppb	2.9	1,484	95.67	
Se	78	74	H2	1.748	ppb	4.3	832	97.11	
Mo	95	103	He	1.809	ppb	2.2	5,774	100.5	
Ag	107	103	He	1.766	ppb	2.2	16,171	98.11	
Cd	111	103	He	1.757	ppb	3.3	2,614	97.61	
[Cd]	111	103	NoGas	1.549	µpb	3.3	4,546	86.06	
Sb	121	103	He	1.789	ppb	0.5	7,766	99.39	
Ba	138	159	He	1.715	ppb	3.1	17,944	95.28	
Hg	201	159	NoGas	58.123	ppt	6.8	91	80.73	
Tl	205	159	He	1.561	ppb	2.1	28,644	86.72	
Pb	208	159	NoGas	1.595	ppb	0.8	47,420	88.61	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	3.7	1,302,444	1273530.34333333	102.3	
Sc	45	H2	Analog	2.6	4,183,221	4358787.67666667	96.0	
Sc	45	He	Pulse	1.6	726,832	759583.66	95.7	
Sc	45	NoGas	Analog	2.2	5,431,437	5454664.56333333	99.6	
Ge	74	H2	Analog	3.4	1,418,945	1464355.28333333	96.9	
Ge	74	He	Pulse	0.5	420,529	448917.35	93.7	
Ge	74	NoGas	Analog	2.7	1,412,401	1420023.47	99.5	
Rh	103	He	Pulse	0.9	916,707	999309.32666667	91.7	
Rh	103	NoGas	Analog	2.6	1,399,746	1442229.58	97.1	
Tb	159	He	Analog	1.6	1,492,704	1537809.17666667	97.1	
Tb	159	NoGas	Analog	2.0	2,176,657	2224243.80333333	97.9	
Bi	209	He	Pulse	1.5	819,230	904972.74666667	90.5	
Bi	209	NoGas	Mix	6.8	1,123,668	1185728.97666667	94.8	

CRL Verification Report - ICPMS5

Sample Name:	0E14035-CRLG	Total Dilution:	1.0000
File Name:	133CRL4.d	Vial:	1105
File Path:	C:\Agilent\ICPMH1\DATA\0E14035.b	Sample Type:	CRL4
Acq Time:	5/14/2020 21:03:14	I.S. Reference File:	008CALB.d
Comment:	A20D398 KT 5/14	Last Calibration:	05/14/2020 10:57:32

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	RSD	CPS	% Rec	Flag
Be	9	6	NoGas	3.643	ppb	5.9	14,500	101.19	
Na	23	45	He	175.826	ppb	4.0	419,349	97.68	
Mg	24	45	He	175.138	ppb	4.6	229,531	97.3	
Al	27	45	He	176.574	ppb	4.4	125,708	98.1	
K	39	45	He	177.569	ppb	5.5	301,405	98.65	
Ca	44	45	H2	1093.942	ppb	1.4	404,110	101.29	
[Ca]	44	45	He	1017.943	ppb	3.3	58,930	94.25	
Ti	47	45	NoGas	3.517	ppb	6.8	6,465	97.69	
V	51	74	He	3.697	ppb	2.8	28,115	102.69	
Cr	52	74	He	3.538	ppb	2.0	29,245	98.28	
Mn	55	74	He	3.500	ppb	1.4	20,316	97.22	
Fe	56	74	H2	186.885	ppb	0.9	3,830,944	103.82	
Co	59	74	He	3.653	ppb	2.6	39,069	101.47	
Ni	60	74	He	3.435	ppb	4.7	9,675	95.42	
Cu	65	74	He	3.720	ppb	3.4	12,417	103.33	
Zn	66	74	He	3.518	ppb	1.8	4,570	97.72	
As	75	74	He	3.579	ppb	4.4	3,026	99.42	
Se	78	74	H2	3.577	ppb	0.8	1,668	99.36	
Mo	95	103	He	3.492	ppb	2.8	11,192	97	
Ag	107	103	He	3.644	ppb	3.7	33,630	101.22	
Cd	111	103	He	3.481	ppb	4.1	5,218	96.69	
[Cd]	111	103	NoGas	3.314	ppb	8.4	9,430	92.06	
Sb	121	103	He	3.623	ppb	4.4	15,819	100.64	
Ba	138	159	He	3.415	ppb	4.9	36,210	94.86	
Hg	201	159	NoGas	134.818	ppt	14.2	187	93.62	
Tl	205	159	He	3.117	ppb	4.7	58,355	86.58	
Pb	208	159	NoGas	3.304	ppb	5.0	96,492	91.78	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Analog	4.7	1,306,051	1273530.34333333	102.6	
Sc	45	H2	Analog	1.1	4,149,543	4358787.67666667	95.2	
Sc	45	He	Pulse	3.3	733,752	759583.66	96.6	
Sc	45	NoGas	Analog	5.8	5,291,346	5454664.56333333	97.0	
Ge	74	H2	Analog	1.7	1,395,514	1464355.28333333	95.3	
Ge	74	He	Pulse	2.2	423,547	448917.35	94.3	
Ge	74	NoGas	Analog	3.5	1,387,139	1420023.47	97.7	
Rh	103	He	Pulse	3.3	924,919	999309.32666667	92.6	
Rh	103	NoGas	Analog	6.8	1,363,065	1442229.58	94.5	
Tb	159	He	Analog	3.0	1,525,041	1537809.17666667	99.2	
Tb	159	NoGas	Analog	4.5	2,149,344	2224243.80333333	96.6	
Bi	209	He	Pulse	2.2	832,567	904972.74666667	92.0	
Bi	209	NoGas	Mix	10.7	1,110,060	1185728.97666667	93.6	

Metals IFA/IFB Metals Internal Standards Recovery Summary

A20E014 IFA
A20E015 IFB
A20E090 IFA
A20E091 IFB
A0D0763 (I.S Tables)



Analytical Standard Record

Apex Laboratories

A20E014

Description:	ICSA working std	Expires:	08/05/20
Standard Type:	Calibration Standard	Prepared:	05/04/20
Solvent:	3.5% HNO3 + 0.4% HCl	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	06/01/20 13:29 by jsj

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)
A19K163	6020A ICS Interferents A	11/11/19	Marshall Pattee	10/30/20	03/26/20 16:04 by arf	5
A20A078	Conc. HCl - Omnitrace	01/06/20	Chris R. Lee	01/14/22	03/25/20 15:34 by jsj	0.2
A20B207	Conc. HNO3 - Omnitrace	02/17/20	Chris R. Lee	02/15/22	02/27/20 15:22 by jsj	1.75
A20E013	1 W 10 ppm	05/04/20	Kevin Taucher	08/05/20	06/01/20 13:29 by jsj	0.5

Reviewed By _____ Date _____



Analytical Standard Record

Apex Laboratories

A20E015

Description:	ICSA+B working std	Expires:	08/05/20
Standard Type:	Calibration Standard	Prepared:	05/04/20
Solvent:	3.5% HNO3 + 0.4% HCl	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	06/01/20 13:29 by jsj

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

A20E015

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
A19K163	6020A ICS Interferents A	11/11/19	Marshall Pattee	10/30/20	03/26/20 16:04 by arf	5
A19K267	6020A & CLP-M ICS Analytes B	11/19/19	Emily S. Stefansson	11/11/20	12/02/19 15:04 by jsj	0.5
A20A078	Conc. HCl - Omnitrace	01/06/20	Chris R. Lee	01/14/22	03/25/20 15:34 by jsj	0.2
A20B207	Conc. HNO3 - Omnitrace	02/17/20	Chris R. Lee	02/15/22	02/27/20 15:22 by jsj	1.75
A20B268	1 Hg Stock 1.00ppm Primary Std	02/20/20	Marshall Pattee	08/19/20	03/25/20 15:34 by jsj	0.1
A20E013	1 W 10 ppm	05/04/20	Kevin Taucher	08/05/20	06/01/20 13:29 by jsj	0.5

Reviewed By

Date



Analytical Standard Record

Apex Laboratories

A20E090

Description:	ICSA working std	Expires:	08/05/20
Standard Type:	Calibration Standard	Prepared:	05/11/20
Solvent:	3.5% HNO3 + 0.4% HCl	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	05/27/20 17:14 by jsj

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)
A19K163	6020A ICS Interferents A	11/11/19	Marshall Pattee	10/30/20	03/26/20 16:04 by arf	5
A20A078	Conc. HCl - Omnitrace	01/06/20	Chris R. Lee	01/14/22	03/25/20 15:34 by jsj	0.2
A20B207	Conc. HNO3 - Omnitrace	02/17/20	Chris R. Lee	02/15/22	02/27/20 15:22 by jsj	1.75
A20E092	1 W 10 ppm	05/11/20	Kevin Taucher	08/05/20	05/27/20 17:14 by jsj	0.5

Reviewed By _____ Date _____



Analytical Standard Record

Apex Laboratories

A20E091

Description:	ICSA+B working std	Expires:	08/05/20
Standard Type:	Calibration Standard	Prepared:	05/11/20
Solvent:	3.5% HNO3 + 0.4% HCl	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	05/27/20 17:14 by jsj

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

A20E091

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
A19K163	6020A ICS Interferents A	11/11/19	Marshall Pattee	10/30/20	03/26/20 16:04 by arf	5
A19K267	6020A & CLP-M ICS Analytes B	11/19/19	Emily S. Stefansson	11/11/20	12/02/19 15:04 by jsj	0.5
A20A078	Conc. HCl - Omnitrace	01/06/20	Chris R. Lee	01/14/22	03/25/20 15:34 by jsj	0.2
A20B207	Conc. HNO3 - Omnitrace	02/17/20	Chris R. Lee	02/15/22	02/27/20 15:22 by jsj	1.75
A20B268	1 Hg Stock 1.00ppm Primary Std	02/20/20	Marshall Pattee	08/19/20	03/25/20 15:34 by jsj	0.1
A20E092	1 W 10 ppm	05/11/20	Kevin Taucher	08/05/20	05/27/20 17:14 by jsj	0.5

Reviewed By _____

Date _____

###	5/8/2020 10:28 PM	DE98027-CRLG	95.23182022	91.12720443	79.04413356	96.32296891	75.23897260	77.56722505	98.55715425	76.35244217	98.05247506	99.31180896	99.29780156	73.93792438	84.21895830
###	5/8/2020 10:31 PM	Rinse	90.62002947	87.73844641	78.99514095	92.8851712	73.49826221	76.93801337	97.84858024	76.03022701	96.13105081	100.0301137	95.97272879	73.43196981	70.79870828
###	5/8/2020 10:31 PM	Rinse	92.81488111	90.48340924	80.27782576	93.08184892	74.97077285	77.96842641	95.67836324	76.71086276	94.43433924	100.31422131	96.07366234	73.38138698	80.19984203

45 Sc (STD) [He]	45 Sc (STD) [NoGas]	74 Ge (STD) [H2]	74 Ge (STD) [He]	74 Ge (STD) [NoGas]	103 Rh (STD) [He]	103 Rh (STD) [NoGas]	159 Tb (STD) [He]	159 Tb (STD) [NoGas]	209 Bi (STD) [He]	209 Bi (STD) [NoGas]
QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value	QC Measured Value
100	100	100	100	100	100	100	100	100	100	100
99.48562366	94.6218389	93.40977616	98.76069794	92.02113214	98.76718896	90.54491013	89.57175614	90.29791725	98.53850689	87.51179177
100	100	100	100	100	100	100	100	100	100	100
99.57897641	97.77628892	100.1030496	99.69522774	97.15337265	99.73248272	97.10556906	99.80711848	96.23711428	99.58058406	95.31786888
101.10626499	102.2541467	99.53255965	101.5254096	102.0234276	101.0576711	101.6115129	100.2641249	101.3194223	100.7204282	96.33103274
102.3326915	101.8431509	99.17895672	102.1533324	99.66736735	101.8355574	100.3596078	101.3470106	100.7761743	102.1749755	99.92258696
103.1739087	100.0446141	102.2902694	103.0793271	102.265455	103.2632574	98.06915923	102.8263403	100.1294415	104.0128668	99.33802316
102.040944	99.24036939	98.2074939	102.1181523	99.88139999	101.6829419	97.97322657	102.7327068	99.9867134	103.3161662	99.1163745
97.24159741	97.52679935	97.00684893	97.1225591	97.1252378	98.46650688	95.58189331	100.1054557	98.80818845	101.4803675	98.0305293
96.2506213	95.61411537	96.73223298	98.38486829	95.0080845	98.99947071	93.66574825	101.2059575	99.39190726	102.7291407	97.80304113
90.52788081	91.67190841	94.58082027	92.38268875	92.44955499	92.37762326	90.1751582	97.677739	95.12562883	97.06424572	92.63356114
90.42238574	98.80781189	92.24597166	89.82420035	87.67327271	87.33859864	95.10004749	91.60188328	90.41246279	90.83853178	84.85883178
95.9376037	97.39108258	95.13839769	98.1049856	97.51978366	98.27145516	96.05586738	101.891486	99.21675507	102.5309222	97.99996351
98.57384437	100.8090335	99.95812582	98.91990606	101.680047	100.640287	97.3758541	103.3120504	102.8233832	101.8856609	102.9463666
98.18587367	98.91961764	100.296765	100.3357022	99.55783229	99.68913431	98.38892272	102.0740218	98.60009032	103.0735111	99.44884169
98.64381824	99.3567914	95.5755264	99.8761095	100.0870872	100.5962608	100.6057323	102.9458177	98.95262878	102.0799943	97.6016263
101.170553	101.2931642	100.7137651	101.6381761	100.0218121	102.4737613	99.20118834	105.2568455	100.7188864	104.2826567	100.9210872
100.0333552	100.9244488	103.9742976	100.7713059	101.8163407	100.240299	101.0145842	103.6324516	101.7284017	102.7864124	100.1572219
101.9551983	100.6424623	99.82634112	102.0773515	100.8726244	101.7499575	99.99416695	103.8496808	100.8117633	104.3998977	101.9948581
82.67189653	80.27793493	74.71643879	80.25691302	75.569908	71.100297789	70.66216124	85.40804112	83.1836671	77.78035446	74.7422622
76.18671446	72.901739	97.9856537	74.8802142	69.41603198	74.7623426	64.6117893	81.19890174	77.76742275	74.71828883	69.7598226
84.81090574	88.0049089	81.89788753	85.26052811	90.74970069	89.31622907	93.18154443	99.70490403	97.0537591	98.0293162	96.51678134
78.41157337	88.05653304	78.8864175	80.9221482	89.37963761	84.94449079	91.07183592	94.87496698	94.20977704	96.93588943	94.20977704
81.82691905	90.86507054	79.78616927	84.2210909	91.30121738	86.40439938	92.61615964	97.14465484	97.04110596	93.62817636	94.7375095
89.51988927	86.61253815	90.75146499	86.90059566	87.20309445	87.30807446	91.89919197	95.54281113	97.44259955	91.46597488	93.20590745
89.63017344	88.37990956	84.94273399	86.675417	83.810332029	86.868582	83.57243849	96.65097878	97.3753885	90.58890055	96.4644731
89.80084309	93.43278783	85.0127301	89.89043677	89.73773581	87.58722034	89.73773581	87.58722034	89.9373779	90.99178335	86.25279011
87.87665286	96.36253613	85.47456489	85.03213425	90.66422003	85.61680244	91.86290321	96.3525083	98.10316006	89.86876202	90.0695184
88.37316953	96.23272055	87.54155883	86.6723663	83.70389361	87.5694151	93.37077111	97.5247295	96.93459723	94.20161844	95.47987798
89.24011965	88.17840177	93.10701485	90.2245102	89.54360154	90.62036659	90.7855245	97.05782573	91.99641828	92.39320102	89.68254824
77.294285	83.15385057	78.07716106	78.07716106	83.558451	81.30611115	85.22935236	90.41946926	89.82769863	88.07619752	90.27117257
79.95253436	89.33283204	76.59055415	82.34251014	89.91976288	83.74133253	91.20580446	93.35109077	95.75480762	90.52752788	91.76005888
85.76689892	90.32183078	82.93955024	88.2294549	82.93955024	82.93955024	82.93955024	97.69821018	94.21355052	94.01744603	91.23950892
88.75699903	93.16565332	92.7613898	89.22701255	94.81787644	90.85339977	88.70048761	97.69538472	99.42725417	93.41232892	95.6700454
88.22176459	88.82671469	90.34776181	90.34776181	90.34776181	90.34776181	91.04380324	96.6357299	91.68062493	93.07110332	88.68010363
79.68974275	84.31590444	79.17814207	81.82667816	86.44528889	84.66572756	85.64995884	92.92073099	90.71771887	88.14433208	93.87662445
81.33690041	89.08096354	80.17606581	80.17606581	84.69848041	84.95078064	89.86831456	93.92344369	94.67879492	89.98292531	88.99299231
86.12538885	91.42730521	89.4948151	87.64236527	82.80069655	89.23068969	82.5490757	98.06871331	93.9326513	95.2786465	93.04889961
87.17426891	90.85677958	90.76909754	88.83539096	83.65675881	89.59648748	92.6731537	97.41964162	93.89201213	94.85054911	89.02152852
87.94550504	95.3962765	87.3368322	89.35260249	96.28925894	89.18011222	95.6379071	96.57153825	97.5742849	94.4032722	93.36888754
90.16987941	94.72617924	90.83983097	90.92963632	90.92963632	91.25302791	94.13766467	99.72864747	97.95988088	94.54302582	93.50549699
92.25816181	96.85183092	95.3935328	94.5260344	98.18628925	94.13821712	98.09142778	102.0647019	100.2184208	98.9005156	99.4462641
94.99367888	99.36570812	96.10386878	95.5013428	99.37428094	96.28000771	99.28018071	102.7501837	99.49014721	96.81074339	99.56964752
94.89421632	88.84043895	94.97999289	95.87755133	99.91996278	96.05325756	98.92472805	100.7696985	100.7899451	96.511991	98.45045136
96.31269061	100.1401899	96.49848109	96.59181194	99.99620346	98.05317316	101.382102	100.942794	102.228084	97.74822384	98.8228076
95.96141213	99.6111773	97.95257529	96.21094554	100.2280364	95.53892692	99.06937993	100.8484352	98.9543392	95.80581639	97.33112779
97.28752423	96.62105015	96.22773683	97.37495956	99.95958356	97.28776822	93.356876	101.4617691	99.3796052	98.29878831	97.1858061
97.36774682	99.4443743	94.86920988	97.56273693	101.5716368	96.7325034	101.7959463	101.6205626	99.066503	96.42026883	95.48292793
97.7045947	99.48761915	95.10804921	98.6220669	101.2647428	96.82405446	98.4288843	102.0619433	98.03177446	98.55560995	95.82525204
97.95601802	103.466992	91.16977844	93.37433775	97.83688701	91.32997106	96.11865353	99.0222001	101.2439756	94.95649044	96.06128306
97.42001175	99.35702138	91.28492304	94.1814507	97.70695159	95.70695159	94.6065768	103.2228917	99.71307895	98.14686782	96.69931946
96.21541447	101.627352	88.2456474	93.29204858	97.16363182	93.2397624	96.15266652	103.8720101	101.1627981	98.0803247	99.66883227
93.07630184	96.69207296	92.79126913	94.94333263	90.28978971	94.78682048	92.2377922	101.8573901	98.20863054	95.90531075	97.51191055
94.73176035	100.1650997	89.8605458	91.78848035	95.14869272	91.33773023	94.81219821	99.21532553	100.2750978	97.08791052	98.97919293
94.45730026	102.1119821	89.59518001	90.8284087	96.358625	100.04124723	96.5966022	102.4324938	95.86557381	96.87039069	96.80730939
95.59581896	98.81822713	92.71399216	92.71399216	93.7523211	97.9790327	93.7325673	101.9483221	98.15868588	97.74450871	93.2288306
94.30969391	100.2540565	87.78841777	91.34398086	95.20328227	91.42034197	95.46565305	101.2396384	101.4243657	96.84893508	96.4762326
89.9533843	97.0902779	92.9378841	93.51031533	100.4963815	93.44170676	99.80737548	99.69372485	101.7903935	97.44413937	104.1043437
83.84317574	98.15446489	93.10468899	95.9502876	103.806896	96.63642712	100.4079591	102.212782	100.491811	101.3595105	100.113595105
95.34746365	101.838952	93.4285335	96.94043609	103.9999161	97.52123077	105.592804	103.7707345	103.9237752	97.55738893	102.819639
94.83775716	97.89910831	92.90102136	96.75286981	99.44033752	96.57678497	100.4351512	101.2765976	99.27587072	97.91371414	97.36686062
96.6783878	100.1486014	91.56897777	98.08467173	103.3489221	98.2648881	103.2887886	103.8063397	104.0374938	99.08741019	103.9111749
96.30091498	101.1946998	92.73932321	97.69337772	103.81473	97.94569092	104.8236736	103.788287	104.5200454	99.14597409	105.10931441
98.47946098	101.1258782	90.48988588	94.25648413	94.24429933	93.23737824	94.97714655	99.45812953	98.94397272	97.3703788	94.29739807
95.31366665	99.6782866	86.19513512	92.72530638	96.0403001	92.08631831	101.139634	100.2825956	101.8492623	94.4890159	92.21057837
92.6262097	101.0816531	88.3270366	90.61899047	97.34456014	89.89739399	97.01784043	100.2825956	101.8492623	94.71074273	99.9364647
93.99607736	100.9469918	86.0577863	96.0727863	97.22969491	97.22969491	96.95072945	99.51122813	102.1544687	93.77346922	94.42159541
93.78296992	103.9268	85.16487669	91.09325919	98.9038337	89.75176286	99.05045862	98.8130596	105.1420337	93.33832288	98.10402491
95.1141953	103.0865855	91.73385708	92.56943393							

99.95615711	101.2511956	98.56063083	100.3825281	104.4943359	99.16628844	102.7954637	104.7354005	102.4866103	99.11368159	102.43188
100.0497868	103.3381823	98.69969558	100.5052078	105.8324189	101.3946711	104.7443559	105.702606	104.817082	99.81340234	104.074992
99.28318719	101.0064111	95.53937685	99.89990153	100.8800664	97.62585331	100.2636494	103.3314876	101.1743765	99.59990353	102.3594384
96.58350924	96.17987801	94.2878261	97.79936296	99.30897235	94.63102086	96.52265441	101.7337468	97.74326849	97.56676024	90.90029054
98.37486499	99.55920617	89.66949152	99.82273805	100.9535134	98.97602797	99.51167137	104.6505001	100.2415767	101.8949553	98.1359924
97.1798317	98.09832795	95.38472615	98.37648927	98.35114947	97.66619872	99.97605052	102.8740248	98.76102147	100.0290016	98.58891673
98.5394725	98.59424826	95.63341457	98.90152772	100.0267889	98.45906918	99.03638103	104.0350231	100.7503319	100.2152685	98.94947056
96.83446782	100.6266468	96.26270058	98.18416373	101.1011765	95.71458749	100.8157609	102.0650717	101.8358561	97.62125495	99.46387909
97.40207023	97.99501887	91.70812175	97.60207129	99.01252798	97.42328936	98.49807252	102.7029169	98.08381911	98.59667082	93.20882349
97.334253	99.53945777	93.26929614	98.02605603	100.6702926	97.0730243	99.5351643	102.3595492	101.2031424	97.534984	98.98380857
96.65604729	100.5463722	92.07786199	96.7882893	100.6322484	95.61436936	100.6028979	100.6755349	101.5728228	96.48658847	98.85307561
98.34737421	99.07196706	94.67160503	98.06424946	100.4692608	97.6429859	100.5179902	102.6881913	101.2540919	98.30405876	97.75295339
98.73972325	101.7890357	93.43730118	98.46870011	102.9996244	97.97661089	103.2655679	102.3340135	102.0902355	98.56694787	102.9929566
98.95824633	100.771873	96.76090606	98.35068362	101.0143124	97.48049873	99.82525685	103.685293	99.5055034	97.48312518	93.68291198
98.60600944	96.29739963	93.29266193	97.62680238	96.94158185	96.92955766	97.1884858	102.2134337	96.84545012	96.33686439	92.51170536

**Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data**

Total Organic Carbon- Soil (5310 B)

Batch 0050463

Sequence 0E14055 (A0D0763-01,02,03,04,05,06,08,09,10,11,12)



Apex Laboratories
PREPARATION BENCH SHEET

MAY 18 2020

BATCH #: 0050463 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	2-8	>11
	0050463-BLK1	QC	05/12/20 17:29	0.2	0.2									
	0050463-BS1	QC	05/12/20 17:29	0.2	0.2	A20E110		1						
	A0D0758-17	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-060SC-B-04 -06-200428				
	A0D0758-18	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-060SC-B-06 -08-200428				
	A0D0758-19	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-060SC-B-08 -10.9-200428				
	0050463-DUP1	QC	05/12/20 17:29	0.2	0.2		A0D0758-19							
	A0D0763-01	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-03 -04-200428				
	A0D0763-02	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-04 -05-200428				
	A0D0763-03	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-05 -06-200428				
	A0D0763-04	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-06 -07-200428				
	A0D0763-05	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-07 -08-200428				
	A0D0763-06	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-08 -09-200428				
	A0D0763-07	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-A-09 -9.9-200428				
	0050463-DUP2	QC	05/12/20 17:29	0.2	0.2		A0D0763-07							
	0050463-DUP3	QC	05/12/20 17:29	0.2	0.2		A0D0763-07							
	A0D0763-08	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-B-00 -02-200428				
	A0D0763-09	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-B-02 -04-200428				
	A0D0763-10	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-B-04 -06-200428				
	A0D0763-11	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-B-06 -08-200428				
	A0D0763-12	B Total Organic Carbon - Soil (5310 B)	05/12/20 17:29	0.2	0.2					PDI-061SC-B-08 -9.9-200428				

MAS 5/15/20
Prepared By: _____ Date

CUM 5/15/2020
Reviewed By: _____ Date

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0050463 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH	
												<2	>11

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>	<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>	<u>Std ID</u>	<u>Exp. Date</u>	<u>Description</u>
A13L220	11/30/23	Wet Chem Balance 1	A20E110	11/08/20	TOC 10k ppm secondary ✓			
A19F020	06/03/29	TOC Soil Drying Oven @70oC						
A19J023	11/30/23	Wet Chem Balance 4						
A19J145	05/30/22	TOC Soil Blank Matrix ✓						
A19L107	06/06/20	10% Phosphoric Acid						

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Date/Time:	5-13-20/8:09	5-13-20/11:18	5-14-20/14:29			
T(°C) IN / OUT:	70.8, 69.5	70.7, 69.2	70.8, 68.4	1		
Sample ID	Wt 1(g)	Wt 2(g)	Wt 3(g)	Wt 4(g)	Effervesces? (yes/no)	Comments
A0D0758-17	5.4315	5.4343	-		NO	
A0D0758-18	5.6352	5.6394	-		NO	
A0D0758-19	4.6201	4.6219	-		NO	
0050463-DUP1	5.9236	5.9265	-		NO	A0D0758-19
A0D0763-01	5.0515	5.0530	-		NO	
A0D0763-02	4.8198	4.8238	-		NO	
A0D0763-03	5.5885	5.5913	-		NO	
A0D0763-04	7.1170	7.1192	-		NO	
A0D0763-05	7.1636	7.1661	-		NO	
A0D0763-06	6.6282	6.6345	6.6345	-	NO	
A0D0763-07	5.6163	5.6188	-		NO	
0050463-DUP2	6.7059	6.7078	-		NO	A0D0763-07
A0D0763-08	6.1712	6.1741	-		NO	
A0D0763-09	6.2624	6.2654	-		NO	
A0D0763-10	6.5641	6.5658	-		NO	
A0D0763-11	5.8311	5.8324	-		NO	
A0D0763-12	6.8576	6.8598	-		NO	

*First in oven @ 1832 5/12/20

-MAS 5/12/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:

0E14055

Instrument:

TOC6

Date:

05/14/20 15:44

Calibration:

A0A0805 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E14055-CCV1	Soil	QC	QC				A20E127 ✓
2	0E14055-CCB1	Soil	QC	QC				
3	0050438-BLK1	Soil	QC	QC		0050438		
4	0050438-BS1	Soil	QC	QC		0050438		
5	A0D0659-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/20/20	0050438		
6	0050438-DUP1	Soil	QC	QC		0050438		
7	0050438-DUP2	Soil	QC	QC		0050438		
8	A0D0741-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
9	A0D0741-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
10	A0D0741-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
11	A0D0741-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
12	A0D0741-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
13	0E14055-CCV2	Soil	QC	QC				A20E127 ✓
14	0E14055-CCB2	Soil	QC	QC				
15	A0D0741-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
16	A0D0741-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
17	A0D0741-08	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/21/20	0050438		
18	0050438-DUP3	Soil	QC	QC		0050438		
19	A0D0758-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
20	A0D0758-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
21	A0D0758-08	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
22	A0D0758-09	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
23	A0D0758-10	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
24	A0D0758-11	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
25	0E14055-CCV3	Soil	QC	QC				A20E127 ✓
26	0E14055-CCB3	Soil	QC	QC				
27	A0D0758-12	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
28	A0D0758-13	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
29	A0D0758-14	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
30	A0D0758-15	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
31	A0D0758-16	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
32	0050463-BLK1	Soil	QC	QC		0050463		
33	0050463-BS1	Soil	QC	QC		0050463		
34	A0D0758-17	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
35	A0D0758-18	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
36	A0D0758-19	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
37	0E14055-CCV4	Soil	QC	QC				A20E127 ✓
38	0E14055-CCB4	Soil	QC	QC				
39	0050463-DUP1	Soil	QC	QC		0050463		
40	A0D0763-01	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
41	A0D0763-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
42	A0D0763-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
43	A0D0763-04	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
44	A0D0763-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
45	A0D0763-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
46	A0D0763-07	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
47	0050463-DUP2	Soil	QC	QC		0050463		
48	0050463-DUP3	Soil	QC	QC		0050463		
49	0E14055-CCV5	Soil	QC	QC				A20E127 ✓
50	0E14055-CCB5	Soil	QC	QC				
51	A0D0763-08	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		

Sequence:

0E14055

Instrument:

TOC6

Date:

05/14/20 15:44

Calibration:

A0A0805

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	A0D0763-09	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
53	A0D0763-10	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
54	A0D0763-11	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
55	A0D0763-12	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050463		
56	0E14055-CCV6	Soil	QC	QC				A20E127 ✓
57	0E14055-CCB6	Soil	QC	QC				

Data Entered By:

MAS 5/15/20

Comments:

Data Reviewed By:

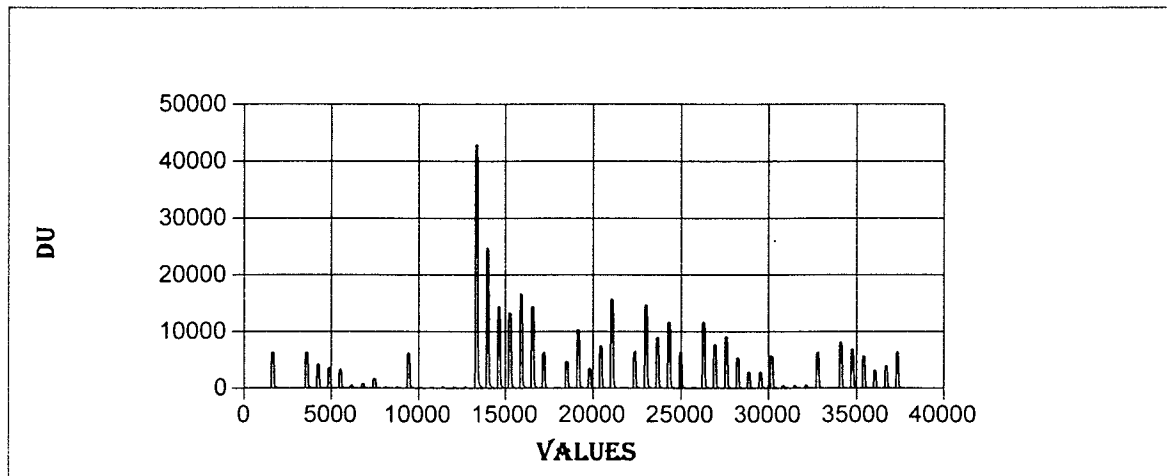
CWR 5/15/2020

Method: TCDirect Run Start Time: 5/14/2020 5:18:16 P
 Method Type: TC_DIRECT Run End Time: 5/15/2020 4:03:03 A
 Table: 0E14055 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020200514A2

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A99	Prime	200	39.007	0.008	3205.17	5/14/2020 5:18:40 PM
A2	Blank	200	8.545	0.002	0	5/14/2020 5:29:41 PM
A1	0E14055-CCV1	200	9943.39 ✓	1.989	1045337.375	5/14/2020 5:40:35 PM
A2	0E14055-CCB1	200	44.162	0.009	3747.55	5/14/2020 5:51:22 PM
A3	0050438-BLK1	214.5	58.902 ✓	0.013	5747.815	5/14/2020 6:02:09 PM
A4	0050438-BS1	200	9991.79	1.998	1050429.935	5/14/2020 6:12:56 PM
A5	A0D0659-07	200.1	6562.596	1.313	689957.905	5/14/2020 6:23:43 PM
A6	0050438-DUP1	201.6	5512.64	1.111	583777.3	5/14/2020 6:34:29 PM
A7	0050438-DUP2	201.6	5134.729	1.035	543695.64	5/14/2020 6:45:16 PM
A8	A0D0741-01	202.4	747.576 ✓	0.151	78704.19	5/14/2020 6:56:03 PM
A9	A0D0741-02	201.5	1208.059	0.243	127165.39	5/14/2020 7:06:50 PM
A10	A0D0741-03	203.8	2598.329	0.53	277689.71	5/14/2020 7:17:37 PM
A11	A0D0741-04	204.8	307.771 ✓	0.063	32261.59	5/14/2020 7:28:23 PM
A12	A0D0741-05	203.6	303.118 ✓	0.062	31568.85	5/14/2020 7:39:10 PM
A13	0E14055-CCV2	200	9791.569 ✓	1.958	1029362.83	5/14/2020 7:49:57 PM
A2	0E14055-CCB2	200	47.096 ✓	0.009	4056.3	5/14/2020 8:00:43 PM
A14	A0D0741-06	204.6	229.388 ✓	0.047	23792.105	5/14/2020 8:11:37 PM
A15	A0D0741-07	203.9	300.097 ✓	0.061	31292.59	5/14/2020 8:22:31 PM
A16	A0D0741-08	204	347.988 ✓	0.071	36448.23	5/14/2020 8:33:17 PM
A17	0050438-DUP3	201.6	345.791 ✓	0.07	35775.88	5/14/2020 8:44:04 PM
A18	A0D0758-06	101.8	130651.447 ✓	13.3	6996350.79	5/14/2020 8:54:51 PM
A19	A0D0758-07	101.9	70849.367	7.22	3797280.9	5/14/2020 9:05:37 PM
A20	A0D0758-08	103	43469.656	4.477	2354631.81	5/14/2020 9:16:24 PM
A21	A0D0758-09	202.6	19842.66	4.02	2114073.3	5/14/2020 9:27:10 PM
A22	A0D0758-10	204.3	25312.685	5.171	2719746.4	5/14/2020 9:37:57 PM
A23	A0D0758-11	203.6	21956.434 ✓	4.47	2350925.71	5/14/2020 9:48:43 PM

*RR-2
 5/15/2020*

A24	0E14055-CCV3	200	9974.237 ✓	1.995	1048583.07	5/14/2020 9:59:30 PM
A2	0E14055-CCB3	200	73.626 ✓	0.015	6847.79	5/14/2020 10:10:17 PM
A25	A0D0758-12	201.9	7266.067 ✓	1.467	770894.325	5/14/2020 10:21:10 PM
A26	A0D0758-13	200.4	16229.141 ✓	3.252	1710134.92	5/14/2020 10:32:04 PM
A27	A0D0758-14	201	5415.015 ✓	1.088	571713.8	5/14/2020 10:42:50 PM
A28	A0D0758-15	30.6	76872.189	2.352	1236631.81	5/14/2020 10:53:37 PM
A29	A0D0758-16	101.2	48411.401 ✓	4.899	2576570.45	5/14/2020 11:04:23 PM
A30	0050463-BLK1	210.4	123.223 <i>B-02 5/15/2020</i>	0.026	12740.515	5/14/2020 11:15:10 PM
A31	0050463-BS1	200	10090.563 ✓	2.018	1060822.8	5/14/2020 11:25:58 PM
A32	A0D0758-17	202.2	22504.812	4.55	2393088.68	5/14/2020 11:36:46 PM
A33	A0D0758-18	200.6	13890.828	2.787	1465068.77	5/14/2020 11:47:35 PM
A34	A0D0758-19	200.5	18162.12	3.642	1914883.8	5/14/2020 11:58:26 PM
A35	0E14055-CCV4	200	10002.127 ✓	2	1051517.65	5/15/2020 12:09:15 AM
A2	0E14055-CCB4	200	64.554	0.013	5893.255	5/15/2020 12:20:05 AM
A36	0050463-DUP1	202.2	18090.696	3.658	1923529.52	5/15/2020 12:31:01 AM
A37	A0D0763-01	201.5	12018.079	2.422	1273118.62	5/15/2020 12:41:58 AM
A38	A0D0763-02	200.4	14174.36 ✓	2.841	1493499.89	5/15/2020 12:52:46 AM
A39	A0D0763-03	201.7	8346.345	1.683	884762.095	5/15/2020 1:03:36 AM
A40	A0D0763-04	201.9	4446.28	0.898	471379.78	5/15/2020 1:14:26 AM
A41	A0D0763-05	202.3	4454.964	0.901	473239.61	5/15/2020 1:25:15 AM
A42	A0D0763-06	202.3	8846.158	1.79	940591.44	5/15/2020 1:36:13 AM
A43	A0D0763-07	204.2	716.269	0.146	76048.84	5/15/2020 1:47:08 AM
A44	0050463-DUP2	202.5	714.225 ✓	0.145	75190.5	5/15/2020 1:57:58 AM
A45	0050463-DUP3	202.7	792.439 ✓	0.161	83606.39	5/15/2020 2:08:48 AM
A46	0E14055-CCV5	200	9932.48 ✓	1.986	1044189.37	5/15/2020 2:19:38 AM
A2	0E14055-CCB5	200	46.89	0.009	4034.63	5/15/2020 2:30:33 AM
A47	A0D0763-08	201	12647.691 ✓	2.542	1336535.9	5/15/2020 2:41:22 AM
A48	A0D0763-09	203.5	10609.649	2.159	1134976.57	5/15/2020 2:52:18 AM
A49	A0D0763-10	204.4	8729.391	1.784	937808.2	5/15/2020 3:03:09 AM
A50	A0D0763-11	202.1	4874.163	0.985	517341.84	5/15/2020 3:13:59 AM
A51	A0D0763-12	203	6097.065	1.238	650252.705	5/15/2020 3:24:50 AM
A52	0E14055-CCV6	200	9960.498 ✓	1.992	1047137.425	5/15/2020 3:35:39 AM



✓ OK WMP 5/15/2020

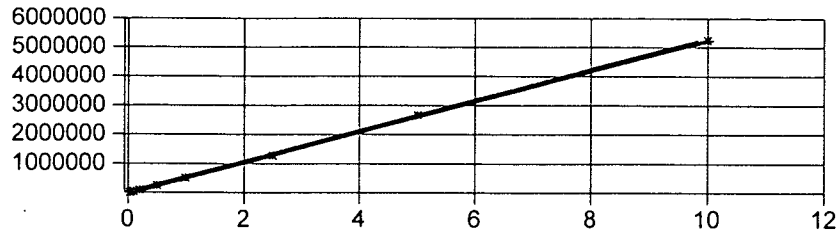
SNACCESS

RUN NAME : SN10020200108A1 METHOD NAME : TCDIRECT CALIBRATION TYPE : ISO

FIRST ORDER GROUP : 1

A = -899.10605459823300 B = 526096.46424181900000 R = 0.99994117364848 R-

SQUARED = 0.99988235075750



**Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data**

Total Organic Carbon- Soil (5310 B)

Batch 0050604

Sequence 0E15040 (A0D0763-07RE1)



Apex Laboratories
PREPARATION BENCH SHEET

MAY 18 2020

BATCH #: 0050604 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number	Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
	0050604-BLK1	QC	05/15/20 14:16	0.2	0.2									
	0050604-BS1	QC	05/15/20 14:16	0.2	0.2	A20E110		1						
	A0D0763-07RE1	B Total Organic Carbon - Soil (5310 B)	05/15/20 14:16	0.2	0.2					PDI-061SC-A-09 -9.9-200428	Re-extract added 5/15/2020 by DAS			
	0050604-DUP1	QC	05/15/20 14:16	0.2	0.2		A0D0763-07RE1							
	0050604-DUP2	QC	05/15/20 14:16	0.2	0.2		A0D0763-07RE1							

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L220	11/30/23	Wet Chem Balance 1	A20E110	11/08/20	TOC 10k ppm secondary ✓			
A19F020	06/03/29	TOC Soil Drying Oven @70oC						
A19J023	11/30/23	Wet Chem Balance 4 ✓						
A19J145	05/30/22	TOC Soil Blank Matrix						
A19L107	06/06/20	10% Phosphoric Acid						

MAS
Prepared By: _____
Date: 5/15/20

CMP
Reviewed By: _____
Date: 5/18/2020



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0E15040

Instrument: TOC6

Date: 05/15/20 14:17

Calibration: A0A0805 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0E15040-CCV1	Soil	QC	QC				A20E127 ✓
2	0E15040-CCB1	Soil	QC	QC				
3	0050604-BLK1	Soil	QC	QC		0050604		
4	0050604-BS1	Soil	QC	QC		0050604		
5	A0D0763-07RE1	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050604		
6	0050604-DUP1	Soil	QC	QC		0050604		
7	0050604-DUP2	Soil	QC	QC		0050604		
8	A0D0758-06RE2	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	05/12/20	0050438		
9	0E15040-CCV2	Soil	QC	QC				A20E127 ✓
10	0E15040-CCB2	Soil	QC	QC				

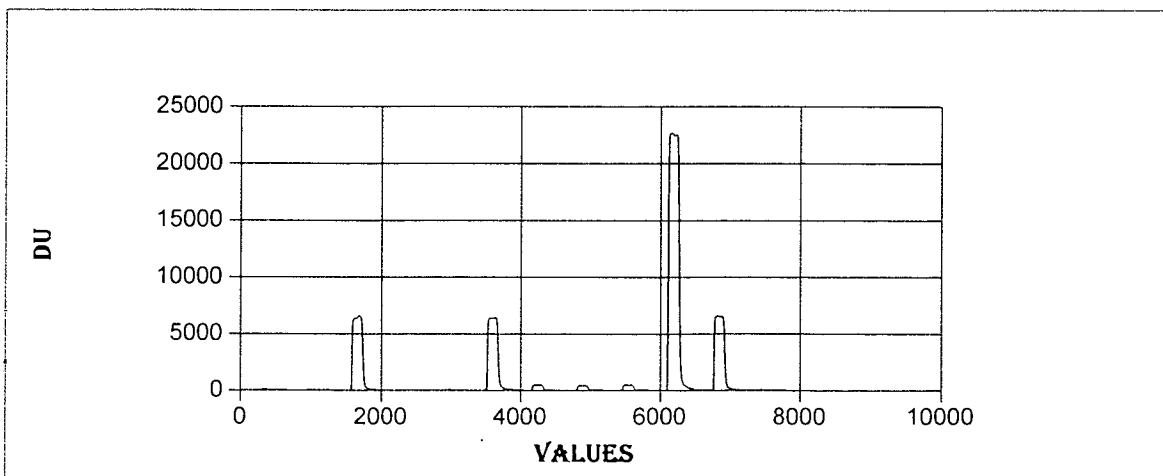
Data Entered By: MAS 5/15/20

Comments:

Data Reviewed By: CMB 5/18/2020

Method:	TCDirect	Run Start Time:	5/15/2020 2:58:38 P
Method Type:	TC_DIRECT	Run End Time:	5/15/2020 5:47:03 P
Table:	0E15040	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020200515A2

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A99	Prime	200	78.923	0.016	7405.13	5/15/2020 2:59:06 PM
A2	Blank	200	50.39	0.01	4402.88	5/15/2020 3:10:07 PM
A1	0E15040-CCV1	200	9901.432 ✓	1.98	1040922.6	5/15/2020 3:21:01 PM
A2	0E15040-CCB1	200	50.202 ✓	0.01	4383.165	5/15/2020 3:31:48 PM
A3	0050604-BLK1	212.8	56.176	0.012	5389.935	5/15/2020 3:42:35 PM
A4	0050604-BS1	200	9992.453 ✓	1.998	1050499.72	5/15/2020 3:53:22 PM
A5	A0D0763-07RE1	202.3	751.467 ✓	0.152	79079.01	5/15/2020 4:04:09 PM
A6	0050604-DUP1	200	678.365 ✓	0.136	70477.945	5/15/2020 4:14:56 PM
A7	0050604-DUP2	201	737.089 ✓	0.148	77044.71	5/15/2020 4:25:43 PM
A8	A0D0758-06RE2	52.8	132020.236 ✓	6.971	3666344.92	5/15/2020 4:36:30 PM
A9	0E15040-CCV2	200	9727.72 ✓	1.946	1022644.76	5/15/2020 4:47:17 PM
A2	0E15040-CCB2	200	71.628 ✓	0.014	6637.59	5/15/2020 4:58:04 PM

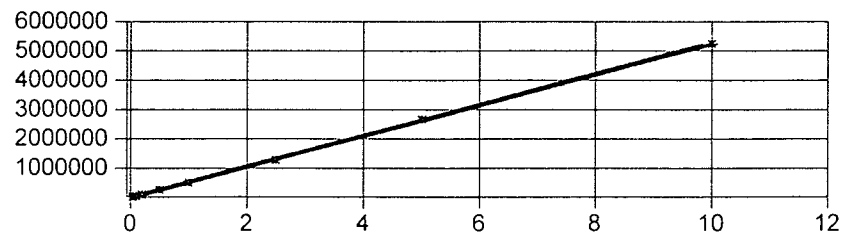


SNACCESS ✓

RUN NAME : SN10020200108A1 METHOD NAME : TCDIRECT CALIBRATION TYPE : ISO

FIRST ORDER GROUP : 1

A = -899.10605459823300 B = 526096.46424181900000 R = 0.99994117364848 R-SQUARED = 0.99988235075750



**Conventional Chemistry Parameters
Calibration Data**

Sequence 0A08052 (Cal ID A0A0805) TOC6



ELEMENT SEQUENCE LOG

Apex Laboratories

JAN 13 2020

Sequence: 0A08052

Instrument: TOC6

Date: 01/08/20 16:29

Calibration: A0A0805

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A08052-CAL1	Sediment	QC	QC				
2	0A08052-CAL2	Sediment	QC	QC				A20A053
3	0A08052-CAL3	Sediment	QC	QC				A20A054
4	0A08052-CAL4	Sediment	QC	QC				A20A056
5	0A08052-CAL5	Sediment	QC	QC				A20A057
6	0A08052-CAL6	Sediment	QC	QC				A20A058
7	0A08052-CAL7	Sediment	QC	QC				A20A059
8	0A08052-CAL8	Sediment	QC	QC				A20A060
9	0A08052-CAL9	Sediment	QC	QC				A20A061
10	0A08052-ICV1	Sediment	QC	QC				A19K246
11	0A08052-ICB1	Sediment	QC	QC				

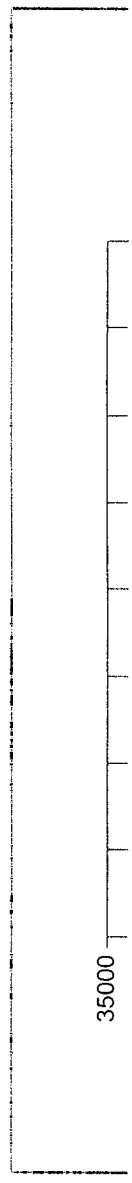
Data Entered By: *CLM* 1/9/2020

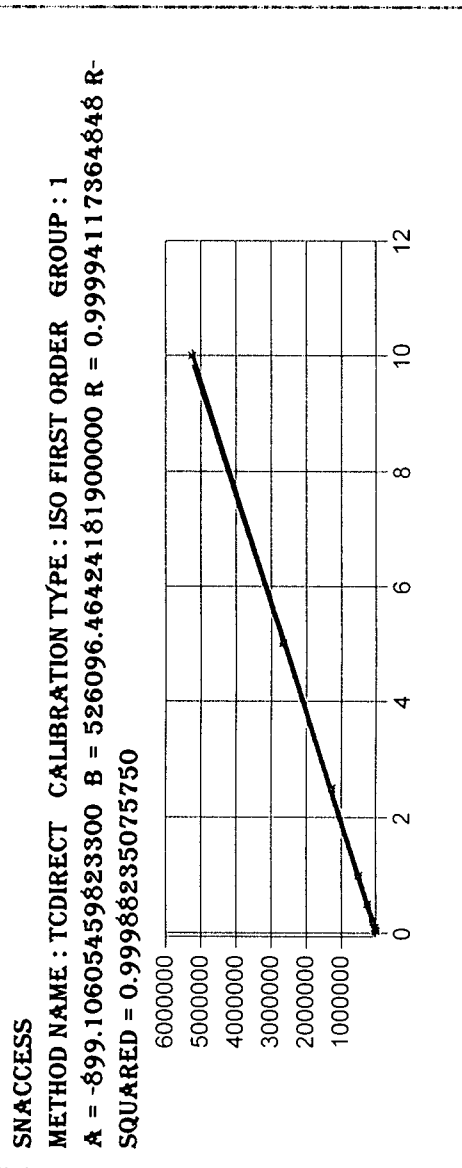
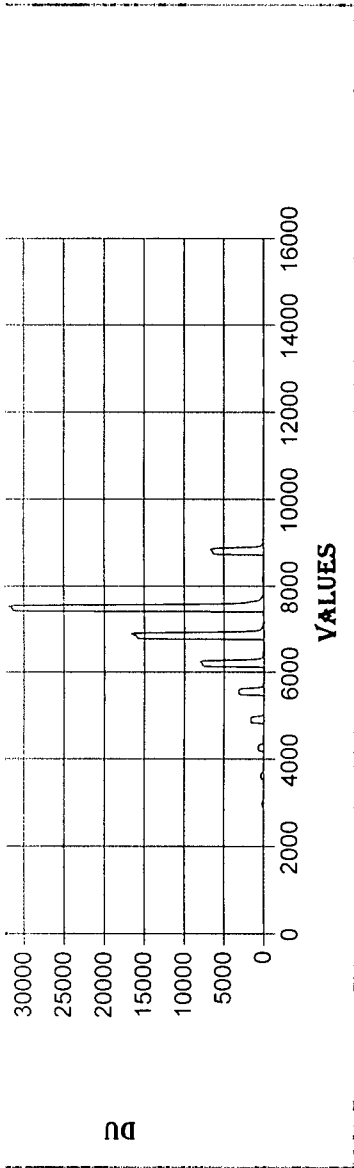
Comments: *SKalar ID SAN10020200108A1*
aw
1/9/2020

Data Reviewed By: *DMF* 1/10/20

Method: TCDirect
 Method Type: TC_DIRECT
 Table: 0A08052
 Analyst: Administrator
 Run Start Time: 1/8/2020 6:15:14 PM
 Run End Time: 1/8/2020 10:40:22 P
 Device ID: TOC6
 Run Name: SN10020200108A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	32.359	0.006	2505.73	1/8/2020 6:15:28 PM
A1	blank	200	8.545	0.002	0	1/8/2020 6:26:29 PM
A11	blank	200	8.545	0.002	0	1/8/2020 6:37:23 PM
A1	0A08052-CAL1	200	8.545	0.002	0	1/8/2020 6:48:17 PM
A2	0A08052-CAL2	40	1132.086	0.045/0.0002 = 225	22924.35	1/8/2020 6:59:11 PM
A3	0A08052-CAL3	100	1063.227	0.106	55036.88	1/8/2020 7:09:58 PM
A4	0A08052-CAL4	200	1039.388	0.208	108464.545	1/8/2020 7:20:45 PM
A5	0A08052-CAL5	50	10075.077	0.504	264124.015	1/8/2020 7:31:32 PM
A6	0A08052-CAL6	100	9827.481	0.983	516121.2	1/8/2020 7:42:18 PM
A7	0A08052-CAL7	250	9761.05	2.44	1282914.36	1/8/2020 7:53:05 PM
A8	0A08052-CAL8	500	10150.088	5.075	2669063.5	1/8/2020 8:03:52 PM
A9	0A08052-CAL9	1000	9978.708	9.979	5248863.92	1/8/2020 8:14:39 PM
A97	0A08052-IBL1	200	175.463	0.035	17562.96	1/8/2020 8:25:25 PM
A10	0A08052-ICV1	200	10013.587✓	2.003✓	1052723.4	1/8/2020 8:36:26 PM
A11	0A08052-ICB1	200	64.139✓	0.013✓	5849.56	1/8/2020 8:47:20 PM
A2	clean2	200	8.545	0.002	0	1/8/2020 8:58:06 PM
A3	clean3	200	8.545	0.002	0	1/8/2020 9:09:00 PM
A4	clean4	200	8.545	0.002	0	1/8/2020 9:19:46 PM
A5	clean5	200	8.545	0.002	0	1/8/2020 9:30:33 PM
A6	clean6	200	8.545	0.002	0	1/8/2020 9:41:20 PM
A7	clean7	200	8.545	0.002	0	1/8/2020 9:52:06 PM
A8	clean8	200	8.545	0.002	0	1/8/2020 10:02:53 PM
A9	clean9	200	49.259	0.01	4283.87	1/8/2020 10:13:40 PM
A10	clean10	200	8.545	0.002	0	1/8/2020 10:24:26 PM





**Total Solids by SM2540G
Benchsheet Data**

Batch 0050462 (A0D0763-01,02,03,04,05,06,07,08,09,10,11,12)



Apex Laboratories
PREPARATION BENCH SHEET

MAY 18 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0050462 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0D0758-17	Dry Weight		05/12/20 17:21		1.283	34.3417	21.2635	60.4	Use Results from TS.. Make NR once completed.
A0D0758-17	Solids, Total (SM 254)		05/12/20 17:21		1.283	34.3417	21.2635	60.4	Use Results for Dry Weight (Not for Waters)
A0D0758-18	Dry Weight		05/12/20 17:21		1.2882	31.876	20.9358	64.2	Use Results from TS.. Make NR once completed.
A0D0758-18	Solids, Total (SM 254)		05/12/20 17:21		1.2882	31.876	20.9358	64.2	Use Results for Dry Weight (Not for Waters)
A0D0758-19	Dry Weight		05/12/20 17:21		1.2857	31.571	20.1382	62.2	Use Results from TS.. Make NR once completed.
A0D0758-19	Solids, Total (SM 254)		05/12/20 17:21		1.2857	31.571	20.1382	62.2	Use Results for Dry Weight (Not for Waters)
A0D0763-01	Dry Weight		05/12/20 17:21		1.2858	22.4631	15.0789	65.1	Use Results from TS.. Make NR once completed.
A0D0763-01	Solids, Total (SM 254)		05/12/20 17:21		1.2858	22.4631	15.0789	65.1	Use Results for Dry Weight (Not for Waters)
A0D0763-02	Dry Weight		05/12/20 17:21		1.2891	33.9371	22.9107	66.2	Use Results from TS.. Make NR once completed.
A0D0763-02	Solids, Total (SM 254)		05/12/20 17:21		1.2891	33.9371	22.9107	66.2	Use Results for Dry Weight (Not for Waters)
A0D0763-03	Dry Weight		05/12/20 17:21		1.2863	31.9449	22.4229	68.9	Use Results from TS.. Make NR once completed.
A0D0763-03	Solids, Total (SM 254)		05/12/20 17:21		1.2863	31.9449	22.4229	68.9	Use Results for Dry Weight (Not for Waters)
A0D0763-04	Dry Weight		05/12/20 17:21		1.2828	37.7916	27.6008	72.1	Use Results from TS.. Make NR once completed.
A0D0763-04	Solids, Total (SM 254)		05/12/20 17:21		1.2828	37.7916	27.6008	72.1	Use Results for Dry Weight (Not for Waters)
A0D0763-05	Dry Weight		05/12/20 17:21		1.2816	32.629	24.0929	72.8	Use Results from TS.. Make NR once completed.
A0D0763-05	Solids, Total (SM 254)		05/12/20 17:21		1.2816	32.629	24.0929	72.8	Use Results for Dry Weight (Not for Waters)
A0D0763-06	Dry Weight		05/12/20 17:21		1.28	31.2508	21.7056	68.2	Use Results from TS.. Make NR once completed.
A0D0763-06	Solids, Total (SM 254)		05/12/20 17:21		1.28	31.2508	21.7056	68.2	Use Results for Dry Weight (Not for Waters)
A0D0763-07	Dry Weight		05/12/20 17:21		1.2713	28.7085	21.2254	72.7	Use Results from TS.. Make NR once completed.
A0D0763-07	Solids, Total (SM 254)		05/12/20 17:21		1.2713	28.7085	21.2254	72.7	Use Results for Dry Weight (Not for Waters)
0050462-DUP1	QC	A0D0763-07	05/12/20 17:21		1.2783	26.66	19.7715	72.9	

MAS
Prepared By: _____ Date: 5/15/20

CMR
Reviewed By: _____ Date: 5/15/2020



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0050462 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0D0763-08	Dry Weight		05/12/20 17:21		1.2743 ✓	34.0865 ✓	22.856 ✓	65.8 ✓	Use Results from TS.. Make NR once completed.
A0D0763-08	Solids, Total (SM 254)		05/12/20 17:21		1.2743 ✓	34.0865 ✓	22.856 ✓	65.8 ✓	Use Results for Dry Weight (Not for Waters)
A0D0763-09	Dry Weight		05/12/20 17:21		1.2729 ✓	39.6126 ✓	26.2104 ✓	65.0 ✓	Use Results from TS.. Make NR once completed.
A0D0763-09	Solids, Total (SM 254)		05/12/20 17:21		1.2729 ✓	39.6126 ✓	26.2104 ✓	65.0 ✓	Use Results for Dry Weight (Not for Waters)
A0D0763-10	Dry Weight		05/12/20 17:21		1.2828 ✓	38.7274 ✓	27.154 ✓	69.1 ✓	Use Results from TS.. Make NR once completed.
A0D0763-10	Solids, Total (SM 254)		05/12/20 17:21		1.2828 ✓	38.7274 ✓	27.154 ✓	69.1 ✓	Use Results for Dry Weight (Not for Waters)
A0D0763-11	Dry Weight		05/12/20 17:21		1.2698 ✓	34.6665 ✓	24.5288 ✓	69.6 ✓	Use Results from TS.. Make NR once completed.
A0D0763-11	Solids, Total (SM 254)		05/12/20 17:21		1.2698 ✓	34.6665 ✓	24.5288 ✓	69.6 ✓	Use Results for Dry Weight (Not for Waters)
A0D0763-12	Dry Weight		05/12/20 17:21		1.2845 ✓	34.4526 ✓	23.6795 ✓	67.5 ✓	Use Results from TS.. Make NR once completed.
A0D0763-12	Solids, Total (SM 254)		05/12/20 17:21		1.2845 ✓	34.4526 ✓	23.6795 ✓	67.5 ✓	Use Results for Dry Weight (Not for Waters)
A0D0764-01	Dry Weight		05/12/20 17:21		1.2733 ✓	32.987 ✓	20.5231 ✓	60.7 ✓	Use Results from TS.. Make NR once completed.
A0D0764-01	Solids, Total (SM 254)		05/12/20 17:21		1.2733 ✓	32.987 ✓	20.5231 ✓	60.7 ✓	Use Results for Dry Weight (Not for Waters)
0050462-DUP2	QC	A0D0764-01	05/12/20 17:21		1.2869 ✓	31.1783 ✓	19.6817 ✓	61.5 ✓	
A0D0764-02	Dry Weight		05/12/20 17:21		1.285 ✓	33.8225 ✓	22.5301 ✓	65.3 ✓	Use Results from TS.. Make NR once completed.
A0D0764-02	Solids, Total (SM 254)		05/12/20 17:21		1.285 ✓	33.8225 ✓	22.5301 ✓	65.3 ✓	Use Results for Dry Weight (Not for Waters)
A0D0764-03	Dry Weight		05/12/20 17:21		1.2793 ✓	33.451 ✓	22.3977 ✓	65.6 ✓	Use Results from TS.. Make NR once completed.
A0D0764-03	Solids, Total (SM 254)		05/12/20 17:21		1.2793 ✓	33.451 ✓	22.3977 ✓	65.6 ✓	Use Results for Dry Weight (Not for Waters)
A0D0764-04	Dry Weight		05/12/20 17:21		1.2767 ✓	29.4565 ✓	20.2126 ✓	67.2 ✓	Use Results from TS.. Make NR once completed.
A0D0764-04	Solids, Total (SM 254)		05/12/20 17:21		1.2767 ✓	29.4565 ✓	20.2126 ✓	67.2 ✓	Use Results for Dry Weight (Not for Waters)
A0D0764-05	Dry Weight		05/12/20 17:21		1.2706 ✓	32.0463 ✓	21.5948 ✓	66.0 ✓	Use Results from TS.. Make NR once completed.
A0D0764-05	Solids, Total (SM 254)		05/12/20 17:21		1.2706 ✓	32.0463 ✓	21.5948 ✓	66.0 ✓	Use Results for Dry Weight (Not for Waters)

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0050462 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	<u>LogComments</u>
------------	----------	--------------	--------------------	--------------------	--------------	------------------------	------------------------	-----------------	--------------------

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Total Solids Worksheet

Analyst: MAS

Date: 05/12/20

Batch: 0050462

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0D0758-17	1	1.283	34.3417	21.2644	21.2635	
A0D0758-18	2	1.2882	31.876	20.938	20.9358	
A0D0758-19	3	1.2857	31.571	20.1412	20.1382	
A0D0763-01	4	1.2858	22.4631	15.0798	15.0789	Limited Volume
A0D0763-02	5	1.2891	33.9371	22.915	22.9107	
A0D0763-03	6	1.2863	31.9449	22.4296	22.4229	
A0D0763-04	7	1.2828	37.7916	27.6031	27.6008	
A0D0763-05	8	1.2816	32.629	24.0938	24.0929	
A0D0763-06	9	1.28	31.2508	21.7079	21.7056	
A0D0763-07	10	1.2713	28.7085	21.2255	21.2254	
0050462-DUP1	11	1.2783	26.66	19.7731	19.7715	A0D0763-07
A0D0763-08	12	1.2743	34.0865	22.8618	22.856	
A0D0763-09	13	1.2729	39.6126	26.2156	26.2104	
A0D0763-10	14	1.2828	38.7274	27.16	27.154	
A0D0763-11	15	1.2698	34.6665	24.5329	24.5288	
A0D0763-12	16	1.2845	34.4526	23.6829	23.6795	
A0D0764-01	17	1.2733	32.987	20.5271	20.5231	
0050462-DUP2	18	1.2869	31.1783	19.6881	19.6817	A0D0764-01
A0D0764-02	19	1.285	33.8225	22.5355	22.5301	
A0D0764-03	20	1.2793	33.451	22.4013	22.3977	
A0D0764-04	21	1.2767	29.4565	20.2161	20.2126	
A0D0764-05	22	1.2706	32.0463	21.599	21.5948	

Oven Temp at Sample Introduction	103.6	103.5	Constant weight = +/- 50 mg.
Oven Temp at sample removal	104	103.7	
Time/date	16:48/5-13-20	13:45/5-14-20	

Balance Checksheets

Extractions May 2020
Metals May 2020
Sample Receiving May 2020
Wet Chem May 2020

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

Weight ID	weight (g)	acceptance range (g)	
	=<1g	± 0.02g	
	>1g	± 2%	
10077	0.5g	0.48	0.52
1000143395	300g	294.00	306.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: May
Year: 2020

Alternate Weight/ID used:
1000143395 300g
10077 0.5g

Date Range:
05/01/2020 05/30/2020
05/01/2020 05/30/2020

Day/Time	Initials
1 07:20	CAH
2 09:20	JAG
3 09:18	SCG
4 07:20	JAG
5 07:30	CAH
6 07:25	CAH
7 07:15	CAH
8 07:13	AJJ
9	
10	
11 9:30	J
12 7:45	CAH
13 07:22	AJJ
14 07:58	JAG
15 07:18	CAH
16	
17	
18 07:20	JAG
19 07:40	JAG
20 07:15	AJJ
21 07:35	JAG
22 07:30	CAH
23	
24	
25	
26 13:03	Cub
27 07:35	JAG
28 08:00	CAH
29 7:45	CAH
30	
31	

Weight One	Observed	Weight Two	Observed
	0.517		300.00g
	.52		300.00
	0.49		299.99g
	.49		299.99
	.49		300.00
	.50		300.00
	.51		299.96
	0.51		299.95
	0.51		299.96
	0.50		299.97
	0.51		299.99
	.50		299.96
	.51		299.97
0.50g		300.00g	
	.51		299.98
	.50		299.99
	0.50		299.97
	.52		299.99
	.50		299.98
	0.51		299.96
	.50		299.95
	.50		299.99
	.50		299.96

Balance Challenge Log

Metals Prep Balance 2
Sartorius LC 620 P
40020073

Weight ID	weight (g)	acceptance range (g)	
	= < 1g	± 0.02g	
	> 1g	± 2%	

03-J68049-19	0.100g	0.080	0.120
03-J68814-10	10g	9.800	10.200
15477 (100g + 500g)	600g	588.000	612.000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: May
Year: 2020

Alternate Weight/ID used:
 30g 7172 } JCS 5/3/20
 100mg 1000166763 } 5/3/20 → 5/31/20 JCS

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1	725		599.990		10.004		0.104
2							
3							
4	800		599.990	30.000g			
5	747		599.990	JCS	30.003		0.103
6	744		599.985	5/3/20	30.001		0.102
7	737		599.985	↓	29.998		0.100
8	825		599.985	5/31/20	29.999		0.101
9				JCS	30.003		0.104
10				5/31/20			
11	819		599.995		30.002		0.103
12	758		599.990		30.000		0.100
13	755		599.990		30.001		0.101
14	855		599.995		30.001		0.102
15	748		599.995		30.002		0.104
16		600.000g		10.000g		0.100g	
17	MSG 9/18/20						
18	856 756		600.000		30.000		0.101
19	738		600.000		30.001		0.102
20	750		600.000		30.001		0.100
21	1000		600.000		30.003		0.103
22	735		599.995		30.001		0.101
23							
24							
25							
26	810		600.000		30.000		0.100
27	745		600.000		30.000		0.101
28	808		600.000		30.005		0.105
29	730		600.000		30.002		0.101
30							
31							

Observed

Balance Challenge Log

Wet Chem Balance 1
 Ohaus Adventurer Pro
 ID# 8C30461093

Weight ID	weight (g)	acceptance range (g)	
	<0.5000g	± 0.5mg	
	>=0.5000g	± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: May
 Year: 2020

Alternate Weight/ID used: _____
 Date Range: _____

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1 1055	MAS		100.0004		0.1003		0.0050
2							
3							
4 1019	MAS		100.0002		0.0999		0.0050
5 1051	MAS		100.0004		0.0998		0.0050
6 1030	MAS		100.0002		0.0999		0.0049
7 1016	MAS		100.0001		0.1001		0.0050
8 1200	MAS		100.0002		0.1000		0.0051
9							
10							
11 MAS ^{AD} MAS	MAS		99.9993		0.1000		0.0047
12 1038	MAS		100.0005		0.1000		0.0050
13 1117	MAS		100.0003		0.1001		0.0050
14 1038	MAS		100.0005		0.1001		0.0050
15 1129	MAS		100.0010		0.1002		0.0049
16		100.0000g		0.1000g		.0050g	
17							
18 1219	MAS		100.0015		0.1001		0.0051
19 1008	MAS		100.0027		0.1000		0.0052
20 1100	MAS		100.0002		0.1001		0.0051
21 1104	MAS		99.9995		0.999		0.0050
22 1115	MAS		99.9993		0.1000		
23							
24							
25							
26 1116	MAS		99.9994		0.0999		0.0048
27 1021	MAS		99.9991		0.1000		0.0049
28 1042	MAS		99.9994		0.0998		0.0054
29 1201	MAS		99.9994		0.0999		0.0050
30							
31							