



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 #:
A9J0861**

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
A9J0861
(page 1 of 2)

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

Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Batch 9121119
Sequence 9L26011 (A9J0861-02)
Sequence 9L26012 (A9J0861-03)

Batch 0010092
Sequence 0A15024 (A9J0861-32,33,34,36)
Sequence 0A15025 (A9J0861-13,14,31)
Sequence 0A16014 (A9J0861-38)
Sequence 0A17007 (A9J0861-35RE1,37RE1)

Batch 0010536
Sequence 0A20023 (A9J0861-12RE1)
Sequence 0A02022 (QC Only)

Calibration Data

Sequence 9J25014 (Cal ID A9J2803) DUALECD2R
Sequence 9L03052 (Cal ID A9L0407) DUALECD2F
Sequence 0A13050 (Cal ID A0A1501) DUALECD2R

Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 9121450
Sequence 0A09021 (A9J0861-02RE1,03RE1)

Batch 0010220
Sequence 9L16028 (A9J0861-12RE1,13RE1,14RE1,31RE1,32RE1,33RE1,
34RE1,35RE1,36RE1)
Sequence 9L17019 (A9J0861-36RE2,37RE2,38RE2)

Calibration Data

Sequence 0A08041 (Cal ID A0A0906) DualECD5

Table of Contents
A9J0861
(page 2 of 2)

Semivolatile Organic Compounds (PAHs) by EPA 8270D
Benchsheet & Analysis Sequence Data

Batch 9121369
Sequence 9L27023 (A9J0861-02,03)

Calibration Data

Sequence 9I06028 (Cal ID A9I1001) SV-GCMS14

Conventional Chemistry Parameters
Benchsheet & Analysis Sequence Data

Total Organic Carbon- Soil (5310 B)

Batch 9121092
Sequence 9L19041 (A9J0861-02,03)

Calibration Data

Sequence 9K22043 (Cal ID A9K2205) TOC6

Total Solids by SM2540/PSEP
Benchsheet Data

Batch 9121065 (A9J0861-02,03)
Batch 0010131 (A9J0861-12,13,14,31,32,33,34,35,36,37,38)

Balance Checksheets

Extractions December 2019
Extractions January 2020
Wet Chem December 2019
Wet Chem January 2020

Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC
Project: Gasco PreRD_DG 2019 – 4a-b. DOC-CAP Testing Cores
Apex Work Order Number: A9J0861

Date: 02/14/2020

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



Apex Laboratories, LLC

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

Tuesday, January 21, 2020

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

RE: A9J0861 - 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 A9J0861, which was received by the laboratory on 10/23/2019 at 9:58:00AM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1 2.6 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:
A9J0861 - 01 21 20 1225

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PDI-034SC-A-02-03-191022	A9J0861-02	Sediment	10/22/19 08:26	10/23/19 09:58
PDI-034SC-A-03-04-191022	A9J0861-03	Sediment	10/22/19 08:26	10/23/19 09:58
PDI-034SC-B-00-02-191022	A9J0861-12	Sediment	10/22/19 08:31	10/23/19 09:58
PDI-034SC-B-02-04-191022	A9J0861-13	Sediment	10/22/19 08:34	10/23/19 09:58
PDI-034SC-B-04-06-191022	A9J0861-14	Sediment	10/22/19 08:35	10/23/19 09:58
PDI-083SC-B-00-02-191022	A9J0861-31	Sediment	10/22/19 14:05	10/23/19 09:58
PDI-083SC-B-02-04-191022	A9J0861-32	Sediment	10/22/19 14:05	10/23/19 09:58
PDI-083SC-B-04-06-191022	A9J0861-33	Sediment	10/22/19 14:05	10/23/19 09:58
PDI-083SC-B-06-08-191022	A9J0861-34	Sediment	10/22/19 14:05	10/23/19 09:58
PDI-099SC-B-00-02-191022	A9J0861-35	Sediment	10/22/19 10:48	10/23/19 09:58
PDI-099SC-B-02-04-191022	A9J0861-36	Sediment	10/22/19 10:48	10/23/19 09:58
PDI-099SC-B-04-06-191022	A9J0861-37	Sediment	10/22/19 10:48	10/23/19 09:58
PDI-099SC-B-06-08-191022	A9J0861-38	Sediment	10/22/19 10:48	10/23/19 09:58

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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-A-02-03-191022 (A9J0861-02)			Matrix: Sediment		Batch: 9121119		C-07	
Aroclor 1016	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1221	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1232	ND	1.75	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1242	ND	1.75	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1248	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1254	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1260	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1262	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
Aroclor 1268	ND	0.881	1.75	ug/kg dry	1	12/26/19 16:54	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 59 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>12/26/19 16:54</i>	<i>EPA 8082A</i>
PDI-034SC-A-03-04-191022 (A9J0861-03)			Matrix: Sediment		Batch: 9121119		C-07	
Aroclor 1016	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1221	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1232	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1242	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1248	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1254	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1260	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1262	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
Aroclor 1268	ND	0.885	1.76	ug/kg dry	1	12/26/19 13:22	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>12/26/19 13:22</i>	<i>EPA 8082A</i>
PDI-034SC-B-00-02-191022 (A9J0861-12RE1)			Matrix: Sediment		Batch: 0010536		C-07	
Aroclor 1016	ND	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	
Aroclor 1221	ND	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	
Aroclor 1232	ND	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	
Aroclor 1242	10.7	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	P-10
Aroclor 1248	ND	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	
Aroclor 1254	44.9	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	P-10
Aroclor 1260	10.0	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	P-10
Aroclor 1262	ND	1.09	2.16	ug/kg dry	1	01/20/20 08:34	EPA 8082A	
Aroclor 1268	ND	1.09	2.16	ug/kg dry	1	01/20/20 08:34	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: A9J0861 - 01 21 20 1225
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-034SC-B-00-02-191022 (A9J0861-12RE1)				Matrix: Sediment		Batch: 0010536		C-07	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 41 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/20/20 08:34</i>	<i>EPA 8082A</i>	<i>S-03</i>
PDI-034SC-B-02-04-191022 (A9J0861-13)				Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1221	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1232	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1242	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1248	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1254	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1260	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1262	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
Aroclor 1268	ND	0.891	1.77	ug/kg dry	1	01/15/20 10:07	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/15/20 10:07</i>	<i>EPA 8082A</i>	
PDI-034SC-B-04-06-191022 (A9J0861-14)				Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1221	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1232	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1242	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1248	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1254	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1260	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1262	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
Aroclor 1268	ND	0.764	1.52	ug/kg dry	1	01/15/20 10:42	EPA 8082A		
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/15/20 10:42</i>	<i>EPA 8082A</i>	
PDI-083SC-B-00-02-191022 (A9J0861-31)				Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A		
Aroclor 1221	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A		
Aroclor 1232	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A		
Aroclor 1242	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A		
Aroclor 1248	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A		
Aroclor 1254	ND	51.1	51.1	ug/kg dry	5	01/15/20 11:18	EPA 8082A	R-02	
Aroclor 1260	36.6	5.80	11.5	ug/kg dry	5	01/15/20 11:18	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: A9J0861 - 01 21 20 1225
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-083SC-B-00-02-191022 (A9J0861-31)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1262	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A	
Aroclor 1268	ND	5.80	11.5	ug/kg dry	5	01/15/20 11:18	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 83 %</i>		<i>Limits: 43-120 %</i>		<i>5</i>	<i>01/15/20 11:18</i>	<i>EPA 8082A</i>
PDI-083SC-B-02-04-191022 (A9J0861-32)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	4.08	4.08	ug/kg dry	1	01/15/20 12:41	EPA 8082A	R-02
Aroclor 1221	ND	3.74	3.74	ug/kg dry	1	01/15/20 12:41	EPA 8082A	R-02
Aroclor 1232	ND	10.4	10.4	ug/kg dry	1	01/15/20 12:41	EPA 8082A	R-02
Aroclor 1242	ND	5.61	5.61	ug/kg dry	1	01/15/20 12:41	EPA 8082A	R-02
Aroclor 1248	ND	10.4	10.4	ug/kg dry	1	01/15/20 12:41	EPA 8082A	R-02
Aroclor 1254	ND	17.5	17.5	ug/kg dry	1	01/15/20 12:41	EPA 8082A	R-02
Aroclor 1260	13.6	1.14	2.26	ug/kg dry	1	01/15/20 12:41	EPA 8082A	
Aroclor 1262	ND	1.14	2.26	ug/kg dry	1	01/15/20 12:41	EPA 8082A	
Aroclor 1268	ND	1.14	2.26	ug/kg dry	1	01/15/20 12:41	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 61 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/15/20 12:41</i>	<i>EPA 8082A</i>
PDI-083SC-B-04-06-191022 (A9J0861-33)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	4.10	4.10	ug/kg dry	1	01/15/20 13:17	EPA 8082A	R-02
Aroclor 1221	ND	2.18	2.18	ug/kg dry	1	01/15/20 13:17	EPA 8082A	
Aroclor 1232	ND	8.86	8.86	ug/kg dry	1	01/15/20 13:17	EPA 8082A	R-02
Aroclor 1242	ND	5.58	5.58	ug/kg dry	1	01/15/20 13:17	EPA 8082A	R-02
Aroclor 1248	ND	13.8	13.8	ug/kg dry	1	01/15/20 13:17	EPA 8082A	R-02
Aroclor 1254	ND	21.0	21.0	ug/kg dry	1	01/15/20 13:17	EPA 8082A	R-02
Aroclor 1260	29.2	1.10	2.18	ug/kg dry	1	01/15/20 13:17	EPA 8082A	
Aroclor 1262	ND	1.10	2.18	ug/kg dry	1	01/15/20 13:17	EPA 8082A	
Aroclor 1268	ND	1.10	2.18	ug/kg dry	1	01/15/20 13:17	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 76 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/15/20 13:17</i>	<i>EPA 8082A</i>
PDI-083SC-B-06-08-191022 (A9J0861-34)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	4.29	4.29	ug/kg dry	1	01/15/20 13:52	EPA 8082A	R-02
Aroclor 1221	ND	2.48	2.48	ug/kg dry	1	01/15/20 13:52	EPA 8082A	R-02
Aroclor 1232	ND	11.6	11.6	ug/kg dry	1	01/15/20 13:52	EPA 8082A	R-02
Aroclor 1242	ND	8.26	8.26	ug/kg dry	1	01/15/20 13:52	EPA 8082A	R-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: A9J0861 - 01 21 20 1225
--	--	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-083SC-B-06-08-191022 (A9J0861-34)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1248	ND	15.4	15.4	ug/kg dry	1	01/15/20 13:52	EPA 8082A	R-02
Aroclor 1254	ND	17.0	17.0	ug/kg dry	1	01/15/20 13:52	EPA 8082A	R-02
Aroclor 1260	12.3	1.11	2.20	ug/kg dry	1	01/15/20 13:52	EPA 8082A	
Aroclor 1262	ND	1.11	2.20	ug/kg dry	1	01/15/20 13:52	EPA 8082A	
Aroclor 1268	ND	1.11	2.20	ug/kg dry	1	01/15/20 13:52	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/15/20 13:52</i>	<i>EPA 8082A</i>
PDI-099SC-B-00-02-191022 (A9J0861-35RE1)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	39.3	39.3	ug/kg dry	5	01/17/20 11:20	EPA 8082A	R-02
Aroclor 1221	ND	44.2	44.2	ug/kg dry	5	01/17/20 11:20	EPA 8082A	R-02
Aroclor 1232	ND	105	105	ug/kg dry	5	01/17/20 11:20	EPA 8082A	R-02
Aroclor 1242	ND	54.6	54.6	ug/kg dry	5	01/17/20 11:20	EPA 8082A	R-02
Aroclor 1248	ND	5.38	10.7	ug/kg dry	5	01/17/20 11:20	EPA 8082A	
Aroclor 1254	47.7	5.38	10.7	ug/kg dry	5	01/17/20 11:20	EPA 8082A	P-10
Aroclor 1260	32.4	5.38	10.7	ug/kg dry	5	01/17/20 11:20	EPA 8082A	P-10
Aroclor 1262	ND	5.38	10.7	ug/kg dry	5	01/17/20 11:20	EPA 8082A	
Aroclor 1268	ND	5.38	10.7	ug/kg dry	5	01/17/20 11:20	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 43-120 %</i>		<i>5</i>	<i>01/17/20 11:20</i>	<i>EPA 8082A</i>
PDI-099SC-B-02-04-191022 (A9J0861-36)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	5.79	5.79	ug/kg dry	1	01/15/20 15:03	EPA 8082A	R-02
Aroclor 1221	ND	2.40	2.40	ug/kg dry	1	01/15/20 15:03	EPA 8082A	
Aroclor 1232	ND	15.5	15.5	ug/kg dry	1	01/15/20 15:03	EPA 8082A	R-02
Aroclor 1242	ND	8.14	8.14	ug/kg dry	1	01/15/20 15:03	EPA 8082A	R-02
Aroclor 1248	ND	25.7	25.7	ug/kg dry	1	01/15/20 15:03	EPA 8082A	R-02
Aroclor 1254	ND	23.3	23.3	ug/kg dry	1	01/15/20 15:03	EPA 8082A	R-02
Aroclor 1260	19.6	1.21	2.40	ug/kg dry	1	01/15/20 15:03	EPA 8082A	
Aroclor 1262	ND	1.21	2.40	ug/kg dry	1	01/15/20 15:03	EPA 8082A	
Aroclor 1268	ND	1.21	2.40	ug/kg dry	1	01/15/20 15:03	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/15/20 15:03</i>	<i>EPA 8082A</i>
PDI-099SC-B-04-06-191022 (A9J0861-37RE1)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	11.2	11.2	ug/kg dry	5	01/17/20 11:55	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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-099SC-B-04-06-191022 (A9J0861-37RE1)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1221	ND	5.64	11.2	ug/kg dry	5	01/17/20 11:55	EPA 8082A	
Aroclor 1232	ND	21.1	21.1	ug/kg dry	5	01/17/20 11:55	EPA 8082A	R-02
Aroclor 1242	ND	11.2	11.2	ug/kg dry	5	01/17/20 11:55	EPA 8082A	
Aroclor 1248	ND	34.5	34.5	ug/kg dry	5	01/17/20 11:55	EPA 8082A	R-02
Aroclor 1254	ND	82.5	82.5	ug/kg dry	5	01/17/20 11:55	EPA 8082A	R-02
Aroclor 1260	53.5	5.64	11.2	ug/kg dry	5	01/17/20 11:55	EPA 8082A	
Aroclor 1262	ND	5.64	11.2	ug/kg dry	5	01/17/20 11:55	EPA 8082A	
Aroclor 1268	ND	5.64	11.2	ug/kg dry	5	01/17/20 11:55	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 43-120 %</i>		<i>5</i>	<i>01/17/20 11:55</i>	<i>EPA 8082A</i>
PDI-099SC-B-06-08-191022 (A9J0861-38)			Matrix: Sediment		Batch: 0010092		C-07	
Aroclor 1016	ND	1.20	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
Aroclor 1221	ND	2.37	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
Aroclor 1232	ND	2.37	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
Aroclor 1242	ND	1.20	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
Aroclor 1248	ND	3.03	3.03	ug/kg dry	1	01/16/20 14:06	EPA 8082A	R-02
Aroclor 1254	ND	6.96	6.96	ug/kg dry	1	01/16/20 14:06	EPA 8082A	R-02
Aroclor 1260	10.8	1.20	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
Aroclor 1262	ND	1.20	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
Aroclor 1268	ND	1.20	2.37	ug/kg dry	1	01/16/20 14:06	EPA 8082A	
<i>Surrogate: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 43-120 %</i>		<i>1</i>	<i>01/16/20 14:06</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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-A-02-03-191022 (A9J0861-02RE1)				Matrix: Sediment		Batch: 9121450	C-05, H-08, R-04	
2,4'-DDD	ND	5.13	5.13	ug/kg dry	1	01/09/20 18:39	EPA 8081B	
2,4'-DDE	ND	2.56	5.13	ug/kg dry	1	01/09/20 18:39	EPA 8081B	
2,4'-DDT	ND	2.56	5.13	ug/kg dry	1	01/09/20 18:39	EPA 8081B	
4,4'-DDD	ND	5.13	5.13	ug/kg dry	1	01/09/20 18:39	EPA 8081B	
4,4'-DDE	ND	2.56	5.13	ug/kg dry	1	01/09/20 18:39	EPA 8081B	
4,4'-DDT	ND	7.69	7.69	ug/kg dry	1	01/09/20 18:39	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/09/20 18:39</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>107 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/09/20 18:39</i>	<i>EPA 8081B</i>
PDI-034SC-A-03-04-191022 (A9J0861-03RE1)				Matrix: Sediment		Batch: 9121450	C-05, H-08	
2,4'-DDD	ND	1.29	2.58	ug/kg dry	1	01/09/20 13:06	EPA 8081B	
2,4'-DDE	ND	1.29	2.58	ug/kg dry	1	01/09/20 13:06	EPA 8081B	
2,4'-DDT	ND	1.29	2.58	ug/kg dry	1	01/09/20 13:06	EPA 8081B	
4,4'-DDD	ND	1.29	2.58	ug/kg dry	1	01/09/20 13:06	EPA 8081B	
4,4'-DDE	ND	1.29	2.58	ug/kg dry	1	01/09/20 13:06	EPA 8081B	
4,4'-DDT	ND	1.29	2.58	ug/kg dry	1	01/09/20 13:06	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/09/20 13:06</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>89 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/09/20 13:06</i>	<i>EPA 8081B</i>
PDI-034SC-B-00-02-191022 (A9J0861-12RE1)				Matrix: Sediment		Batch: 0010220	C-05, H-08, R-04	
2,4'-DDD	ND	30.8	30.8	ug/kg dry	5	01/16/20 19:23	EPA 8081B	
2,4'-DDE	ND	15.4	30.8	ug/kg dry	5	01/16/20 19:23	EPA 8081B	
2,4'-DDT	ND	15.4	30.8	ug/kg dry	5	01/16/20 19:23	EPA 8081B	
4,4'-DDD	ND	30.8	30.8	ug/kg dry	5	01/16/20 19:23	EPA 8081B	
4,4'-DDE	ND	15.4	30.8	ug/kg dry	5	01/16/20 19:23	EPA 8081B	
4,4'-DDT	ND	49.3	49.3	ug/kg dry	5	01/16/20 19:23	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>01/16/20 19:23</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>157 %</i>		<i>55-130 %</i>		<i>5</i>	<i>01/16/20 19:23</i>	<i>EPA 8081B</i>
PDI-034SC-B-02-04-191022 (A9J0861-13RE1)				Matrix: Sediment		Batch: 0010220	C-05, H-08	
2,4'-DDD	ND	24.6	24.6	ug/kg dry	5	01/16/20 20:01	EPA 8081B	
2,4'-DDE	ND	12.3	24.6	ug/kg dry	5	01/16/20 20:01	EPA 8081B	
2,4'-DDT	ND	12.3	24.6	ug/kg dry	5	01/16/20 20:01	EPA 8081B	
4,4'-DDD	30.2	12.3	24.6	ug/kg dry	5	01/16/20 20:01	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.



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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-034SC-B-02-04-191022 (A9J0861-13RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08		
4,4'-DDE	ND	12.3	24.6	ug/kg dry	5	01/16/20 20:01	EPA 8081B		
4,4'-DDT	ND	30.7	30.7	ug/kg dry	5	01/16/20 20:01	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>01/16/20 20:01</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>138 %</i>		<i>55-130 %</i>		<i>5</i>	<i>01/16/20 20:01</i>	<i>EPA 8081B</i>	<i>S-04</i>
PDI-034SC-B-04-06-191022 (A9J0861-14RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08		
2,4'-DDD	ND	1.06	2.12	ug/kg dry	1	01/16/20 13:12	EPA 8081B		
2,4'-DDE	ND	1.06	2.12	ug/kg dry	1	01/16/20 13:12	EPA 8081B		
2,4'-DDT	ND	1.06	2.12	ug/kg dry	1	01/16/20 13:12	EPA 8081B		
4,4'-DDD	ND	1.06	2.12	ug/kg dry	1	01/16/20 13:12	EPA 8081B		
4,4'-DDE	ND	1.06	2.12	ug/kg dry	1	01/16/20 13:12	EPA 8081B		
4,4'-DDT	ND	1.06	2.12	ug/kg dry	1	01/16/20 13:12	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/16/20 13:12</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>103 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/16/20 13:12</i>	<i>EPA 8081B</i>	
PDI-083SC-B-00-02-191022 (A9J0861-31RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08		
2,4'-DDD	188	188	188	ug/kg dry	10	01/16/20 20:39	EPA 8081B	R-02	
2,4'-DDE	ND	84.4	84.4	ug/kg dry	10	01/16/20 20:39	EPA 8081B	R-02	
2,4'-DDT	ND	101	101	ug/kg dry	10	01/16/20 20:39	EPA 8081B	R-02	
4,4'-DDD	247	32.5	64.9	ug/kg dry	10	01/16/20 20:38	EPA 8081B		
4,4'-DDE	ND	64.9	64.9	ug/kg dry	10	01/16/20 20:38	EPA 8081B		
4,4'-DDT	ND	166	166	ug/kg dry	10	01/16/20 20:39	EPA 8081B	R-02	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 104 %</i>		<i>Limits: 42-129 %</i>		<i>10</i>	<i>01/16/20 20:39</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>221 %</i>		<i>55-130 %</i>		<i>10</i>	<i>01/16/20 20:38</i>	<i>EPA 8081B</i>	<i>S-04</i>
PDI-083SC-B-02-04-191022 (A9J0861-32RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08		
2,4'-DDD	193	16.9	33.8	ug/kg dry	5	01/16/20 21:16	EPA 8081B		
2,4'-DDE	75.5	16.9	33.8	ug/kg dry	5	01/16/20 21:16	EPA 8081B		
2,4'-DDT	ND	16.9	33.8	ug/kg dry	5	01/16/20 21:16	EPA 8081B		
4,4'-DDD	552	16.9	33.8	ug/kg dry	5	01/16/20 21:16	EPA 8081B		
4,4'-DDE	69.3	16.9	33.8	ug/kg dry	5	01/16/20 21:16	EPA 8081B	P-11	
4,4'-DDT	89.6	16.9	33.8	ug/kg dry	5	01/16/20 21:16	EPA 8081B		
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 99 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>01/16/20 21:16</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>		<i>134 %</i>		<i>55-130 %</i>		<i>5</i>	<i>01/16/20 21:16</i>	<i>EPA 8081B</i>	<i>S-04</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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-083SC-B-04-06-191022 (A9J0861-33RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDD	179	3.21	6.42	ug/kg dry	2	01/16/20 21:54	EPA 8081B	
2,4'-DDE	47.5	3.21	6.42	ug/kg dry	2	01/16/20 21:54	EPA 8081B	
2,4'-DDT	ND	8.67	8.67	ug/kg dry	2	01/16/20 21:54	EPA 8081B	R-02
4,4'-DDD	371	3.21	6.42	ug/kg dry	2	01/16/20 21:54	EPA 8081B	
4,4'-DDE	30.5	3.21	6.42	ug/kg dry	2	01/16/20 21:54	EPA 8081B	P-11
4,4'-DDT	30.8	3.21	6.42	ug/kg dry	2	01/16/20 21:54	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>01/16/20 21:54</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>127 %</i>		<i>55-130 %</i>		<i>2</i>	<i>01/16/20 21:54</i>	<i>EPA 8081B</i>
PDI-083SC-B-06-08-191022 (A9J0861-34RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDD	544	16.5	33.0	ug/kg dry	5	01/16/20 22:31	EPA 8081B	
2,4'-DDE	97.5	16.5	33.0	ug/kg dry	5	01/16/20 22:31	EPA 8081B	
2,4'-DDT	ND	16.5	33.0	ug/kg dry	5	01/16/20 22:31	EPA 8081B	
4,4'-DDD	922	16.5	33.0	ug/kg dry	5	01/16/20 22:31	EPA 8081B	
4,4'-DDE	57.4	16.5	33.0	ug/kg dry	5	01/16/20 22:31	EPA 8081B	P-11
4,4'-DDT	367	16.5	33.0	ug/kg dry	5	01/16/20 22:31	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 97 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>01/16/20 22:31</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>134 %</i>		<i>55-130 %</i>		<i>5</i>	<i>01/16/20 22:31</i>	<i>EPA 8081B</i>
PDI-099SC-B-00-02-191022 (A9J0861-35RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDD	22.1	1.61	3.21	ug/kg dry	1	01/16/20 13:29	EPA 8081B	
2,4'-DDE	12.3	1.61	3.21	ug/kg dry	1	01/16/20 13:29	EPA 8081B	
2,4'-DDT	ND	4.50	4.50	ug/kg dry	1	01/16/20 13:29	EPA 8081B	R-02
4,4'-DDD	63.7	1.61	3.21	ug/kg dry	1	01/16/20 13:29	EPA 8081B	
4,4'-DDE	27.5	1.61	3.21	ug/kg dry	1	01/16/20 13:29	EPA 8081B	
4,4'-DDT	12.1	1.61	3.21	ug/kg dry	1	01/16/20 13:29	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>01/16/20 13:29</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>110 %</i>		<i>55-130 %</i>		<i>1</i>	<i>01/16/20 13:29</i>	<i>EPA 8081B</i>
PDI-099SC-B-02-04-191022 (A9J0861-36RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDE	119	3.44	6.87	ug/kg dry	2	01/16/20 23:09	EPA 8081B	
2,4'-DDT	ND	7.56	7.56	ug/kg dry	2	01/16/20 23:09	EPA 8081B	R-02
4,4'-DDE	76.1	3.44	6.87	ug/kg dry	2	01/16/20 23:09	EPA 8081B	P-11

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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-099SC-B-02-04-191022 (A9J0861-36RE1)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
4,4'-DDT	371	3.44	6.87	ug/kg dry	2	01/16/20 23:09	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>01/16/20 23:09</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>128 %</i>		<i>55-130 %</i>		<i>2</i>	<i>01/16/20 23:09</i>	<i>EPA 8081B</i>
PDI-099SC-B-02-04-191022 (A9J0861-36RE2)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDD	666	34.4	68.7	ug/kg dry	20	01/17/20 20:59	EPA 8081B	
4,4'-DDD	2200	34.4	68.7	ug/kg dry	20	01/17/20 20:59	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 72 %</i>		<i>Limits: 42-129 %</i>		<i>20</i>	<i>01/17/20 20:59</i>	<i>EPA 8081B S-05</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>117 %</i>		<i>55-130 %</i>		<i>20</i>	<i>01/17/20 20:59</i>	<i>EPA 8081B S-05</i>
PDI-099SC-B-04-06-191022 (A9J0861-37RE2)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDD	1700	84.6	169	ug/kg dry	50	01/17/20 21:37	EPA 8081B	
2,4'-DDE	314	84.6	169	ug/kg dry	50	01/17/20 21:37	EPA 8081B	
2,4'-DDT	ND	169	169	ug/kg dry	50	01/17/20 21:37	EPA 8081B	
4,4'-DDD	4070	84.6	169	ug/kg dry	50	01/17/20 21:37	EPA 8081B	
4,4'-DDE	ND	711	711	ug/kg dry	50	01/17/20 21:37	EPA 8081B	R-02
4,4'-DDT	14400	84.6	169	ug/kg dry	50	01/17/20 21:37	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 95 %</i>		<i>Limits: 42-129 %</i>		<i>50</i>	<i>01/17/20 21:37</i>	<i>EPA 8081B S-05</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>128 %</i>		<i>55-130 %</i>		<i>50</i>	<i>01/17/20 21:37</i>	<i>EPA 8081B S-05</i>
PDI-099SC-B-06-08-191022 (A9J0861-38RE2)			Matrix: Sediment		Batch: 0010220		C-05, H-08	
2,4'-DDD	ND	9.48	9.48	ug/kg dry	2	01/17/20 19:44	EPA 8081B	R-02
2,4'-DDE	ND	3.51	7.02	ug/kg dry	2	01/17/20 19:44	EPA 8081B	
2,4'-DDT	ND	3.51	7.02	ug/kg dry	2	01/17/20 19:44	EPA 8081B	
4,4'-DDD	7.77	3.51	7.02	ug/kg dry	2	01/17/20 19:44	EPA 8081B	
4,4'-DDE	ND	7.02	7.02	ug/kg dry	2	01/17/20 19:44	EPA 8081B	
4,4'-DDT	ND	7.37	7.37	ug/kg dry	2	01/17/20 19:44	EPA 8081B	R-02
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 42-129 %</i>		<i>2</i>	<i>01/17/20 19:44</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>120 %</i>		<i>55-130 %</i>		<i>2</i>	<i>01/17/20 19:44</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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
PDI-034SC-A-02-03-191022 (A9J0861-02)			Matrix: Sediment		Batch: 9121369		H-08		
Acenaphthene	24400	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D	B	
Acenaphthylene	3400	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Anthracene	13100	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Benz(a)anthracene	9390	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Benzo(a)pyrene	12600	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Benzo(b)fluoranthene	10800	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Benzo(k)fluoranthene	3770	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D	M-05	
Benzo(g,h,i)perylene	9320	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Chrysene	12400	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Dibenz(a,h)anthracene	ND	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Fluoranthene	40300	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Fluorene	12600	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
Indeno(1,2,3-cd)pyrene	8350	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
2-Methylnaphthalene	19500	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D	B	
Naphthalene	126000	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D	B, Q-29	
Phenanthrene	71300	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D	B	
Pyrene	37800	1620	3250	ug/kg dry	1000	12/27/19 16:46	EPA 8270D		
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 123 %</i>		<i>Limits: 44-115 %</i>		<i>1000</i>	<i>12/27/19 16:46</i>	<i>EPA 8270D</i>	<i>S-05</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>134 %</i>		<i>54-127 %</i>		<i>1000</i>	<i>12/27/19 16:46</i>	<i>EPA 8270D</i>	<i>S-05</i>

PDI-034SC-A-03-04-191022 (A9J0861-03)			Matrix: Sediment		Batch: 9121369		H-08	
Acenaphthene	620	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	B
Acenaphthylene	36.5	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Anthracene	110	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Benz(a)anthracene	53.7	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Benzo(a)pyrene	72.8	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Benzo(b)fluoranthene	62.6	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Benzo(k)fluoranthene	21.3	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	M-05
Benzo(g,h,i)perylene	54.6	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Chrysene	77.1	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Dibenz(a,h)anthracene	ND	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Fluoranthene	267	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
Fluorene	199	6.66	13.3	ug/kg dry	4	12/27/19 17:18	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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-A-03-04-191022 (A9J0861-03)				Matrix: Sediment		Batch: 9121369		H-08
Indeno(1,2,3-cd)pyrene	47.2	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
2-Methylnaphthalene	110	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	B
Naphthalene	849	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	B, Q-29
Phenanthrene	801	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	B
Pyrene	243	6.66	13.3	ug/kg dry	4	12/27/19 17:18	EPA 8270D	
<i>Surrogate: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 85 %</i>		<i>Limits: 44-115 %</i>		<i>4</i>	<i>12/27/19 17:18</i>	<i>EPA 8270D</i>
<i>p-Terphenyl-d14 (Surr)</i>		<i>80 %</i>		<i>54-127 %</i>		<i>4</i>	<i>12/27/19 17:18</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.



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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-A-02-03-191022 (A9J0861-02)				Matrix: Sediment				
Batch: 9121092								
Total Organic Carbon	0.27	---	0.020	% by Weight	1	12/19/19 19:25	SM 5310 B MOD	H-08
PDI-034SC-A-03-04-191022 (A9J0861-03)				Matrix: Sediment				
Batch: 9121092								
Total Organic Carbon	0.13	---	0.020	% by Weight	1	12/19/19 20:08	SM 5310 B MOD	H-08

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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-034SC-A-02-03-191022 (A9J0861-02)				Matrix: Sediment				
Batch: 9121065								
Total Solids	74.9	1.00	1.00	% by Weight	1	12/27/19 17:41	SM 2540 G	
PDI-034SC-A-03-04-191022 (A9J0861-03)				Matrix: Sediment				
Batch: 9121065								
Total Solids	74.7	1.00	1.00	% by Weight	1	12/27/19 17:41	SM 2540 G	
PDI-034SC-B-00-02-191022 (A9J0861-12)				Matrix: Sediment				
Batch: 0010131								
Total Solids	60.8	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-034SC-B-02-04-191022 (A9J0861-13)				Matrix: Sediment				
Batch: 0010131								
Total Solids	74.9	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-034SC-B-04-06-191022 (A9J0861-14)				Matrix: Sediment				
Batch: 0010131								
Total Solids	87.3	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-083SC-B-00-02-191022 (A9J0861-31)				Matrix: Sediment				
Batch: 0010131								
Total Solids	57.1	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-083SC-B-02-04-191022 (A9J0861-32)				Matrix: Sediment				
Batch: 0010131								
Total Solids	58.7	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-083SC-B-04-06-191022 (A9J0861-33)				Matrix: Sediment				
Batch: 0010131								
Total Solids	60.2	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-083SC-B-06-08-191022 (A9J0861-34)				Matrix: Sediment				
Batch: 0010131								
Total Solids	59.3	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-099SC-B-00-02-191022 (A9J0861-35)				Matrix: Sediment				
Batch: 0010131								

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: A9J0861 - 01 21 20 1225
--	---	--

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PDI-099SC-B-00-02-191022 (A9J0861-35)				Matrix: Sediment				
Total Solids	61.2	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-099SC-B-02-04-191022 (A9J0861-36)				Matrix: Sediment				
Batch: 0010131								
Total Solids	55.1	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-099SC-B-04-06-191022 (A9J0861-37)				Matrix: Sediment				
Batch: 0010131								
Total Solids	58.0	1.00	1.00	% by Weight	1	01/17/20 16:47	SM 2540 G	
PDI-099SC-B-06-08-191022 (A9J0861-38)				Matrix: Sediment				
Batch: 0010131								
Total Solids	55.2	1.00	1.00	% by Weight	1	01/17/20 16:47	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: A9J0861 - 01 21 20 1225
--	--	--

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 0010092 - EPA 3546												
Sediment												
Blank (0010092-BLK1) Prepared: 01/06/20 07:09 Analyzed: 01/15/20 08:17 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: 93 % Limits: 43-120 % Dilution: 1x</i>												
LCS (0010092-BS1) Prepared: 01/06/20 07:09 Analyzed: 01/15/20 08:35 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	49.0	0.670	1.33	ug/kg wet	1	83.3	---	59	47-134%	---	---	
Aroclor 1260	65.6	0.670	1.33	ug/kg wet	1	83.3	---	79	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 98 % Limits: 43-120 % Dilution: 1x</i>												
Matrix Spike (0010092-MS1) Prepared: 01/06/20 07:09 Analyzed: 01/15/20 14:27 C-07												
<u>QC Source Sample: Non-SDG (A9J0903-34)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	45.4	0.953	1.89	ug/kg dry	1	118	ND	38	47-134%	---	---	Q-01
Aroclor 1260	48.6	0.953	1.89	ug/kg dry	1	118	ND	41	53-140%	---	---	Q-01
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 51 % Limits: 43-120 % Dilution: 1x</i>												
Matrix Spike Dup (0010092-MSD1) Prepared: 01/06/20 07:09 Analyzed: 01/15/20 15:03 C-07												
<u>QC Source Sample: Non-SDG (A9J0903-34)</u>												
Aroclor 1016	51.2	0.954	1.89	ug/kg dry	1	119	ND	43	47-134%	12	30%	Q-01
Aroclor 1260	59.7	0.954	1.89	ug/kg dry	1	119	ND	50	53-140%	20	30%	Q-01
<i>Surr: Decachlorobiphenyl (Surr) Recovery: 62 % Limits: 43-120 % Dilution: 1x</i>												
Batch 0010536 - EPA 3546												
Sediment												

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: A9J0861 - 01 21 20 1225
--	---	--

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 0010536 - EPA 3546						Sediment						
Blank (0010536-BLK1)						Prepared: 01/17/20 11:12 Analyzed: 01/20/20 08:34						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)</i>		<i>Recovery: 98 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS (0010536-BS1)						Prepared: 01/17/20 11:12 Analyzed: 01/20/20 08:52						C-07
<u>EPA 8082A</u>												
Aroclor 1016	57.8	0.670	1.33	ug/kg wet	1	83.3	---	69	47-134%	---	---	
Aroclor 1260	73.5	0.670	1.33	ug/kg wet	1	83.3	---	88	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS Dup (0010536-BSD1)						Prepared: 01/17/20 11:12 Analyzed: 01/20/20 09:09						C-07, Q-19
<u>EPA 8082A</u>												
Aroclor 1016	58.7	0.670	1.33	ug/kg wet	1	83.3	---	70	47-134%	1	30%	
Aroclor 1260	74.1	0.670	1.33	ug/kg wet	1	83.3	---	89	53-140%	0.8	30%	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 100 %</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: A9J0861 - 01 21 20 1225
--	--	--

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 9121119 - EPA 3546												
Sediment												
Blank (9121119-BLK1) Prepared: 12/19/19 10:36 Analyzed: 12/26/19 08:55 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)</i>		<i>Recovery: 58 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
LCS (9121119-BS1) Prepared: 12/19/19 10:36 Analyzed: 12/26/19 09:13 C-07												
<u>EPA 8082A</u>												
Aroclor 1016	45.4	0.670	1.33	ug/kg wet	1	83.3	---	54	47-134%	---	---	
Aroclor 1260	75.7	0.670	1.33	ug/kg wet	1	83.3	---	91	53-140%	---	---	
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 100 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Matrix Spike (9121119-MS1) Prepared: 12/19/19 10:36 Analyzed: 12/26/19 16:18 C-07												
<u>QC Source Sample: Non-SDG (A9J0903-25)</u>												
<u>EPA 8082A</u>												
Aroclor 1016	57.6	0.968	1.92	ug/kg dry	1	120	ND	48	47-134%	---	---	
Aroclor 1260	62.2	0.968	1.92	ug/kg dry	1	120	ND	52	53-140%	---	---	Q-01
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 62 %</i>		<i>Limits: 43-120 %</i>		<i>Dilution: 1x</i>						
Matrix Spike Dup (9121119-MSD1) Prepared: 12/19/19 10:36 Analyzed: 12/26/19 16:54 C-07												
<u>QC Source Sample: Non-SDG (A9J0903-25)</u>												
Aroclor 1016	29.1	0.970	1.93	ug/kg dry	1	121	ND	24	47-134%	66	30%	Q-01
Aroclor 1260	24.1	0.970	1.93	ug/kg dry	1	121	ND	20	53-140%	88	30%	Q-01
<i>Surr: Decachlorobiphenyl (Surr)</i>		<i>Recovery: 22 %</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: A9J0861 - 01 21 20 1225
--	---	--

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 0010220 - EPA 3546/3640A (GPC)						Sediment						
Blank (0010220-BLK1)						Prepared: 01/06/20 13:32 Analyzed: 01/16/20 12:37						C-05
EPA 8081B												
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	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 68 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>104 %</i>		<i>55-130 %</i>		<i>"</i>						
LCS (0010220-BS1)						Prepared: 01/06/20 13:32 Analyzed: 01/16/20 12:55						C-05
EPA 8081B												
2,4'-DDD	51.1	1.00	2.00	ug/kg wet	1	50.0	---	102	50-150%	---	---	
2,4'-DDE	45.1	1.00	2.00	ug/kg wet	1	50.0	---	90	50-150%	---	---	
2,4'-DDT	55.4	1.00	2.00	ug/kg wet	1	50.0	---	111	50-150%	---	---	
4,4'-DDD	58.3	1.00	2.00	ug/kg wet	1	50.0	---	117	50-150%	---	---	
4,4'-DDE	50.7	1.00	2.00	ug/kg wet	1	50.0	---	101	50-150%	---	---	
4,4'-DDT	63.6	1.00	2.00	ug/kg wet	1	50.0	---	127	50-150%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>102 %</i>		<i>55-130 %</i>		<i>"</i>						
Matrix Spike (0010220-MS1)						Prepared: 01/06/20 13:32 Analyzed: 01/17/20 18:29						C-05, H-08, R-04
QC Source Sample: Non-SDG (A9J0903-34RE1)												
EPA 8081B												
2,4'-DDD	96.1	14.0	14.0	ug/kg dry	5	70.0	ND	137	50-150%	---	---	
2,4'-DDE	87.5	7.00	14.0	ug/kg dry	5	70.0	ND	125	50-150%	---	---	
2,4'-DDT	99.3	7.00	14.0	ug/kg dry	5	70.0	ND	142	50-150%	---	---	
4,4'-DDD	108	7.00	14.0	ug/kg dry	5	70.0	ND	155	50-150%	---	---	Q-01
4,4'-DDE	101	7.00	14.0	ug/kg dry	5	70.0	ND	145	50-150%	---	---	
4,4'-DDT	106	14.0	14.0	ug/kg dry	5	70.0	ND	151	50-150%	---	---	Q-01
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>124 %</i>		<i>55-130 %</i>		<i>"</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: A9J0861 - 01 21 20 1225
--	---	--

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 0010220 - EPA 3546/3640A (GPC)						Sediment							
Matrix Spike Dup (0010220-MSD1)						Prepared: 01/06/20 13:32 Analyzed: 01/17/20 19:07						C-05, H-08, R-04	
QC Source Sample: Non-SDG (A9J0903-34RE1)													
2,4'-DDD	99.8	14.1	14.1	ug/kg dry	5	70.7	ND	141	50-150%	4	35%		
2,4'-DDE	89.8	7.07	14.1	ug/kg dry	5	70.7	ND	127	50-150%	3	35%		
2,4'-DDT	101	7.07	14.1	ug/kg dry	5	70.7	ND	143	50-150%	2	35%		
4,4'-DDD	113	7.07	14.1	ug/kg dry	5	70.7	ND	160	50-150%	4	30%	Q-01	
4,4'-DDE	107	7.07	14.1	ug/kg dry	5	70.7	ND	151	50-150%	5	30%	Q-01	
4,4'-DDT	113	14.1	14.1	ug/kg dry	5	70.7	ND	160	50-150%	7	30%	Q-01	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>132 %</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: A9J0861 - 01 21 20 1225
--	---	--

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 9121450 - EPA 3546/3640A (GPC)												
Soil												
Blank (9121450-BLK1)												
Prepared: 12/20/19 09:46 Analyzed: 01/09/20 12:31 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: 67 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		90 %		55-130 %		"						
LCS (9121450-BS1)												
Prepared: 12/20/19 09:46 Analyzed: 01/09/20 12:48 C-05												
<u>EPA 8081B</u>												
2,4'-DDD	49.4	1.00	2.00	ug/kg wet	1	50.0	---	99	50-150%	---	---	
2,4'-DDE	46.6	1.00	2.00	ug/kg wet	1	50.0	---	93	50-150%	---	---	
2,4'-DDT	54.1	1.00	2.00	ug/kg wet	1	50.0	---	108	50-150%	---	---	
4,4'-DDD	51.6	1.00	2.00	ug/kg wet	1	50.0	---	103	50-150%	---	---	
4,4'-DDE	51.3	1.00	2.00	ug/kg wet	1	50.0	---	103	50-150%	---	---	
4,4'-DDT	54.5	1.00	2.00	ug/kg wet	1	50.0	---	109	50-150%	---	---	
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 77 %		Limits: 42-129 %		Dilution: 1x						
Decachlorobiphenyl (Surr)		91 %		55-130 %		"						
Matrix Spike (9121450-MS1)												
Prepared: 12/20/19 09:46 Analyzed: 01/10/20 23:00 C-05, H-08, R-04												
<u>QC Source Sample: Non-SDG (A9J0903-25RE1)</u>												
<u>EPA 8081B</u>												
2,4'-DDD	75.3	14.2	28.4	ug/kg dry	5	71.0	ND	106	75-130%	---	---	
2,4'-DDE	68.6	14.2	28.4	ug/kg dry	5	71.0	ND	97	74-131%	---	---	
2,4'-DDT	77.1	14.2	28.4	ug/kg dry	5	71.0	ND	109	64-136%	---	---	
4,4'-DDD	83.5	14.2	28.4	ug/kg dry	5	71.0	ND	118	56-139%	---	---	Q-41
4,4'-DDE	77.8	14.2	28.4	ug/kg dry	5	71.0	ND	110	56-134%	---	---	
4,4'-DDT	88.2	28.4	28.4	ug/kg dry	5	71.0	ND	124	50-141%	---	---	Q-41
Surr: 2,4,5,6-TCMX (Surr)		Recovery: 76 %		Limits: 42-129 %		Dilution: 5x						
Decachlorobiphenyl (Surr)		104 %		55-130 %		"						

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: A9J0861 - 01 21 20 1225
--	---	--

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 9121450 - EPA 3546/3640A (GPC)						Soil							
Matrix Spike Dup (9121450-MSD1)			Prepared: 12/20/19 09:46 Analyzed: 01/10/20 23:38						C-05, H-08, R-04				
QC Source Sample: Non-SDG (A9J0903-25RE1)													
2,4'-DDD	69.1	13.6	27.2	ug/kg dry	5	67.9	ND	102	75-130%	9	200%		
2,4'-DDE	62.6	13.6	27.2	ug/kg dry	5	67.9	ND	92	74-131%	9	200%		
2,4'-DDT	68.7	13.6	27.2	ug/kg dry	5	67.9	ND	101	64-136%	12	200%		
4,4'-DDD	74.2	13.6	27.2	ug/kg dry	5	67.9	ND	109	56-139%	12	30%	Q-41	
4,4'-DDE	70.4	13.6	27.2	ug/kg dry	5	67.9	ND	104	56-134%	10	30%		
4,4'-DDT	77.5	27.2	27.2	ug/kg dry	5	67.9	ND	114	50-141%	13	30%	Q-41	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 71 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>96 %</i>		<i>55-130 %</i>		<i>"</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: A9J0861 - 01 21 20 1225
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121369 - EPA 3546												
Sediment												
Blank (9121369-BLK1)												
Prepared: 12/27/19 12:29 Analyzed: 12/27/19 15:42												
<u>EPA 8270D</u>												
Acenaphthene	2.70	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B
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	3.19	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B
Naphthalene	26.7	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B
Phenanthrene	3.53	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	B
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 88 %</i>		<i>Limits: 44-115 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>85 %</i>		<i>54-127 %</i>		<i>"</i>						

LCS (9121369-BS1)												
Prepared: 12/27/19 12:29 Analyzed: 12/27/19 16:14												
<u>EPA 8270D</u>												
Acenaphthene	18.4	1.25	2.50	ug/kg wet	1	20.0	---	92	40-122%	---	---	B
Acenaphthylene	15.9	1.25	2.50	ug/kg wet	1	20.0	---	79	32-132%	---	---	
Anthracene	17.1	1.25	2.50	ug/kg wet	1	20.0	---	86	47-123%	---	---	
Benz(a)anthracene	16.1	1.25	2.50	ug/kg wet	1	20.0	---	81	49-126%	---	---	
Benzo(a)pyrene	16.8	1.25	2.50	ug/kg wet	1	20.0	---	84	45-129%	---	---	
Benzo(b)fluoranthene	16.4	1.25	2.50	ug/kg wet	1	20.0	---	82	45-132%	---	---	
Benzo(k)fluoranthene	17.0	1.25	2.50	ug/kg wet	1	20.0	---	85	47-132%	---	---	
Benzo(g,h,i)perylene	15.6	1.25	2.50	ug/kg wet	1	20.0	---	78	43-134%	---	---	
Chrysene	17.2	1.25	2.50	ug/kg wet	1	20.0	---	86	50-124%	---	---	
Dibenz(a,h)anthracene	16.3	1.25	2.50	ug/kg wet	1	20.0	---	81	45-134%	---	---	
Fluoranthene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	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: A9J0861 - 01 21 20 1225
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121369 - EPA 3546												
Sediment												
LCS (9121369-BS1)												
Prepared: 12/27/19 12:29 Analyzed: 12/27/19 16:14												
Fluorene	17.4	1.25	2.50	ug/kg wet	1	20.0	---	87	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	16.0	1.25	2.50	ug/kg wet	1	20.0	---	80	45-133%	---	---	
2-Methylnaphthalene	16.8	1.25	2.50	ug/kg wet	1	20.0	---	84	38-122%	---	---	B
Naphthalene	32.2	1.25	2.50	ug/kg wet	1	20.0	---	161	35-123%	---	---	Q-29, B
Phenanthrene	19.9	1.25	2.50	ug/kg wet	1	20.0	---	99	50-121%	---	---	B
Pyrene	15.4	1.25	2.50	ug/kg wet	1	20.0	---	77	47-127%	---	---	
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 89 %</i>		<i>Limits: 44-115 %</i>		<i>Dilution: 1x</i>						
<i>p-Terphenyl-d14 (Surr)</i>		<i>84 %</i>		<i>54-127 %</i>		<i>"</i>						

Matrix Spike (9121369-MS1)												
Prepared: 12/27/19 12:29 Analyzed: 12/27/19 19:58												
H-08												
QC Source Sample: Non-SDG (A9J0903-25)												
EPA 8270D												
Acenaphthene	34800	1790	3590	ug/kg dry	1000	28.7	31400	12000	40-122%	---	---	B, Q-11
Acenaphthylene	4760	1790	3590	ug/kg dry	1000	28.7	4610	514	32-132%	---	---	Q-11
Anthracene	17200	1790	3590	ug/kg dry	1000	28.7	15400	6500	47-123%	---	---	Q-11
Benz(a)anthracene	16600	1790	3590	ug/kg dry	1000	28.7	14500	7170	49-126%	---	---	Q-11
Benzo(a)pyrene	27700	1790	3590	ug/kg dry	1000	28.7	24200	12000	45-129%	---	---	Q-11
Benzo(b)fluoranthene	22800	1790	3590	ug/kg dry	1000	28.7	19800	10200	45-132%	---	---	Q-11
Benzo(k)fluoranthene	7180	1790	3590	ug/kg dry	1000	28.7	6420	2640	47-132%	---	---	Q-11
Benzo(g,h,i)perylene	25800	1790	3590	ug/kg dry	1000	28.7	22100	12900	43-134%	---	---	Q-11
Chrysene	22300	1790	3590	ug/kg dry	1000	28.7	19900	8150	50-124%	---	---	Q-11
Dibenz(a,h)anthracene	1890	1790	3590	ug/kg dry	1000	28.7	ND	6600	45-134%	---	---	J, Q-11
Fluoranthene	76900	1790	3590	ug/kg dry	1000	28.7	67300	33200	50-127%	---	---	Q-11
Fluorene	12100	1790	3590	ug/kg dry	1000	28.7	10300	6010	43-125%	---	---	Q-11
Indeno(1,2,3-cd)pyrene	20000	1790	3590	ug/kg dry	1000	28.7	17700	8020	45-133%	---	---	Q-11
2-Methylnaphthalene	4490	1790	3590	ug/kg dry	1000	28.7	3500	3460	38-122%	---	---	B, Q-11
Naphthalene	13100	1790	3590	ug/kg dry	1000	28.7	10000	10800	35-123%	---	---	B, Q-11
Phenanthrene	88500	1790	3590	ug/kg dry	1000	28.7	78400	35200	50-121%	---	---	B, Q-11
Pyrene	86100	1790	3590	ug/kg dry	1000	28.7	71100	52400	47-127%	---	---	Q-11
<i>Surr: 2-Fluorobiphenyl (Surr)</i>		<i>Recovery: 108 %</i>		<i>Limits: 44-115 %</i>		<i>Dilution: 1000x</i>		<i>S-05</i>				
<i>p-Terphenyl-d14 (Surr)</i>		<i>122 %</i>		<i>54-127 %</i>		<i>"</i>		<i>S-05</i>				

Matrix Spike Dup (9121369-MSD1)												
Prepared: 12/27/19 12:29 Analyzed: 12/27/19 20:30												
H-08												

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: A9J0861 - 01 21 20 1225
--	---	--

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 9121369 - EPA 3546							Sediment					
Matrix Spike Dup (9121369-MSD1)							Prepared: 12/27/19 12:29 Analyzed: 12/27/19 20:30				H-08	
QC Source Sample: Non-SDG (A9J0903-25)												
Acenaphthene	44700	1790	3580	ug/kg dry	1000	28.7	31400	46700	40-122%	25	30%	B, Q-11
Acenaphthylene	6060	1790	3580	ug/kg dry	1000	28.7	4610	5080	32-132%	24	30%	Q-11
Anthracene	23400	1790	3580	ug/kg dry	1000	28.7	15400	28100	47-123%	30	30%	Q-11
Benz(a)anthracene	23300	1790	3580	ug/kg dry	1000	28.7	14500	30600	49-126%	34	30%	Q-11
Benzo(a)pyrene	39200	1790	3580	ug/kg dry	1000	28.7	24200	52100	45-129%	34	30%	Q-11
Benzo(b)fluoranthene	31000	1790	3580	ug/kg dry	1000	28.7	19800	38800	45-132%	31	30%	Q-11
Benzo(k)fluoranthene	10700	1790	3580	ug/kg dry	1000	28.7	6420	14800	47-132%	39	30%	Q-11
Benzo(g,h,i)perylene	38400	1790	3580	ug/kg dry	1000	28.7	22100	56900	43-134%	39	30%	Q-11
Chrysene	29400	1790	3580	ug/kg dry	1000	28.7	19900	33000	50-124%	28	30%	Q-11
Dibenz(a,h)anthracene	2740	1790	3580	ug/kg dry	1000	28.7	ND	9540	45-134%	36	30%	J, Q-11
Fluoranthene	104000	1790	3580	ug/kg dry	1000	28.7	67300	130000	50-127%	30	30%	Q-11
Fluorene	16600	1790	3580	ug/kg dry	1000	28.7	10300	21900	43-125%	32	30%	Q-11
Indeno(1,2,3-cd)pyrene	28800	1790	3580	ug/kg dry	1000	28.7	17700	38600	45-133%	36	30%	Q-11
2-Methylnaphthalene	5520	1790	3580	ug/kg dry	1000	28.7	3500	7040	38-122%	21	30%	B, Q-11
Naphthalene	17400	1790	3580	ug/kg dry	1000	28.7	10000	25900	35-123%	28	30%	B, Q-11
Phenanthrene	115000	1790	3580	ug/kg dry	1000	28.7	78400	128000	50-121%	26	30%	B, Q-11
Pyrene	108000	1790	3580	ug/kg dry	1000	28.7	71100	127000	47-127%	22	30%	Q-11
Surr: 2-Fluorobiphenyl (Surr)			Recovery: 124 %	Limits: 44-115 %		Dilution: 1000x						S-05
p-Terphenyl-d14 (Surr)			132 %	54-127 %		"						S-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.



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: A9J0861 - 01 21 20 1225
--	---	--

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 9121092 - PSEP-5310B TOC						Soil						
Blank (9121092-BLK1)			Prepared: 12/18/19 17:16 Analyzed: 12/19/19 19:03									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	ND	---	0.020	% by Weight	1	---	---	---	---	---	---	B-02
LCS (9121092-BS1)			Prepared: 12/18/19 17:16 Analyzed: 12/19/19 19:14									
<u>SM 5310 B MOD</u>												
Total Organic Carbon	10000	---		mg/kg	1	10000	---	105	90-110%	---	---	
Duplicate (9121092-DUP1)			Prepared: 12/18/19 17:16 Analyzed: 12/19/19 19:35									
<u>QC Source Sample: PDI-034SC-A-02-03-191022 (A9J0861-02)</u>												
<u>SM 5310 B MOD</u>												
Total Organic Carbon	0.36	---	0.020	% by Weight	1	---	0.27	---	---	28	20%	H-08, Q-04
Duplicate (9121092-DUP2)			Prepared: 12/18/19 17:16 Analyzed: 12/19/19 21:02									
<u>QC Source Sample: Non-SDG (A9J0903-25)</u>												
Total Organic Carbon	2.0	---	0.020	% by Weight	1	---	2.2	---	---	10	20%	H-08
Duplicate (9121092-DUP3)			Prepared: 12/18/19 17:16 Analyzed: 12/19/19 21:13									
<u>QC Source Sample: Non-SDG (A9J0903-25)</u>												
Total Organic Carbon	1.7	---	0.020	% by Weight	1	---	2.2	---	---	26	20%	H-08, Q-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: A9J0861 - 01 21 20 1225
--	---	--

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 0010131 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (0010131-DUP1)						Prepared: 01/06/20 13:13 Analyzed: 01/17/20 16:47						
<u>QC Source Sample: PDI-034SC-B-00-02-191022 (A9J0861-12)</u>												
<u>SM 2540 G</u>												
Total Solids	61.8	1.00	1.00	% by Weight	1	---	60.8	---	---	2	10%	
Duplicate (0010131-DUP2)						Prepared: 01/06/20 13:13 Analyzed: 01/17/20 16:47						
<u>QC Source Sample: PDI-099SC-B-06-08-191022 (A9J0861-38)</u>												
<u>SM 2540 G</u>												
Total Solids	55.5	1.00	1.00	% by Weight	1	---	55.2	---	---	0.5	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.



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: A9J0861 - 01 21 20 1225
--	---	--

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 9121065 - Total Solids (SM2540G/PSEP)						Sediment						
Duplicate (9121065-DUP1)						Prepared: 12/18/19 11:40 Analyzed: 12/27/19 17:41						
<u>QC Source Sample: PDI-034SC-A-02-03-191022 (A9J0861-02)</u>												
<u>SM 2540 G</u>												
Total Solids	74.8	1.00	1.00	% by Weight	1	---	74.9	---	---	0.2	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:
A9J0861 - 01 21 20 1225

SAMPLE PREPARATION INFORMATION

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: 0010092</u>							
A9J0861-13	Sediment	EPA 8082A	10/22/19 08:34	01/06/20 07:09	30.15g/2mL	30g/2mL	1.00
A9J0861-14	Sediment	EPA 8082A	10/22/19 08:35	01/06/20 07:09	30.17g/2mL	30g/2mL	0.99
A9J0861-31	Sediment	EPA 8082A	10/22/19 14:05	01/06/20 07:09	30.3g/2mL	30g/2mL	0.99
A9J0861-32	Sediment	EPA 8082A	10/22/19 14:05	01/06/20 07:09	30.08g/2mL	30g/2mL	1.00
A9J0861-33	Sediment	EPA 8082A	10/22/19 14:05	01/06/20 07:09	30.36g/2mL	30g/2mL	0.99
A9J0861-34	Sediment	EPA 8082A	10/22/19 14:05	01/06/20 07:09	30.6g/2mL	30g/2mL	0.98
A9J0861-35RE1	Sediment	EPA 8082A	10/22/19 10:48	01/06/20 07:09	30.51g/2mL	30g/2mL	0.98
A9J0861-36	Sediment	EPA 8082A	10/22/19 10:48	01/06/20 07:09	30.11g/2mL	30g/2mL	1.00
A9J0861-37RE1	Sediment	EPA 8082A	10/22/19 10:48	01/06/20 07:09	30.74g/2mL	30g/2mL	0.98
A9J0861-38	Sediment	EPA 8082A	10/22/19 10:48	01/06/20 07:09	30.44g/2mL	30g/2mL	0.99
<u>Batch: 0010536</u>							
A9J0861-12RE1	Sediment	EPA 8082A	10/22/19 08:31	01/17/20 11:12	30.47g/2mL	30g/2mL	0.99
<u>Batch: 9121119</u>							
A9J0861-02	Sediment	EPA 8082A	10/22/19 08:26	12/19/19 10:36	30.43g/2mL	30g/2mL	0.99
A9J0861-03	Sediment	EPA 8082A	10/22/19 08:26	12/19/19 10:36	30.4g/2mL	30g/2mL	0.99

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 0010220</u>							
A9J0861-12RE1	Sediment	EPA 8081B	10/22/19 08:31	01/06/20 13:32	10.69g/20mL	10g/5mL	3.74
A9J0861-13RE1	Sediment	EPA 8081B	10/22/19 08:34	01/06/20 13:32	10.88g/20mL	10g/5mL	3.68
A9J0861-14RE1	Sediment	EPA 8081B	10/22/19 08:35	01/06/20 13:32	10.8g/10mL	10g/5mL	1.85
A9J0861-31RE1	Sediment	EPA 8081B	10/22/19 14:05	01/06/20 13:32	10.78g/20mL	10g/5mL	3.71
A9J0861-32RE1	Sediment	EPA 8081B	10/22/19 14:05	01/06/20 13:32	10.1g/20mL	10g/5mL	3.96
A9J0861-33RE1	Sediment	EPA 8081B	10/22/19 14:05	01/06/20 13:32	10.34g/10mL	10g/5mL	1.93
A9J0861-34RE1	Sediment	EPA 8081B	10/22/19 14:05	01/06/20 13:32	10.21g/20mL	10g/5mL	3.92
A9J0861-35RE1	Sediment	EPA 8081B	10/22/19 10:48	01/06/20 13:32	10.17g/10mL	10g/5mL	1.97
A9J0861-36RE1	Sediment	EPA 8081B	10/22/19 10:48	01/06/20 13:32	10.56g/10mL	10g/5mL	1.89
A9J0861-36RE2	Sediment	EPA 8081B	10/22/19 10:48	01/06/20 13:32	10.56g/10mL	10g/5mL	1.89
A9J0861-37RE2	Sediment	EPA 8081B	10/22/19 10:48	01/06/20 13:32	10.2g/10mL	10g/5mL	1.96
A9J0861-38RE2	Sediment	EPA 8081B	10/22/19 10:48	01/06/20 13:32	10.31g/10mL	10g/5mL	1.94
<u>Batch: 9121450</u>							
A9J0861-02RE1	Sediment	EPA 8081B	10/22/19 08:26	12/20/19 09:46	10.41g/20mL	10g/5mL	3.84

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:
A9J0861 - 01 21 20 1225

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A9J0861-03RE1	Sediment	EPA 8081B	10/22/19 08:26	12/20/19 09:46	10.36g/10mL	10g/5mL	1.93

Polyaromatic Hydrocarbons (PAHs) by EPA 8270D

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9121369							
A9J0861-02	Sediment	EPA 8270D	10/22/19 08:26	12/27/19 12:29	10.28g/5mL	10g/5mL	0.97
A9J0861-03	Sediment	EPA 8270D	10/22/19 08:26	12/27/19 12:29	10.05g/5mL	10g/5mL	1.00

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 9121092							
A9J0861-02	Sediment	SM 5310 B MOD	10/22/19 08:26	12/18/19 17:16			NA
A9J0861-03	Sediment	SM 5310 B MOD	10/22/19 08:26	12/18/19 17:16			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
Batch: 0010131							
A9J0861-12	Sediment	SM 2540 G	10/22/19 08:31	01/06/20 13:13			NA
A9J0861-13	Sediment	SM 2540 G	10/22/19 08:34	01/06/20 13:13			NA
A9J0861-14	Sediment	SM 2540 G	10/22/19 08:35	01/06/20 13:13			NA
A9J0861-31	Sediment	SM 2540 G	10/22/19 14:05	01/06/20 13:13			NA
A9J0861-32	Sediment	SM 2540 G	10/22/19 14:05	01/06/20 13:13			NA
A9J0861-33	Sediment	SM 2540 G	10/22/19 14:05	01/06/20 13:13			NA
A9J0861-34	Sediment	SM 2540 G	10/22/19 14:05	01/06/20 13:13			NA
A9J0861-35	Sediment	SM 2540 G	10/22/19 10:48	01/06/20 13:13			NA
A9J0861-36	Sediment	SM 2540 G	10/22/19 10:48	01/06/20 13:13			NA
A9J0861-37	Sediment	SM 2540 G	10/22/19 10:48	01/06/20 13:13			NA
A9J0861-38	Sediment	SM 2540 G	10/22/19 10:48	01/06/20 13:13			NA
Batch: 9121065							
A9J0861-02	Sediment	SM 2540 G	10/22/19 08:26	12/18/19 11:40			NA
A9J0861-03	Sediment	SM 2540 G	10/22/19 08:26	12/18/19 11:40			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.



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:

A9J0861 - 01 21 20 1225

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

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

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: A9J0861 - 01 21 20 1225
--	---	--

QUALIFIER DEFINITIONS

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

Apex Laboratories

- B** Analyte detected in an associated blank at a level above the MRL. (See Notes and Conventions below.)
- B-02** Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
- C-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.
- H-08** Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- M-05** Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
- P-10** Result estimated due to the presence of multiple PCB Aroclors and/or matrix interference.
- P-11** Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-04** Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
- Q-11** Spike recovery cannot be accurately quantified due to sample dilution required for high analyte concentration and/or matrix interference.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
- Q-29** Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
- Q-41** Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
- 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.

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: A9J0861 - 01 21 20 1225
--	---	--

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: A9J0861 - 01 21 20 1225
--	---	--

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: A9J0861 - 01 21 20 1225
--	---	--

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:
A9J0861 - 01 21 20 1225

COC ID: **A9J0861**
APEX1-20191022-162549
Sample Custodian: **CO, SN, BJ, SS**
Lab: **Apex - Archive**

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab OC*	Test Request	Method	TAT**	Preservative
001	PDI-0345C-A-01-02-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-0345C-A-02-03-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-0345C-A-03-04-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-0345C-A-04-05-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-0345C-A-05-06-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-0345C-A-06-07-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-0345C-A-07-08-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-0345C-A-08-09-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-0345C-A-09-10-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-0345C-A-10-11-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-0345C-A-11-12-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Received By:	Requested By:	Received By:	Requested By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>
Print Name: C. OBEIRO	Print Name: Eli Jemel	Print Name: Eli Jemel	Print Name: Eli Jemel
Company: AQ	Company: APEX LABS	Company: APEX LABS	Company: APEX LABS
Date/Time: 10/23/19 09:50	Date/Time: 10/23/19 09:58	Date/Time: 10/23/19 09:58	Date/Time: 10/23/19 09:58

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

Date Printed: **10/22/2019**

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:

A9J0861 - 01 21 20 1225

COC ID: **A9J0861**
APEX-20191022-162549
Sample Custodian: **CO, SN, BJ, SS**
Lab: **Apex - Archive**

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



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

COC Sample Number	Field Sample ID	Matrix Sample Type	Collected Date	Time	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
011	PDI-034SC-A-11-12-191022	N SE	10/22/2019	8:26	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-034SC-B-00-02-191022	N SE	10/22/2019	8:31	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-034SC-B-02-04-191022	N SE	10/22/2019	8:34	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-034SC-B-04-06-191022	N SE	10/22/2019	8:35	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-034SC-D-06-08-191022	N SE	10/22/2019	8:36	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-063SC-A-09-01-191022	N SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-063SC-A-01-02-191022	N SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-063SC-A-02-03-191022	N SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-063SC-A-03-04-191022	N SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-063SC-A-04-05-191022	N SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-063SC-A-05-06-191022	N SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Received By	Relinquished By	Received By	Relinquished By
Print Name: DELANEY PETERSON	Print Name: RYAN BARTH	Print Name: DELANEY PETERSON	Print Name: RYAN BARTH
Company: ANCHOR QEA	Company: APEX LABS	Company: ANCHOR QEA	Company: APEX LABS
Date/Time: 10/23/19 0950	Date/Time: 10/23/19 1558	Date/Time: 10/23/19 0950	Date/Time: 10/23/19 1558

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

Date Printed: 10/22/2019

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.

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:
A9J0861 - 01 21 20 1225

COC ID: A9J0861
APEX1-20191022-162549
Sample Custodian: CO, SN, BJ, SS
Lab: Apex - Archive

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY



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

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers	Lab #	OC*	Test Request	Method	TAT**	Preservative
021	PDI-0635SC-A-05-06-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-0635SC-A-05-07-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-0635SC-A-07-08-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-0635SC-A-08-09-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-0635SC-A-08-10-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-0635SC-A-10-11-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-0635SC-A-11-12-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-0635SC-A-12-13-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-0635SC-A-13-14-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-0635SC-A-14-15-191022	N	SE	10/22/2019	14:07	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
031	PDI-0635SC-B-00-02-191022	N	SE	10/22/2019	14:05	1		<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Received By	Signature	Print Name	Company	Date/Time	Received By	Signature	Print Name	Company	Date/Time
Delaney Peterson		DELANEY PETERSON	ANCHOR QEA	10/23/19 0950	Ryan Barth		RYAN BARTH	APEX LABS	10/22/2019 1458

Date Printed: 10/22/2019
* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact



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: A9J0861 - 01 21 20 1225
--	--	--

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A9 J0861
 Project/Project #: Gasco PDI Archive

Delivery Info:
 Date/time received: 10/23/19 @ 958 By: EJ
 Delivered by: Apex Client ESS FedEx UPS Swift Senvoy SDS Other

Cooler Inspection Date/time inspected: 10/23/19 @ 1044 By: EJ
 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>2.6</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) (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: 10/23/19 @ 1720 By: AM
 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: AM Witness: CFH Cooler Inspected by: AM 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.

Darwin Thomas

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

A9J0861

Apex Laboratories

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

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

Date Due: 01/02/20 17:00 (46 day TAT)	Date Received: 10/23/19 09:58
Received By: Eli S. Joyner	Date Logged In: 10/23/19 15:04
Logged In By: Cameron L O'Brien	

Cooler #1 received at 2.6°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
A9J0861-01 PDI-034SC-A-01-02-191022 [Sediment] Sampled 10/22/19				
08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
A9J0861-02 PDI-034SC-A-02-03-191022 [Sediment] Sampled 10/22/19				
08:26 (GMT-08:00) Pacific Time (US & Canada) 2 Containers				
Dry Weight				
Dry Weight	01/02/20 17:00	3	04/19/20 08:26	Use Results from TS.. Make NR once completed.
Project Mgmt				
Data Package	02/17/20 17:00	20	01/29/20 08:26	samples pulled from archive on 12-16 per email string - ER
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/02/20 17:00	10	11/05/19 08:26	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/02/20 17:00	10	10/21/20 08:26	+1262,1268
Semivols (Scan)				
8270D LL PAH Only (Scan)	01/02/20 17:00	10	11/05/19 08:26	
Wet Chem				
Solids, Total (SM 2540 G,B)	01/02/20 17:00	10	04/19/20 08:26	Use Results for Dry Weight (Not for Waters)
Total Organic Carbon - Soil (5310 B)	01/02/20 17:00	10	11/19/19 08:26	

A9J0861

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
----------	-----	-----	---------	----------

A9J0861-03 PDI-034SC-A-03-04-191022 [Sediment] Sampled 10/22/19

08:26 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Dry Weight

Dry Weight	01/02/20 17:00	3	04/19/20 08:26	Use Results from TS.. Make NR once completed.
------------	----------------	---	----------------	---

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
--------------------------	----------------	----	----------------	--

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/02/20 17:00	10	11/05/19 08:26	MDL. Use Custom Spike.
-------------------------------	----------------	----	----------------	------------------------

8082 PCBs - Low Level (30g/2mL)	01/02/20 17:00	10	10/21/20 08:26	+1262,1268
---------------------------------	----------------	----	----------------	------------

Semivols (Scan)

8270D LL PAH Only (Scan)	01/02/20 17:00	10	11/05/19 08:26	
--------------------------	----------------	----	----------------	--

Wet Chem

Solids, Total (SM 2540 G,B)	01/02/20 17:00	10	04/19/20 08:26	Use Results for Dry Weight (Not for Waters)
-----------------------------	----------------	----	----------------	---

Total Organic Carbon - Soil (5310 B)	01/02/20 17:00	10	11/19/19 08:26	
--------------------------------------	----------------	----	----------------	--

A9J0861-04 PDI-034SC-A-04-05-191022 [Sediment] Sampled 10/22/19

08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
--------------------------	----------------	----	----------------	--

A9J0861-05 PDI-034SC-A-05-06-191022 [Sediment] Sampled 10/22/19

08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
--------------------------	----------------	----	----------------	--

A9J0861-06 PDI-034SC-A-06-07-191022 [Sediment] Sampled 10/22/19

08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
--------------------------	----------------	----	----------------	--

A9J0861-07 PDI-034SC-A-07-08-191022 [Sediment] Sampled 10/22/19

08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
--------------------------	----------------	----	----------------	--

A9J0861-08 PDI-034SC-A-08-09-191022 [Sediment] Sampled 10/22/19

08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
--------------------------	----------------	----	----------------	--

A9J0861

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
A9J0861-09 PDI-034SC-A-09-10-191022 [Sediment] Sampled 10/22/19				
08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
A9J0861-10 PDI-034SC-A-10-11-191022 [Sediment] Sampled 10/22/19				
08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
A9J0861-11 PDI-034SC-A-11-12-191022 [Sediment] Sampled 10/22/19				
08:26 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:26	
A9J0861-12 PDI-034SC-B-00-02-191022 [Sediment] Sampled 10/22/19				
08:31 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 08:31	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:31	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 08:31	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 08:31	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 08:31	Use Results for Dry Weight (Not for Waters)
A9J0861-13 PDI-034SC-B-02-04-191022 [Sediment] Sampled 10/22/19				
08:34 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 08:34	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:34	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 08:34	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 08:34	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 08:34	Use Results for Dry Weight (Not for Waters)

A9J0861

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
----------	-----	-----	---------	----------

A9J0861-14 PDI-034SC-B-04-06-191022 [Sediment] Sampled 10/22/19

08:35 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 08:35	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:35	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 08:35	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 08:35	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 08:35	Use Results for Dry Weight (Not for Waters)

A9J0861-15 PDI-034SC-D-06-08-191022 [Sediment] Sampled 10/22/19

08:36 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 08:36	

A9J0861-16 PDI-083SC-A-00-01-191022 [Sediment] Sampled 10/22/19

14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	

A9J0861-17 PDI-083SC-A-01-02-191022 [Sediment] Sampled 10/22/19

14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	

A9J0861-18 PDI-083SC-A-02-03-191022 [Sediment] Sampled 10/22/19

14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	

A9J0861-19 PDI-083SC-A-03-04-191022 [Sediment] Sampled 10/22/19

14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	

A9J0861-20 PDI-083SC-A-04-05-191022 [Sediment] Sampled 10/22/19

14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	

A9J0861

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
A9J0861-21 PDI-083SC-A-05-06-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-22 PDI-083SC-A-06-07-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-23 PDI-083SC-A-07-08-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-24 PDI-083SC-A-08-09-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-25 PDI-083SC-A-09-10-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-26 PDI-083SC-A-10-11-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-27 PDI-083SC-A-11-12-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-28 PDI-083SC-A-12-13-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
A9J0861-29 PDI-083SC-A-13-14-191022 [Sediment] Sampled 10/22/19				
14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	

A9J0861

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
----------	-----	-----	---------	----------

A9J0861-30 PDI-083SC-A-14-15-191022 [Sediment] Sampled 10/22/19

14:07 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:07	
--------------------------	----------------	----	----------------	--

A9J0861-31 PDI-083SC-B-00-02-191022 [Sediment] Sampled 10/22/19

14:05 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	01/17/20 17:00	3	04/19/20 14:05	Use Results from TS.. Make NR once completed.
------------	----------------	---	----------------	---

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:05	
--------------------------	----------------	----	----------------	--

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 14:05	MDL. Use Custom Spike.
-------------------------------	----------------	----	----------------	------------------------

8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 14:05	+1262,1268
---------------------------------	----------------	----	----------------	------------

Wet Chem

Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 14:05	Use Results for Dry Weight (Not for Waters)
-----------------------------	----------------	----	----------------	---

A9J0861-32 PDI-083SC-B-02-04-191022 [Sediment] Sampled 10/22/19

14:05 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Dry Weight

Dry Weight	01/17/20 17:00	3	04/19/20 14:05	Use Results from TS.. Make NR once completed.
------------	----------------	---	----------------	---

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:05	
--------------------------	----------------	----	----------------	--

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 14:05	MDL. Use Custom Spike.
-------------------------------	----------------	----	----------------	------------------------

8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 14:05	+1262,1268
---------------------------------	----------------	----	----------------	------------

Wet Chem

Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 14:05	Use Results for Dry Weight (Not for Waters)
-----------------------------	----------------	----	----------------	---

A9J0861-33 PDI-083SC-B-04-06-191022 [Sediment] Sampled 10/22/19

14:05 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Dry Weight

Dry Weight	01/17/20 17:00	3	04/19/20 14:05	Use Results from TS.. Make NR once completed.
------------	----------------	---	----------------	---

Sample Control

Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:05	
--------------------------	----------------	----	----------------	--

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 14:05	MDL. Use Custom Spike.
-------------------------------	----------------	----	----------------	------------------------

8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 14:05	+1262,1268
---------------------------------	----------------	----	----------------	------------

Wet Chem

Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 14:05	Use Results for Dry Weight (Not for Waters)
-----------------------------	----------------	----	----------------	---

A9J0861

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
----------	-----	-----	---------	----------

A9J0861-34 PDI-083SC-B-06-08-191022 [Sediment] Sampled 10/22/19

14:05 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 14:05	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 14:05	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 14:05	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 14:05	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 14:05	Use Results for Dry Weight (Not for Waters)

A9J0861-35 PDI-099SC-B-00-02-191022 [Sediment] Sampled 10/22/19

10:48 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 10:48	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 10:48	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 10:48	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 10:48	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 10:48	Use Results for Dry Weight (Not for Waters)

A9J0861-36 PDI-099SC-B-02-04-191022 [Sediment] Sampled 10/22/19

10:48 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 10:48	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 10:48	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 10:48	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 10:48	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 10:48	Use Results for Dry Weight (Not for Waters)

A9J0861

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
----------	-----	-----	---------	----------

A9J0861-37 PDI-099SC-B-04-06-191022 [Sediment] Sampled 10/22/19

10:48 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 10:48	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 10:48	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 10:48	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 10:48	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 10:48	Use Results for Dry Weight (Not for Waters)

A9J0861-38 PDI-099SC-B-06-08-191022 [Sediment] Sampled 10/22/19

10:48 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Analysis	Due	TAT	Expires	Comments
Dry Weight				
Dry Weight	01/17/20 17:00	3	04/19/20 10:48	Use Results from TS.. Make NR once completed.
Sample Control				
Archive Samples - Frozen	11/05/19 17:00	10	10/23/19 10:48	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/17/20 17:00	10	11/05/19 10:48	MDL. Use Custom Spike.
8082 PCBs - Low Level (30g/2mL)	01/17/20 17:00	10	10/21/20 10:48	+1262,1268
Wet Chem				
Solids, Total (SM 2540 G,B)	01/17/20 17:00	10	04/19/20 10:48	Use Results for Dry Weight (Not for Waters)

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AQ0861
 COC ID: APEX1-20191022-162549

POC: # Delaney Peterson (360-715-2707)

Project: Gasco PDI

COC ID:

APEX1-20191022-162549

1605 Cornwall Avenue, Bellingham, WA 98225

Client: NW Natural

Sample Custodian:

CO, SN, BJ, SS

Lab:

Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-034SC-A-01-02-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
002	PDI-034SC-A-02-03-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
003	PDI-034SC-A-03-04-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
004	PDI-034SC-A-04-05-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
005	PDI-034SC-A-05-06-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
006	PDI-034SC-A-06-07-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
007	PDI-034SC-A-07-08-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
008	PDI-034SC-A-08-09-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
009	PDI-034SC-A-09-10-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
010	PDI-034SC-A-10-11-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
011	PDI-034SC-A-11-12-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: C. OREIRO	Print Name: Eli Taylor	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 10/23/19 0950	Date/Time: 10/23/19 958	Date/Time:	Date/Time:	Date/Time:	Date/Time:

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

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AQJ0861

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191022-162549
Sample Custodian: CO, SN, BJ, SS
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
011	PDI-034SC-A-11-12-191022	N	SE	10/22/2019	8:26	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
012	PDI-034SC-B-00-02-191022	N	SE	10/22/2019	8:31	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
013	PDI-034SC-B-02-04-191022	N	SE	10/22/2019	8:34	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
014	PDI-034SC-B-04-06-191022	N	SE	10/22/2019	8:35	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
015	PDI-034SC-D-06-08-191022	N	SE	10/22/2019	8:36	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
016	PDI-083SC-A-00-01-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
017	PDI-083SC-A-01-02-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
018	PDI-083SC-A-02-03-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
019	PDI-083SC-A-03-04-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
020	PDI-083SC-A-04-05-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
021	PDI-083SC-A-05-06-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: E. OREIRO	Print Name: Eli Joyner	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 10/23/19 0950	Date/Time: 10/23/19 958	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A9J0861

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191022-162549
Sample Custodian: CO, SN, BJ, SS
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
021	PDI-083SC-A-05-06-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
022	PDI-083SC-A-06-07-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
023	PDI-083SC-A-07-08-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
024	PDI-083SC-A-08-09-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
025	PDI-083SC-A-09-10-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
026	PDI-083SC-A-10-11-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
027	PDI-083SC-A-11-12-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
028	PDI-083SC-A-12-13-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
029	PDI-083SC-A-13-14-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
030	PDI-083SC-A-14-15-191022	N	SE	10/22/2019	14:07	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
031	PDI-083SC-B-00-02-191022	N	SE	10/22/2019	14:05	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:

Relinquished By Signature: <i>[Signature]</i>	Received By Signature: <i>[Signature]</i>	Relinquished By Signature: <i>[Signature]</i>	Received By Signature: <i>[Signature]</i>	Relinquished By Signature: <i>[Signature]</i>	Received By Signature: <i>[Signature]</i>
Print Name: <i>COREIRO</i>	Print Name: <i>Eli Joyner</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>AQ</i>	Company: <i>APEX LABS</i>	Company:	Company:	Company:	Company:
Date/Time: <i>10/23/19 0950</i>	Date/Time: <i>10/23/19 958</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A9J0861

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

Project: Gasco PDI
Client: NW Natural

COC ID: APEX1-20191022-162549
Sample Custodian: CO, SN, BJ, SS
Lab: Apex - Archive

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
031	PDI-083SC-B-00-02-191022	N	SE	10/22/2019	14:05	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
032	PDI-083SC-B-02-04-191022	N	SE	10/22/2019	14:05	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
033	PDI-083SC-B-04-06-191022	N	SE	10/22/2019	14:05	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
034	PDI-083SC-B-06-08-191022	N	SE	10/22/2019	14:05	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
035	PDI-099SC-B-00-02-191022	N	SE	10/22/2019	10:48	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
036	PDI-099SC-B-02-04-191022	N	SE	10/22/2019	10:48	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
037	PDI-099SC-B-04-06-191022	N	SE	10/22/2019	10:48	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C
038	PDI-099SC-B-06-08-191022	N	SE	10/22/2019	10:48	1	<input type="checkbox"/>	Archive (APEX)	ARCHIVE	-1	-10°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: C. OREIRO	Print Name: Eli Toyne	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: APEX LABS	Company:	Company:	Company:	Company:
Date/Time: 10/23/19 0950	Date/Time: 10/23/19 158	Date/Time:	Date/Time:	Date/Time:	Date/Time:

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A9 10861

Project/Project #: Gasco PDI Archive

Delivery Info:

Date/time received: 10/23/19 @ 958 By: EJ

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

Cooler Inspection Date/time inspected: 10/23/19 @ 1044 By: EJ

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

Signed/dated by client? Yes No

Signed/dated by Apex? Yes No

	<u>Cooler #1</u>	<u>Cooler #2</u>	<u>Cooler #3</u>	<u>Cooler #4</u>	<u>Cooler #5</u>	<u>Cooler #6</u>	<u>Cooler #7</u>
Temperature (°C)	<u>2.6</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition:	<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: 10/23/19 @ 1720 By: AM

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

Comments: _____

Additional information:

Labeled by: AM Witness: CFH Cooler Inspected by: AM See Project Contact Form: Y

CLP-Like Forms

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 C

Client Sample Id:	Lab Sample Id:	Matrix
<u>PDI-034SC-A-02-03-191022</u>	<u>A9J0861-02</u>	<u>Sediment</u>
<u>PDI-034SC-A-03-04-191022</u>	<u>A9J0861-03</u>	<u>Sediment</u>
<u>PDI-034SC-B-00-02-191022</u>	<u>A9J0861-12</u>	<u>Sediment</u>
<u>PDI-034SC-B-02-04-191022</u>	<u>A9J0861-13</u>	<u>Sediment</u>
<u>PDI-034SC-B-04-06-191022</u>	<u>A9J0861-14</u>	<u>Sediment</u>
<u>PDI-083SC-B-00-02-191022</u>	<u>A9J0861-31</u>	<u>Sediment</u>
<u>PDI-083SC-B-02-04-191022</u>	<u>A9J0861-32</u>	<u>Sediment</u>
<u>PDI-083SC-B-04-06-191022</u>	<u>A9J0861-33</u>	<u>Sediment</u>
<u>PDI-083SC-B-06-08-191022</u>	<u>A9J0861-34</u>	<u>Sediment</u>
<u>PDI-099SC-B-00-02-191022</u>	<u>A9J0861-35</u>	<u>Sediment</u>
<u>PDI-099SC-B-02-04-191022</u>	<u>A9J0861-36</u>	<u>Sediment</u>
<u>PDI-099SC-B-04-06-191022</u>	<u>A9J0861-37</u>	<u>Sediment</u>
<u>PDI-099SC-B-06-08-191022</u>	<u>A9J0861-38</u>	<u>Sediment</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: _____

2/3/2020 12:58PM

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-034SC-A-02-03-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-02</u>	File ID: <u>ECD2F032.D</u>
Sampled: <u>10/22/19 08:26</u>	Prepared: <u>12/19/19 10:36</u>	Analyzed: <u>12/26/19 16:54</u>
Solids: <u>74.94</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.43 g / 2 mL</u>
Batch: <u>9121119</u>	Sequence: <u>9L26011</u>	Calibration: <u>A9L0407</u>
		Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.881	U
11104-28-2	Aroclor 1221	1	0.881	U
11141-16-5	Aroclor 1232	1	1.75	U
53469-21-9	Aroclor 1242	1	1.75	U
12672-29-6	Aroclor 1248	1	0.881	U
11097-69-1	Aroclor 1254	1	0.881	U
11096-82-5	Aroclor 1260	1	0.881	U
37324-23-5	Aroclor 1262	1	0.881	U
11100-14-4	Aroclor 1268	1	0.881	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	21.9	12.9	59	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-034SC-A-03-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-03</u>	File ID: <u>ECD2R020.D</u>
Sampled: <u>10/22/19 08:26</u>	Prepared: <u>12/19/19 10:36</u>	Analyzed: <u>12/26/19 13:22</u>
Solids: <u>74.71</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.4 g / 2 mL</u>
Batch: <u>9121119</u>	Sequence: <u>9L26012</u>	Calibration: <u>A9J2803</u>
		Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.885	U
11104-28-2	Aroclor 1221	1	0.885	U
11141-16-5	Aroclor 1232	1	0.885	U
53469-21-9	Aroclor 1242	1	0.885	U
12672-29-6	Aroclor 1248	1	0.885	U
11097-69-1	Aroclor 1254	1	0.885	U
11096-82-5	Aroclor 1260	1	0.885	U
37324-23-5	Aroclor 1262	1	0.885	U
11100-14-4	Aroclor 1268	1	0.885	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	22.0	20.0	91	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-034SC-B-00-02-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-12RE1</u>	File ID: <u>ECD2R004.D</u>
Sampled: <u>10/22/19 08:31</u>	Prepared: <u>01/17/20 11:12</u>	Analyzed: <u>01/20/20 08:34</u>
Solids: <u>60.76</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.47 g / 2 mL</u>
Batch: <u>0010536</u>	Sequence: <u>0A20023</u>	Calibration: <u>A0A1501</u> Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.09	U
11104-28-2	Aroclor 1221	1	1.09	U
11141-16-5	Aroclor 1232	1	1.09	U
53469-21-9	Aroclor 1242	1	10.7	
12672-29-6	Aroclor 1248	1	1.09	U
11097-69-1	Aroclor 1254	1	44.9	
11096-82-5	Aroclor 1260	1	10.0	
37324-23-5	Aroclor 1262	1	1.09	U
11100-14-4	Aroclor 1268	1	1.09	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	27.0	11.0	41	43 - 120	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-034SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-13</u>	File ID: <u>ECD2R010.D</u>
Sampled: <u>10/22/19 08:34</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 10:07</u>
Solids: <u>74.86</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.15 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15025</u>	Calibration: <u>A0A1501</u> Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.891	U
11104-28-2	Aroclor 1221	1	0.891	U
11141-16-5	Aroclor 1232	1	0.891	U
53469-21-9	Aroclor 1242	1	0.891	U
12672-29-6	Aroclor 1248	1	0.891	U
11097-69-1	Aroclor 1254	1	0.891	U
11096-82-5	Aroclor 1260	1	0.891	U
37324-23-5	Aroclor 1262	1	0.891	U
11100-14-4	Aroclor 1268	1	0.891	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	22.2	13.9	63	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-034SC-B-04-06-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-14</u>	File ID: <u>ECD2R012.D</u>
Sampled: <u>10/22/19 08:35</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 10:42</u>
Solids: <u>87.25</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.17 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15025</u>	Calibration: <u>A0A1501</u> Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	0.764	U
11104-28-2	Aroclor 1221	1	0.764	U
11141-16-5	Aroclor 1232	1	0.764	U
53469-21-9	Aroclor 1242	1	0.764	U
12672-29-6	Aroclor 1248	1	0.764	U
11097-69-1	Aroclor 1254	1	0.764	U
11096-82-5	Aroclor 1260	1	0.764	U
37324-23-5	Aroclor 1262	1	0.764	U
11100-14-4	Aroclor 1268	1	0.764	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	19.0	16.3	86	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-083SC-B-00-02-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-31</u>	File ID: <u>ECD2R014.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 11:18</u>
Solids: <u>57.14</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.3 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15025</u>	Calibration: <u>A0A1501</u>
		Instrument: <u>DUALECD2R</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	5	5.80	U
11104-28-2	Aroclor 1221	5	5.80	U
11141-16-5	Aroclor 1232	5	5.80	U
53469-21-9	Aroclor 1242	5	5.80	U
12672-29-6	Aroclor 1248	5	5.80	U
11097-69-1	Aroclor 1254	5	51.1	U
11096-82-5	Aroclor 1260	5	36.6	D
37324-23-5	Aroclor 1262	5	5.80	U
11100-14-4	Aroclor 1268	5	5.80	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	28.9	24.1	83	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-083SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-32</u>	File ID: <u>ECD2F018.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 12:41</u>
Solids: <u>58.67</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.08 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15024</u>	Calibration: <u>A9L0407</u>
		Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	4.08	U
11104-28-2	Aroclor 1221	1	3.74	U
11141-16-5	Aroclor 1232	1	10.4	U
53469-21-9	Aroclor 1242	1	5.61	U
12672-29-6	Aroclor 1248	1	10.4	U
11097-69-1	Aroclor 1254	1	17.5	U
11096-82-5	Aroclor 1260	1	13.6	
37324-23-5	Aroclor 1262	1	1.14	U
11100-14-4	Aroclor 1268	1	1.14	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	28.3	17.4	61	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-083SC-B-04-06-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-33</u>	File ID: <u>ECD2F020.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 13:17</u>
Solids: <u>60.22</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.36 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15024</u>	Calibration: <u>A9L0407</u>
		Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	4.10	U
11104-28-2	Aroclor 1221	1	2.18	U
11141-16-5	Aroclor 1232	1	8.86	U
53469-21-9	Aroclor 1242	1	5.58	U
12672-29-6	Aroclor 1248	1	13.8	U
11097-69-1	Aroclor 1254	1	21.0	U
11096-82-5	Aroclor 1260	1	29.2	
37324-23-5	Aroclor 1262	1	1.10	U
11100-14-4	Aroclor 1268	1	1.10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	27.3	20.7	76	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-083SC-B-06-08-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-34</u>	File ID: <u>ECD2F022.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 13:52</u>
Solids: <u>59.35</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.6 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15024</u>	Calibration: <u>A9L0407</u> Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	4.29	U
11104-28-2	Aroclor 1221	1	2.48	U
11141-16-5	Aroclor 1232	1	11.6	U
53469-21-9	Aroclor 1242	1	8.26	U
12672-29-6	Aroclor 1248	1	15.4	U
11097-69-1	Aroclor 1254	1	17.0	U
11096-82-5	Aroclor 1260	1	12.3	
37324-23-5	Aroclor 1262	1	1.11	U
11100-14-4	Aroclor 1268	1	1.11	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	27.5	17.4	63	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-099SC-B-00-02-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-35RE1</u>	File ID: <u>ECD2F006.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/17/20 11:20</u>
Solids: <u>61.23</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.51 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A17007</u>	Calibration: <u>A9L0407</u> Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	5	39.3	U
11104-28-2	Aroclor 1221	5	44.2	U
11141-16-5	Aroclor 1232	5	105	U
53469-21-9	Aroclor 1242	5	54.6	U
12672-29-6	Aroclor 1248	5	5.38	U
11097-69-1	Aroclor 1254	5	47.7	D
11096-82-5	Aroclor 1260	5	32.4	D
37324-23-5	Aroclor 1262	5	5.38	U
11100-14-4	Aroclor 1268	5	5.38	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	26.8	23.4	88	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-099SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-36</u>	File ID: <u>ECD2F026.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/15/20 15:03</u>
Solids: <u>55.11</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.11 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A15024</u>	Calibration: <u>A9L0407</u> Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	5.79	U
11104-28-2	Aroclor 1221	1	2.40	U
11141-16-5	Aroclor 1232	1	15.5	U
53469-21-9	Aroclor 1242	1	8.14	U
12672-29-6	Aroclor 1248	1	25.7	U
11097-69-1	Aroclor 1254	1	23.3	U
11096-82-5	Aroclor 1260	1	19.6	
37324-23-5	Aroclor 1262	1	1.21	U
11100-14-4	Aroclor 1268	1	1.21	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	30.1	27.7	92	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-099SC-B-04-06-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-37RE1</u>	File ID: <u>ECD2F008.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/17/20 11:55</u>
Solids: <u>57.95</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.74 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A17007</u>	Calibration: <u>A9L0407</u> Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	5	11.2	U
11104-28-2	Aroclor 1221	5	5.64	U
11141-16-5	Aroclor 1232	5	21.1	U
53469-21-9	Aroclor 1242	5	11.2	U
12672-29-6	Aroclor 1248	5	34.5	U
11097-69-1	Aroclor 1254	5	82.5	U
11096-82-5	Aroclor 1260	5	53.5	D
37324-23-5	Aroclor 1262	5	5.64	U
11100-14-4	Aroclor 1268	5	5.64	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	28.1	22.3	80	43 - 120	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

PDI-099SC-B-06-08-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-38</u>	File ID: <u>ECD2F023.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 07:09</u>	Analyzed: <u>01/16/20 14:06</u>
Solids: <u>55.24</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>30.44 g / 2 mL</u>
Batch: <u>0010092</u>	Sequence: <u>0A16014</u>	Calibration: <u>A9L0407</u> Instrument: <u>DUALECD2F</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	1.20	U
11104-28-2	Aroclor 1221	1	2.37	U
11141-16-5	Aroclor 1232	1	2.37	U
53469-21-9	Aroclor 1242	1	1.20	U
12672-29-6	Aroclor 1248	1	3.03	U
11097-69-1	Aroclor 1254	1	6.96	U
11096-82-5	Aroclor 1260	1	10.8	
37324-23-5	Aroclor 1262	1	1.20	U
11100-14-4	Aroclor 1268	1	1.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	29.7	18.7	63	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: 0010092

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0010092-BLK1	ECD2R004.D	01/06/20 07:09	
LCS	0010092-BS1	ECD2R005.D	01/06/20 07:09	
PDI-034SC-B-02-04-191022	A9J0861-13	ECD2R010.D	01/06/20 07:09	
PDI-034SC-B-04-06-191022	A9J0861-14	ECD2R012.D	01/06/20 07:09	
PDI-083SC-B-00-02-191022	A9J0861-31	ECD2R014.D	01/06/20 07:09	
PDI-083SC-B-02-04-191022	A9J0861-32	ECD2F018.D	01/06/20 07:09	
PDI-083SC-B-04-06-191022	A9J0861-33	ECD2F020.D	01/06/20 07:09	
PDI-083SC-B-06-08-191022	A9J0861-34	ECD2F022.D	01/06/20 07:09	
PDI-099SC-B-00-02-191022	A9J0861-35RE1	ECD2F006.D	01/06/20 07:09	
PDI-099SC-B-02-04-191022	A9J0861-36	ECD2F026.D	01/06/20 07:09	
PDI-099SC-B-04-06-191022	A9J0861-37RE1	ECD2F008.D	01/06/20 07:09	
PDI-099SC-B-06-08-191022	A9J0861-38	ECD2F023.D	01/06/20 07:09	

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.

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: 0010536

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0010536-BLK1	ECD2F004.D	01/17/20 11:12	
LCS	0010536-BS1	ECD2F005.D	01/17/20 11:12	
LCS Dup	0010536-BSD1	ECD2F006.D	01/17/20 11:12	
PDI-034SC-B-00-02-191022	A9J0861-12RE1	ECD2R004.D	01/17/20 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 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: 9121119

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	9121119-BLK1	ECD2R005.D	12/19/19 10:36	
LCS	9121119-BS1	ECD2R006.D	12/19/19 10:36	
PDI-034SC-A-02-03-191022	A9J0861-02	ECD2F032.D	12/19/19 10:36	
PDI-034SC-A-03-04-191022	A9J0861-03	ECD2R020.D	12/19/19 10:36	

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 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>0010092-BLK1</u>	File ID: <u>ECD2R004.D</u>
Prepared: <u>01/06/20 07:09</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>
Analyzed: <u>01/15/20 08:17</u>	Instrument: <u>DUALECD2R</u>	
Batch: <u>0010092</u>	Sequence: <u>0A15025</u>	Calibration: <u>A0A1501</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	15.1	93	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>0010536-BLK1</u>	File ID: <u>ECD2F004.D</u>
Prepared: <u>01/17/20 11:12</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>
Analyzed: <u>01/20/20 08:34</u>	Instrument: <u>DUALECD2F</u>	
Batch: <u>0010536</u>	Sequence: <u>0A20022</u>	Calibration: <u>A9L0407</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	15.8	98	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>9121119-BLK1</u>	File ID: <u>ECD2R005.D</u>
Prepared: <u>12/19/19 10:36</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>31 g / 2 mL</u>
Analyzed: <u>12/26/19 08:55</u>	Instrument: <u>DUALECD2R</u>	
Batch: <u>9121119</u>	Sequence: <u>9L26012</u>	Calibration: <u>A9J2803</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	9.31	58	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: 0010092

Laboratory ID: 0010092-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	49.0	59	47 - 134
Aroclor 1260	83.3	65.6	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: 0010536

Laboratory ID: 0010536-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	57.8	69	47 - 134
Aroclor 1260	83.3	73.5	88	53 - 140

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

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>
Matrix: <u>Sediment</u>	
Batch: <u>0010536</u>	Laboratory ID: <u>0010536-BSD1</u>
Preparation: <u>EPA 3546</u>	Initial/Final: <u>30 g / 2 mL</u>

COMPOUND	SPIKE ADDED (ug/kg wet)	LCSD CONCENTRATION (ug/kg wet)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	
Aroclor 1016	83.3	58.7	70	1	30	47 - 134
Aroclor 1260	83.3	74.1	89	0.8	30	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: 9121119

Laboratory ID: 9121119-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	45.4	54	47 - 134
Aroclor 1260	83.3	75.7	91	53 - 140

* = 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: 0A13050

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0A1501

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0A13050-ICB1	ECD2R004.D	01/13/20 17:15
Cal Standard	0A13050-CAL1	ECD2R005.D	01/13/20 17:33
Cal Standard	0A13050-CAL2	ECD2R006.D	01/13/20 17:50
Cal Standard	0A13050-CAL3	ECD2R007.D	01/13/20 18:08
Cal Standard	0A13050-CAL4	ECD2R008.D	01/13/20 18:25
Cal Standard	0A13050-CAL5	ECD2R009.D	01/13/20 18:43
Cal Standard	0A13050-CAL6	ECD2R010.D	01/13/20 19:01
Cal Standard	0A13050-CAL7	ECD2R011.D	01/13/20 19:18
Initial Cal Check	0A13050-ICV1	ECD2R013.D	01/13/20 19:54
Cal Standard	0A13050-CAL8	ECD2R014.D	01/13/20 20:11
Cal Standard	0A13050-CAL9	ECD2R015.D	01/13/20 20:29
Cal Standard	0A13050-CALA	ECD2R016.D	01/13/20 20:46
Cal Standard	0A13050-CALB	ECD2R017.D	01/13/20 21:04
Cal Standard	0A13050-CALC	ECD2R018.D	01/13/20 21:22
Cal Standard	0A13050-CALD	ECD2R019.D	01/13/20 21:39
Cal Standard	0A13050-CALE	ECD2R020.D	01/13/20 21:57
Initial Cal Check	0A13050-ICV2	ECD2R021.D	01/13/20 22:15
Initial Cal Check	0A13050-ICV3	ECD2R022.D	01/13/20 22:32
Initial Cal Check	0A13050-ICV4	ECD2R023.D	01/13/20 22:50
Initial Cal Check	0A13050-ICV5	ECD2R025.D	01/14/20 08:02

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: 0A15024

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A9L0407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A15024-CCV1	ECD2F002.D	01/15/20 07:42
Calibration Blank	0A15024-CCB1	ECD2F003.D	01/15/20 08:00
Calibration Check	0A15024-CCV2	ECD2F016.D	01/15/20 11:53
Calibration Blank	0A15024-CCB2	ECD2F017.D	01/15/20 12:11
PDI-083SC-B-02-04-191022	A9J0861-32	ECD2F018.D	01/15/20 12:41
PDI-083SC-B-04-06-191022	A9J0861-33	ECD2F020.D	01/15/20 13:17
PDI-083SC-B-06-08-191022	A9J0861-34	ECD2F022.D	01/15/20 13:52
PDI-099SC-B-02-04-191022	A9J0861-36	ECD2F026.D	01/15/20 15:03
Calibration Check	0A15024-CCV3	ECD2F028.D	01/15/20 15:38
Calibration Blank	0A15024-CCB3	ECD2F029.D	01/15/20 15:55

Note: Client samples are listed only if they are included in this report.

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

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: 0A15025

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0A1501

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A15025-CCV1	ECD2R002.D	01/15/20 07:42
Calibration Blank	0A15025-CCB1	ECD2R003.D	01/15/20 08:00
Blank	0010092-BLK1	ECD2R004.D	01/15/20 08:17
LCS	0010092-BS1	ECD2R005.D	01/15/20 08:35
PDI-034SC-B-02-04-191022	A9J0861-13	ECD2R010.D	01/15/20 10:07
PDI-034SC-B-04-06-191022	A9J0861-14	ECD2R012.D	01/15/20 10:42
PDI-083SC-B-00-02-191022	A9J0861-31	ECD2R014.D	01/15/20 11:18
Calibration Check	0A15025-CCV2	ECD2R016.D	01/15/20 11:53
Calibration Blank	0A15025-CCB2	ECD2R017.D	01/15/20 12:11
Calibration Check	0A15025-CCV3	ECD2R028.D	01/15/20 15:38
Calibration Blank	0A15025-CCB3	ECD2R029.D	01/15/20 15:55

Note: Client samples are listed only if they are included in this report.

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

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: 0A16014

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A9L0407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A16014-CCV1	ECD2F002.D	01/16/20 07:56
Calibration Blank	0A16014-CCB1	ECD2F003.D	01/16/20 08:13
Calibration Check	0A16014-CCV2	ECD2F011.D	01/16/20 10:34
Calibration Blank	0A16014-CCB2	ECD2F012.D	01/16/20 10:52
Calibration Check	0A16014-CCV3	ECD2F019.D	01/16/20 12:56
Calibration Blank	0A16014-CCB3	ECD2F020.D	01/16/20 13:13
PDI-099SC-B-06-08-191022	A9J0861-38	ECD2F023.D	01/16/20 14:06
Calibration Check	0A16014-CCV4	ECD2F029.D	01/16/20 15:52
Calibration Blank	0A16014-CCB4	ECD2F030.D	01/16/20 16:10

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: 0A17007

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A9L0407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A17007-CCV1	ECD2F003.D	01/17/20 08:28
Calibration Blank	0A17007-CCB1	ECD2F004.D	01/17/20 08:46
PDI-099SC-B-00-02-191022	A9J0861-35RE1	ECD2F006.D	01/17/20 11:20
PDI-099SC-B-04-06-191022	A9J0861-37RE1	ECD2F008.D	01/17/20 11:55
Calibration Check	0A17007-CCV2	ECD2F010.D	01/17/20 12:30
Calibration Blank	0A17007-CCB2	ECD2F011.D	01/17/20 12:48

Note: Client samples are listed only if they are included in this report.

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

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: 0A20022

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A9L0407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A20022-CCV1	ECD2F002.D	01/20/20 07:59
Calibration Blank	0A20022-CCB1	ECD2F003.D	01/20/20 08:16
Blank	0010536-BLK1	ECD2F004.D	01/20/20 08:34
LCS	0010536-BS1	ECD2F005.D	01/20/20 08:52
LCS Dup	0010536-BSD1	ECD2F006.D	01/20/20 09:09
Calibration Check	0A20022-CCV2	ECD2F009.D	01/20/20 10:02
Calibration Blank	0A20022-CCB2	ECD2F010.D	01/20/20 10:20

Note: Client samples are listed only if they are included in this report.

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

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: 0A20023

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A0A1501

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A20023-CCV1	ECD2R002.D	01/20/20 07:59
Calibration Blank	0A20023-CCB1	ECD2R003.D	01/20/20 08:16
PDI-034SC-B-00-02-191022	A9J0861-12RE1	ECD2R004.D	01/20/20 08:34
Calibration Check	0A20023-CCV2	ECD2R010.D	01/20/20 10:20
Calibration Blank	0A20023-CCB2	ECD2R011.D	01/20/20 10:37

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>9J25014</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9J2803</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	9J25014-ICB1	ECD2R003.D	10/25/19 08:01
Cal Standard	9J25014-CAL1	ECD2R004.D	10/25/19 08:19
Cal Standard	9J25014-CAL2	ECD2R005.D	10/25/19 08:37
Cal Standard	9J25014-CAL3	ECD2R006.D	10/25/19 08:54
Cal Standard	9J25014-CAL4	ECD2R007.D	10/25/19 09:12
Cal Standard	9J25014-CAL5	ECD2R008.D	10/25/19 09:29
Cal Standard	9J25014-CAL6	ECD2R009.D	10/25/19 09:47
Cal Standard	9J25014-CAL7	ECD2R010.D	10/25/19 10:05
Initial Cal Check	9J25014-ICV1	ECD2R012.D	10/25/19 10:40
Cal Standard	9J25014-CAL8	ECD2R013.D	10/25/19 10:58
Cal Standard	9J25014-CAL9	ECD2R014.D	10/25/19 11:15
Cal Standard	9J25014-CALA	ECD2R015.D	10/25/19 11:33
Cal Standard	9J25014-CALB	ECD2R016.D	10/25/19 11:50
Cal Standard	9J25014-CALC	ECD2R017.D	10/25/19 12:08
Cal Standard	9J25014-CALD	ECD2R018.D	10/25/19 12:26
Cal Standard	9J25014-CALE	ECD2R019.D	10/25/19 12:43
Initial Cal Check	9J25014-ICV2	ECD2R020.D	10/25/19 13:02
Initial Cal Check	9J25014-ICV3	ECD2R021.D	10/25/19 13:20
Initial Cal Check	9J25014-ICV4	ECD2R022.D	10/25/19 13:37
Initial Cal Check	9J25014-ICV5	ECD2R023.D	10/25/19 13:55

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

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>9L03052</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	9L03052-ICB1	ECD2F002.D	12/03/19 16:47
Cal Standard	9L03052-CAL1	ECD2F003.D	12/03/19 17:04
Cal Standard	9L03052-CAL2	ECD2F004.D	12/03/19 17:22
Cal Standard	9L03052-CAL3	ECD2F005.D	12/03/19 17:40
Cal Standard	9L03052-CAL4	ECD2F006.D	12/03/19 17:57
Cal Standard	9L03052-CAL5	ECD2F007.D	12/03/19 18:15
Cal Standard	9L03052-CAL6	ECD2F008.D	12/03/19 18:32
Cal Standard	9L03052-CAL7	ECD2F009.D	12/03/19 18:50
Initial Cal Check	9L03052-ICV1	ECD2F011.D	12/03/19 19:25
Cal Standard	9L03052-CAL8	ECD2F012.D	12/03/19 19:43
Cal Standard	9L03052-CAL9	ECD2F013.D	12/03/19 20:01
Cal Standard	9L03052-CALA	ECD2F014.D	12/03/19 20:18
Cal Standard	9L03052-CALB	ECD2F015.D	12/03/19 20:36
Cal Standard	9L03052-CALC	ECD2F016.D	12/03/19 20:53
Cal Standard	9L03052-CALD	ECD2F017.D	12/03/19 21:11
Cal Standard	9L03052-CALE	ECD2F018.D	12/03/19 21:29
Initial Cal Check	9L03052-ICV2	ECD2F019.D	12/03/19 21:46
Initial Cal Check	9L03052-ICV3	ECD2F020.D	12/03/19 22:04
Initial Cal Check	9L03052-ICV4	ECD2F021.D	12/03/19 22:21
Initial Cal Check	9L03052-ICV5	ECD2F022.D	12/03/19 22:39

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

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: 9L26011

Instrument: DUALECD2F

Matrix: Sediment

Calibration: A9L0407

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	9L26011-CCV1	ECD2F003.D	12/26/19 08:07
Calibration Blank	9L26011-CCB1	ECD2F004.D	12/26/19 08:25
Calibration Check	9L26011-CCV2	ECD2F018.D	12/26/19 12:45
Calibration Blank	9L26011-CCB2	ECD2F019.D	12/26/19 13:02
PDI-034SC-A-02-03-191022	A9J0861-02	ECD2F032.D	12/26/19 16:54
Calibration Check	9L26011-CCV3	ECD2F034.D	12/26/19 17:29
Calibration Blank	9L26011-CCB3	ECD2F035.D	12/26/19 17:47

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

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: 9L26012

Instrument: DUALECD2R

Matrix: Sediment

Calibration: A9J2803

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	9L26012-CCV1	ECD2R003.D	12/26/19 08:07
Calibration Blank	9L26012-CCB1	ECD2R004.D	12/26/19 08:25
Blank	9121119-BLK1	ECD2R005.D	12/26/19 08:55
LCS	9121119-BS1	ECD2R006.D	12/26/19 09:13
Calibration Check	9L26012-CCV2	ECD2R017.D	12/26/19 12:27
Calibration Blank	9L26012-CCB2	ECD2R018.D	12/26/19 12:45
PDI-034SC-A-03-04-191022	A9J0861-03	ECD2R020.D	12/26/19 13:22
Calibration Check	9L26012-CCV3	ECD2R034.D	12/26/19 17:29
Calibration Blank	9L26012-CCB3	ECD2R035.D	12/26/19 17:47

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.

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: A0A1501

Date: 01/15/20 08:26

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)	111223.7	Ave	7.396349	10.55114	1.281006E-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: A0A1501

Instrument: DUALECD2R

Calibration Date: 01/15/20 08:26

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	7263.95	50	6876.42	100	6397.28	200	5954.215	500	5671.72	1000	5624.087
1016 (2)	20	12472.9	50	11959.92	100	11426.6	200	11672.72	500	10968.62	1000	11025.44
1016 (3)	20	5801.75	50	5801.38	100	5369.91	200	5336.32	500	5077.81	1000	5145.954
1016 (4)	20	5870.45	50	5570.68	100	5194.09	200	4909.52	500	4406.78	1000	4338.878
1016 (5)	20	6568.75	50	6158.62	100	5693.13	200	5381.97	500	5073.978	1000	5224.293
1016 (6)	20	6760.6	50	6310.16	100	5881.35	200	5800.32	500	5147.766	1000	5149.713
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	11821.5	50	10819.18	100	10604.65	200	10466.11	500	10161.83	1000	10123.09
1260 (2)	20	14049.55	50	13128.22	100	13214.6	200	12556.99	500	12304.63	1000	12298.76
1260 (3)	20	14118	50	13483.44	100	13273.38	200	13721.19	500	13080.06	1000	12961.67
1260 (4)	20	20729.65	50	20959.06	100	20510.63	200	21259.37	500	20993.46	1000	21886.59
1260 (5)	20	12895.05	50	12167.28	100	12204.07	200	12359.45	500	12141.69	1000	12074.36
1260 (6)	20	5118.75	50	5238.06	100	4788.51	200	5044.68	500	4784.452	1000	4594.659
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	107063.8	25	110239.3	50	107929.1	100	108917.2	250	100873.3	500	117191.4

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: A0A1501

Instrument: DUALECD2R

Matrix:

Calibration Date: 01/15/20 08:26

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	5486.193										
1016 (2)	1500	10563.24										
1016 (3)	1500	4962.429										
1016 (4)	1500	4294.934										
1016 (5)	1500	4717.885										
1016 (6)	1500	4938.143										
Aroclor 1016	1500	ϕ										
1254 (1)											500	8473.848
1254 (2)											500	13909.83
1254 (3)											500	15174.34
1254 (4)											500	10916.49
1254 (5)											500	11248.66
1254 (6)											500	3527.182
Aroclor 1254											500	ϕ
1260 (1)	1500	9698.7										
1260 (2)	1500	11784.49										
1260 (3)	1500	12190.36										
1260 (4)	1500	21728.56										
1260 (5)	1500	11801.18										
1260 (6)	1500	4590.586										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	126351.8	200	ϕ	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: AOA1501

Instrument: DUALECD2R

Matrix:

Calibration Date: 01/15/20 08:26

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	10571.7										
1262 (2)	500	15277.51										
1262 (3)	500	12804.2										
1262 (4)	500	27524.62										
1262 (5)	500	16419.55										
1262 (6)	500	7200.532										
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: A9J2803

Date: 10/28/19 10:35

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)	146790.4	Ave	11.13687	10.701	1.830451E-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: A9J2803

Instrument: DUALECD2R

Calibration Date: 10/28/19 10:35

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	10151.75	50	9873.36	100	9252.01	200	8409.495	500	8085.348	1000	8009.226
1016 (2)	20	17127.45	50	17019.64	100	16922.74	200	14752.13	500	16080.45	1000	15600.02
1016 (3)	20	8502.2	50	7706.02	100	7552.46	200	6698.305	500	7013.236	1000	6715.654
1016 (4)	20	8857.6	50	8177.26	100	7725.78	200	6856.835	500	6887.656	1000	6545.978
1016 (5)	20	9451.25	50	9136.26	100	8479.32	200	7726.305	500	7875.734	1000	7260.053
1016 (6)	20	9586.85	50	9057.04	100	8470.87	200	7444.98	500	7904.344	1000	7304.27
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	16856.95	50	16484.42	100	15672.69	200	14707.76	500	15695	1000	14942.24
1260 (2)	20	20667.25	50	20515.12	100	19956.6	200	17709.33	500	20277.4	1000	17867.44
1260 (3)	20	20916.7	50	21060.16	100	19854.47	200	19120.24	500	20134.36	1000	19036.7
1260 (4)	20	30933.1	50	30992.52	100	30699.8	200	28633.93	500	29992.72	1000	31228.51
1260 (5)	20	18057.85	50	18606.18	100	17472.57	200	16459	500	17949.59	1000	17681.7
1260 (6)	20	7430.6	50	7501.98	100	6942.4	200	6147.22	500	6473.054	1000	6505.242
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	131865.9	25	140307.6	50	137335.2	100	135426.9	250	151305.7	500	151703.6

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: A9J2803

Instrument: DUALECD2R

Matrix:

Calibration Date: 10/28/19 10:35

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	8400.486										
1016 (2)	1500	17040.45										
1016 (3)	1500	7372.987										
1016 (4)	1500	7150.067										
1016 (5)	1500	7828.54										
1016 (6)	1500	7849.247										
Aroclor 1016	1500	ϕ										
1254 (1)											500	12925.06
1254 (2)											500	20247.58
1254 (3)											500	21427.7
1254 (4)											500	16516.58
1254 (5)											500	15693.16
1254 (6)											500	4890.148
Aroclor 1254											500	ϕ
1260 (1)	1500	16121.04										
1260 (2)	1500	20022.96										
1260 (3)	1500	20802.53										
1260 (4)	1500	34142.69										
1260 (5)	1500	19053.46										
1260 (6)	1500	7289.34										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	179588.1	200	ϕ	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: A9J2803

Instrument: DUALECD2R

Matrix:

Calibration Date: 10/28/19 10:35

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	15133.52										
1262 (2)	500	21154.26										
1262 (3)	500	17468.28										
1262 (4)	500	35809.34										
1262 (5)	500	21964.82										
1262 (6)	500	9700.53										
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: A9L0407

Date: 12/04/19 16:35

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)	111675.2	Ave	5.500462	9.577571	1.534808E-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: A9L0407

Instrument: DUALECD2F

Calibration Date: 12/04/19 16:35

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	20	4495.2	50	3868.58	100	3742.24	200	3518.675	500	3742.964	1000	3364.096
1016 (2)	20	8055.7	50	7041.6	100	7109.24	200	6629.815	500	7719.472	1000	6834.377
1016 (3)	20	4743.3	50	3989.8	100	3902.73	200	3716.885	500	4044.31	1000	3751.237
1016 (4)	20	4367.6	50	3817.86	100	3564.25	200	3253.31	500	3640.01	1000	3257.104
1016 (5)	20	4872.4	50	4418.04	100	4040.11	200	3837.1	500	4384.308	1000	3740.486
1016 (6)	20	3414.35	50	3075.66	100	2907.89	200	2718.155	500	2968.966	1000	2774.363
Aroclor 1016	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
1260 (1)	20	9305.95	50	8378.72	100	8424.4	200	7900.825	500	8847.398	1000	7808.345
1260 (2)	20	11265.7	50	10133.76	100	10128.79	200	9613.795	500	10650.27	1000	9589.273
1260 (3)	20	8938.8	50	8042.48	100	8021.99	200	7279.085	500	7995.658	1000	7355.01
1260 (4)	20	18701.5	50	18890.76	100	18328.8	200	18081.26	500	20178.5	1000	17708.5
1260 (5)	20	12705.3	50	12305.94	100	12216.37	200	11356.71	500	12577.89	1000	11580.15
1260 (6)	20	5766.1	50	5178.38	100	5114.87	200	4648.95	500	5398.078	1000	4725.786
Aroclor 1260	20	θ	50	θ	100	θ	200	θ	500	θ	1000	θ
Decachlorobiphenyl (Surr)	10	108539.5	25	107985.3	50	113778.6	100	105778.6	250	124333.5	500	109807.6

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: A9L0407

Instrument: DUALECD2F

Matrix:

Calibration Date: 12/04/19 16:35

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	1500	3433.924										
1016 (2)	1500	6967.146										
1016 (3)	1500	3662.205										
1016 (4)	1500	3141.323										
1016 (5)	1500	3767.969										
1016 (6)	1500	2673.243										
Aroclor 1016	1500	ϕ										
1254 (1)											500	5998.118
1254 (2)											500	7287.568
1254 (3)											500	11209.97
1254 (4)											500	7130.028
1254 (5)											500	7658.99
1254 (6)											500	2493.888
Aroclor 1254											500	ϕ
1260 (1)	1500	7628.894										
1260 (2)	1500	10035.16										
1260 (3)	1500	7423.086										
1260 (4)	1500	18439.97										
1260 (5)	1500	11929.48										
1260 (6)	1500	4970.047										
Aroclor 1260	1500	ϕ										
Decachlorobiphenyl (Surr)	800	111502.9	200	ϕ	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: A9L0407

Instrument: DUALECD2F

Matrix:

Calibration Date: 12/04/19 16:35

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	8046.414										
1262 (2)	500	11225.07										
1262 (3)	500	9704.932										
1262 (4)	500	20660.1										
1262 (5)	500	13082.36										
1262 (6)	500	6676.638										
Aroclor 1262	500	θ										
Decachlorobiphenyl (Surr)	200	θ	200	θ								

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: A0A1501
Lab File ID: ECD2R013.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV1 Inject Time: 19:54

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	472	-5.6	70 - 130
Aroclor 1260	500	503	0.5	70 - 130
Decachlorobiphenyl (Surr)	200	187	-6.4	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: DUALECD2R Calibration: A0A1501
Lab File ID: ECD2R021.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV2 Inject Time: 22:15

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	923	-7.7	70 - 130
Aroclor 1254	500	509	1.9	70 - 130
Decachlorobiphenyl (Surr)	80.0	84.1	5.2	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: A0A1501
Lab File ID: ECD2R022.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV3 Inject Time: 22:32

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	513	2.6	70 - 130
Aroclor 1262	500	453	-9.4	70 - 130
Decachlorobiphenyl (Surr)	80.0	84.4	5.5	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: A0A1501
Lab File ID: ECD2R023.D
Sequence: 0A13050 Inject Date: 01/13/20
Lab Sample ID: 0A13050-ICV4 Inject Time: 22:50

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	525	5.1	70 - 130
Aroclor 1268	500	503	0.6	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: DUALECD2R Calibration: A9J2803
Lab File ID: ECD2R012.D
Sequence: 9J25014 Inject Date: 10/25/19
Lab Sample ID: 9J25014-ICV1 Inject Time: 10:40

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	461	-7.8	70 - 130
Aroclor 1260	500	489	-2.3	70 - 130
Decachlorobiphenyl (Surr)	200	192	-4.1	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: A9J2803
Lab File ID: ECD2R020.D
Sequence: 9J25014 Inject Date: 10/25/19
Lab Sample ID: 9J25014-ICV2 Inject Time: 13:02

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	1010	0.8	70 - 130
Aroclor 1254	500	516	3.3	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.8	7.3	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: A9J2803
Lab File ID: ECD2R021.D
Sequence: 9J25014 Inject Date: 10/25/19
Lab Sample ID: 9J25014-ICV3 Inject Time: 13:20

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	544	8.8	70 - 130
Aroclor 1262	500	486	-2.8	70 - 130
Decachlorobiphenyl (Surr)	80.0	89.0	11.3	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: A9J2803
Lab File ID: ECD2R022.D
Sequence: 9J25014 Inject Date: 10/25/19
Lab Sample ID: 9J25014-ICV4 Inject Time: 13:37

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	541	8.2	70 - 130
Aroclor 1268	500	509	1.9	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: A9J2803
Lab File ID: ECD2R023.D
Sequence: 9J25014 Inject Date: 10/25/19
Lab Sample ID: 9J25014-ICV5 Inject Time: 13:55

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	575	15.0	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: DUALECD2F Calibration: A9L0407
Lab File ID: ECD2F011.D
Sequence: 9L03052 Inject Date: 12/03/19
Lab Sample ID: 9L03052-ICV1 Inject Time: 19:25

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	434	-13.1	70 - 130
Aroclor 1260	500	429	-14.1	70 - 130
Decachlorobiphenyl (Surr)	200	184	-7.8	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: DUALECD2F Calibration: A9L0407
Lab File ID: ECD2F019.D
Sequence: 9L03052 Inject Date: 12/03/19
Lab Sample ID: 9L03052-ICV2 Inject Time: 21:46

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	923	-7.7	70 - 130
Aroclor 1254	500	507	1.3	70 - 130
Decachlorobiphenyl (Surr)	80.0	81.5	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: DUALECD2F Calibration: A9L0407
Lab File ID: ECD2F020.D
Sequence: 9L03052 Inject Date: 12/03/19
Lab Sample ID: 9L03052-ICV3 Inject Time: 22:04

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	541	8.2	70 - 130
Aroclor 1262	500	492	-1.6	70 - 130
Decachlorobiphenyl (Surr)	80.0	83.5	4.4	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: A9L0407
Lab File ID: ECD2F021.D
Sequence: 9L03052 Inject Date: 12/03/19
Lab Sample ID: 9L03052-ICV4 Inject Time: 22:21

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	523	4.6	70 - 130
Aroclor 1268	500	490	-1.9	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>A9L0407</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A15024</u>	Injection Date: <u>01/15/20</u>
Lab Sample ID: <u>0A15024-CCV1</u>	Injection Time: <u>07:42</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	530				6.0	20
Aroclor 1260	Ave	500	539				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>A9L0407</u>
Lab File ID: <u>ECD2F016.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A15024</u>	Injection Date: <u>01/15/20</u>
Lab Sample ID: <u>0A15024-CCV2</u>	Injection Time: <u>11:53</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	506				1.3	20
Aroclor 1260	Ave	500	464				-7.3	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>A9L0407</u>
Lab File ID: <u>ECD2F028.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A15024</u>	Injection Date: <u>01/15/20</u>
Lab Sample ID: <u>0A15024-CCV3</u>	Injection Time: <u>15:38</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	542				8.4	20
Aroclor 1260	Ave	500	526				5.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD2R

Calibration: A0A1501

Lab File ID: ECD2R002.D

Calibration Date: 01/15/20 08:26

Sequence: 0A15025

Injection Date: 01/15/20

Lab Sample ID: 0A15025-CCV1

Injection Time: 07:42

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	438				-12.3	20
Aroclor 1260	Ave	500	473				-5.4	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>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R016.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0A15025</u>	Injection Date: <u>01/15/20</u>
Lab Sample ID: <u>0A15025-CCV2</u>	Injection Time: <u>11:53</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	416				-16.8	20
Aroclor 1260	Ave	500	452				-9.7	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>A0A1501</u>
Lab File ID: <u>ECD2R028.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0A15025</u>	Injection Date: <u>01/15/20</u>
Lab Sample ID: <u>0A15025-CCV3</u>	Injection Time: <u>15:38</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	461				-7.9	20
Aroclor 1260	Ave	500	501				0.2	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>A9L0407</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A16014</u>	Injection Date: <u>01/16/20</u>
Lab Sample ID: <u>0A16014-CCV1</u>	Injection Time: <u>07:56</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	534				6.9	20
Aroclor 1260	Ave	500	530				5.9	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>A9L0407</u>
Lab File ID: <u>ECD2F011.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A16014</u>	Injection Date: <u>01/16/20</u>
Lab Sample ID: <u>0A16014-CCV2</u>	Injection Time: <u>10:34</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	535				6.9	20
Aroclor 1260	Ave	500	527				5.4	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>A9L0407</u>
Lab File ID: <u>ECD2F019.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A16014</u>	Injection Date: <u>01/16/20</u>
Lab Sample ID: <u>0A16014-CCV3</u>	Injection Time: <u>12:56</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	556				11.1	20
Aroclor 1260	Ave	500	531				6.2	20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD2F

Calibration: A9L0407

Lab File ID: ECD2F029.D

Calibration Date: 12/04/19 16:35

Sequence: 0A16014

Injection Date: 01/16/20

Lab Sample ID: 0A16014-CCV4

Injection Time: 15:52

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	536				7.2	20
Aroclor 1260	Ave	500	521				4.3	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>A9L0407</u>
Lab File ID: <u>ECD2F003.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A17007</u>	Injection Date: <u>01/17/20</u>
Lab Sample ID: <u>0A17007-CCV1</u>	Injection Time: <u>08:28</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	527				5.4	20
Aroclor 1260	Ave	500	520				3.9	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>A9L0407</u>
Lab File ID: <u>ECD2F010.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A17007</u>	Injection Date: <u>01/17/20</u>
Lab Sample ID: <u>0A17007-CCV2</u>	Injection Time: <u>12:30</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				4.4	20
Aroclor 1260	Ave	500	535				7.0	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>A9L0407</u>
Lab File ID: <u>ECD2F002.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A20022</u>	Injection Date: <u>01/20/20</u>
Lab Sample ID: <u>0A20022-CCV1</u>	Injection Time: <u>07:59</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	528				5.7	20
Aroclor 1260	Ave	500	533				6.6	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>DUALECD2F</u>	Calibration: <u>A9L0407</u>
Lab File ID: <u>ECD2F009.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>0A20022</u>	Injection Date: <u>01/20/20</u>
Lab Sample ID: <u>0A20022-CCV2</u>	Injection Time: <u>10:02</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	516				3.2	20
Aroclor 1260	Ave	500	520				3.9	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>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R002.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0A20023</u>	Injection Date: <u>01/20/20</u>
Lab Sample ID: <u>0A20023-CCV1</u>	Injection Time: <u>07:59</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	479				-4.2	20
Aroclor 1260	Ave	500	506				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>DUALECD2R</u>	Calibration: <u>A0A1501</u>
Lab File ID: <u>ECD2R010.D</u>	Calibration Date: <u>01/15/20 08:26</u>
Sequence: <u>0A20023</u>	Injection Date: <u>01/20/20</u>
Lab Sample ID: <u>0A20023-CCV2</u>	Injection Time: <u>10:20</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	459				-8.1	20
Aroclor 1260	Ave	500	486				-2.7	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>DUALECD2F</u>	Calibration: <u>A9L0407</u>
Lab File ID: <u>ECD2F003.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>9L26011</u>	Injection Date: <u>12/26/19</u>
Lab Sample ID: <u>9L26011-CCV1</u>	Injection Time: <u>08:07</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				7.3	20
Aroclor 1260	Ave	500	561				12.2	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>A9L0407</u>
Lab File ID: <u>ECD2F018.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>9L26011</u>	Injection Date: <u>12/26/19</u>
Lab Sample ID: <u>9L26011-CCV2</u>	Injection Time: <u>12:45</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	508				1.7	20
Aroclor 1260	Ave	500	506				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>A9L0407</u>
Lab File ID: <u>ECD2F034.D</u>	Calibration Date: <u>12/04/19 16:35</u>
Sequence: <u>9L26011</u>	Injection Date: <u>12/26/19</u>
Lab Sample ID: <u>9L26011-CCV3</u>	Injection Time: <u>17:29</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	559				11.7	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>A9J2803</u>
Lab File ID: <u>ECD2R003.D</u>	Calibration Date: <u>10/28/19 10:35</u>
Sequence: <u>9L26012</u>	Injection Date: <u>12/26/19</u>
Lab Sample ID: <u>9L26012-CCV1</u>	Injection Time: <u>08:07</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				-11.4	20
Aroclor 1260	Ave	500	496				-0.8	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>A9J2803</u>
Lab File ID: <u>ECD2R017.D</u>	Calibration Date: <u>10/28/19 10:35</u>
Sequence: <u>9L26012</u>	Injection Date: <u>12/26/19</u>
Lab Sample ID: <u>9L26012-CCV2</u>	Injection Time: <u>12:27</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	433				-13.3	20
Aroclor 1260	Ave	500	506				1.1	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>DUALECD2R</u>	Calibration: <u>A9J2803</u>
Lab File ID: <u>ECD2R034.D</u>	Calibration Date: <u>10/28/19 10:35</u>
Sequence: <u>9L26012</u>	Injection Date: <u>12/26/19</u>
Lab Sample ID: <u>9L26012-CCV3</u>	Injection Time: <u>17:29</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	437				-12.5	20
Aroclor 1260	Ave	500	512				2.3	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>0A13050</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A1501</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0A13050-ICV1)			Lab File ID: ECD2R013.D		Analyzed: 01/13/20 19:54			
Decachlorobiphenyl (Surr)	200	94	70 - 130	10.551	10.55114	-0.0001	+/-1.0	
Initial Cal Check (0A13050-ICV2)			Lab File ID: ECD2R021.D		Analyzed: 01/13/20 22:15			
Decachlorobiphenyl (Surr)	80.0	105	70 - 130	10.548	10.55114	-0.0031	+/-1.0	
Initial Cal Check (0A13050-ICV3)			Lab File ID: ECD2R022.D		Analyzed: 01/13/20 22:32			
Decachlorobiphenyl (Surr)	80.0	105	70 - 130	10.549	10.55114	-0.0021	+/-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>0A15024</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A15024-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 01/15/20 07:42			
Decachlorobiphenyl (Surr)	250	106	80 - 120	9.564	9.577571	-0.0136	+/-1.0	
Calibration Blank (0A15024-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 01/15/20 08:00			
Decachlorobiphenyl (Surr)	100	102	43 - 120	9.564	9.577571	-0.0136	+/-1.0	
Calibration Check (0A15024-CCV2)			Lab File ID: ECD2F016.D		Analyzed: 01/15/20 11:53			
Decachlorobiphenyl (Surr)	250	97	80 - 120	9.563	9.577571	-0.0146	+/-1.0	
Calibration Blank (0A15024-CCB2)			Lab File ID: ECD2F017.D		Analyzed: 01/15/20 12:11			
Decachlorobiphenyl (Surr)	100	100	43 - 120	9.563	9.577571	-0.0146	+/-1.0	
PDI-083SC-B-02-04-191022 (A9J0861-32)			Lab File ID: ECD2F018.D		Analyzed: 01/15/20 12:41			
Decachlorobiphenyl (Surr)	28.3	61	43 - 120	9.577	9.577571	-0.0006	+/-1.0	
PDI-083SC-B-04-06-191022 (A9J0861-33)			Lab File ID: ECD2F020.D		Analyzed: 01/15/20 13:17			
Decachlorobiphenyl (Surr)	27.3	76	43 - 120	9.568	9.577571	-0.0096	+/-1.0	
PDI-083SC-B-06-08-191022 (A9J0861-34)			Lab File ID: ECD2F022.D		Analyzed: 01/15/20 13:52			
Decachlorobiphenyl (Surr)	27.5	63	43 - 120	9.57	9.577571	-0.0076	+/-1.0	
PDI-099SC-B-02-04-191022 (A9J0861-36)			Lab File ID: ECD2F026.D		Analyzed: 01/15/20 15:03			
Decachlorobiphenyl (Surr)	30.1	92	43 - 120	9.568	9.577571	-0.0096	+/-1.0	
Calibration Check (0A15024-CCV3)			Lab File ID: ECD2F028.D		Analyzed: 01/15/20 15:38			
Decachlorobiphenyl (Surr)	250	112	80 - 120	9.565	9.577571	-0.0126	+/-1.0	
Calibration Blank (0A15024-CCB3)			Lab File ID: ECD2F029.D		Analyzed: 01/15/20 15:55			
Decachlorobiphenyl (Surr)	100	104	43 - 120	9.564	9.577571	-0.0136	+/-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>0A15025</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A1501</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A15025-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 01/15/20 07:42			
Decachlorobiphenyl (Surr)	250	101	80 - 120	10.552	10.55114	0.0009	+/-1.0	
Calibration Blank (0A15025-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 01/15/20 08:00			
Decachlorobiphenyl (Surr)	100	97	43 - 120	10.551	10.55114	-0.0001	+/-1.0	
Blank (0010092-BLK1)			Lab File ID: ECD2R004.D		Analyzed: 01/15/20 08:17			
Decachlorobiphenyl (Surr)	16.1	93	43 - 120	10.551	10.55114	-0.0001	+/-1.0	
LCS (0010092-BS1)			Lab File ID: ECD2R005.D		Analyzed: 01/15/20 08:35			
Decachlorobiphenyl (Surr)	16.7	98	43 - 120	10.552	10.55114	0.0009	+/-1.0	
PDI-034SC-B-02-04-191022 (A9J0861-13)			Lab File ID: ECD2R010.D		Analyzed: 01/15/20 10:07			
Decachlorobiphenyl (Surr)	22.2	63	43 - 120	10.551	10.55114	-0.0001	+/-1.0	
PDI-034SC-B-04-06-191022 (A9J0861-14)			Lab File ID: ECD2R012.D		Analyzed: 01/15/20 10:42			
Decachlorobiphenyl (Surr)	19.0	86	43 - 120	10.551	10.55114	-0.0001	+/-1.0	
PDI-083SC-B-00-02-191022 (A9J0861-31)			Lab File ID: ECD2R014.D		Analyzed: 01/15/20 11:18			
Decachlorobiphenyl (Surr)	28.9	83	43 - 120	10.558	10.55114	0.0069	+/-1.0	
Calibration Check (0A15025-CCV2)			Lab File ID: ECD2R016.D		Analyzed: 01/15/20 11:53			
Decachlorobiphenyl (Surr)	250	98	80 - 120	10.552	10.55114	0.0009	+/-1.0	
Calibration Blank (0A15025-CCB2)			Lab File ID: ECD2R017.D		Analyzed: 01/15/20 12:11			
Decachlorobiphenyl (Surr)	100	92	43 - 120	10.552	10.55114	0.0009	+/-1.0	
Calibration Check (0A15025-CCV3)			Lab File ID: ECD2R028.D		Analyzed: 01/15/20 15:38			
Decachlorobiphenyl (Surr)	250	108	80 - 120	10.555	10.55114	0.0039	+/-1.0	
Calibration Blank (0A15025-CCB3)			Lab File ID: ECD2R029.D		Analyzed: 01/15/20 15:55			
Decachlorobiphenyl (Surr)	100	104	43 - 120	10.555	10.55114	0.0039	+/-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>0A16014</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A16014-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 01/16/20 07:56			
Decachlorobiphenyl (Surr)	250	104	80 - 120	9.566	9.577571	-0.0116	+/-1.0	
Calibration Blank (0A16014-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 01/16/20 08:13			
Decachlorobiphenyl (Surr)	100	101	43 - 120	9.563	9.577571	-0.0146	+/-1.0	
Calibration Check (0A16014-CCV2)			Lab File ID: ECD2F011.D		Analyzed: 01/16/20 10:34			
Decachlorobiphenyl (Surr)	250	108	80 - 120	9.562	9.577571	-0.0156	+/-1.0	
Calibration Blank (0A16014-CCB2)			Lab File ID: ECD2F012.D		Analyzed: 01/16/20 10:52			
Decachlorobiphenyl (Surr)	100	100	43 - 120	9.561	9.577571	-0.0166	+/-1.0	
Calibration Check (0A16014-CCV3)			Lab File ID: ECD2F019.D		Analyzed: 01/16/20 12:56			
Decachlorobiphenyl (Surr)	250	102	80 - 120	9.562	9.577571	-0.0156	+/-1.0	
Calibration Blank (0A16014-CCB3)			Lab File ID: ECD2F020.D		Analyzed: 01/16/20 13:13			
Decachlorobiphenyl (Surr)	100	104	43 - 120	9.561	9.577571	-0.0166	+/-1.0	
PDI-099SC-B-06-08-191022 (A9J0861-38)			Lab File ID: ECD2F023.D		Analyzed: 01/16/20 14:06			
Decachlorobiphenyl (Surr)	29.7	63	43 - 120	9.565	9.577571	-0.0126	+/-1.0	
Calibration Check (0A16014-CCV4)			Lab File ID: ECD2F029.D		Analyzed: 01/16/20 15:52			
Decachlorobiphenyl (Surr)	250	108	80 - 120	9.562	9.577571	-0.0156	+/-1.0	
Calibration Blank (0A16014-CCB4)			Lab File ID: ECD2F030.D		Analyzed: 01/16/20 16:10			
Decachlorobiphenyl (Surr)	100	102	43 - 120	9.56	9.577571	-0.0176	+/-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>0A17007</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A17007-CCV1)			Lab File ID: ECD2F003.D		Analyzed: 01/17/20 08:28			
Decachlorobiphenyl (Surr)	250	103	80 - 120	9.558	9.577571	-0.0196	+/-1.0	
Calibration Blank (0A17007-CCB1)			Lab File ID: ECD2F004.D		Analyzed: 01/17/20 08:46			
Decachlorobiphenyl (Surr)	100	100	43 - 120	9.559	9.577571	-0.0186	+/-1.0	
PDI-099SC-B-00-02-191022 (A9J0861-35RE1)			Lab File ID: ECD2F006.D		Analyzed: 01/17/20 11:20			
Decachlorobiphenyl (Surr)	26.8	88	43 - 120	9.565	9.577571	-0.0126	+/-1.0	
PDI-099SC-B-04-06-191022 (A9J0861-37RE1)			Lab File ID: ECD2F008.D		Analyzed: 01/17/20 11:55			
Decachlorobiphenyl (Surr)	28.1	80	43 - 120	9.556	9.577571	-0.0216	+/-1.0	
Calibration Check (0A17007-CCV2)			Lab File ID: ECD2F010.D		Analyzed: 01/17/20 12:30			
Decachlorobiphenyl (Surr)	250	106	80 - 120	9.557	9.577571	-0.0206	+/-1.0	
Calibration Blank (0A17007-CCB2)			Lab File ID: ECD2F011.D		Analyzed: 01/17/20 12:48			
Decachlorobiphenyl (Surr)	100	103	43 - 120	9.556	9.577571	-0.0216	+/-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>0A20022</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A20022-CCV1)			Lab File ID: ECD2F002.D		Analyzed: 01/20/20 07:59			
Decachlorobiphenyl (Surr)	250	107	80 - 120	9.566	9.577571	-0.0116	+/-1.0	
Calibration Blank (0A20022-CCB1)			Lab File ID: ECD2F003.D		Analyzed: 01/20/20 08:16			
Decachlorobiphenyl (Surr)	100	101	43 - 120	9.56	9.577571	-0.0176	+/-1.0	
Blank (0010536-BLK1)			Lab File ID: ECD2F004.D		Analyzed: 01/20/20 08:34			
Decachlorobiphenyl (Surr)	16.1	98	43 - 120	9.558	9.577571	-0.0196	+/-1.0	
LCS (0010536-BS1)			Lab File ID: ECD2F005.D		Analyzed: 01/20/20 08:52			
Decachlorobiphenyl (Surr)	16.7	106	43 - 120	9.56	9.577571	-0.0176	+/-1.0	
LCS Dup (0010536-BSD1)			Lab File ID: ECD2F006.D		Analyzed: 01/20/20 09:09			
Decachlorobiphenyl (Surr)	16.7	100	43 - 120	9.559	9.577571	-0.0186	+/-1.0	
Calibration Check (0A20022-CCV2)			Lab File ID: ECD2F009.D		Analyzed: 01/20/20 10:02			
Decachlorobiphenyl (Surr)	250	108	80 - 120	9.558	9.577571	-0.0196	+/-1.0	
Calibration Blank (0A20022-CCB2)			Lab File ID: ECD2F010.D		Analyzed: 01/20/20 10:20			
Decachlorobiphenyl (Surr)	100	104	43 - 120	9.558	9.577571	-0.0196	+/-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>0A20023</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A1501</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A20023-CCV1)			Lab File ID: ECD2R002.D		Analyzed: 01/20/20 07:59			
Decachlorobiphenyl (Surr)	250	102	80 - 120	10.548	10.55114	-0.0031	+/-1.0	
Calibration Blank (0A20023-CCB1)			Lab File ID: ECD2R003.D		Analyzed: 01/20/20 08:16			
Decachlorobiphenyl (Surr)	100	99	43 - 120	10.547	10.55114	-0.0041	+/-1.0	
PDI-034SC-B-00-02-191022 (A9J0861-12RE1)			Lab File ID: ECD2R004.D		Analyzed: 01/20/20 08:34			
Decachlorobiphenyl (Surr)	27.0	41	43 - 120	10.547	10.55114	-0.0041	+/-1.0	*
Calibration Check (0A20023-CCV2)			Lab File ID: ECD2R010.D		Analyzed: 01/20/20 10:20			
Decachlorobiphenyl (Surr)	250	95	80 - 120	10.545	10.55114	-0.0061	+/-1.0	
Calibration Blank (0A20023-CCB2)			Lab File ID: ECD2R011.D		Analyzed: 01/20/20 10:37			
Decachlorobiphenyl (Surr)	100	89	43 - 120	10.546	10.55114	-0.0051	+/-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>9J25014</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9J2803</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (9J25014-ICV1)			Lab File ID: ECD2R012.D		Analyzed: 10/25/19 10:40			
Decachlorobiphenyl (Surr)	200	96	70 - 130	10.701	10.701	0.0000	+/-1.0	
Initial Cal Check (9J25014-ICV2)			Lab File ID: ECD2R020.D		Analyzed: 10/25/19 13:02			
Decachlorobiphenyl (Surr)	80.0	107	70 - 130	10.701	10.701	0.0000	+/-1.0	
Initial Cal Check (9J25014-ICV3)			Lab File ID: ECD2R021.D		Analyzed: 10/25/19 13:20			
Decachlorobiphenyl (Surr)	80.0	111	70 - 130	10.699	10.701	-0.0020	+/-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>9L03052</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (9L03052-ICV1)			Lab File ID: ECD2F011.D		Analyzed: 12/03/19 19:25			
Decachlorobiphenyl (Surr)	200	92	70 - 130	9.577	9.577571	-0.0006	+/-1.0	
Initial Cal Check (9L03052-ICV2)			Lab File ID: ECD2F019.D		Analyzed: 12/03/19 21:46			
Decachlorobiphenyl (Surr)	80.0	102	70 - 130	9.576	9.577571	-0.0016	+/-1.0	
Initial Cal Check (9L03052-ICV3)			Lab File ID: ECD2F020.D		Analyzed: 12/03/19 22:04			
Decachlorobiphenyl (Surr)	80.0	104	70 - 130	9.577	9.577571	-0.0006	+/-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>9L26011</u>	Instrument: <u>DUALECD2F</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9L0407</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (9L26011-CCV1)			Lab File ID: ECD2F003.D		Analyzed: 12/26/19 08:07			
Decachlorobiphenyl (Surr)	250	116	80 - 120	9.579	9.577571	0.0014	+/-1.0	
Calibration Blank (9L26011-CCB1)			Lab File ID: ECD2F004.D		Analyzed: 12/26/19 08:25			
Decachlorobiphenyl (Surr)	100	115	43 - 120	9.578	9.577571	0.0004	+/-1.0	
Calibration Check (9L26011-CCV2)			Lab File ID: ECD2F018.D		Analyzed: 12/26/19 12:45			
Decachlorobiphenyl (Surr)	250	109	80 - 120	9.578	9.577571	0.0004	+/-1.0	
Calibration Blank (9L26011-CCB2)			Lab File ID: ECD2F019.D		Analyzed: 12/26/19 13:02			
Decachlorobiphenyl (Surr)	100	112	43 - 120	9.575	9.577571	-0.0026	+/-1.0	
PDI-034SC-A-02-03-191022 (A9J0861-02)			Lab File ID: ECD2F032.D		Analyzed: 12/26/19 16:54			
Decachlorobiphenyl (Surr)	21.9	59	43 - 120	9.575	9.577571	-0.0026	+/-1.0	
Calibration Check (9L26011-CCV3)			Lab File ID: ECD2F034.D		Analyzed: 12/26/19 17:29			
Decachlorobiphenyl (Surr)	250	120	80 - 120	9.576	9.577571	-0.0016	+/-1.0	
Calibration Blank (9L26011-CCB3)			Lab File ID: ECD2F035.D		Analyzed: 12/26/19 17:47			
Decachlorobiphenyl (Surr)	100	119	43 - 120	9.575	9.577571	-0.0026	+/-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>9L26012</u>	Instrument: <u>DUALECD2R</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9J2803</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (9L26012-CCV1)			Lab File ID: ECD2R003.D		Analyzed: 12/26/19 08:07			
Decachlorobiphenyl (Surr)	250	109	80 - 120	10.692	10.701	-0.0090	+/-1.0	
Calibration Blank (9L26012-CCB1)			Lab File ID: ECD2R004.D		Analyzed: 12/26/19 08:25			
Decachlorobiphenyl (Surr)	100	108	43 - 120	10.691	10.701	-0.0100	+/-1.0	
Blank (9121119-BLK1)			Lab File ID: ECD2R005.D		Analyzed: 12/26/19 08:55			
Decachlorobiphenyl (Surr)	16.1	58	43 - 120	10.692	10.701	-0.0090	+/-1.0	
LCS (9121119-BS1)			Lab File ID: ECD2R006.D		Analyzed: 12/26/19 09:13			
Decachlorobiphenyl (Surr)	16.7	100	43 - 120	10.692	10.701	-0.0090	+/-1.0	
Calibration Check (9L26012-CCV2)			Lab File ID: ECD2R017.D		Analyzed: 12/26/19 12:27			
Decachlorobiphenyl (Surr)	250	110	80 - 120	10.69	10.701	-0.0110	+/-1.0	
Calibration Blank (9L26012-CCB2)			Lab File ID: ECD2R018.D		Analyzed: 12/26/19 12:45			
Decachlorobiphenyl (Surr)	100	109	43 - 120	10.69	10.701	-0.0110	+/-1.0	
PDI-034SC-A-03-04-191022 (A9J0861-03)			Lab File ID: ECD2R020.D		Analyzed: 12/26/19 13:22			
Decachlorobiphenyl (Surr)	22.0	91	43 - 120	10.69	10.701	-0.0110	+/-1.0	
Calibration Check (9L26012-CCV3)			Lab File ID: ECD2R034.D		Analyzed: 12/26/19 17:29			
Decachlorobiphenyl (Surr)	250	112	80 - 120	10.691	10.701	-0.0100	+/-1.0	
Calibration Blank (9L26012-CCB3)			Lab File ID: ECD2R035.D		Analyzed: 12/26/19 17:47			
Decachlorobiphenyl (Surr)	100	114	43 - 120	10.689	10.701	-0.0120	+/-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-034SC-A-02-03-191022	10/22/19 08:26	10/23/19 09:58	12/19/19 10:36	58.09	365.00	12/26/19 16:54	7.26	40.00	
PDI-034SC-A-03-04-191022	10/22/19 08:26	10/23/19 09:58	12/19/19 10:36	58.09	365.00	12/26/19 13:22	7.12	40.00	
PDI-034SC-B-00-02-191022	10/22/19 08:31	10/23/19 09:58	01/17/20 11:12	87.11	365.00	01/20/20 08:34	2.89	40.00	
PDI-034SC-B-02-04-191022	10/22/19 08:34	10/23/19 09:58	01/06/20 07:09	75.94	365.00	01/15/20 10:07	9.12	40.00	
PDI-034SC-B-04-06-191022	10/22/19 08:35	10/23/19 09:58	01/06/20 07:09	75.94	365.00	01/15/20 10:42	9.15	40.00	
PDI-083SC-B-00-02-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 07:09	75.71	365.00	01/15/20 11:18	9.17	40.00	
PDI-083SC-B-02-04-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 07:09	75.71	365.00	01/15/20 12:41	9.23	40.00	
PDI-083SC-B-04-06-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 07:09	75.71	365.00	01/15/20 13:17	9.26	40.00	
PDI-083SC-B-06-08-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 07:09	75.71	365.00	01/15/20 13:52	9.28	40.00	
PDI-099SC-B-00-02-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 07:09	75.85	365.00	01/17/20 11:20	11.17	40.00	
PDI-099SC-B-02-04-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 07:09	75.85	365.00	01/15/20 15:03	9.33	40.00	
PDI-099SC-B-04-06-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 07:09	75.85	365.00	01/17/20 11:55	11.20	40.00	
PDI-099SC-B-06-08-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 07:09	75.85	365.00	01/16/20 14:06	10.29	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 C

<u>Client Sample Id:</u>	<u>Lab Sample Id:</u>	<u>Matrix</u>
<u>PDI-034SC-A-02-03-191022</u>	<u>A9J0861-02</u>	<u>Sediment</u>
<u>PDI-034SC-A-03-04-191022</u>	<u>A9J0861-03</u>	<u>Sediment</u>
<u>PDI-034SC-B-00-02-191022</u>	<u>A9J0861-12</u>	<u>Sediment</u>
<u>PDI-034SC-B-02-04-191022</u>	<u>A9J0861-13</u>	<u>Sediment</u>
<u>PDI-034SC-B-04-06-191022</u>	<u>A9J0861-14</u>	<u>Sediment</u>
<u>PDI-083SC-B-00-02-191022</u>	<u>A9J0861-31</u>	<u>Sediment</u>
<u>PDI-083SC-B-02-04-191022</u>	<u>A9J0861-32</u>	<u>Sediment</u>
<u>PDI-083SC-B-04-06-191022</u>	<u>A9J0861-33</u>	<u>Sediment</u>
<u>PDI-083SC-B-06-08-191022</u>	<u>A9J0861-34</u>	<u>Sediment</u>
<u>PDI-099SC-B-00-02-191022</u>	<u>A9J0861-35</u>	<u>Sediment</u>
<u>PDI-099SC-B-02-04-191022</u>	<u>A9J0861-36</u>	<u>Sediment</u>
<u>PDI-099SC-B-04-06-191022</u>	<u>A9J0861-37</u>	<u>Sediment</u>
<u>PDI-099SC-B-06-08-191022</u>	<u>A9J0861-38</u>	<u>Sediment</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: _____

2/3/2020 12:58PM

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 [2C]	0.500	1.00	ug/kg
2,4'-DDE	0.500	1.00	ug/kg
2,4'-DDE [2C]	0.500	1.00	ug/kg
2,4'-DDT	0.500	1.00	ug/kg
2,4'-DDT [2C]	0.500	1.00	ug/kg
4,4'-DDD	0.500	1.00	ug/kg
4,4'-DDD [2C]	0.500	1.00	ug/kg
4,4'-DDE	0.500	1.00	ug/kg
4,4'-DDE [2C]	0.500	1.00	ug/kg
4,4'-DDT	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 .

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: Soil

Analyte	MDL	MRL	Units
2,4'-DDD [2C]	0.500	1.00	ug/kg
2,4'-DDE	0.500	1.00	ug/kg
2,4'-DDE [2C]	0.500	1.00	ug/kg
2,4'-DDT	0.500	1.00	ug/kg
2,4'-DDT [2C]	0.500	1.00	ug/kg
4,4'-DDD	0.500	1.00	ug/kg
4,4'-DDD [2C]	0.500	1.00	ug/kg
4,4'-DDE	0.500	1.00	ug/kg
4,4'-DDE [2C]	0.500	1.00	ug/kg
4,4'-DDT	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-034SC-A-02-03-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-02RE1</u>
Sampled: <u>10/22/19 08:26</u>	Prepared: <u>12/20/19 09:46</u>
Solids: <u>74.94</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>
Batch: <u>9121450</u>	Sequence: <u>0A09021</u>
	Calibration: <u>A0A0906</u>
	Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	5.13	U
3424-82-6	2,4'-DDE	1	2.56	U
789-02-6	2,4'-DDT [2C]	1	2.56	U
72-54-8	4,4'-DDD	1	5.13	U
72-55-9	4,4'-DDE [2C]	1	2.56	U
50-29-3	4,4'-DDT [2C]	1	7.69	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	64.1	45.5	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.1	68.4	107	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-034SC-A-03-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-03RE1</u>	File ID: <u>ECD5-01092009.D</u>
Sampled: <u>10/22/19 08:26</u>	Prepared: <u>12/20/19 09:46</u>	Analyzed: <u>01/09/20 13:06</u>
Solids: <u>74.71</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.36 g / 10 mL</u>
Batch: <u>9121450</u>	Sequence: <u>0A09021</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.29	U
3424-82-6	2,4'-DDE [2C]	1	1.29	U
789-02-6	2,4'-DDT [2C]	1	1.29	U
72-54-8	4,4'-DDD [2C]	1	1.29	U
72-55-9	4,4'-DDE [2C]	1	1.29	U
50-29-3	4,4'-DDT [2C]	1	1.29	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	64.6	46.2	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.6	57.3	89	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-034SC-B-00-02-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-12RE1</u>	File ID: <u>ECD5-01162029.D</u>
Sampled: <u>10/22/19 08:31</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 19:23</u>
Solids: <u>60.76</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.69 g / 20 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	30.8	U
3424-82-6	2,4'-DDE [2C]	5	15.4	U
789-02-6	2,4'-DDT [2C]	5	15.4	U
72-54-8	4,4'-DDD	5	30.8	U
72-55-9	4,4'-DDE	5	15.4	U
50-29-3	4,4'-DDT [2C]	5	49.3	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	77.0	74.8	97	42 - 129	
Decachlorobiphenyl (Surr) [2C]	77.0	121	157	55 - 130	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-034SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-13RE1</u>	File ID: <u>ECD5-01162031.D</u>
Sampled: <u>10/22/19 08:34</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 20:01</u>
Solids: <u>74.86</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.88 g / 20 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	24.6	U
3424-82-6	2,4'-DDE [2C]	5	12.3	U
789-02-6	2,4'-DDT [2C]	5	12.3	U
72-54-8	4,4'-DDD	5	30.2	D
72-55-9	4,4'-DDE	5	12.3	U
50-29-3	4,4'-DDT [2C]	5	30.7	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	61.4	57.8	94	42 - 129	
Decachlorobiphenyl (Surr)	61.4	84.5	138	55 - 130	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-034SC-B-04-06-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-14RE1</u>	File ID: <u>ECD5-01162009.D</u>
Sampled: <u>10/22/19 08:35</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 13:12</u>
Solids: <u>87.25</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.8 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.06	U
3424-82-6	2,4'-DDE [2C]	1	1.06	U
789-02-6	2,4'-DDT [2C]	1	1.06	U
72-54-8	4,4'-DDD [2C]	1	1.06	U
72-55-9	4,4'-DDE [2C]	1	1.06	U
50-29-3	4,4'-DDT [2C]	1	1.06	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	53.1	36.0	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	53.1	54.6	103	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-B-00-02-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-31RE1</u>	File ID: <u>ECD5-01162033.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 20:39</u>
Solids: <u>57.14</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.78 g / 20 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	10	188	D
3424-82-6	2,4'-DDE [2C]	10	84.4	U
789-02-6	2,4'-DDT [2C]	10	101	U
72-54-8	4,4'-DDD	10	247	D
72-55-9	4,4'-DDE	10	64.9	U
50-29-3	4,4'-DDT [2C]	10	166	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	81.2	84.0	104	42 - 129	
Decachlorobiphenyl (Surr)	81.2	179	221	55 - 130	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-32RE1</u>	File ID: <u>ECD5-01162035.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 21:16</u>
Solids: <u>58.67</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.1 g / 20 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	193	D
3424-82-6	2,4'-DDE [2C]	5	75.5	D
789-02-6	2,4'-DDT [2C]	5	16.9	U
72-54-8	4,4'-DDD	5	552	D
72-55-9	4,4'-DDE	5	69.3	D
50-29-3	4,4'-DDT	5	89.6	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	84.4	83.5	99	42 - 129	
Decachlorobiphenyl (Surr)	84.4	113	134	55 - 130	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-B-04-06-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-33RE1</u>	File ID: <u>ECD5-01162037.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 21:54</u>
Solids: <u>.60.22</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.34 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	179	D
3424-82-6	2,4'-DDE [2C]	2	47.5	D
789-02-6	2,4'-DDT [2C]	2	8.67	U
72-54-8	4,4'-DDD	2	371	D
72-55-9	4,4'-DDE	2	30.5	D
50-29-3	4,4'-DDT	2	30.8	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	80.3	67.3	84	42 - 129	
Decachlorobiphenyl (Surr) [2C]	80.3	102	127	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-083SC-B-06-08-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-34RE1</u>	File ID: <u>ECD5-01162039.D</u>
Sampled: <u>10/22/19 14:05</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 22:31</u>
Solids: <u>59.35</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.21 g / 20 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u> Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	5	544	D
3424-82-6	2,4'-DDE [2C]	5	97.5	D
789-02-6	2,4'-DDT [2C]	5	16.5	U
72-54-8	4,4'-DDD	5	922	D
72-55-9	4,4'-DDE	5	57.4	D
50-29-3	4,4'-DDT	5	367	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	82.5	79.9	97	42 - 129	
Decachlorobiphenyl (Surr)	82.5	110	134	55 - 130	*

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-099SC-B-00-02-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-35RE1</u>	File ID: <u>ECD5-01162010.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 13:29</u>
Solids: <u>61.23</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.17 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	22.1	
3424-82-6	2,4'-DDE [2C]	1	12.3	
789-02-6	2,4'-DDT	1	4.50	U
72-54-8	4,4'-DDD	1	63.7	
72-55-9	4,4'-DDE	1	27.5	
50-29-3	4,4'-DDT	1	12.1	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	80.3	57.0	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	80.3	88.1	110	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-099SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-36RE1</u>	File ID: <u>ECD5-01162041.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/16/20 23:09</u>
Solids: <u>55.11</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.56 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
3424-82-6	2,4'-DDE [2C]	2	119	D
789-02-6	2,4'-DDT [2C]	2	7.56	U
72-55-9	4,4'-DDE	2	76.1	D
50-29-3	4,4'-DDT	2	371	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	85.9	68.9	80	42 - 129	
Decachlorobiphenyl (Surr) [2C]	85.9	110	128	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-099SC-B-02-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-36RE2</u>	File ID: <u>ECD5-01172034.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/17/20 20:59</u>
Solids: <u>55.11</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.56 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A17019</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	20	666	D
72-54-8	4,4'-DDD [2C]	20	2200	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	85.9	62.1	72	42 - 129	
Decachlorobiphenyl (Surr) [2C]	85.9	101	117	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-099SC-B-04-06-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-37RE2</u>	File ID: <u>ECD5-01172036.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/17/20 21:37</u>
Solids: <u>57.95</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.2 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A17019</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	50	1700	D
3424-82-6	2,4'-DDE [2C]	50	314	D
789-02-6	2,4'-DDT [2C]	50	169	U
72-54-8	4,4'-DDD [2C]	50	4070	D
72-55-9	4,4'-DDE [2C]	50	711	U
50-29-3	4,4'-DDT [2C]	50	14400	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	84.6	80.1	95	42 - 129	D
Decachlorobiphenyl (Surr) [2C]	84.6	108	128	55 - 130	D

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

PDI-099SC-B-06-08-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-38RE2</u>	File ID: <u>ECD5-01172030.D</u>
Sampled: <u>10/22/19 10:48</u>	Prepared: <u>01/06/20 13:32</u>	Analyzed: <u>01/17/20 19:44</u>
Solids: <u>55.24</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>10.31 g / 10 mL</u>
Batch: <u>0010220</u>	Sequence: <u>0A17019</u>	Calibration: <u>A0A0906</u>
		Instrument: <u>DUALECD5</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	2	9.48	U
3424-82-6	2,4'-DDE [2C]	2	3.51	U
789-02-6	2,4'-DDT [2C]	2	3.51	U
72-54-8	4,4'-DDD [2C]	2	7.77	D
72-55-9	4,4'-DDE [2C]	2	7.02	U
50-29-3	4,4'-DDT [2C]	2	7.37	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	87.8	92.3	105	42 - 129	
Decachlorobiphenyl (Surr)	87.8	105	120	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: 0010220

Batch Matrix: Sediment

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0010220-BLK1	ECD5-01162007.D	01/06/20 13:32	
LCS	0010220-BS1	ECD5-01162008.D	01/06/20 13:32	
PDI-034SC-B-00-02-191022	A9J0861-12RE1	ECD5-01162029.D	01/06/20 13:32	
PDI-034SC-B-02-04-191022	A9J0861-13RE1	ECD5-01162031.D	01/06/20 13:32	
PDI-034SC-B-04-06-191022	A9J0861-14RE1	ECD5-01162009.D	01/06/20 13:32	
PDI-083SC-B-00-02-191022	A9J0861-31RE1	ECD5-01162033.D	01/06/20 13:32	
PDI-083SC-B-02-04-191022	A9J0861-32RE1	ECD5-01162035.D	01/06/20 13:32	
PDI-083SC-B-04-06-191022	A9J0861-33RE1	ECD5-01162037.D	01/06/20 13:32	
PDI-083SC-B-06-08-191022	A9J0861-34RE1	ECD5-01162039.D	01/06/20 13:32	
PDI-099SC-B-00-02-191022	A9J0861-35RE1	ECD5-01162010.D	01/06/20 13:32	
PDI-099SC-B-02-04-191022	A9J0861-36RE1	ECD5-01162041.D	01/06/20 13:32	
PDI-099SC-B-02-04-191022	A9J0861-36RE2	ECD5-01172034.D	01/06/20 13:32	
PDI-099SC-B-04-06-191022	A9J0861-37RE2	ECD5-01172036.D	01/06/20 13:32	
PDI-099SC-B-06-08-191022	A9J0861-38RE2	ECD5-01172030.D	01/06/20 13:32	

Note: Client samples are listed only if they are included in this report.

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

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 Co

Batch: 9121450 Batch Matrix: Soil

Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	9121450-BLK1	ECD5-01092007.D	12/20/19 09:46	
LCS	9121450-BS1	ECD5-01092008.D	12/20/19 09:46	
PDI-034SC-A-02-03-191022	A9J0861-02RE1	ECD5-01092027.D	12/20/19 09:46	
PDI-034SC-A-03-04-191022	A9J0861-03RE1	ECD5-01092009.D	12/20/19 09:46	

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.

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>0010220-BLK1</u>	File ID: <u>ECD5-01162007.D</u>
Prepared: <u>01/06/20 13:32</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>01/16/20 12:37</u>	Instrument: <u>DUALECD5</u>	
Batch: <u>0010220</u>	Sequence: <u>0A16028</u>	Calibration: <u>A0A0906</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	30.9	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	47.4	104	55 - 130	

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>Soil</u>	Laboratory ID: <u>9121450-BLK1</u>	File ID: <u>ECD5-01092007.D</u>
Prepared: <u>12/20/19 09:46</u>	Preparation: <u>EPA 3546/3640A (GPC)</u>	Initial/Final: <u>11 g / 10 mL</u>
Analyzed: <u>01/09/20 12:31</u>	Instrument: <u>DUALECD5</u>	
Batch: <u>9121450</u>	Sequence: <u>0A09021</u>	Calibration: <u>A0A0906</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	30.6	67	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	41.0	90	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: 0010220

Laboratory ID: 0010220-BS1

Preparation: EPA 3546/3640A (GPC)

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	51.1	102	50 - 150
2,4'-DDE [2C]	50.0	45.1	90	50 - 150
2,4'-DDT [2C]	50.0	55.4	111	50 - 150
4,4'-DDD [2C]	50.0	58.3	117	50 - 150
4,4'-DDE [2C]	50.0	50.7	101	50 - 150
4,4'-DDT [2C]	50.0	63.6	127	50 - 150

* = Values outside of QC limits

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: Soil

Batch: 9121450

Laboratory ID: 9121450-BS1

Preparation: EPA 3546/3640A (GPC)

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	49.4	99	50 - 150
2,4'-DDE [2C]	50.0	46.6	93	50 - 150
2,4'-DDT [2C]	50.0	54.1	108	50 - 150
4,4'-DDD	50.0	51.6	103	50 - 150
4,4'-DDE [2C]	50.0	51.3	103	50 - 150
4,4'-DDT	50.0	54.5	109	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: 0A08041

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0A0906

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0A08041-ICB1	ECD5-01082010.D	01/08/20 14:26
Cal Standard	0A08041-CAL1	ECD5-01082011.D	01/08/20 14:50
Cal Standard	0A08041-CAL2	ECD5-01082012.D	01/08/20 15:07
Cal Standard	0A08041-CAL3	ECD5-01082013.D	01/08/20 15:24
Cal Standard	0A08041-CAL4	ECD5-01082014.D	01/08/20 15:41
Cal Standard	0A08041-CAL5	ECD5-01082015.D	01/08/20 15:58
Cal Standard	0A08041-CAL6	ECD5-01082016.D	01/08/20 16:16
Cal Standard	0A08041-CAL7	ECD5-01082017.D	01/08/20 16:33
Cal Standard	0A08041-CAL8	ECD5-01082018.D	01/08/20 16:50
Cal Standard	0A08041-CAL9	ECD5-01082019.D	01/08/20 17:07
Initial Cal Check	0A08041-ICV1	ECD5-01082021.D	01/08/20 17:42
Cal Standard	0A08041-CALA	ECD5-01082022.D	01/08/20 17:59
Cal Standard	0A08041-CALB	ECD5-01082023.D	01/08/20 18:16
Cal Standard	0A08041-CALC	ECD5-01082024.D	01/08/20 18:33
Cal Standard	0A08041-CALD	ECD5-01082025.D	01/08/20 18:51
Cal Standard	0A08041-CALE	ECD5-01082026.D	01/08/20 19:08
Cal Standard	0A08041-CALF	ECD5-01082027.D	01/08/20 19:25
Cal Standard	0A08041-CALG	ECD5-01082028.D	01/08/20 19:42
Cal Standard	0A08041-CALH	ECD5-01082029.D	01/08/20 19:59
Cal Standard	0A08041-CALI	ECD5-01082030.D	01/08/20 20:16
Initial Cal Check	0A08041-ICV2	ECD5-01082032.D	01/08/20 20:50

Note: Client samples are listed only if they are included in this report.

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

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 0A09021

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0A0906

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A09021-CCV1	ECD5-01092004.D	01/09/20 11:40
Calibration Check	0A09021-CCV2	ECD5-01092005.D	01/09/20 11:57
Calibration Blank	0A09021-CCB1	ECD5-01092006.D	01/09/20 12:14
Blank	9121450-BLK1	ECD5-01092007.D	01/09/20 12:31
LCS	9121450-BS1	ECD5-01092008.D	01/09/20 12:48
PDI-034SC-A-03-04-191022	A9J0861-03RE1	ECD5-01092009.D	01/09/20 13:06
Calibration Check	0A09021-CCV3	ECD5-01092024.D	01/09/20 17:47
Calibration Check	0A09021-CCV4	ECD5-01092025.D	01/09/20 18:04
Calibration Blank	0A09021-CCB2	ECD5-01092026.D	01/09/20 18:22
PDI-034SC-A-02-03-191022	A9J0861-02RE1	ECD5-01092027.D	01/09/20 18:39
Calibration Check	0A09021-CCV5	ECD5-01092041.D	01/09/20 23:02
Calibration Check	0A09021-CCV6	ECD5-01092042.D	01/09/20 23:19
Calibration Blank	0A09021-CCB3	ECD5-01092043.D	01/09/20 23:36

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 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: 0A16028

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0A0906

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A16028-CCV1	ECD5-01162004.D	01/16/20 11:46
Calibration Check	0A16028-CCV2	ECD5-01162005.D	01/16/20 12:03
Calibration Blank	0A16028-CCB1	ECD5-01162006.D	01/16/20 12:20
Blank	0010220-BLK1	ECD5-01162007.D	01/16/20 12:37
LCS	0010220-BS1	ECD5-01162008.D	01/16/20 12:55
PDI-034SC-B-04-06-191022	A9J0861-14RE1	ECD5-01162009.D	01/16/20 13:12
PDI-099SC-B-00-02-191022	A9J0861-35RE1	ECD5-01162010.D	01/16/20 13:29
Calibration Check	0A16028-CCV3	ECD5-01162024.D	01/16/20 17:54
Calibration Check	0A16028-CCV4	ECD5-01162025.D	01/16/20 18:11
Calibration Blank	0A16028-CCB2	ECD5-01162026.D	01/16/20 18:29
PDI-034SC-B-00-02-191022	A9J0861-12RE1	ECD5-01162029.D	01/16/20 19:23
PDI-034SC-B-02-04-191022	A9J0861-13RE1	ECD5-01162031.D	01/16/20 20:01
PDI-083SC-B-00-02-191022	A9J0861-31RE1	ECD5-01162033.D	01/16/20 20:39
PDI-083SC-B-02-04-191022	A9J0861-32RE1	ECD5-01162035.D	01/16/20 21:16
PDI-083SC-B-04-06-191022	A9J0861-33RE1	ECD5-01162037.D	01/16/20 21:54
PDI-083SC-B-06-08-191022	A9J0861-34RE1	ECD5-01162039.D	01/16/20 22:31
PDI-099SC-B-02-04-191022	A9J0861-36RE1	ECD5-01162041.D	01/16/20 23:09
Calibration Check	0A16028-CCV5	ECD5-01162047.D	01/17/20 01:02
Calibration Check	0A16028-CCV6	ECD5-01162048.D	01/17/20 01:19
Calibration Blank	0A16028-CCB3	ECD5-01162049.D	01/17/20 01:36

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 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: 0A17019

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0A0906

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0A17019-CCV1	ECD5-01172004.D	01/17/20 11:44
Calibration Check	0A17019-CCV2	ECD5-01172005.D	01/17/20 12:01
Calibration Blank	0A17019-CCB1	ECD5-01172006.D	01/17/20 12:19
Calibration Check	0A17019-CCV3	ECD5-01172021.D	01/17/20 17:00
Calibration Check	0A17019-CCV4	ECD5-01172022.D	01/17/20 17:17
Calibration Blank	0A17019-CCB2	ECD5-01172023.D	01/17/20 17:34
PDI-099SC-B-06-08-191022	A9J0861-38RE2	ECD5-01172030.D	01/17/20 19:44
PDI-099SC-B-02-04-191022	A9J0861-36RE2	ECD5-01172034.D	01/17/20 20:59
PDI-099SC-B-04-06-191022	A9J0861-37RE2	ECD5-01172036.D	01/17/20 21:37
Calibration Check	0A17019-CCV5	ECD5-01172038.D	01/17/20 22:15
Calibration Check	0A17019-CCV6	ECD5-01172039.D	01/17/20 22:32
Calibration Blank	0A17019-CCB3	ECD5-01172040.D	01/17/20 22:49

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.

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: A0A0906

Date: 01/09/20 14:49

Instrument: DUALECD5

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD [2C]	184439.9	Ave	9.605745	8.643111	1.280134E-02			20	
2,4'-DDE	142591.4	Ave	9.811269	7.342222	7.204752E-03			20	
2,4'-DDE [2C]	210590.9	Ave	8.531601	8.268333	1.726557E-02			20	
2,4'-DDT	146476.3	Ave	9.825225	7.898555	1.066419E-02			20	
2,4'-DDT [2C]	207138.5	XXX	11.41942	8.870445	4.91588E-03				
4,4'-DDD	172653.6	Ave	2.178027	8.015889	1.803436E-02			20	
4,4'-DDD [2C]	245806.6	Ave	9.708042	8.908444	7.244163E-03			20	
4,4'-DDE	206185.8	Ave	1.663277	7.594444	2.216168E-02			20	
4,4'-DDE [2C]	302471.5	XXX	10.09506	8.490667	1.280995E-02				
4,4'-DDT	165661.7	Ave	4.350626	8.214889	2.098691E-02			20	
4,4'-DDT [2C]	228252.9	XXX	13.82611	9.137666	1.188783E-02				
2,4,5,6-TCMX (Surr) [2C]	298083.4	Ave	5.865502	6.126222	1.994939E-02			20	
Decachlorobiphenyl (Surr)	158816.5	XXX	10.60878	9.609556	1.864959E-02				

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

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A0A0906

Instrument: DUALECD5

Calibration Date: 01/09/20 14:49

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	172848	1	170626	2	175404	5	165919.6	10	168207.7	25	175695.7
4,4'-DDD [2C]	0.5	226570	1	228024	2	226703	5	228734.6	10	230106.3	25	246538.3
4,4'-DDE	0.5	205984	1	201598	2	205882.5	5	208070	10	202139.2	25	208465
4,4'-DDE [2C]	0.5	278282	1	277811	2	270717.5	5	284613	10	282646.2	25	308245.2
4,4'-DDT	0.5	169822	1	163203	2	159844	5	157993.8	10	154575.2	25	167817.7
4,4'-DDT [2C]	0.5	206192	1	203174	2	204336.5	5	205453.6	10	202334	25	229982.9
2,4,5,6-TCMX (Surr)	0.5	225726	1	211254	2	207758	5	190014.8	10	184038.3	25	185780.8
2,4,5,6-TCMX (Surr) [2C]	0.5	316438	1	311231	2	294522.5	5	275220.6	10	269632	25	289948.2
Decachlorobiphenyl (Surr)	0.5	192208	1	176609	2	170211.5	5	155122.6	10	147768.3	25	145968.8
Decachlorobiphenyl (Surr) [2C]	0.5	202416	1	194428	2	177552.5	5	166896.6	10	158682.9	25	163506.5

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: AOA0906

Instrument: DUALECD5

Matrix:

Calibration Date: 01/09/20 14:49

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	143736	1	143303	2	129266.5
2,4'-DDD [2C]							0.5	203698	1	193608	2	172787.5
2,4'-DDE							0.5	163452	1	161136	2	143165
2,4'-DDE [2C]							0.5	230012	1	220925	2	199825
2,4'-DDT							0.5	166662	1	162358	2	144684
2,4'-DDT [2C]							0.5	217156	1	215626	2	183950
4,4'-DDD	50	174327.1	100	177532	200	173322.2						
4,4'-DDD [2C]	50	262112.6	100	274047.5	200	289423.2						
4,4'-DDE	50	210966.2	100	209813.2	200	202754						
4,4'-DDE [2C]	50	326860	100	342401.6	200	350667.2						
4,4'-DDT	50	176497.5	100	172303.9	200	168898.5						
4,4'-DDT [2C]	50	251539.8	100	270459.7	200	280803.8						
2,4,5,6-TCMX (Surr)	50	186674.6	100	186080.1	200	180021						
2,4,5,6-TCMX (Surr) [2C]	50	299470	100	307263.2	200	319025						
Decachlorobiphenyl (Surr)	50	146485.7	100	147363.6	200	147610.5						
Decachlorobiphenyl (Surr) [2C]	50	167129.6	100	183258.6	200	187652.6						

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: AOA0906

Instrument: DUALECD5

Matrix:

Calibration Date: 01/09/20 14:49

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	130902.6	10	126332.6	25	111004.7	50	115879.8	100	116925.1	200	127755
2,4'-DDD [2C]	5	184836.2	10	173759.8	25	160041.2	50	170518.3	100	184379.2	200	216331.1
2,4'-DDE	5	150078.2	10	142639.2	25	125983	50	126180	100	129015.7	200	141673.8
2,4'-DDE [2C]	5	212891.8	10	200402.7	25	187451.1	50	193424.7	100	207630.4	200	242755.7
2,4'-DDT	5	153929.4	10	148509.6	25	124868.4	50	133927.9	100	130187.4	200	153160
2,4'-DDT [2C]	5	206068.8	10	199219.6	25	180318.5	50	190790.3	100	212105.1	200	259012.4

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>DUALECD5</u>	Calibration: <u>A0A0906</u>
Lab File ID: <u>ECD5-01082021.D</u>	
Sequence: <u>0A08041</u>	Inject Date: <u>01/08/20</u>
Lab Sample ID: <u>0A08041-ICV1</u>	Inject Time: <u>17:42</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	47.8	-4.5	70 - 130
4,4'-DDD [2C]	50.0	50.7	1.5	70 - 130
4,4'-DDE	50.0	49.1	-1.7	70 - 130
4,4'-DDE [2C]	50.0	50.1	0.2	70 - 130
4,4'-DDT	50.0	49.5	-0.9	70 - 130
4,4'-DDT [2C]	50.0	51.4	2.8	70 - 130
2,4,5,6-TCMX (Surr)	50.0	46.6	-6.8	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	47.2	-5.6	70 - 130
Decachlorobiphenyl (Surr)	50.0	47.7	-4.7	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	45.4	-9.2	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: DUALECD5 Calibration: A0A0906
Lab File ID: ECD5-01082032.D
Sequence: 0A08041 Inject Date: 01/08/20
Lab Sample ID: 0A08041-ICV2 Inject Time: 20:50

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	48.0	-4.0	70 - 130
2,4'-DDD [2C]	50.0	49.9	-0.2	70 - 130
2,4'-DDE	50.0	46.9	-6.1	70 - 130
2,4'-DDE [2C]	50.0	49.9	-0.2	70 - 130
2,4'-DDT	50.0	47.1	-5.9	70 - 130
2,4'-DDT [2C]	50.0	50.6	1.1	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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01092004.D

Calibration Date: 01/09/20 14:49

Sequence: 0A09021

Injection Date: 01/09/20

Lab Sample ID: 0A09021-CCV1

Injection Time: 11:40

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	48.9		172653.6	168707.5	-2.3	20
4,4'-DDD [2C]	Ave	50.0	55.4		245806.6	272455.8	10.8	20
4,4'-DDE	Ave	50.0	49.7		206185.8	205025	-0.6	20
4,4'-DDE [2C]	XXX	50.0	53.9	7.9				20
4,4'-DDT	Ave	50.0	51.8		165661.7	171605.6	3.6	20
4,4'-DDT [2C]	XXX	50.0	56.5	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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01092005.D

Calibration Date: 01/09/20 14:49

Sequence: 0A09021

Injection Date: 01/09/20

Lab Sample ID: 0A09021-CCV2

Injection Time: 11:57

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	45.7		127233.9	116389.6	-8.5	20
2,4'-DDD [2C]	Ave	50.0	50.1		184439.9	184897.9	0.2	20
2,4'-DDE	Ave	50.0	46.9		142591.4	133766.5	-6.2	20
2,4'-DDE [2C]	Ave	50.0	50.6		210590.9	213137.2	1.2	20
2,4'-DDT	Ave	50.0	48.0		146476.3	140713.3	-3.9	20
2,4'-DDT [2C]	XXX	50.0	52.4	4.8				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01092024.D

Calibration Date: 01/09/20 14:49

Sequence: 0A09021

Injection Date: 01/09/20

Lab Sample ID: 0A09021-CCV3

Injection Time: 17:47

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	115		172653.6	198561.4	15.0	20
4,4'-DDD [2C]	Ave	100	129		245806.6	317290.2	29.1*	20
4,4'-DDE	Ave	100	112		206185.8	230697.1	11.9	20
4,4'-DDE [2C]	XXX	100	118	17.6				20
4,4'-DDT	Ave	100	120		165661.7	199009.3	20.1*	20
4,4'-DDT [2C]	XXX	100	121	20.8 *				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01092025.D

Calibration Date: 01/09/20 14:49

Sequence: 0A09021

Injection Date: 01/09/20

Lab Sample ID: 0A09021-CCV4

Injection Time: 18:04

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	89.3		127233.9	113584.3	-10.7	20
2,4'-DDD [2C]	Ave	100	101		184439.9	185422.4	0.5	20
2,4'-DDE	Ave	100	88.9		142591.4	126731.9	-11.1	20
2,4'-DDE [2C]	Ave	100	101		210590.9	213585.1	1.4	20
2,4'-DDT	Ave	100	90.2		146476.3	132055.1	-9.8	20
2,4'-DDT [2C]	XXX	100	101	0.7				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01092041.D

Calibration Date: 01/09/20 14:49

Sequence: 0A09021

Injection Date: 01/09/20

Lab Sample ID: 0A09021-CCV5

Injection Time: 23:02

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	47.3		172653.6	163495.5	-5.3	20
4,4'-DDD [2C]	Ave	50.0	52.7		245806.6	259072.4	5.4	20
4,4'-DDE	Ave	50.0	46.5		206185.8	191750.6	-7.0	20
4,4'-DDE [2C]	XXX	50.0	50.5	1.0				20
4,4'-DDT	Ave	50.0	50.2		165661.7	166391.4	0.4	20
4,4'-DDT [2C]	XXX	50.0	53.6	7.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01092042.D

Calibration Date: 01/09/20 14:49

Sequence: 0A09021

Injection Date: 01/09/20

Lab Sample ID: 0A09021-CCV6

Injection Time: 23:19

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	47.5		127233.9	120956	-4.9	20
2,4'-DDD [2C]	Ave	50.0	52.3		184439.9	193065.2	4.7	20
2,4'-DDE	Ave	50.0	48.1		142591.4	137060.7	-3.9	20
2,4'-DDE [2C]	Ave	50.0	52.5		210590.9	220935.6	4.9	20
2,4'-DDT	Ave	50.0	50.8		146476.3	148690.4	1.5	20
2,4'-DDT [2C]	XXX	50.0	58.0	15.9				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01162004.D

Calibration Date: 01/09/20 14:49

Sequence: 0A16028

Injection Date: 01/16/20

Lab Sample ID: 0A16028-CCV1

Injection Time: 11:46

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	43.0		172653.6	148416.4	-14.0	20
4,4'-DDD [2C]	Ave	50.0	54.3		245806.6	267173.6	8.7	20
4,4'-DDE	Ave	50.0	44.5		206185.8	183426.8	-11.0	20
4,4'-DDE [2C]	XXX	50.0	52.0	4.1				20
4,4'-DDT	Ave	50.0	46.6		165661.7	154452.1	-6.8	20
4,4'-DDT [2C]	XXX	50.0	55.3	10.7				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01162005.D

Calibration Date: 01/09/20 14:49

Sequence: 0A16028

Injection Date: 01/16/20

Lab Sample ID: 0A16028-CCV2

Injection Time: 12:03

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	41.7		127233.9	106087.9	-16.6	20
2,4'-DDD [2C]	Ave	50.0	50.1		184439.9	184841.6	0.2	20
2,4'-DDE	Ave	50.0	42.0		142591.4	119780.8	-16.0	20
2,4'-DDE [2C]	Ave	50.0	50.0		210590.9	210754.2	0.08	20
2,4'-DDT	Ave	50.0	44.8		146476.3	131265.2	-10.4	20
2,4'-DDT [2C]	XXX	50.0	53.9	7.8				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01162024.D

Calibration Date: 01/09/20 14:49

Sequence: 0A16028

Injection Date: 01/16/20

Lab Sample ID: 0A16028-CCV3

Injection Time: 17:54

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	100	82.9		172653.6	143170.8	-17.1	20
4,4'-DDD [2C]	Ave	100	106		245806.6	261622.2	6.4	20
4,4'-DDE	Ave	100	86.0		206185.8	177367.5	-14.0	20
4,4'-DDE [2C]	XXX	100	96.4	-3.6				20
4,4'-DDT	Ave	100	90.6		165661.7	150090.3	-9.4	20
4,4'-DDT [2C]	XXX	100	98.5	-1.5				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01162025.D

Calibration Date: 01/09/20 14:49

Sequence: 0A16028

Injection Date: 01/16/20

Lab Sample ID: 0A16028-CCV4

Injection Time: 18:11

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	74.5		127233.9	94848.72	-25.5*	20
2,4'-DDD [2C]	Ave	100	98.5		184439.9	181656.2	-1.5	20
2,4'-DDE	Ave	100	77.4		142591.4	110311.8	-22.6*	20
2,4'-DDE [2C]	Ave	100	97.4		210590.9	205073.2	-2.6	20
2,4'-DDT	Ave	100	79.5		146476.3	116481.7	-20.5*	20
2,4'-DDT [2C]	XXX	100	96.4	-3.6				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01162047.D

Calibration Date: 01/09/20 14:49

Sequence: 0A16028

Injection Date: 01/17/20

Lab Sample ID: 0A16028-CCV5

Injection Time: 01:02

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	40.6		172653.6	140224.6	-18.8	20
4,4'-DDD [2C]	Ave	50.0	51.5		245806.6	253278.4	3.0	20
4,4'-DDE	Ave	50.0	40.9		206185.8	168603.8	-18.2	20
4,4'-DDE [2C]	XXX	50.0	48.7	-2.6				20
4,4'-DDT	Ave	50.0	43.0		165661.7	142546.7	-14.0	20
4,4'-DDT [2C]	XXX	50.0	49.2	-1.6				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01162048.D

Calibration Date: 01/09/20 14:49

Sequence: 0A16028

Injection Date: 01/17/20

Lab Sample ID: 0A16028-CCV6

Injection Time: 01:19

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	40.6		127233.9	103253.9	-18.8	20
2,4'-DDD [2C]	Ave	50.0	50.3		184439.9	185691.1	0.7	20
2,4'-DDE	Ave	50.0	41.6		142591.4	118707.9	-16.7	20
2,4'-DDE [2C]	Ave	50.0	48.6		210590.9	204482.4	-2.9	20
2,4'-DDT	Ave	50.0	42.7		146476.3	125023.8	-14.6	20
2,4'-DDT [2C]	XXX	50.0	52.8	5.6				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: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01172004.D

Calibration Date: 01/09/20 14:49

Sequence: 0A17019

Injection Date: 01/17/20

Lab Sample ID: 0A17019-CCV1

Injection Time: 11:44

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	40.8		172653.6	141058.2	-18.3	20
4,4'-DDD [2C]	Ave	50.0	53.6		245806.6	263416.6	7.2	20
4,4'-DDE	Ave	50.0	42.6		206185.8	175819	-14.7	20
4,4'-DDE [2C]	XXX	50.0	53.1	6.1				20
4,4'-DDT	Ave	50.0	41.7		165661.7	138264.7	-16.5	20
4,4'-DDT [2C]	XXX	50.0	49.7	-0.7				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01172005.D

Calibration Date: 01/09/20 14:49

Sequence: 0A17019

Injection Date: 01/17/20

Lab Sample ID: 0A17019-CCV2

Injection Time: 12:01

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	35.2		127233.9	89565.64	-29.6*	20
2,4'-DDD [2C]	Ave	50.0	44.5		184439.9	164171.7	-11.0	20
2,4'-DDE	Ave	50.0	36.1		142591.4	102879.2	-27.9*	20
2,4'-DDE [2C]	Ave	50.0	44.7		210590.9	188115.7	-10.7	20
2,4'-DDT	Ave	50.0	34.9		146476.3	102154.4	-30.3*	20
2,4'-DDT [2C]	XXX	50.0	44.3	-11.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01172021.D

Calibration Date: 01/09/20 14:49

Sequence: 0A17019

Injection Date: 01/17/20

Lab Sample ID: 0A17019-CCV3

Injection Time: 17:00

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	76.0		172653.6	131201.7	-24.0*	20
4,4'-DDD [2C]	Ave	100	103		245806.6	252165	2.6	20
4,4'-DDE	Ave	100	79.0		206185.8	162955.2	-21.0*	20
4,4'-DDE [2C]	XXX	100	93.5	-6.5				20
4,4'-DDT	Ave	100	82.1		165661.7	136090	-17.9	20
4,4'-DDT [2C]	XXX	100	95.6	-4.4				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01172022.D

Calibration Date: 01/09/20 14:49

Sequence: 0A17019

Injection Date: 01/17/20

Lab Sample ID: 0A17019-CCV4

Injection Time: 17:17

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	100	63.2		127233.9	80382.46	-36.8*	20
2,4'-DDD [2C]	Ave	100	90.8		184439.9	167386	-9.2	20
2,4'-DDE	Ave	100	71.0		142591.4	101185.1	-29.0*	20
2,4'-DDE [2C]	Ave	100	91.2		210590.9	191954.2	-8.8	20
2,4'-DDT	Ave	100	70.3		146476.3	102986.2	-29.7*	20
2,4'-DDT [2C]	XXX	100	88.8	-11.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01172038.D

Calibration Date: 01/09/20 14:49

Sequence: 0A17019

Injection Date: 01/17/20

Lab Sample ID: 0A17019-CCV5

Injection Time: 22:15

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	33.2		172653.6	114773.9	-33.5*	20
4,4'-DDD [2C]	Ave	50.0	45.4		245806.6	223082.2	-9.2	20
4,4'-DDE	Ave	50.0	35.7		206185.8	147068.2	-28.7*	20
4,4'-DDE [2C]	XXX	50.0	45.4	-9.3				20
4,4'-DDT	Ave	50.0	39.3		165661.7	130360.2	-21.3*	20
4,4'-DDT [2C]	XXX	50.0	48.4	-3.2				20

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

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Instrument ID: DUALECD5

Calibration: A0A0906

Lab File ID: ECD5-01172039.D

Calibration Date: 01/09/20 14:49

Sequence: 0A17019

Injection Date: 01/17/20

Lab Sample ID: 0A17019-CCV6

Injection Time: 22:32

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	Ave	50.0	29.6		127233.9	75356.96	-40.8*	20
2,4'-DDD [2C]	Ave	50.0	40.4		184439.9	149073.3	-19.2	20
2,4'-DDE	Ave	50.0	32.3		142591.4	92152.82	-35.4*	20
2,4'-DDE [2C]	Ave	50.0	42.5		210590.9	179173.1	-14.9	20
2,4'-DDT	Ave	50.0	34.8		146476.3	101996.3	-30.4*	20
2,4'-DDT [2C]	XXX	50.0	45.7	-8.7				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 Co</u>
Sequence: <u>0A08041</u>	Instrument: <u>DUALECD5</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A0906</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0A08041-ICV1)			Lab File ID: ECD5-01082021.D		Analyzed: 01/08/20 17:42			
2,4,5,6-TCMX (Surr)	50.0	93	70 - 130	5.402	5.402555	-0.0006	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	94	70 - 130	6.125	6.126222	-0.0012	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	70 - 130	9.608	9.609556	-0.0016	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	91	70 - 130	10.74	10.74122	-0.0012	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT 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: 0A09021

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0A0906

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A09021-CCV1)			Lab File ID: ECD5-01092004.D		Analyzed: 01/09/20 11:40			
2,4,5,6-TCMX (Surr)	50.0	93	80 - 120	5.404	5.402555	0.0014	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	103	80 - 120	6.127	6.126222	0.0008	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	103	80 - 120	6.127	6.126222	0.0008	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	96	80 - 120	9.607	9.609556	-0.0026	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	99	80 - 120	10.738	10.74122	-0.0032	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	99	80 - 120	10.738	10.74122	-0.0032	+/-1.0	
Calibration Blank (0A09021-CCB1)			Lab File ID: ECD5-01092006.D		Analyzed: 01/09/20 12:14			
2,4,5,6-TCMX (Surr) [2C]	100	101	42 - 129	6.127	6.126222	0.0008	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	101	42 - 129	6.127	6.126222	0.0008	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	96	55 - 130	10.737	10.74122	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	96	55 - 130	10.737	10.74122	-0.0042	+/-1.0	
Blank (9121450-BLK1)			Lab File ID: ECD5-01092007.D		Analyzed: 01/09/20 12:31			
2,4,5,6-TCMX (Surr) [2C]	45.5	67	42 - 129	6.126	6.126222	-0.0002	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	45.5	67	42 - 129	6.126	6.126222	-0.0002	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	90	55 - 130	10.737	10.74122	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	90	55 - 130	10.737	10.74122	-0.0042	+/-1.0	
LCS (9121450-BS1)			Lab File ID: ECD5-01092008.D		Analyzed: 01/09/20 12:48			
2,4,5,6-TCMX (Surr) [2C]	50.0	77	42 - 129	6.125	6.126222	-0.0012	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	77	42 - 129	6.125	6.126222	-0.0012	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	91	55 - 130	10.737	10.74122	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	91	55 - 130	10.737	10.74122	-0.0042	+/-1.0	
PDI-034SC-A-03-04-191022 (A9J0861-03RE1)			Lab File ID: ECD5-01092009.D		Analyzed: 01/09/20 13:06			
2,4,5,6-TCMX (Surr) [2C]	64.6	71	42 - 129	6.125	6.126222	-0.0012	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.6	89	55 - 130	10.736	10.74122	-0.0052	+/-1.0	
Calibration Check (0A09021-CCV3)			Lab File ID: ECD5-01092024.D		Analyzed: 01/09/20 17:47			
2,4,5,6-TCMX (Surr)	100	104	80 - 120	5.4	5.402555	-0.0026	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	115	80 - 120	6.124	6.126222	-0.0022	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	115	80 - 120	6.124	6.126222	-0.0022	+/-1.0	
Decachlorobiphenyl (Surr)	100	107	80 - 120	9.6	9.609556	-0.0096	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	117	80 - 120	10.732	10.74122	-0.0092	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	117	80 - 120	10.732	10.74122	-0.0092	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0A09021
 Matrix: Soil

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD5
 Calibration: A0A0906

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Blank (0A09021-CCB2) Lab File ID: ECD5-01092026.D Analyzed: 01/09/20 18:22								
2,4,5,6-TCMX (Surr) [2C]	100	103	42 - 129	6.122	6.126222	-0.0042	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	103	42 - 129	6.122	6.126222	-0.0042	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	97	55 - 130	10.733	10.74122	-0.0082	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	97	55 - 130	10.733	10.74122	-0.0082	+/-1.0	
PDI-034SC-A-02-03-191022 (A9J0861-02RE1) Lab File ID: ECD5-01092027.D Analyzed: 01/09/20 18:39								
2,4,5,6-TCMX (Surr) [2C]	64.1	71	42 - 129	6.123	6.126222	-0.0032	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.1	107	55 - 130	10.734	10.74122	-0.0072	+/-1.0	
Calibration Check (0A09021-CCV5) Lab File ID: ECD5-01092041.D Analyzed: 01/09/20 23:02								
2,4,5,6-TCMX (Surr)	50.0	87	80 - 120	5.403	5.402555	0.0004	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	93	80 - 120	6.126	6.126222	-0.0002	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	93	80 - 120	6.126	6.126222	-0.0002	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	95	80 - 120	9.604	9.609556	-0.0056	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	96	80 - 120	10.736	10.74122	-0.0052	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	96	80 - 120	10.736	10.74122	-0.0052	+/-1.0	
Calibration Blank (0A09021-CCB3) Lab File ID: ECD5-01092043.D Analyzed: 01/09/20 23:36								
2,4,5,6-TCMX (Surr) [2C]	100	106	42 - 129	6.126	6.126222	-0.0002	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	106	42 - 129	6.126	6.126222	-0.0002	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	55 - 130	10.738	10.74122	-0.0032	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	55 - 130	10.738	10.74122	-0.0032	+/-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>0A16028</u>	Instrument: <u>DUALECD5</u>
Matrix: <u>Sediment</u>	Calibration: <u>A0A0906</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A16028-CCV1) Lab File ID: ECD5-01162004.D Analyzed: 01/16/20 11:46								
2,4,5,6-TCMX (Surr)	50.0	92	80 - 120	5.39	5.402555	-0.0126	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	105	80 - 120	6.118	6.126222	-0.0082	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	93	80 - 120	9.605	9.609556	-0.0046	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	97	80 - 120	10.738	10.74122	-0.0032	+/-1.0	
Calibration Blank (0A16028-CCB1) Lab File ID: ECD5-01162006.D Analyzed: 01/16/20 12:20								
2,4,5,6-TCMX (Surr) [2C]	100	101	42 - 129	6.115	6.126222	-0.0112	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	94	55 - 130	10.727	10.74122	-0.0142	+/-1.0	
Blank (0010220-BLK1) Lab File ID: ECD5-01162007.D Analyzed: 01/16/20 12:37								
2,4,5,6-TCMX (Surr) [2C]	45.5	68	42 - 129	6.114	6.126222	-0.0122	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	104	55 - 130	10.725	10.74122	-0.0162	+/-1.0	
LCS (0010220-BS1) Lab File ID: ECD5-01162008.D Analyzed: 01/16/20 12:55								
2,4,5,6-TCMX (Surr) [2C]	50.0	71	42 - 129	6.115	6.126222	-0.0112	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	102	55 - 130	10.728	10.74122	-0.0132	+/-1.0	
PDI-034SC-B-04-06-191022 (A9J0861-14RE1) Lab File ID: ECD5-01162009.D Analyzed: 01/16/20 13:12								
2,4,5,6-TCMX (Surr) [2C]	53.1	68	42 - 129	6.114	6.126222	-0.0122	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	53.1	103	55 - 130	10.725	10.74122	-0.0162	+/-1.0	
PDI-099SC-B-00-02-191022 (A9J0861-35RE1) Lab File ID: ECD5-01162010.D Analyzed: 01/16/20 13:29								
2,4,5,6-TCMX (Surr) [2C]	80.3	71	42 - 129	6.113	6.126222	-0.0132	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	80.3	110	55 - 130	10.725	10.74122	-0.0162	+/-1.0	
Calibration Check (0A16028-CCV3) Lab File ID: ECD5-01162024.D Analyzed: 01/16/20 17:54								
2,4,5,6-TCMX (Surr)	100	91	80 - 120	5.385	5.402555	-0.0176	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	104	80 - 120	6.112	6.126222	-0.0142	+/-1.0	
Decachlorobiphenyl (Surr)	100	91	80 - 120	9.591	9.609556	-0.0186	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	102	80 - 120	10.722	10.74122	-0.0192	+/-1.0	
Calibration Blank (0A16028-CCB2) Lab File ID: ECD5-01162026.D Analyzed: 01/16/20 18:29								
2,4,5,6-TCMX (Surr) [2C]	100	101	42 - 129	6.111	6.126222	-0.0152	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	98	55 - 130	10.723	10.74122	-0.0182	+/-1.0	
PDI-034SC-B-00-02-191022 (A9J0861-12RE1) Lab File ID: ECD5-01162029.D Analyzed: 01/16/20 19:23								
2,4,5,6-TCMX (Surr) [2C]	77.0	97	42 - 129	6.112	6.126222	-0.0142	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	77.0	157	55 - 130	10.723	10.74122	-0.0182	+/-1.0	*
PDI-034SC-B-02-04-191022 (A9J0861-13RE1) Lab File ID: ECD5-01162031.D Analyzed: 01/16/20 20:01								
2,4,5,6-TCMX (Surr) [2C]	61.4	94	42 - 129	6.113	6.126222	-0.0132	+/-1.0	
Decachlorobiphenyl (Surr)	61.4	138	55 - 130	9.59	9.609556	-0.0196	+/-1.0	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 0A16028
 Matrix: Sediment

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing Co
 Instrument: DUALECD5
 Calibration: A0A0906

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
PDI-083SC-B-00-02-191022 (A9J0861-31RE1)			Lab File ID: ECD5-01162033.D Analyzed: 01/16/20 20:39					
2,4,5,6-TCMX (Surr) [2C]	81.2	104	42 - 129	6.117	6.126222	-0.0092	+/-1.0	
Decachlorobiphenyl (Surr)	81.2	221	55 - 130	9.589	9.609556	-0.0206	+/-1.0	*
PDI-083SC-B-02-04-191022 (A9J0861-32RE1)			Lab File ID: ECD5-01162035.D Analyzed: 01/16/20 21:16					
2,4,5,6-TCMX (Surr) [2C]	84.4	99	42 - 129	6.115	6.126222	-0.0112	+/-1.0	
Decachlorobiphenyl (Surr)	84.4	134	55 - 130	9.59	9.609556	-0.0196	+/-1.0	*
PDI-083SC-B-04-06-191022 (A9J0861-33RE1)			Lab File ID: ECD5-01162037.D Analyzed: 01/16/20 21:54					
2,4,5,6-TCMX (Surr) [2C]	80.3	84	42 - 129	6.113	6.126222	-0.0132	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	80.3	127	55 - 130	10.72	10.74122	-0.0212	+/-1.0	
PDI-083SC-B-06-08-191022 (A9J0861-34RE1)			Lab File ID: ECD5-01162039.D Analyzed: 01/16/20 22:31					
2,4,5,6-TCMX (Surr) [2C]	82.5	97	42 - 129	6.113	6.126222	-0.0132	+/-1.0	
Decachlorobiphenyl (Surr)	82.5	134	55 - 130	9.588	9.609556	-0.0216	+/-1.0	*
PDI-099SC-B-02-04-191022 (A9J0861-36RE1)			Lab File ID: ECD5-01162041.D Analyzed: 01/16/20 23:09					
2,4,5,6-TCMX (Surr) [2C]	85.9	80	42 - 129	6.112	6.126222	-0.0142	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	85.9	128	55 - 130	10.72	10.74122	-0.0212	+/-1.0	
Calibration Check (0A16028-CCV5)			Lab File ID: ECD5-01162047.D Analyzed: 01/17/20 01:02					
2,4,5,6-TCMX (Surr)	50.0	92	80 - 120	5.385	5.402555	-0.0176	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	97	80 - 120	6.112	6.126222	-0.0142	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	96	80 - 120	9.592	9.609556	-0.0176	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	103	80 - 120	10.721	10.74122	-0.0202	+/-1.0	
Calibration Blank (0A16028-CCB3)			Lab File ID: ECD5-01162049.D Analyzed: 01/17/20 01:36					
2,4,5,6-TCMX (Surr) [2C]	100	105	42 - 129	6.112	6.126222	-0.0142	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	104	55 - 130	10.721	10.74122	-0.0202	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT 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: 0A17019

Instrument: DUALECD5

Matrix: Sediment

Calibration: A0A0906

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (0A17019-CCV1) Lab File ID: ECD5-01172004.D Analyzed: 01/17/20 11:44								
2,4,5,6-TCMX (Surr)	50.0	89	80 - 120	5.4	5.402555	-0.0026	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	102	80 - 120	6.128	6.126222	0.0018	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	93	80 - 120	9.606	9.609556	-0.0036	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	100	80 - 120	10.74	10.74122	-0.0012	+/-1.0	
Calibration Blank (0A17019-CCB1) Lab File ID: ECD5-01172006.D Analyzed: 01/17/20 12:19								
2,4,5,6-TCMX (Surr) [2C]	100	99	42 - 129	6.112	6.126222	-0.0142	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	97	55 - 130	10.72	10.74122	-0.0212	+/-1.0	
Calibration Check (0A17019-CCV3) Lab File ID: ECD5-01172021.D Analyzed: 01/17/20 17:00								
2,4,5,6-TCMX (Surr)	100	87	80 - 120	5.388	5.402555	-0.0146	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	98	80 - 120	6.115	6.126222	-0.0112	+/-1.0	
Decachlorobiphenyl (Surr)	100	91	80 - 120	9.594	9.609556	-0.0156	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	80 - 120	10.724	10.74122	-0.0172	+/-1.0	
Calibration Blank (0A17019-CCB2) Lab File ID: ECD5-01172023.D Analyzed: 01/17/20 17:34								
2,4,5,6-TCMX (Surr) [2C]	100	96	42 - 129	6.109	6.126222	-0.0172	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	98	55 - 130	10.717	10.74122	-0.0242	+/-1.0	
PDI-099SC-B-06-08-191022 (A9J0861-38RE2) Lab File ID: ECD5-01172030.D Analyzed: 01/17/20 19:44								
2,4,5,6-TCMX (Surr) [2C]	87.8	105	42 - 129	6.109	6.126222	-0.0172	+/-1.0	
Decachlorobiphenyl (Surr)	87.8	120	55 - 130	9.587	9.609556	-0.0226	+/-1.0	
PDI-099SC-B-02-04-191022 (A9J0861-36RE2) Lab File ID: ECD5-01172034.D Analyzed: 01/17/20 20:59								
2,4,5,6-TCMX (Surr) [2C]	85.9	72	42 - 129	6.109	6.126222	-0.0172	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	85.9	117	55 - 130	10.715	10.74122	-0.0262	+/-1.0	
PDI-099SC-B-04-06-191022 (A9J0861-37RE2) Lab File ID: ECD5-01172036.D Analyzed: 01/17/20 21:37								
2,4,5,6-TCMX (Surr) [2C]	84.6	95	42 - 129	6.115	6.126222	-0.0112	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	84.6	128	55 - 130	10.725	10.74122	-0.0162	+/-1.0	
Calibration Check (0A17019-CCV5) Lab File ID: ECD5-01172038.D Analyzed: 01/17/20 22:15								
2,4,5,6-TCMX (Surr)	50.0	86	80 - 120	5.383	5.402555	-0.0196	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	92	80 - 120	6.109	6.126222	-0.0172	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	90	80 - 120	9.597	9.609556	-0.0126	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	97	80 - 120	10.732	10.74122	-0.0092	+/-1.0	
Calibration Blank (0A17019-CCB3) Lab File ID: ECD5-01172040.D Analyzed: 01/17/20 22:49								
2,4,5,6-TCMX (Surr) [2C]	100	100	42 - 129	6.111	6.126222	-0.0152	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	103	55 - 130	10.719	10.74122	-0.0222	+/-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-034SC-A-02-03-191022	10/22/19 08:26	10/23/19 09:58	12/20/19 09:46	59.06	14.00	01/09/20 18:39	20.37	40.00	*
PDI-034SC-A-03-04-191022	10/22/19 08:26	10/23/19 09:58	12/20/19 09:46	59.06	14.00	01/09/20 13:06	20.14	40.00	*
PDI-034SC-B-00-02-191022	10/22/19 08:31	10/23/19 09:58	01/06/20 13:32	76.21	14.00	01/16/20 19:23	10.24	40.00	*
PDI-034SC-B-02-04-191022	10/22/19 08:34	10/23/19 09:58	01/06/20 13:32	76.21	14.00	01/16/20 20:01	10.27	40.00	*
PDI-034SC-B-04-06-191022	10/22/19 08:35	10/23/19 09:58	01/06/20 13:32	76.21	14.00	01/16/20 13:12	9.99	40.00	*
PDI-083SC-B-00-02-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:32	75.98	14.00	01/16/20 20:39	10.30	40.00	*
PDI-083SC-B-02-04-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:32	75.98	14.00	01/16/20 21:16	10.32	40.00	*
PDI-083SC-B-04-06-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:32	75.98	14.00	01/16/20 21:54	10.35	40.00	*
PDI-083SC-B-06-08-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:32	75.98	14.00	01/16/20 22:31	10.37	40.00	*
PDI-099SC-B-00-02-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:32	76.11	14.00	01/16/20 13:29	10.00	40.00	*
PDI-099SC-B-02-04-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:32	76.11	14.00	01/16/20 23:09	10.40	40.00	*
PDI-099SC-B-02-04-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:32	76.11	14.00	01/17/20 20:59	11.31	40.00	*
PDI-099SC-B-04-06-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:32	76.11	14.00	01/17/20 21:37	11.34	40.00	*
PDI-099SC-B-06-08-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:32	76.11	14.00	01/17/20 19:44	11.26	40.00	*

Apex Laboratories

SDG: Gasco PreRD_DG 2019

CLASS: GCMS

METHOD: EPA 8270D PAH

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270D PAH

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:

PDI-034SC-A-02-03-191022

PDI-034SC-A-03-04-191022

Lab Sample Id:

A9J0861-02

A9J0861-03

Matrix

Sediment

Sediment

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: _____

2/3/2020 12:59PM

Title: _____

Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270D PAH

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 PAH

PDI-034SC-A-02-03-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-02</u>	File ID: <u>N12271907.D</u>
Sampled: <u>10/22/19 08:26</u>	Prepared: <u>12/27/19 12:29</u>	Analyzed: <u>12/27/19 16:46</u>
Solids: <u>74.94</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.28 g / 5 mL</u>
Batch: <u>9121369</u>	Sequence: <u>9L27023</u>	Calibration: <u>A9I1001</u> Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1000	24400	BD
208-96-8	Acenaphthylene	1000	3400	D
120-12-7	Anthracene	1000	13100	D
56-55-3	Benz(a)anthracene	1000	9390	D
50-32-8	Benzo(a)pyrene	1000	12600	D
205-99-2	Benzo(b)fluoranthene	1000	10800	D
207-08-9	Benzo(k)fluoranthene	1000	3770	D
191-24-2	Benzo(g,h,i)perylene	1000	9320	D
218-01-9	Chrysene	1000	12400	D
53-70-3	Dibenz(a,h)anthracene	1000	1620	U
206-44-0	Fluoranthene	1000	40300	D
86-73-7	Fluorene	1000	12600	D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	8350	D
91-57-6	2-Methylnaphthalene	1000	19500	BD
91-20-3	Naphthalene	1000	126000	BD
85-01-8	Phenanthrene	1000	71300	BD
129-00-0	Pyrene	1000	37800	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	64.9	79.8	123	44 - 115	D
p-Terphenyl-d14 (Surr)	64.9	87.0	134	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	170739	7.749	180790	7.755	
Acenaphthene-d10 (ISTD)	117307	9.504	109710	9.509	
Phenanthrene-d10 (ISTD)	217818	11.013	197956	11.019	
Chrysene-d12 (ISTD)	209672	14.668	175038	14.679	
Perylene-d12 (ISTD)	201688	18.13	168746	18.136	
Dibenz(a,h)anthracene-d14 (ISTD)	177102	20.514	138586	20.525	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270D PAH

PDI-034SC-A-03-04-191022

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>Sediment</u>	Laboratory ID: <u>A9J0861-03</u>	File ID: <u>N12271908.D</u>
Sampled: <u>10/22/19 08:26</u>	Prepared: <u>12/27/19 12:29</u>	Analyzed: <u>12/27/19 17:18</u>
Solids: <u>74.71</u>	Preparation: <u>EPA 3546</u>	Initial/Final: <u>10.05 g / 5 mL</u>
Batch: <u>9121369</u>	Sequence: <u>9L27023</u>	Calibration: <u>A9I1001</u>
		Instrument: <u>SV-GCMS14</u>

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	620	BD
208-96-8	Acenaphthylene	4	36.5	D
120-12-7	Anthracene	4	110	D
56-55-3	Benz(a)anthracene	4	53.7	D
50-32-8	Benzo(a)pyrene	4	72.8	D
205-99-2	Benzo(b)fluoranthene	4	62.6	D
207-08-9	Benzo(k)fluoranthene	4	21.3	D
191-24-2	Benzo(g,h,i)perylene	4	54.6	D
218-01-9	Chrysene	4	77.1	D
53-70-3	Dibenz(a,h)anthracene	4	6.66	U
206-44-0	Fluoranthene	4	267	D
86-73-7	Fluorene	4	199	D
193-39-5	Indeno(1,2,3-cd)pyrene	4	47.2	D
91-57-6	2-Methylnaphthalene	4	110	BD
91-20-3	Naphthalene	4	849	BD
85-01-8	Phenanthrene	4	801	BD
129-00-0	Pyrene	4	243	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	66.6	56.3	85	44 - 115	
p-Terphenyl-d14 (Surr)	66.6	53.6	80	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	169789	7.749	180790	7.755	
Acenaphthene-d10 (ISTD)	114859	9.503	109710	9.509	
Phenanthrene-d10 (ISTD)	214280	11.013	197956	11.019	
Chrysene-d12 (ISTD)	204022	14.668	175038	14.679	
Perylene-d12 (ISTD)	204132	18.13	168746	18.136	
Dibenz(a,h)anthracene-d14 (ISTD)	172629	20.52	138586	20.525	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270D PAH

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Batch: 9121369

Batch Matrix: Sediment

Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	9121369-BLK1	N12271905.D	12/27/19 12:29	
LCS	9121369-BS1	N12271906.D	12/27/19 12:29	
PDI-034SC-A-02-03-191022	A9J0861-02	N12271907.D	12/27/19 12:29	
PDI-034SC-A-03-04-191022	A9J0861-03	N12271908.D	12/27/19 12:29	

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.

METHOD BLANK DATA SHEET
EPA 8270D PAH

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 Laboratory ID: 9121369-BLK1 File ID: N12271905.D
 Prepared: 12/27/19 12:29 Preparation: EPA 3546 Initial/Final: 11 g / 5 mL
 Analyzed: 12/27/19 15:42 Instrument: SV-GCMS14
 Batch: 9121369 Sequence: 9L27023 Calibration: A9I1001

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
83-32-9	Acenaphthene	2.70	B
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	3.19	B
91-20-3	Naphthalene	26.7	B
85-01-8	Phenanthrene	3.53	B
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	39.9	88	44 - 115	
p-Terphenyl-d14 (Surr)	45.5	38.9	85	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	172884	7.749	180790	7.755	
Acenaphthene-d10 (ISTD)	110896	9.503	109710	9.509	
Phenanthrene-d10 (ISTD)	210130	11.013	197956	11.019	
Chrysene-d12 (ISTD)	200909	14.668	175038	14.679	
Perylene-d12 (ISTD)	194825	18.13	168746	18.136	
Dibenz(a,h)anthracene-d14 (ISTD)	173074	20.52	138586	20.525	

LCS / LCS DUPLICATE RECOVERY

EPA 8270D PAH

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: 9121369

Laboratory ID: 9121369-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	18.4	92	40 - 122
Acenaphthylene	20.0	15.9	79	32 - 132
Anthracene	20.0	17.1	86	47 - 123
Benz(a)anthracene	20.0	16.1	81	49 - 126
Benzo(a)pyrene	20.0	16.8	84	45 - 129
Benzo(b)fluoranthene	20.0	16.4	82	45 - 132
Benzo(k)fluoranthene	20.0	17.0	85	47 - 132
Benzo(g,h,i)perylene	20.0	15.6	78	43 - 134
Chrysene	20.0	17.2	86	50 - 124
Dibenz(a,h)anthracene	20.0	16.3	81	45 - 134
Fluoranthene	20.0	19.0	95	50 - 127
Fluorene	20.0	17.4	87	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	16.0	80	45 - 133
2-Methylnaphthalene	20.0	16.8	84	38 - 122
Naphthalene	20.0	32.2	161 *	35 - 123
Phenanthrene	20.0	19.9	99	50 - 121
Pyrene	20.0	15.4	77	47 - 127

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270D PAH

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 9I06028

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	9I06028-TUN1	N09061911.D	09/06/19 15:51
Initial Cal Blank	9I06028-ICB1	N09061912.D	09/06/19 16:18
Cal Standard	9I06028-CAL1	N09061913.D	09/06/19 16:51
Cal Standard	9I06028-CAL2	N09061914.D	09/06/19 17:23
Cal Standard	9I06028-CAL3	N09061915.D	09/06/19 17:55
Cal Standard	9I06028-CAL4	N09061916.D	09/06/19 18:27
Cal Standard	9I06028-CAL5	N09061917.D	09/06/19 19:00
Cal Standard	9I06028-CAL6	N09061918.D	09/06/19 19:32
Cal Standard	9I06028-CAL7	N09061919.D	09/06/19 20:04
Cal Standard	9I06028-CAL8	N09061920.D	09/06/19 20:37
Cal Standard	9I06028-CAL9	N09061921.D	09/06/19 21:09
Cal Standard	9I06028-CALA	N09061922.D	09/06/19 21:41
Initial Cal Check	9I06028-ICV1	N09061924.D	09/06/19 22:45

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 PAH

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 9L27023

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	9L27023-TUN1	N12271901.D	12/27/19 09:24
Calibration Check	9L27023-CCV1	N12271902.D	12/27/19 09:51
Calibration Blank	9L27023-CCB1	N12271903.D	12/27/19 10:24
Blank	9121369-BLK1	N12271905.D	12/27/19 15:42
LCS	9121369-BS1	N12271906.D	12/27/19 16:14
PDI-034SC-A-02-03-191022	A9J0861-02	N12271907.D	12/27/19 16:46
PDI-034SC-A-03-04-191022	A9J0861-03	N12271908.D	12/27/19 17:18

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.

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D PAH

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: N09061911.D

Injection Date: 09/06/19

Instrument ID: SV-GCMS14

Injection Time: 15:51

Sequence: 9I06028

Lab Sample ID: 9I06028-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.53	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.47	PASS
m/z 197	Less than 2% of m/z 198	0.48	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.86	PASS
m/z 365	1 - 100% of m/z 198	3.62	PASS
m/z 441	Less than 150% of m/z 443	78.02	PASS
m/z 442	0.1 - 200% of m/z 198	93.14	PASS
m/z 443	15 - 24% of m/z 442	19.59	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270D PAH

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: N12271901.D

Injection Date: 12/27/19

Instrument ID: SV-GCMS14

Injection Time: 09:24

Sequence: 9L27023

Lab Sample ID: 9L27023-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.68	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.47	PASS
m/z 197	Less than 2% of m/z 198	0.17	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	4.10	PASS
m/z 441	Less than 150% of m/z 443	77.35	PASS
m/z 442	0.1 - 200% of m/z 198	136.21	PASS
m/z 443	15 - 24% of m/z 442	19.39	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270D PAH

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Calibration: A9I1001

Date: 09/10/19 10:37

Instrument: SV-GCMS14

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.421956	Ave	2.101464	9.6727	1.195025E-02			20	
Acenaphthylene	2.170985	Ave	2.552096	9.498	1.184114E-02			20	
Anthracene	1.088444	Ave	2.157422	11.223	6.057048E-03			20	
Benz(a)anthracene	1.161023	Ave	7.869327	14.886	2.183092E-02			20	
Benzo(a)pyrene	0.9876419	Ave	9.000056	18.2396	6.304434E-02			20	
Benzo(b)fluoranthene	1.153887	Ave	5.67895	17.4697	5.010002E-02			20	
Benzo(k)fluoranthene	1.136093	Ave	6.126	17.5355	5.121218E-02			20	
Benzo(g,h,i)perylene	1.308305	Ave	5.850826	21.3008	4.687611E-02			20	
Chrysene	1.098706	Ave	1.523471	14.9673	0.0413593			20	
Dibenz(a,h)anthracene	1.158853	Ave	3.005339	20.8333	3.856247E-02			20	
Fluoranthene	1.178979	Ave	4.301023	12.435	3.109609E-02			20	
Fluorene	1.455085	Ave	3.852542	10.1928	3.089686E-02			20	
Indeno(1,2,3-cd)pyrene	1.233305	Ave	3.076119	20.7652	4.855178E-02			20	
2-Methylnaphthalene	0.9346173	Ave	5.160882	8.5884	7.334806E-03			20	
Naphthalene	1.102926	Ave	2.419226	7.9059	1.784269E-02			20	
Phenanthrene	1.170171	Ave	3.845982	11.1707	1.240085E-02			20	
Pyrene	1.562337	Ave	6.478501	12.7234	2.554012E-02			20	
2-Fluorobiphenyl (Surr)	1.491847	Ave	2.25656	8.9523	3.166423E-02			20	
p-Terphenyl-d14 (Surr)	1.051726	Ave	4.2222	12.9315	1.002441E-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 PAH

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Calibration: A9I1001

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Te
 Instrument: SV-GCMS14
 Calibration Date: 09/10/19 10:37

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	1.438843	2.5	1.487282	5	1.404065	10	1.417353	25	1.419193	50	1.394003
Acenaphthylene	1	2.050122	2.5	2.174081	5	2.138587	10	2.170914	25	2.195113	50	2.171664
Anthracene	1	1.097223	2.5	1.089279	5	1.048542	10	1.062312	25	1.06872	50	1.076085
Benz(a)anthracene	1	1.393885	2.5	1.220902	5	1.088043	10	1.09326	25	1.113653	50	1.097579
Benzo(a)pyrene	1	0.9831077	2.5	0.860229	5	0.8587498	10	0.9020412	25	0.976879	50	1.004382
Benzo(b)fluoranthene	1	1.117055	2.5	1.085157	5	1.064599	10	1.091936	25	1.128411	50	1.163732
Benzo(k)fluoranthene	1	1.067445	2.5	1.081921	5	1.086293	10	1.035921	25	1.12827	50	1.118386
Benzo(b+k)fluoranthene(s)	2	1.112094	5	1.118006	10	1.116503	20	1.114938	50	1.172148	100	1.178575
Benzo(g,h,i)perylene	1	1.244973	2.5	1.184733	5	1.240673	10	1.251188	25	1.288531	50	1.327508
Chrysene	1	1.134167	2.5	1.107207	5	1.086845	10	1.086606	25	1.097682	50	1.081788
Dibenz(a,h)anthracene	1	1.172765	2.5	1.143563	5	1.121188	10	1.116162	25	1.120297	50	1.14373
Fluoranthene	1	1.194051	2.5	1.126776	5	1.104079	10	1.123912	25	1.161779	50	1.170777
Fluorene	1	1.368696	2.5	1.404786	5	1.408744	10	1.421664	25	1.460973	50	1.446685
Indeno(1,2,3-cd)pyrene	1	1.207624	2.5	1.279667	5	1.185249	10	1.191109	25	1.192038	50	1.22331
1-Methylnaphthalene	1	0.8213813	2.5	0.8752222	5	0.8374479	10	0.9164978	25	0.9229373	50	0.9636201
2-Methylnaphthalene	1	0.8933817	2.5	0.9068991	5	0.8805457	10	0.8856102	25	0.8950085	50	0.9411598
Naphthalene	1	1.158343	2.5	1.134973	5	1.097604	10	1.122705	25	1.090082	50	1.082918
Phenanthrene	1	1.287154	2.5	1.193603	5	1.137078	10	1.164716	25	1.154027	50	1.151784
Pyrene	1	1.63414	2.5	1.742266	5	1.585271	10	1.635519	25	1.580246	50	1.570799
Carbazole	1	0.8723786	2.5	0.8303246	5	0.809563	10	0.8178062	25	0.8662439	50	0.8707417
Dibenzofuran	1	1.760349	2.5	1.772666	5	1.736411	10	1.780314	25	1.790475	50	1.776721
2-Fluorobiphenyl (Surr)	1	1.423811	2.5	1.562065	5	1.481173	10	1.49926	25	1.499776	50	1.48226
p-Terphenyl-d14 (Surr)	1	1.150274	2.5	1.092469	5	1.036656	10	1.057709	25	1.06012	50	1.045507

INITIAL CALIBRATION DATA (Continued)

EPA 8270D PAH

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Calibration: A9I1001

Instrument: SV-GCMS14

Matrix:

Calibration Date: 09/10/19 10:37

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	1.443403	200	1.431066	300	1.387896	400	1.396451				
Acenaphthylene	100	2.247844	200	2.243032	300	2.16069	400	2.157799				
Anthracene	100	1.109829	200	1.115327	300	1.102277	400	1.114841				
Benz(a)anthracene	100	1.142091	200	1.148716	300	1.139155	400	1.17295				
Benzo(a)pyrene	100	1.043258	200	1.084563	300	1.067927	400	1.095282				
Benzo(b)fluoranthene	100	1.194311	200	1.23063	300	1.216813	400	1.246224				
Benzo(k)fluoranthene	100	1.195543	200	1.221498	300	1.197767	400	1.227883				
Benzo(b+k)fluoranthene(s)	200	1.228745	400	1.259094	600	1.236491	800	1.266041				
Benzo(g,h,i)perylene	100	1.387838	200	1.395223	300	1.36793	400	1.394456				
Chrysene	100	1.095048	200	1.103107	300	1.080265	400	1.114348				
Dibenz(a,h)anthracene	100	1.178156	200	1.193501	300	1.181668	400	1.217496				
Fluoranthene	100	1.201514	200	1.227472	300	1.217957	400	1.261473				
Fluorene	100	1.525529	200	1.545124	300	1.492702	400	1.475951				
Indeno(1,2,3-cd)pyrene	100	1.260309	200	1.262162	300	1.248776	400	1.282806				
1-Methylnaphthalene	100	0.9858109	200	1.024788	300	1.01574	400	0.9810225				
2-Methylnaphthalene	100	0.9654102	200	1.001432	300	1.001474	400	0.9752517				
Naphthalene	100	1.082489	200	1.091885	300	1.077863	400	1.090395				
Phenanthrene	100	1.157739	200	1.178493	300	1.133633	400	1.143483				
Pyrene	100	1.559688	200	1.478103	300	1.415905	400	1.421434				
Carbazole	100	0.9049028	200	0.9454096	300	0.9401746	400	0.949796				
Dibenzofuran	100	1.831193	200	1.826652	300	1.770993	400	1.764878				
2-Fluorobiphenyl (Surr)	100	1.499049	200	1.496115	300	1.47728	400	1.49768				
p-Terphenyl-d14 (Surr)	100	1.048827	200	1.020622	300	0.9928344	400	1.012238				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270D PAH

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>A9I1001</u>
Lab File ID: <u>N09061924.D</u>	
Sequence: <u>9I06028</u>	Inject Date: <u>09/06/19</u>
Lab Sample ID: <u>9I06028-ICV1</u>	Inject Time: <u>22:45</u>

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Acenaphthene	50.0	50.3	0.7	70 - 130
Acenaphthylene	50.0	51.9	3.9	70 - 130
Anthracene	50.0	51.8	3.6	70 - 130
Benz(a)anthracene	50.0	48.5	-3.0	70 - 130
Benzo(a)pyrene	50.0	51.2	2.4	70 - 130
Benzo(b)fluoranthene	50.0	50.6	1.2	70 - 130
Benzo(k)fluoranthene	50.0	50.0	-0.06	70 - 130
Benzo(g,h,i)perylene	50.0	53.6	7.2	70 - 130
Chrysene	50.0	52.4	4.8	70 - 130
Dibenz(a,h)anthracene	50.0	49.3	-1.3	70 - 130
Fluoranthene	50.0	50.6	1.1	70 - 130
Fluorene	50.0	50.9	1.7	70 - 130
Indeno(1,2,3-cd)pyrene	50.0	50.0	-0.05	70 - 130
2-Methylnaphthalene	50.0	46.8	-6.3	70 - 130
Naphthalene	50.0	49.9	-0.1	70 - 130
Phenanthrene	50.0	50.4	0.8	70 - 130
Pyrene	50.0	50.6	1.2	70 - 130
2-Fluorobiphenyl (Surr)	50.0	49.7	-0.7	70 - 130
p-Terphenyl-d14 (Surr)	50.0	48.7	-2.6	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270D PAH

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: A911001

Lab File ID: N12271902.D

Calibration Date: 09/10/19 10:37

Sequence: 9L27023

Injection Date: 12/27/19

Lab Sample ID: 9L27023-CCV1

Injection Time: 09:51

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	47.5		1.421956	1.349904	-5.1	20
Acenaphthylene	Ave	50.0	47.0		2.170985	2.039194	-6.1	20
Anthracene	Ave	50.0	46.0		1.088444	1.000687	-8.1	20
Benz(a)anthracene	Ave	50.0	44.4		1.161023	1.030782	-11.2	20
Benzo(a)pyrene	Ave	50.0	47.0		0.9876419	0.9275598	-6.1	20
Benzo(b)fluoranthene	Ave	50.0	46.9		1.153887	1.082846	-6.2	20
Benzo(k)fluoranthene	Ave	50.0	46.8		1.136093	1.063658	-6.4	20
Benzo(g,h,i)perylene	Ave	50.0	45.7		1.308305	1.194897	-8.7	20
Chrysene	Ave	50.0	46.8		1.098706	1.028142	-6.4	20
Dibenz(a,h)anthracene	Ave	50.0	49.3		1.158853	1.142597	-1.4	20
Fluoranthene	Ave	50.0	51.0		1.178979	1.201701	1.9	20
Fluorene	Ave	50.0	46.0		1.455085	1.33831	-8.0	20
Indeno(1,2,3-cd)pyrene	Ave	50.0	44.3		1.233305	1.092462	-11.4	20
2-Methylnaphthalene	Ave	50.0	40.9		0.9346173	0.7651861	-18.1	20
Naphthalene	Ave	50.0	48.8		1.102926	1.075989	-2.4	20
Phenanthrene	Ave	50.0	48.0		1.170171	1.123805	-4.0	20
Pyrene	Ave	50.0	45.4		1.562337	1.419052	-9.2	20

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

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D PAH

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>9I06028</u>	Instrument: <u>SV-GCMS14</u>
Matrix: <u>Sediment</u>	Calibration: <u>A9I1001</u>

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (9I06028-ICV1)			Lab File ID: N09061924.D		Analyzed: 09/06/19 22:45			
2-Fluorobiphenyl (Surr)	50.0	99	70 - 130	8.95	8.9523	-0.0023	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	97	70 - 130	12.925	12.9315	-0.0065	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270D PAH

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Sequence: 9L27023

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (9L27023-CCV1)			Lab File ID: N12271902.D		Analyzed: 12/27/19 09:51			
2-Fluorobiphenyl (Surr)	50.0	106	80 - 120	8.821	8.9523	-0.1313	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	91	80 - 120	12.762	12.9315	-0.1695	+/-1.0	
Calibration Blank (9L27023-CCB1)			Lab File ID: N12271903.D		Analyzed: 12/27/19 10:24			
2-Fluorobiphenyl (Surr)			44 - 115	8.822	8.9523	-0.1303	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	12.756	12.9315	-0.1755	+/-1.0	
Blank (9121369-BLK1)			Lab File ID: N12271905.D		Analyzed: 12/27/19 15:42			
2-Fluorobiphenyl (Surr)	45.5	88	44 - 115	8.821	8.9523	-0.1313	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	85	54 - 127	12.762	12.9315	-0.1695	+/-1.0	
LCS (9121369-BS1)			Lab File ID: N12271906.D		Analyzed: 12/27/19 16:14			
2-Fluorobiphenyl (Surr)	50.0	89	44 - 115	8.821	8.9523	-0.1313	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	84	54 - 127	12.756	12.9315	-0.1755	+/-1.0	
PDI-034SC-A-02-03-191022 (A9J0861-02)			Lab File ID: N12271907.D		Analyzed: 12/27/19 16:46			
2-Fluorobiphenyl (Surr)	64.9	123	44 - 115	8.822	8.9523	-0.1303	+/-1.0	*
p-Terphenyl-d14 (Surr)	64.9	134	54 - 127	12.756	12.9315	-0.1755	+/-1.0	*
PDI-034SC-A-03-04-191022 (A9J0861-03)			Lab File ID: N12271908.D		Analyzed: 12/27/19 17:18			
2-Fluorobiphenyl (Surr)	66.6	85	44 - 115	8.821	8.9523	-0.1313	+/-1.0	
p-Terphenyl-d14 (Surr)	66.6	80	54 - 127	12.756	12.9315	-0.1755	+/-1.0	

**INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D PAH**

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Sequence: 9L27023

Instrument: SV-GCMS14

Matrix: Sediment

Calibration: A9I1001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (9L27023-CCV1)			Lab File ID: N12271902.D			Analyzed: 12/27/19 09:51			
Naphthalene-d8 (ISTD)	180790	7.755	148351	7.883	122	50 - 200	-0.1280	+/-0.50	
Acenaphthene-d10 (ISTD)	109710	9.509	117951	9.638	93	50 - 200	-0.1290	+/-0.50	
Phenanthrene-d10 (ISTD)	197956	11.019	219661	11.147	90	50 - 200	-0.1280	+/-0.50	
Chrysene-d12 (ISTD)	175038	14.679	169841	14.907	103	50 - 200	-0.2280	+/-0.50	
Perylene-d12 (ISTD)	168746	18.136	142416	18.375	118	50 - 200	-0.2390	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	138586	20.525	93265	20.765	149	50 - 200	-0.2400	+/-0.50	
Calibration Blank (9L27023-CCB1)			Lab File ID: N12271903.D			Analyzed: 12/27/19 10:24			
Naphthalene-d8 (ISTD)	170784	7.749	180790	7.755	94	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	106963	9.504	109710	9.509	97	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	196468	11.013	197956	11.019	99	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	186328	14.668	175038	14.679	106	50 - 200	-0.0110	+/-0.50	
Perylene-d12 (ISTD)	177744	18.13	168746	18.136	105	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	155990	20.514	138586	20.525	113	50 - 200	-0.0110	+/-0.50	
Blank (9121369-BLK1)			Lab File ID: N12271905.D			Analyzed: 12/27/19 15:42			
Naphthalene-d8 (ISTD)	172884	7.749	180790	7.755	96	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	110896	9.503	109710	9.509	101	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	210130	11.013	197956	11.019	106	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	200909	14.668	175038	14.679	115	50 - 200	-0.0110	+/-0.50	
Perylene-d12 (ISTD)	194825	18.13	168746	18.136	115	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	173074	20.52	138586	20.525	125	50 - 200	-0.0050	+/-0.50	
LCS (9121369-BS1)			Lab File ID: N12271906.D			Analyzed: 12/27/19 16:14			
Naphthalene-d8 (ISTD)	178530	7.749	180790	7.755	99	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	119956	9.503	109710	9.509	109	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	224666	11.013	197956	11.019	113	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	215150	14.668	175038	14.679	123	50 - 200	-0.0110	+/-0.50	
Perylene-d12 (ISTD)	210590	18.13	168746	18.136	125	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	184489	20.514	138586	20.525	133	50 - 200	-0.0110	+/-0.50	
PDI-034SC-A-02-03-191022 (A9J0861-02)			Lab File ID: N12271907.D			Analyzed: 12/27/19 16:46			
Naphthalene-d8 (ISTD)	170739	7.749	180790	7.755	94	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	117307	9.504	109710	9.509	107	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	217818	11.013	197956	11.019	110	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	209672	14.668	175038	14.679	120	50 - 200	-0.0110	+/-0.50	
Perylene-d12 (ISTD)	201688	18.13	168746	18.136	120	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	177102	20.514	138586	20.525	128	50 - 200	-0.0110	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270D PAH

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Sequence: 9L27023
 Matrix: Sediment

SDG: Gasco PreRD DG 2019
 Project: Gasco PreRD DG 2019 - 4a-b. DOC-CAP Testing C
 Instrument: SV-GCMS14
 Calibration: A9I1001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
PDI-034SC-A-03-04-191022 (A9J0861-03)			Lab File ID: N12271908.D			Analyzed: 12/27/19 17:18			
Naphthalene-d8 (ISTD)	169789	7.749	180790	7.755	94	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	114859	9.503	109710	9.509	105	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	214280	11.013	197956	11.019	108	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	204022	14.668	175038	14.679	117	50 - 200	-0.0110	+/-0.50	
Perylene-d12 (ISTD)	204132	18.13	168746	18.136	121	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	172629	20.52	138586	20.525	125	50 - 200	-0.0050	+/-0.50	
Matrix Spike (9121369-MS1)			Lab File ID: N12271913.D			Analyzed: 12/27/19 19:58			
Naphthalene-d8 (ISTD)	162632	7.749	180790	7.755	90	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	113703	9.503	109710	9.509	104	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	201684	11.013	197956	11.019	102	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	180478	14.668	175038	14.679	103	50 - 200	-0.0110	+/-0.50	
Perylene-d12 (ISTD)	178214	18.13	168746	18.136	106	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	147311	20.514	138586	20.525	106	50 - 200	-0.0110	+/-0.50	
Matrix Spike Dup (9121369-MSD1)			Lab File ID: N12271914.D			Analyzed: 12/27/19 20:30			
Naphthalene-d8 (ISTD)	170528	7.749	180790	7.755	94	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	116423	9.504	109710	9.509	106	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	213351	11.013	197956	11.019	108	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	206666	14.674	175038	14.679	118	50 - 200	-0.0050	+/-0.50	
Perylene-d12 (ISTD)	207273	18.13	168746	18.136	123	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	172769	20.52	138586	20.525	125	50 - 200	-0.0050	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270D PAH

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-034SC-A-02-03-191022	10/22/19 08:26	10/23/19 09:58	12/27/19 12:29	66.17	14.00	12/27/19 16:46	0.18	40.00	*
PDI-034SC-A-03-04-191022	10/22/19 08:26	10/23/19 09:58	12/27/19 12:29	66.17	14.00	12/27/19 17:18	0.20	40.00	*

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 Co

Client Sample Id:

PDI-034SC-A-02-03-191022

PDI-034SC-A-03-04-191022

Lab Sample Id:

A9J0861-02

A9J0861-03

Matrix

Sediment

Sediment

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:

2/3/2020 12:59PM

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: Sediment

Analyte	MDL	MRL	Units
Total Organic Carbon	200	200	mg/kg

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

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-034SC-A-02-03-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-02

File ID: 9L19041.txt-025

Sampled: 10/22/19 08:26

Prepared: 12/18/19 17:16

Analyzed: 12/19/19 19:25

Solids: 74.94

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 9121092

Sequence: 9L19041

Calibration: A9K2205

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.27	1		SM 5310 B MOD

INORGANIC ANALYSIS DATA SHEET
SM 5310 B MOD

PDI-034SC-A-03-04-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-03

File ID: 9L19041.txt-029

Sampled: 10/22/19 08:26

Prepared: 12/18/19 17:16

Analyzed: 12/19/19 20:08

Solids: 74.71

Preparation: PSEP-5310B TOC

Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 9121092

Sequence: 9L19041

Calibration: A9K2205

Instrument: TOC6

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.13	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: 9121092 Batch Matrix: Soil

Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	9121092-BLK1	9L19041.txt-023	12/18/19 17:16	
LCS	9121092-BS1	9L19041.txt-024	12/18/19 17:16	
PDI-034SC-A-02-03-191022 (Dup)	9121092-DUP1	9L19041.txt-026	12/18/19 17:16	
PDI-034SC-A-02-03-191022	A9J0861-02	9L19041.txt-025	12/18/19 17:16	
PDI-034SC-A-03-04-191022	A9J0861-03	9L19041.txt-029	12/18/19 17:16	

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>9121092-BLK1</u>	File ID: <u>9L19041.txt-023</u>
Prepared: <u>12/18/19 17:16</u>	Preparation: <u>PSEP-5310B TOC</u>	Initial/Final: <u>0.2 N/A / 0.2 N/A</u>
Analyzed: <u>12/19/19 19:03</u>	Instrument: <u>TOC6</u>	
Batch: <u>9121092</u>	Sequence: <u>9L19041</u>	Calibration: <u>A9K2205</u>

CAS NO.	COMPOUND	CONC. (% by Weight)	Q
TOC	Total Organic Carbon	0.020	U

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: 9121092

Laboratory ID: 9121092-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	105	90 - 110

* = Values outside of QC limits

DUPLICATES
SM 5310 B MOD

PDI-034SC-A-02-03-191022

Laboratory: Apex Laboratories
 Client: Anchor QEA, LLC
 Matrix: Soil
 Batch: 9121092
 Preparation: PSEP-5310B TOC
 Source Sample Name: PDI-034SC-A-02-03-191022

SDG: Gasco PreRD_DG 2019
 Project: Gasco PreRD_DG 2019 - 4a-b. DOC-CAP
 Laboratory ID: 9121092-DUP1
 Lab Source ID: A9J0861-02
 Initial/Final: 0.2 N/A / 0.2 N/A
 % Solids: 74.94

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.27		0.36		28	*	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: 9K22043

Instrument: TOC6

Matrix: Sediment

Calibration: A9K2205

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	9K22043-CAL2	9K22043.txt-005	11/22/19 16:52
Cal Standard	9K22043-CAL3	9K22043.txt-006	11/22/19 17:03
Cal Standard	9K22043-CAL4	9K22043.txt-007	11/22/19 17:14
Cal Standard	9K22043-CAL5	9K22043.txt-008	11/22/19 17:25
Cal Standard	9K22043-CAL6	9K22043.txt-009	11/22/19 17:35
Cal Standard	9K22043-CAL7	9K22043.txt-010	11/22/19 17:46
Cal Standard	9K22043-CAL8	9K22043.txt-011	11/22/19 17:57
Cal Standard	9K22043-CAL9	9K22043.txt-012	11/22/19 18:08
Initial Cal Check	9K22043-ICV1	9K22043.txt-013	11/22/19 18:18
Initial Cal Blank	9K22043-ICB1	9K22043.txt-014	11/22/19 18:29

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.

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>9L19041</u>	Instrument:	<u>TOC6</u>
Matrix:	<u>Soil</u>	Calibration:	<u>A9K2205</u>

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	9L19041-CCV1	9L19041.txt-003	12/19/19 15:27
Calibration Blank	9L19041-CCB1	9L19041.txt-004	12/19/19 15:38
Calibration Check	9L19041-CCV2	9L19041.txt-015	12/19/19 17:37
Calibration Blank	9L19041-CCB2	9L19041.txt-016	12/19/19 17:47
Blank	9121092-BLK1	9L19041.txt-023	12/19/19 19:03
LCS	9121092-BS1	9L19041.txt-024	12/19/19 19:14
PDI-034SC-A-02-03-191022	A9J0861-02	9L19041.txt-025	12/19/19 19:25
PDI-034SC-A-02-03-191022 (Dup)	9121092-DUP1	9L19041.txt-026	12/19/19 19:35
Calibration Check	9L19041-CCV3	9L19041.txt-027	12/19/19 19:46
Calibration Blank	9L19041-CCB3	9L19041.txt-028	12/19/19 19:57
PDI-034SC-A-03-04-191022	A9J0861-03	9L19041.txt-029	12/19/19 20:08
Calibration Check	9L19041-CCV4	9L19041.txt-036	12/19/19 21:23
Calibration Blank	9L19041-CCB4	9L19041.txt-037	12/19/19 21:34

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.

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: A9K2205

Date: 11/22/19 16:02

Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	94.60773	Lin	2.898205			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: A9K2205

Instrument: TOC6

Calibration Date: 11/22/19 16:02

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	93.18835	500	91.1335	1000	92.96722	2500	94.3752	5000	92.28256	12500	98.10536

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: A9K2205

Instrument: TOC6

Matrix:

Calibration Date: 11/22/19 16:02

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	96.2846	50000	98.52502								

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: A9K2205

Control Limit: +/- 10.00%

Sequence: 9K22043

Lab Sample ID	Analyte	True	Found	%R	Units	Method
9K22043-ICV1	Total Organic Carbon	10000	10000	101	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: A9K2205

Control Limit: +/- 10.00%

Sequence: 9L19041

Lab Sample ID	Analyte	True	Found	%R	Units	Method
9L19041-CCV1	Total Organic Carbon	10000	11000	108	mg/kg	SM 5310 B MOD
9L19041-CCV2	Total Organic Carbon	10000	11000	110	mg/kg	SM 5310 B MOD
9L19041-CCV3	Total Organic Carbon	10000	11000	110	mg/kg	SM 5310 B MOD
9L19041-CCV4	Total Organic Carbon	10000	11000	110	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

Instrument ID: TOC6

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

Sequence: 9K22043

Calibration: A9K2205

Lab Sample ID	Analyte	Found	RL	Units	C	Method
9K22043-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: 9L19041

Calibration: A9K2205

Lab Sample ID	Analyte	Found	RL	Units	C	Method
9L19041-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
9L19041-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
9L19041-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		SM 5310 B MOD
9L19041-CCB4	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-034SC-A-02-03-191022	10/22/19 08:26	10/23/19 09:58	12/18/19 17:16	57.37	28.00	12/19/19 19:25	58.46	28.00	*
PDI-034SC-A-03-04-191022	10/22/19 08:26	10/23/19 09:58	12/18/19 17:16	57.37	28.00	12/19/19 20:08	58.49	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

<u>Client Sample Id:</u>	<u>Lab Sample Id:</u>	<u>Matrix</u>
<u>PDI-034SC-A-02-03-191022</u>	<u>A9J0861-02</u>	<u>Sediment</u>
<u>PDI-034SC-A-03-04-191022</u>	<u>A9J0861-03</u>	<u>Sediment</u>
<u>PDI-034SC-B-00-02-191022</u>	<u>A9J0861-12</u>	<u>Sediment</u>
<u>PDI-034SC-B-02-04-191022</u>	<u>A9J0861-13</u>	<u>Sediment</u>
<u>PDI-034SC-B-04-06-191022</u>	<u>A9J0861-14</u>	<u>Sediment</u>
<u>PDI-083SC-B-00-02-191022</u>	<u>A9J0861-31</u>	<u>Sediment</u>
<u>PDI-083SC-B-02-04-191022</u>	<u>A9J0861-32</u>	<u>Sediment</u>
<u>PDI-083SC-B-04-06-191022</u>	<u>A9J0861-33</u>	<u>Sediment</u>
<u>PDI-083SC-B-06-08-191022</u>	<u>A9J0861-34</u>	<u>Sediment</u>
<u>PDI-099SC-B-00-02-191022</u>	<u>A9J0861-35</u>	<u>Sediment</u>
<u>PDI-099SC-B-02-04-191022</u>	<u>A9J0861-36</u>	<u>Sediment</u>
<u>PDI-099SC-B-04-06-191022</u>	<u>A9J0861-37</u>	<u>Sediment</u>
<u>PDI-099SC-B-06-08-191022</u>	<u>A9J0861-38</u>	<u>Sediment</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: _____

2/3/2020 12:59PM

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-034SC-A-02-03-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-02

Sampled: 10/22/19 08:26

Prepared: 12/18/19 11:40

Analyzed: 12/27/19 17:41

Solids: 74.94

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 9121065

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	74.9	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-034SC-A-03-04-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-03

Sampled: 10/22/19 08:26

Prepared: 12/18/19 11:40

Analyzed: 12/27/19 17:41

Solids: 74.71

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 9121065

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	74.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-034SC-B-00-02-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-12

Sampled: 10/22/19 08:31

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 60.76

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	60.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-034SC-B-02-04-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-13

Sampled: 10/22/19 08:34

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 74.86

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	74.9	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-034SC-B-04-06-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-14

Sampled: 10/22/19 08:35

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 87.25

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	87.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-B-00-02-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-31

Sampled: 10/22/19 14:05

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 57.14

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	57.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-B-02-04-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-32

Sampled: 10/22/19 14:05

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 58.67

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	58.7	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-B-04-06-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-33

Sampled: 10/22/19 14:05

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 60.22

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	60.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-083SC-B-06-08-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-34

Sampled: 10/22/19 14:05

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 59.35

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	59.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-099SC-B-00-02-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-35

Sampled: 10/22/19 10:48

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 61.23

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	61.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-099SC-B-02-04-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-36

Sampled: 10/22/19 10:48

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 55.11

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	55.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-099SC-B-04-06-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-37

Sampled: 10/22/19 10:48

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 57.95

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	58.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

PDI-099SC-B-06-08-191022

Laboratory: Apex Laboratories

SDG: Gasco PreRD_DG 2019

Client: Anchor QEA, LLC

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

Matrix: Sediment

Laboratory ID: A9J0861-38

Sampled: 10/22/19 10:48

Prepared: 01/06/20 13:13

Analyzed: 01/17/20 16:47

Solids: 55.24

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Batch: 0010131

Calibration:

Instrument: Inst

CAS NO.	Analyte	Concentration (% by Weight)	Dilution Factor	Q	Method
TS	Total Solids	55.2	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: 0010131

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-034SC-B-00-02-191022 (Dup)	0010131-DUP1		01/06/20 13:13	
PDI-099SC-B-06-08-191022 (Dup)	0010131-DUP2		01/06/20 13:13	
PDI-034SC-B-00-02-191022	A9J0861-12		01/06/20 13:13	
PDI-034SC-B-02-04-191022	A9J0861-13		01/06/20 13:13	
PDI-034SC-B-04-06-191022	A9J0861-14		01/06/20 13:13	
PDI-083SC-B-00-02-191022	A9J0861-31		01/06/20 13:13	
PDI-083SC-B-02-04-191022	A9J0861-32		01/06/20 13:13	
PDI-083SC-B-04-06-191022	A9J0861-33		01/06/20 13:13	
PDI-083SC-B-06-08-191022	A9J0861-34		01/06/20 13:13	
PDI-099SC-B-00-02-191022	A9J0861-35		01/06/20 13:13	
PDI-099SC-B-02-04-191022	A9J0861-36		01/06/20 13:13	
PDI-099SC-B-04-06-191022	A9J0861-37		01/06/20 13:13	
PDI-099SC-B-06-08-191022	A9J0861-38		01/06/20 13:13	

Note: Client samples are listed only if they are included in this report.

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

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: 9121065

Batch Matrix: Sediment

Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-034SC-A-02-03-191022 (Dup)	9121065-DUP1		12/18/19 11:40	
PDI-034SC-A-02-03-191022	A9J0861-02		12/18/19 11:40	
PDI-034SC-A-03-04-191022	A9J0861-03		12/18/19 11:40	

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.

DUPLICATES

PDI-034SC-B-00-02-191022

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: 0010131-DUP1

Batch: 0010131

Lab Source ID: A9J0861-12

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Source Sample Name: PDI-034SC-B-00-02-191022

% Solids: 60.76

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	60.8		61.8		2		SM 2540 G

* Values outside of QC limits

DUPLICATES

PDI-099SC-B-06-08-191022

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: 0010131-DUP2

Batch: 0010131

Lab Source ID: A9J0861-38

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Source Sample Name: PDI-099SC-B-06-08-191022

% Solids: 55.24

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	55.2		55.5		0.5		SM 2540 G

* Values outside of QC limits

DUPLICATES

PDI-034SC-A-02-03-191022

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: 9121065-DUP1

Batch: 9121065

Lab Source ID: A9J0861-02

Preparation: Total Solids (SM2540G/PSEP)

Initial/Final: 1 N/A / 1 N/A

Source Sample Name: PDI-034SC-A-02-03-191022

% Solids: 74.94

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% by Weight)	C	DUPLICATE CONCENTRATION (% by Weight)	C	RPD %	Q	METHOD
Total Solids	10	74.9		74.8		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-034SC-A-02-03-191022	10/22/19 08:26	10/23/19 09:58	12/18/19 11:40	57.13	180.00	12/27/19 17:41	9.25		
PDI-034SC-A-03-04-191022	10/22/19 08:26	10/23/19 09:58	12/18/19 11:40	57.13	180.00	12/27/19 17:41	9.25		
PDI-034SC-B-00-02-191022	10/22/19 08:31	10/23/19 09:58	01/06/20 13:13	76.20	180.00	01/17/20 16:47	11.15		
PDI-034SC-B-02-04-191022	10/22/19 08:34	10/23/19 09:58	01/06/20 13:13	76.19	180.00	01/17/20 16:47	11.15		
PDI-034SC-B-04-06-191022	10/22/19 08:35	10/23/19 09:58	01/06/20 13:13	76.19	180.00	01/17/20 16:47	11.15		
PDI-083SC-B-00-02-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:13	75.96	180.00	01/17/20 16:47	11.15		
PDI-083SC-B-02-04-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:13	75.96	180.00	01/17/20 16:47	11.15		
PDI-083SC-B-04-06-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:13	75.96	180.00	01/17/20 16:47	11.15		
PDI-083SC-B-06-08-191022	10/22/19 14:05	10/23/19 09:58	01/06/20 13:13	75.96	180.00	01/17/20 16:47	11.15		
PDI-099SC-B-00-02-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:13	76.10	180.00	01/17/20 16:47	11.15		
PDI-099SC-B-02-04-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:13	76.10	180.00	01/17/20 16:47	11.15		
PDI-099SC-B-04-06-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:13	76.10	180.00	01/17/20 16:47	11.15		
PDI-099SC-B-06-08-191022	10/22/19 10:48	10/23/19 09:58	01/06/20 13:13	76.10	180.00	01/17/20 16:47	11.15		

Raw Data

**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Batch 9121119
Sequence 9L26011 (A9J0861-02)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: **9121119 (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	7/8	>11	
	9121119-BLK1	QC	12/19/19 10:36	31	2				100						
	9121119-BS1	QC	12/19/19 10:36	30	2	A19L171		100	100						
	A9J0553-46	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.66	5				100	PDI-086SC-B-06-08-191012	+1262,1268				
	A9J0553-47	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.35	5				100	PDI-090SC-B-00-02-191012	+1262,1268				
	A9J0553-48	B 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.81	5				100	PDI-090SC-B-02-04-191012	+1262,1268				
	A9J0553-49	B 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.82	5				100	PDI-090SC-B-04-06-191012	+1262,1268				
	A9J0553-50	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.24	5				100	PDI-090SC-B-06-08-191012	+1262,1268				
	A9J0558-12	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.32	5				100	PDI-073SC-B-00-02-191013	+1262,1268				
	A9J0558-13	B 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.72	5				100	PDI-073SC-B-02-04-191013	+1262,1268				
	A9J0558-14	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.31	5				100	PDI-073SC-B-04-06-191013	+1262,1268				
	A9J0558-15	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.14	5				100	PDI-073SC-B-06-08-191013	+1262,1268				
	A9J0558-30	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.5	5				100	PDI-075SC-B-00-02-191013	+1262,1268				
	A9J0558-31	B 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.96	2				100	PDI-075SC-B-02-04-191013	+1262,1268				
	A9J0558-32	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.44	2				100	PDI-075SC-B-04-06-191013	+1262,1268				
	A9J0558-33	B 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.34	2				100	PDI-075SC-B-06-08-191013	+1262,1268				
	A9J0558-46	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.49	2				100	PDI-076SC-B-00-02-191013	+1262,1268				
	A9J0861-02	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.43	2				100	PDI-034SC-A-02-03-191022	+1262,1268				
	A9J0861-03	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.4	2				100	PDI-034SC-A-03-04-191022	+1262,1268				
	A9J0903-05	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.3	2				100	PDI-057SC-A-04-05-191023	+1262,1268				

Prepared By: _____ Date: _____

[Signature]
Reviewed By: _____ Date: 1/9/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 912119 (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	7	>11
	A9J0903-06	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.2	2				100	PDI-057SC-A-05-06-191023	+1262,1268			
	A9J0903-24 <i>1/19/20</i>	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.84	2				100	PDI-062SC-A-06-07-191023	+1262,1268			
	A9J0903-25	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.43	2				100	PDI-062SC-A-07-08-191023	MS/MSD, +1262,1268			
	9121119-MS1	QC	12/19/19 10:36	30.39	2	A19L171	A9J0903-25	100	100					
	9121119-MSD1	QC	12/19/19 10:36	30.33	2	A19L171	A9J0903-25	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	A19L171	02/28/20	8082 PCB Matrix Spike	A19K319	05/07/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisil Lot 817211-CM						
A19G279	01/18/20	Sulfuric Acid						
A19H411	08/31/21	n-Hexane Lot# 192712						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L091	06/02/22	Sodium Sulfate Lot # 196883						

Method 3546 digestion time and temperture achieved.

Initial:

Witness: _____

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121119 (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	
1/2	9121119-BLK1	QC	12/19/19 10:36	30 31	2				100						
3/4	9121119-BS1	QC	12/19/19 10:36	30	2	A19L171		100	100						
5/6	A9J0553-46	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.66	2 5				100	PDI-086SC-B-06 -08-191012	+1262,1268 Mud	S			
7/8	A9J0553-47	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.35	2 5				100	PDI-090SC-B-00 -02-191012	+1262,1268 Mud	S			
9/10	A9J0553-48	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.81	2 5				100	PDI-090SC-B-02 -04-191012	+1262,1268 Mud	S			
11/12	A9J0553-49	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.82	2 5				100	PDI-090SC-B-04 -06-191012	+1262,1268 Mud	S			
13/14	A9J0553-50	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.24	2 5				100	PDI-090SC-B-06 -08-191012	+1262,1268 Mud	S			
15/16	A9J0558-12	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.32	2 5				100	PDI-073SC-B-00 -02-191013	+1262,1268 Mud odor	S			
17/18	A9J0558-13	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.72	2 5				100	PDI-073SC-B-02 -04-191013	+1262,1268 Mud odor	S			
19/20	A9J0558-14	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.31	2 5				100	PDI-073SC-B-04 -06-191013	+1262,1268 Mud odor	S			
21/22	A9J0558-15	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.14	2 5				100	PDI-073SC-B-06 -08-191013	+1262,1268 Mud odor	S			
23/24	A9J0558-30	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.50	2 5				100	PDI-075SC-B-00 -02-191013	+1262,1268 Mud odor	S			
25/26	A9J0558-31	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.96	2 5	JAG 12/19/19			100	PDI-075SC-B-02 -04-191013	+1262,1268 Mud	S			
27/28	A9J0558-32	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.44	2				100	PDI-075SC-B-04 -06-191013	+1262,1268 Mud	S			
29/30	A9J0558-33	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.34	2				100	PDI-075SC-B-06 -08-191013	+1262,1268 Mud Odor	S			
31/32	A9J0558-46	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.49	2				100	PDI-076SC-B-00 -02-191013	+1262,1268 Mud	S			
33/34	A9J0861-02	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.43	2				100	PDI-034SC-A-02 -03-191022	+1262,1268 Mud Odor	S			
35/36	A9J0861-03	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.40	2				100	PDI-034SC-A-03 -04-191022	+1262,1268 Mud	S			
37/38	A9J0903-05	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30 30.30	2				100	PDI-057SC-A-04 -05-191023	+1262,1268 Mud	S			

Prepared By: JAG Date: 12/19/19

Reviewed By: CAS Date: 12/19/19

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 9121119 (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	
31/40	A9J0903-06	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.20	2	/			100	PDI-057SC-A-05-06-191023	+1262,1268 <i>Mud</i>	S			
41/42	A9J0903-24	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.84	2	/			100	PDI-062SC-A-06-07-191023	+1262,1268 <i>Mud</i>	S			
47/44	A9J0903-25	A 8082 PCBs - Low Level (30g/2mL)	12/19/19 10:36	30.43	2	/			100	PDI-062SC-A-07-08-191023	MS/MSD, +1262,1268 <i>Mud</i>	S			
45/46	9121119-MS1	QC	12/19/19 10:36	30.39	2	/	A19L171	A9J0903-25	100			S			
47/48	9121119-MSD1	QC	12/19/19 10:36	30.33	2	/	A19L171	A9J0903-25	100			S			

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	A19L171	02/28/20	8082 PCB Matrix Spike	A19K319	05/07/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisil Lot 817211-CM						
A19G279	01/18/20	Sulfuric Acid						
A19H411	08/31/21	n-Hexane Lot# 192712						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L091	06/02/22	Sodium Sulfate Lot # 196883						

JAG

JAG

S - stained TurboVap before and after hexane exchange.

Method 3546 digestion time and temperture achieved.

Initial: *Court*

Witness: *J* 12/19/19

Prepared By: _____ Date: _____

Reviewed By: _____ Date: _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:

9L26011

Instrument:

DUALECD2F

Date:

12/26/19 07:17

Calibration:

A9L0407

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1.	9L26011-CCV1	Sediment	QC	QC				
2.	9L26011-CCB1	Sediment	QC	QC				A19L338
3.	A9J0553-45	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	12/27/19	9120981		A19L339
4.	9L26011-IBL1	Sediment	QC	QC				
5.	9120981-MS1	Sediment	QC	QC		9120981		
6.	9L26011-IBL2	Sediment	QC	QC				
7.	9120981-MSD1	Sediment	QC	QC		9120981		
8.	9L26011-IBL3	Sediment	QC	QC				
9.	A9J0558-12	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
10.	9L26011-IBL4	Sediment	QC	QC				
11.	9L26011-IBL5	Sediment	QC	QC				
12.	A9J0558-13	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
13.	9L26011-IBL6	Sediment	QC	QC				
14.	A9J0558-14	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
15.	9L26011-IBL7	Sediment	QC	QC				
16.	9L26011-CCV2	Sediment	QC	QC				A19L338
17.	9L26011-CCB2	Sediment	QC	QC				A19L339
18.	A9J0558-15	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
19.	9L26011-IBL8	Sediment	QC	QC				
20.	A9J0558-30	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
21.	9L26011-IBL9	Sediment	QC	QC				
22.	A9J0558-31	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
23.	9L26011-IBLA	Sediment	QC	QC				
24.	A9J0558-32	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
25.	9L26011-IBLB	Sediment	QC	QC				
26.	A9J0558-33	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
27.	9L26011-IBLC	Sediment	QC	QC				
28.	A9J0558-46	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
29.	9L26011-IBLD	Sediment	QC	QC				
30.	A9J0861-02	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
31.	9L26011-IBLE	Sediment	QC	QC				
32.	9L26011-CCV3	Sediment	QC	QC				A19L338
33.	9L26011-CCB3	Sediment	QC	QC				A19L339

Data Entered By: *[Signature]* 1/9/20

Comments:

Data Reviewed By: *[Signature]* 1/13/20

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.

9L26011-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	510.51
1016 (2)	534.53
1016 (3)	544.57
1016 (4)	532.74
1016 (5)	563.64
1016 (6)	533.60
Average:	536.60

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	555.69
1260 (2)	567.07
1260 (3)	549.81
1260 (4)	570.98
1260 (5)	571.92
1260 (6)	551.82
Average:	561.22

9120981-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	873.73
1016 (2)	1,023.09
1016 (3)	921.19
1016 (4)	903.63
1016 (5)	852.95
1016 (6)	835.04
Average:	901.61

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,074.17
1260 (2)	1,258.45
1260 (3)	1,002.42
1260 (4)	1,150.98
1260 (5)	1,086.64
1260 (6)	1,022.52
Average:	1,099.20

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.

9120981-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	870.16
1016 (2)	1,025.50
1016 (3)	921.61
1016 (4)	944.96
1016 (5)	846.68
1016 (6)	817.71
Average:	904.44

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,122.08
1260 (2)	1,314.78
1260 (3)	1,015.81
1260 (4)	1,221.44
1260 (5)	1,110.12
1260 (6)	1,103.23
Average:	1,147.91

9L26011-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	471.17
1016 (2)	538.57
1016 (3)	488.15
1016 (4)	522.23
1016 (5)	516.80
1016 (6)	512.86
Average:	508.30

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	497.15
1260 (2)	473.54
1260 (3)	490.60
1260 (4)	541.71
1260 (5)	532.50
1260 (6)	501.17
Average:	506.11

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.

9L26011-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	505.51
1016 (2)	555.96
1016 (3)	532.47
1016 (4)	543.37
1016 (5)	540.48
1016 (6)	549.48
Average:	537.88

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	558.48
1260 (2)	574.82
1260 (3)	532.30
1260 (4)	596.29
1260 (5)	553.81
1260 (6)	535.67
Average:	558.56

Data Path : K:\DATA\9L26011\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 8:07
 Operator : MJB / KAK
 Sample : 9L26011-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

[Handwritten Signature]
 1/8/20

Integration File: PCB1.e
 Quant Time: Dec 27 08:08:13 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.810	19625450	294.731	ng/ml
62) S DCBP (S)	9.579	32421893	290.323	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.728	1908276	510.513	ng/ml
3) Aroclor 1016 (2)	6.141	3845346	534.528	ng/ml
4) Aroclor 1016 (3)	6.224	2163541	544.571	ng/ml
5) Aroclor 1016 (4)	6.380	1905806	532.742	ng/ml
6) Aroclor 1016 (5)	6.603	2339954	563.643	ng/ml
7) Aroclor 1016 (6)	6.729	1565164	533.598	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.167	186394	172.199	ng/ml
10) Aroclor 1221 (2)	5.287	205120	285.854	ng/ml
11) Aroclor 1221 (3)	5.367	875404	374.086	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.367	875404	492.860	ng/ml
14) Aroclor 1232 (2)	6.141	3845346	1383.127	ng/ml
15) Aroclor 1232 (3)	6.224	2163541	1474.866	ng/ml
16) Aroclor 1232 (4)	6.380	1905806	1672.691	ng/ml
17) Aroclor 1232 (5)	6.603	2339954	1629.518	ng/ml
18) Aroclor 1232 (6)	6.729	1565164	1306.349	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.728	1908276	718.471	ng/ml
21) Aroclor 1242 (2)	6.141	3845346	741.331	ng/ml
22) Aroclor 1242 (3)	6.224	2163541	767.167	ng/ml
23) Aroclor 1242 (4)	6.380	1905806	832.527	ng/ml
24) Aroclor 1242 (5)	6.603	2339954	783.981	ng/ml
25) Aroclor 1242 (6)	6.729	1565164	623.765	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.141	3845346	1129.889	ng/ml
28) Aroclor 1248 (2)	6.380	1905806	422.085	ng/ml
29) Aroclor 1248 (3)	6.603	2339954	448.365	ng/ml
30) Aroclor 1248 (4)	6.897	445456	76.735	ng/ml
31) Aroclor 1248 (5)	6.930	1532171	248.757	ng/ml
32) Aroclor 1248 (6)	7.417	3478640	1017.915	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.930	1532171	255.442	ng/ml
35) Aroclor 1254 (2)	7.040	1606593	220.457	ng/ml
36) Aroclor 1254 (3)	7.417	3478640	310.317	ng/ml
37) Aroclor 1254 (4)	7.578	480395	67.376	ng/ml
38) Aroclor 1254 (5)	7.958	4579714	597.953	ng/ml
39) Aroclor 1254 (6)	8.250	508083	203.731	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.530	4627682	555.691	ng/ml
42) Aroclor 1260 (2)	7.664	5785484	567.071	ng/ml
43) Aroclor 1260 (3)	8.220	4324315	549.806	ng/ml
44) Aroclor 1260 (4)	8.391	10630844	570.984	ng/ml
45) Aroclor 1260 (5)	8.690	6917896	571.917	ng/ml
46) Aroclor 1260 (6)	9.082	2822362	551.824	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 8:07
 Operator : MJB / KAK
 Sample : 9L26011-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:08:13 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

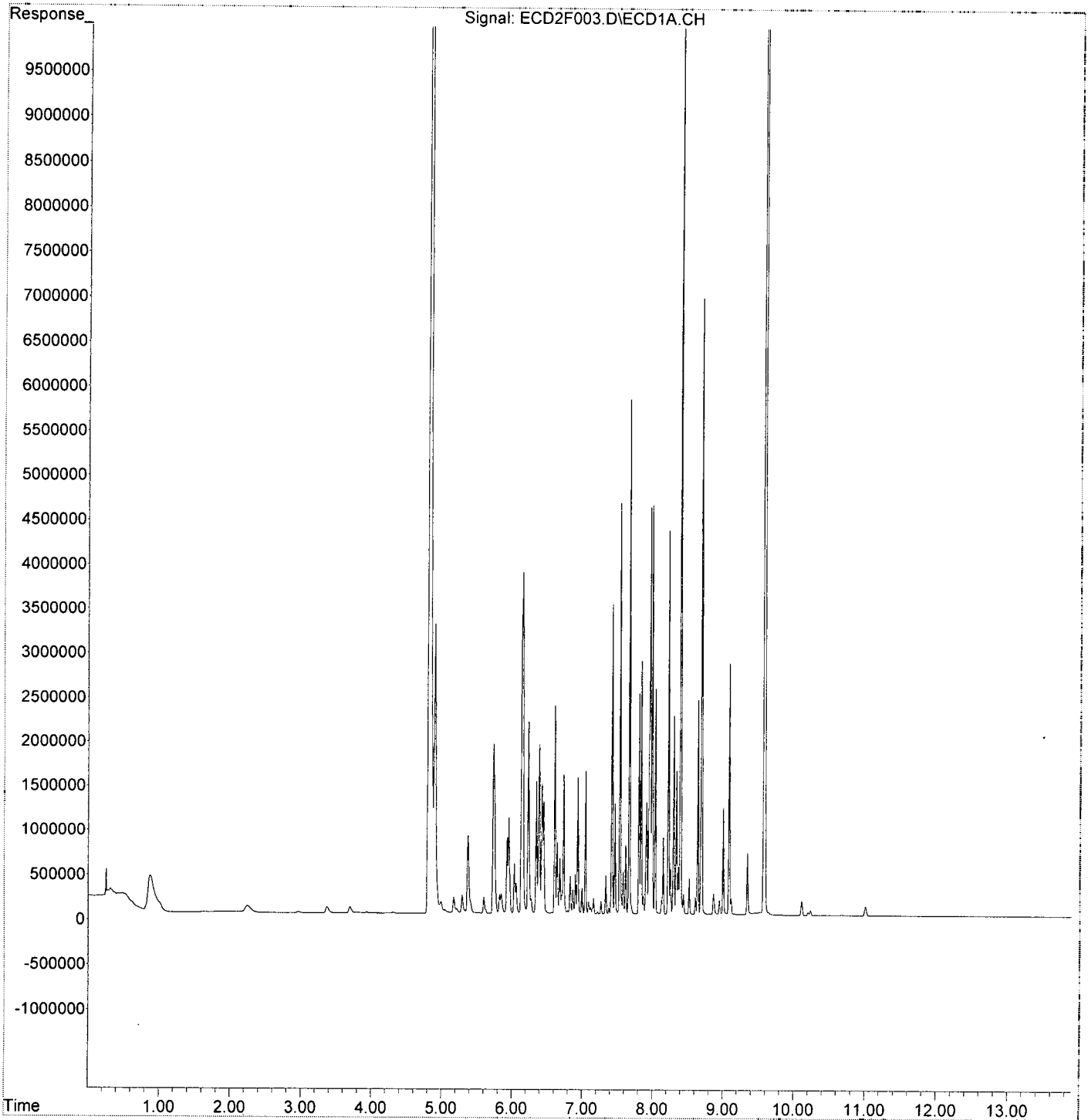
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.664	5785484	719.014	ng/ml
49) Aroclor 1262 (2)	7.988	4599845	409.783	ng/ml
50) Aroclor 1262 (3)	8.220	4324315	445.579	ng/ml
51) Aroclor 1262 (4)	8.391	10630844	514.559	ng/ml
52) Aroclor 1262 (5)	8.690	6917896	528.796	ng/ml
53) Aroclor 1262 (6)	9.082	2822362	422.722	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.220	4324315	847.201	ng/ml
56) Aroclor 1268 (2)	8.638	2414620	98.453	ng/ml
57) Aroclor 1268 (3)	8.690	6917896	338.877	ng/ml
58) Aroclor 1268 (4)	8.864	238302	12.442	ng/ml
59) Aroclor 1268 (5)	9.082	2822362	364.188	ng/ml
60) Aroclor 1268 (6)	9.341	692236	13.240	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 8:07
Operator : MJB / KAK
Sample : 9L26011-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:08:13 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 8:25
 Operator : MJB / KAK
 Sample : 9L26011-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:08:35 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/8/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.810	7625102	114.512 ng/ml
62) S DCBP (S)	9.578	12879026	115.326 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.732	4122	1.103 ng/ml
3) Aroclor 1016 (2)	6.147	7390	1.027 ng/ml
4) Aroclor 1016 (3)	6.237	5122	1.289 ng/ml
5) Aroclor 1016 (4)	6.386	2334	0.653 ng/ml
6) Aroclor 1016 (5)	6.608	2722	0.656 ng/ml
7) Aroclor 1016 (6)	6.732	2386	0.813 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.161	9736	8.995 ng/ml
10) Aroclor 1221 (2)	5.260	10450	14.563 ng/ml
11) Aroclor 1221 (3)	5.357	8150	3.483 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.376	7899	4.447 ng/ml
14) Aroclor 1232 (2)	6.147	7390	2.658 ng/ml
15) Aroclor 1232 (3)	6.237	5122	3.492 ng/ml
16) Aroclor 1232 (4)	6.386	2334	2.049 ng/ml
17) Aroclor 1232 (5)	6.608	2722	1.896 ng/ml
18) Aroclor 1232 (6)	6.732	2386	1.991 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.732	4122	1.552 ng/ml
21) Aroclor 1242 (2)	6.147	7390	1.425 ng/ml
22) Aroclor 1242 (3)	6.211	2010	0.713 ng/ml
23) Aroclor 1242 (4)	6.386	2334	1.020 ng/ml
24) Aroclor 1242 (5)	6.608	2722	0.912 ng/ml
25) Aroclor 1242 (6)	6.732	2386	0.951 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.117	2140	0.629 ng/ml
28) Aroclor 1248 (2)	6.386	2334	0.517 ng/ml
29) Aroclor 1248 (3)	6.608	2722	0.522 ng/ml
30) Aroclor 1248 (4)	6.902	1941	0.334 ng/ml
31) Aroclor 1248 (5)	6.934	1835	0.298 ng/ml
32) Aroclor 1248 (6)	7.415	1751	0.512 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.934	1835	0.306 ng/ml
35) Aroclor 1254 (2)	7.043	1486	0.204 ng/ml
36) Aroclor 1254 (3)	7.415	1751	0.156 ng/ml
37) Aroclor 1254 (4)	7.578	2238	0.314 ng/ml
38) Aroclor 1254 (5)	7.965	5258	0.687 ng/ml
39) Aroclor 1254 (6)	8.250	707	0.283 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.532	2313	0.278 ng/ml
42) Aroclor 1260 (2)	7.664	4052	0.397 ng/ml
43) Aroclor 1260 (3)	8.219	921	0.117 ng/ml
44) Aroclor 1260 (4)	8.386	10758	0.578 ng/ml
45) Aroclor 1260 (5)	8.689	2525	0.209 ng/ml
46) Aroclor 1260 (6)	9.081	3545	0.693 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 8:25
 Operator : MJB / KAK
 Sample : 9L26011-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:08:35 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

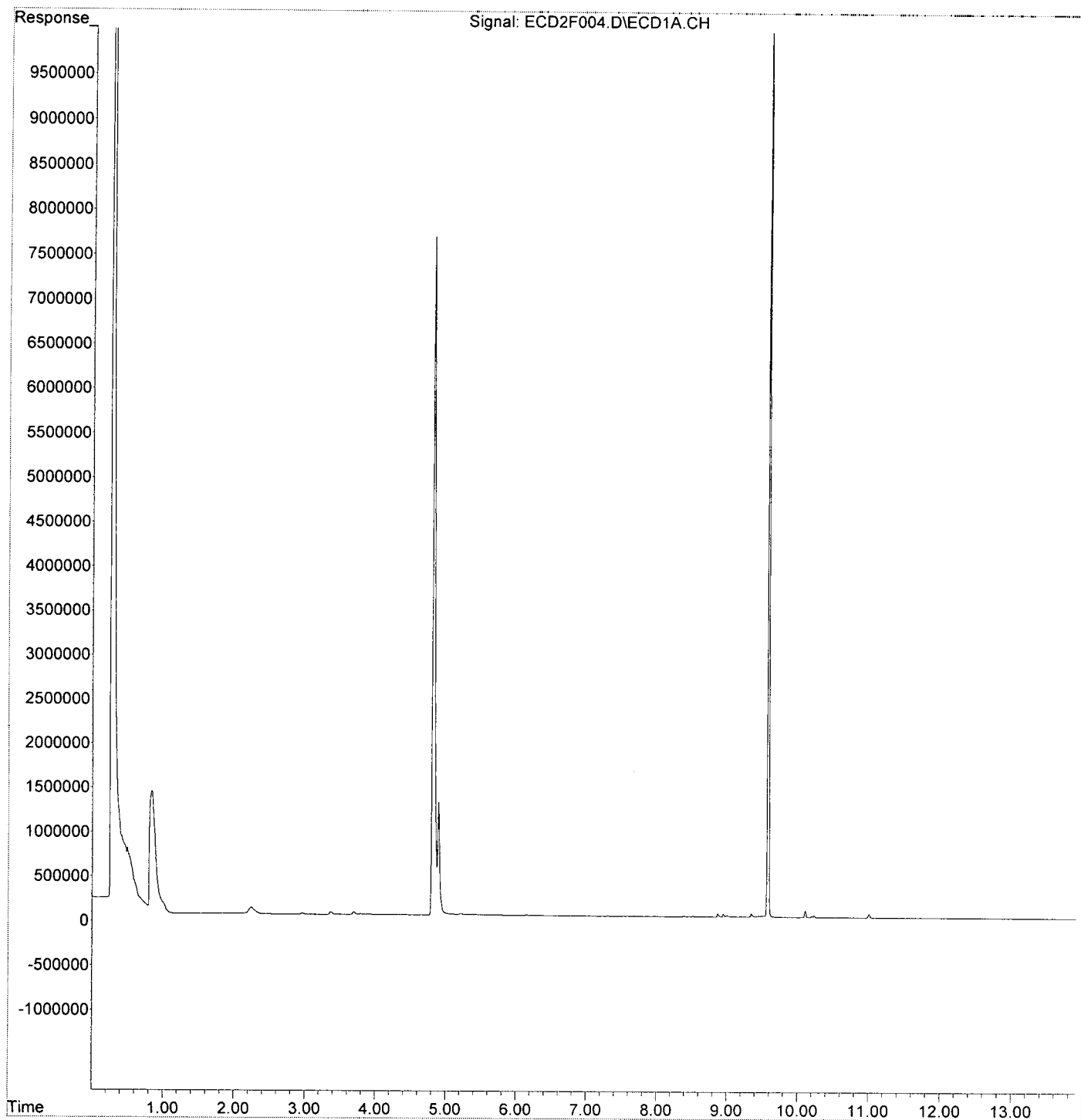
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.664	4052	0.504 ng/ml
49) Aroclor 1262 (2)	7.988	1956	0.174 ng/ml
50) Aroclor 1262 (3)	8.219	921	0.095 ng/ml
51) Aroclor 1262 (4)	8.386	10758	0.521 ng/ml
52) Aroclor 1262 (5)	8.689	2525	0.193 ng/ml
53) Aroclor 1262 (6)	9.081	3545	0.531 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.219	921	0.181 ng/ml
56) Aroclor 1268 (2)	8.637	1076	0.044 ng/ml
57) Aroclor 1268 (3)	8.689	2525	0.124 ng/ml
58) Aroclor 1268 (4)	8.869	39568	2.066 ng/ml
59) Aroclor 1268 (5)	9.081	3545	0.457 ng/ml
60) Aroclor 1268 (6)	9.345	41478	0.793 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 8:25
Operator : MJB / KAK
Sample : 9L26011-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:08:35 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 10:06
 Operator : MJB / KAK
 Sample : 9120981-MSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:09:40 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 11/9/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.807	14686037	220.552	ng/ml
62) S DCBP (S)	9.578	23342652	209.023	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.723	3252612	870.158	ng/ml
3) Aroclor 1016 (2)	6.136	7377332	1025.497	ng/ml
4) Aroclor 1016 (3)	6.218	3661499	921.613	ng/ml
5) Aroclor 1016 (4)	6.377	3380457	944.960	ng/ml
6) Aroclor 1016 (5)	6.598	3514971	846.678	ng/ml
7) Aroclor 1016 (6)	6.724	2398527	817.709	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.162	271825	251.124	ng/ml
10) Aroclor 1221 (2)	5.281	302409	421.436	ng/ml
11) Aroclor 1221 (3)	5.360	1846424	789.032	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.360	1846424	1039.553	ng/ml
14) Aroclor 1232 (2)	6.136	7377332	2653.542	ng/ml
15) Aroclor 1232 (3)	6.218	3661499	2496.009	ng/ml
16) Aroclor 1232 (4)	6.377	3380457	2966.966	ng/ml
17) Aroclor 1232 (5)	6.598	3514971	2447.786	ng/ml
18) Aroclor 1232 (6)	6.724	2398527	2001.906	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.723	3252612	1224.617	ng/ml
21) Aroclor 1242 (2)	6.136	7377332	1422.250	ng/ml
22) Aroclor 1242 (3)	6.218	3661499	1298.326	ng/ml
23) Aroclor 1242 (4)	6.377	3380457	1476.710	ng/ml
24) Aroclor 1242 (5)	6.598	3514971	1177.661	ng/ml
25) Aroclor 1242 (6)	6.724	2398527	955.885	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.136	7377332	2167.703	ng/ml
28) Aroclor 1248 (2)	6.377	3380457	748.681	ng/ml
29) Aroclor 1248 (3)	6.598	3514971	673.513	ng/ml
30) Aroclor 1248 (4)	6.893	1010830	174.127	ng/ml
31) Aroclor 1248 (5)	6.926	3218651	522.567	ng/ml
32) Aroclor 1248 (6)	7.414	6843824	2002.630	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.926	3218651	536.610	ng/ml
35) Aroclor 1254 (2)	7.041	5321773	730.254	ng/ml
36) Aroclor 1254 (3)	7.414	6843824	610.512	ng/ml
37) Aroclor 1254 (4)	7.574	1563227	219.246	ng/ml
38) Aroclor 1254 (5)	7.956	8856715	1156.382	ng/ml
39) Aroclor 1254 (6)	8.247	868645	348.310	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.528	9344454	1122.081	ng/ml
42) Aroclor 1260 (2)	7.662	13413954	1314.785	ng/ml
43) Aroclor 1260 (3)	8.219	7989509	1015.810	ng/ml
44) Aroclor 1260 (4)	8.390	22741367	1221.441	ng/ml
45) Aroclor 1260 (5)	8.688	13427967	1110.118	ng/ml
46) Aroclor 1260 (6)	9.081	5642582	1103.230	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 10:06
 Operator : MJB / KAK
 Sample : 9120981-MSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:09:40 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

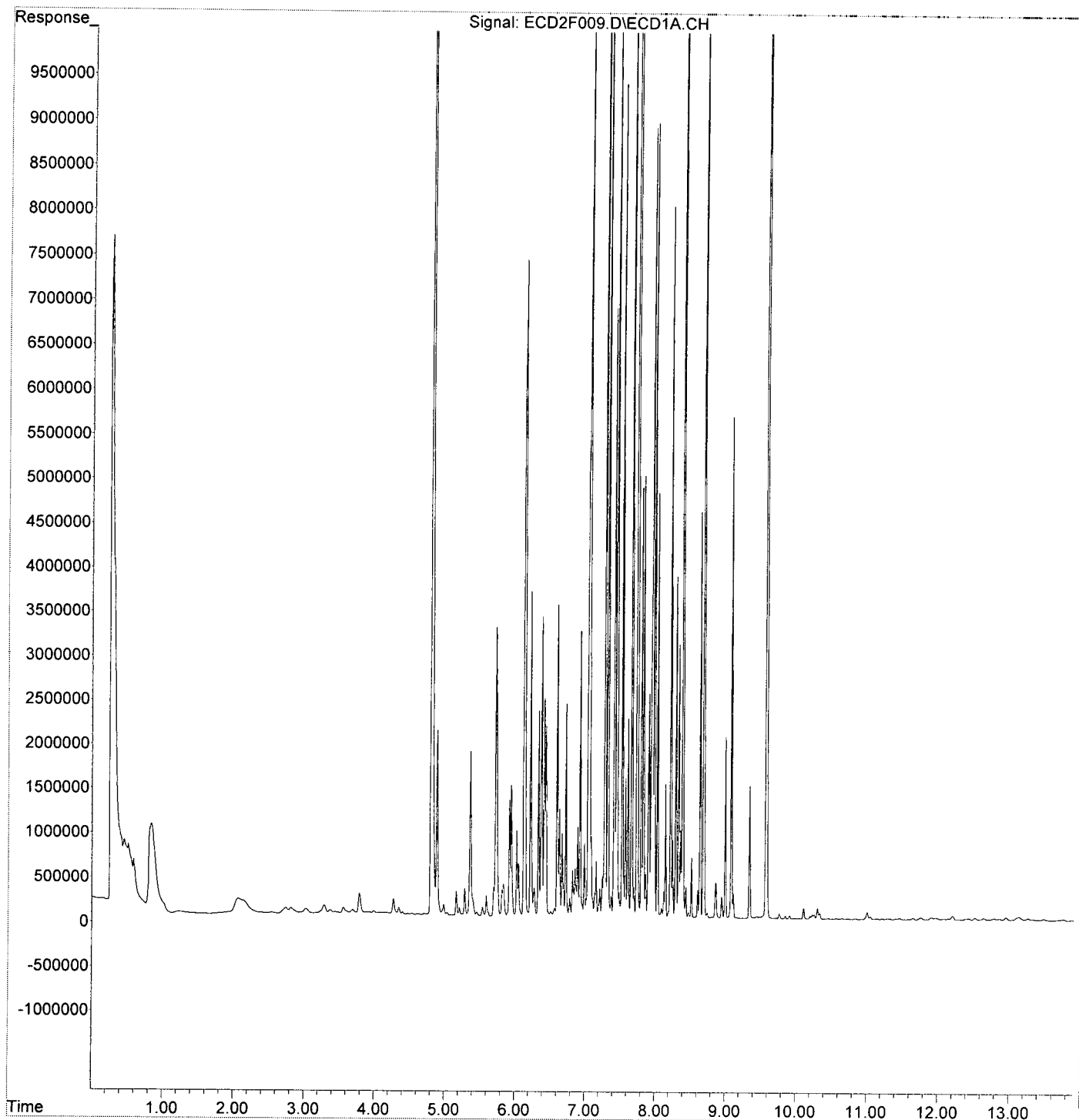
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.662	13413954	1667.073	ng/ml
49) Aroclor 1262 (2)	7.986	8906051	793.407	ng/ml
50) Aroclor 1262 (3)	8.219	7989509	823.242	ng/ml
51) Aroclor 1262 (4)	8.390	22741367	1100.739	ng/ml
52) Aroclor 1262 (5)	8.688	13427967	1026.417	ng/ml
53) Aroclor 1262 (6)	9.081	5642582	845.123	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.219	7989509	1565.270	ng/ml
56) Aroclor 1268 (2)	8.637	4582213	186.834	ng/ml
57) Aroclor 1268 (3)	8.688	13427967	657.776	ng/ml
58) Aroclor 1268 (4)	8.861	399631	20.865	ng/ml
59) Aroclor 1268 (5)	9.081	5642582	728.100	ng/ml
60) Aroclor 1268 (6)	9.341	1483687	28.378	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 10:06
Operator : MJB / KAK
Sample : 9120981-MSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:09:40 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 12:45
 Operator : MJB / KAK
 Sample : 9L26011-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:11:07 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/9/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.809	18220586	273.633	ng/ml
62) S DCBP (S)	9.578	30434268	272.525	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.727	1761213	471.170	ng/ml
3) Aroclor 1016 (2)	6.140	3874430	538.571	ng/ml
4) Aroclor 1016 (3)	6.223	1939393	488.152	ng/ml
5) Aroclor 1016 (4)	6.378	1868208	522.232	ng/ml
6) Aroclor 1016 (5)	6.602	2145501	516.803	ng/ml
7) Aroclor 1016 (6)	6.727	1504328	512.857	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.165	177596	164.071	ng/ml
10) Aroclor 1221 (2)	5.285	193095	269.096	ng/ml
11) Aroclor 1221 (3)	5.366	851004	363.659	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.366	851004	479.123	ng/ml
14) Aroclor 1232 (2)	6.140	3874430	1393.588	ng/ml
15) Aroclor 1232 (3)	6.223	1939393	1322.066	ng/ml
16) Aroclor 1232 (4)	6.378	1868208	1639.692	ng/ml
17) Aroclor 1232 (5)	6.602	2145501	1494.103	ng/ml
18) Aroclor 1232 (6)	6.727	1504328	1255.572	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.727	1761213	663.101	ng/ml
21) Aroclor 1242 (2)	6.140	3874430	746.938	ng/ml
22) Aroclor 1242 (3)	6.223	1939393	687.686	ng/ml
23) Aroclor 1242 (4)	6.378	1868208	816.103	ng/ml
24) Aroclor 1242 (5)	6.602	2145501	718.832	ng/ml
25) Aroclor 1242 (6)	6.727	1504328	599.520	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.140	3874430	1138.435	ng/ml
28) Aroclor 1248 (2)	6.378	1868208	413.758	ng/ml
29) Aroclor 1248 (3)	6.602	2145501	411.105	ng/ml
30) Aroclor 1248 (4)	6.895	392815	67.667	ng/ml
31) Aroclor 1248 (5)	6.928	1418761	230.344	ng/ml
32) Aroclor 1248 (6)	7.417	3111132	910.375	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.928	1418761	236.534	ng/ml
35) Aroclor 1254 (2)	7.039	1555564	213.454	ng/ml
36) Aroclor 1254 (3)	7.417	3111132	277.533	ng/ml
37) Aroclor 1254 (4)	7.576	420442	58.968	ng/ml
38) Aroclor 1254 (5)	7.957	3935613	513.855	ng/ml
39) Aroclor 1254 (6)	8.248	428270	171.728	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.529	4140167	497.151	ng/ml
42) Aroclor 1260 (2)	7.663	4831271	473.543	ng/ml
43) Aroclor 1260 (3)	8.219	3858614	490.596	ng/ml
44) Aroclor 1260 (4)	8.390	10085794	541.709	ng/ml
45) Aroclor 1260 (5)	8.689	6441126	532.502	ng/ml
46) Aroclor 1260 (6)	9.080	2563282	501.169	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 12:45
 Operator : MJB / KAK
 Sample : 9L26011-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:11:07 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

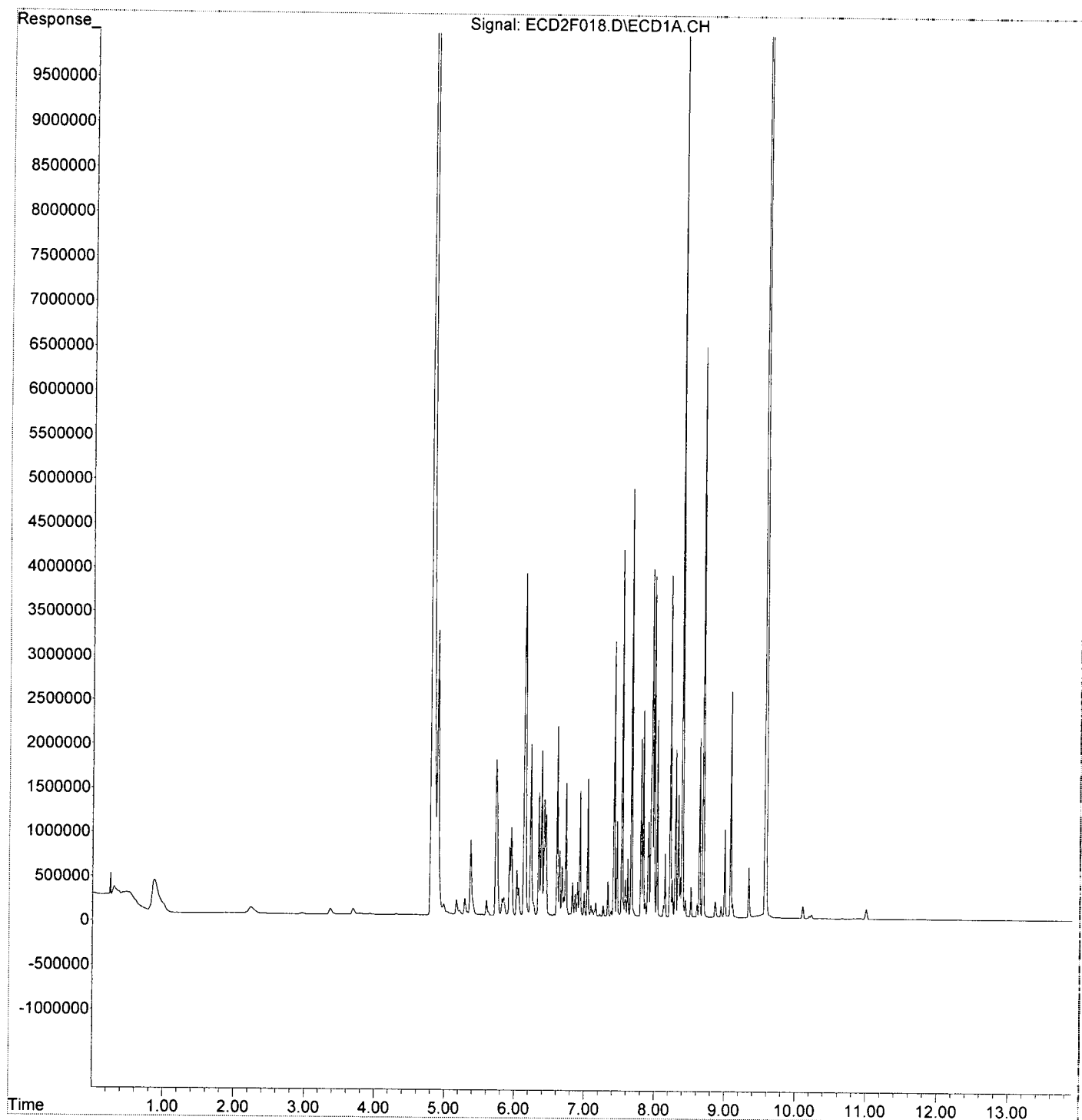
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.663	4831271	600.425	ng/ml
49) Aroclor 1262 (2)	7.986	3856239	343.538	ng/ml
50) Aroclor 1262 (3)	8.219	3858614	397.593	ng/ml
51) Aroclor 1262 (4)	8.390	10085794	488.178	ng/ml
52) Aroclor 1262 (5)	8.689	6441126	492.352	ng/ml
53) Aroclor 1262 (6)	9.080	2563282	383.918	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.219	3858614	755.963	ng/ml
56) Aroclor 1268 (2)	8.636	2032459	82.871	ng/ml
57) Aroclor 1268 (3)	8.689	6441126	315.522	ng/ml
58) Aroclor 1268 (4)	8.861	181852	9.495	ng/ml
59) Aroclor 1268 (5)	9.080	2563282	330.757	ng/ml
60) Aroclor 1268 (6)	9.339	571662	10.934	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 12:45
Operator : MJB / KAK
Sample : 9L26011-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:11:07 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 13:02
 Operator : MJB / KAK
 Sample : 9L26011-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:11:28 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

11/9/20
Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.810	7431712	111.608 ng/ml
62) S DCBP (S)	9.575	12517823	112.091 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.726	4645	1.243 ng/ml
3) Aroclor 1016 (2)	6.143	6282	0.873 ng/ml
4) Aroclor 1016 (3)	6.233	4412	1.111 ng/ml
5) Aroclor 1016 (4)	6.386	1830	0.512 ng/ml
6) Aroclor 1016 (5)	6.605	2797	0.674 ng/ml
7) Aroclor 1016 (6)	6.730	1802	0.614 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.165	9673	8.936 ng/ml
10) Aroclor 1221 (2)	5.290	9210	12.835 ng/ml
11) Aroclor 1221 (3)	5.370	8825	3.771 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.370	8825	4.968 ng/ml
14) Aroclor 1232 (2)	6.143	6282	2.260 ng/ml
15) Aroclor 1232 (3)	6.233	4412	3.008 ng/ml
16) Aroclor 1232 (4)	6.386	1830	1.606 ng/ml
17) Aroclor 1232 (5)	6.605	2797	1.948 ng/ml
18) Aroclor 1232 (6)	6.730	1802	1.504 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.726	4645	1.749 ng/ml
21) Aroclor 1242 (2)	6.143	6282	1.211 ng/ml
22) Aroclor 1242 (3)	6.233	4412	1.564 ng/ml
23) Aroclor 1242 (4)	6.386	1830	0.799 ng/ml
24) Aroclor 1242 (5)	6.605	2797	0.937 ng/ml
25) Aroclor 1242 (6)	6.730	1802	0.718 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.143	6282	1.846 ng/ml
28) Aroclor 1248 (2)	6.386	1830	0.405 ng/ml
29) Aroclor 1248 (3)	6.605	2797	0.536 ng/ml
30) Aroclor 1248 (4)	6.900	2425	0.418 ng/ml
31) Aroclor 1248 (5)	6.937	2494	0.405 ng/ml
32) Aroclor 1248 (6)	7.415	2409	0.705 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.923	2215	0.369 ng/ml
35) Aroclor 1254 (2)	7.044	1865	0.256 ng/ml
36) Aroclor 1254 (3)	7.415	2409	0.215 ng/ml
37) Aroclor 1254 (4)	7.574	3571	0.501 ng/ml
38) Aroclor 1254 (5)	7.964	3609	0.471 ng/ml
39) Aroclor 1254 (6)	8.248	2006	0.804 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.532	2954	0.355 ng/ml
42) Aroclor 1260 (2)	7.661	4145	0.406 ng/ml
43) Aroclor 1260 (3)	8.215	1731	0.220 ng/ml
44) Aroclor 1260 (4)	8.385	3808	0.205 ng/ml
45) Aroclor 1260 (5)	8.687	1596	0.132 ng/ml
46) Aroclor 1260 (6)	9.082	3990	0.780 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 13:02
 Operator : MJB / KAK
 Sample : 9L26011-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:11:28 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

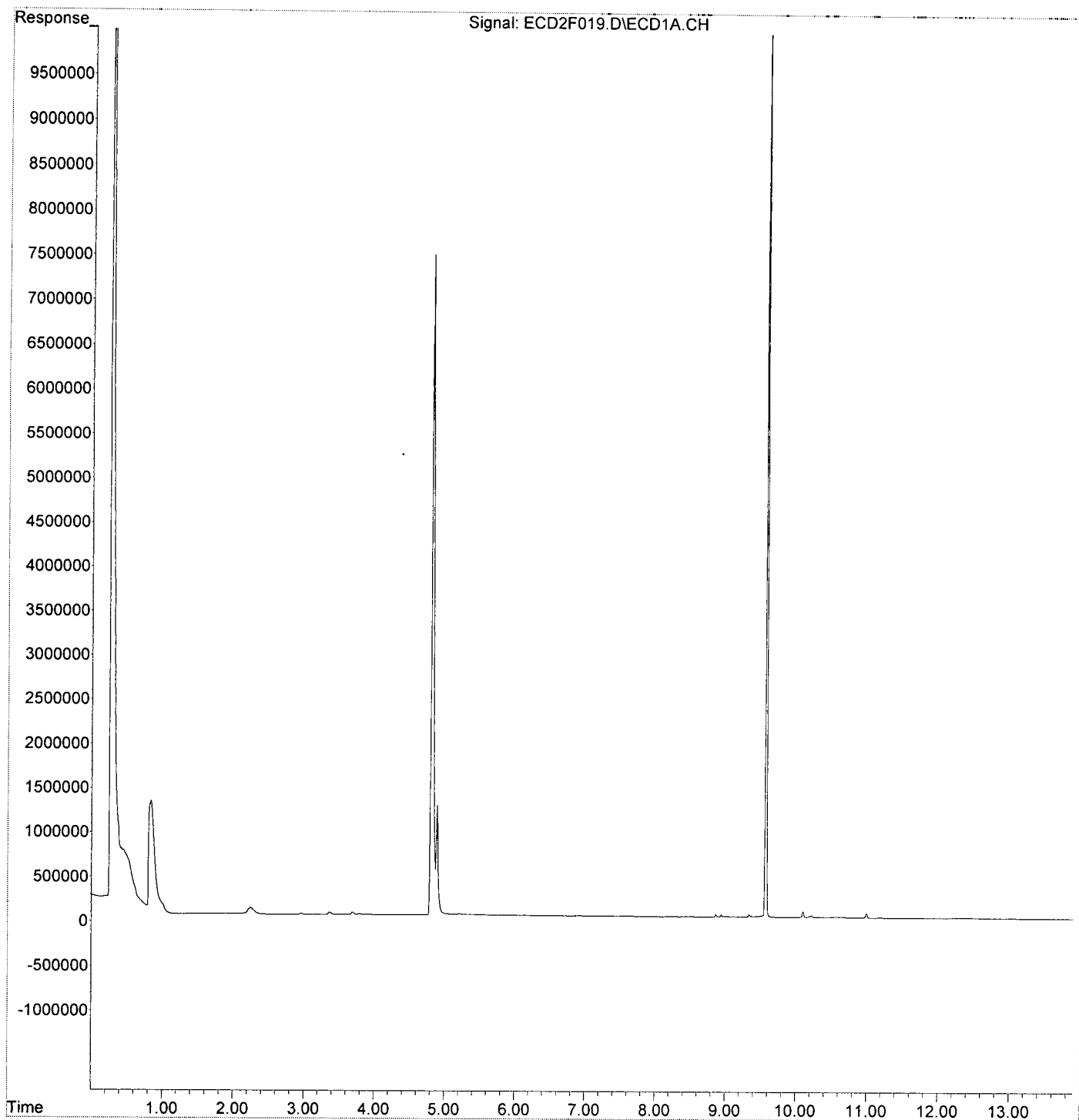
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.661	4145	0.515 ng/ml
49) Aroclor 1262 (2)	7.986	1699	0.151 ng/ml
50) Aroclor 1262 (3)	8.215	1731	0.178 ng/ml
51) Aroclor 1262 (4)	8.385	3808	0.184 ng/ml
52) Aroclor 1262 (5)	8.687	1596	0.122 ng/ml
53) Aroclor 1262 (6)	9.082	3990	0.598 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.215	1731	0.339 ng/ml
56) Aroclor 1268 (2)	8.638	946	0.039 ng/ml
57) Aroclor 1268 (3)	8.687	1596	0.078 ng/ml
58) Aroclor 1268 (4)	8.867	30778	1.607 ng/ml
59) Aroclor 1268 (5)	9.082	3990	0.515 ng/ml
60) Aroclor 1268 (6)	9.341	30083	0.575 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 13:02
Operator : MJB / KAK
Sample : 9L26011-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:11:28 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F032.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 16:54
 Operator : MJB / KAK
 Sample : A9L0861-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:14:00 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/19/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.805	13272718	199.327 ng/ml
62) S DCBP (S)	9.575	16472601	147.505 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.724	9532	2.550 ng/ml
3) Aroclor 1016 (2)	6.136	52679	7.323 ng/ml
4) Aroclor 1016 (3)	6.218	28941	7.285 ng/ml
5) Aroclor 1016 (4)	6.377	39670	11.089 ng/ml
6) Aroclor 1016 (5)	6.602	57995	13.970 ng/ml
7) Aroclor 1016 (6)	6.723	22888	7.803 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.137	7976	7.368 ng/ml
10) Aroclor 1221 (2)	5.235f	23890	33.293 ng/ml
11) Aroclor 1221 (3)	5.374	121804	52.051 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.374	121804	68.577 ng/ml
14) Aroclor 1232 (2)	6.136	52679	18.948 ng/ml
15) Aroclor 1232 (3)	6.218	28941	19.729 ng/ml
16) Aroclor 1232 (4)	6.377	39670	34.818 ng/ml
17) Aroclor 1232 (5)	6.602	57995	40.387 ng/ml
18) Aroclor 1232 (6)	6.723	22888	19.103 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.724	9532	3.589 ng/ml
21) Aroclor 1242 (2)	6.136	52679	10.156 ng/ml
22) Aroclor 1242 (3)	6.218	28941	10.262 ng/ml
23) Aroclor 1242 (4)	6.377	39670	17.329 ng/ml
24) Aroclor 1242 (5)	6.602	57995	19.431 ng/ml
25) Aroclor 1242 (6)	6.723	22888	9.121 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.136	52679	15.479 ng/ml
28) Aroclor 1248 (2)	6.377	39670	8.786 ng/ml
29) Aroclor 1248 (3)	6.602	57995	11.112 ng/ml
30) Aroclor 1248 (4)	6.892	35787	6.165 ng/ml
31) Aroclor 1248 (5)	6.928	50826	8.252 ng/ml
32) Aroclor 1248 (6)	7.409	53204	15.568 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.928	50826	8.474 ng/ml
35) Aroclor 1254 (2)	7.045	96480	13.239 ng/ml
36) Aroclor 1254 (3)	7.409	53204	4.746 ng/ml
37) Aroclor 1254 (4)	7.573	31868	4.470 ng/ml
38) Aroclor 1254 (5)	7.954	51347	6.704 ng/ml
39) Aroclor 1254 (6)	8.245	20229	8.111 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.526	47269	5.676 ng/ml
42) Aroclor 1260 (2)	7.660	67909	6.656 ng/ml
43) Aroclor 1260 (3)	8.216	29946	3.807 ng/ml
44) Aroclor 1260 (4)	8.387	68311	3.669 ng/ml
45) Aroclor 1260 (5)	8.685	49212	4.068 ng/ml
46) Aroclor 1260 (6)	9.078	17205	3.364 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

↑ MDL

Data Path : K:\DATA\9L26011\
 Data File : ECD2F032.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 16:54
 Operator : MJB / KAK
 Sample : A9L0861-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:14:00 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

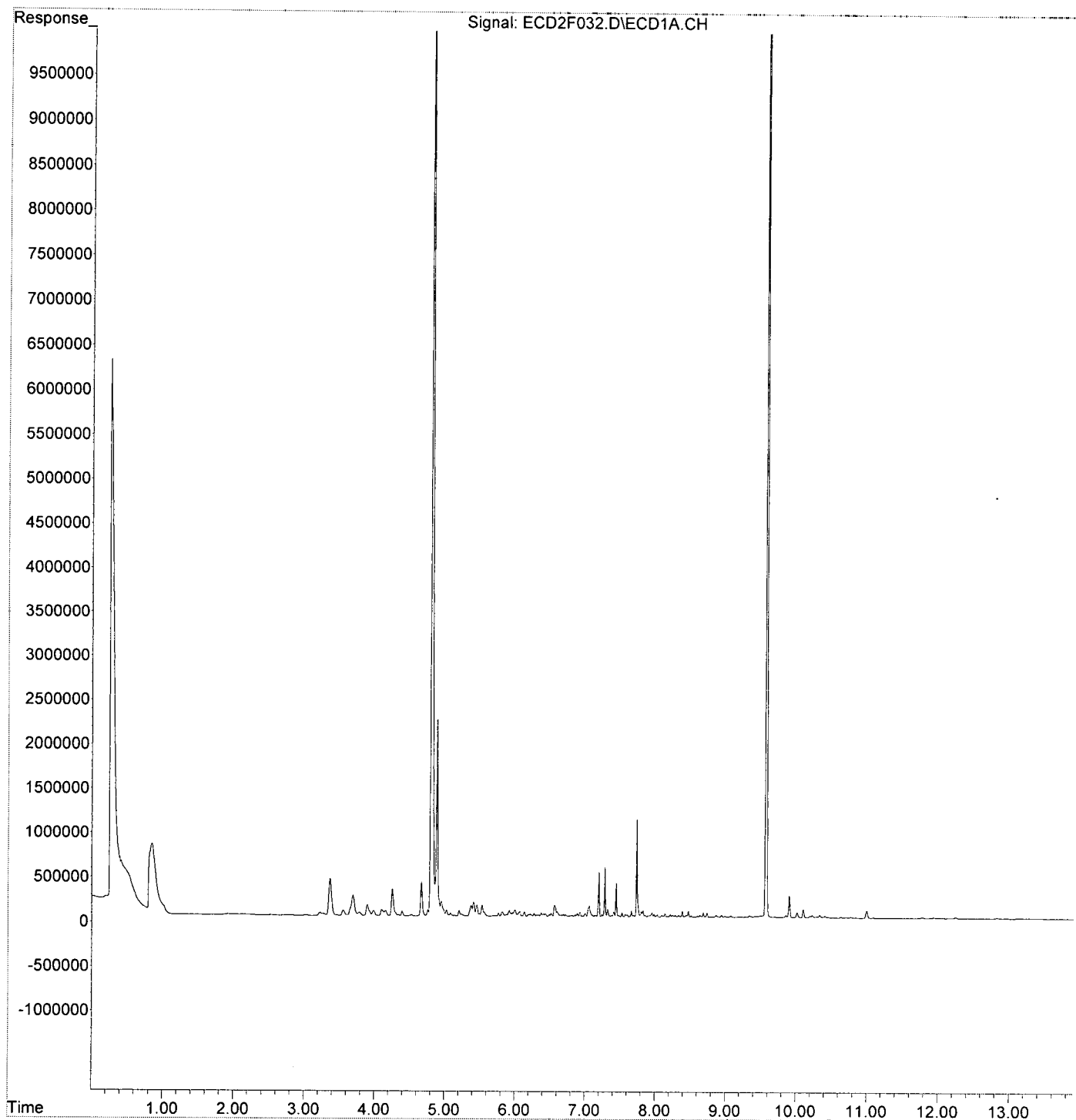
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.660	67909	8.440 ng/ml
49) Aroclor 1262 (2)	7.984	31457	2.802 ng/ml
50) Aroclor 1262 (3)	8.216	29946	3.086 ng/ml
51) Aroclor 1262 (4)	8.387	68311	3.306 ng/ml
52) Aroclor 1262 (5)	8.685	49212	3.762 ng/ml
53) Aroclor 1262 (6)	9.078	17205	2.577 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.216	29946	5.867 ng/ml
56) Aroclor 1268 (2)	8.636	20154	0.822 ng/ml
57) Aroclor 1268 (3)	8.685	49212	2.411 ng/ml
58) Aroclor 1268 (4)	8.865	24011	1.254 ng/ml
59) Aroclor 1268 (5)	9.078	17205	2.220 ng/ml
60) Aroclor 1268 (6)	9.339	21968	0.420 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F032.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 16:54
Operator : MJB / KAK
Sample : A9L0861-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:14:00 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F034.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 17:29
 Operator : MJB / KAK
 Sample : 9L26011-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:14:21 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/19/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.809	18705543	280.916	ng/ml
62) S DCBP (S)	9.576	33402900	299.108	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.727	1889574	505.510	ng/ml
3) Aroclor 1016 (2)	6.140	3999508	555.958	ng/ml
4) Aroclor 1016 (3)	6.222	2115473	532.472	ng/ml
5) Aroclor 1016 (4)	6.379	1943826	543.370	ng/ml
6) Aroclor 1016 (5)	6.601	2243804	540.482	ng/ml
7) Aroclor 1016 (6)	6.727	1611752	549.480	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.165	181575	167.747	ng/ml
10) Aroclor 1221 (2)	5.284	198556	276.706	ng/ml
11) Aroclor 1221 (3)	5.366	873365	373.215	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.366	873365	491.712	ng/ml
14) Aroclor 1232 (2)	6.140	3999508	1438.577	ng/ml
15) Aroclor 1232 (3)	6.222	2115473	1442.098	ng/ml
16) Aroclor 1232 (4)	6.379	1943826	1706.061	ng/ml
17) Aroclor 1232 (5)	6.601	2243804	1562.560	ng/ml
18) Aroclor 1232 (6)	6.727	1611752	1345.233	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.727	1889574	711.429	ng/ml
21) Aroclor 1242 (2)	6.140	3999508	771.051	ng/ml
22) Aroclor 1242 (3)	6.222	2115473	750.122	ng/ml
23) Aroclor 1242 (4)	6.379	1943826	849.136	ng/ml
24) Aroclor 1242 (5)	6.601	2243804	751.767	ng/ml
25) Aroclor 1242 (6)	6.727	1611752	642.331	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.140	3999508	1175.187	ng/ml
28) Aroclor 1248 (2)	6.379	1943826	430.506	ng/ml
29) Aroclor 1248 (3)	6.601	2243804	429.941	ng/ml
30) Aroclor 1248 (4)	6.895	438363	75.513	ng/ml
31) Aroclor 1248 (5)	6.928	1524778	247.557	ng/ml
32) Aroclor 1248 (6)	7.415	3404979	996.360	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.928	1524778	254.209	ng/ml
35) Aroclor 1254 (2)	7.038	1680483	230.596	ng/ml
36) Aroclor 1254 (3)	7.415	3404979	303.746	ng/ml
37) Aroclor 1254 (4)	7.575	482329	67.648	ng/ml
38) Aroclor 1254 (5)	7.956	4568745	596.521	ng/ml
39) Aroclor 1254 (6)	8.247	487606	195.520	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.528	4650865	558.475	ng/ml
42) Aroclor 1260 (2)	7.661	5864532	574.819	ng/ml
43) Aroclor 1260 (3)	8.218	4186602	532.297	ng/ml
44) Aroclor 1260 (4)	8.389	11102011	596.290	ng/ml
45) Aroclor 1260 (5)	8.688	6698872	553.810	ng/ml
46) Aroclor 1260 (6)	9.079	2739734	535.669	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F034.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 17:29
 Operator : MJB / KAK
 Sample : 9L26011-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:14:21 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

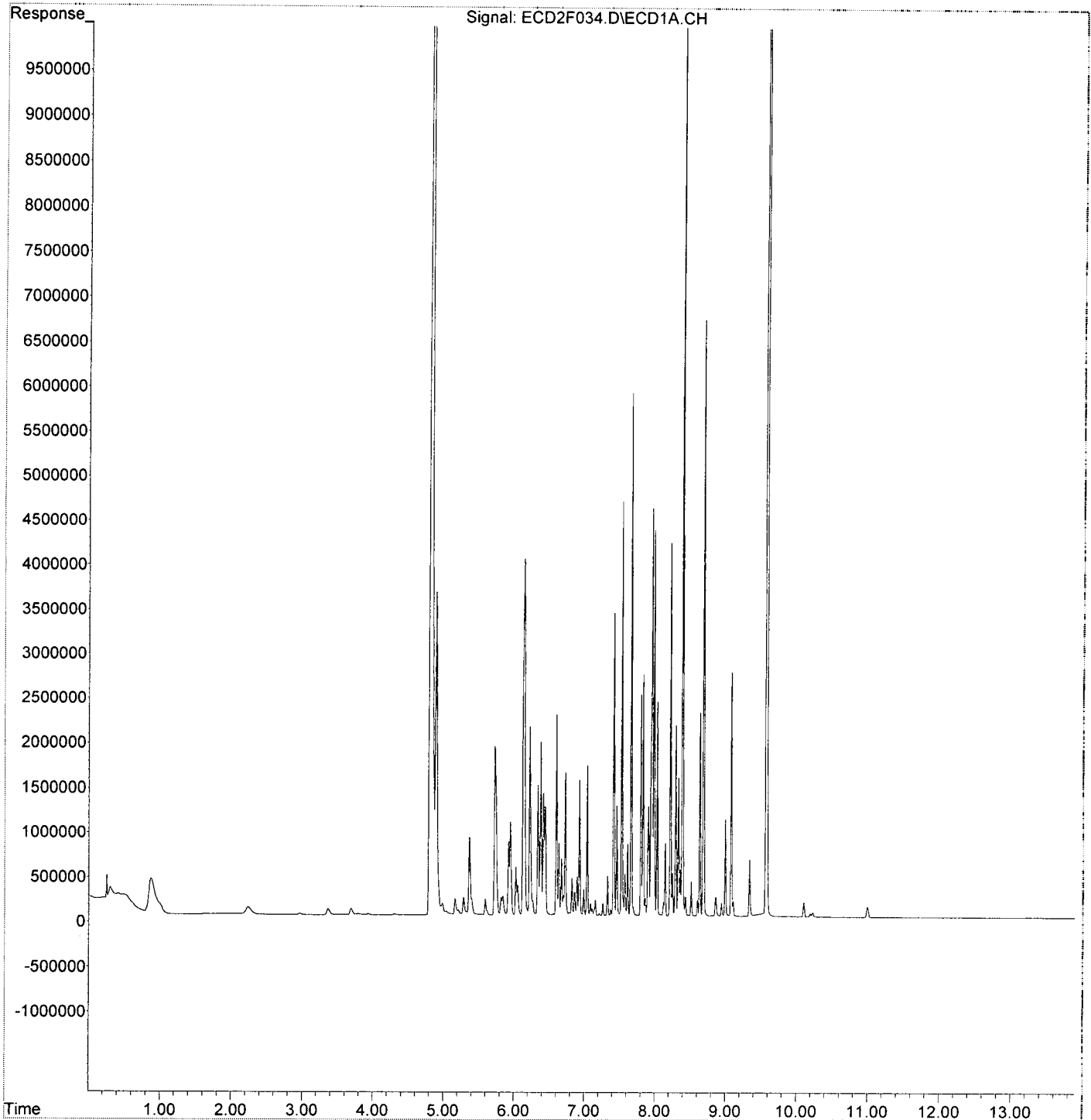
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.661	5864532	728.838	ng/ml
49) Aroclor 1262 (2)	7.986	4328023	385.568	ng/ml
50) Aroclor 1262 (3)	8.218	4186602	431.389	ng/ml
51) Aroclor 1262 (4)	8.389	11102011	537.365	ng/ml
52) Aroclor 1262 (5)	8.688	6698872	512.054	ng/ml
53) Aroclor 1262 (6)	9.079	2739734	410.346	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.218	4186602	820.221	ng/ml
56) Aroclor 1268 (2)	8.636	2281615	93.030	ng/ml
57) Aroclor 1268 (3)	8.688	6698872	328.148	ng/ml
58) Aroclor 1268 (4)	8.862	216849	11.322	ng/ml
59) Aroclor 1268 (5)	9.079	2739734	353.526	ng/ml
60) Aroclor 1268 (6)	9.339	637416	12.192	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F034.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 17:29
Operator : MJB / KAK
Sample : 9L26011-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:14:21 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26011\
 Data File : ECD2F035.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 17:47
 Operator : MJB / KAK
 Sample : 9L26011-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:14:42 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

11/9/20
Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.810	7701965	115.666 ng/ml
62) S DCBP (S)	9.575	13236693	118.529 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.728	4215	1.128 ng/ml
3) Aroclor 1016 (2)	6.156	6866	0.954 ng/ml
4) Aroclor 1016 (3)	6.235	4596	1.157 ng/ml
5) Aroclor 1016 (4)	6.387	2506	0.701 ng/ml
6) Aroclor 1016 (5)	6.609	2718	0.655 ng/ml
7) Aroclor 1016 (6)	6.730	2486	0.847 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.163	10322	9.536 ng/ml
10) Aroclor 1221 (2)	5.279	9486	13.220 ng/ml
11) Aroclor 1221 (3)	5.364	8634	3.689 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.364	8634	4.861 ng/ml
14) Aroclor 1232 (2)	6.156	6866	2.470 ng/ml
15) Aroclor 1232 (3)	6.235	4596	3.133 ng/ml
16) Aroclor 1232 (4)	6.387	2506	2.200 ng/ml
17) Aroclor 1232 (5)	6.609	2718	1.892 ng/ml
18) Aroclor 1232 (6)	6.730	2486	2.075 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.728	4215	1.587 ng/ml
21) Aroclor 1242 (2)	6.156	6866	1.324 ng/ml
22) Aroclor 1242 (3)	6.235	4596	1.630 ng/ml
23) Aroclor 1242 (4)	6.387	2506	1.095 ng/ml
24) Aroclor 1242 (5)	6.609	2718	0.910 ng/ml
25) Aroclor 1242 (6)	6.730	2486	0.991 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.120	2583	0.759 ng/ml
28) Aroclor 1248 (2)	6.387	2506	0.555 ng/ml
29) Aroclor 1248 (3)	6.609	2718	0.521 ng/ml
30) Aroclor 1248 (4)	6.896	2439	0.420 ng/ml
31) Aroclor 1248 (5)	6.929	2343	0.380 ng/ml
32) Aroclor 1248 (6)	7.416	2301	0.673 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.929	2343	0.391 ng/ml
35) Aroclor 1254 (2)	7.041	2451	0.336 ng/ml
36) Aroclor 1254 (3)	7.416	2301	0.205 ng/ml
37) Aroclor 1254 (4)	7.576	2931	0.411 ng/ml
38) Aroclor 1254 (5)	7.966	3424	0.447 ng/ml
39) Aroclor 1254 (6)	8.248	432	0.173 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.530	2852	0.343 ng/ml
42) Aroclor 1260 (2)	7.663	3086	0.302 ng/ml
43) Aroclor 1260 (3)	8.216	791	0.101 ng/ml
44) Aroclor 1260 (4)	8.386	4906	0.263 ng/ml
45) Aroclor 1260 (5)	8.686	1876	0.155 ng/ml
46) Aroclor 1260 (6)	9.082	2583	0.505 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26011\
 Data File : ECD2F035.D
 Signal(s) : ECD1A.CH
 Acq On : 26 Dec 2019 17:47
 Operator : MJB / KAK
 Sample : 9L26011-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 27 08:14:42 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

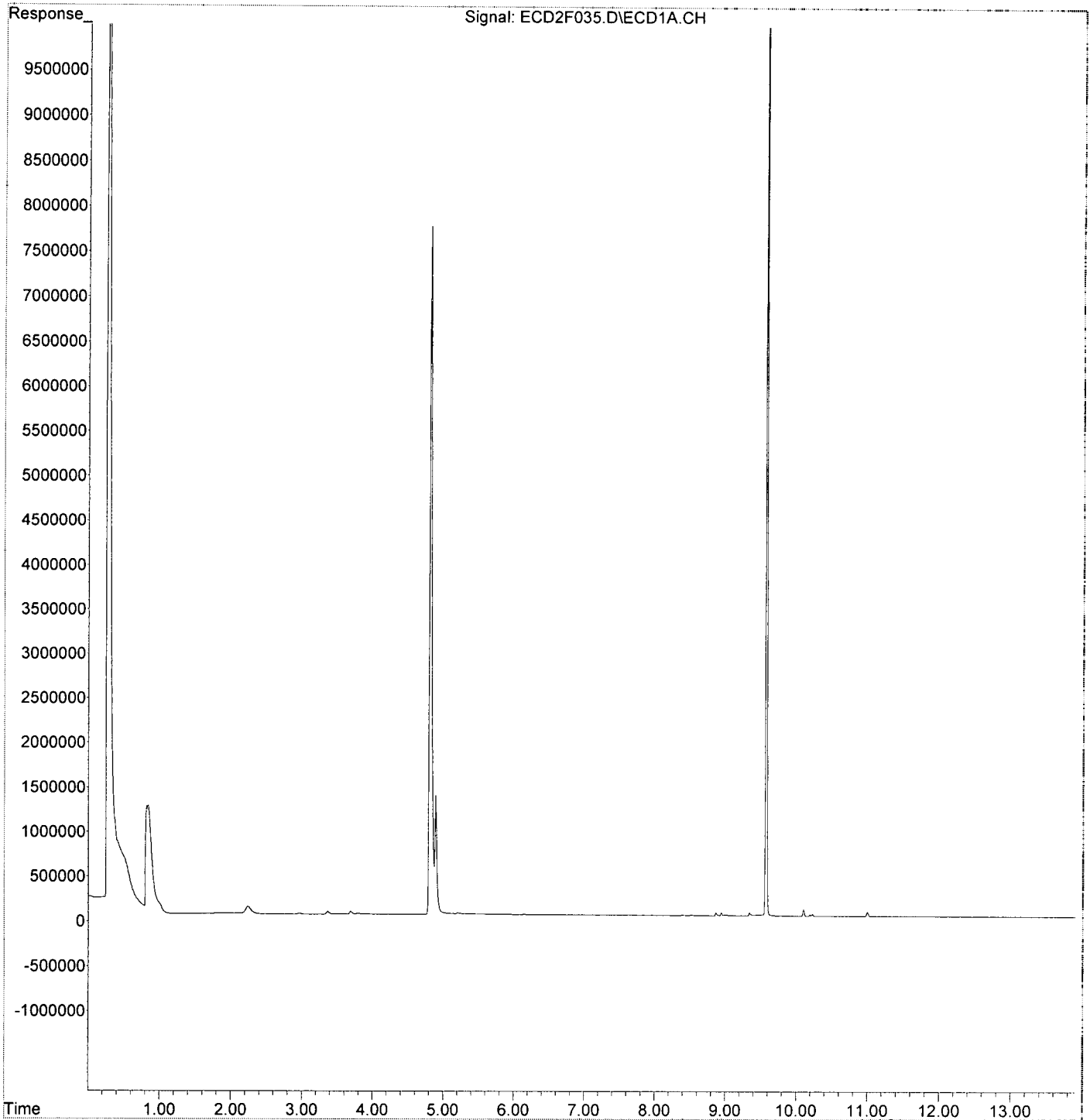
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.663	3086	0.384 ng/ml
49) Aroclor 1262 (2)	7.987	1551	0.138 ng/ml
50) Aroclor 1262 (3)	8.216	791	0.082 ng/ml
51) Aroclor 1262 (4)	8.386	4906	0.237 ng/ml
52) Aroclor 1262 (5)	8.686	1876	0.143 ng/ml
53) Aroclor 1262 (6)	9.082	2583	0.387 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.216	791	0.155 ng/ml
56) Aroclor 1268 (2)	8.637	1532	0.062 ng/ml
57) Aroclor 1268 (3)	8.686	1876	0.092 ng/ml
58) Aroclor 1268 (4)	8.868	35474	1.852 ng/ml
59) Aroclor 1268 (5)	9.082	2583	0.333 ng/ml
60) Aroclor 1268 (6)	9.343	35004	0.670 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26011\
Data File : ECD2F035.D
Signal(s) : ECD1A.CH
Acq On : 26 Dec 2019 17:47
Operator : MJB / KAK
Sample : 9L26011-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 27 08:14:42 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 9L26012 (A9J0861-03)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **9L26012**

Instrument: **DUALECD2R**

Date: **12/26/19 07:17**

Calibration: **A9J2803**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	9L26012-CCV1	Sediment	QC	QC				A19L338
2	9L26012-CCB1	Sediment	QC	QC				A19L339
3	9121119-BLK1	Sediment	QC	QC		9121119		
4	9121119-BS1	Sediment	QC	QC		9121119		
5	A9J0553-46	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
6	9L26012-IBL1	Sediment	QC	QC				
7	A9J0553-47	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
8	9L26012-IBL2	Sediment	QC	QC				
9	A9J0553-48	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
10	9L26012-IBL3	Sediment	QC	QC				
11	A9J0553-49	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
12	9L26012-IBL4	Sediment	QC	QC				
13	A9J0553-50	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
14	9L26012-IBL5	Sediment	QC	QC				
15	9L26012-CCV2	Sediment	QC	QC				A19L338
16	9L26012-CCB2	Sediment	QC	QC				A19L339
17	A9J0861-03	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
18	9L26012-IBL6	Sediment	QC	QC				
19	A9J0903-05	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
20	9L26012-IBL7	Sediment	QC	QC				
21	A9J0903-06	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
22	9L26012-IBL8	Sediment	QC	QC				
23	A9J0903-24	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
24	9L26012-IBL9	Sediment	QC	QC				
25	A9J0903-25	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	9121119		
26	9L26012-IBLA	Sediment	QC	QC				
27	9121119-MS1	Sediment	QC	QC		9121119		
28	9L26012-IBLB	Sediment	QC	QC				
29	9121119-MSD1	Sediment	QC	QC		9121119		
30	9L26012-IBLC	Sediment	QC	QC				
31	9L26012-CCV3	Sediment	QC	QC				A19L338
32	9L26012-CCB3	Sediment	QC	QC				A19L339

Data Entered By: *[Signature]* 1/9/20

Comments:

Data Reviewed By: *[Signature]* 1/13/20

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.

9L26012-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	440.33
1016 (2)	429.44
1016 (3)	426.16
1016 (4)	458.55
1016 (5)	453.08
1016 (6)	450.27
Average:	442.97

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	481.49
1260 (2)	498.41
1260 (3)	493.81
1260 (4)	502.11
1260 (5)	500.09
1260 (6)	499.05
Average:	495.83

9121119-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	598.33
1016 (2)	685.22
1016 (3)	611.25
1016 (4)	730.61
1016 (5)	742.00
1016 (6)	718.74
Average:	681.03

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,038.10
1260 (2)	1,060.40
1260 (3)	1,026.22
1260 (4)	1,264.93
1260 (5)	1,196.75
1260 (6)	1,229.94
Average:	1,136.06

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.

9L26012-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	428.82
1016 (2)	407.76
1016 (3)	404.25
1016 (4)	451.99
1016 (5)	445.89
1016 (6)	461.94
Average:	433.44

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	506.80
1260 (2)	498.79
1260 (3)	484.89
1260 (4)	510.00
1260 (5)	508.37
1260 (6)	524.13
Average:	505.50

9121119-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	590.70
1016 (2)	646.15
1016 (3)	576.69
1016 (4)	596.06
1016 (5)	620.47
1016 (6)	556.27
Average:	597.72

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	619.24
1260 (2)	666.30
1260 (3)	624.15
1260 (4)	696.56
1260 (5)	636.69
1260 (6)	631.36
Average:	645.72

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.

9121119-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	302.82
1016 (2)	367.21
1016 (3)	304.57
1016 (4)	278.63
1016 (5)	293.07
1016 (6)	262.97
Average:	301.55

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	254.12
1260 (2)	277.36
1260 (3)	251.90
1260 (4)	258.32
1260 (5)	235.28
1260 (6)	222.49
Average:	249.91

9L26012-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	430.66
1016 (2)	420.67
1016 (3)	414.64
1016 (4)	448.82
1016 (5)	467.04
1016 (6)	442.03
Average:	437.31

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	490.12
1260 (2)	496.04
1260 (3)	513.31
1260 (4)	516.44
1260 (5)	530.33
1260 (6)	523.27
Average:	511.59

Data Path : K:\DATA\9L26012\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:07
 Operator : MJB / KAK
 Sample : 9L26012-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:29:45 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

119/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.713	66909647	255.057	ng/ml
62) S DCBP (S)	10.692	40038416	272.759	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.385	3911450	440.325	ng/ml
3) Aroclor 1016 (2)	6.876	7027013	429.438	ng/ml
4) Aroclor 1016 (3)	7.004	3139046	426.163	ng/ml
5) Aroclor 1016 (4)	7.087	3419562	458.552	ng/ml
6) Aroclor 1016 (5)	7.133	3738409	453.082	ng/ml
7) Aroclor 1016 (6)	7.258	3706236	450.273	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.888	283562	132.267	ng/ml
10) Aroclor 1221 (2)	5.962	488152	223.308	ng/ml
11) Aroclor 1221 (3)	6.051	2243478	317.109	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.051	2243478	391.897	ng/ml
14) Aroclor 1232 (2)	6.385	3911450	1125.195	ng/ml
15) Aroclor 1232 (3)	6.876	7027013	1085.378	ng/ml
16) Aroclor 1232 (4)	7.087	3419562	1432.217	ng/ml
17) Aroclor 1232 (5)	7.133	3738409	1368.203	ng/ml
18) Aroclor 1232 (6)	7.258	3706236	1249.565	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.385	3911450	597.034	ng/ml
21) Aroclor 1242 (2)	6.876	7027013	593.912	ng/ml
22) Aroclor 1242 (3)	7.004	3139046	594.241	ng/ml
23) Aroclor 1242 (4)	7.087	3419562	684.908	ng/ml
24) Aroclor 1242 (5)	7.133	3738409	642.994	ng/ml
25) Aroclor 1242 (6)	7.258	3706236	598.254	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.849	5829077	781.129	ng/ml
28) Aroclor 1248 (2)	7.087	3419562	366.271	ng/ml
29) Aroclor 1248 (3)	7.133	3738409	426.293	ng/ml
30) Aroclor 1248 (4)	7.258	3706236	353.968	ng/ml
31) Aroclor 1248 (5)	7.624	835866	64.631	ng/ml
32) Aroclor 1248 (6)	7.781	3204275	271.754	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.600	2581467	199.726	ng/ml
35) Aroclor 1254 (2)	7.781	3204275	158.255	ng/ml
36) Aroclor 1254 (3)	8.092	1798000	83.910	ng/ml
37) Aroclor 1254 (4)	8.331	1237010	74.895	ng/ml
38) Aroclor 1254 (5)	8.666	9941518	633.494	ng/ml
39) Aroclor 1254 (6)	8.912	7100619	1452.025	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.227	7599353	481.494	ng/ml
42) Aroclor 1260 (2)	8.433	9755790	498.412	ng/ml
43) Aroclor 1260 (3)	8.666	9941518	493.813	ng/ml
44) Aroclor 1260 (4)	9.156	15538289	502.107	ng/ml
45) Aroclor 1260 (5)	9.423	8950188	500.089	ng/ml
46) Aroclor 1260 (6)	10.007	3442726	499.051	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:07
 Operator : MJB / KAK
 Sample : 9L26012-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:29:45 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

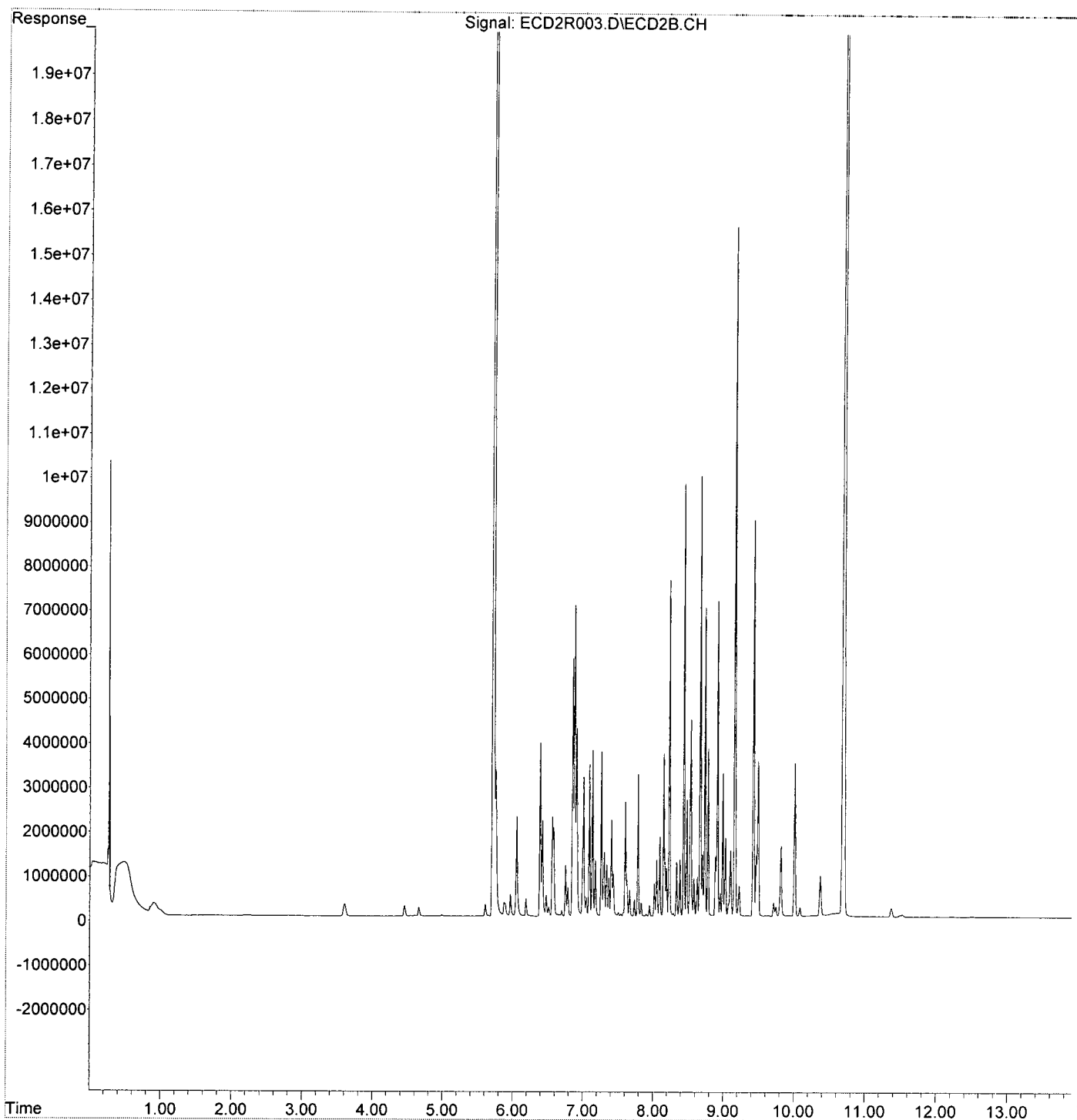
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.433	9755790	644.648	ng/ml
49) Aroclor 1262 (2)	8.733	6955912	328.818	ng/ml
50) Aroclor 1262 (3)	8.912	7100619	406.487	ng/ml
51) Aroclor 1262 (4)	9.156	15538289	433.917	ng/ml
52) Aroclor 1262 (5)	9.423	8950188	407.478	ng/ml
53) Aroclor 1262 (6)	10.007	3442726	354.901	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.952	517606	55.458	ng/ml
56) Aroclor 1268 (2)	9.423	8950188	228.110	ng/ml
57) Aroclor 1268 (3)	9.488	3483850	110.503	ng/ml
58) Aroclor 1268 (4)	9.710	297990	11.002	ng/ml
59) Aroclor 1268 (5)	10.007	3442726	324.902	ng/ml
60) Aroclor 1268 (6)	10.369	889512	12.105	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:07
 Operator : MJB / KAK
 Sample : 9L26012-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:29:45 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:25
 Operator : MJB / KAK
 Sample : 9L26012-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:30:07 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 11/9/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.713	23626662	90.064 ng/ml
62) S DCBP (S)	10.691	15901039	108.325 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.387	4098	0.461 ng/ml
3) Aroclor 1016 (2)	6.886	8997	0.550 ng/ml
4) Aroclor 1016 (3)	7.005	9336	1.267 ng/ml
5) Aroclor 1016 (4)	7.083	9907	1.329 ng/ml
6) Aroclor 1016 (5)	7.135	10463	1.268 ng/ml
7) Aroclor 1016 (6)	7.257	11747	1.427 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.886	21234	9.904 ng/ml
10) Aroclor 1221 (2)	5.976	11714	5.359 ng/ml
11) Aroclor 1221 (3)	6.033	44042	6.225 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.033	44042	7.693 ng/ml
14) Aroclor 1232 (2)	6.387	4098	1.179 ng/ml
15) Aroclor 1232 (3)	6.886	8997	1.390 ng/ml
16) Aroclor 1232 (4)	7.083	9907	4.150 ng/ml
17) Aroclor 1232 (5)	7.135	10463	3.829 ng/ml
18) Aroclor 1232 (6)	7.257	11747	3.960 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.387	4098	0.625 ng/ml
21) Aroclor 1242 (2)	6.886	8997	0.760 ng/ml
22) Aroclor 1242 (3)	7.005	9336	1.767 ng/ml
23) Aroclor 1242 (4)	7.083	9907	1.984 ng/ml
24) Aroclor 1242 (5)	7.135	10463	1.800 ng/ml
25) Aroclor 1242 (6)	7.257	11747	1.896 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.866	7738	1.037 ng/ml
28) Aroclor 1248 (2)	7.083	9907	1.061 ng/ml
29) Aroclor 1248 (3)	7.135	10463	1.193 ng/ml
30) Aroclor 1248 (4)	7.257	11747	1.122 ng/ml
31) Aroclor 1248 (5)	7.625	12292	0.950 ng/ml
32) Aroclor 1248 (6)	7.786	30249	2.565 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.600	12216	0.945 ng/ml
35) Aroclor 1254 (2)	7.786	30249	1.494 ng/ml
36) Aroclor 1254 (3)	8.100	23350	1.090 ng/ml
37) Aroclor 1254 (4)	8.336	20545	1.244 ng/ml
38) Aroclor 1254 (5)	8.665	18785	1.197 ng/ml
39) Aroclor 1254 (6)	8.907	15477	3.165 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.227	21764	1.379 ng/ml
42) Aroclor 1260 (2)	8.441	21043	1.075 ng/ml
43) Aroclor 1260 (3)	8.665	18785	0.933 ng/ml
44) Aroclor 1260 (4)	9.173	9027	0.292 ng/ml
45) Aroclor 1260 (5)	9.419	7751	0.433 ng/ml
46) Aroclor 1260 (6)	10.008	4031	0.584 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:25
 Operator : MJB / KAK
 Sample : 9L26012-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:30:07 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

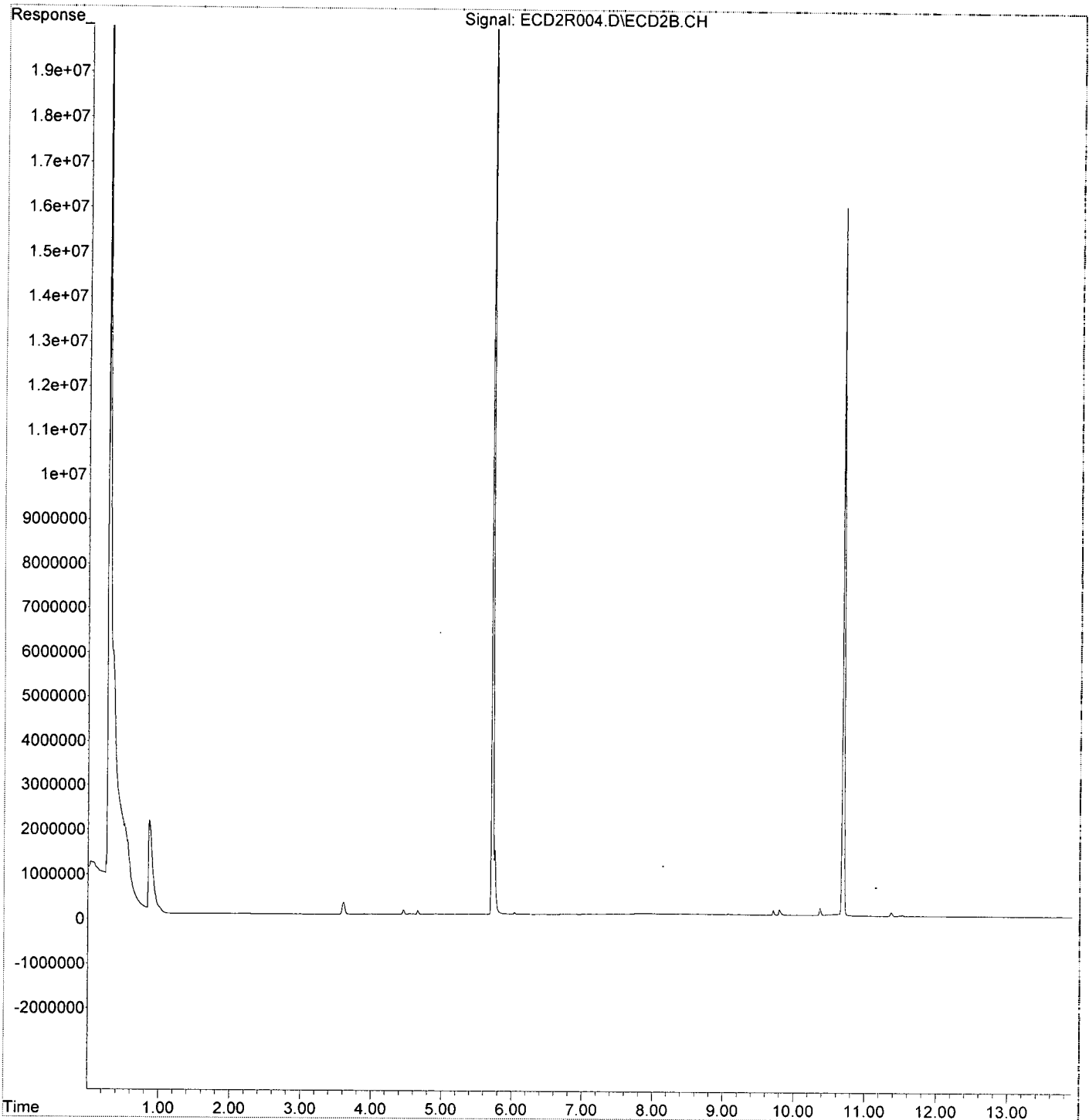
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.436	21149	1.398 ng/ml
49) Aroclor 1262 (2)	8.740	16610	0.785 ng/ml
50) Aroclor 1262 (3)	8.915	15323	0.877 ng/ml
51) Aroclor 1262 (4)	9.173	9027	0.252 ng/ml
52) Aroclor 1262 (5)	9.419	7751	0.353 ng/ml
53) Aroclor 1262 (6)	10.008	4031	0.416 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.967	13757	1.474 ng/ml
56) Aroclor 1268 (2)	9.419	7751	0.198 ng/ml
57) Aroclor 1268 (3)	9.501	5933	0.188 ng/ml
58) Aroclor 1268 (4)	9.711	116410	4.298 ng/ml
59) Aroclor 1268 (5)	10.008	4031	0.380 ng/ml
60) Aroclor 1268 (6)	10.370	162968	2.218 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 8:25
Operator : MJB / KAK
Sample : 9L26012-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:30:07 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:55
 Operator : MJB / KAK
 Sample : 9121119-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:30:28 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

11/9/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.710	28235716	107.634 ng/ml
62) S DCBP (S)	10.692	21184188	144.316 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.385	7901	0.889 ng/ml
3) Aroclor 1016 (2)	6.876	11642	0.711 ng/ml
4) Aroclor 1016 (3)	7.002	10522	1.428 ng/ml
5) Aroclor 1016 (4)	7.087	8587	1.152 ng/ml
6) Aroclor 1016 (5)	7.133	8264	1.002 ng/ml
7) Aroclor 1016 (6)	7.273	33786	4.105 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.902	16441	7.669 ng/ml
10) Aroclor 1221 (2)	5.960	12907	5.904 ng/ml
11) Aroclor 1221 (3)	6.031	52971	7.487 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.031	52971	9.253 ng/ml
14) Aroclor 1232 (2)	6.385	7901	2.273 ng/ml
15) Aroclor 1232 (3)	6.876	11642	1.798 ng/ml
16) Aroclor 1232 (4)	7.087	8587	3.597 ng/ml
17) Aroclor 1232 (5)	7.133	8264	3.024 ng/ml
18) Aroclor 1232 (6)	7.273	33786	11.391 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.385	7901	1.206 ng/ml
21) Aroclor 1242 (2)	6.876	11642	0.984 ng/ml
22) Aroclor 1242 (3)	7.002	10522	1.992 ng/ml
23) Aroclor 1242 (4)	7.087	8587	1.720 ng/ml
24) Aroclor 1242 (5)	7.133	8264	1.421 ng/ml
25) Aroclor 1242 (6)	7.273	33786	5.454 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.848	11272	1.511 ng/ml
28) Aroclor 1248 (2)	7.087	8587	0.920 ng/ml
29) Aroclor 1248 (3)	7.133	8264	0.942 ng/ml
30) Aroclor 1248 (4)	7.273	33786	3.227 ng/ml
31) Aroclor 1248 (5)	7.624	2079	0.161 ng/ml
32) Aroclor 1248 (6)	7.776	34389	2.916 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.600	5336	0.413 ng/ml
35) Aroclor 1254 (2)	7.776	34389	1.698 ng/ml
36) Aroclor 1254 (3)	8.092	9005	0.420 ng/ml
37) Aroclor 1254 (4)	8.332	16771	1.015 ng/ml
38) Aroclor 1254 (5)	8.666	13357	0.851 ng/ml
39) Aroclor 1254 (6)	8.911	6843	1.399 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.227	16542	1.048 ng/ml
42) Aroclor 1260 (2)	8.432	13113	0.670 ng/ml
43) Aroclor 1260 (3)	8.666	13357	0.663 ng/ml
44) Aroclor 1260 (4)	9.158	13092	0.423 ng/ml
45) Aroclor 1260 (5)	9.422	14015	0.783 ng/ml
46) Aroclor 1260 (6)	10.008	11700	1.696 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 8:55
 Operator : MJB / KAK
 Sample : 9121119-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:30:28 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

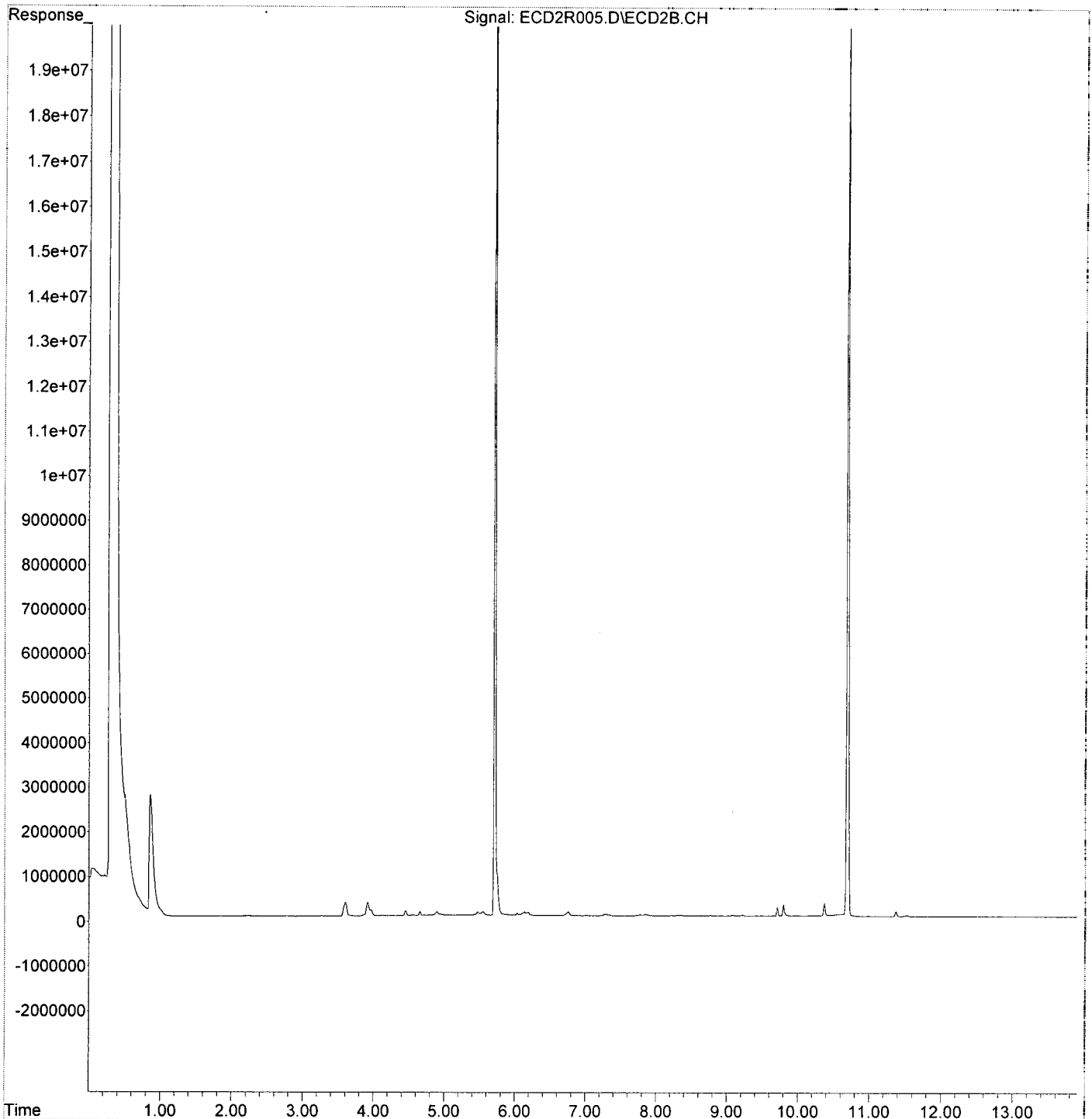
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.432	13113	0.866 ng/ml
49) Aroclor 1262 (2)	8.734	9621	0.455 ng/ml
50) Aroclor 1262 (3)	8.911	6843	0.392 ng/ml
51) Aroclor 1262 (4)	9.158	13092	0.366 ng/ml
52) Aroclor 1262 (5)	9.422	14015	0.638 ng/ml
53) Aroclor 1262 (6)	10.008	11700	1.206 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.954	5775	0.619 ng/ml
56) Aroclor 1268 (2)	9.422	14015	0.357 ng/ml
57) Aroclor 1268 (3)	9.487	19179	0.608 ng/ml
58) Aroclor 1268 (4)	9.710	194744	7.190 ng/ml
59) Aroclor 1268 (5)	10.008	11700	1.104 ng/ml
60) Aroclor 1268 (6)	10.371	277547	3.777 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 8:55
Operator : MJB / KAK
Sample : 9121119-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:30:28 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 9:13
 Operator : MJB / KAK
 Sample : 9121119-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:30:49 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/9/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.713	34482801	131.447	ng/ml
62) S DCBP (S)	10.692	36815278	250.802	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.385	5315016	598.329	ng/ml
3) Aroclor 1016 (2)	6.876	11212358	685.215	ng/ml
4) Aroclor 1016 (3)	7.004	4502336	611.246	ng/ml
5) Aroclor 1016 (4)	7.088	5448412	730.613	ng/ml
6) Aroclor 1016 (5)	7.132	6122302	742.002	ng/ml
7) Aroclor 1016 (6)	7.258	5916021	718.741	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.874	384369	179.289	ng/ml
10) Aroclor 1221 (2)	5.962	624487	285.676	ng/ml
11) Aroclor 1221 (3)	6.051	2882142	407.382	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.051	2882142	503.460	ng/ml
14) Aroclor 1232 (2)	6.385	5315016	1528.954	ng/ml
15) Aroclor 1232 (3)	6.876	11212358	1731.838	ng/ml
16) Aroclor 1232 (4)	7.088	5448412	2281.961	ng/ml
17) Aroclor 1232 (5)	7.132	6122302	2240.673	ng/ml
18) Aroclor 1232 (6)	7.258	5916021	1994.599	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.385	5315016	811.272	ng/ml
21) Aroclor 1242 (2)	6.876	11212358	947.651	ng/ml
22) Aroclor 1242 (3)	7.004	4502336	852.320	ng/ml
23) Aroclor 1242 (4)	7.088	5448412	1091.268	ng/ml
24) Aroclor 1242 (5)	7.132	6122302	1053.015	ng/ml
25) Aroclor 1242 (6)	7.258	5916021	954.954	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.848	9082603	1217.120	ng/ml
28) Aroclor 1248 (2)	7.088	5448412	583.582	ng/ml
29) Aroclor 1248 (3)	7.132	6122302	698.129	ng/ml
30) Aroclor 1248 (4)	7.258	5916021	565.016	ng/ml
31) Aroclor 1248 (5)	7.623	1502268	116.158	ng/ml
32) Aroclor 1248 (6)	7.781	5957931	505.291	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.600	4454801	344.664	ng/ml
35) Aroclor 1254 (2)	7.781	5957931	294.254	ng/ml
36) Aroclor 1254 (3)	8.092	3252382	151.784	ng/ml
37) Aroclor 1254 (4)	8.331	2445892	148.087	ng/ml
38) Aroclor 1254 (5)	8.666	20660034	1316.500	ng/ml
39) Aroclor 1254 (6)	8.912	15909665	3253.412	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.227	16384236	1038.102	ng/ml
42) Aroclor 1260 (2)	8.432	20755900	1060.396	ng/ml
43) Aroclor 1260 (3)	8.666	20660034	1026.220	ng/ml
44) Aroclor 1260 (4)	9.156	39144650	1264.927	ng/ml
45) Aroclor 1260 (5)	9.423	21418517	1196.753	ng/ml
46) Aroclor 1260 (6)	10.007	8484776	1229.937	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 9:13
 Operator : MJB / KAK
 Sample : 9121119-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:30:49 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

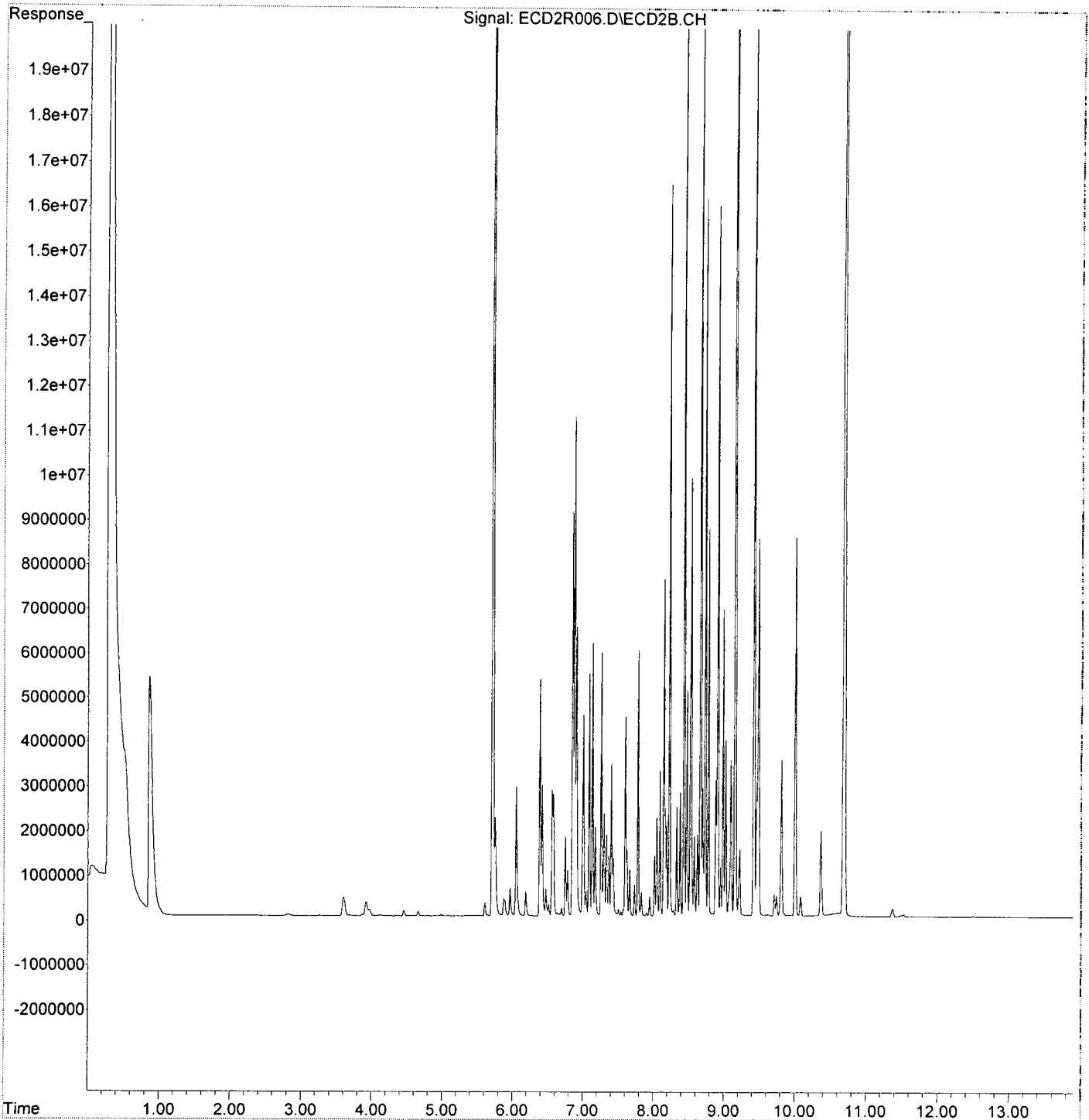
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.432	20755900	1371.519	ng/ml
49) Aroclor 1262 (2)	8.733	16072721	759.786	ng/ml
50) Aroclor 1262 (3)	8.912	15909665	910.775	ng/ml
51) Aroclor 1262 (4)	9.156	39144650	1093.141	ng/ml
52) Aroclor 1262 (5)	9.423	21418517	975.128	ng/ml
53) Aroclor 1262 (6)	10.007	8484776	874.671	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.952	1100327	117.892	ng/ml
56) Aroclor 1268 (2)	9.423	21418517	545.887	ng/ml
57) Aroclor 1268 (3)	9.487	8469471	268.641	ng/ml
58) Aroclor 1268 (4)	9.710	475655	17.561	ng/ml
59) Aroclor 1268 (5)	10.007	8484776	800.739	ng/ml
60) Aroclor 1268 (6)	10.368	1889380	25.713	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 9:13
Operator : MJB / KAK
Sample : 9121119-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:30:49 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 12:27
 Operator : MJB / KAK
 Sample : 9L26012-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:32:55 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1/9/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.714	65131237	248.278 ng/ml
62) S DCBP (S)	10.690	40259870	274.268 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.385	3809251	428.820 ng/ml
3) Aroclor 1016 (2)	6.876	6672243	407.757 ng/ml
4) Aroclor 1016 (3)	7.003	2977658	404.253 ng/ml
5) Aroclor 1016 (4)	7.087	3370601	451.986 ng/ml
6) Aroclor 1016 (5)	7.132	3679107	445.895 ng/ml
7) Aroclor 1016 (6)	7.257	3802236	461.936 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.887	279644	130.440 ng/ml
10) Aroclor 1221 (2)	5.963	475028	217.305 ng/ml
11) Aroclor 1221 (3)	6.050	2093980	295.978 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.050	2093980	365.782 ng/ml
14) Aroclor 1232 (2)	6.385	3809251	1095.795 ng/ml
15) Aroclor 1232 (3)	6.876	6672243	1030.581 ng/ml
16) Aroclor 1232 (4)	7.087	3370601	1411.711 ng/ml
17) Aroclor 1232 (5)	7.132	3679107	1346.499 ng/ml
18) Aroclor 1232 (6)	7.257	3802236	1281.932 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.385	3809251	581.435 ng/ml
21) Aroclor 1242 (2)	6.876	6672243	563.928 ng/ml
22) Aroclor 1242 (3)	7.003	2977658	563.689 ng/ml
23) Aroclor 1242 (4)	7.087	3370601	675.101 ng/ml
24) Aroclor 1242 (5)	7.132	3679107	632.794 ng/ml
25) Aroclor 1242 (6)	7.257	3802236	613.751 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.849	5452254	730.633 ng/ml
28) Aroclor 1248 (2)	7.087	3370601	361.027 ng/ml
29) Aroclor 1248 (3)	7.132	3679107	419.530 ng/ml
30) Aroclor 1248 (4)	7.257	3802236	363.136 ng/ml
31) Aroclor 1248 (5)	7.622	833972	64.484 ng/ml
32) Aroclor 1248 (6)	7.780	3193972	270.880 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.599	2618086	202.559 ng/ml
35) Aroclor 1254 (2)	7.780	3193972	157.746 ng/ml
36) Aroclor 1254 (3)	8.091	1759045	82.092 ng/ml
37) Aroclor 1254 (4)	8.330	1229815	74.459 ng/ml
38) Aroclor 1254 (5)	8.665	9761878	622.047 ng/ml
39) Aroclor 1254 (6)	8.911	7294666	1491.707 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.226	7998730	506.798 ng/ml
42) Aroclor 1260 (2)	8.432	9763092	498.785 ng/ml
43) Aroclor 1260 (3)	8.665	9761878	484.889 ng/ml
44) Aroclor 1260 (4)	9.154	15782564	510.000 ng/ml
45) Aroclor 1260 (5)	9.421	9098394	508.370 ng/ml
46) Aroclor 1260 (6)	10.004	3615748	524.132 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 12:27
 Operator : MJB / KAK
 Sample : 9L26012-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:32:55 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

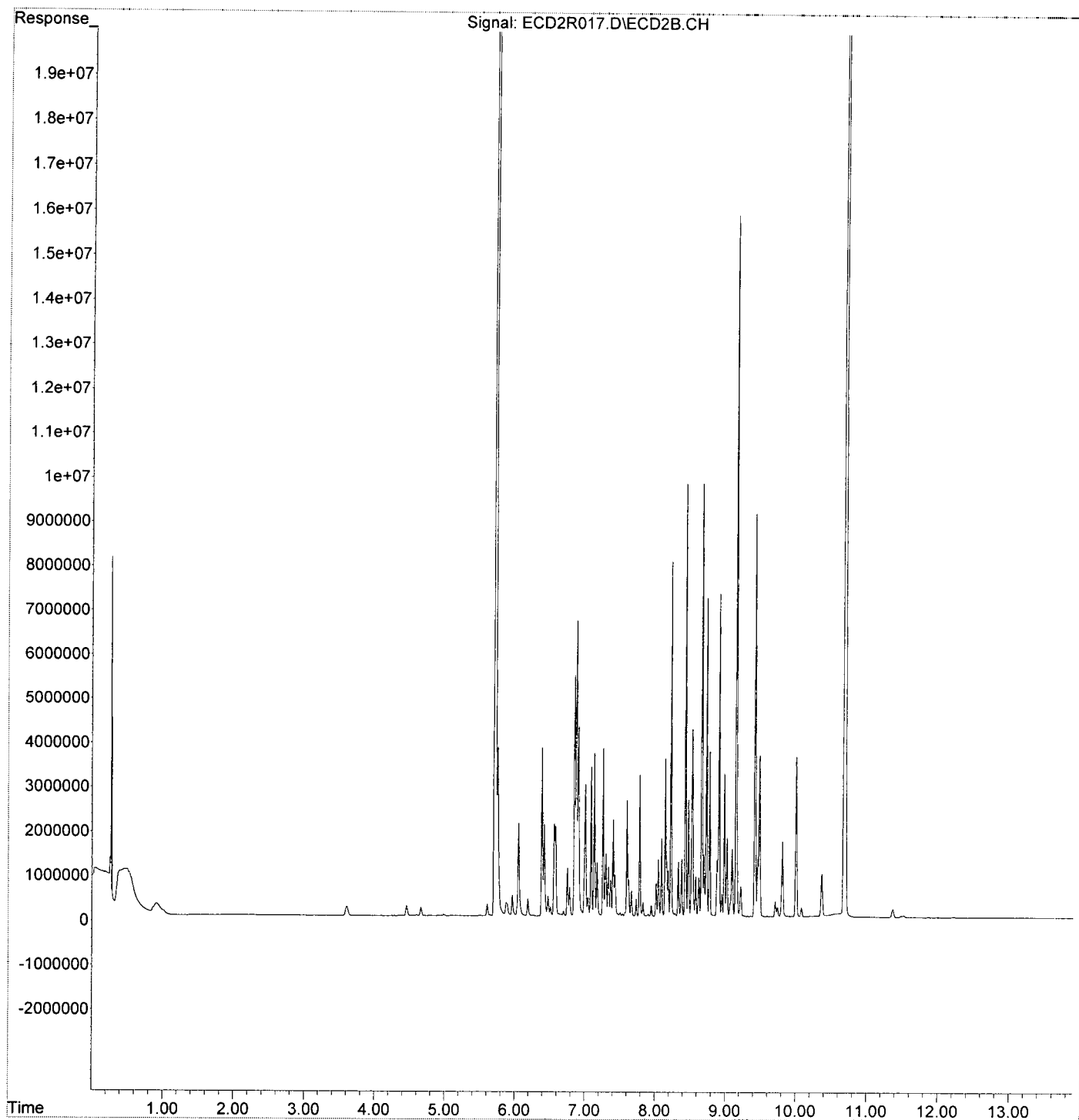
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.432	9763092	645.130	ng/ml
49) Aroclor 1262 (2)	8.732	7202431	340.472	ng/ml
50) Aroclor 1262 (3)	8.911	7294666	417.595	ng/ml
51) Aroclor 1262 (4)	9.154	15782564	440.739	ng/ml
52) Aroclor 1262 (5)	9.421	9098394	414.226	ng/ml
53) Aroclor 1262 (6)	10.004	3615748	372.737	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.951	517340	55.429	ng/ml
56) Aroclor 1268 (2)	9.421	9098394	231.888	ng/ml
57) Aroclor 1268 (3)	9.486	3645959	115.645	ng/ml
58) Aroclor 1268 (4)	9.709	340389	12.567	ng/ml
59) Aroclor 1268 (5)	10.004	3615748	341.231	ng/ml
60) Aroclor 1268 (6)	10.366	947458	12.894	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 12:27
Operator : MJB / KAK
Sample : 9L26012-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:32:55 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 12:45
 Operator : MJB / KAK
 Sample : 9L26012-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:33:16 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

11/9/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.713	24723766	94.246 ng/ml
62) S DCBP (S)	10.690	15931815	108.534 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.392	3102	0.349 ng/ml
3) Aroclor 1016 (2)	6.885	3707	0.227 ng/ml
4) Aroclor 1016 (3)	7.012	2638	0.358 ng/ml
5) Aroclor 1016 (4)	7.090	2370	0.318 ng/ml
6) Aroclor 1016 (5)	7.140	2362	0.286 ng/ml
7) Aroclor 1016 (6)	7.263	2290	0.278 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.932	11128	5.191 ng/ml
10) Aroclor 1221 (2)	5.968	9466	4.330 ng/ml
11) Aroclor 1221 (3)	6.033	45717	6.462 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.033	45717	7.986 ng/ml
14) Aroclor 1232 (2)	6.392	3102	0.892 ng/ml
15) Aroclor 1232 (3)	6.885	3707	0.573 ng/ml
16) Aroclor 1232 (4)	7.090	2370	0.993 ng/ml
17) Aroclor 1232 (5)	7.140	2362	0.864 ng/ml
18) Aroclor 1232 (6)	7.263	2290	0.772 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.392	3102	0.474 ng/ml
21) Aroclor 1242 (2)	6.885	3707	0.313 ng/ml
22) Aroclor 1242 (3)	7.012	2638	0.499 ng/ml
23) Aroclor 1242 (4)	7.090	2370	0.475 ng/ml
24) Aroclor 1242 (5)	7.140	2362	0.406 ng/ml
25) Aroclor 1242 (6)	7.263	2290	0.370 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.850	1681	0.225 ng/ml
28) Aroclor 1248 (2)	7.090	2370	0.254 ng/ml
29) Aroclor 1248 (3)	7.140	2362	0.269 ng/ml
30) Aroclor 1248 (4)	7.263	2290	0.219 ng/ml
31) Aroclor 1248 (5)	7.628	1593	0.123 ng/ml
32) Aroclor 1248 (6)	7.787	3616	0.307 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.608	1699	0.131 ng/ml
35) Aroclor 1254 (2)	7.787	3616	0.179 ng/ml
36) Aroclor 1254 (3)	8.096	4122	0.192 ng/ml
37) Aroclor 1254 (4)	8.337	2341	0.142 ng/ml
38) Aroclor 1254 (5)	8.660	3164	0.202 ng/ml
39) Aroclor 1254 (6)	8.902	3159	0.646 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.224	3304	0.209 ng/ml
42) Aroclor 1260 (2)	8.444	4351	0.222 ng/ml
43) Aroclor 1260 (3)	8.660	3164	0.157 ng/ml
44) Aroclor 1260 (4)	9.160	2627	0.085 ng/ml
45) Aroclor 1260 (5)	9.424	4937	0.276 ng/ml
46) Aroclor 1260 (6)	10.008	3498	0.507 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 12:45
 Operator : MJB / KAK
 Sample : 9L26012-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:33:16 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

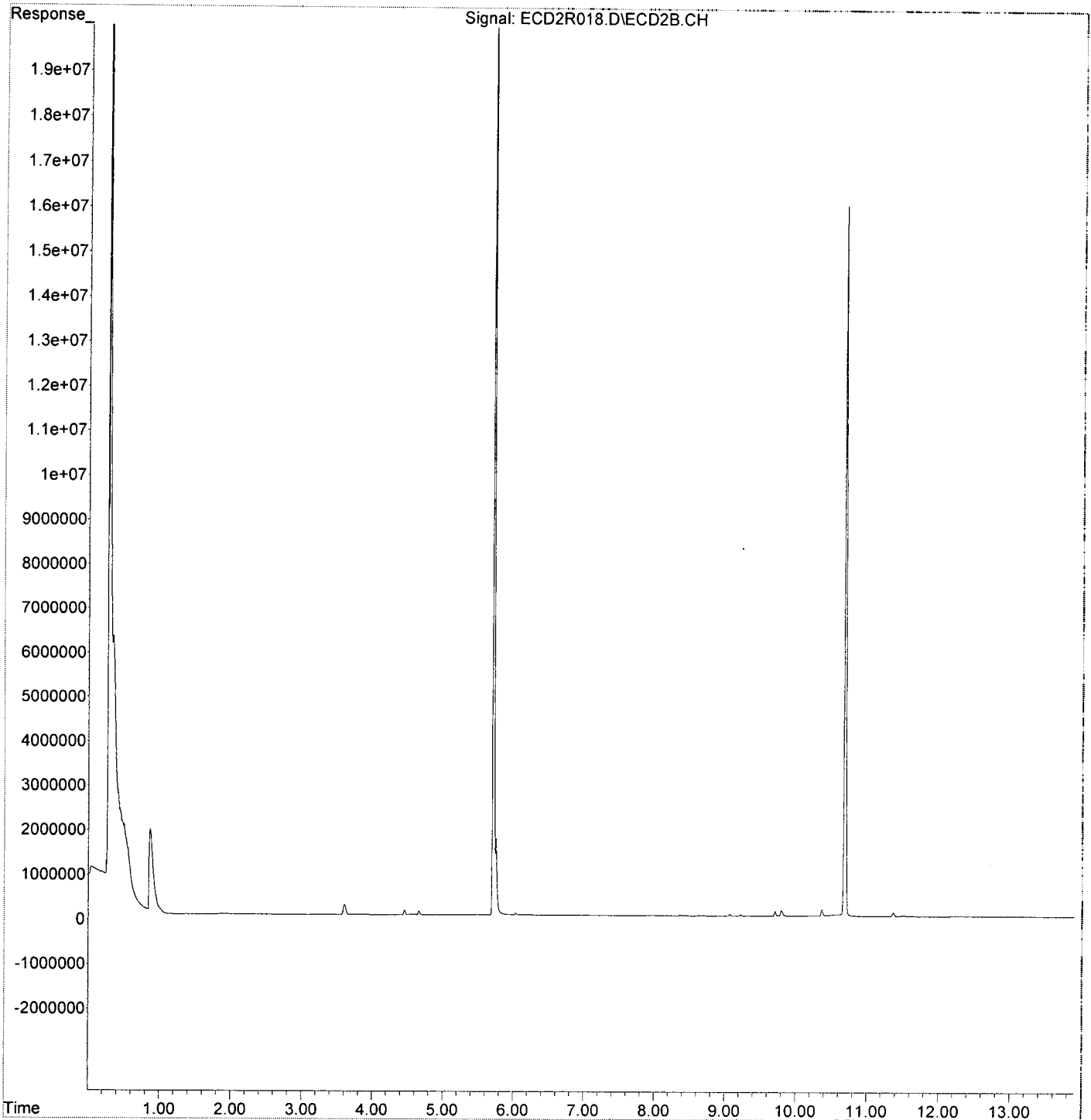
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.432	5363	0.354 ng/ml
49) Aroclor 1262 (2)	8.734	2350	0.111 ng/ml
50) Aroclor 1262 (3)	8.908	3204	0.183 ng/ml
51) Aroclor 1262 (4)	9.160	2627	0.073 ng/ml
52) Aroclor 1262 (5)	9.424	4937	0.225 ng/ml
53) Aroclor 1262 (6)	10.017	2715	0.280 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.959	2345	0.251 ng/ml
56) Aroclor 1268 (2)	9.424	4937	0.126 ng/ml
57) Aroclor 1268 (3)	9.503	1147	0.036 ng/ml
58) Aroclor 1268 (4)	9.711	109310	4.036 ng/ml
59) Aroclor 1268 (5)	10.017	2715	0.256 ng/ml
60) Aroclor 1268 (6)	10.370	149993	2.041 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 12:45
Operator : MJB / KAK
Sample : 9L26012-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:33:16 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 13:22
 Operator : MJB / KAK
 Sample : A9J0861-03
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:33:38 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/19/20

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.711	45312117	172.728 ng/ml
62) S DCBP (S)	10.690	33372724	227.349 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.386	15135	1.704 ng/ml
3) Aroclor 1016 (2)	6.875	12405	0.758 ng/ml
4) Aroclor 1016 (3)	7.004	16892	2.293 ng/ml
5) Aroclor 1016 (4)	7.086	20084	2.693 ng/ml
6) Aroclor 1016 (5)	7.134	21174	2.566 ng/ml
7) Aroclor 1016 (6)	7.259	26835	3.260 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.909	17843	8.323 ng/ml
10) Aroclor 1221 (2)	5.962	18863	8.629 ng/ml
11) Aroclor 1221 (3)	6.031	81060	11.458 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.031	81060	14.160 ng/ml
14) Aroclor 1232 (2)	6.386	15135	4.354 ng/ml
15) Aroclor 1232 (3)	6.875	12405	1.916 ng/ml
16) Aroclor 1232 (4)	7.086	20084	8.412 ng/ml
17) Aroclor 1232 (5)	7.134	21174	7.749 ng/ml
18) Aroclor 1232 (6)	7.259	26835	9.047 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.386	15135	2.310 ng/ml
21) Aroclor 1242 (2)	6.875	12405	1.048 ng/ml
22) Aroclor 1242 (3)	7.004	16892	3.198 ng/ml
23) Aroclor 1242 (4)	7.086	20084	4.023 ng/ml
24) Aroclor 1242 (5)	7.134	21174	3.642 ng/ml
25) Aroclor 1242 (6)	7.259	26835	4.332 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.844	17533	2.350 ng/ml
28) Aroclor 1248 (2)	7.086	20084	2.151 ng/ml
29) Aroclor 1248 (3)	7.134	21174	2.414 ng/ml
30) Aroclor 1248 (4)	7.259	26835	2.563 ng/ml
31) Aroclor 1248 (5)	7.627	24624	1.904 ng/ml
32) Aroclor 1248 (6)	7.793	19244	1.632 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.599	28889	2.235 ng/ml
35) Aroclor 1254 (2)	7.793	19244	0.950 ng/ml
36) Aroclor 1254 (3)	8.079	34099	1.591 ng/ml
37) Aroclor 1254 (4)	8.329	28489	1.725 ng/ml
38) Aroclor 1254 (5)	8.665	26896	1.714 ng/ml
39) Aroclor 1254 (6)	8.895	20748	4.243 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.215	25524	1.617 ng/ml
42) Aroclor 1260 (2)	8.430	33113	1.692 ng/ml
43) Aroclor 1260 (3)	8.665	26896	1.336 ng/ml
44) Aroclor 1260 (4)	9.153	22780	0.736 ng/ml
45) Aroclor 1260 (5)	9.422	19883	1.111 ng/ml
46) Aroclor 1260 (6)	10.005	11720	1.699 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 13:22
 Operator : MJB / KAK
 Sample : A9J0861-03
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:33:38 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

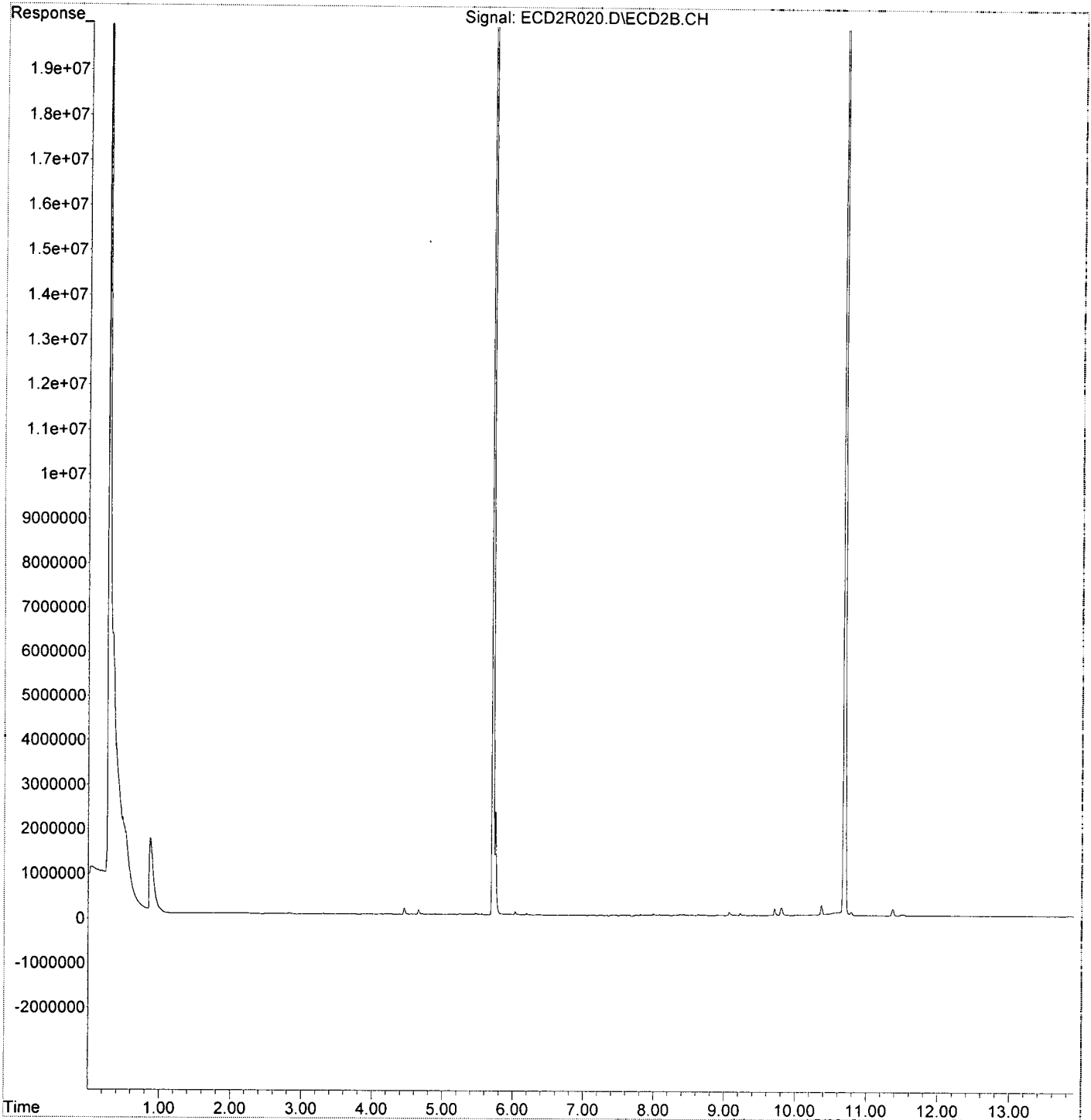
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.430	33113	2.188 ng/ml
49) Aroclor 1262 (2)	8.731	20934	0.990 ng/ml
50) Aroclor 1262 (3)	8.909	20342	1.164 ng/ml
51) Aroclor 1262 (4)	9.153	22780	0.636 ng/ml
52) Aroclor 1262 (5)	9.422	19883	0.905 ng/ml
53) Aroclor 1262 (6)	10.005	11720	1.208 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.959	15772	1.690 ng/ml
56) Aroclor 1268 (2)	9.422	19883	0.507 ng/ml
57) Aroclor 1268 (3)	9.490	11925	0.378 ng/ml
58) Aroclor 1268 (4)	9.711	168031	6.204 ng/ml
59) Aroclor 1268 (5)	10.005	11720	1.106 ng/ml
60) Aroclor 1268 (6)	10.370	239053	3.253 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 13:22
Operator : MJB / KAK
Sample : A9J0861-03
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:33:38 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L26012\
 Data File : ECD2R032.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 16:54
 Operator : MJB / KAK
 Sample : 9121119-MSD1
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:35:43 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 11/9/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.712	18299527	69.757	ng/ml
62) S DCBP (S)	10.689	8016401	54.611	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.385	2689977	302.820	ng/ml
3) Aroclor 1016 (2)	6.873	6008731	367.208	ng/ml
4) Aroclor 1016 (3)	7.001	2243416	304.570	ng/ml
5) Aroclor 1016 (4)	7.086	2077794	278.625	ng/ml
6) Aroclor 1016 (5)	7.131	2418117	293.067	ng/ml
7) Aroclor 1016 (6)	7.256	2164543	262.972	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.887	193971	90.478	ng/ml
10) Aroclor 1221 (2)	5.961	389691	178.266	ng/ml
11) Aroclor 1221 (3)	6.048	2012899	284.517	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.048	2012899	351.618	ng/ml
14) Aroclor 1232 (2)	6.385	2689977	773.817	ng/ml
15) Aroclor 1232 (3)	6.873	6008731	928.096	ng/ml
16) Aroclor 1232 (4)	7.086	2077794	870.243	ng/ml
17) Aroclor 1232 (5)	7.131	2418117	884.996	ng/ml
18) Aroclor 1232 (6)	7.256	2164543	729.780	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.385	2689977	410.592	ng/ml
21) Aroclor 1242 (2)	6.873	6008731	507.849	ng/ml
22) Aroclor 1242 (3)	7.001	2243416	424.692	ng/ml
23) Aroclor 1242 (4)	7.086	2077794	416.163	ng/ml
24) Aroclor 1242 (5)	7.131	2418117	415.908	ng/ml
25) Aroclor 1242 (6)	7.256	2164543	349.397	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.846	4804608	643.845	ng/ml
28) Aroclor 1248 (2)	7.086	2077794	222.553	ng/ml
29) Aroclor 1248 (3)	7.131	2418117	275.739	ng/ml
30) Aroclor 1248 (4)	7.256	2164543	206.727	ng/ml
31) Aroclor 1248 (5)	7.621	521003	40.285	ng/ml
32) Aroclor 1248 (6)	7.779	1750544	148.463	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.600	1468562	113.621	ng/ml
35) Aroclor 1254 (2)	7.779	1750544	86.457	ng/ml
36) Aroclor 1254 (3)	8.090	916415	42.768	ng/ml
37) Aroclor 1254 (4)	8.329	660090	39.965	ng/ml
38) Aroclor 1254 (5)	8.664	5071231	323.149	ng/ml
39) Aroclor 1254 (6)	8.911	3580246	732.134	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.226	4010688	254.117	ng/ml
42) Aroclor 1260 (2)	8.432	5428957	277.359	ng/ml
43) Aroclor 1260 (3)	8.664	5071231	251.897	ng/ml
44) Aroclor 1260 (4)	9.154	7994105	258.323	ng/ml
45) Aroclor 1260 (5)	9.420	4210938	235.285	ng/ml
46) Aroclor 1260 (6)	10.004	1534830	222.486	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten: S-06

Handwritten: Q-01

Handwritten: Q-01

Data Path : K:\DATA\9L26012\
 Data File : ECD2R032.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 16:54
 Operator : MJB / KAK
 Sample : 9121119-MSD1
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:35:43 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

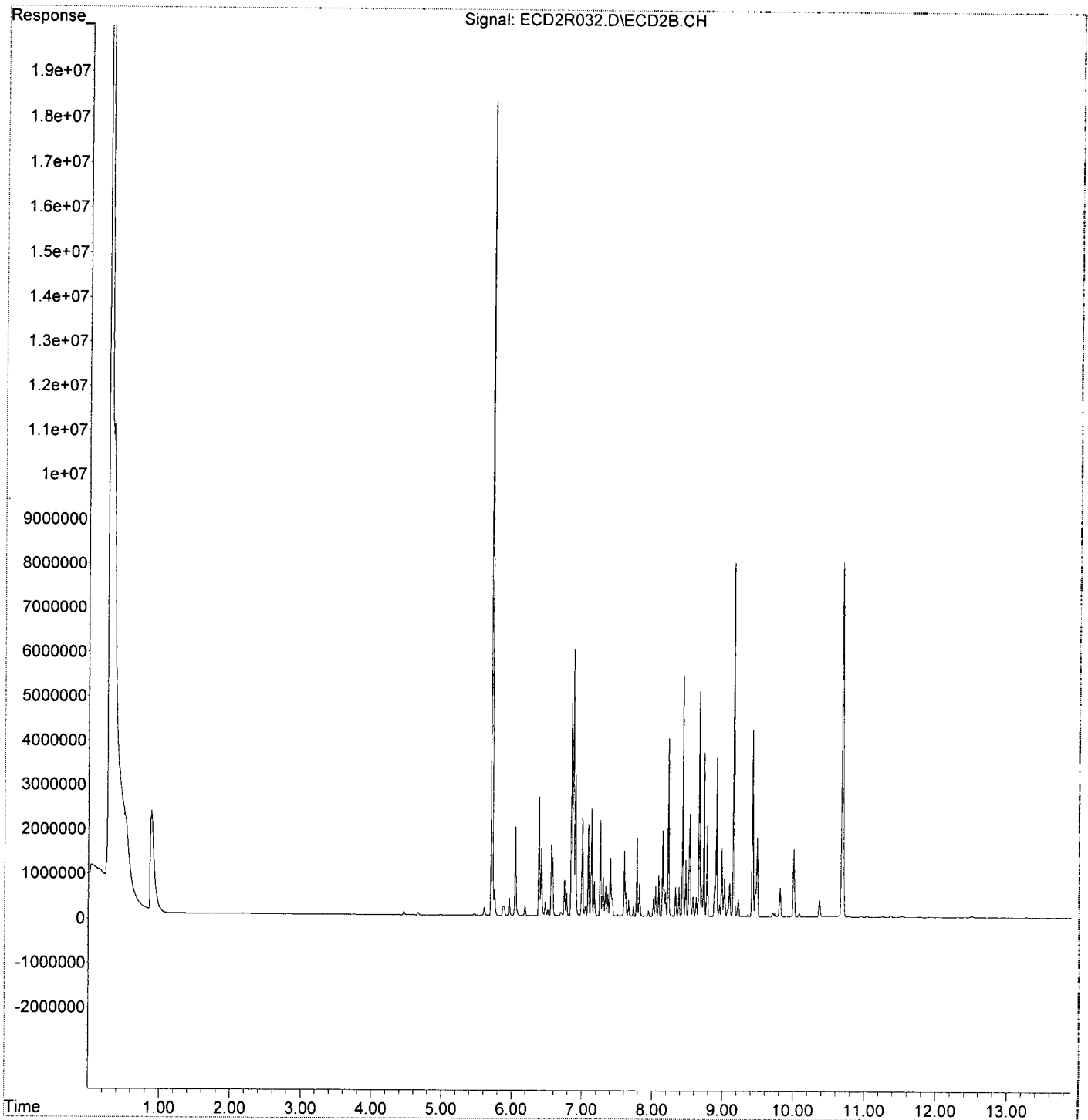
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.432	5428957	358.737 ng/ml
49) Aroclor 1262 (2)	8.733	3715047	175.617 ng/ml
50) Aroclor 1262 (3)	8.911	3580246	204.957 ng/ml
51) Aroclor 1262 (4)	9.154	7994105	223.241 ng/ml
52) Aroclor 1262 (5)	9.420	4210938	191.713 ng/ml
53) Aroclor 1262 (6)	10.004	1534830	158.221 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.951	273544	29.308 ng/ml
56) Aroclor 1268 (2)	9.420	4210938	107.323 ng/ml
57) Aroclor 1268 (3)	9.487	1789271	56.753 ng/ml
58) Aroclor 1268 (4)	9.709	92014	3.397 ng/ml
59) Aroclor 1268 (5)	10.004	1534830	144.847 ng/ml
60) Aroclor 1268 (6)	10.367	375878	5.115 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R032.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 16:54
Operator : MJB / KAK
Sample : 9121119-MSD1
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:35:43 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R034.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 17:29
 Operator : MJB / KAK
 Sample : 9L26012-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:36:04 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/19/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.713	69476565	264.842	ng/ml
62) S DCBP (S)	10.691	40947848	278.954	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.385	3825579	430.658	ng/ml
3) Aroclor 1016 (2)	6.877	6883545	420.671	ng/ml
4) Aroclor 1016 (3)	7.004	3054166	414.639	ng/ml
5) Aroclor 1016 (4)	7.087	3347012	448.823	ng/ml
6) Aroclor 1016 (5)	7.132	3853543	467.036	ng/ml
7) Aroclor 1016 (6)	7.258	3638427	442.035	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.874	314908	146.889	ng/ml
10) Aroclor 1221 (2)	5.963	471855	215.853	ng/ml
11) Aroclor 1221 (3)	6.051	2140957	302.618	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.051	2140957	373.988	ng/ml
14) Aroclor 1232 (2)	6.385	3825579	1100.493	ng/ml
15) Aroclor 1232 (3)	6.877	6883545	1063.218	ng/ml
16) Aroclor 1232 (4)	7.087	3347012	1401.831	ng/ml
17) Aroclor 1232 (5)	7.132	3853543	1410.340	ng/ml
18) Aroclor 1232 (6)	7.258	3638427	1226.703	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.385	3825579	583.927	ng/ml
21) Aroclor 1242 (2)	6.877	6883545	581.787	ng/ml
22) Aroclor 1242 (3)	7.004	3054166	578.172	ng/ml
23) Aroclor 1242 (4)	7.087	3347012	670.377	ng/ml
24) Aroclor 1242 (5)	7.132	3853543	662.796	ng/ml
25) Aroclor 1242 (6)	7.258	3638427	587.309	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.848	5861465	785.470	ng/ml
28) Aroclor 1248 (2)	7.087	3347012	358.500	ng/ml
29) Aroclor 1248 (3)	7.132	3853543	439.422	ng/ml
30) Aroclor 1248 (4)	7.258	3638427	347.492	ng/ml
31) Aroclor 1248 (5)	7.623	851402	65.832	ng/ml
32) Aroclor 1248 (6)	7.780	3175235	269.291	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.599	2712753	209.883	ng/ml
35) Aroclor 1254 (2)	7.780	3175235	156.820	ng/ml
36) Aroclor 1254 (3)	8.092	1775534	82.862	ng/ml
37) Aroclor 1254 (4)	8.331	1209647	73.238	ng/ml
38) Aroclor 1254 (5)	8.665	10333973	658.502	ng/ml
39) Aroclor 1254 (6)	8.911	7464701	1526.477	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.226	7735436	490.116	ng/ml
42) Aroclor 1260 (2)	8.432	9709367	496.041	ng/ml
43) Aroclor 1260 (3)	8.665	10333973	513.306	ng/ml
44) Aroclor 1260 (4)	9.154	15981908	516.442	ng/ml
45) Aroclor 1260 (5)	9.421	9491422	530.330	ng/ml
46) Aroclor 1260 (6)	10.004	3609792	523.269	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R034.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 17:29
 Operator : MJB / KAK
 Sample : 9L26012-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:36:04 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

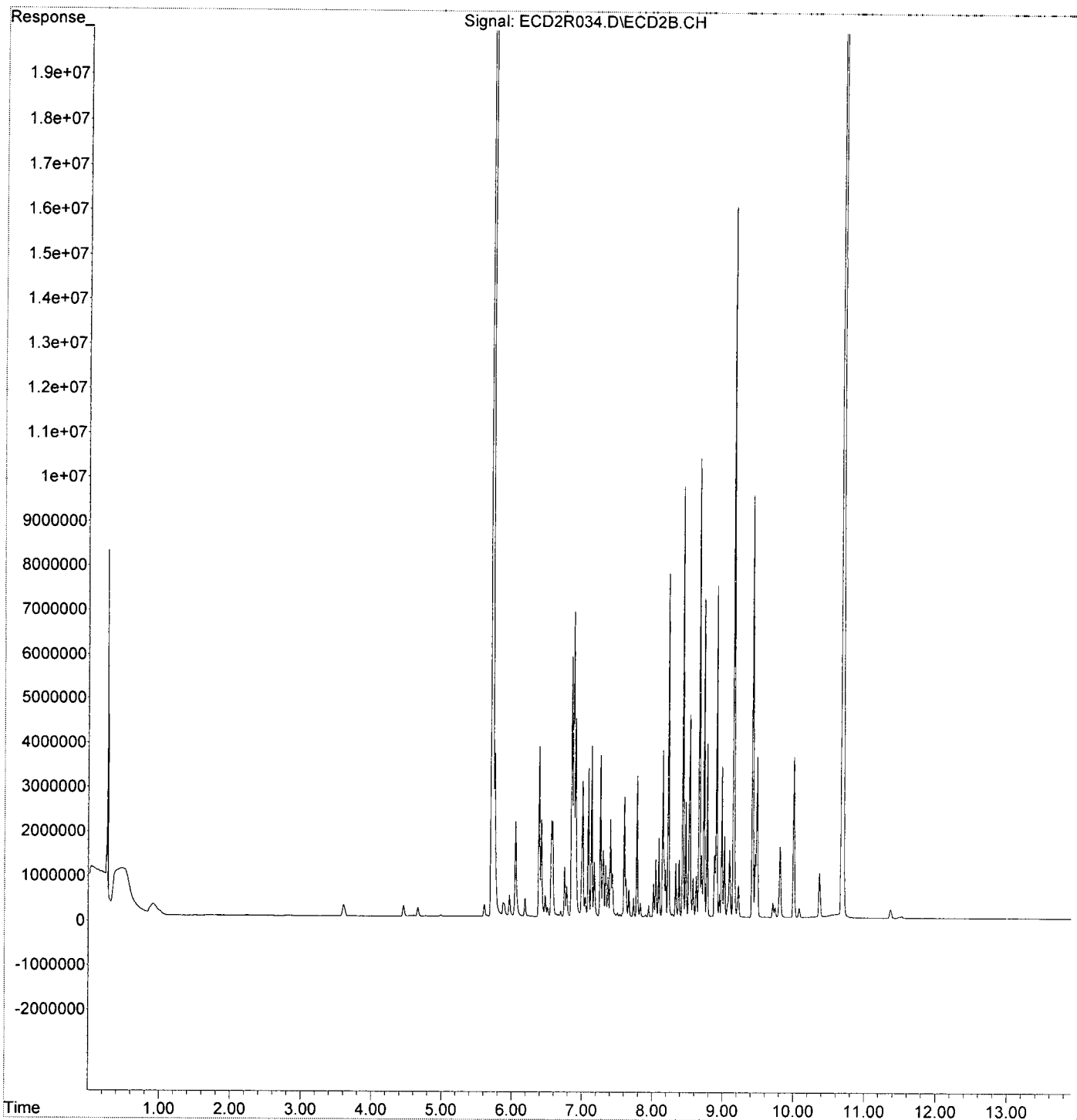
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	8.432	9709367	641.580 ng/ml
49)	Aroclor 1262 (2)	8.732	7171122	338.992 ng/ml
50)	Aroclor 1262 (3)	8.911	7464701	427.329 ng/ml
51)	Aroclor 1262 (4)	9.154	15981908	446.306 ng/ml
52)	Aroclor 1262 (5)	9.421	9491422	432.119 ng/ml
53)	Aroclor 1262 (6)	10.004	3609792	372.123 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.951	519847	55.698 ng/ml
56)	Aroclor 1268 (2)	9.421	9491422	241.905 ng/ml
57)	Aroclor 1268 (3)	9.486	3611351	114.547 ng/ml
58)	Aroclor 1268 (4)	9.709	325305	12.010 ng/ml
59)	Aroclor 1268 (5)	10.004	3609792	340.669 ng/ml
60)	Aroclor 1268 (6)	10.366	975237	13.272 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R034.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 17:29
Operator : MJB / KAK
Sample : 9L26012-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:36:04 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L26012\
 Data File : ECD2R035.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 17:47
 Operator : MJB / KAK
 Sample : 9L26012-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:36:26 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/19/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.715	27165874	103.555 ng/ml
62) S DCBP (S)	10.689	16761998	114.190 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	3238	0.364 ng/ml
3) Aroclor 1016 (2)	6.888	2764	0.169 ng/ml
4) Aroclor 1016 (3)	7.016	1729	0.235 ng/ml
5) Aroclor 1016 (4)	7.092	1510	0.202 ng/ml
6) Aroclor 1016 (5)	7.138	1619	0.196 ng/ml
7) Aroclor 1016 (6)	7.265	1469	0.179 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.965f	9614	4.485 ng/ml
10) Aroclor 1221 (2)	5.965	9614	4.398 ng/ml
11) Aroclor 1221 (3)	6.035	45967	6.497 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.035	45967	8.030 ng/ml
14) Aroclor 1232 (2)	6.390	3238	0.931 ng/ml
15) Aroclor 1232 (3)	6.888	2764	0.427 ng/ml
16) Aroclor 1232 (4)	7.092	1510	0.632 ng/ml
17) Aroclor 1232 (5)	7.138	1619	0.593 ng/ml
18) Aroclor 1232 (6)	7.265	1469	0.495 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.390	3238	0.494 ng/ml
21) Aroclor 1242 (2)	6.888	2764	0.234 ng/ml
22) Aroclor 1242 (3)	7.016	1729	0.327 ng/ml
23) Aroclor 1242 (4)	7.092	1510	0.302 ng/ml
24) Aroclor 1242 (5)	7.138	1619	0.278 ng/ml
25) Aroclor 1242 (6)	7.265	1469	0.237 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.857	2238	0.300 ng/ml
28) Aroclor 1248 (2)	7.092	1510	0.162 ng/ml
29) Aroclor 1248 (3)	7.138	1619	0.185 ng/ml
30) Aroclor 1248 (4)	7.265	1469	0.140 ng/ml
31) Aroclor 1248 (5)	7.625	1039	0.080 ng/ml
32) Aroclor 1248 (6)	7.783	1974	0.167 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.604	836	0.065 ng/ml
35) Aroclor 1254 (2)	7.789	1968	0.097 ng/ml
36) Aroclor 1254 (3)	8.095	3896	0.182 ng/ml
37) Aroclor 1254 (4)	8.335	1942	0.118 ng/ml
38) Aroclor 1254 (5)	8.688	2123	0.135 ng/ml
39) Aroclor 1254 (6)	8.906	3300	0.675 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.225	2620	0.166 ng/ml
42) Aroclor 1260 (2)	8.432	4644	0.237 ng/ml
43) Aroclor 1260 (3)	8.688	2123	0.105 ng/ml
44) Aroclor 1260 (4)	9.152	2150	0.069 ng/ml
45) Aroclor 1260 (5)	9.423	4087	0.228 ng/ml
46) Aroclor 1260 (6)	10.010	1826	0.265 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9L26012\
 Data File : ECD2R035.D
 Signal(s) : ECD2B.CH
 Acq On : 26 Dec 2019 17:47
 Operator : MJB / KAK
 Sample : 9L26012-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Dec 27 08:36:26 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

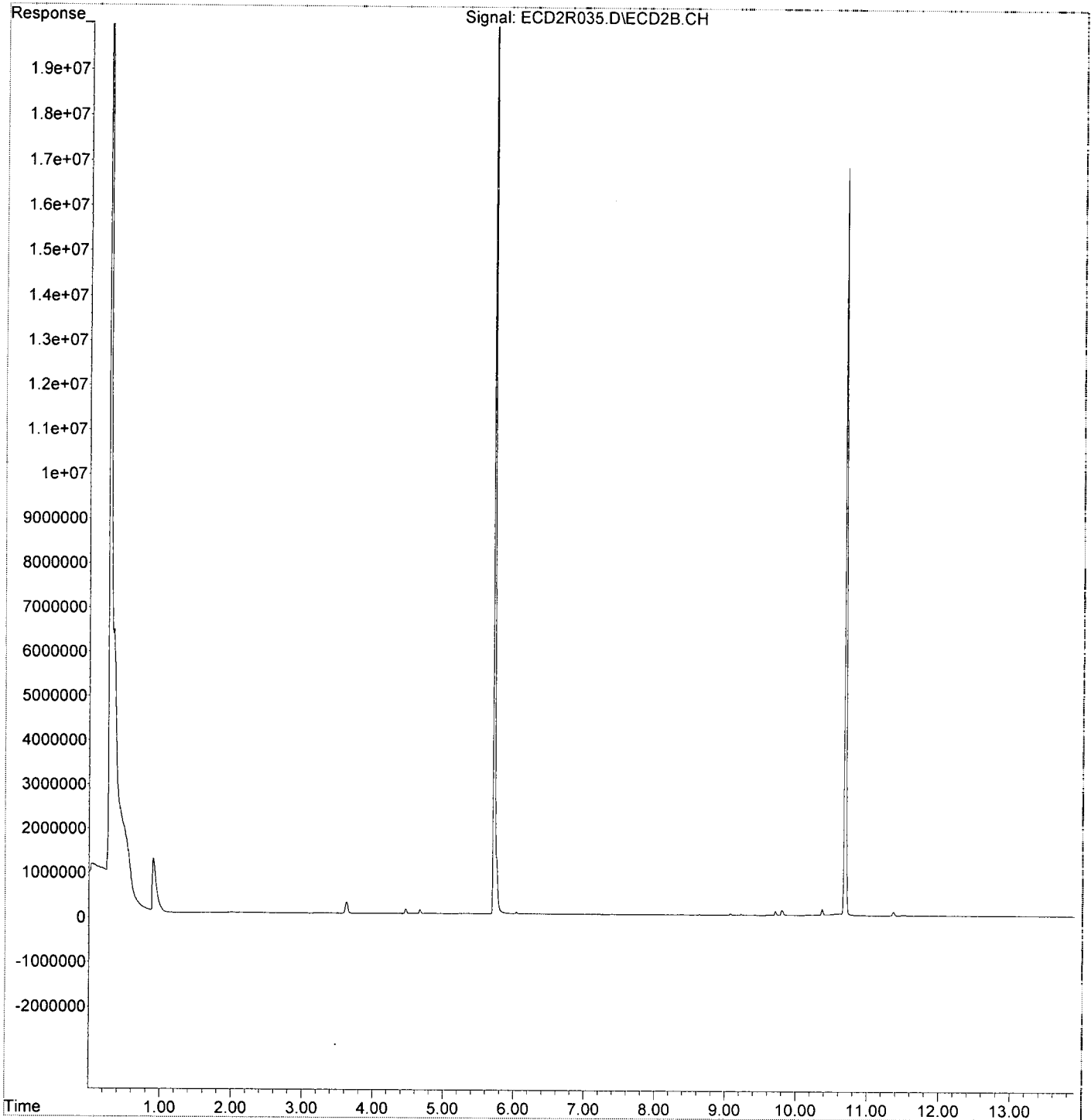
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.432	4644	0.307 ng/ml
49) Aroclor 1262 (2)	8.734	1575	0.074 ng/ml
50) Aroclor 1262 (3)	8.906	3300	0.189 ng/ml
51) Aroclor 1262 (4)	9.152	2150	0.060 ng/ml
52) Aroclor 1262 (5)	9.423	4087	0.186 ng/ml
53) Aroclor 1262 (6)	10.010	1826	0.188 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.961	2102	0.225 ng/ml
56) Aroclor 1268 (2)	9.423	4087	0.104 ng/ml
57) Aroclor 1268 (3)	9.508	280	0.009 ng/ml
58) Aroclor 1268 (4)	9.711	99097	3.659 ng/ml
59) Aroclor 1268 (5)	10.010	1826	0.172 ng/ml
60) Aroclor 1268 (6)	10.368	134754	1.834 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L26012\
Data File : ECD2R035.D
Signal(s) : ECD2B.CH
Acq On : 26 Dec 2019 17:47
Operator : MJB / KAK
Sample : 9L26012-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Dec 27 08:36:26 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Batch 0010092
Sequence 0A15024 (A9J0861-32,33,34,36)



Apex Laboratories
PREPARATION BENCH SHEET

JAN 23 2020


BATCH #: 0010092 (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
	0010092-BLK1	QC	01/06/20 07:09	31	2				100					
	0010092-BS1	QC	01/06/20 07:09	30	2	A20A036		100	100					
	A9J0718-19	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.42	2				100	PDI-097SC-B-06-08-191017	+1262,1268			
	A9J0861-12	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.49	2				100	PDI-034SC-B-00-02-191022	+1262,1268			
	A9J0861-13	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.15	2				100	PDI-034SC-B-02-04-191022	+1262,1268			
	A9J0861-14	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.17	2				100	PDI-034SC-B-04-06-191022	+1262,1268			
	A9J0861-31	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.3	2				100	PDI-083SC-B-00-02-191022	+1262,1268			
	A9J0861-32	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.08	2				100	PDI-083SC-B-02-04-191022	+1262,1268			
	A9J0861-33	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.36	2				100	PDI-083SC-B-04-06-191022	+1262,1268			
	A9J0861-34	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.6	2				100	PDI-083SC-B-06-08-191022	+1262,1268			
	A9J0861-35	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.51	2				100	PDI-099SC-B-00-02-191022	+1262,1268			
	A9J0861-35RE1	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.51	2				100	PDI-099SC-B-00-02-191022	+1262,1268			
	A9J0861-36	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.11	2				100	PDI-099SC-B-02-04-191022	+1262,1268			
	A9J0861-37	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.74	2				100	PDI-099SC-B-04-06-191022	+1262,1268			
	A9J0861-37RE1	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.74	2				100	PDI-099SC-B-04-06-191022	+1262,1268			
	A9J0861-38	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.44	2				100	PDI-099SC-B-06-08-191022	+1262,1268			
	A9J0903-14	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.23	2				100	PDI-057SC-B-00-02-191023	+1262,1268			
	A9J0903-15	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.43	2				100	PDI-057SC-B-02-04-191023	+1262,1268			
	A9J0903-16	A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.21	2				100	PDI-057SC-B-04-06-191023	+1262,1268			

Prepared By: _____ Date: _____


 Reviewed By: _____ Date: 1/23/20

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010092 (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
	A9J0903-17	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.56	2				100	PDI-057SC-B-06-08-191023	+1262,1268			
	A9J0903-31	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.67	2				100	PDI-062SC-B-00-02-191023	+1262,1268			
	A9J0903-32	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.12	2				100	PDI-062SC-B-02-04-191023	+1262,1268			
	A9J0903-33	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.22	2				100	PDI-062SC-B-04-06-191023	+1262,1268			
	A9J0903-34	B 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.59	2				100	PDI-062SC-B-06-08-191023	MS/MSD, +1262,1268			
	0010092-MSI	QC	01/06/20 07:09	30.76	2	A20A036	A9J0903-34	100	100					
	0010092-MSDI	QC	01/06/20 07:09	30.72	2	A20A036	A9J0903-34	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	A20A036	07/03/20	8082 PCB Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisil Lot 817211-CM						
A19G279	01/18/22	Sulfuric Acid						
A19H411	08/31/21	n-Hexane Lot# 192712						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Method 3546 digestion time and temperture achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010092 (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
	0010092-BLK1	QC	01/06/20 07:09	30.31	2				100					
	0010092-BS1	QC	01/06/20 07:09	30	2	A20A036		100	100					
	A9J0718-19	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.42	2				100	PDI-097SC-B-06-08-191017	+1262,1268 mud	☆		
	A9J0861-12	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.49	2				100	PDI-034SC-B-00-02-191022	+1262,1268 mud, color	☆	#	
	A9J0861-13	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.15	2				100	PDI-034SC-B-02-04-191022	+1262,1268 sand	☆	#	
	A9J0861-14	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.17	2				100	PDI-034SC-B-04-06-191022	+1262,1268 sand	☆	#	
	A9J0861-31	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.30	2				100	PDI-083SC-B-00-02-191022	+1262,1268 mud, color	☆	#	
	A9J0861-32	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.08	2				100	PDI-083SC-B-02-04-191022	+1262,1268 mud	☆	#	
	A9J0861-33	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.36	2				100	PDI-083SC-B-04-06-191022	+1262,1268 mud	☆	#	
	A9J0861-34	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.60	2				100	PDI-083SC-B-06-08-191022	+1262,1268 mud	☆		
	A9J0861-35	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.51	2				100	PDI-099SC-B-00-02-191022	+1262,1268 mud	☆		
	A9J0861-36	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.11	2				100	PDI-099SC-B-02-04-191022	+1262,1268 mud	☆	#	
	A9J0861-37	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.74	2				100	PDI-099SC-B-04-06-191022	+1262,1268 mud	☆	#	
	A9J0861-38	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.44	2				100	PDI-099SC-B-06-08-191022	+1262,1268 mud	☆	#	
	A9J0903-14	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.23	2				100	PDI-057SC-B-00-02-191023	+1262,1268 mud	☆	#	
	A9J0903-15	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.43	2				100	PDI-057SC-B-02-04-191023	+1262,1268 mud	☆	#	
	A9J0903-16	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.21	2				100	PDI-057SC-B-04-06-191023	+1262,1268 mud	☆	#	
	A9J0903-17	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.56	2				100	PDI-057SC-B-06-08-191023	+1262,1268 mud	☆		
	A9J0903-31	8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.67	2				100	PDI-062SC-B-00-02-191023	+1262,1268 mud	☆		

Prepared By: WAG Date: 1/6/20
ADJ 1/6/20

Reviewed By: CAS Date: 01/06/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0010092 (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	
40	A9J0903-32	B A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.12	2				100	PDI-062SC-B-02-04-191023	+1262,1268 mud	*			
2	A9J0903-33	B A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.22	2				100	PDI-062SC-B-04-06-191023	+1262,1268 mud	*			
4	A9J0903-34	B A 8082 PCBs - Low Level (30g/2mL)	01/06/20 07:09	30.59	2				100	PDI-062SC-B-06-08-191023	MS/MSD, +1262,1268 mud	*			
40	0010092-MS1	QC	01/06/20 07:09	30.76	2	A20A036	A9J0903-34	100	100		mud	*			
40	0010092-MSD1	QC	01/06/20 07:09	30.72	2	A20A036	A9J0903-34	100	100		mud	*			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A18K311	12/31/20	Glass Wool
A19C104	09/03/23	Florisol Lot 817211-CM
A19G279	01/18/20	Sulfuric Acid
A19H411	08/31/21	n-Hexane Lot# 192712
A19I211	05/07/22	Copper, Granular Lot# J260003
A19I263	03/18/20	DCM CHEM PROD. 194934
A19L136	06/06/20	Sodium Sulfate Lot # 194950

Analyte Spike(s)

Std ID	Exp. Date	Description
A20A036	07/03/20	8082 PCB Matrix Spike

JAG

Surrogate(s)

Std ID	Exp. Date	Description
A19L272	06/20/20	8082 PCB Surrogate Spike

JAG

Method 3546 digestion time and temperature achieved.

Initial: JAG

Witness: JJO 1/6/20

p=partial dryout on vessel #2
mud itolzo

* = Heavy staining on turbidap tube during solvent exchange.
JJO 1/6/20

= precipitate formed during solvent exchange. JJO 1/6/20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A15024**

Instrument: **DUALECD2F**

Date: **01/15/20 07:16**

Calibration: **A9L0407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A15024-CCV1	Sediment	QC	QC				
2	0A15024-CCB1	Sediment	QC	QC				A19L338
3	A9J0718-17	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		A19L339
4	0A15024-IBL1	Sediment	QC	QC				
5	A9J0718-18	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		
6	0A15024-IBL2	Sediment	QC	QC				
7	0010039-MS1	Sediment	QC	QC				
8	0A15024-IBL3	Sediment	QC	QC				
9	0010039-MSD1	Sediment	QC	QC				
10	0A15024-IBL4	Sediment	QC	QC				
11	A9J0716-43	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		
12	0A15024-IBL5	Sediment	QC	QC				
13	A9J0716-44	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		
14	0A15024-IBL6	Sediment	QC	QC				
15	0A15024-CCV2	Sediment	QC	QC				A19L338
16	0A15024-CCB2	Sediment	QC	QC				A19L339
17	A9J0861-32	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
18	0A15024-IBL7	Sediment	QC	QC				
19	A9J0861-33	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
20	0A15024-IBL8	Sediment	QC	QC				
21	A9J0861-34	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
22	0A15024-IBL9	Sediment	QC	QC				
23	A9J0861-35	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
24	0A15024-IBLA	Sediment	QC	QC				
25	A9J0861-36	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
26	0A15024-IBLB	Sediment	QC	QC				
27	0A15024-CCV3	Sediment	QC	QC				A19L338
28	0A15024-CCB3	Sediment	QC	QC				A19L339
29	0A15024-IBLC	Sediment	QC	QC				

Data Entered By: 1/20/20

Comments: *Complete*

Data Reviewed By: 1/20/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A15024**

Instrument: **DUALECD2F**

Date: **01/15/20 07:16**

Calibration: **A9L0407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A15024-CCV1	Sediment	QC	QC				
2	0A15024-CCB1	Sediment	QC	QC				A19L338
3	A9J0718-17	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		A19L339
4	0A15024-IBL1	Sediment	QC	QC				
5	A9J0718-18	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		
6	0A15024-IBL2	Sediment	QC	QC				
7	0010039-MS1	Sediment	QC	QC			0010039	
8	0A15024-IBL3	Sediment	QC	QC				
9	0010039-MSD1	Sediment	QC	QC			0010039	
10	0A15024-IBL4	Sediment	QC	QC				
11	A9J0716-43	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		
12	0A15024-IBL5	Sediment	QC	QC				
13	A9J0716-44	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/09/20	0010039		
14	0A15024-IBL6	Sediment	QC	QC				
15	0A15024-CCV2	Sediment	QC	QC				A19L338
16	0A15024-CCB2	Sediment	QC	QC				A19L339

Data Entered By: [Signature] 1/17/20

Comments: *Partial*

Data Reviewed By: [Signature] 1/17/20

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.

0A15024-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	502.92
1016 (2)	553.35
1016 (3)	527.75
1016 (4)	527.94
1016 (5)	533.63
1016 (6)	533.45
Average:	529.84

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	559.02
1260 (2)	545.59
1260 (3)	531.21
1260 (4)	556.12
1260 (5)	540.28
1260 (6)	500.98
Average:	538.87

0010039-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	900.18
1016 (2)	1,116.34
1016 (3)	897.94
1016 (4)	936.57
1016 (5)	974.14
1016 (6)	887.86
Average:	952.17

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,144.24
1260 (2)	1,259.97
1260 (3)	1,087.74
1260 (4)	1,282.46
1260 (5)	1,204.94
1260 (6)	1,157.46
Average:	1,189.47

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.

0010039-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	1,029.23
1016 (2)	1,282.64
1016 (3)	1,063.36
1016 (4)	1,031.67
1016 (5)	1,106.40
1016 (6)	1,095.53
Average:	1,101.47

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,264.96
1260 (2)	1,382.78
1260 (3)	1,231.11
1260 (4)	1,387.13
1260 (5)	1,346.30
1260 (6)	1,205.42
Average:	1,302.95

0A15024-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	486.91
1016 (2)	531.16
1016 (3)	497.70
1016 (4)	514.21
1016 (5)	514.56
1016 (6)	493.14
Average:	506.28

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	428.41
1260 (2)	457.50
1260 (3)	472.85
1260 (4)	487.71
1260 (5)	475.34
1260 (6)	459.39
Average:	463.53

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.

0A15024-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	512.75
1016 (2)	571.61
1016 (3)	543.03
1016 (4)	534.59
1016 (5)	537.87
1016 (6)	551.34
Average:	541.87

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	527.93
1260 (2)	546.80
1260 (3)	519.15
1260 (4)	531.94
1260 (5)	547.70
1260 (6)	483.49
Average:	526.17

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A15024\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 7:42
 Operator : MJB / KAK
 Sample : 0A15024-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:46:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/17/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.814	18132577	272.311	ng/ml
62) S DCBP (S)	9.564	29656224	265.558	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.726	1879891	502.919	ng/ml
3) Aroclor 1016 (2)	6.139	3980765	553.352	ng/ml
4) Aroclor 1016 (3)	6.221	2096697	527.746	ng/ml
5) Aroclor 1016 (4)	6.378	1888618	527.937	ng/ml
6) Aroclor 1016 (5)	6.598	2215348	533.628	ng/ml
7) Aroclor 1016 (6)	6.725	1564728	533.449	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.167	181698	167.861	ng/ml
10) Aroclor 1221 (2)	5.285	198434	276.537	ng/ml
11) Aroclor 1221 (3)	5.365	872546	372.865	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.365	872546	491.251	ng/ml
14) Aroclor 1232 (2)	6.139	3980765	1431.836	ng/ml
15) Aroclor 1232 (3)	6.221	2096697	1429.299	ng/ml
16) Aroclor 1232 (4)	6.378	1888618	1657.606	ng/ml
17) Aroclor 1232 (5)	6.598	2215348	1542.744	ng/ml
18) Aroclor 1232 (6)	6.725	1564728	1305.985	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.726	1879891	707.784	ng/ml
21) Aroclor 1242 (2)	6.139	3980765	767.438	ng/ml
22) Aroclor 1242 (3)	6.221	2096697	743.465	ng/ml
23) Aroclor 1242 (4)	6.378	1888618	825.019	ng/ml
24) Aroclor 1242 (5)	6.598	2215348	742.233	ng/ml
25) Aroclor 1242 (6)	6.725	1564728	623.591	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.139	3980765	1169.680	ng/ml
28) Aroclor 1248 (2)	6.378	1888618	418.279	ng/ml
29) Aroclor 1248 (3)	6.598	2215348	424.489	ng/ml
30) Aroclor 1248 (4)	6.892	431560	74.341	ng/ml
31) Aroclor 1248 (5)	6.924	1506403	244.574	ng/ml
32) Aroclor 1248 (6)	7.411	3365445	984.792	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.924	1506403	251.146	ng/ml
35) Aroclor 1254 (2)	7.035	1606485	220.442	ng/ml
36) Aroclor 1254 (3)	7.411	3365445	300.219	ng/ml
37) Aroclor 1254 (4)	7.571	458244	64.270	ng/ml
38) Aroclor 1254 (5)	7.950	4335270	566.037	ng/ml
39) Aroclor 1254 (6)	8.241	464550	186.276	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.523	4655438	559.024	ng/ml
42) Aroclor 1260 (2)	7.657	5566356	545.593	ng/ml
43) Aroclor 1260 (3)	8.212	4178052	531.210	ng/ml
44) Aroclor 1260 (4)	8.382	10354160	556.123	ng/ml
45) Aroclor 1260 (5)	8.680	6535156	540.275	ng/ml
46) Aroclor 1260 (6)	9.070	2562319	500.981	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 7:42
 Operator : MJB / KAK
 Sample : 0A15024-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:46:02 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

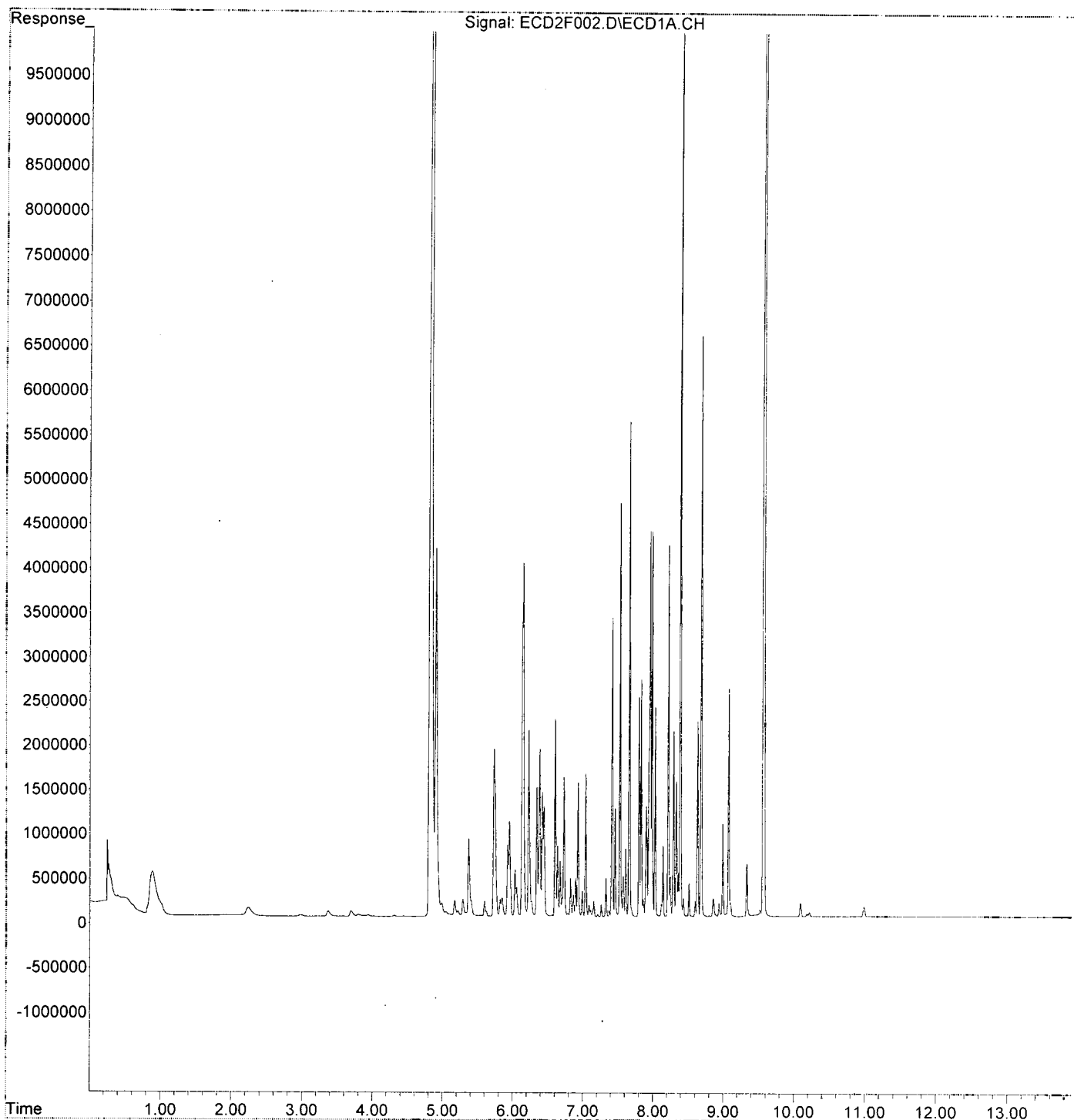
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.657	5566356	691.781	ng/ml
49) Aroclor 1262 (2)	7.980	4324287	385.235	ng/ml
50) Aroclor 1262 (3)	8.212	4178052	430.508	ng/ml
51) Aroclor 1262 (4)	8.382	10354160	501.167	ng/ml
52) Aroclor 1262 (5)	8.680	6535156	499.539	ng/ml
53) Aroclor 1262 (6)	9.070	2562319	383.774	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.212	4178052	818.546	ng/ml
56) Aroclor 1268 (2)	8.629	2202671	89.811	ng/ml
57) Aroclor 1268 (3)	8.680	6535156	320.128	ng/ml
58) Aroclor 1268 (4)	8.854	202927	10.595	ng/ml
59) Aroclor 1268 (5)	9.070	2562319	330.633	ng/ml
60) Aroclor 1268 (6)	9.329	592588	11.334	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 7:42
Operator : MJB / KAK
Sample : 0A15024-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:46:02 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 8:00
 Operator : MJB / KAK
 Sample : 0A15024-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:46:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/17/20
[Handwritten Signature]

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.815	6787499	101.933 ng/ml
62) S DCBP (S)	9.564	11413523	102.203 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.727	3768	1.008 ng/ml
3) Aroclor 1016 (2)	6.155	8180	1.137 ng/ml
4) Aroclor 1016 (3)	6.235	5099	1.283 ng/ml
5) Aroclor 1016 (4)	6.384	2001	0.559 ng/ml
6) Aroclor 1016 (5)	6.604	2353	0.567 ng/ml
7) Aroclor 1016 (6)	6.729	1779	0.606 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.170	14043	12.974 ng/ml
10) Aroclor 1221 (2)	5.260	14445	20.131 ng/ml
11) Aroclor 1221 (3)	5.376	11996	5.126 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.376	11996	6.754 ng/ml
14) Aroclor 1232 (2)	6.155	8180	2.942 ng/ml
15) Aroclor 1232 (3)	6.235	5099	3.476 ng/ml
16) Aroclor 1232 (4)	6.384	2001	1.756 ng/ml
17) Aroclor 1232 (5)	6.604	2353	1.639 ng/ml
18) Aroclor 1232 (6)	6.729	1779	1.485 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.727	3768	1.419 ng/ml
21) Aroclor 1242 (2)	6.155	8180	1.577 ng/ml
22) Aroclor 1242 (3)	6.235	5099	1.808 ng/ml
23) Aroclor 1242 (4)	6.384	2001	0.874 ng/ml
24) Aroclor 1242 (5)	6.604	2353	0.788 ng/ml
25) Aroclor 1242 (6)	6.729	1779	0.709 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.155	8180	2.404 ng/ml
28) Aroclor 1248 (2)	6.384	2001	0.443 ng/ml
29) Aroclor 1248 (3)	6.604	2353	0.451 ng/ml
30) Aroclor 1248 (4)	6.890	967	0.167 ng/ml
31) Aroclor 1248 (5)	6.932	1331	0.216 ng/ml
32) Aroclor 1248 (6)	7.408	2451	0.717 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.932	1331	0.222 ng/ml
35) Aroclor 1254 (2)	7.036	1329	0.182 ng/ml
36) Aroclor 1254 (3)	7.408	2451	0.219 ng/ml
37) Aroclor 1254 (4)	7.573	3539	0.496 ng/ml
38) Aroclor 1254 (5)	7.955	4650	0.607 ng/ml
39) Aroclor 1254 (6)	8.242	538	0.216 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.523	4130	0.496 ng/ml
42) Aroclor 1260 (2)	7.657	5806	0.569 ng/ml
43) Aroclor 1260 (3)	8.210	1153	0.147 ng/ml
44) Aroclor 1260 (4)	8.381	9331	0.501 ng/ml
45) Aroclor 1260 (5)	8.680	3410	0.282 ng/ml
46) Aroclor 1260 (6)	9.069	3939	0.770 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 8:00
 Operator : MJB / KAK
 Sample : 0A15024-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:46:24 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

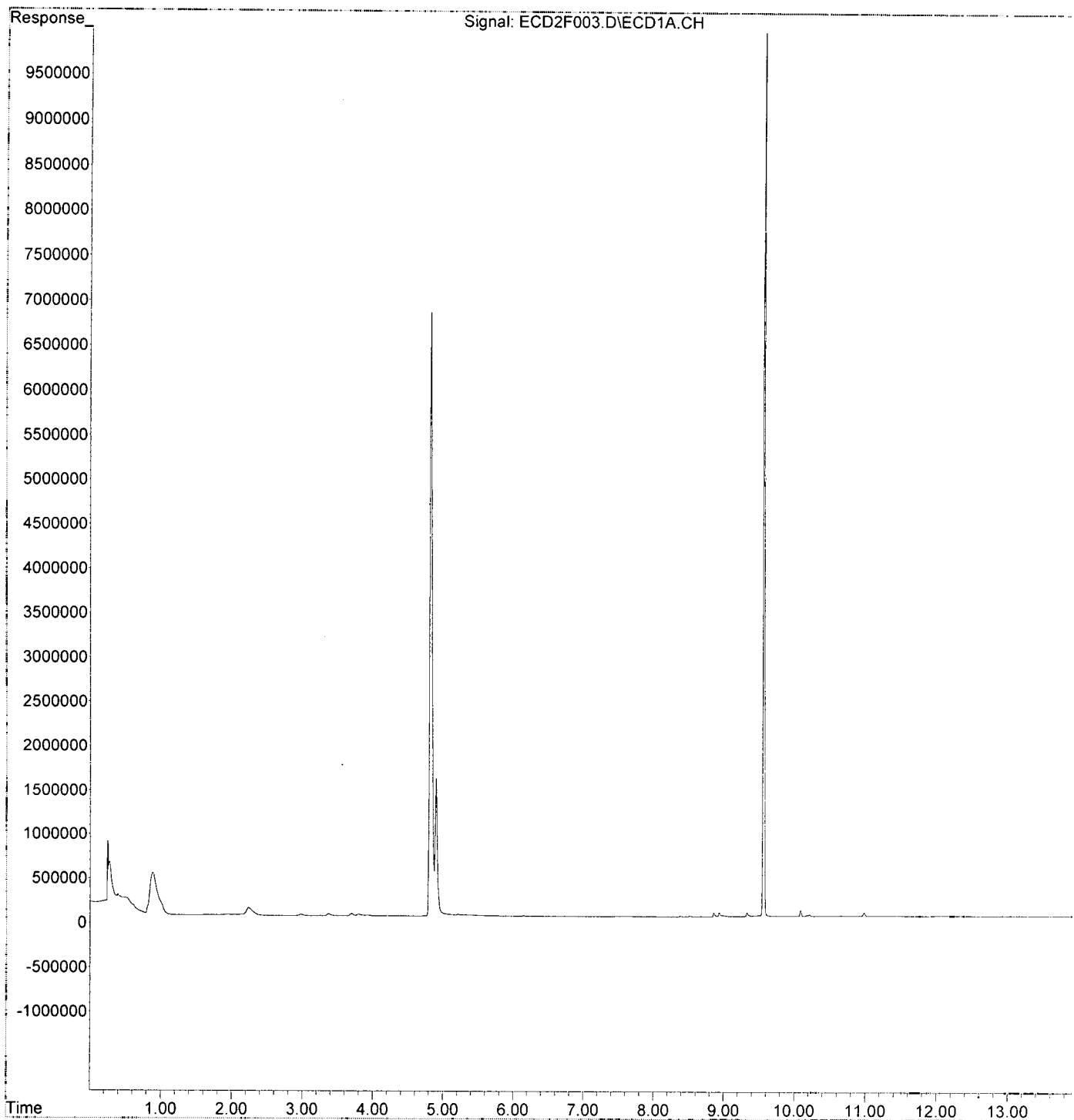
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	5806	0.722 ng/ml
49) Aroclor 1262 (2)	7.982	2563	0.228 ng/ml
50) Aroclor 1262 (3)	8.210	1153	0.119 ng/ml
51) Aroclor 1262 (4)	8.381	9331	0.452 ng/ml
52) Aroclor 1262 (5)	8.680	3410	0.261 ng/ml
53) Aroclor 1262 (6)	9.069	3939	0.590 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.210	1153	0.226 ng/ml
56) Aroclor 1268 (2)	8.630	1006	0.041 ng/ml
57) Aroclor 1268 (3)	8.680	3410	0.167 ng/ml
58) Aroclor 1268 (4)	8.860	45199	2.360 ng/ml
59) Aroclor 1268 (5)	9.069	3939	0.508 ng/ml
60) Aroclor 1268 (6)	9.331	43362	0.829 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 8:00
Operator : MJB / KAK
Sample : 0A15024-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:46:24 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 10:07
 Operator : MJB / KAK
 Sample : 0010039-MSD1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:47:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/17/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.805	18771652	281.908	ng/ml
62) S DCBP (S)	9.566	24797997	222.055	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.719	3847203	1029.226	ng/ml
3) Aroclor 1016 (2)	6.131	9227160	1282.635	ng/ml
4) Aroclor 1016 (3)	6.214	4224662	1063.363	ng/ml
5) Aroclor 1016 (4)	6.372	3690650	1031.670	ng/ml
6) Aroclor 1016 (5)	6.594	4593205	1106.400	ng/ml
7) Aroclor 1016 (6)	6.719	3213428	1095.526	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.157	342087	316.035	ng/ml
10) Aroclor 1221 (2)	5.276	377989	526.764	ng/ml
11) Aroclor 1221 (3)	5.355	2109986	901.660	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.355	2109986	1187.941	ng/ml
14) Aroclor 1232 (2)	6.131	9227160	3318.904	ng/ml
15) Aroclor 1232 (3)	6.214	4224662	2879.913	ng/ml
16) Aroclor 1232 (4)	6.372	3690650	3239.217	ng/ml
17) Aroclor 1232 (5)	6.594	4593205	3198.656	ng/ml
18) Aroclor 1232 (6)	6.719	3213428	2682.055	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.719	3847203	1448.481	ng/ml
21) Aroclor 1242 (2)	6.131	9227160	1778.872	ng/ml
22) Aroclor 1242 (3)	6.214	4224662	1498.017	ng/ml
23) Aroclor 1242 (4)	6.372	3690650	1612.214	ng/ml
24) Aroclor 1242 (5)	6.594	4593205	1538.914	ng/ml
25) Aroclor 1242 (6)	6.719	3213428	1280.647	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.131	9227160	2711.243	ng/ml
28) Aroclor 1248 (2)	6.372	3690650	817.381	ng/ml
29) Aroclor 1248 (3)	6.594	4593205	880.117	ng/ml
30) Aroclor 1248 (4)	6.887	921334	158.710	ng/ml
31) Aroclor 1248 (5)	6.921	3512322	570.246	ng/ml
32) Aroclor 1248 (6)	7.408	7579568	2217.923	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.921	3512322	585.571	ng/ml
35) Aroclor 1254 (2)	7.032	3825933	524.995	ng/ml
36) Aroclor 1254 (3)	7.408	7579568	676.145	ng/ml
37) Aroclor 1254 (4)	7.570	1550131	217.409	ng/ml
38) Aroclor 1254 (5)	7.948	10671830	1393.373	ng/ml
39) Aroclor 1254 (6)	8.239	1103815	442.608	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.522	10534325	1264.960	ng/ml
42) Aroclor 1260 (2)	7.656	14107644	1382.778	ng/ml
43) Aroclor 1260 (3)	8.211	9682894	1231.112	ng/ml
44) Aroclor 1260 (4)	8.383	25826320	1387.134	ng/ml
45) Aroclor 1260 (5)	8.681	16284826	1346.301	ng/ml
46) Aroclor 1260 (6)	9.073	6165224	1205.416	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 10:07
 Operator : MJB / KAK
 Sample : 0010039-MSD1
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:47:52 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

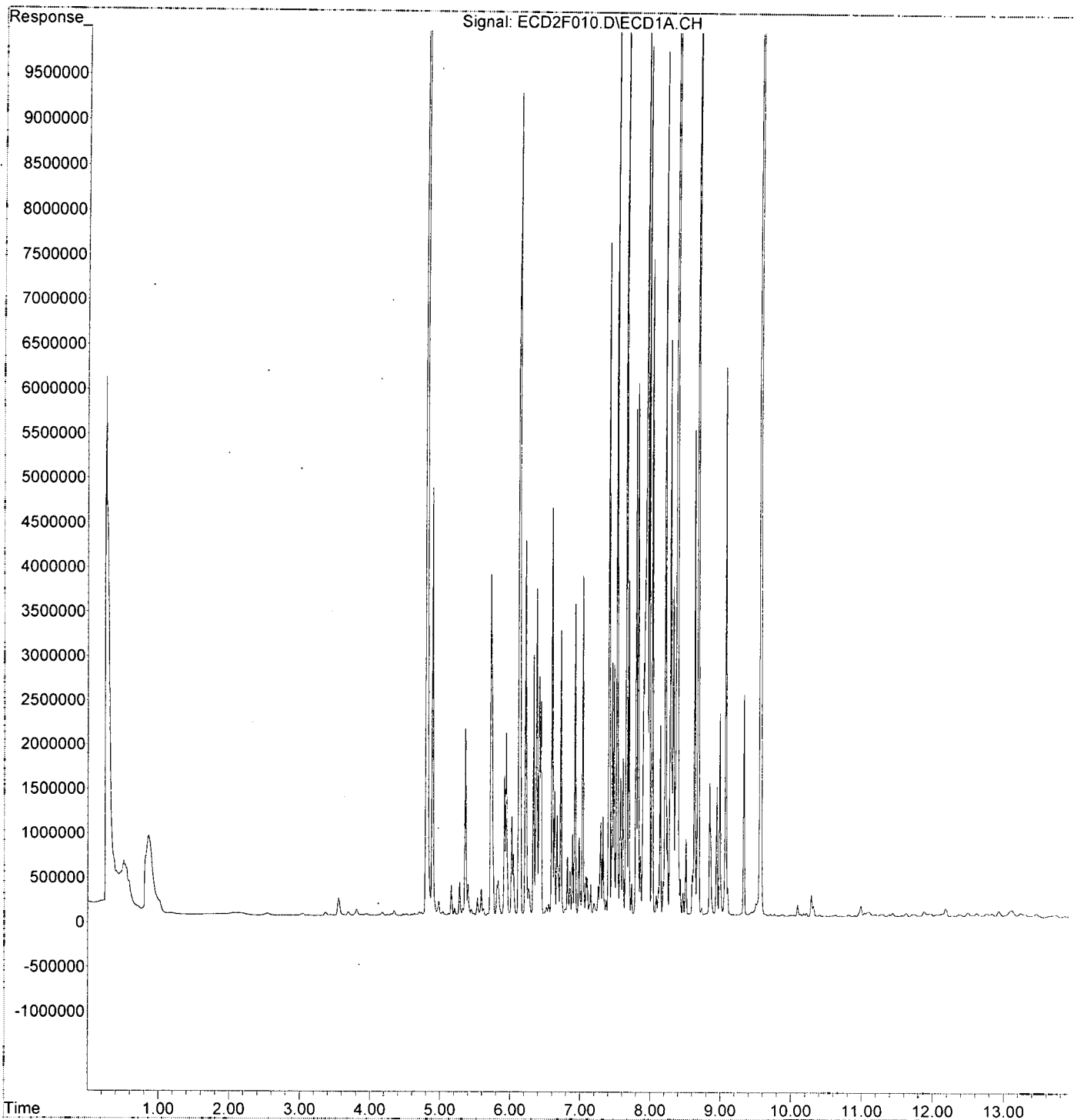
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.656	14107644	1753.284	ng/ml
49) Aroclor 1262 (2)	7.979	9757831	869.289	ng/ml
50) Aroclor 1262 (3)	8.211	9682894	997.729	ng/ml
51) Aroclor 1262 (4)	8.383	25826320	1250.058	ng/ml
52) Aroclor 1262 (5)	8.681	16284826	1244.792	ng/ml
53) Aroclor 1262 (6)	9.073	6165224	923.403	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.211	9682894	1897.031	ng/ml
56) Aroclor 1268 (2)	8.630	5469895	223.028	ng/ml
57) Aroclor 1268 (3)	8.681	16284826	797.721	ng/ml
58) Aroclor 1268 (4)	8.842	1490685	77.829	ng/ml
59) Aroclor 1268 (5)	9.073	6165224	795.540	ng/ml
60) Aroclor 1268 (6)	9.331	2490820	47.641	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 10:07
Operator : MJB / KAK
Sample : 0010039-MSD1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:47:52 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 11:53
 Operator : MJB / KAK
 Sample : 0A15024-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:48:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/17/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.812	19084145	286.601	ng/ml
62) S DCBP (S)	9.563	26942299	241.256	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.726	1820067	486.915	ng/ml
3) Aroclor 1016 (2)	6.137	3821119	531.160	ng/ml
4) Aroclor 1016 (3)	6.219	1977313	497.697	ng/ml
5) Aroclor 1016 (4)	6.375	1839510	514.209	ng/ml
6) Aroclor 1016 (5)	6.597	2136176	514.557	ng/ml
7) Aroclor 1016 (6)	6.723	1446481	493.136	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	193896	179.130	ng/ml
10) Aroclor 1221 (2)	5.283	201444	280.731	ng/ml
11) Aroclor 1221 (3)	5.364	859694	367.373	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	859694	484.015	ng/ml
14) Aroclor 1232 (2)	6.137	3821119	1374.413	ng/ml
15) Aroclor 1232 (3)	6.219	1977313	1347.916	ng/ml
16) Aroclor 1232 (4)	6.375	1839510	1614.504	ng/ml
17) Aroclor 1232 (5)	6.597	2136176	1487.609	ng/ml
18) Aroclor 1232 (6)	6.723	1446481	1207.291	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.726	1820067	685.260	ng/ml
21) Aroclor 1242 (2)	6.137	3821119	736.660	ng/ml
22) Aroclor 1242 (3)	6.219	1977313	701.132	ng/ml
23) Aroclor 1242 (4)	6.375	1839510	803.567	ng/ml
24) Aroclor 1242 (5)	6.597	2136176	715.707	ng/ml
25) Aroclor 1242 (6)	6.723	1446481	576.466	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.137	3821119	1122.771	ng/ml
28) Aroclor 1248 (2)	6.375	1839510	407.402	ng/ml
29) Aroclor 1248 (3)	6.597	2136176	409.319	ng/ml
30) Aroclor 1248 (4)	6.890	378621	65.222	ng/ml
31) Aroclor 1248 (5)	6.923	1333957	216.576	ng/ml
32) Aroclor 1248 (6)	7.409	2929305	857.169	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.923	1333957	222.396	ng/ml
35) Aroclor 1254 (2)	7.033	1457369	199.980	ng/ml
36) Aroclor 1254 (3)	7.409	2929305	261.312	ng/ml
37) Aroclor 1254 (4)	7.569	364718	51.152	ng/ml
38) Aroclor 1254 (5)	7.948	3840890	501.488	ng/ml
39) Aroclor 1254 (6)	8.240	393657	157.849	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.522	3567721	428.411	ng/ml
42) Aroclor 1260 (2)	7.655	4667565	457.497	ng/ml
43) Aroclor 1260 (3)	8.211	3719031	472.849	ng/ml
44) Aroclor 1260 (4)	8.381	9080328	487.705	ng/ml
45) Aroclor 1260 (5)	8.679	5749740	475.343	ng/ml
46) Aroclor 1260 (6)	9.069	2349600	459.390	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 11:53
 Operator : MJB / KAK
 Sample : 0A15024-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:48:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

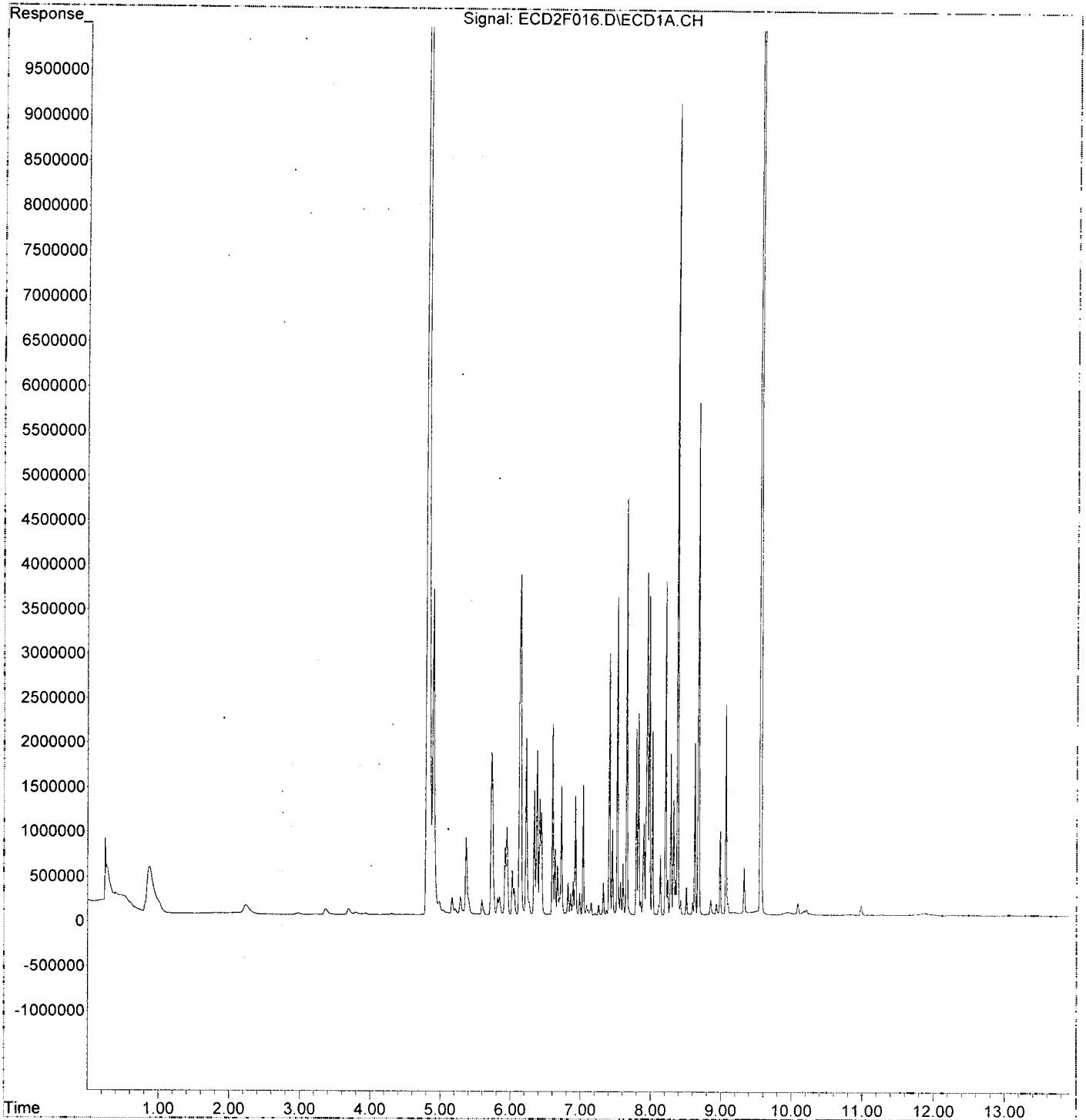
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.655	4667565	580.080 ng/ml
49) Aroclor 1262 (2)	7.979	3581492	319.062 ng/ml
50) Aroclor 1262 (3)	8.211	3719031	383.210 ng/ml
51) Aroclor 1262 (4)	8.381	9080328	439.510 ng/ml
52) Aroclor 1262 (5)	8.679	5749740	439.503 ng/ml
53) Aroclor 1262 (6)	9.069	2349600	351.914 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.211	3719031	728.617 ng/ml
56) Aroclor 1268 (2)	8.628	1919600	78.269 ng/ml
57) Aroclor 1268 (3)	8.679	5749740	281.654 ng/ml
58) Aroclor 1268 (4)	8.853	162521	8.485 ng/ml
59) Aroclor 1268 (5)	9.069	2349600	303.184 ng/ml
60) Aroclor 1268 (6)	9.327	540706	10.342 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 11:53
Operator : MJB / KAK
Sample : 0A15024-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:48:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 12:11
 Operator : MJB / KAK
 Sample : 0A15024-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:49:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/17/20

clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.813	6924296	103.988 ng/ml
62) S DCBP (S)	9.563	11182366	100.133 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.727	4303	1.151 ng/ml
3) Aroclor 1016 (2)	6.141	5280	0.734 ng/ml
4) Aroclor 1016 (3)	6.231	3975	1.001 ng/ml
5) Aroclor 1016 (4)	6.377	980	0.274 ng/ml
6) Aroclor 1016 (5)	6.601	1866	0.449 ng/ml
7) Aroclor 1016 (6)	6.729	1275	0.435 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.167	14071	13.000 ng/ml
10) Aroclor 1221 (2)	5.290	12938	18.031 ng/ml
11) Aroclor 1221 (3)	5.357	13284	5.677 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.357	13284	7.479 ng/ml
14) Aroclor 1232 (2)	6.141	5280	1.899 ng/ml
15) Aroclor 1232 (3)	6.231	3975	2.710 ng/ml
16) Aroclor 1232 (4)	6.377	980	0.860 ng/ml
17) Aroclor 1232 (5)	6.601	1866	1.300 ng/ml
18) Aroclor 1232 (6)	6.729	1275	1.064 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.727	4303	1.620 ng/ml
21) Aroclor 1242 (2)	6.141	5280	1.018 ng/ml
22) Aroclor 1242 (3)	6.231	3975	1.410 ng/ml
23) Aroclor 1242 (4)	6.377	980	0.428 ng/ml
24) Aroclor 1242 (5)	6.601	1866	0.625 ng/ml
25) Aroclor 1242 (6)	6.729	1275	0.508 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.141	5280	1.551 ng/ml
28) Aroclor 1248 (2)	6.377	980	0.217 ng/ml
29) Aroclor 1248 (3)	6.601	1866	0.358 ng/ml
30) Aroclor 1248 (4)	6.891	1649	0.284 ng/ml
31) Aroclor 1248 (5)	6.920	1421	0.231 ng/ml
32) Aroclor 1248 (6)	7.410	2480	0.726 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.920	1421	0.237 ng/ml
35) Aroclor 1254 (2)	7.034	1490	0.204 ng/ml
36) Aroclor 1254 (3)	7.410	2480	0.221 ng/ml
37) Aroclor 1254 (4)	7.571	3328	0.467 ng/ml
38) Aroclor 1254 (5)	7.956	1603	0.209 ng/ml
39) Aroclor 1254 (6)	8.245	2791	1.119 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.524	3812	0.458 ng/ml
42) Aroclor 1260 (2)	7.656	3207	0.314 ng/ml
43) Aroclor 1260 (3)	8.214	2372	0.302 ng/ml
44) Aroclor 1260 (4)	8.380	5565	0.299 ng/ml
45) Aroclor 1260 (5)	8.681	1579	0.131 ng/ml
46) Aroclor 1260 (6)	9.069	7759	1.517 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 12:11
 Operator : MJB / KAK
 Sample : 0A15024-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:49:19 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

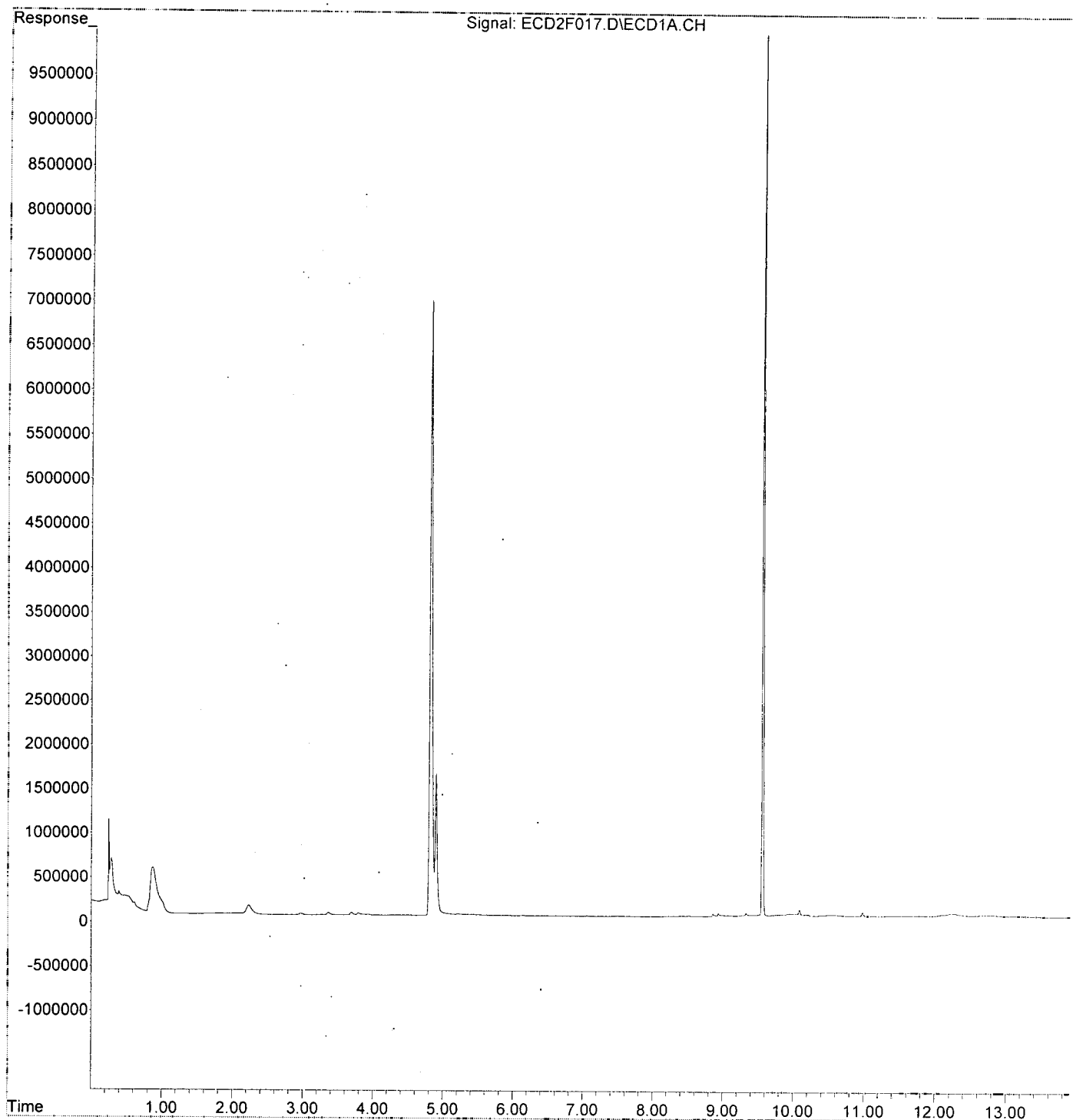
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.656	3207	0.399 ng/ml
49) Aroclor 1262 (2)	7.983	920	0.082 ng/ml
50) Aroclor 1262 (3)	8.214	2372	0.244 ng/ml
51) Aroclor 1262 (4)	8.380	5565	0.269 ng/ml
52) Aroclor 1262 (5)	8.681	1579	0.121 ng/ml
53) Aroclor 1262 (6)	9.069	7759	1.162 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.214	2372	0.465 ng/ml
56) Aroclor 1268 (2)	8.631	841	0.034 ng/ml
57) Aroclor 1268 (3)	8.681	1579	0.077 ng/ml
58) Aroclor 1268 (4)	8.860	29221	1.526 ng/ml
59) Aroclor 1268 (5)	9.069	7759	1.001 ng/ml
60) Aroclor 1268 (6)	9.329	33857	0.648 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 12:11
Operator : MJB / KAK
Sample : 0A15024-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:49:19 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 12:41
 Operator : MJB / KAK
 Sample : A9J0861-32
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:49:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/20/20
 1260

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.821	11755114	176.536 ng/ml
62) S DCBP (S)	9.577	17108197	153.196 ng/ml

Compound	R.T.	Response	Conc Units
Target Compounds			
2) Aroclor 1016 (1)	5.737	120091	32.127 ng/ml
3) Aroclor 1016 (2)	6.142	250375	34.804 ng/ml
4) Aroclor 1016 (3)	6.228	122593	30.857 ng/ml
5) Aroclor 1016 (4)	6.388	405002	113.213 ng/ml
6) Aroclor 1016 (5)	6.616	1268226	305.487 ng/ml
7) Aroclor 1016 (6)	6.730	389739	132.870 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.174	35249	32.565 ng/ml
10) Aroclor 1221 (2)	5.309	26527	36.968 ng/ml
11) Aroclor 1221 (3)	5.367	908157	388.082 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.367	908157	511.300 ng/ml
14) Aroclor 1232 (2)	6.142	250375	90.057 ng/ml
15) Aroclor 1232 (3)	6.228	122593	83.571 ng/ml
16) Aroclor 1232 (4)	6.388	405002	355.463 ng/ml
17) Aroclor 1232 (5)	6.616	1268226	883.179 ng/ml
18) Aroclor 1232 (6)	6.730	389739	325.292 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.737	120091	45.214 ng/ml
21) Aroclor 1242 (2)	6.142	250375	48.269 ng/ml
22) Aroclor 1242 (3)	6.228	122593	43.470 ng/ml
23) Aroclor 1242 (4)	6.388	405002	176.920 ng/ml
24) Aroclor 1242 (5)	6.616	1268226	424.908 ng/ml
25) Aroclor 1242 (6)	6.730	389739	155.323 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.142	250375	73.568 ng/ml
28) Aroclor 1248 (2)	6.388	405002	89.697 ng/ml
29) Aroclor 1248 (3)	6.616	1268226	243.008 ng/ml
30) Aroclor 1248 (4)	6.883	479198	82.547 ng/ml
31) Aroclor 1248 (5)	6.934	1128543	183.226 ng/ml
32) Aroclor 1248 (6)	7.415	1836666	537.443 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.934	1128543	188.149 ng/ml
35) Aroclor 1254 (2)	7.022	818191	112.272 ng/ml
36) Aroclor 1254 (3)	7.415	1836666	163.842 ng/ml
37) Aroclor 1254 (4)	7.579	1002955	140.666 ng/ml
38) Aroclor 1254 (5)	7.958	3000488	391.760 ng/ml
39) Aroclor 1254 (6)	8.248	381089	152.809 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.532	14699620	176.513 ng/ml
42) Aroclor 1260 (2)	7.668	30408690	298.054 ng/ml
43) Aroclor 1260 (3)	8.221	841672	107.013 ng/ml
44) Aroclor 1260 (4)	8.392	2255822	121.160 ng/ml
45) Aroclor 1260 (5)	8.689	1588328	131.310 ng/ml
46) Aroclor 1260 (6)	9.082	613739	119.997 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

R-02

~~131.199~~
 119.870
 1/20/20

Data Path : K:\DATA\0A15024\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 12:41
 Operator : MJB / KAK
 Sample : A9J0861-32
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:49:41 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

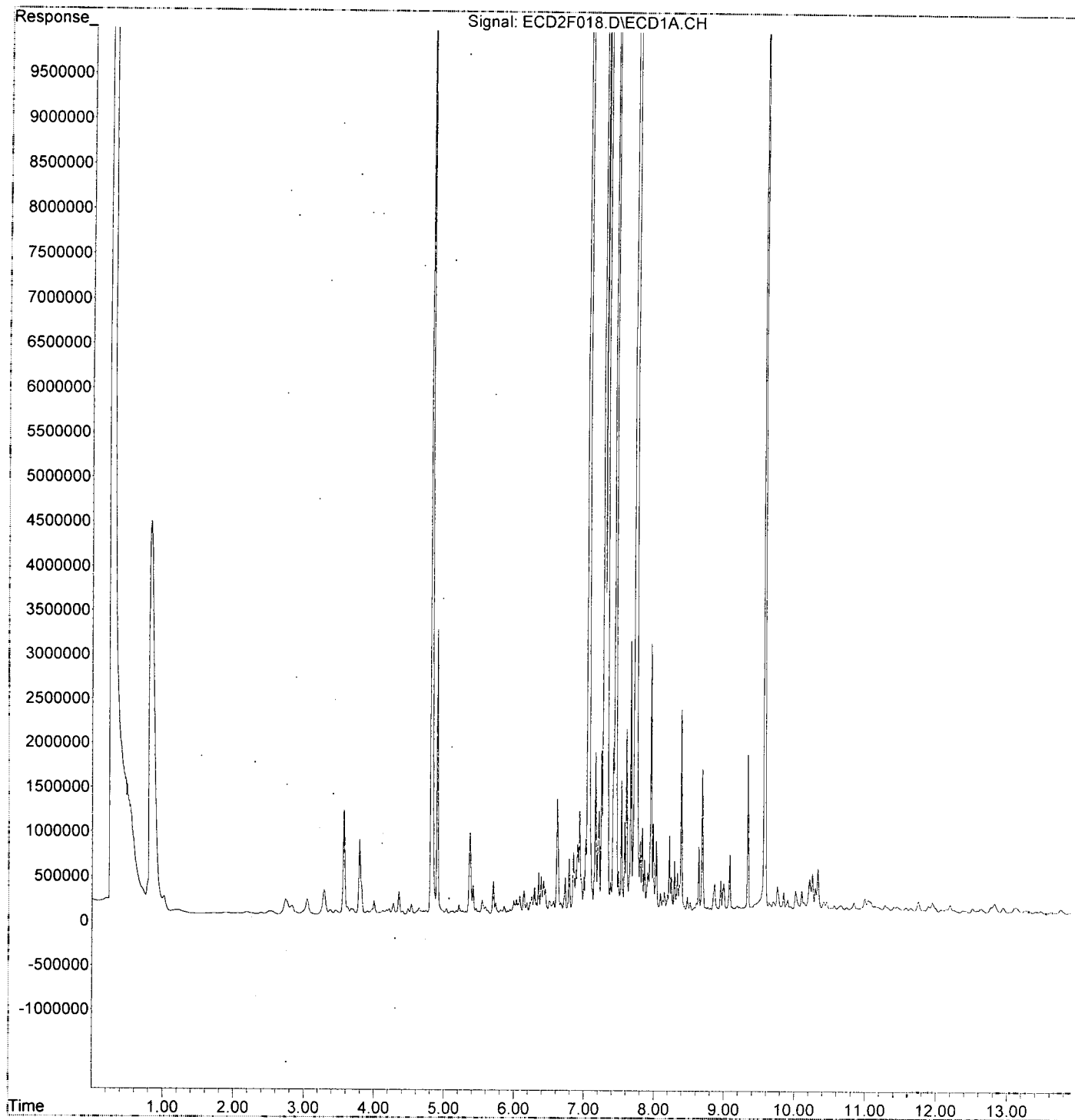
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.668	3040869	377.916	ng/ml
49)	Aroclor 1262 (2)	7.988	973849	86.757	ng/ml
50)	Aroclor 1262 (3)	8.221	841672	86.726	ng/ml
51)	Aroclor 1262 (4)	8.392	2255822	109.187	ng/ml
52)	Aroclor 1262 (5)	8.689	1588328	121.410	ng/ml
53)	Aroclor 1262 (6)	9.082	613739	91.923	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.221	841672	164.897	ng/ml
56)	Aroclor 1268 (2)	8.639	715046	29.155	ng/ml
57)	Aroclor 1268 (3)	8.689	1588328	77.805	ng/ml
58)	Aroclor 1268 (4)	8.866	299169	15.620	ng/ml
59)	Aroclor 1268 (5)	9.082	613739	79.195	ng/ml
60)	Aroclor 1268 (6)	9.340	1740241	33.285	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 12:41
Operator : MJB / KAK
Sample : A9J0861-32
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:49:41 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 13:17
 Operator : MJB / KAK
 Sample : A9J0861-33
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20
 1260

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.807	17090750	256.665 ng/ml
62) S DCBP (S)	9.568	21152830	189.414 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.724	134490	35.979 ng/ml
3) Aroclor 1016 (2)	6.133	138854	19.302 ng/ml
4) Aroclor 1016 (3)	6.217	116814	29.403 ng/ml
5) Aroclor 1016 (4)	6.375	462611	129.316 ng/ml
6) Aroclor 1016 (5)	6.604	653035	157.301 ng/ml
7) Aroclor 1016 (6)	6.721	238486	81.305 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.163	21320	19.696 ng/ml
10) Aroclor 1221 (2)	5.296	19785	27.573 ng/ml
11) Aroclor 1221 (3)	5.352	542167	231.684 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.352	542167	305.244 ng/ml
14) Aroclor 1232 (2)	6.133	138854	49.944 ng/ml
15) Aroclor 1232 (3)	6.217	116814	79.631 ng/ml
16) Aroclor 1232 (4)	6.375	462611	406.025 ng/ml
17) Aroclor 1232 (5)	6.604	653035	454.766 ng/ml
18) Aroclor 1232 (6)	6.721	238486	199.050 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.724	134490	50.636 ng/ml
21) Aroclor 1242 (2)	6.133	138854	26.769 ng/ml
22) Aroclor 1242 (3)	6.217	116814	41.421 ng/ml
23) Aroclor 1242 (4)	6.375	462611	202.086 ng/ml
24) Aroclor 1242 (5)	6.604	653035	218.794 ng/ml
25) Aroclor 1242 (6)	6.721	238486	95.044 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.133	138854	40.800 ng/ml
28) Aroclor 1248 (2)	6.375	462611	102.456 ng/ml
29) Aroclor 1248 (3)	6.604	653035	125.130 ng/ml
30) Aroclor 1248 (4)	6.902	847048	145.913 ng/ml
31) Aroclor 1248 (5)	6.923	1556462	252.701 ng/ml
32) Aroclor 1248 (6)	7.410	2747365	803.930 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.923	1556462	259.492 ng/ml
35) Aroclor 1254 (2)	7.059	60299014	8274.231 ng/ml
36) Aroclor 1254 (3)	7.410	2747365	245.082 ng/ml
37) Aroclor 1254 (4)	7.570	1103962	154.833 ng/ml
38) Aroclor 1254 (5)	7.950	5518491	720.525 ng/ml
39) Aroclor 1254 (6)	8.241	476227	190.957 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.523	34422770	413.348 ng/ml
42) Aroclor 1260 (2)	7.658	54746630	536.606 ng/ml
43) Aroclor 1260 (3)	8.213	1999378	254.207 ng/ml
44) Aroclor 1260 (4)	8.383	5510036	295.945 ng/ml
45) Aroclor 1260 (5)	8.682	3599202	297.554 ng/ml
46) Aroclor 1260 (6)	9.074	1126356	220.224 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

R-02

↑ MDL

R-02

266.983

Data Path : K:\DATA\0A15024\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 13:17
 Operator : MJB / KAK
 Sample : A9J0861-33
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:03 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

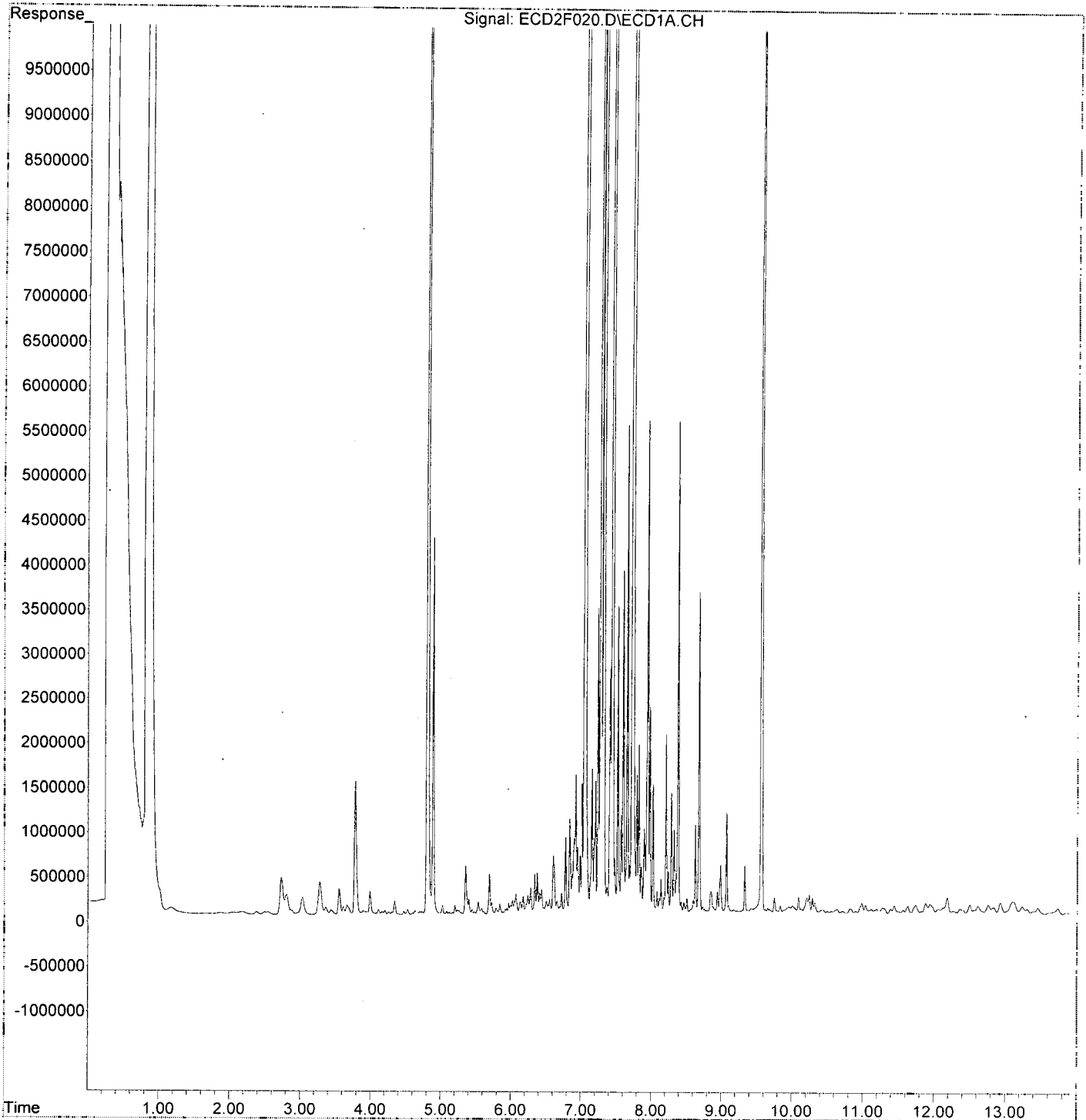
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.658	5474663	680.386 ng/ml
49) Aroclor 1262 (2)	7.980	2317383	206.447 ng/ml
50) Aroclor 1262 (3)	8.213	1999378	206.017 ng/ml
51) Aroclor 1262 (4)	8.383	5510036	266.699 ng/ml
52) Aroclor 1262 (5)	8.682	3599202	275.119 ng/ml
53) Aroclor 1262 (6)	9.074	1126356	168.701 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.213	1999378	391.710 ng/ml
56) Aroclor 1268 (2)	8.630	989627	40.351 ng/ml
57) Aroclor 1268 (3)	8.682	3599202	176.309 ng/ml
58) Aroclor 1268 (4)	8.848	241192	12.593 ng/ml
59) Aroclor 1268 (5)	9.074	1126356	145.341 ng/ml
60) Aroclor 1268 (6)	9.332	531955	10.174 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:17
Operator : MJB / KAK
Sample : A9J0861-33
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:03 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 13:52
 Operator : MJB / KAK
 Sample : A9J0861-34
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/20/20
 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.811	15138954	227.353	ng/ml
62) S DCBP (S)	9.570	17628330	157.854	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.726	76003	20.333	ng/ml
3) Aroclor 1016 (2)	6.132	113265	15.745	ng/ml
4) Aroclor 1016 (3)	6.231	151754	38.197	ng/mlm
5) Aroclor 1016 (4)	6.375	468324	130.913	ng/ml
6) Aroclor 1016 (5)	6.606	726849	175.082	ng/ml
7) Aroclor 1016 (6)	6.725	288628	98.399	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.165	34304	31.692	ng/ml
10) Aroclor 1221 (2)	5.300	15278	21.291	ng/ml
11) Aroclor 1221 (3)	5.358	378756	161.854	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.358	378756	213.243	ng/ml
14) Aroclor 1232 (2)	6.132	113265	40.740	ng/ml
15) Aroclor 1232 (3)	6.231	152544	103.988	ng/mlm
16) Aroclor 1232 (4)	6.375	468324	411.039	ng/ml
17) Aroclor 1232 (5)	6.606	726849	506.170	ng/ml
18) Aroclor 1232 (6)	6.725	288628	240.900	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.726	76003	28.615	ng/ml
21) Aroclor 1242 (2)	6.132	113265	21.836	ng/ml
22) Aroclor 1242 (3)	6.236	210815	74.753	ng/mlm
23) Aroclor 1242 (4)	6.375	468324	204.581	ng/ml
24) Aroclor 1242 (5)	6.606	726849	243.525	ng/ml
25) Aroclor 1242 (6)	6.725	288628	115.027	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.132	113265	33.281	ng/ml
28) Aroclor 1248 (2)	6.375	468324	103.721	ng/ml
29) Aroclor 1248 (3)	6.606	726849	139.274	ng/ml
30) Aroclor 1248 (4)	6.906	1514595	260.906	ng/ml
31) Aroclor 1248 (5)	6.925	1555744	252.584	ng/ml
32) Aroclor 1248 (6)	7.418	4027009	1178.378	ng/mlm
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.925	1555744	259.372	ng/ml
35) Aroclor 1254 (2)	7.013	2455876	336.995	ng/ml
36) Aroclor 1254 (3)	7.418	4039297	360.331	ng/mlm
37) Aroclor 1254 (4)	7.574	1085460	152.238	ng/ml
38) Aroclor 1254 (5)	7.955	65387181	8537.311	ng/ml
39) Aroclor 1254 (6)	8.243	326587	130.955	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.525	13429500	161.261	ng/ml
42) Aroclor 1260 (2)	7.664	5791667	567.677	ng/ml
43) Aroclor 1260 (3)	8.214	771899	98.142	ng/ml
44) Aroclor 1260 (4)	8.386	2186675	117.447	ng/ml
45) Aroclor 1260 (5)	8.683	1462158	120.880	ng/ml
46) Aroclor 1260 (6)	9.076	557530	109.007	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

R-02

111.369

Data Path : K:\DATA\0A15024\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 13:52
 Operator : MJB / KAK
 Sample : A9J0861-34
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

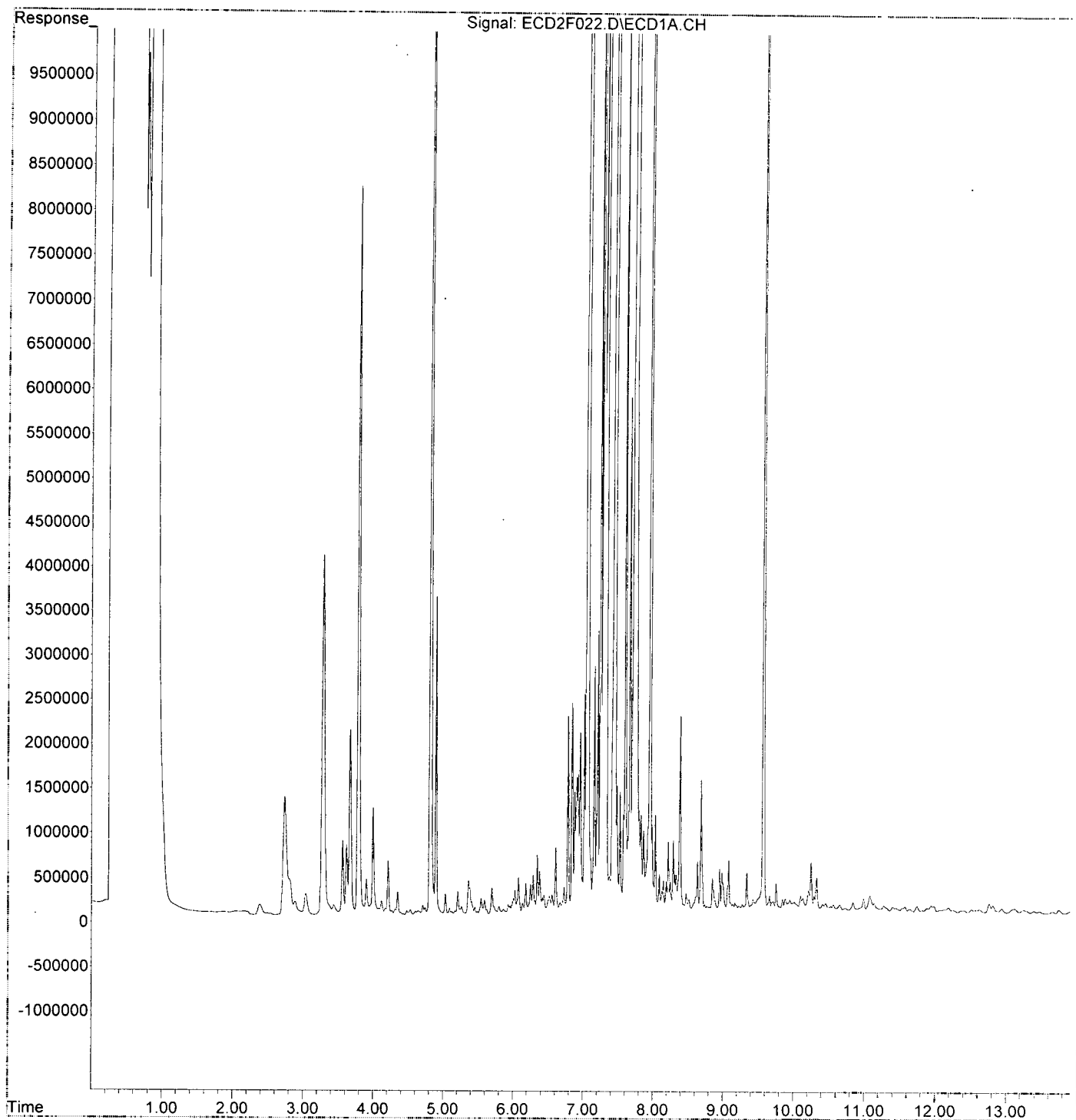
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.664	5791667	719.782 ng/ml
49) Aroclor 1262 (2)	7.983	966505	86.102 ng/ml
50) Aroclor 1262 (3)	8.214	771899	79.537 ng/ml
51) Aroclor 1262 (4)	8.386	2186675	105.840 ng/ml
52) Aroclor 1262 (5)	8.683	1462158	111.766 ng/ml
53) Aroclor 1262 (6)	9.076	557530	83.505 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.214	771899	151.227 ng/ml
56) Aroclor 1268 (2)	8.632	547156	22.310 ng/ml
57) Aroclor 1268 (3)	8.683	1462158	71.625 ng/ml
58) Aroclor 1268 (4)	8.845	364829	19.048 ng/ml
59) Aroclor 1268 (5)	9.076	557530	71.942 ng/ml
60) Aroclor 1268 (6)	9.334	422932	8.089 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

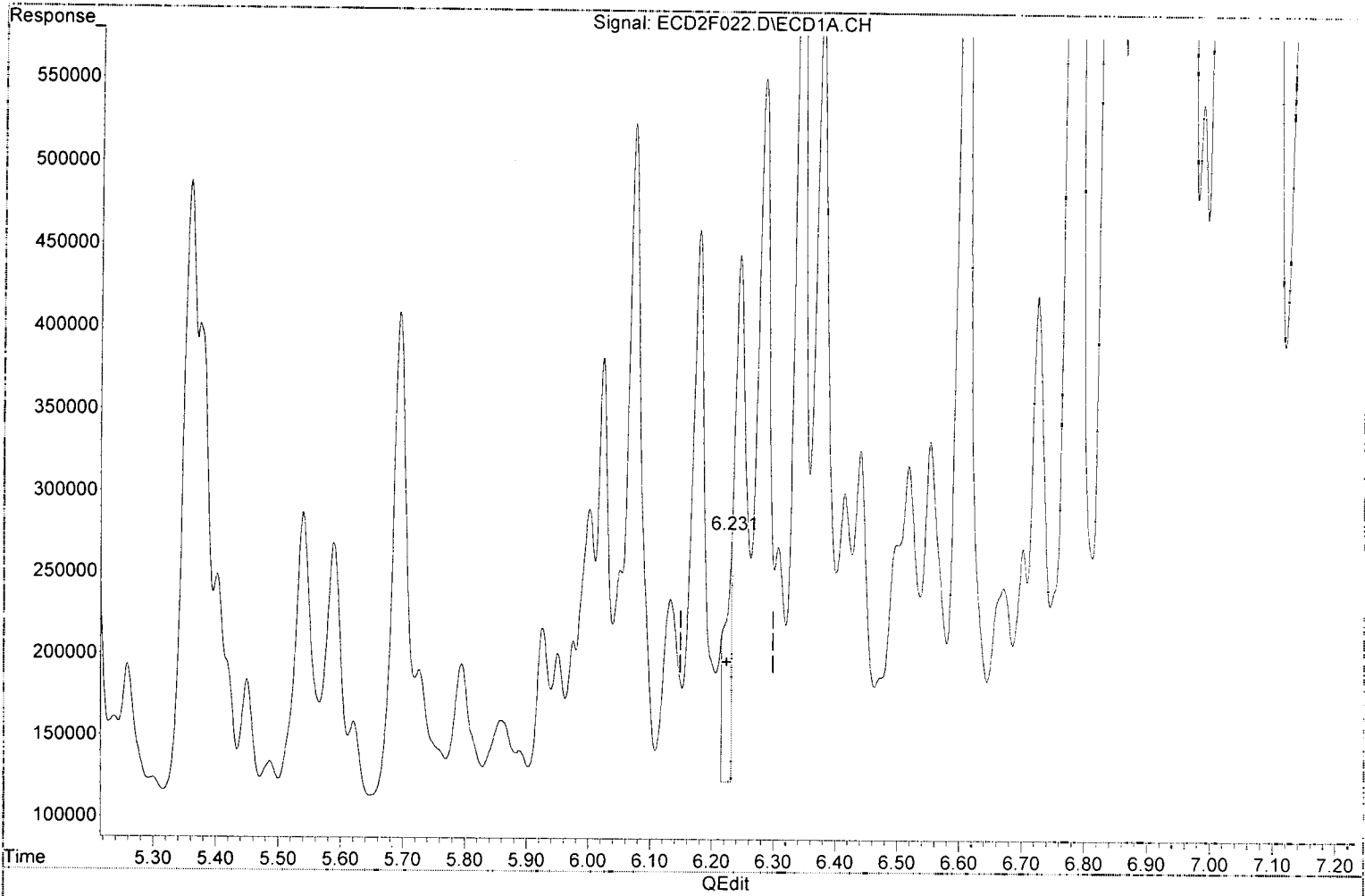
Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(4) Aroclor 1016 (3)

6.231min 38.197 ng/ml (m)

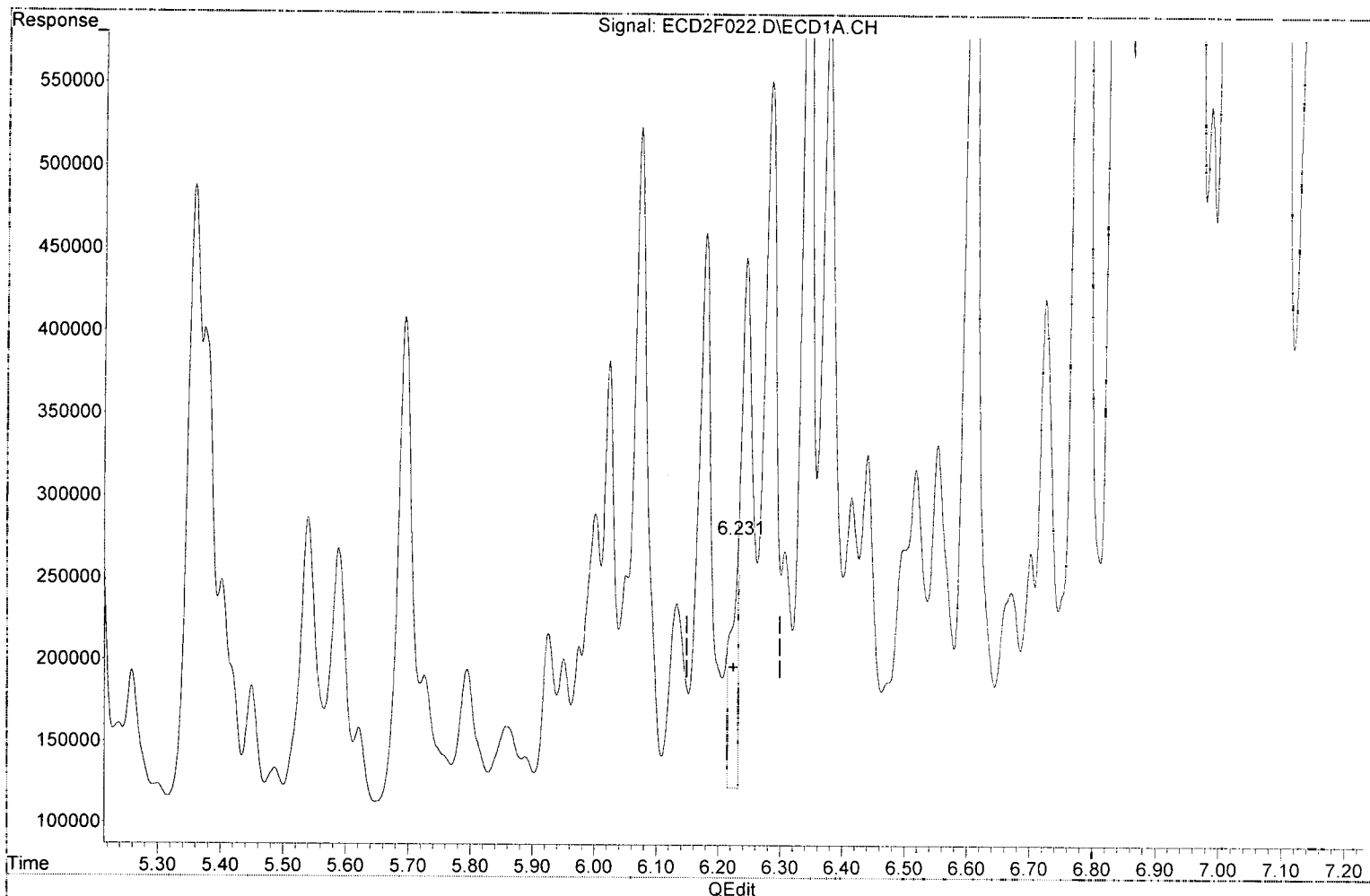
response 151754

MJB
1/20/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) Aroclor 1232 (3)

6.231min 103.988 ng/ml

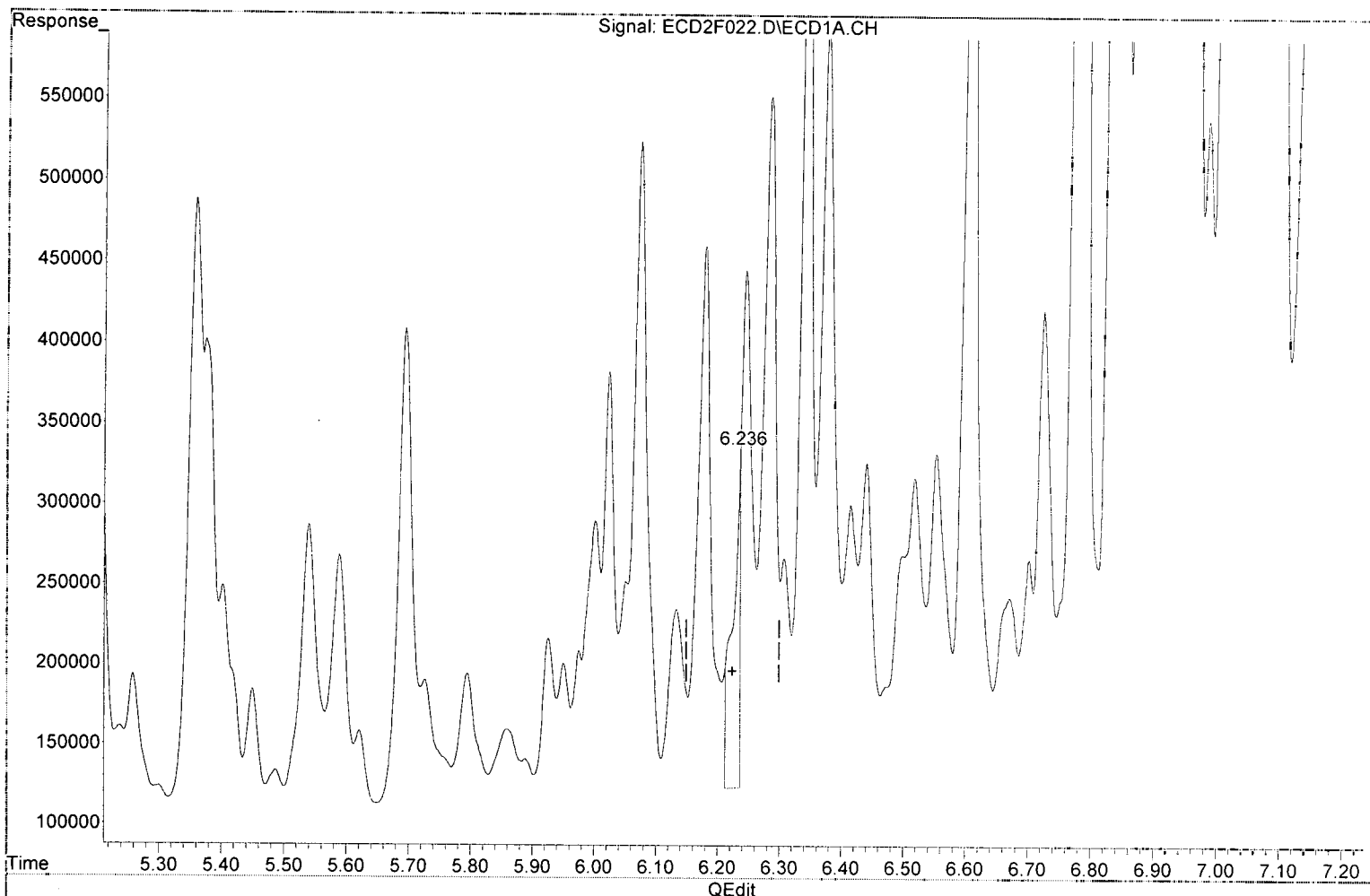
response 152544

Handwritten signature and date: 11/20/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(22) Aroclor 1242 (3)

6.236min 74.753 ng/ml(m)

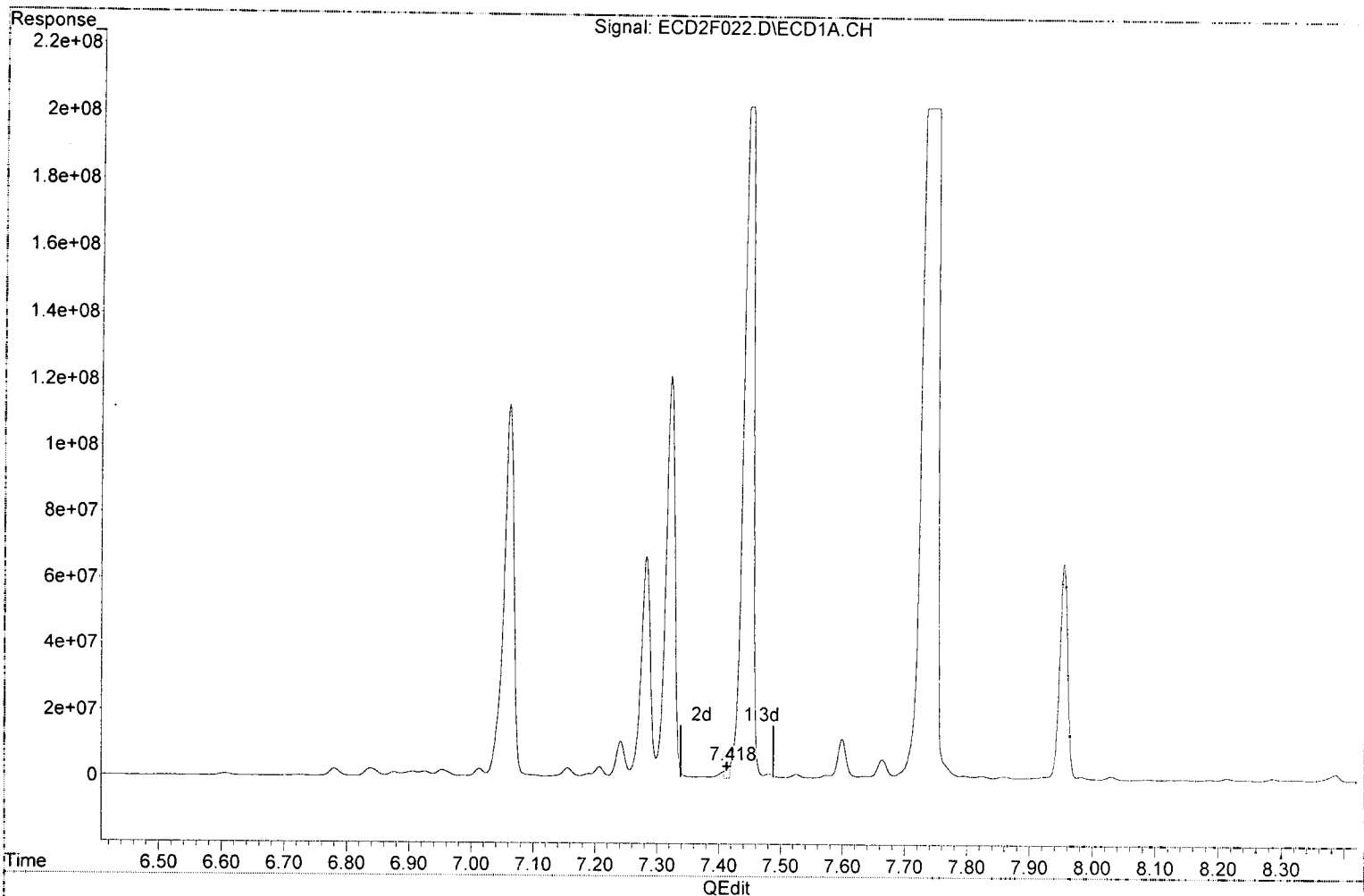
response 210815

Handwritten signature and date: 1/20/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(32) Aroclor 1248 (6)

7.418min 1178.378 ng/ml/m

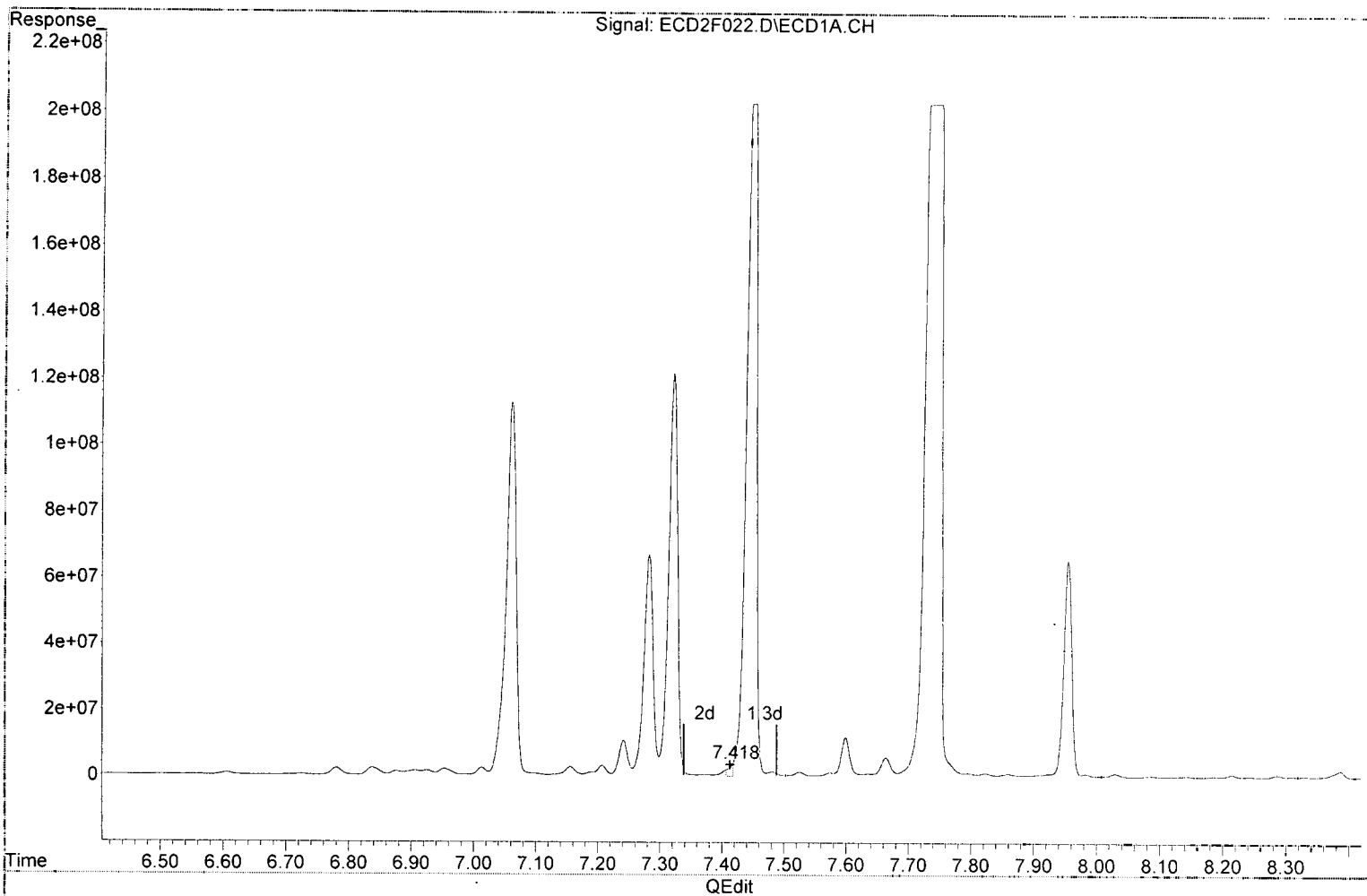
response 4027009

Handwritten signature and date: 11/20/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Aroclor 1254 (3)

7.418min 360.331 ng/ml(m)

response 4039297

11/20/25

Data Path : K:\DATA\0A15024\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 13:52
 Operator : MJB / KAK
 Sample : A9J0861-34
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

MI
1/20/20

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MI

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.811	15138954	227.353	ng/ml
62) S DCBP (S)	9.570	17628330	157.854	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.726	76003	20.333	ng/ml
3) Aroclor 1016 (2)	6.132	113265	15.745	ng/ml
4) Aroclor 1016 (3)	6.244	321365	80.889	ng/ml
5) Aroclor 1016 (4)	6.375	468324	130.913	ng/ml
6) Aroclor 1016 (5)	6.606	726849	175.082	ng/ml
7) Aroclor 1016 (6)	6.725	288628	98.399	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.165	34304	31.692	ng/ml
10) Aroclor 1221 (2)	5.300	15278	21.291	ng/ml
11) Aroclor 1221 (3)	5.358	378756	161.854	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.358	378756	213.243	ng/ml
14) Aroclor 1232 (2)	6.132	113265	40.740	ng/ml
15) Aroclor 1232 (3)	6.244	321365	219.071	ng/ml
16) Aroclor 1232 (4)	6.375	468324	411.039	ng/ml
17) Aroclor 1232 (5)	6.606	726849	506.170	ng/ml
18) Aroclor 1232 (6)	6.725	288628	240.900	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.726	76003	28.615	ng/ml
21) Aroclor 1242 (2)	6.132	113265	21.836	ng/ml
22) Aroclor 1242 (3)	6.244	321365	113.952	ng/ml
23) Aroclor 1242 (4)	6.375	468324	204.581	ng/ml
24) Aroclor 1242 (5)	6.606	726849	243.525	ng/ml
25) Aroclor 1242 (6)	6.725	288628	115.027	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.132	113265	33.281	ng/ml
28) Aroclor 1248 (2)	6.375	468324	103.721	ng/ml
29) Aroclor 1248 (3)	6.606	726849	139.274	ng/ml
30) Aroclor 1248 (4)	6.906	1514595	260.906	ng/ml
31) Aroclor 1248 (5)	6.925	1555744	252.584	ng/ml
32) Aroclor 1248 (6)	7.448	202627466	59292.571	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.925	1555744	259.372	ng/ml
35) Aroclor 1254 (2)	7.013	2455876	336.995	ng/ml
36) Aroclor 1254 (3)	7.448	202627466	18075.641	ng/ml
37) Aroclor 1254 (4)	7.574	1085460	152.238	ng/ml
38) Aroclor 1254 (5)	7.955	65387181	8537.311	ng/ml
39) Aroclor 1254 (6)	8.243	326587	130.955	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.525	1342950	161.261	ng/ml
42) Aroclor 1260 (2)	7.664	5791667	567.677	ng/ml
43) Aroclor 1260 (3)	8.214	771899	98.142	ng/ml
44) Aroclor 1260 (4)	8.386	2186675	117.447	ng/ml
45) Aroclor 1260 (5)	8.683	1462158	120.880	ng/ml
46) Aroclor 1260 (6)	9.076	557530	109.007	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 13:52
 Operator : MJB / KAK
 Sample : A9J0861-34
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:25 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

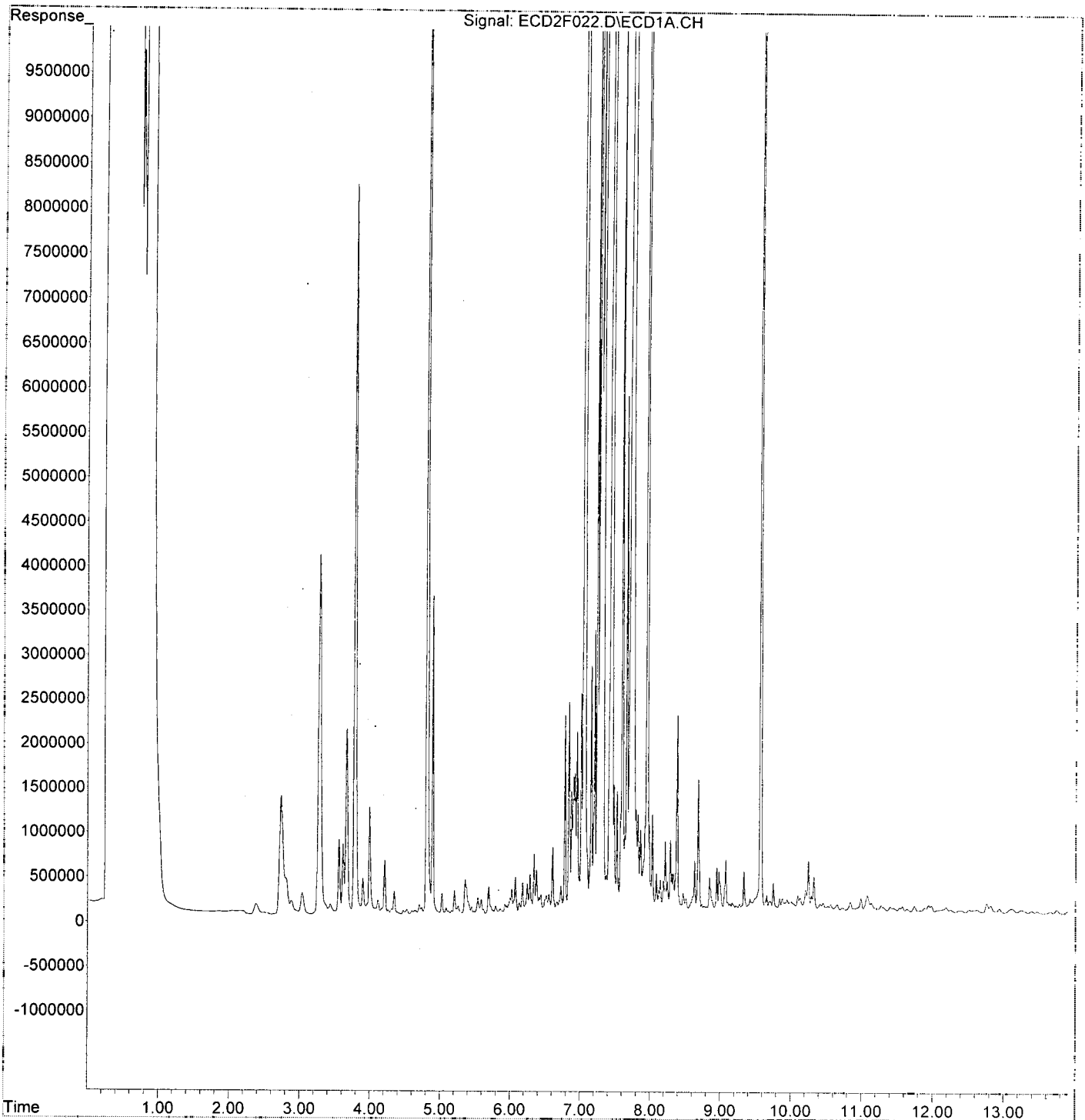
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.664	5791667	719.782	ng/ml
49)	Aroclor 1262 (2)	7.983	966505	86.102	ng/ml
50)	Aroclor 1262 (3)	8.214	771899	79.537	ng/ml
51)	Aroclor 1262 (4)	8.386	2186675	105.840	ng/ml
52)	Aroclor 1262 (5)	8.683	1462158	111.766	ng/ml
53)	Aroclor 1262 (6)	9.076	557530	83.505	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.214	771899	151.227	ng/ml
56)	Aroclor 1268 (2)	8.632	547156	22.310	ng/ml
57)	Aroclor 1268 (3)	8.683	1462158	71.625	ng/ml
58)	Aroclor 1268 (4)	8.845	364829	19.048	ng/ml
59)	Aroclor 1268 (5)	9.076	557530	71.942	ng/ml
60)	Aroclor 1268 (6)	9.334	422932	8.089	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 13:52
Operator : MJB / KAK
Sample : A9J0861-34
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:25 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 14:27
 Operator : MJB / KAK
 Sample : A9J0861-35
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/20/20

RR-2
 SX

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.805	20954298	314.687	ng/ml
62) S DCBP (S)	9.567	24582094	220.121	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.722	1040339	278.318	ng/ml
3) Aroclor 1016 (2)	6.129	2331231	324.056	ng/ml
4) Aroclor 1016 (3)	6.199	2035784	512.414	ng/ml
5) Aroclor 1016 (4)	6.374	2615853	731.225	ng/ml
6) Aroclor 1016 (5)	6.602	7365881	1774.276	ng/ml
7) Aroclor 1016 (6)	6.721	2984343	1017.426	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.137	905593	836.627	ng/ml
10) Aroclor 1221 (2)	5.271	1669214	2326.209	ng/ml
11) Aroclor 1221 (3)	5.350	2440319	1042.821	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.350	2440319	1373.921	ng/ml
14) Aroclor 1232 (2)	6.129	2331231	838.517	ng/ml
15) Aroclor 1232 (3)	6.199	2035784	1387.775	ng/ml
16) Aroclor 1232 (4)	6.374	2615853	2295.887	ng/ml
17) Aroclor 1232 (5)	6.602	7365881	5129.517	ng/ml
18) Aroclor 1232 (6)	6.721	2984343	2490.852	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.722	1040339	391.690	ng/ml
21) Aroclor 1242 (2)	6.129	2331231	449.430	ng/ml
22) Aroclor 1242 (3)	6.199	2035784	721.866	ng/ml
23) Aroclor 1242 (4)	6.374	2615853	1142.703	ng/ml
24) Aroclor 1242 (5)	6.602	7365881	2467.875	ng/ml
25) Aroclor 1242 (6)	6.721	2984343	1189.350	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.129	2331231	684.993	ng/ml
28) Aroclor 1248 (2)	6.374	2615853	579.342	ng/ml
29) Aroclor 1248 (3)	6.602	7365881	1411.397	ng/ml
30) Aroclor 1248 (4)	6.888	3116233	536.806	ng/ml
31) Aroclor 1248 (5)	6.925	4508691	732.013	ng/ml
32) Aroclor 1248 (6)	7.405	5987793	1752.140	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.925	4508691	751.684	ng/ml
35) Aroclor 1254 (2)	7.055	15448548	2119.850	ng/ml
36) Aroclor 1254 (3)	7.405	5987793	534.149	ng/ml
37) Aroclor 1254 (4)	7.570	3353137	470.284	ng/ml
38) Aroclor 1254 (5)	7.950	20112721	2626.028	ng/ml
39) Aroclor 1254 (6)	8.238	1729668	693.563	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.523	4382379	526.235	ng/ml
42) Aroclor 1260 (2)	7.657	5851325	573.525	ng/ml
43) Aroclor 1260 (3)	8.213	2732177	347.377	ng/ml
44) Aroclor 1260 (4)	8.383	5770620	309.941	ng/ml
45) Aroclor 1260 (5)	8.682	4312977	356.563	ng/ml
46) Aroclor 1260 (6)	9.073	1952218	381.695	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F024.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 14:27
 Operator : MJB / KAK
 Sample : A9J0861-35
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:50:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

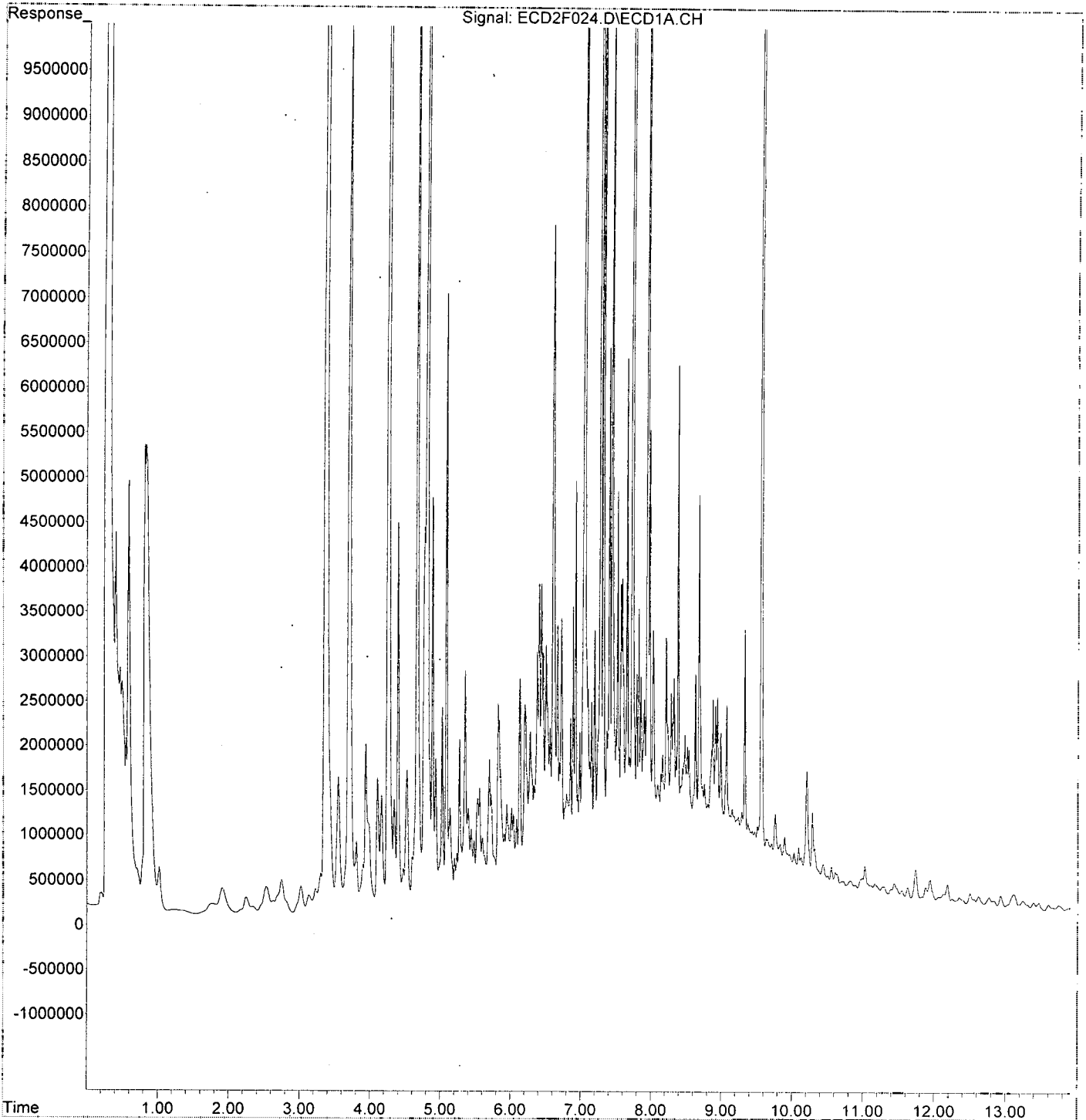
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	5851325	727.197 ng/ml
49) Aroclor 1262 (2)	7.980	5044412	449.388 ng/ml
50) Aroclor 1262 (3)	8.213	2732177	281.525 ng/ml
51) Aroclor 1262 (4)	8.383	5770620	279.312 ng/ml
52) Aroclor 1262 (5)	8.682	4312977	329.679 ng/ml
53) Aroclor 1262 (6)	9.073	1952218	292.395 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.213	2732177	535.276 ng/ml
56) Aroclor 1268 (2)	8.630	2308435	94.123 ng/ml
57) Aroclor 1268 (3)	8.682	4312977	211.274 ng/ml
58) Aroclor 1268 (4)	8.860	1471717	76.838 ng/ml
59) Aroclor 1268 (5)	9.073	1952218	251.908 ng/ml
60) Aroclor 1268 (6)	9.331	2790151	53.366 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F024.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 14:27
Operator : MJB / KAK
Sample : A9J0861-35
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:50:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 15:03
 Operator : MJB / KAK
 Sample : A9J0861-36
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

[Handwritten signature]
 1/20/20
 1260

Integration File: PCB1.e
 Quant Time: Jan 16 09:51:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.806	14351779	215.532 ng/ml
62) S DCBP (S)	9.568	25684426	229.992 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.723	139041	37.197 ng/ml
3) Aroclor 1016 (2)	6.129	316176	43.951 ng/ml
4) Aroclor 1016 (3)	6.216	187018	47.073 ng/ml
5) Aroclor 1016 (4)	6.372	538189	150.443 ng/ml
6) Aroclor 1016 (5)	6.603	1780922	428.984 ng/ml
7) Aroclor 1016 (6)	6.719	533884	182.013 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.168	20180	18.644 ng/ml
10) Aroclor 1221 (2)	5.297	46006	64.114 ng/ml
11) Aroclor 1221 (3)	5.351	601328	256.965 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.351	601328	338.553 ng/ml
14) Aroclor 1232 (2)	6.129	316176	113.725 ng/ml
15) Aroclor 1232 (3)	6.216	187018	127.488 ng/ml
16) Aroclor 1232 (4)	6.372	538189	472.359 ng/ml
17) Aroclor 1232 (5)	6.603	1780922	1240.214 ng/ml
18) Aroclor 1232 (6)	6.719	533884	445.601 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.723	139041	52.349 ng/ml
21) Aroclor 1242 (2)	6.129	316176	60.954 ng/ml
22) Aroclor 1242 (3)	6.216	187018	66.314 ng/ml
23) Aroclor 1242 (4)	6.372	538189	235.101 ng/ml
24) Aroclor 1242 (5)	6.603	1780922	596.682 ng/ml
25) Aroclor 1242 (6)	6.719	533884	212.769 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.129	316176	92.903 ng/ml
28) Aroclor 1248 (2)	6.372	538189	119.194 ng/ml
29) Aroclor 1248 (3)	6.603	1780922	341.247 ng/ml
30) Aroclor 1248 (4)	6.900	1226701	211.313 ng/ml
31) Aroclor 1248 (5)	6.924	1484722	241.054 ng/ml
32) Aroclor 1248 (6)	7.406	2162472	632.780 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.924	1484722	247.531 ng/ml
35) Aroclor 1254 (2)	7.058	109791793	15065.630 ng/ml
36) Aroclor 1254 (3)	7.406	2162472	192.906 ng/ml
37) Aroclor 1254 (4)	7.570	1159275	162.590 ng/ml
38) Aroclor 1254 (5)	7.951	30284439	3954.103 ng/ml
39) Aroclor 1254 (6)	8.239	464124	186.105 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.523	1720140	206.554 ng/ml
42) Aroclor 1260 (2)	7.659	3961919	388.332 ng/ml
43) Aroclor 1260 (3)	8.212	1104637	140.447 ng/ml
44) Aroclor 1260 (4)	8.383	3005583	161.430 ng/ml
45) Aroclor 1260 (5)	8.682	2056368	170.004 ng/ml
46) Aroclor 1260 (6)	9.073	915712	179.039 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

R-02

↑ MDL

R-02

162.730

Data Path : K:\DATA\0A15024\
 Data File : ECD2F026.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 15:03
 Operator : MJB / KAK
 Sample : A9J0861-36
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:51:09 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

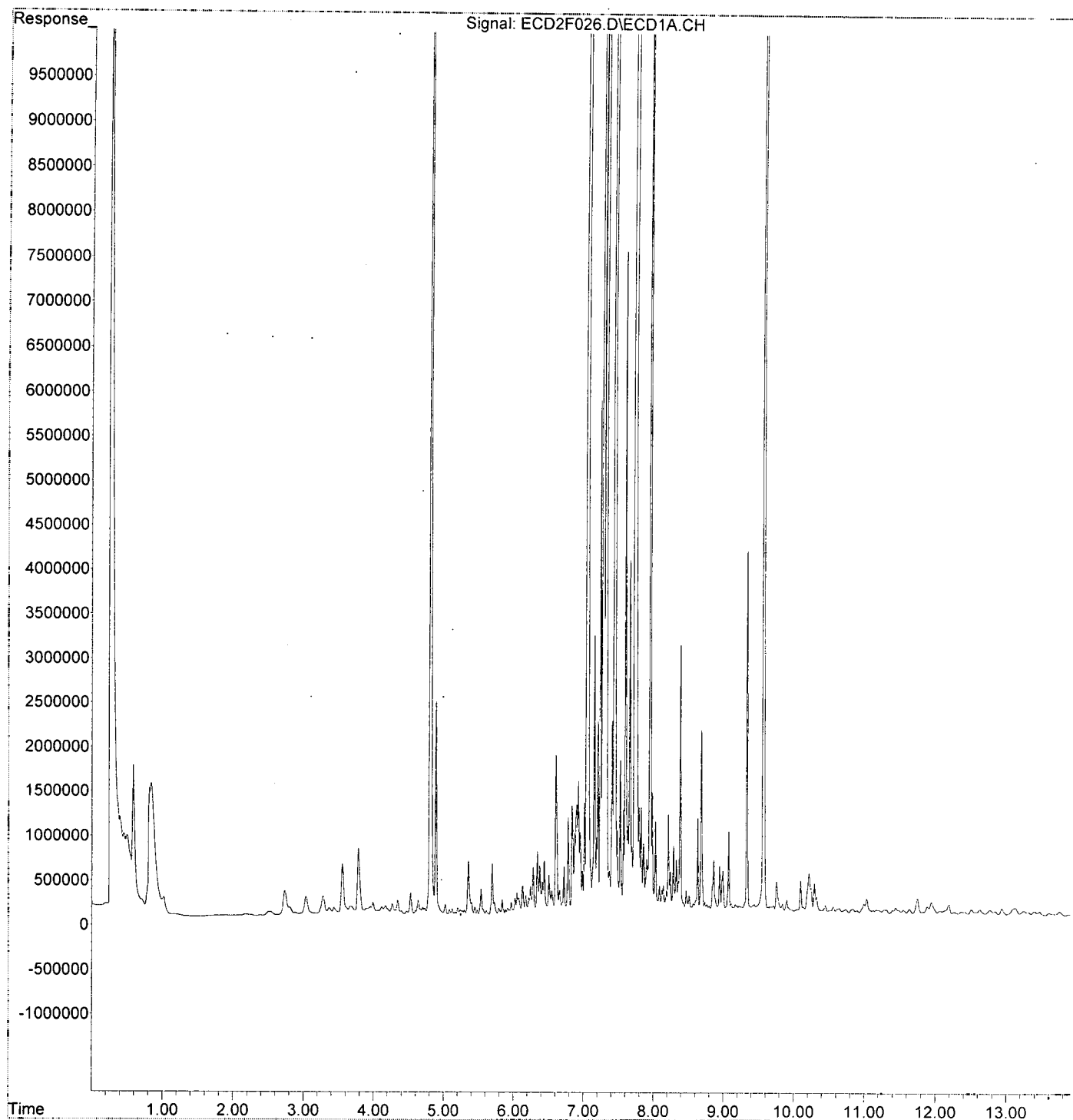
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.659	3961919	492.383	ng/ml
49)	Aroclor 1262 (2)	7.980	1350646	120.324	ng/ml
50)	Aroclor 1262 (3)	8.212	1104637	113.822	ng/ml
51)	Aroclor 1262 (4)	8.383	3005583	145.478	ng/ml
52)	Aroclor 1262 (5)	8.682	2056368	157.186	ng/ml
53)	Aroclor 1262 (6)	9.073	915712	137.152	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.212	1104637	216.416	ng/ml
56)	Aroclor 1268 (2)	8.630	1060541	43.242	ng/ml
57)	Aroclor 1268 (3)	8.682	2056368	100.732	ng/ml
58)	Aroclor 1268 (4)	8.859	590585	30.834	ng/ml
59)	Aroclor 1268 (5)	9.073	915712	118.160	ng/ml
60)	Aroclor 1268 (6)	9.332	4057727	77.610	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F026.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 15:03
Operator : MJB / KAK
Sample : A9J0861-36
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:51:09 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F028.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 15:38
 Operator : MJB / KAK
 Sample : 0A15024-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:51:31 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.814	19182425	288.077	ng/ml
62) S DCBP (S)	9.565	31182517	279.225	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.726	1916631	512.748	ng/ml
3) Aroclor 1016 (2)	6.139	4112130	571.613	ng/ml
4) Aroclor 1016 (3)	6.221	2157421	543.031	ng/ml
5) Aroclor 1016 (4)	6.376	1912418	534.590	ng/ml
6) Aroclor 1016 (5)	6.598	2232948	537.867	ng/ml
7) Aroclor 1016 (6)	6.724	1617220	551.345	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.165	190340	175.845	ng/ml
10) Aroclor 1221 (2)	5.283	207819	289.616	ng/ml
11) Aroclor 1221 (3)	5.364	892245	381.283	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	892245	502.341	ng/ml
14) Aroclor 1232 (2)	6.139	4112130	1479.086	ng/ml
15) Aroclor 1232 (3)	6.221	2157421	1470.694	ng/ml
16) Aroclor 1232 (4)	6.376	1912418	1678.494	ng/ml
17) Aroclor 1232 (5)	6.598	2232948	1555.000	ng/ml
18) Aroclor 1232 (6)	6.724	1617220	1349.796	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.726	1916631	721.616	ng/ml
21) Aroclor 1242 (2)	6.139	4112130	792.763	ng/ml
22) Aroclor 1242 (3)	6.221	2157421	764.997	ng/ml
23) Aroclor 1242 (4)	6.376	1912418	835.416	ng/ml
24) Aroclor 1242 (5)	6.598	2232948	748.130	ng/ml
25) Aroclor 1242 (6)	6.724	1617220	644.511	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.139	4112130	1208.279	ng/ml
28) Aroclor 1248 (2)	6.376	1912418	423.550	ng/ml
29) Aroclor 1248 (3)	6.598	2232948	427.861	ng/ml
30) Aroclor 1248 (4)	6.891	430875	74.223	ng/ml
31) Aroclor 1248 (5)	6.924	1550227	251.689	ng/ml
32) Aroclor 1248 (6)	7.411	3365093	984.689	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.924	1550227	258.452	ng/ml
35) Aroclor 1254 (2)	7.034	1620300	222.338	ng/ml
36) Aroclor 1254 (3)	7.411	3365093	300.187	ng/ml
37) Aroclor 1254 (4)	7.570	473508	66.410	ng/ml
38) Aroclor 1254 (5)	7.950	4308421	562.531	ng/ml
39) Aroclor 1254 (6)	8.242	459449	184.230	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.523	4396507	527.932	ng/ml
42) Aroclor 1260 (2)	7.657	5578668	546.800	ng/ml
43) Aroclor 1260 (3)	8.212	4083209	519.151	ng/ml
44) Aroclor 1260 (4)	8.382	9903985	531.944	ng/ml
45) Aroclor 1260 (5)	8.681	6625026	547.705	ng/ml
46) Aroclor 1260 (6)	9.071	2472853	483.489	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F028.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 15:38
 Operator : MJB / KAK
 Sample : 0A15024-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:51:31 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

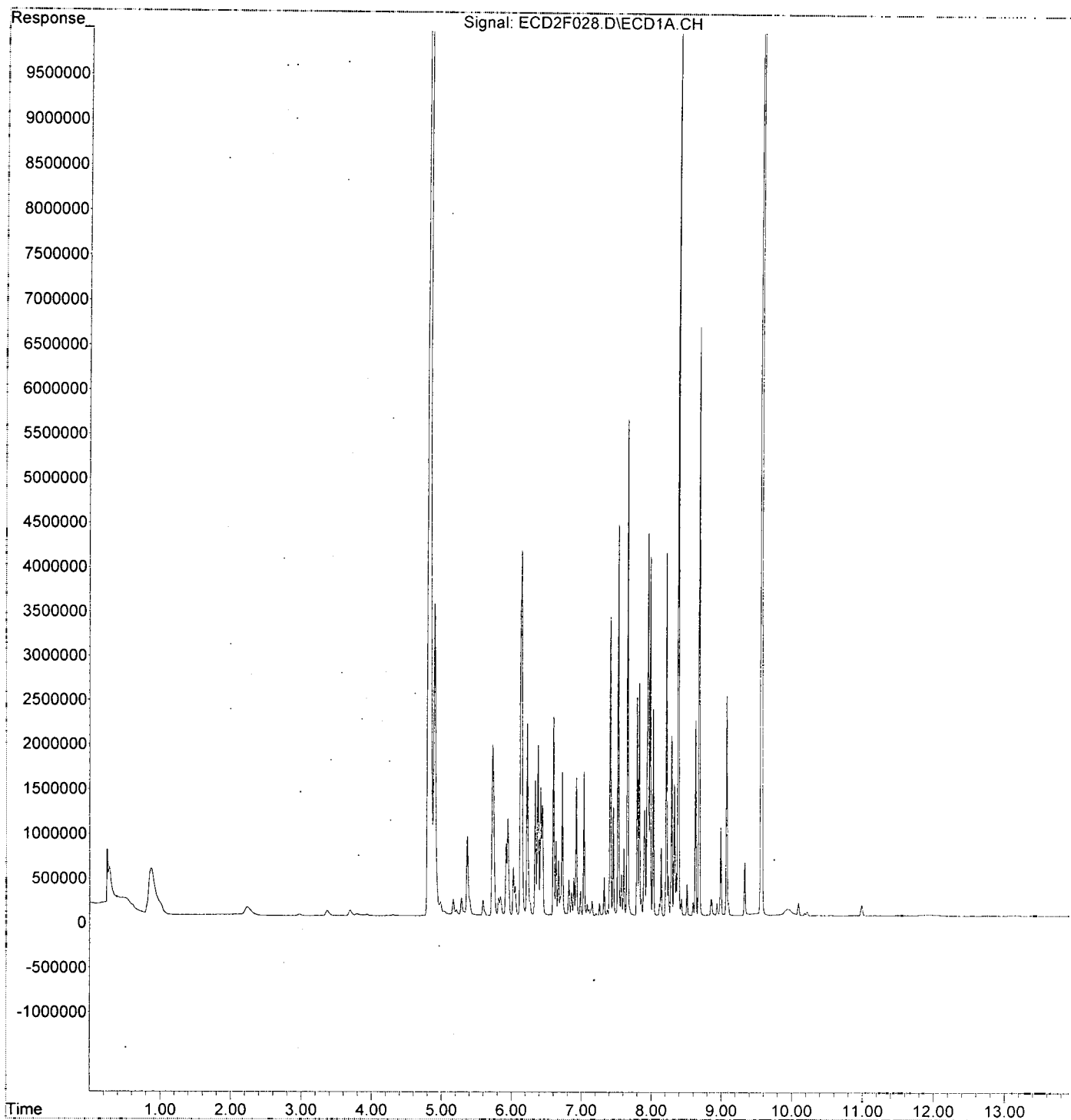
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	5578668	693.311 ng/ml
49) Aroclor 1262 (2)	7.980	4044371	360.298 ng/ml
50) Aroclor 1262 (3)	8.212	4083209	420.735 ng/ml
51) Aroclor 1262 (4)	8.382	9903985	479.378 ng/ml
52) Aroclor 1262 (5)	8.681	6625026	506.409 ng/ml
53) Aroclor 1262 (6)	9.071	2472853	370.374 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.212	4083209	799.965 ng/ml
56) Aroclor 1268 (2)	8.629	2193783	89.449 ng/ml
57) Aroclor 1268 (3)	8.681	6625026	324.530 ng/ml
58) Aroclor 1268 (4)	8.854	190759	9.960 ng/ml
59) Aroclor 1268 (5)	9.071	2472853	319.089 ng/ml
60) Aroclor 1268 (6)	9.330	604306	11.558 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F028.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 15:38
Operator : MJB / KAK
Sample : 0A15024-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:51:31 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15024\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 15:55
 Operator : MJB / KAK
 Sample : 0A15024-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:51:53 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.813	7120541	106.935 ng/ml
62) S DCBP (S)	9.564	11572197	103.624 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.726	2749	0.735 ng/ml
3) Aroclor 1016 (2)	6.154	5076	0.706 ng/ml
4) Aroclor 1016 (3)	6.232	3372	0.849 ng/ml
5) Aroclor 1016 (4)	6.375	731	0.204 ng/ml
6) Aroclor 1016 (5)	6.603	1837	0.443 ng/ml
7) Aroclor 1016 (6)	6.730	1079	0.368 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.171	13301	12.288 ng/ml
10) Aroclor 1221 (2)	5.290	12215	17.023 ng/ml
11) Aroclor 1221 (3)	5.366	12136	5.186 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.366	12136	6.832 ng/ml
14) Aroclor 1232 (2)	6.154	5076	1.826 ng/ml
15) Aroclor 1232 (3)	6.232	3372	2.299 ng/ml
16) Aroclor 1232 (4)	6.375	731	0.641 ng/ml
17) Aroclor 1232 (5)	6.603	1837	1.280 ng/ml
18) Aroclor 1232 (6)	6.730	1079	0.901 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.726	2749	1.035 ng/ml
21) Aroclor 1242 (2)	6.154	5076	0.979 ng/ml
22) Aroclor 1242 (3)	6.232	3372	1.196 ng/ml
23) Aroclor 1242 (4)	6.375	731	0.319 ng/ml
24) Aroclor 1242 (5)	6.603	1837	0.616 ng/ml
25) Aroclor 1242 (6)	6.730	1079	0.430 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.154	5076	1.491 ng/ml
28) Aroclor 1248 (2)	6.375	731	0.162 ng/ml
29) Aroclor 1248 (3)	6.603	1837	0.352 ng/ml
30) Aroclor 1248 (4)	6.900	1608	0.277 ng/ml
31) Aroclor 1248 (5)	6.923	1502	0.244 ng/ml
32) Aroclor 1248 (6)	7.417	3238	0.948 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.923	1502	0.250 ng/ml
35) Aroclor 1254 (2)	7.059	18548	2.545 ng/ml
36) Aroclor 1254 (3)	7.417	3238	0.289 ng/ml
37) Aroclor 1254 (4)	7.569	4661	0.654 ng/ml
38) Aroclor 1254 (5)	7.957	4548	0.594 ng/ml
39) Aroclor 1254 (6)	8.245	1346	0.540 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.522	4913	0.590 ng/ml
42) Aroclor 1260 (2)	7.657	4700	0.461 ng/ml
43) Aroclor 1260 (3)	8.218	1668	0.212 ng/ml
44) Aroclor 1260 (4)	8.381	3665	0.197 ng/ml
45) Aroclor 1260 (5)	8.682	2725	0.225 ng/ml
46) Aroclor 1260 (6)	9.070	4497	0.879 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15024\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 15 Jan 2020 15:55
 Operator : MJB / KAK
 Sample : 0A15024-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 09:51:53 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

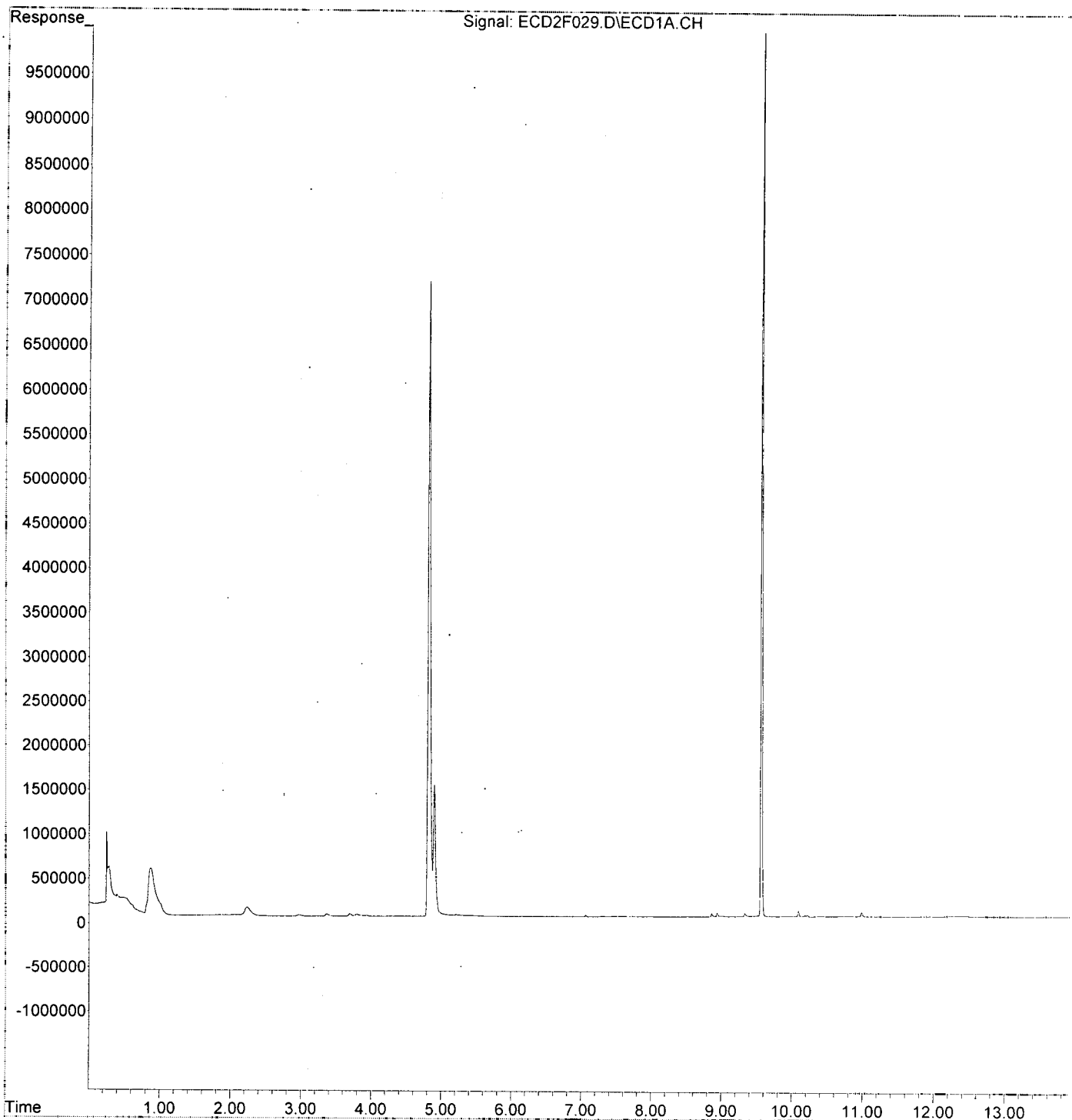
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	4700	0.584 ng/ml
49) Aroclor 1262 (2)	7.978	3574	0.318 ng/ml
50) Aroclor 1262 (3)	8.218	1668	0.172 ng/ml
51) Aroclor 1262 (4)	8.381	3665	0.177 ng/ml
52) Aroclor 1262 (5)	8.682	2725	0.208 ng/ml
53) Aroclor 1262 (6)	9.070	4497	0.674 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.218	1668	0.327 ng/ml
56) Aroclor 1268 (2)	8.627	1801	0.073 ng/ml
57) Aroclor 1268 (3)	8.682	2725	0.133 ng/ml
58) Aroclor 1268 (4)	8.860	37467	1.956 ng/ml
59) Aroclor 1268 (5)	9.070	4497	0.580 ng/ml
60) Aroclor 1268 (6)	9.330	41761	0.799 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15024\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 15 Jan 2020 15:55
Operator : MJB / KAK
Sample : 0A15024-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 09:51:53 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 0A15025 (A9J0861-13,14,31)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A15025**

Instrument: **DUALECD2R**

Date: **01/15/20 07:16**

Calibration: ~~A9J2803~~ **A0A1501** *[Signature]* 1/17/20

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A15025-CCV1	Sediment	QC	QC				
2	0A15025-CCB1	Sediment	QC	QC				A19L338
3	0010092-BLK1	Sediment	QC	QC				A19L339
4	0010092-BS1	Sediment	QC	QC		0010092		
5	A9J0718-19	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
6	0A15025-IBL1	Sediment	QC	QC				
7	A9J0861-12	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
8	0A15025-IBL2	Sediment	QC	QC				
9	A9J0861-13	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
10	0A15025-IBL3	Sediment	QC	QC				
11	A9J0861-14	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
12	0A15025-IBL4	Sediment	QC	QC				
13	A9J0861-31	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
14	0A15025-IBL5	Sediment	QC	QC				
15	0A15025-CCV2	Sediment	QC	QC				A19L338
16	0A15025-CCB2	Sediment	QC	QC				A19L339
17	A9J0903-32	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
18	0A15025-IBL6	Sediment	QC	QC				
19	A9J0903-33	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
20	0A15025-IBL7	Sediment	QC	QC				
21	A9J0903-34	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
22	0A15025-IBL8	Sediment	QC	QC				
23	0010092-MS1	Sediment	QC	QC		0010092		
24	0A15025-IBL9	Sediment	QC	QC				
25	0010092-MSD1	Sediment	QC	QC		0010092		
26	0A15025-IBLA	Sediment	QC	QC				
27	0A15025-CCV3	Sediment	QC	QC				A19L338
28	0A15025-CCB3	Sediment	QC	QC				A19L339

Data Entered By: *[Signature]* 1/17/20

Comments:

Data Reviewed By: *[Signature]* 1/17/20

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.

0A15025-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	415.13
1016 (2)	456.09
1016 (3)	456.34
1016 (4)	425.37
1016 (5)	434.40
1016 (6)	443.04
Average:	438.40

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	441.27
1260 (2)	453.64
1260 (3)	460.36
1260 (4)	490.78
1260 (5)	502.71
1260 (6)	488.14
Average:	472.82

0010092-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	704.50
1016 (2)	786.06
1016 (3)	718.55
1016 (4)	747.79
1016 (5)	753.48
1016 (6)	698.46
Average:	734.81

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	875.80
1260 (2)	904.00
1260 (3)	965.84
1260 (4)	1,085.36
1260 (5)	1,050.29
1260 (6)	1,025.32
Average:	984.44

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.

0A15025-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	421.37
1016 (2)	438.72
1016 (3)	430.47
1016 (4)	395.10
1016 (5)	410.53
1016 (6)	398.29
Average:	415.75

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	405.47
1260 (2)	431.74
1260 (3)	452.54
1260 (4)	484.95
1260 (5)	485.03
1260 (6)	449.92
Average:	451.61

0010092-MS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	467.06
1016 (2)	545.75
1016 (3)	463.00
1016 (4)	457.11
1016 (5)	499.84
1016 (6)	441.76
Average:	479.09

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	497.07
1260 (2)	527.21
1260 (3)	505.37
1260 (4)	552.77
1260 (5)	509.48
1260 (6)	487.32
Average:	513.20

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.

0010092-MSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	523.98
1016 (2)	616.88
1016 (3)	521.52
1016 (4)	509.13
1016 (5)	563.87
1016 (6)	502.06
Average:	539.57

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	584.24
1260 (2)	628.98
1260 (3)	604.35
1260 (4)	709.17
1260 (5)	630.21
1260 (6)	617.73
Average:	629.11

0A15025-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	448.81
1016 (2)	494.87
1016 (3)	477.83
1016 (4)	438.14
1016 (5)	448.87
1016 (6)	455.00
Average:	460.59

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	474.79
1260 (2)	485.20
1260 (3)	484.42
1260 (4)	526.90
1260 (5)	521.04
1260 (6)	513.17
Average:	500.92

Data Path : K:\DATA\0A15025\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 7:42
 Operator : MJB / KAK
 Sample : 0A15025-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:10:39 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/17/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	54895791	243.304 ng/ml
62) S DCBP (S)	10.552	28044453	252.145 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	2566299	415.126 ng/ml
3) Aroclor 1016 (2)	6.789	5218296	456.091 ng/ml
4) Aroclor 1016 (3)	6.917	2444394	456.341 ng/ml
5) Aroclor 1016 (4)	7.003	2101634	425.366 ng/ml
6) Aroclor 1016 (5)	7.048	2408993	434.404 ng/ml
7) Aroclor 1016 (6)	7.173	2530887	443.038 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.805	197848	113.868 ng/ml
10) Aroclor 1221 (2)	5.877	394783	229.929 ng/ml
11) Aroclor 1221 (3)	5.964	1805256	316.322 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.964	1805256	395.023 ng/ml
14) Aroclor 1232 (2)	6.300	2566299	986.002 ng/ml
15) Aroclor 1232 (3)	6.789	5218296	1066.709 ng/ml
16) Aroclor 1232 (4)	7.003	2101634	1242.220 ng/ml
17) Aroclor 1232 (5)	7.048	2408993	1157.699 ng/ml
18) Aroclor 1232 (6)	7.173	2530887	1166.482 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.300	2566299	564.477 ng/ml
21) Aroclor 1242 (2)	6.789	5218296	591.479 ng/ml
22) Aroclor 1242 (3)	6.917	2444394	638.195 ng/ml
23) Aroclor 1242 (4)	7.003	2101634	636.166 ng/ml
24) Aroclor 1242 (5)	7.048	2408993	603.164 ng/ml
25) Aroclor 1242 (6)	7.173	2530887	606.809 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.762	4096609	793.604 ng/ml
28) Aroclor 1248 (2)	7.003	2101634	330.479 ng/ml
29) Aroclor 1248 (3)	7.048	2408993	405.843 ng/ml
30) Aroclor 1248 (4)	7.173	2530887	346.910 ng/ml
31) Aroclor 1248 (5)	7.538	572313	64.292 ng/ml
32) Aroclor 1248 (6)	7.698	2039168	250.475 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.516	1672609	197.385 ng/ml
35) Aroclor 1254 (2)	7.698	2039168	146.599 ng/ml
36) Aroclor 1254 (3)	8.008	1199387	79.040 ng/ml
37) Aroclor 1254 (4)	8.247	806481	73.877 ng/ml
38) Aroclor 1254 (5)	8.583	6104913	542.723 ng/ml
39) Aroclor 1254 (6)	8.800	925506	262.393 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	4645587	441.266 ng/ml
42) Aroclor 1260 (2)	8.350	5789533	453.638 ng/ml
43) Aroclor 1260 (3)	8.583	6104913	460.360 ng/ml
44) Aroclor 1260 (4)	9.067	10381294	490.784 ng/ml
45) Aroclor 1260 (5)	9.325	6150564	502.714 ng/ml
46) Aroclor 1260 (6)	9.891	2382090	488.137 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A15025\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 7:42
 Operator : MJB / KAK
 Sample : 0A15025-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:10:39 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

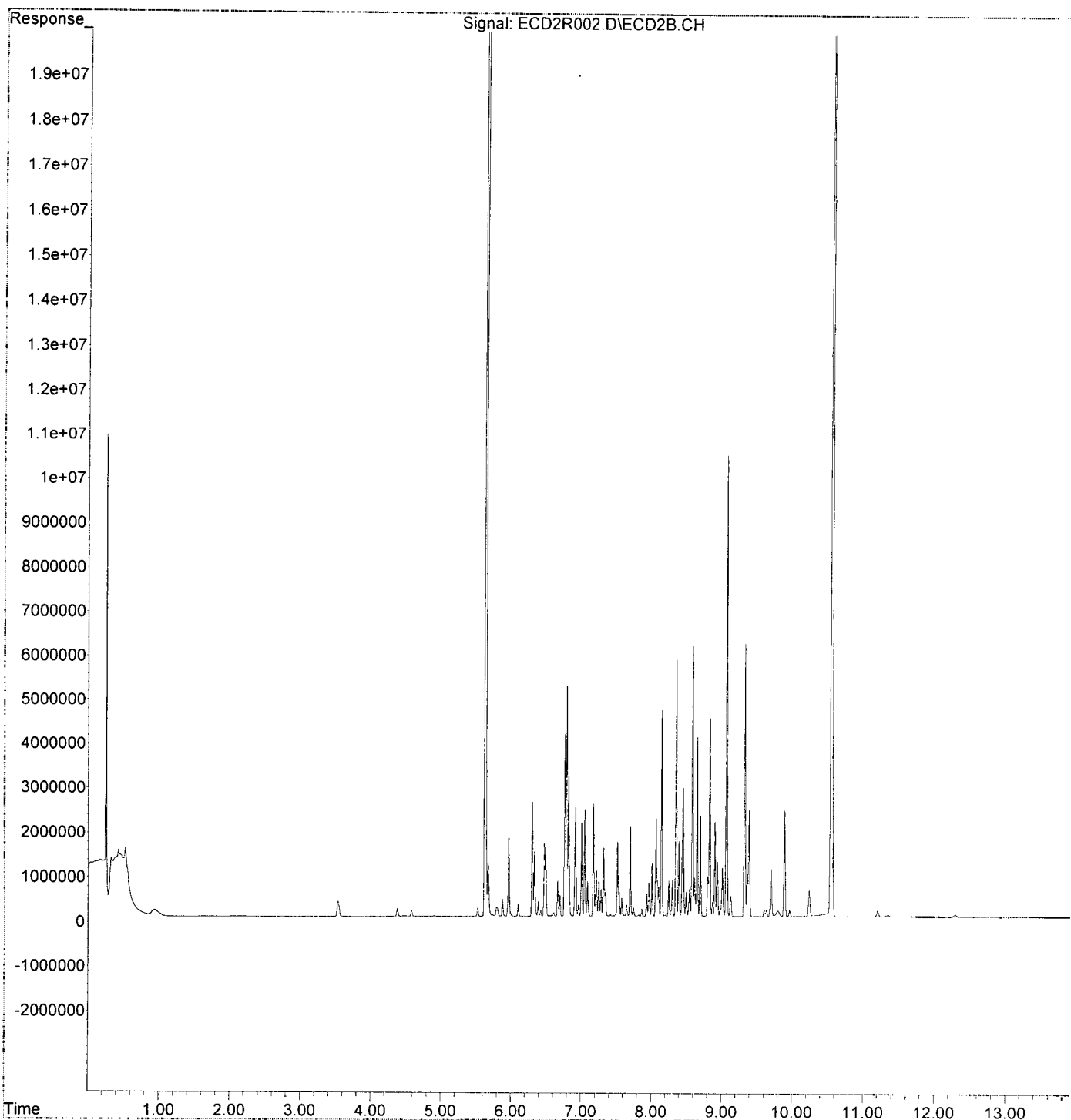
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.350	5789533	547.645 ng/ml
49) Aroclor 1262 (2)	8.651	4034868	264.105 ng/ml
50) Aroclor 1262 (3)	8.829	4487290	350.455 ng/ml
51) Aroclor 1262 (4)	9.067	10381294	377.164 ng/ml
52) Aroclor 1262 (5)	9.325	6150564	374.588 ng/ml
53) Aroclor 1262 (6)	9.891	2382090	330.821 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	334310	53.643 ng/ml
56) Aroclor 1268 (2)	9.325	6150564	221.510 ng/ml
57) Aroclor 1268 (3)	9.390	2398510	106.523 ng/ml
58) Aroclor 1268 (4)	9.604	168559	8.755 ng/ml
59) Aroclor 1268 (5)	9.891	2382090	304.491 ng/ml
60) Aroclor 1268 (6)	10.240	589197	11.641 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 7:42
Operator : MJB / KAK
Sample : 0A15025-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:10:39 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A15025\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 8:00
 Operator : MJB / KAK
 Sample : 0A15025-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:11:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/17/20
Coleman

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	20258699	89.789 ng/ml
62) S DCBP (S)	10.551	10757015	96.715 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.305	2176	0.352 ng/ml
3) Aroclor 1016 (2)	6.795	4362	0.381 ng/ml
4) Aroclor 1016 (3)	6.911	4196	0.783 ng/ml
5) Aroclor 1016 (4)	7.004	4339	0.878 ng/ml
6) Aroclor 1016 (5)	7.049	3971	0.716 ng/ml
7) Aroclor 1016 (6)	7.173	3937	0.689 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.834	5529	3.182 ng/ml
10) Aroclor 1221 (2)	5.880	3528	2.054 ng/ml
11) Aroclor 1221 (3)	5.948	31615	5.540 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.948	31615	6.918 ng/ml
14) Aroclor 1232 (2)	6.294	1925	0.740 ng/ml
15) Aroclor 1232 (3)	6.795	4362	0.892 ng/ml
16) Aroclor 1232 (4)	7.004	4339	2.564 ng/ml
17) Aroclor 1232 (5)	7.049	3971	1.908 ng/ml
18) Aroclor 1232 (6)	7.173	3937	1.815 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.294	1925	0.423 ng/ml
21) Aroclor 1242 (2)	6.795	4362	0.494 ng/ml
22) Aroclor 1242 (3)	6.911	4196	1.096 ng/ml
23) Aroclor 1242 (4)	7.004	4339	1.313 ng/ml
24) Aroclor 1242 (5)	7.049	3971	0.994 ng/ml
25) Aroclor 1242 (6)	7.173	3937	0.944 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.757	3691	0.715 ng/ml
28) Aroclor 1248 (2)	7.004	4339	0.682 ng/ml
29) Aroclor 1248 (3)	7.049	3971	0.669 ng/ml
30) Aroclor 1248 (4)	7.173	3937	0.540 ng/ml
31) Aroclor 1248 (5)	7.570	19041	2.139 ng/ml
32) Aroclor 1248 (6)	7.701	25246	3.101 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.500	2203	0.260 ng/ml
35) Aroclor 1254 (2)	7.701	25246	1.815 ng/ml
36) Aroclor 1254 (3)	8.007	6340	0.418 ng/ml
37) Aroclor 1254 (4)	8.219	3983	0.365 ng/ml
38) Aroclor 1254 (5)	8.579	4002	0.356 ng/ml
39) Aroclor 1254 (6)	8.812	1363	0.386 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.143	5357	0.509 ng/ml
42) Aroclor 1260 (2)	8.352	5220	0.409 ng/ml
43) Aroclor 1260 (3)	8.579	4002	0.302 ng/ml
44) Aroclor 1260 (4)	9.068	3522	0.166 ng/ml
45) Aroclor 1260 (5)	9.329	2733	0.223 ng/ml
46) Aroclor 1260 (6)	9.895	6536	1.339 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A15025\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 8:00
 Operator : MJB / KAK
 Sample : 0A15025-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:11:00 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

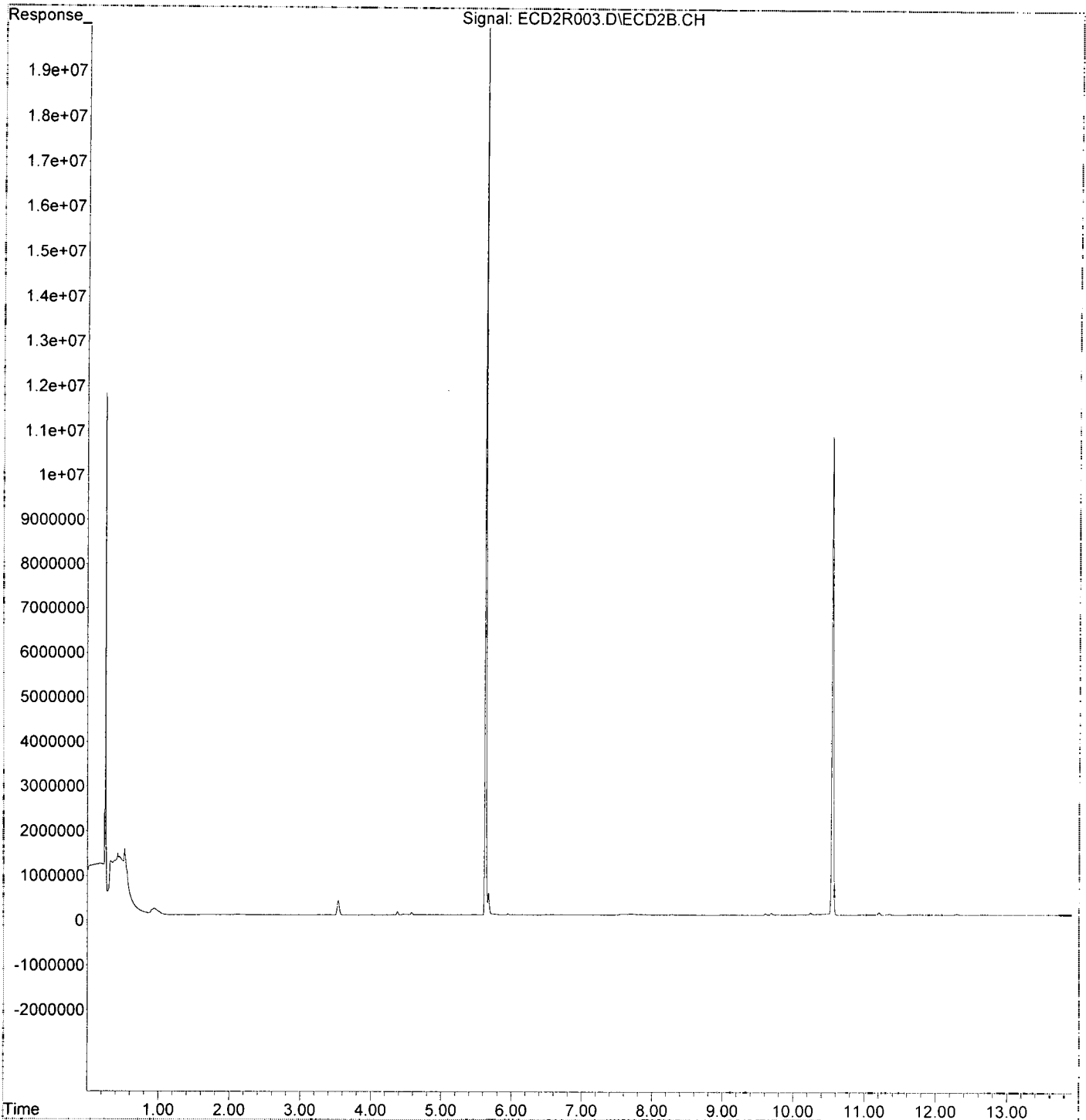
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.352	5220	0.494 ng/ml
49) Aroclor 1262 (2)	8.652	2636	0.173 ng/ml
50) Aroclor 1262 (3)	8.831	1763	0.138 ng/ml
51) Aroclor 1262 (4)	9.068	3522	0.128 ng/ml
52) Aroclor 1262 (5)	9.329	2733	0.166 ng/ml
53) Aroclor 1262 (6)	9.895	6536	0.908 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	1824	0.293 ng/ml
56) Aroclor 1268 (2)	9.329	2733	0.098 ng/ml
57) Aroclor 1268 (3)	9.390	3015	0.134 ng/ml
58) Aroclor 1268 (4)	9.606	39307	2.042 ng/ml
59) Aroclor 1268 (5)	9.895	6536	0.835 ng/ml
60) Aroclor 1268 (6)	10.241	54955	1.086 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 8:00
Operator : MJB / KAK
Sample : 0A15025-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:11:00 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 8:17
 Operator : MJB / KAK
 Sample : 0010092-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:11:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/17/20
Dean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.629	37791855	167.498 ng/ml
62) S DCBP (S)	10.551	25946312	233.280 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.302	3475	0.562 ng/ml
3) Aroclor 1016 (2)	6.796	5383	0.470 ng/ml
4) Aroclor 1016 (3)	6.912	5693	1.063 ng/ml
5) Aroclor 1016 (4)	7.004	5853	1.185 ng/ml
6) Aroclor 1016 (5)	7.048	5146	0.928 ng/ml
7) Aroclor 1016 (6)	7.176	5452	0.954 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.862f	4077	2.346 ng/ml
10) Aroclor 1221 (2)	5.862	4077	2.374 ng/ml
11) Aroclor 1221 (3)	5.948	49981	8.758 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.948	49981	10.937 ng/ml
14) Aroclor 1232 (2)	6.302	3475	1.335 ng/ml
15) Aroclor 1232 (3)	6.782	5702	1.166 ng/ml
16) Aroclor 1232 (4)	7.004	5853	3.459 ng/ml
17) Aroclor 1232 (5)	7.048	5146	2.473 ng/ml
18) Aroclor 1232 (6)	7.176	5452	2.513 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.302	3475	0.764 ng/ml
21) Aroclor 1242 (2)	6.782	5702	0.646 ng/ml
22) Aroclor 1242 (3)	6.912	5693	1.486 ng/ml
23) Aroclor 1242 (4)	7.004	5853	1.772 ng/ml
24) Aroclor 1242 (5)	7.048	5146	1.288 ng/ml
25) Aroclor 1242 (6)	7.176	5452	1.307 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.747	5199	1.007 ng/ml
28) Aroclor 1248 (2)	7.004	5853	0.920 ng/ml
29) Aroclor 1248 (3)	7.048	5146	0.867 ng/ml
30) Aroclor 1248 (4)	7.176	5452	0.747 ng/ml
31) Aroclor 1248 (5)	7.566	20291	2.279 ng/ml
32) Aroclor 1248 (6)	7.697	28995	3.561 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.487	3686	0.435 ng/ml
35) Aroclor 1254 (2)	7.697	28995	2.084 ng/ml
36) Aroclor 1254 (3)	8.005	7584	0.500 ng/ml
37) Aroclor 1254 (4)	8.214	4540	0.416 ng/ml
38) Aroclor 1254 (5)	8.583	2848	0.253 ng/ml
39) Aroclor 1254 (6)	8.829	2034	0.577 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.141	6207	0.590 ng/ml
42) Aroclor 1260 (2)	8.350	4870	0.382 ng/ml
43) Aroclor 1260 (3)	8.583	2848	0.215 ng/ml
44) Aroclor 1260 (4)	9.065	2633	0.124 ng/ml
45) Aroclor 1260 (5)	9.324	2626	0.215 ng/ml
46) Aroclor 1260 (6)	9.899	6170	1.264 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 8:17
 Operator : MJB / KAK
 Sample : 0010092-BLK1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:11:22 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

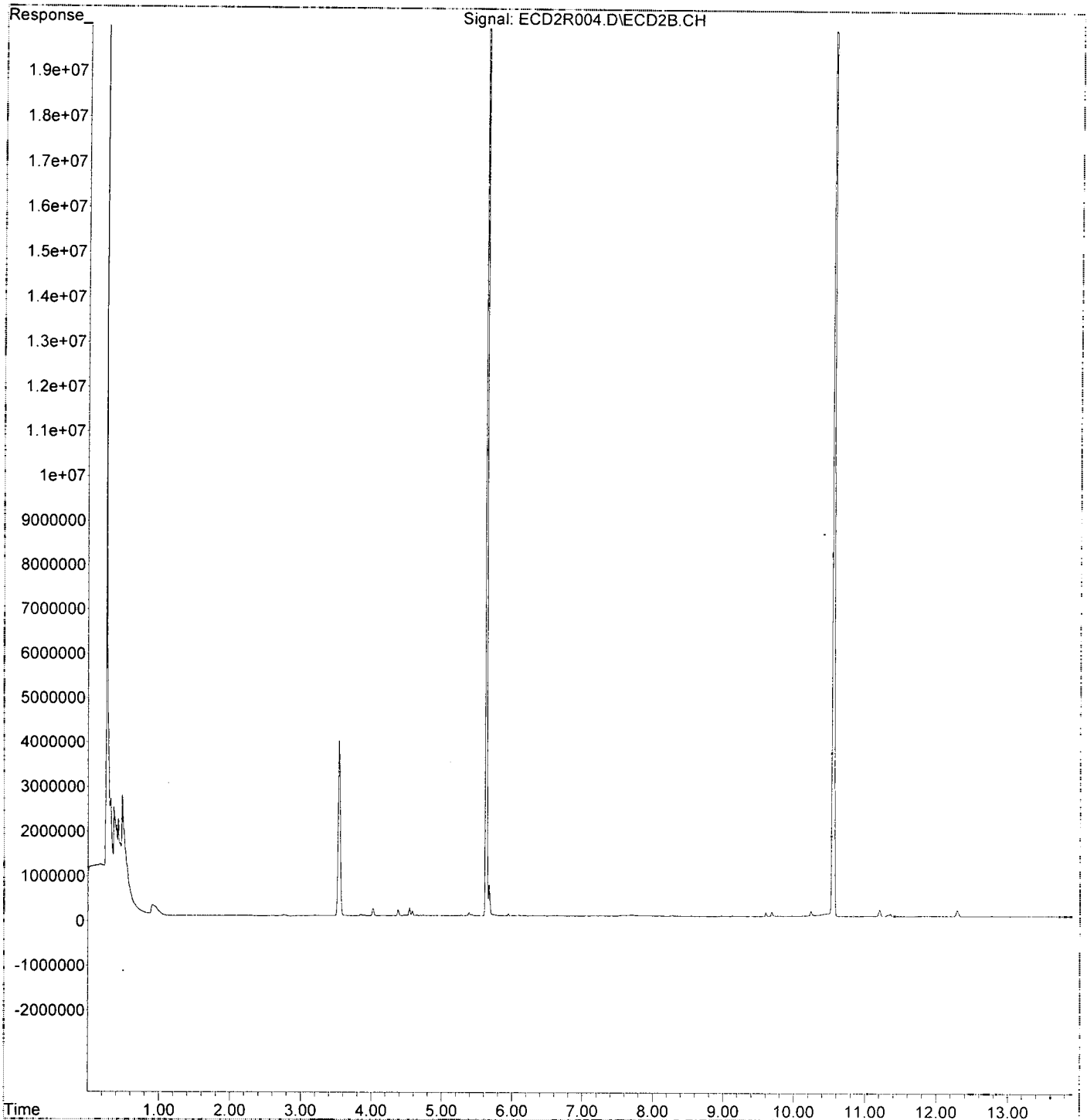
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	8.350	4870	0.461 ng/ml
49)	Aroclor 1262 (2)	8.652	2000	0.131 ng/ml
50)	Aroclor 1262 (3)	8.829	2034	0.159 ng/ml
51)	Aroclor 1262 (4)	9.065	2633	0.096 ng/ml
52)	Aroclor 1262 (5)	9.324	2626	0.160 ng/ml
53)	Aroclor 1262 (6)	9.899	6170	0.857 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.871	2012	0.323 ng/ml
56)	Aroclor 1268 (2)	9.324	2626	0.095 ng/ml
57)	Aroclor 1268 (3)	9.391	2225	0.099 ng/ml
58)	Aroclor 1268 (4)	9.605	83733	4.349 ng/ml
59)	Aroclor 1268 (5)	9.899	6170	0.789 ng/ml
60)	Aroclor 1268 (6)	10.240	107596	2.126 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 8:17
Operator : MJB / KAK
Sample : 0010092-BLK1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:11:22 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 8:35
 Operator : MJB / KAK
 Sample : 0010092-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:11:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/17/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.629	37342582	165.507	ng/ml
62) S DCBP (S)	10.552	27250565	245.007	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.300	4355177	704.495	ng/ml
3) Aroclor 1016 (2)	6.790	8993611	786.062	ng/ml
4) Aroclor 1016 (3)	6.917	3848904	718.548	ng/ml
5) Aroclor 1016 (4)	7.003	3694634	747.787	ng/ml
6) Aroclor 1016 (5)	7.048	4178414	753.476	ng/ml
7) Aroclor 1016 (6)	7.173	3990026	698.464	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	299371	172.298	ng/ml
10) Aroclor 1221 (2)	5.877	590946	344.178	ng/ml
11) Aroclor 1221 (3)	5.964	2892054	506.754	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	2892054	632.835	ng/ml
14) Aroclor 1232 (2)	6.300	4355177	1673.309	ng/ml
15) Aroclor 1232 (3)	6.790	8993611	1838.447	ng/ml
16) Aroclor 1232 (4)	7.003	3694634	2183.800	ng/ml
17) Aroclor 1232 (5)	7.048	4178414	2008.037	ng/ml
18) Aroclor 1232 (6)	7.173	3990026	1838.997	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.300	4355177	957.954	ng/ml
21) Aroclor 1242 (2)	6.790	8993611	1019.401	ng/ml
22) Aroclor 1242 (3)	6.917	3848904	1004.891	ng/ml
23) Aroclor 1242 (4)	7.003	3694634	1118.369	ng/ml
24) Aroclor 1242 (5)	7.048	4178414	1046.192	ng/ml
25) Aroclor 1242 (6)	7.173	3990026	956.655	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.763	6976675	1351.537	ng/ml
28) Aroclor 1248 (2)	7.003	3694634	580.977	ng/ml
29) Aroclor 1248 (3)	7.048	4178414	703.938	ng/ml
30) Aroclor 1248 (4)	7.173	3990026	546.915	ng/ml
31) Aroclor 1248 (5)	7.539	961233	107.982	ng/ml
32) Aroclor 1248 (6)	7.697	3730285	458.198	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.516	2978339	351.474	ng/ml
35) Aroclor 1254 (2)	7.697	3730285	268.176	ng/ml
36) Aroclor 1254 (3)	8.008	2120199	139.723	ng/ml
37) Aroclor 1254 (4)	8.247	1502052	137.595	ng/ml
38) Aroclor 1254 (5)	8.583	12808166	1138.639	ng/ml
39) Aroclor 1254 (6)	8.800	1844909	523.055	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	9220336	875.803	ng/ml
42) Aroclor 1260 (2)	8.351	11537308	904.003	ng/ml
43) Aroclor 1260 (3)	8.583	12808166	965.840	ng/ml
44) Aroclor 1260 (4)	9.067	22958076	1085.361	ng/ml
45) Aroclor 1260 (5)	9.326	12850068	1050.295	ng/ml
46) Aroclor 1260 (6)	9.891	5003523	1025.321	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 8:35
 Operator : MJB / KAK
 Sample : 0010092-BS1
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:11:44 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

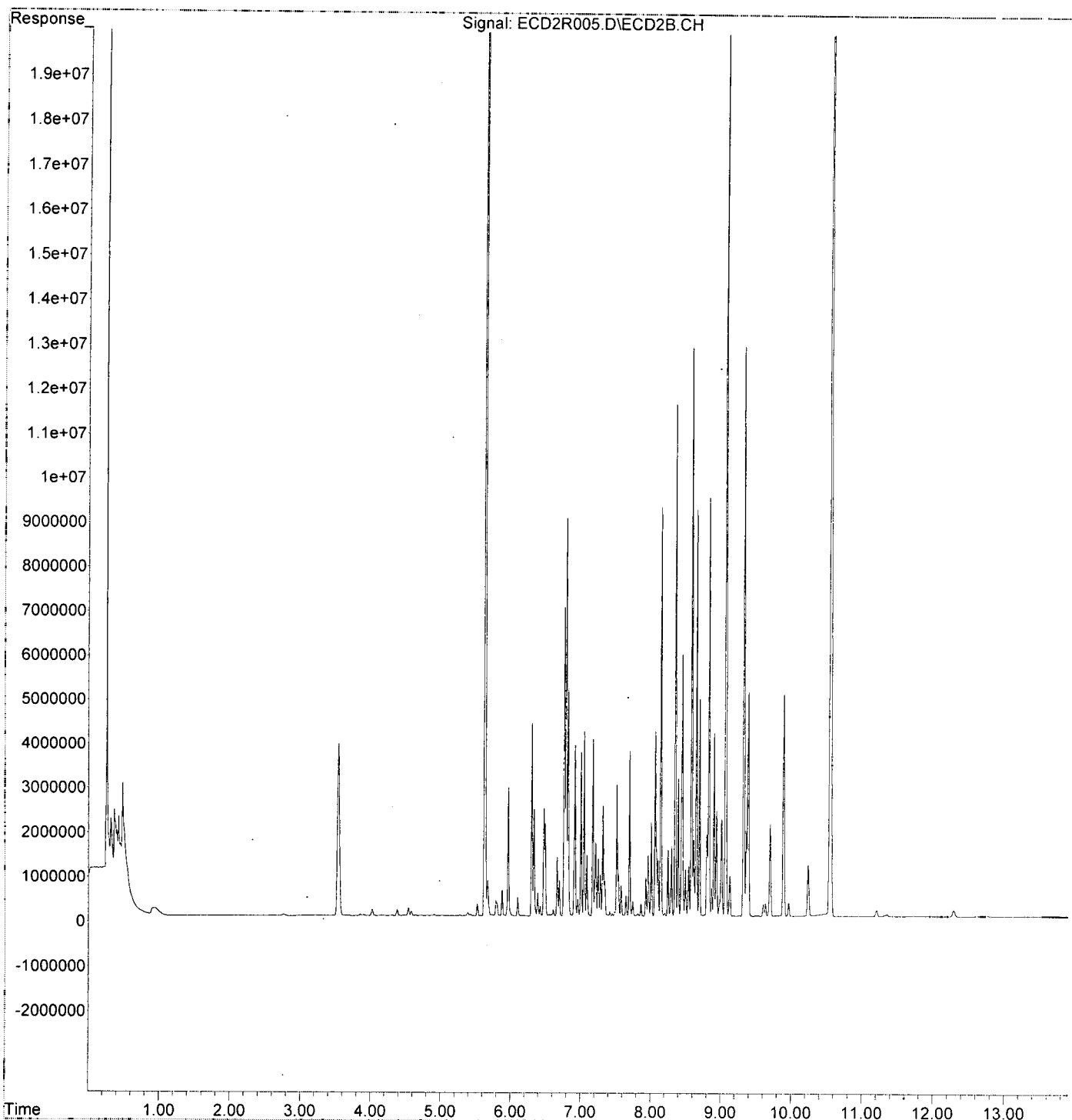
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.351	11537308	1091.339	ng/ml
49) Aroclor 1262 (2)	8.651	9174825	600.545	ng/ml
50) Aroclor 1262 (3)	8.829	9424510	736.048	ng/ml
51) Aroclor 1262 (4)	9.067	22958076	834.093	ng/ml
52) Aroclor 1262 (5)	9.326	12850068	782.608	ng/ml
53) Aroclor 1262 (6)	9.891	5003523	694.882	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.870	640873	102.833	ng/ml
56) Aroclor 1268 (2)	9.326	12850068	462.790	ng/ml
57) Aroclor 1268 (3)	9.389	5064036	224.905	ng/ml
58) Aroclor 1268 (4)	9.604	270976	14.074	ng/ml
59) Aroclor 1268 (5)	9.891	5003523	639.577	ng/ml
60) Aroclor 1268 (6)	10.240	1169587	23.108	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 8:35
Operator : MJB / KAK
Sample : 0010092-BS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:11:44 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 9:32
 Operator : MJB / KAK
 Sample : A9J0861-12
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:12:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/17/20
 RR-7

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.633	26715312	118.405 ng/ml
62) S DCBP (S)	10.553	11749108	105.635 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.309	208925	33.796 ng/ml
3) Aroclor 1016 (2)	6.793	706028	61.708 ng/ml
4) Aroclor 1016 (3)	6.923	310999	58.060 ng/ml
5) Aroclor 1016 (4)	7.008	1178245	238.474 ng/ml
6) Aroclor 1016 (5)	7.052	791767	142.776 ng/ml
7) Aroclor 1016 (6)	7.177	886009	155.098 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.794	31405	18.074 ng/ml
10) Aroclor 1221 (2)	5.896	56913	33.147 ng/ml
11) Aroclor 1221 (3)	5.952	555581	97.351 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.952	555581	121.571 ng/ml
14) Aroclor 1232 (2)	6.309	208925	80.271 ng/ml
15) Aroclor 1232 (3)	6.793	706028	144.324 ng/ml
16) Aroclor 1232 (4)	7.008	1178245	696.429 ng/ml
17) Aroclor 1232 (5)	7.052	791767	380.503 ng/ml
18) Aroclor 1232 (6)	7.177	886009	408.360 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.309	208925	45.955 ng/ml
21) Aroclor 1242 (2)	6.793	706028	80.026 ng/ml
22) Aroclor 1242 (3)	6.923	310999	81.197 ng/ml
23) Aroclor 1242 (4)	7.008	1178245	356.656 ng/ml
24) Aroclor 1242 (5)	7.052	791767	198.243 ng/ml
25) Aroclor 1242 (6)	7.177	886009	212.431 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.766	501636	97.178 ng/ml
28) Aroclor 1248 (2)	7.008	1178245	185.278 ng/ml
29) Aroclor 1248 (3)	7.052	791767	133.389 ng/ml
30) Aroclor 1248 (4)	7.177	886009	121.446 ng/ml
31) Aroclor 1248 (5)	7.546	1663408	186.863 ng/ml
32) Aroclor 1248 (6)	7.701	3775454	463.746 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.523	1873683	221.114 ng/ml
35) Aroclor 1254 (2)	7.701	3775454	271.423 ng/ml
36) Aroclor 1254 (3)	8.001	4116803	271.300 ng/ml
37) Aroclor 1254 (4)	8.250	2840799	260.230 ng/ml
38) Aroclor 1254 (5)	8.582	3485309	309.842 ng/ml
39) Aroclor 1254 (6)	8.815	844236	239.351 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.147	1612495	153.165 ng/ml
42) Aroclor 1260 (2)	8.352	2535228	198.647 ng/ml
43) Aroclor 1260 (3)	8.582	3485309	262.821 ng/ml
44) Aroclor 1260 (4)	9.069	1478735	69.908 ng/ml
45) Aroclor 1260 (5)	9.327	875883	71.590 ng/ml
46) Aroclor 1260 (6)	9.893	261294	53.544 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten: 5-06

Handwritten: 69.059

Handwritten: 252.684

Handwritten: 65.014

Data Path : K:\DATA\0A15025\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 9:32
 Operator : MJB / KAK
 Sample : A9J0861-12
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:12:28 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

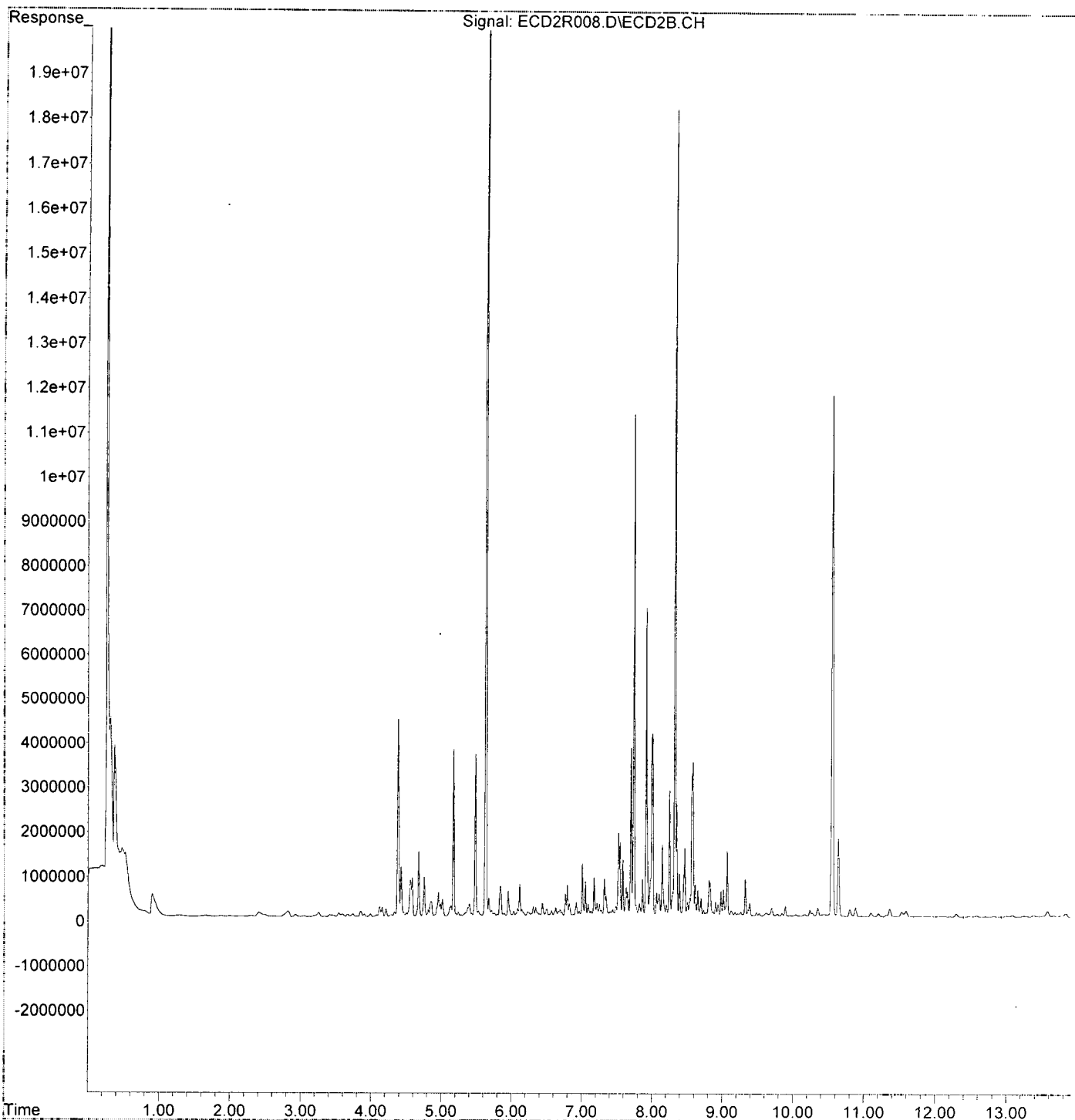
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.352	2535228	239.813 ng/ml
49) Aroclor 1262 (2)	8.653	606338	39.688 ng/ml
50) Aroclor 1262 (3)	8.830	782920	61.146 ng/ml
51) Aroclor 1262 (4)	9.069	1478735	53.724 ng/ml
52) Aroclor 1262 (5)	9.327	875883	53.344 ng/ml
53) Aroclor 1262 (6)	9.893	261294	36.288 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.872	128582	20.632 ng/ml
56) Aroclor 1268 (2)	9.327	875883	31.545 ng/ml
57) Aroclor 1268 (3)	9.391	325118	14.439 ng/ml
58) Aroclor 1268 (4)	9.626	107096	5.562 ng/ml
59) Aroclor 1268 (5)	9.893	261294	33.400 ng/ml
60) Aroclor 1268 (6)	10.242	172493	3.408 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 9:32
Operator : MJB / KAK
Sample : A9J0861-12
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:12:28 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 10:07
 Operator : MJB / KAK
 Sample : A9J0861-13
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:12:50 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/17/20

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.628	30604225	135.641 ng/ml
62) S DCBP (S)	10.551	17490169	157.252 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.301	7366	1.192 ng/ml
3) Aroclor 1016 (2)	6.789	20019	1.750 ng/ml
4) Aroclor 1016 (3)	6.918	12719	2.375 ng/ml
5) Aroclor 1016 (4)	7.004	22438	4.542 ng/ml
6) Aroclor 1016 (5)	7.048	18586	3.352 ng/ml
7) Aroclor 1016 (6)	7.173	18717	3.276 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.837	59322	34.142 ng/ml
10) Aroclor 1221 (2)	5.894	1887	1.099 ng/ml
11) Aroclor 1221 (3)	5.947	61017	10.692 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.947	61017	13.352 ng/ml
14) Aroclor 1232 (2)	6.301	7366	2.830 ng/ml
15) Aroclor 1232 (3)	6.789	20019	4.092 ng/ml
16) Aroclor 1232 (4)	7.004	22438	13.263 ng/ml
17) Aroclor 1232 (5)	7.048	18586	8.932 ng/ml
18) Aroclor 1232 (6)	7.173	18717	8.626 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.301	7366	1.620 ng/ml
21) Aroclor 1242 (2)	6.789	20019	2.269 ng/ml
22) Aroclor 1242 (3)	6.918	12719	3.321 ng/ml
23) Aroclor 1242 (4)	7.004	22438	6.792 ng/ml
24) Aroclor 1242 (5)	7.048	18586	4.654 ng/ml
25) Aroclor 1242 (6)	7.173	18717	4.488 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.761	15948	3.090 ng/ml
28) Aroclor 1248 (2)	7.004	22438	3.528 ng/ml
29) Aroclor 1248 (3)	7.048	18586	3.131 ng/ml
30) Aroclor 1248 (4)	7.173	18717	2.565 ng/ml
31) Aroclor 1248 (5)	7.540	40745	4.577 ng/ml
32) Aroclor 1248 (6)	7.693	95774	11.764 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.520	30551	3.605 ng/ml
35) Aroclor 1254 (2)	7.693	95774	6.885 ng/ml
36) Aroclor 1254 (3)	7.994	730448	48.137 ng/ml
37) Aroclor 1254 (4)	8.264	37214	3.409 ng/ml
38) Aroclor 1254 (5)	8.582	46121	4.100 ng/ml
39) Aroclor 1254 (6)	8.800	20594	5.839 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.157	63859	6.066 ng/ml
42) Aroclor 1260 (2)	8.349	66750	5.230 ng/ml
43) Aroclor 1260 (3)	8.582	46121	3.478 ng/ml
44) Aroclor 1260 (4)	9.065	47998	2.269 ng/ml
45) Aroclor 1260 (5)	9.324	38636	3.158 ng/ml
46) Aroclor 1260 (6)	9.890	20780	4.258 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 10:07
 Operator : MJB / KAK
 Sample : A9J0861-13
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:12:50 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

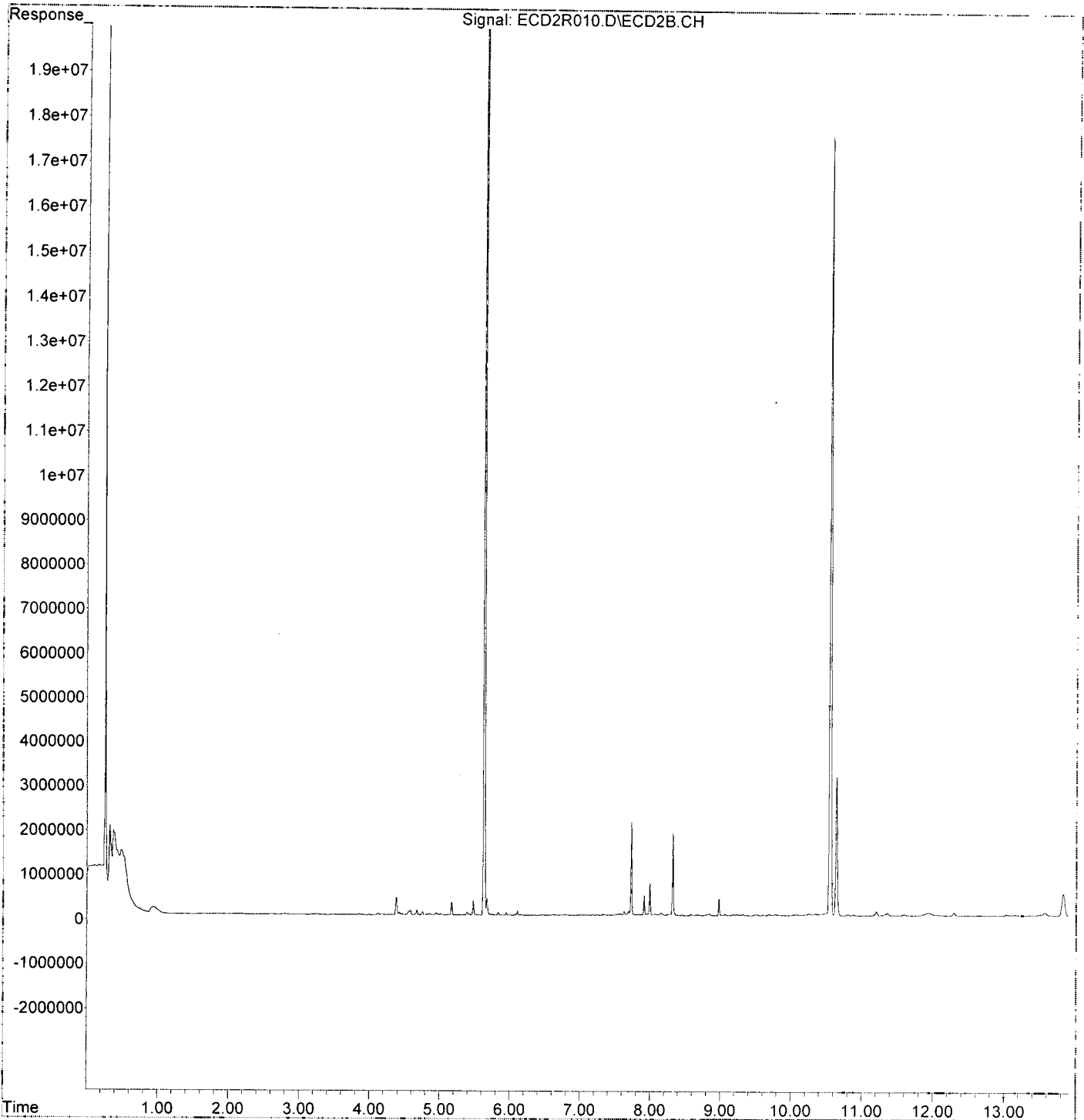
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	8.349	66750	6.314 ng/ml
49)	Aroclor 1262 (2)	8.651	27914	1.827 ng/ml
50)	Aroclor 1262 (3)	8.845	41437	3.236 ng/ml
51)	Aroclor 1262 (4)	9.065	47998	1.744 ng/ml
52)	Aroclor 1262 (5)	9.324	38636	2.353 ng/ml
53)	Aroclor 1262 (6)	9.890	20780	2.886 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.845	41437	6.649 ng/ml
56)	Aroclor 1268 (2)	9.324	38636	1.391 ng/ml
57)	Aroclor 1268 (3)	9.388	12489	0.555 ng/ml
58)	Aroclor 1268 (4)	9.604	27310	1.418 ng/ml
59)	Aroclor 1268 (5)	9.890	20780	2.656 ng/ml
60)	Aroclor 1268 (6)	10.244	49592	0.980 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 10:07
Operator : MJB / KAK
Sample : A9J0861-13
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:12:50 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 10:42
 Operator : MJB / KAK
 Sample : A9J0861-14
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/17/20

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.629	34141671	151.320 ng/ml
62) S DCBP (S)	10.551	23910572	214.977 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	12374	2.002 ng/ml
3) Aroclor 1016 (2)	6.782	15629	1.366 ng/ml
4) Aroclor 1016 (3)	6.918	15267	2.850 ng/ml
5) Aroclor 1016 (4)	6.997	16398	3.319 ng/ml
6) Aroclor 1016 (5)	7.049	15158	2.733 ng/ml
7) Aroclor 1016 (6)	7.183	17820	3.119 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.815	13714	7.893 ng/ml
10) Aroclor 1221 (2)	5.879	12752	7.427 ng/ml
11) Aroclor 1221 (3)	5.947	51984	9.109 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.947	51984	11.375 ng/ml
14) Aroclor 1232 (2)	6.300	12374	4.754 ng/ml
15) Aroclor 1232 (3)	6.782	15629	3.195 ng/ml
16) Aroclor 1232 (4)	6.997	16398	9.693 ng/ml
17) Aroclor 1232 (5)	7.049	15158	7.284 ng/ml
18) Aroclor 1232 (6)	7.183	17820	8.213 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.300	12374	2.722 ng/ml
21) Aroclor 1242 (2)	6.782	15629	1.771 ng/ml
22) Aroclor 1242 (3)	6.918	15267	3.986 ng/ml
23) Aroclor 1242 (4)	6.997	16398	4.964 ng/ml
24) Aroclor 1242 (5)	7.049	15158	3.795 ng/ml
25) Aroclor 1242 (6)	7.183	17820	4.273 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.767	15764	3.054 ng/ml
28) Aroclor 1248 (2)	6.997	16398	2.579 ng/ml
29) Aroclor 1248 (3)	7.049	15158	2.554 ng/ml
30) Aroclor 1248 (4)	7.183	17820	2.443 ng/ml
31) Aroclor 1248 (5)	7.562	31315	3.518 ng/ml
32) Aroclor 1248 (6)	7.687	46009	5.651 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.514	16956	2.001 ng/ml
35) Aroclor 1254 (2)	7.687	46009	3.308 ng/ml
36) Aroclor 1254 (3)	7.995	27032	1.781 ng/ml
37) Aroclor 1254 (4)	8.245	18664	1.710 ng/ml
38) Aroclor 1254 (5)	8.582	13853	1.231 ng/ml
39) Aroclor 1254 (6)	8.806	9814	2.782 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.142	21145	2.008 ng/ml
42) Aroclor 1260 (2)	8.349	15848	1.242 ng/ml
43) Aroclor 1260 (3)	8.582	13853	1.045 ng/ml
44) Aroclor 1260 (4)	9.068	5769	0.273 ng/ml
45) Aroclor 1260 (5)	9.317	10916	0.892 ng/ml
46) Aroclor 1260 (6)	9.897	5552	1.138 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 10:42
 Operator : MJB / KAK
 Sample : A9J0861-14
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:12 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

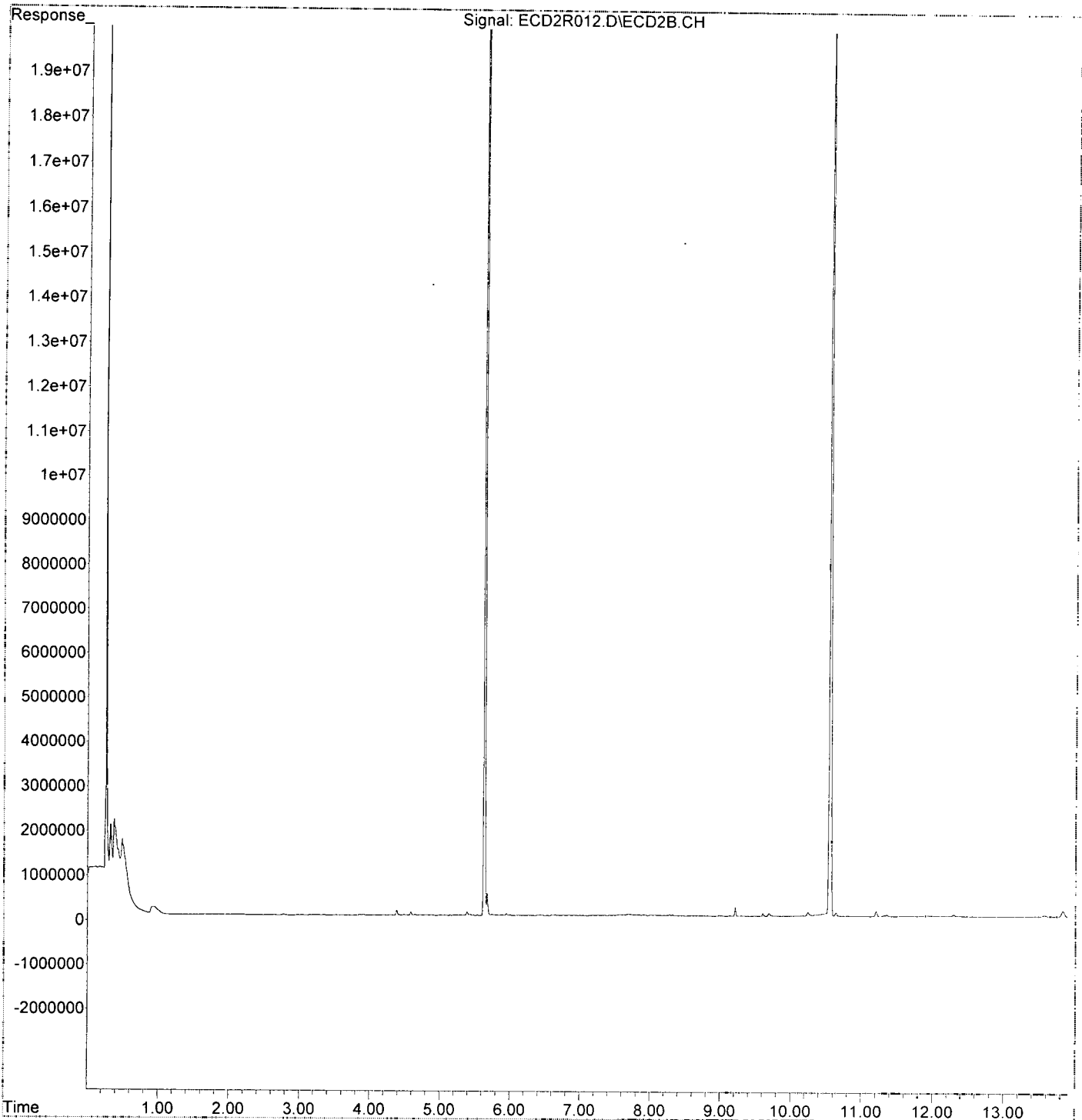
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	15848	1.499 ng/ml
49) Aroclor 1262 (2)	8.653	11716	0.767 ng/ml
50) Aroclor 1262 (3)	8.828	8701	0.680 ng/ml
51) Aroclor 1262 (4)	9.068	5769	0.210 ng/ml
52) Aroclor 1262 (5)	9.317	10916	0.665 ng/ml
53) Aroclor 1262 (6)	9.897	5552	0.771 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.848	10093	1.620 ng/ml
56) Aroclor 1268 (2)	9.317	10916	0.393 ng/ml
57) Aroclor 1268 (3)	9.387	3837	0.170 ng/ml
58) Aroclor 1268 (4)	9.603	66158	3.436 ng/ml
59) Aroclor 1268 (5)	9.897	5552	0.710 ng/ml
60) Aroclor 1268 (6)	10.241	94775	1.872 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 10:42
Operator : MJB / KAK
Sample : A9J0861-14
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:13:12 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 11:18
 Operator : MJB / KAK
 Sample : A9J0861-31⁸⁵
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:34 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/17/20
 1280

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.635	6579934	29.163 ng/ml
62) S DCBP (S)	10.558	4632510	41.650 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.306	21371	3.457 ng/ml
3) Aroclor 1016 (2)	6.796	56405	4.930 ng/ml
4) Aroclor 1016 (3)	6.927	46149	8.615 ng/ml
5) Aroclor 1016 (4)	7.010	102574	20.761 ng/ml
6) Aroclor 1016 (5)	7.056	69089	12.458 ng/ml
7) Aroclor 1016 (6)	7.162	206222	36.100 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.797	16564	9.533 ng/ml
10) Aroclor 1221 (2)	5.909	10690	6.226 ng/ml
11) Aroclor 1221 (3)	5.942	58518	10.254 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.942	58518	12.805 ng/ml
14) Aroclor 1232 (2)	6.306	21371	8.211 ng/ml
15) Aroclor 1232 (3)	6.796	56405	11.530 ng/ml
16) Aroclor 1232 (4)	7.010	102574	60.629 ng/ml
17) Aroclor 1232 (5)	7.056	69089	33.202 ng/ml
18) Aroclor 1232 (6)	7.162	206222	95.048 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.306	21371	4.701 ng/ml
21) Aroclor 1242 (2)	6.796	56405	6.393 ng/ml
22) Aroclor 1242 (3)	6.927	46149	12.049 ng/ml
23) Aroclor 1242 (4)	7.010	102574	31.049 ng/ml
24) Aroclor 1242 (5)	7.056	69089	17.298 ng/ml
25) Aroclor 1242 (6)	7.162	206222	49.444 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.768	32437	6.284 ng/ml
28) Aroclor 1248 (2)	7.010	102574	16.130 ng/ml
29) Aroclor 1248 (3)	7.056	69089	11.639 ng/ml
30) Aroclor 1248 (4)	7.162	206222	28.267 ng/ml
31) Aroclor 1248 (5)	7.534	277080	31.127 ng/ml
32) Aroclor 1248 (6)	7.697	1748747	214.802 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.525	279853	33.025 ng/ml
35) Aroclor 1254 (2)	7.697	1748747	125.720 ng/ml
36) Aroclor 1254 (3)	8.001	10434060	687.612 ng/ml
37) Aroclor 1254 (4)	8.253	368870	33.790 ng/ml
38) Aroclor 1254 (5)	8.587	986225	87.675 ng/ml
39) Aroclor 1254 (6)	8.833	498628	141.367 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.151	644771	61.244 ng/ml
42) Aroclor 1260 (2)	8.354	1032506	80.902 ng/ml
43) Aroclor 1260 (3)	8.587	986225	74.369 ng/ml
44) Aroclor 1260 (4)	9.072	1117694	52.840 ng/ml
45) Aroclor 1260 (5)	9.330	745013	60.893 ng/ml
46) Aroclor 1260 (6)	9.897	243514	49.901 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

R-02

63.358

Data Path : K:\DATA\0A15025\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 11:18
 Operator : MJB / KAK
 Sample : A9J0861-31@5
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:34 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

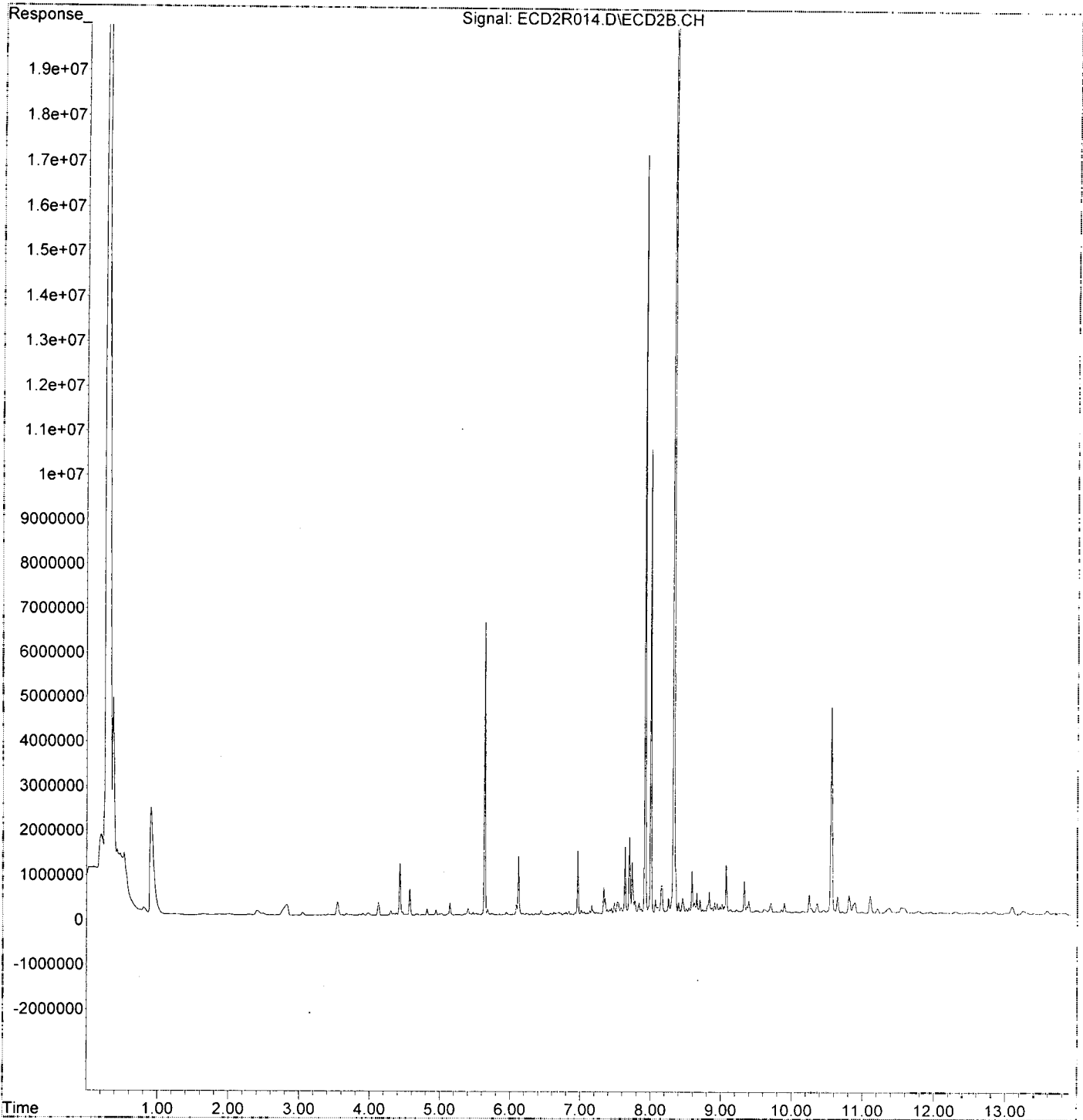
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.354	1032506	97.667 ng/ml
49) Aroclor 1262 (2)	8.656	480469	31.449 ng/ml
50) Aroclor 1262 (3)	8.833	498628	38.943 ng/ml
51) Aroclor 1262 (4)	9.072	1117694	40.607 ng/ml
52) Aroclor 1262 (5)	9.330	745013	45.373 ng/ml
53) Aroclor 1262 (6)	9.897	243514	33.819 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.874	147101	23.604 ng/ml
56) Aroclor 1268 (2)	9.330	745013	26.831 ng/ml
57) Aroclor 1268 (3)	9.394	296172	13.154 ng/ml
58) Aroclor 1268 (4)	9.610	98409	5.111 ng/ml
59) Aroclor 1268 (5)	9.897	243514	31.127 ng/ml
60) Aroclor 1268 (6)	10.247	425169	8.400 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 11:18
 Operator : MJB / KAK
 Sample : A9J0861-31@5
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:34 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 11:53
 Operator : MJB / KAK
 Sample : 0A15025-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/17/20

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.630	54794453	242.855 ng/ml
62) S DCBP (S)	10.552	27255967	245.055 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	2604897	421.369 ng/ml
3) Aroclor 1016 (2)	6.790	5019566	438.721 ng/ml
4) Aroclor 1016 (3)	6.916	2305795	430.466 ng/ml
5) Aroclor 1016 (4)	7.003	1952094	395.100 ng/ml
6) Aroclor 1016 (5)	7.048	2276588	410.528 ng/ml
7) Aroclor 1016 (6)	7.173	2275278	398.293 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.806	181722	104.587 ng/ml
10) Aroclor 1221 (2)	5.878	365661	212.968 ng/ml
11) Aroclor 1221 (3)	5.965	1772419	310.569 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.965	1772419	387.838 ng/ml
14) Aroclor 1232 (2)	6.300	2604897	1000.831 ng/ml
15) Aroclor 1232 (3)	6.790	5019566	1026.085 ng/ml
16) Aroclor 1232 (4)	7.003	1952094	1153.831 ng/ml
17) Aroclor 1232 (5)	7.048	2276588	1094.069 ng/ml
18) Aroclor 1232 (6)	7.173	2275278	1048.672 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.300	2604897	572.967 ng/ml
21) Aroclor 1242 (2)	6.790	5019566	568.954 ng/ml
22) Aroclor 1242 (3)	6.916	2305795	602.009 ng/ml
23) Aroclor 1242 (4)	7.003	1952094	590.901 ng/ml
24) Aroclor 1242 (5)	7.048	2276588	570.012 ng/ml
25) Aroclor 1242 (6)	7.173	2275278	545.524 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.762	3818058	739.643 ng/ml
28) Aroclor 1248 (2)	7.003	1952094	306.964 ng/ml
29) Aroclor 1248 (3)	7.048	2276588	383.537 ng/ml
30) Aroclor 1248 (4)	7.173	2275278	311.874 ng/ml
31) Aroclor 1248 (5)	7.539	519570	58.367 ng/ml
32) Aroclor 1248 (6)	7.698	1785527	219.319 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.516	1575744	185.954 ng/ml
35) Aroclor 1254 (2)	7.698	1785527	128.364 ng/ml
36) Aroclor 1254 (3)	8.008	1119170	73.754 ng/ml
37) Aroclor 1254 (4)	8.247	728801	66.762 ng/ml
38) Aroclor 1254 (5)	8.583	6001231	533.506 ng/ml
39) Aroclor 1254 (6)	8.800	870804	246.884 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	4268741	405.471 ng/ml
42) Aroclor 1260 (2)	8.350	5510015	431.736 ng/ml
43) Aroclor 1260 (3)	8.583	6001231	452.542 ng/ml
44) Aroclor 1260 (4)	9.067	10257863	484.949 ng/ml
45) Aroclor 1260 (5)	9.325	5934163	485.026 ng/ml
46) Aroclor 1260 (6)	9.892	2195572	449.916 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 11:53
 Operator : MJB / KAK
 Sample : 0A15025-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:13:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

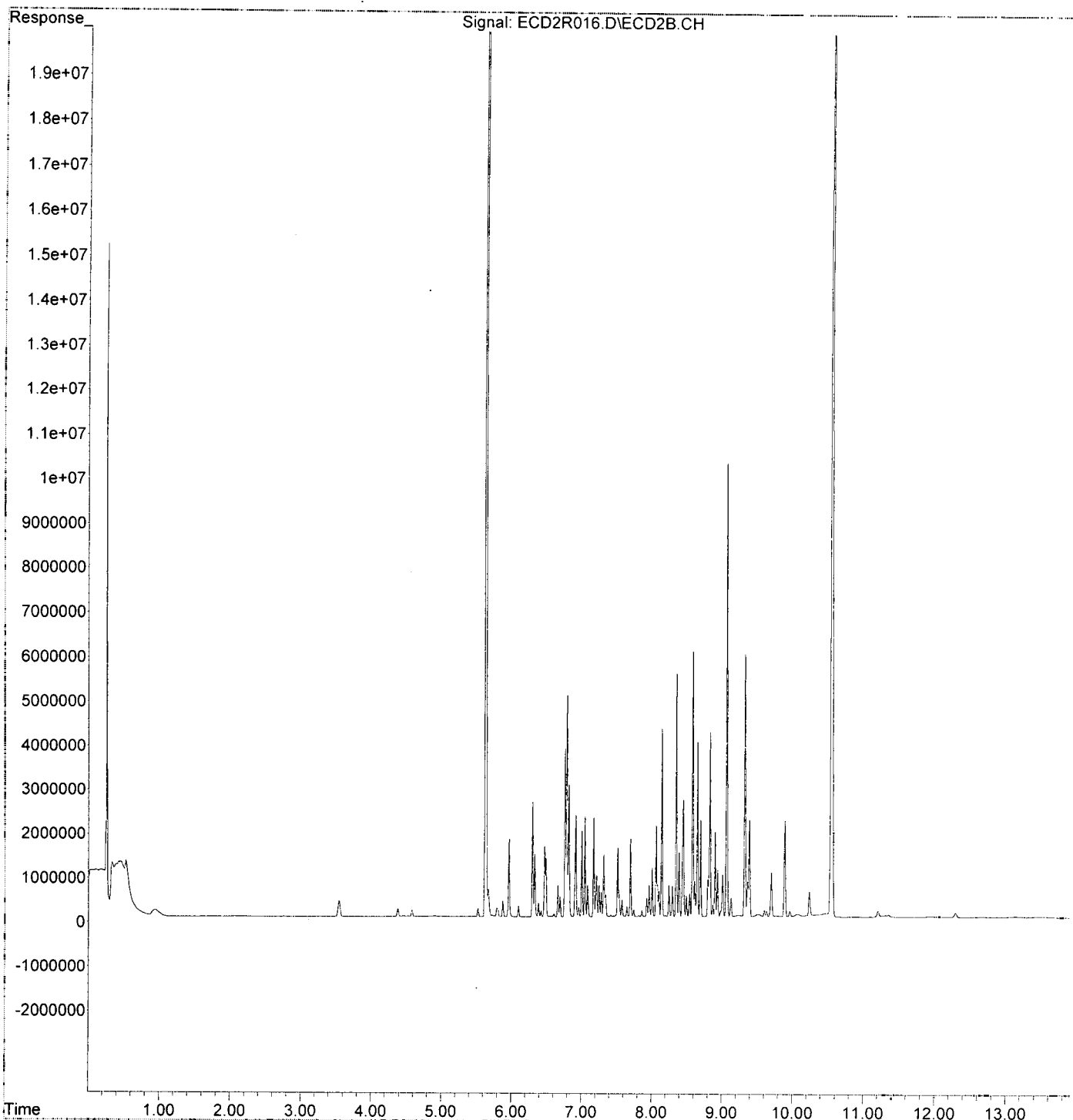
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.350	5510015	521.204 ng/ml
49) Aroclor 1262 (2)	8.651	3975913	260.246 ng/ml
50) Aroclor 1262 (3)	8.829	4197183	327.797 ng/ml
51) Aroclor 1262 (4)	9.067	10257863	372.680 ng/ml
52) Aroclor 1262 (5)	9.325	5934163	361.408 ng/ml
53) Aroclor 1262 (6)	9.892	2195572	304.918 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	288493	46.291 ng/ml
56) Aroclor 1268 (2)	9.325	5934163	213.716 ng/ml
57) Aroclor 1268 (3)	9.389	2221929	98.681 ng/ml
58) Aroclor 1268 (4)	9.604	158821	8.249 ng/ml
59) Aroclor 1268 (5)	9.892	2195572	280.649 ng/ml
60) Aroclor 1268 (6)	10.240	593560	11.727 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 11:53
Operator : MJB / KAK
Sample : 0A15025-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:13:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 12:11
 Operator : MJB / KAK
 Sample : 0A15025-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:14:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/17/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.629	20157315	89.340 ng/ml
62) S DCBP (S)	10.552	10265967	92.300 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.299	660	0.107 ng/ml
3) Aroclor 1016 (2)	6.793	3860	0.337 ng/ml
4) Aroclor 1016 (3)	6.919	4218	0.788 ng/ml
5) Aroclor 1016 (4)	7.001	4879	0.988 ng/ml
6) Aroclor 1016 (5)	7.047	5109	0.921 ng/ml
7) Aroclor 1016 (6)	7.173	5933	1.039 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.804	10632	6.119 ng/ml
10) Aroclor 1221 (2)	5.871	4278	2.492 ng/ml
11) Aroclor 1221 (3)	5.948	31329	5.490 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.948	31329	6.855 ng/ml
14) Aroclor 1232 (2)	6.299	660	0.254 ng/ml
15) Aroclor 1232 (3)	6.793	3860	0.789 ng/ml
16) Aroclor 1232 (4)	7.001	4879	2.884 ng/ml
17) Aroclor 1232 (5)	7.047	5109	2.455 ng/ml
18) Aroclor 1232 (6)	7.173	5933	2.734 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.299	660	0.145 ng/ml
21) Aroclor 1242 (2)	6.793	3860	0.438 ng/ml
22) Aroclor 1242 (3)	6.919	4218	1.101 ng/ml
23) Aroclor 1242 (4)	7.001	4879	1.477 ng/ml
24) Aroclor 1242 (5)	7.047	5109	1.279 ng/ml
25) Aroclor 1242 (6)	7.173	5933	1.422 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.758	4964	0.962 ng/ml
28) Aroclor 1248 (2)	7.001	4879	0.767 ng/ml
29) Aroclor 1248 (3)	7.047	5109	0.861 ng/ml
30) Aroclor 1248 (4)	7.173	5933	0.813 ng/ml
31) Aroclor 1248 (5)	7.561	23894	2.684 ng/ml
32) Aroclor 1248 (6)	7.700	33835	4.156 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.510	9493	1.120 ng/ml
35) Aroclor 1254 (2)	7.700	33835	2.432 ng/ml
36) Aroclor 1254 (3)	8.006	12515	0.825 ng/ml
37) Aroclor 1254 (4)	8.228	7513	0.688 ng/ml
38) Aroclor 1254 (5)	8.585	7564	0.672 ng/ml
39) Aroclor 1254 (6)	8.801	10197	2.891 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	9969	0.947 ng/ml
42) Aroclor 1260 (2)	8.355	8467	0.663 ng/ml
43) Aroclor 1260 (3)	8.585	7564	0.570 ng/ml
44) Aroclor 1260 (4)	9.069	3775	0.178 ng/ml
45) Aroclor 1260 (5)	9.325	3951	0.323 ng/ml
46) Aroclor 1260 (6)	9.895	13048	2.674 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 12:11
 Operator : MJB / KAK
 Sample : 0A15025-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:14:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

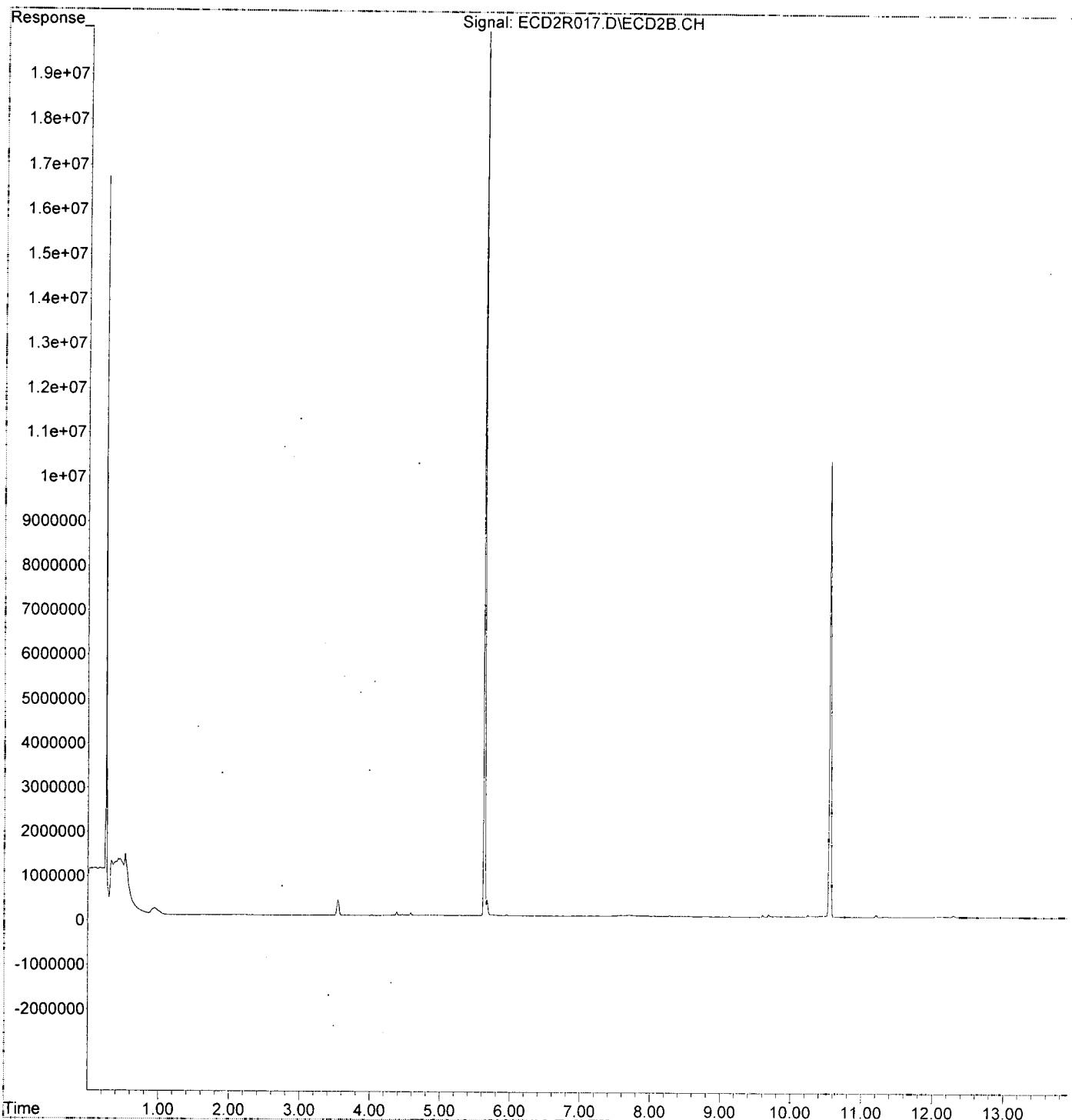
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.355	8467	0.801 ng/ml
49) Aroclor 1262 (2)	8.652	4165	0.273 ng/ml
50) Aroclor 1262 (3)	8.801	10197	0.796 ng/ml
51) Aroclor 1262 (4)	9.061	3609	0.131 ng/ml
52) Aroclor 1262 (5)	9.325	3951	0.241 ng/ml
53) Aroclor 1262 (6)	9.885	12628	1.754 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.871	4884	0.784 ng/ml
56) Aroclor 1268 (2)	9.325	3951	0.142 ng/ml
57) Aroclor 1268 (3)	9.388	5115	0.227 ng/ml
58) Aroclor 1268 (4)	9.604	50576	2.627 ng/ml
59) Aroclor 1268 (5)	9.885	12628	1.614 ng/ml
60) Aroclor 1268 (6)	10.243	46965	0.928 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 12:11
Operator : MJB / KAK
Sample : 0A15025-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:14:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R026.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 15:03
 Operator : MJB / KAK
 Sample : 0010092-MSD1
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:17:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/17/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.630	30921900	137.049 ng/ml
62) S DCBP (S)	10.556	17184575	154.505 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.302	3239219	523.977 ng/ml
3) Aroclor 1016 (2)	6.791	7057935	616.879 ng/ml
4) Aroclor 1016 (3)	6.918	2793503	521.516 ng/ml
5) Aroclor 1016 (4)	7.004	2515497	509.132 ng/ml
6) Aroclor 1016 (5)	7.050	3126967	563.873 ng/ml
7) Aroclor 1016 (6)	7.175	2868043	502.058 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.806	215957	124.290 ng/ml
10) Aroclor 1221 (2)	5.878	435180	253.457 ng/ml
11) Aroclor 1221 (3)	5.965	2256117	395.324 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.965	2256117	493.680 ng/ml
14) Aroclor 1232 (2)	6.302	3239219	1244.545 ng/ml
15) Aroclor 1232 (3)	6.791	7057935	1442.762 ng/ml
16) Aroclor 1232 (4)	7.004	2515497	1486.843 ng/ml
17) Aroclor 1232 (5)	7.050	3126967	1502.739 ng/ml
18) Aroclor 1232 (6)	7.175	2868043	1321.877 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.302	3239219	712.491 ng/ml
21) Aroclor 1242 (2)	6.791	7057935	799.997 ng/ml
22) Aroclor 1242 (3)	6.918	2793503	729.342 ng/ml
23) Aroclor 1242 (4)	7.004	2515497	761.443 ng/ml
24) Aroclor 1242 (5)	7.050	3126967	782.930 ng/ml
25) Aroclor 1242 (6)	7.175	2868043	687.646 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.763	5302070	1027.129 ng/ml
28) Aroclor 1248 (2)	7.004	2515497	395.559 ng/ml
29) Aroclor 1248 (3)	7.050	3126967	526.800 ng/ml
30) Aroclor 1248 (4)	7.175	2868043	393.124 ng/ml
31) Aroclor 1248 (5)	7.541	653951	73.463 ng/ml
32) Aroclor 1248 (6)	7.699	2447685	300.654 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.518	2059376	243.027 ng/ml
35) Aroclor 1254 (2)	7.699	2447685	175.968 ng/ml
36) Aroclor 1254 (3)	8.009	1375600	90.653 ng/ml
37) Aroclor 1254 (4)	8.249	917471	84.045 ng/ml
38) Aroclor 1254 (5)	8.585	8014327	712.469 ng/ml
39) Aroclor 1254 (6)	8.802	1175699	333.325 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.145	6150783	584.239 ng/ml
42) Aroclor 1260 (2)	8.353	8027313	628.978 ng/ml
43) Aroclor 1260 (3)	8.585	8014327	604.346 ng/ml
44) Aroclor 1260 (4)	9.070	15000664	709.168 ng/ml
45) Aroclor 1260 (5)	9.328	7710441	630.209 ng/ml
46) Aroclor 1260 (6)	9.895	3014475	617.726 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Q-01

Q-01

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A15025\
 Data File : ECD2R026.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 15:03
 Operator : MJB / KAK
 Sample : 0010092-MSD1
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:17:20 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

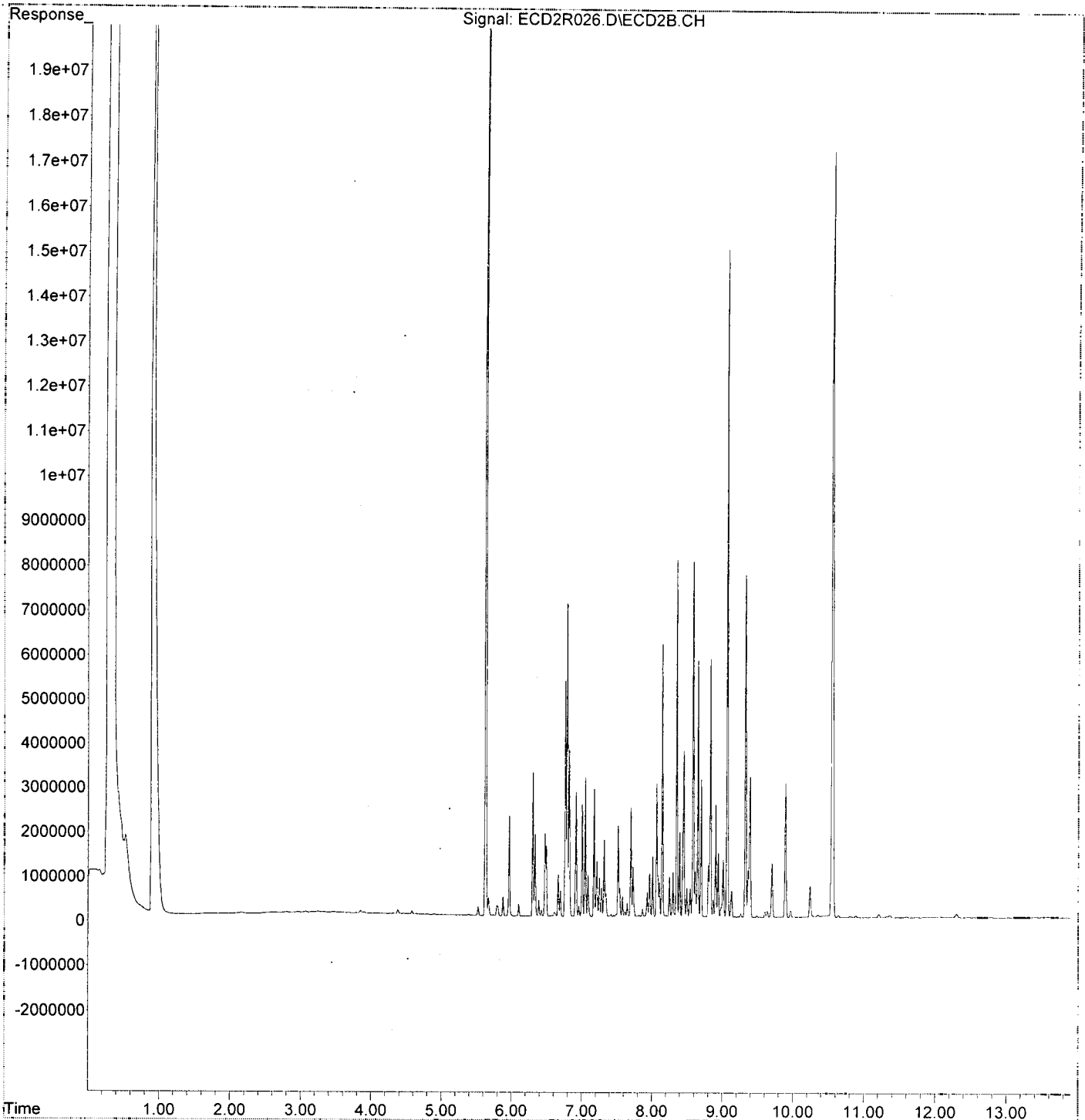
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.353	8027313	759.321 ng/ml
49) Aroclor 1262 (2)	8.653	5789707	378.969 ng/ml
50) Aroclor 1262 (3)	8.832	5820179	454.552 ng/ml
51) Aroclor 1262 (4)	9.070	15000664	544.991 ng/ml
52) Aroclor 1262 (5)	9.328	7710441	469.589 ng/ml
53) Aroclor 1262 (6)	9.895	3014475	418.646 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.872	404238	64.863 ng/ml
56) Aroclor 1268 (2)	9.328	7710441	277.688 ng/ml
57) Aroclor 1268 (3)	9.392	3163508	140.499 ng/ml
58) Aroclor 1268 (4)	9.607	138576	7.198 ng/ml
59) Aroclor 1268 (5)	9.895	3014475	385.326 ng/ml
60) Aroclor 1268 (6)	10.243	715543	14.137 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R026.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 15:03
Operator : MJB / KAK
Sample : 0010092-MSD1
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e.
Quant Time: Jan 16 10:17:20 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R028.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 15:38
 Operator : MJB / KAK
 Sample : 0A15025-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:14:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/17/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.630	52468569	232.547	ng/ml
62) S DCBP (S)	10.555	29893384	268.768	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.300	2774528	448.809	ng/ml
3) Aroclor 1016 (2)	6.790	5661959	494.868	ng/ml
4) Aroclor 1016 (3)	6.917	2559476	477.826	ng/ml
5) Aroclor 1016 (4)	7.004	2164756	438.142	ng/ml
6) Aroclor 1016 (5)	7.048	2489200	448.867	ng/ml
7) Aroclor 1016 (6)	7.174	2599236	455.003	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	203012	116.840	ng/ml
10) Aroclor 1221 (2)	5.878	403793	235.176	ng/ml
11) Aroclor 1221 (3)	5.965	1914854	335.526	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.965	1914854	419.005	ng/ml
14) Aroclor 1232 (2)	6.300	2774528	1066.005	ng/ml
15) Aroclor 1232 (3)	6.790	5661959	1157.401	ng/ml
16) Aroclor 1232 (4)	7.004	2164756	1279.530	ng/ml
17) Aroclor 1232 (5)	7.048	2489200	1196.245	ng/ml
18) Aroclor 1232 (6)	7.174	2599236	1197.984	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.300	2774528	610.278	ng/ml
21) Aroclor 1242 (2)	6.790	5661959	641.767	ng/ml
22) Aroclor 1242 (3)	6.917	2559476	668.241	ng/ml
23) Aroclor 1242 (4)	7.004	2164756	655.274	ng/ml
24) Aroclor 1242 (5)	7.048	2489200	623.246	ng/ml
25) Aroclor 1242 (6)	7.174	2599236	623.197	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.763	4111921	796.571	ng/ml
28) Aroclor 1248 (2)	7.004	2164756	340.405	ng/ml
29) Aroclor 1248 (3)	7.048	2489200	419.356	ng/ml
30) Aroclor 1248 (4)	7.174	2599236	356.279	ng/ml
31) Aroclor 1248 (5)	7.539	599457	67.341	ng/ml
32) Aroclor 1248 (6)	7.699	2107306	258.844	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.517	1757460	207.398	ng/ml
35) Aroclor 1254 (2)	7.699	2107306	151.498	ng/ml
36) Aroclor 1254 (3)	8.009	1248571	82.282	ng/ml
37) Aroclor 1254 (4)	8.249	846333	77.528	ng/ml
38) Aroclor 1254 (5)	8.584	6424021	571.092	ng/ml
39) Aroclor 1254 (6)	8.802	953635	270.367	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.145	4998494	474.787	ng/ml
42) Aroclor 1260 (2)	8.352	6192360	485.201	ng/ml
43) Aroclor 1260 (3)	8.584	6424021	484.424	ng/ml
44) Aroclor 1260 (4)	9.069	11145243	526.900	ng/ml
45) Aroclor 1260 (5)	9.327	6374798	521.041	ng/ml
46) Aroclor 1260 (6)	9.893	2504235	513.167	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R028.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 15:38
 Operator : MJB / KAK
 Sample : 0A15025-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:14:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

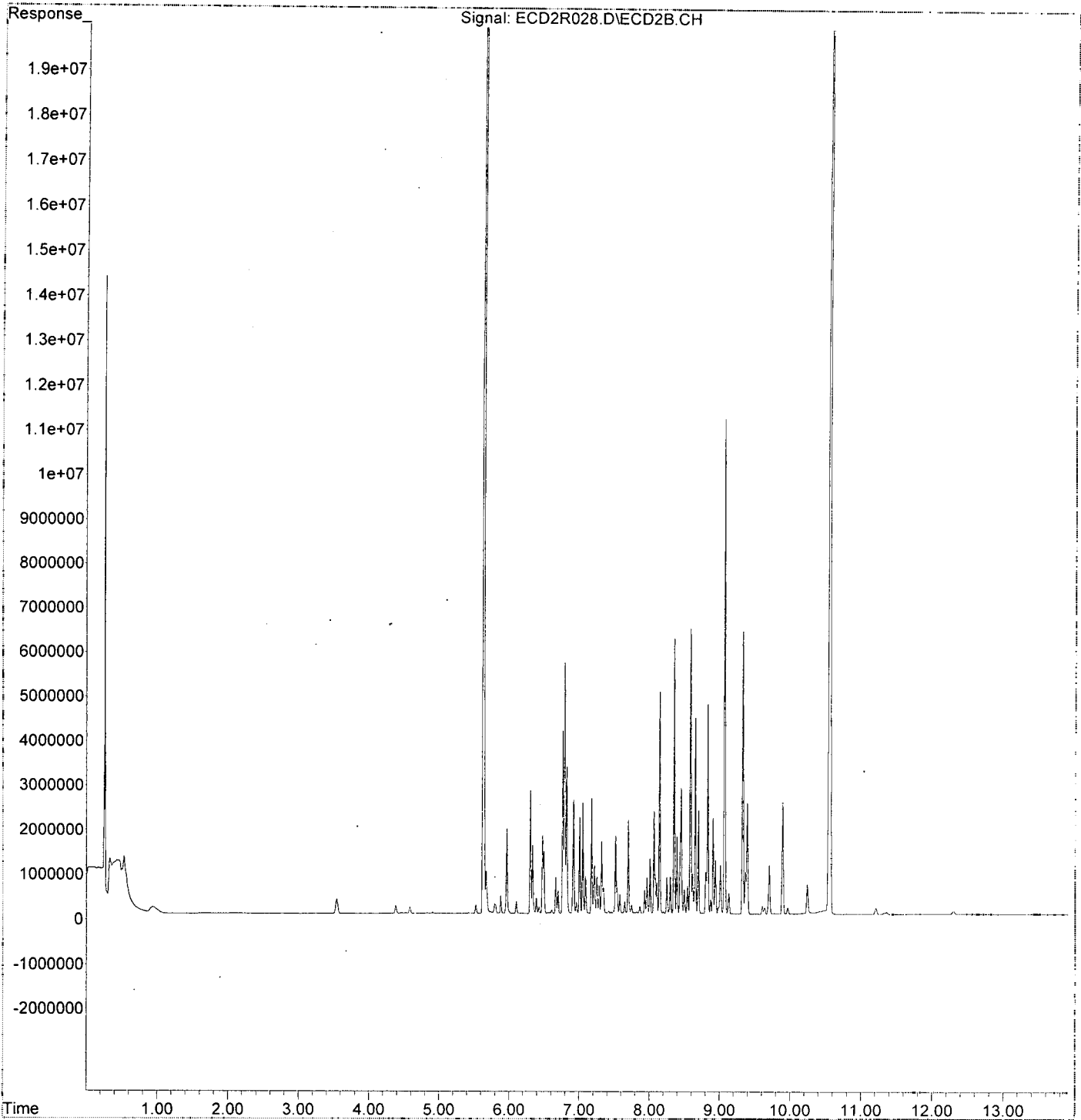
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.352	6192360	585.749 ng/ml
49) Aroclor 1262 (2)	8.653	4424386	289.601 ng/ml
50) Aroclor 1262 (3)	8.830	4729218	369.349 ng/ml
51) Aroclor 1262 (4)	9.069	11145243	404.919 ng/ml
52) Aroclor 1262 (5)	9.327	6374798	388.244 ng/ml
53) Aroclor 1262 (6)	9.893	2504235	347.785 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.871	331851	53.248 ng/ml
56) Aroclor 1268 (2)	9.327	6374798	229.586 ng/ml
57) Aroclor 1268 (3)	9.391	2503535	111.188 ng/ml
58) Aroclor 1268 (4)	9.607	186104	9.666 ng/ml
59) Aroclor 1268 (5)	9.893	2504235	320.104 ng/ml
60) Aroclor 1268 (6)	10.243	686156	13.556 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R028.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 15:38
Operator : MJB / KAK
Sample : 0A15025-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:14:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A15025\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 15:55
 Operator : MJB / KAK
 Sample : 0A15025-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:17:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/17/20
[Handwritten "Clean"]

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	20100708	89.089 ng/ml
62) S DCBP (S)	10.555	11594440	104.244 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.302	5342	0.864 ng/ml
3) Aroclor 1016 (2)	6.793	9909	0.866 ng/ml
4) Aroclor 1016 (3)	6.918	10371	1.936 ng/ml
5) Aroclor 1016 (4)	7.004	11631	2.354 ng/ml
6) Aroclor 1016 (5)	7.046	11244	2.028 ng/ml
7) Aroclor 1016 (6)	7.168	12452	2.180 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.846f	6966	4.009 ng/ml
10) Aroclor 1221 (2)	5.872	5989	3.488 ng/ml
11) Aroclor 1221 (3)	5.949	36438	6.385 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.949	36438	7.973 ng/ml
14) Aroclor 1232 (2)	6.302	5342	2.053 ng/ml
15) Aroclor 1232 (3)	6.793	9909	2.025 ng/ml
16) Aroclor 1232 (4)	7.004	11631	6.875 ng/ml
17) Aroclor 1232 (5)	7.046	11244	5.403 ng/ml
18) Aroclor 1232 (6)	7.168	12452	5.739 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.302	5342	1.175 ng/ml
21) Aroclor 1242 (2)	6.793	9909	1.123 ng/ml
22) Aroclor 1242 (3)	6.918	10371	2.708 ng/ml
23) Aroclor 1242 (4)	7.004	11631	3.521 ng/ml
24) Aroclor 1242 (5)	7.046	11244	2.815 ng/ml
25) Aroclor 1242 (6)	7.168	12452	2.985 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.761	8942	1.732 ng/ml
28) Aroclor 1248 (2)	7.004	11631	1.829 ng/ml
29) Aroclor 1248 (3)	7.046	11244	1.894 ng/ml
30) Aroclor 1248 (4)	7.168	12452	1.707 ng/ml
31) Aroclor 1248 (5)	7.501f	15483	1.739 ng/ml
32) Aroclor 1248 (6)	7.698	39341	4.832 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.501	15483	1.827 ng/ml
35) Aroclor 1254 (2)	7.698	39341	2.828 ng/ml
36) Aroclor 1254 (3)	8.009	21616	1.425 ng/ml
37) Aroclor 1254 (4)	8.247	16943	1.552 ng/ml
38) Aroclor 1254 (5)	8.582	12709	1.130 ng/ml
39) Aroclor 1254 (6)	8.803	7440	2.109 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	19304	1.834 ng/ml
42) Aroclor 1260 (2)	8.348	15835	1.241 ng/ml
43) Aroclor 1260 (3)	8.582	12709	0.958 ng/ml
44) Aroclor 1260 (4)	9.066	4546	0.215 ng/ml
45) Aroclor 1260 (5)	9.327	3856	0.315 ng/ml
46) Aroclor 1260 (6)	9.895	5775	1.183 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A15025\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 15 Jan 2020 15:55
 Operator : MJB / KAK
 Sample : 0A15025-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 16 10:17:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

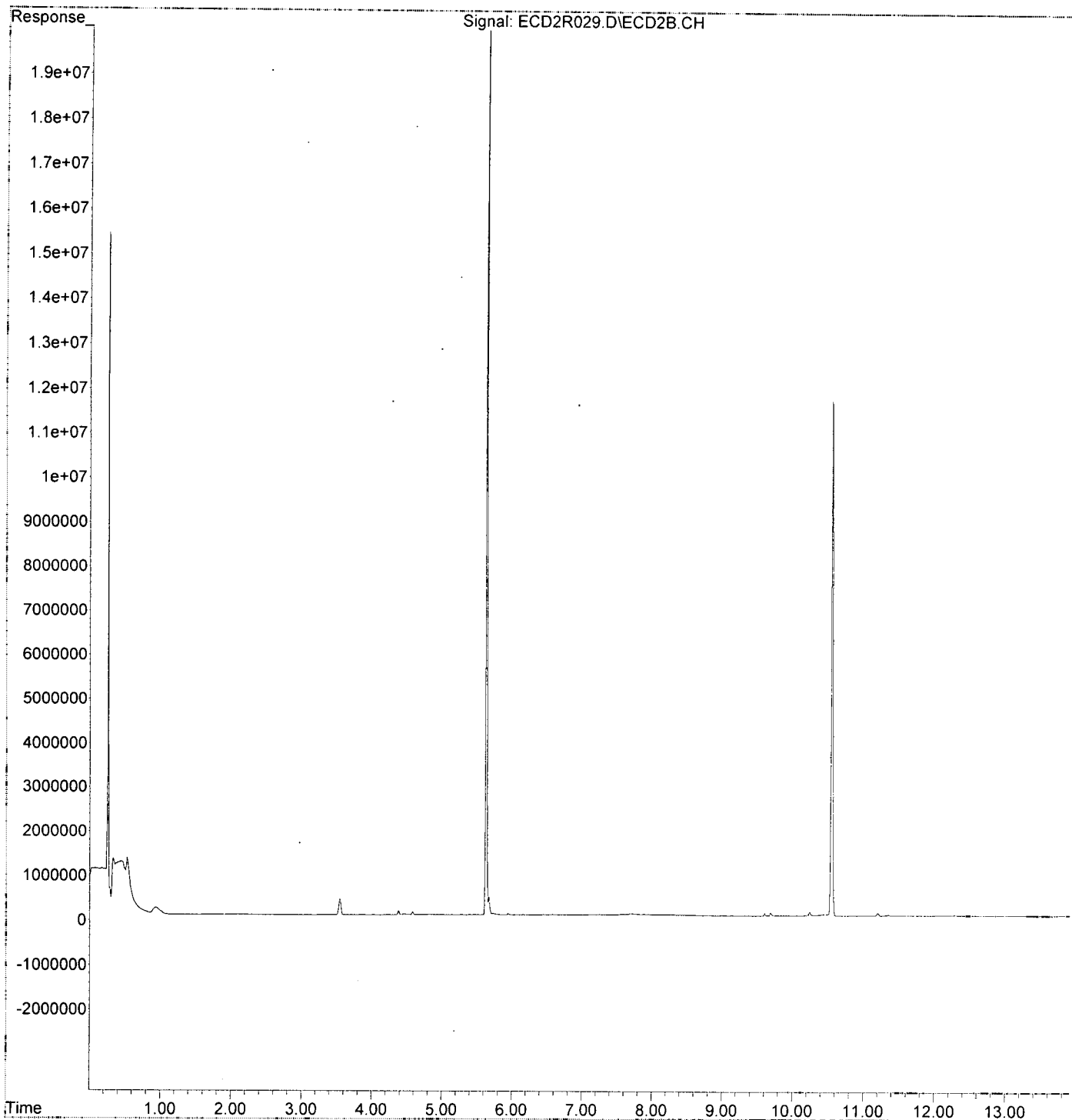
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.348	15835	1.498 ng/ml
49) Aroclor 1262 (2)	8.647	9340	0.611 ng/ml
50) Aroclor 1262 (3)	8.828	6477	0.506 ng/ml
51) Aroclor 1262 (4)	9.066	4546	0.165 ng/ml
52) Aroclor 1262 (5)	9.327	3856	0.235 ng/ml
53) Aroclor 1262 (6)	9.895	5775	0.802 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.865	5021	0.806 ng/ml
56) Aroclor 1268 (2)	9.327	3856	0.139 ng/ml
57) Aroclor 1268 (3)	9.389	3827	0.170 ng/ml
58) Aroclor 1268 (4)	9.606	62272	3.234 ng/ml
59) Aroclor 1268 (5)	9.895	5775	0.738 ng/ml
60) Aroclor 1268 (6)	10.243	85368	1.687 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A15025\
Data File : ECD2R029.D
Signal(s) : ECD2B.CH
Acq On : 15 Jan 2020 15:55
Operator : MJB / KAK
Sample : 0A15025-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 16 10:17:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 0A16014 (A9J0861-38)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A16014**

Instrument: **DUALECD2F**

Date: **01/16/20 07:29**

Calibration: **A9L0407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A16014-CCV1	Sediment	QC	QC				
2	0A16014-CCB1	Sediment	QC	QC				A19L338
3	0010436-BLK1	Sediment	QC	QC				A19L339
4	0010436-BS1	Sediment	QC	QC		0010436		
5	0010436-BSD1	Sediment	QC	QC		0010436		
6	A9J0514-31RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	12/27/19	0010436		
7	0A16014-IBL1	Sediment	QC	QC				
8	A9J0514-37RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	12/27/19	0010436		
9	0A16014-IBL2	Sediment	QC	QC				
10	0A16014-CCV2	Sediment	QC	QC				A19L338
11	0A16014-CCB2	Sediment	QC	QC				A19L339
12	A9J0558-12RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/02/20	0010436		
13	0A16014-IBL3	Sediment	QC	QC				
14	A9J0594-13RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/06/20	0010436		
15	0A16014-IBL4	Sediment	QC	QC				
16	A9J0594-14RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/06/20	0010436		
17	0A16014-IBL5	Sediment	QC	QC				
18	0A16014-CCV3	Sediment	QC	QC				A19L338
19	0A16014-CCB3	Sediment	QC	QC				A19L339
20	A9J0861-37	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
21	0A16014-IBL6	Sediment	QC	QC				
22	A9J0861-38	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
23	0A16014-IBL7	Sediment	QC	QC				
24	A9J0903-14	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
25	0A16014-IBL8	Sediment	QC	QC				
26	A9J0903-15	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
27	0A16014-IBL9	Sediment	QC	QC				
28	0A16014-CCV4	Sediment	QC	QC				A19L338
29	0A16014-CCB4	Sediment	QC	QC				A19L339

Data Entered By: *[Signature]*

Comments: *Complete*

Data Reviewed By: *[Signature]*

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.

0A16014-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	488.41
1016 (2)	564.14
1016 (3)	527.93
1016 (4)	529.52
1016 (5)	534.87
1016 (6)	560.79
Average:	534.28 ✓

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	548.70
1260 (2)	547.21
1260 (3)	521.42
1260 (4)	525.73
1260 (5)	537.07
1260 (6)	497.77
Average:	529.65 ✓

0010436-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	547.64
1016 (2)	719.08
1016 (3)	647.76
1016 (4)	742.61
1016 (5)	713.16
1016 (6)	712.71
Average:	680.49 ✓

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	913.22
1260 (2)	1,036.01
1260 (3)	993.89
1260 (4)	1,088.90
1260 (5)	1,038.79
1260 (6)	973.67
Average:	1,007.41 ✓

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.

0010436-BSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	720.21
1016 (2)	879.62
1016 (3)	789.57
1016 (4)	879.72
1016 (5)	778.60
1016 (6)	763.02
Average:	801.79

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	943.11
1260 (2)	1,087.29
1260 (3)	993.77
1260 (4)	1,079.79
1260 (5)	1,078.96
1260 (6)	1,012.16
Average:	1,032.51

0A16014-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	513.42
1016 (2)	549.95
1016 (3)	525.29
1016 (4)	541.64
1016 (5)	526.09
1016 (6)	552.02
Average:	534.74

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	525.15
1260 (2)	554.52
1260 (3)	496.90
1260 (4)	540.60
1260 (5)	538.37
1260 (6)	505.77
Average:	526.89

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.

0A16014-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	525.95
1016 (2)	586.34
1016 (3)	544.73
1016 (4)	560.91
1016 (5)	561.17
1016 (6)	554.17
Average:	555.55 ✓

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	557.01
1260 (2)	536.51
1260 (3)	517.04
1260 (4)	540.77
1260 (5)	557.20
1260 (6)	476.90
Average:	530.91 ✓

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.

0A16014-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	525.95
1016 (2)	586.34
1016 (3)	544.73
1016 (4)	560.91
1016 (5)	561.17
1016 (6)	554.17
Average:	555.55

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	557.01
1260 (2)	536.51
1260 (3)	517.04
1260 (4)	540.77
1260 (5)	557.20
1260 (6)	476.90
Average:	530.91

0A16014-CCV4

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	487.98
1016 (2)	551.98
1016 (3)	531.52
1016 (4)	550.73
1016 (5)	533.76
1016 (6)	558.50
Average:	535.75

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	536.92
1260 (2)	540.42
1260 (3)	510.48
1260 (4)	542.77
1260 (5)	513.09
1260 (6)	484.05
Average:	521.29

Data Path : K:\DATA\0A16014\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 7:56
 Operator : MJB / KAK
 Sample : 0A16014-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 08:14:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/16/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.815	18047868	271.039	ng/ml
62) S DCBP (S)	9.566	29075742	260.360	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.727	1825667	488.413	ng/ml
3) Aroclor 1016 (2)	6.140	4058359	564.138	ng/ml
4) Aroclor 1016 (3)	6.222	2097423	527.929	ng/ml
5) Aroclor 1016 (4)	6.377	1894267	529.516	ng/ml
6) Aroclor 1016 (5)	6.599	2220507	534.870	ng/ml
7) Aroclor 1016 (6)	6.725	1644938	560.794	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.165	182207	168.331	ng/ml
10) Aroclor 1221 (2)	5.285	196750	274.190	ng/ml
11) Aroclor 1221 (3)	5.365	855444	365.557	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.365	855444	481.622	ng/ml
14) Aroclor 1232 (2)	6.140	4058359	1459.745	ng/ml
15) Aroclor 1232 (3)	6.222	2097423	1429.794	ng/ml
16) Aroclor 1232 (4)	6.377	1894267	1662.564	ng/ml
17) Aroclor 1232 (5)	6.599	2220507	1546.336	ng/ml
18) Aroclor 1232 (6)	6.725	1644938	1372.931	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.727	1825667	687.368	ng/ml
21) Aroclor 1242 (2)	6.140	4058359	782.397	ng/ml
22) Aroclor 1242 (3)	6.222	2097423	743.722	ng/ml
23) Aroclor 1242 (4)	6.377	1894267	827.487	ng/ml
24) Aroclor 1242 (5)	6.599	2220507	743.962	ng/ml
25) Aroclor 1242 (6)	6.725	1644938	655.557	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.140	4058359	1192.479	ng/ml
28) Aroclor 1248 (2)	6.377	1894267	419.530	ng/ml
29) Aroclor 1248 (3)	6.599	2220507	425.477	ng/ml
30) Aroclor 1248 (4)	6.892	444025	76.488	ng/ml
31) Aroclor 1248 (5)	6.926	1498692	243.322	ng/ml
32) Aroclor 1248 (6)	7.412	3479458	1018.154	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.926	1498692	249.860	ng/ml
35) Aroclor 1254 (2)	7.036	1624438	222.905	ng/ml
36) Aroclor 1254 (3)	7.412	3479458	310.389	ng/ml
37) Aroclor 1254 (4)	7.571	459408	64.433	ng/ml
38) Aroclor 1254 (5)	7.952	4353092	568.364	ng/ml
39) Aroclor 1254 (6)	8.242	451974	181.232	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.524	4569496	548.705	ng/ml
42) Aroclor 1260 (2)	7.657	5582867	547.211	ng/ml
43) Aroclor 1260 (3)	8.213	4101017	521.416	ng/ml
44) Aroclor 1260 (4)	8.382	9788235	525.727	ng/ml
45) Aroclor 1260 (5)	8.681	6496390	537.070	ng/ml
46) Aroclor 1260 (6)	9.071	2545917	497.774	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 7:56
 Operator : MJB / KAK
 Sample : 0A16014-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 08:14:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

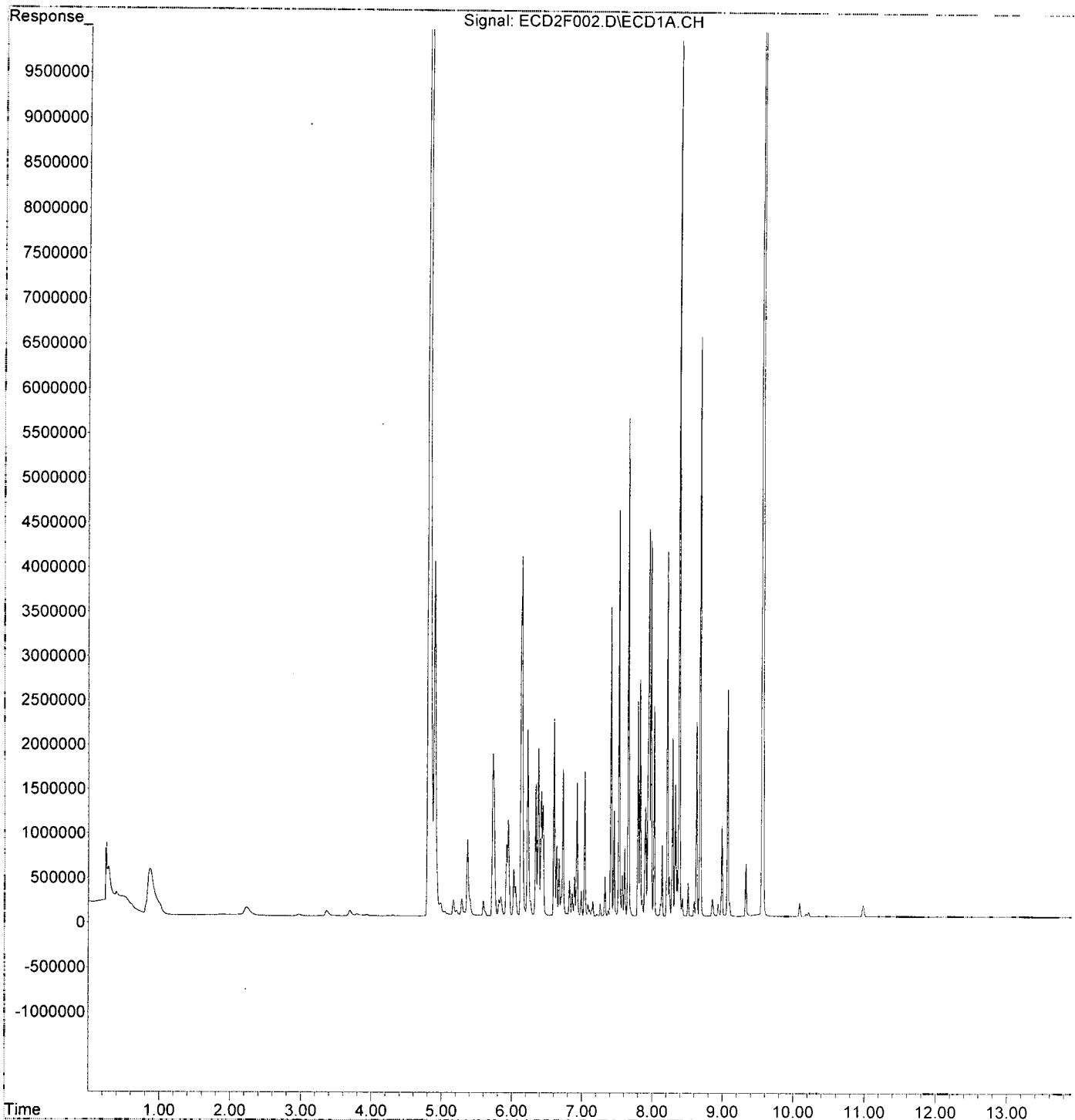
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	5582867	693.833 ng/ml
49) Aroclor 1262 (2)	7.980	4219992	375.943 ng/ml
50) Aroclor 1262 (3)	8.213	4101017	422.570 ng/ml
51) Aroclor 1262 (4)	8.382	9788235	473.775 ng/ml
52) Aroclor 1262 (5)	8.681	6496390	496.576 ng/ml
53) Aroclor 1262 (6)	9.071	2545917	381.317 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.213	4101017	803.454 ng/ml
56) Aroclor 1268 (2)	8.629	2189554	89.276 ng/ml
57) Aroclor 1268 (3)	8.681	6496390	318.229 ng/ml
58) Aroclor 1268 (4)	8.855	194336	10.146 ng/ml
59) Aroclor 1268 (5)	9.071	2545917	328.517 ng/ml
60) Aroclor 1268 (6)	9.330	591249	11.309 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 7:56
Operator : MJB / KAK
Sample : 0A16014-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 08:14:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 8:13
 Operator : MJB / KAK
 Sample : 0A16014-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:30:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/16/20

clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.816	7024610	105.494 ng/ml
62) S DCBP (S)	9.563	11278889	100.997 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.732	2824	0.755 ng/ml
3) Aroclor 1016 (2)	6.157	5956	0.828 ng/ml
4) Aroclor 1016 (3)	6.234	3870	0.974 ng/ml
5) Aroclor 1016 (4)	6.374	716	0.200 ng/ml
6) Aroclor 1016 (5)	6.603	1415	0.341 ng/ml
7) Aroclor 1016 (6)	6.726	994	0.339 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.176	13425	12.403 ng/ml
10) Aroclor 1221 (2)	5.283	12427	17.318 ng/ml
11) Aroclor 1221 (3)	5.360	12067	5.157 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.360	12067	6.794 ng/ml
14) Aroclor 1232 (2)	6.157	5956	2.142 ng/ml
15) Aroclor 1232 (3)	6.234	3870	2.638 ng/ml
16) Aroclor 1232 (4)	6.374	716	0.629 ng/ml
17) Aroclor 1232 (5)	6.603	1415	0.986 ng/ml
18) Aroclor 1232 (6)	6.726	994	0.829 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.732	2824	1.063 ng/ml
21) Aroclor 1242 (2)	6.157	5956	1.148 ng/ml
22) Aroclor 1242 (3)	6.234	3870	1.372 ng/ml
23) Aroclor 1242 (4)	6.374	716	0.313 ng/ml
24) Aroclor 1242 (5)	6.603	1415	0.474 ng/ml
25) Aroclor 1242 (6)	6.726	994	0.396 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.157	5956	1.750 ng/ml
28) Aroclor 1248 (2)	6.374	716	0.159 ng/ml
29) Aroclor 1248 (3)	6.603	1415	0.271 ng/ml
30) Aroclor 1248 (4)	6.894	883	0.152 ng/ml
31) Aroclor 1248 (5)	6.932	1218	0.198 ng/ml
32) Aroclor 1248 (6)	7.412	3633	1.063 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.932	1218	0.203 ng/ml
35) Aroclor 1254 (2)	7.038	965	0.132 ng/ml
36) Aroclor 1254 (3)	7.412	3633	0.324 ng/ml
37) Aroclor 1254 (4)	7.572	5108	0.716 ng/ml
38) Aroclor 1254 (5)	7.954	4493	0.587 ng/ml
39) Aroclor 1254 (6)	8.241	650	0.261 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.522	5979	0.718 ng/ml
42) Aroclor 1260 (2)	7.657	5736	0.562 ng/ml
43) Aroclor 1260 (3)	8.213	1347	0.171 ng/ml
44) Aroclor 1260 (4)	8.380	6388	0.343 ng/ml
45) Aroclor 1260 (5)	8.679	2325	0.192 ng/ml
46) Aroclor 1260 (6)	9.066	3506	0.686 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 8:13
 Operator : MJB / KAK
 Sample : 0A16014-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:30:30 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

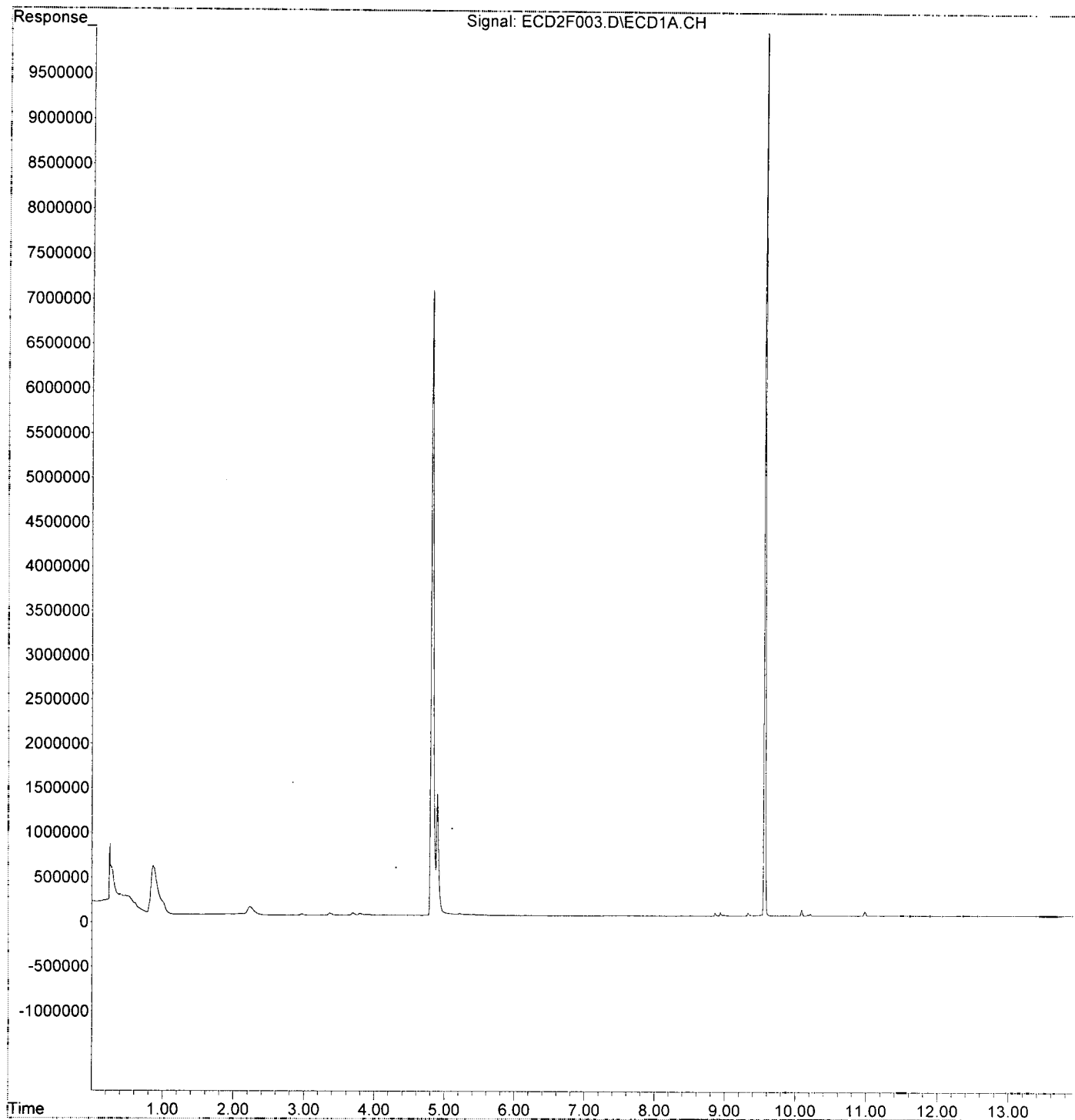
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	5736	0.713 ng/ml
49) Aroclor 1262 (2)	7.976	2908	0.259 ng/ml
50) Aroclor 1262 (3)	8.213	1347	0.139 ng/ml
51) Aroclor 1262 (4)	8.380	6388	0.309 ng/ml
52) Aroclor 1262 (5)	8.679	2325	0.178 ng/ml
53) Aroclor 1262 (6)	9.066	3506	0.525 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.213	1347	0.264 ng/ml
56) Aroclor 1268 (2)	8.626	869	0.035 ng/ml
57) Aroclor 1268 (3)	8.679	2325	0.114 ng/ml
58) Aroclor 1268 (4)	8.859	35365	1.846 ng/ml
59) Aroclor 1268 (5)	9.066	3506	0.452 ng/ml
60) Aroclor 1268 (6)	9.330	37688	0.721 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 8:13
Operator : MJB / KAK
Sample : 0A16014-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 10:30:30 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 8:31
 Operator : MJB / KAK
 Sample : 0010436-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:30:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/16/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.814	10077216	151.337 ng/ml
62) S DCBP (S)	9.563	26261504	235.160 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.728	10796	2.888 ng/ml
3) Aroclor 1016 (2)	6.139	19289	2.681 ng/ml
4) Aroclor 1016 (3)	6.221	11484	2.890 ng/ml
5) Aroclor 1016 (4)	6.375	11029	3.083 ng/ml
6) Aroclor 1016 (5)	6.597	12110	2.917 ng/ml
7) Aroclor 1016 (6)	6.723	7653	2.609 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.170	15735	14.537 ng/ml
10) Aroclor 1221 (2)	5.312	12749	17.767 ng/ml
11) Aroclor 1221 (3)	5.364	17440	7.453 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.364	17440	9.819 ng/ml
14) Aroclor 1232 (2)	6.139	19289	6.938 ng/ml
15) Aroclor 1232 (3)	6.221	11484	7.828 ng/ml
16) Aroclor 1232 (4)	6.375	11029	9.680 ng/ml
17) Aroclor 1232 (5)	6.597	12110	8.433 ng/ml
18) Aroclor 1232 (6)	6.723	7653	6.387 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.728	10796	4.065 ng/ml
21) Aroclor 1242 (2)	6.139	19289	3.719 ng/ml
22) Aroclor 1242 (3)	6.221	11484	4.072 ng/ml
23) Aroclor 1242 (4)	6.375	11029	4.818 ng/ml
24) Aroclor 1242 (5)	6.597	12110	4.057 ng/ml
25) Aroclor 1242 (6)	6.723	7653	3.050 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.139	19289	5.668 ng/ml
28) Aroclor 1248 (2)	6.375	11029	2.443 ng/ml
29) Aroclor 1248 (3)	6.597	12110	2.320 ng/ml
30) Aroclor 1248 (4)	6.890	2369	0.408 ng/ml
31) Aroclor 1248 (5)	6.923	7905	1.283 ng/ml
32) Aroclor 1248 (6)	7.409	12906	3.776 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.923	7905	1.318 ng/ml
35) Aroclor 1254 (2)	7.034	7628	1.047 ng/ml
36) Aroclor 1254 (3)	7.409	12906	1.151 ng/ml
37) Aroclor 1254 (4)	7.570	5638	0.791 ng/ml
38) Aroclor 1254 (5)	7.950	9445	1.233 ng/ml
39) Aroclor 1254 (6)	8.239	833	0.334 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.522	17393	2.089 ng/ml
42) Aroclor 1260 (2)	7.655	16044	1.573 ng/ml
43) Aroclor 1260 (3)	8.210	4509	0.573 ng/ml
44) Aroclor 1260 (4)	8.379	11468	0.616 ng/ml
45) Aroclor 1260 (5)	8.676	4923	0.407 ng/ml
46) Aroclor 1260 (6)	9.069	5644	1.104 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

← MDL

Data Path : K:\DATA\0A16014\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 8:31
 Operator : MJB / KAK
 Sample : 0010436-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:30:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

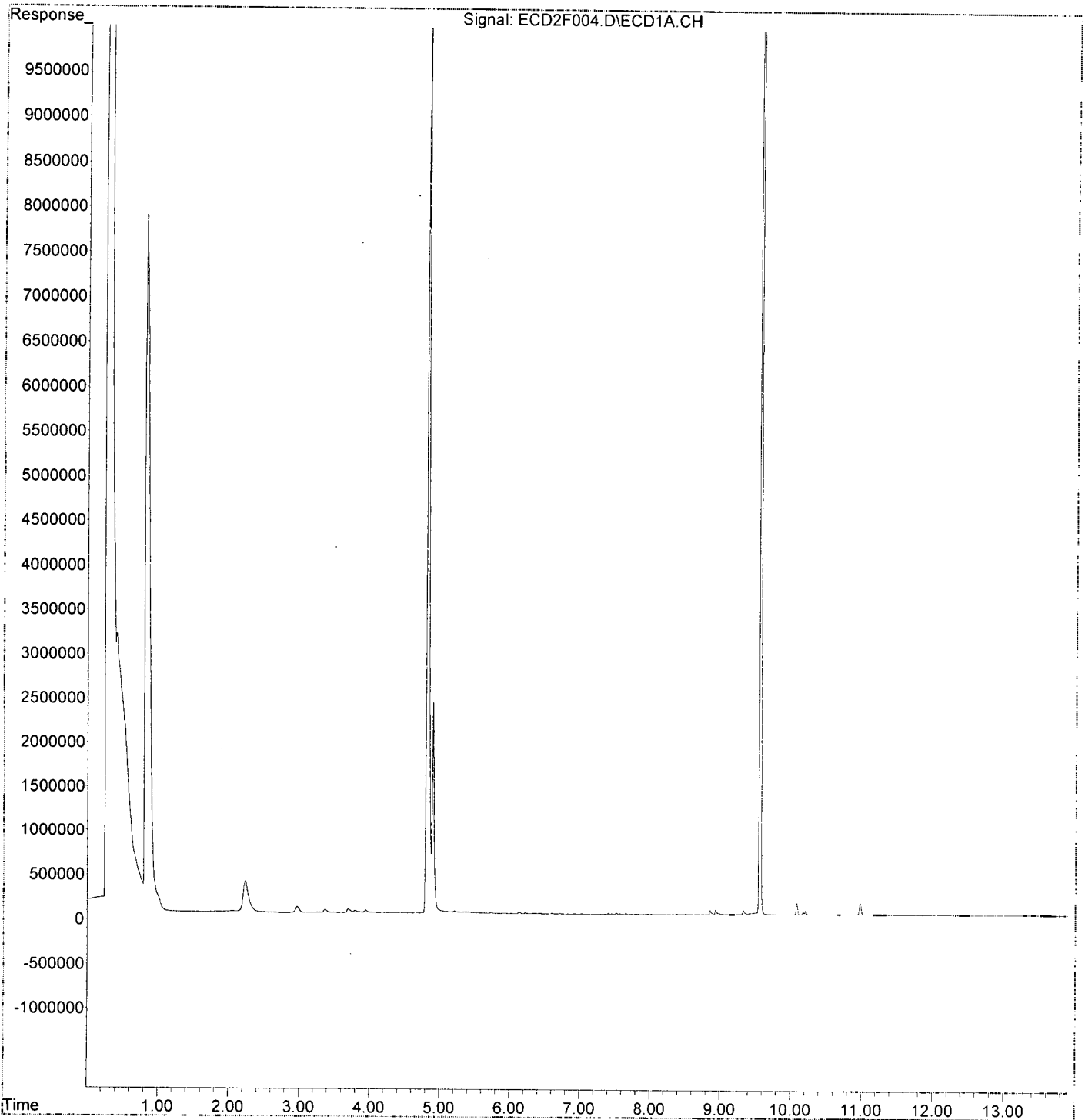
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.655	16044	1.994 ng/ml
49) Aroclor 1262 (2)	7.978	8388	0.747 ng/ml
50) Aroclor 1262 (3)	8.210	4509	0.465 ng/ml
51) Aroclor 1262 (4)	8.379	11468	0.555 ng/ml
52) Aroclor 1262 (5)	8.676	4923	0.376 ng/ml
53) Aroclor 1262 (6)	9.069	5644	0.845 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.210	4509	0.883 ng/ml
56) Aroclor 1268 (2)	8.628	2093	0.085 ng/ml
57) Aroclor 1268 (3)	8.676	4923	0.241 ng/ml
58) Aroclor 1268 (4)	8.858	51023	2.664 ng/ml
59) Aroclor 1268 (5)	9.069	5644	0.728 ng/ml
60) Aroclor 1268 (6)	9.330	50934	0.974 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 8:31
Operator : MJB / KAK
Sample : 0010436-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 10:30:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 8:49
 Operator : MJB / KAK
 Sample : 0010436-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:31:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/16/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.813	7720440	115.944 ng/ml
62) S DCBP (S)	9.563	25054763	224.354 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.726	2047056	547.640 ng/ml
3) Aroclor 1016 (2)	6.138	5172986	719.079 ng/ml
4) Aroclor 1016 (3)	6.220	2573506	647.761 ng/ml
5) Aroclor 1016 (4)	6.375	2656562	742.605 ng/ml
6) Aroclor 1016 (5)	6.597	2960674	713.160 ng/ml
7) Aroclor 1016 (6)	6.723	2090528	712.705 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.164	184912	170.830 ng/ml
10) Aroclor 1221 (2)	5.283	204516	285.013 ng/ml
11) Aroclor 1221 (3)	5.363	897498	383.527 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.363	897498	505.299 ng/ml
14) Aroclor 1232 (2)	6.138	5172986	1860.664 ng/ml
15) Aroclor 1232 (3)	6.220	2573506	1754.335 ng/ml
16) Aroclor 1232 (4)	6.375	2656562	2331.617 ng/ml
17) Aroclor 1232 (5)	6.597	2960674	2061.780 ng/ml
18) Aroclor 1232 (6)	6.723	2090528	1744.838 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.726	2047056	770.722 ng/ml
21) Aroclor 1242 (2)	6.138	5172986	997.282 ng/ml
22) Aroclor 1242 (3)	6.220	2573506	912.536 ng/ml
23) Aroclor 1242 (4)	6.375	2656562	1160.486 ng/ml
24) Aroclor 1242 (5)	6.597	2960674	991.948 ng/ml
25) Aroclor 1242 (6)	6.723	2090528	833.138 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.138	5172986	1519.994 ng/ml
28) Aroclor 1248 (2)	6.375	2656562	588.358 ng/ml
29) Aroclor 1248 (3)	6.597	2960674	567.303 ng/ml
30) Aroclor 1248 (4)	6.891	647538	111.546 ng/ml
31) Aroclor 1248 (5)	6.923	2287384	371.370 ng/ml
32) Aroclor 1248 (6)	7.410	5582465	1633.533 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.923	2287384	381.350 ng/ml
35) Aroclor 1254 (2)	7.034	2705185	371.206 ng/ml
36) Aroclor 1254 (3)	7.410	5582465	497.991 ng/ml
37) Aroclor 1254 (4)	7.570	768026	107.717 ng/ml
38) Aroclor 1254 (5)	7.949	7788596	1016.922 ng/ml
39) Aroclor 1254 (6)	8.240	742835	297.862 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.522	7605144	913.225 ng/ml
42) Aroclor 1260 (2)	7.656	10569786	1036.010 ng/ml
43) Aroclor 1260 (3)	8.211	7817103	993.890 ng/ml
44) Aroclor 1260 (4)	8.381	20273689	1088.902 ng/ml
45) Aroclor 1260 (5)	8.679	12565196	1038.791 ng/ml
46) Aroclor 1260 (6)	9.069	4979942	973.672 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 8:49
 Operator : MJB / KAK
 Sample : 0010436-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:31:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

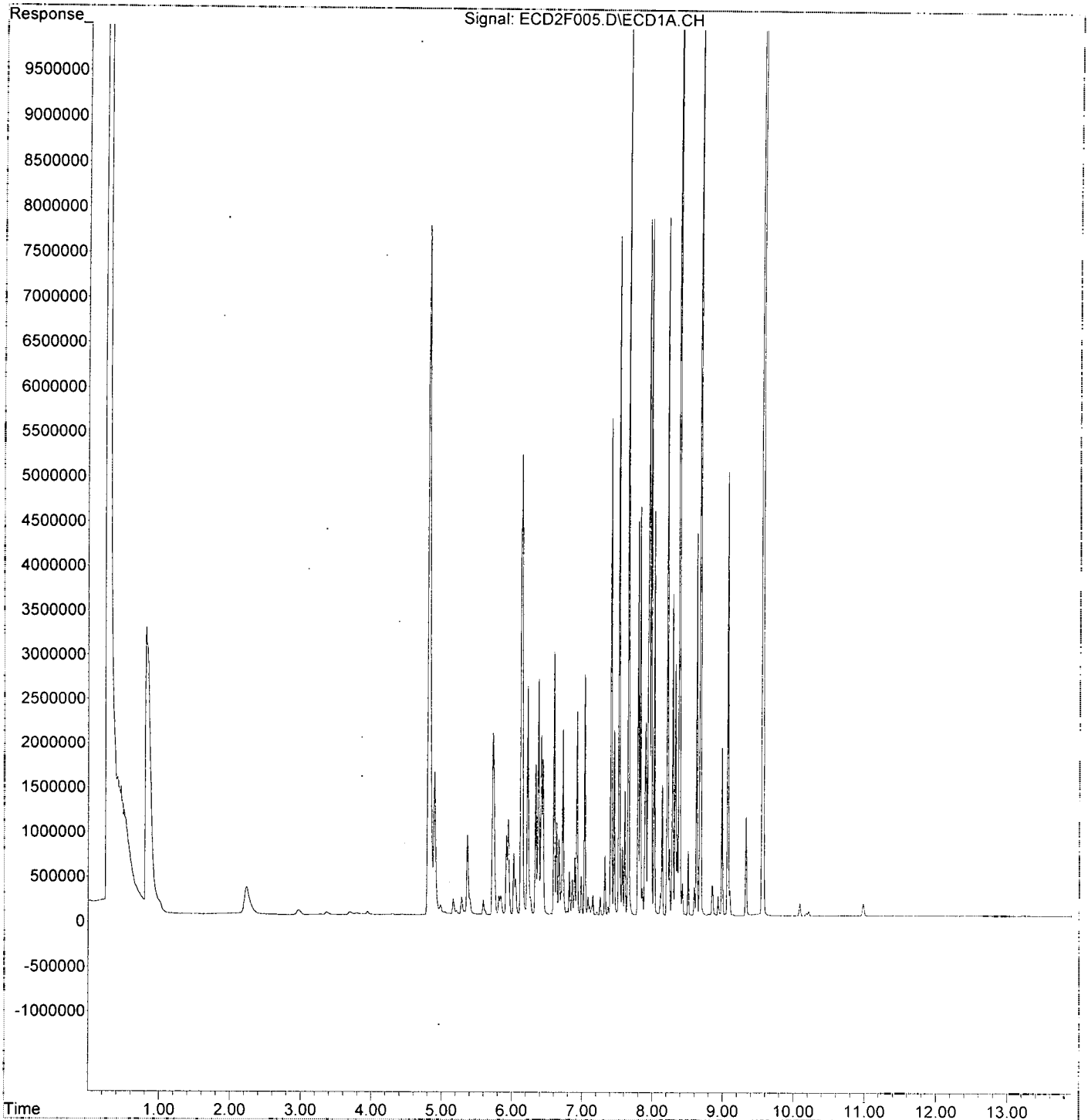
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.656	10569786	1313.602 ng/ml
49) Aroclor 1262 (2)	7.979	7797944	694.690 ng/ml
50) Aroclor 1262 (3)	8.211	7817103	805.477 ng/ml
51) Aroclor 1262 (4)	8.381	20273689	981.297 ng/ml
52) Aroclor 1262 (5)	8.679	12565196	960.468 ng/ml
53) Aroclor 1262 (6)	9.069	4979942	745.876 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.211	7817103	1531.493 ng/ml
56) Aroclor 1268 (2)	8.627	4305593	175.555 ng/ml
57) Aroclor 1268 (3)	8.679	12565196	615.513 ng/ml
58) Aroclor 1268 (4)	8.851	344626	17.993 ng/ml
59) Aroclor 1268 (5)	9.069	4979942	642.595 ng/ml
60) Aroclor 1268 (6)	9.328	1114335	21.313 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 8:49
Operator : MJB / KAK
Sample : 0010436-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 10:31:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 9:06
 Operator : MJB / KAK
 Sample : 0010436-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:31:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/16/20
 Q-19

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	11812595	177.399	ng/ml
62) S DCBP (S)	9.562	26055262	233.313	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.725	2692132	720.215	ng/ml
3) Aroclor 1016 (2)	6.137	6327936	879.624	ng/ml
4) Aroclor 1016 (3)	6.219	3136903	789.570	ng/ml
5) Aroclor 1016 (4)	6.375	3147070	879.720	ng/ml
6) Aroclor 1016 (5)	6.596	3232331	778.596	ng/ml
7) Aroclor 1016 (6)	6.722	2238114	763.020	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.163	259539	239.774	ng/ml
10) Aroclor 1221 (2)	5.281	283638	395.276	ng/ml
11) Aroclor 1221 (3)	5.364	1240517	530.110	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	1240517	698.422	ng/ml
14) Aroclor 1232 (2)	6.137	6327936	2276.086	ng/ml
15) Aroclor 1232 (3)	6.219	3136903	2138.397	ng/ml
16) Aroclor 1232 (4)	6.375	3147070	2762.127	ng/ml
17) Aroclor 1232 (5)	6.596	3232331	2250.959	ng/ml
18) Aroclor 1232 (6)	6.722	2238114	1868.019	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.725	2692132	1013.594	ng/ml
21) Aroclor 1242 (2)	6.137	6327936	1219.941	ng/ml
22) Aroclor 1242 (3)	6.219	3136903	1112.310	ng/ml
23) Aroclor 1242 (4)	6.375	3147070	1374.758	ng/ml
24) Aroclor 1242 (5)	6.596	3232331	1082.965	ng/ml
25) Aroclor 1242 (6)	6.722	2238114	891.955	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.137	6327936	1859.356	ng/ml
28) Aroclor 1248 (2)	6.375	3147070	696.992	ng/ml
29) Aroclor 1248 (3)	6.596	3232331	619.356	ng/ml
30) Aroclor 1248 (4)	6.890	693821	119.518	ng/ml
31) Aroclor 1248 (5)	6.923	2492983	404.751	ng/ml
32) Aroclor 1248 (6)	7.409	5766157	1687.285	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.923	2492983	415.627	ng/ml
35) Aroclor 1254 (2)	7.033	2805545	384.977	ng/ml
36) Aroclor 1254 (3)	7.409	5766157	514.377	ng/ml
37) Aroclor 1254 (4)	7.569	812699	113.983	ng/ml
38) Aroclor 1254 (5)	7.948	7729859	1009.253	ng/ml
39) Aroclor 1254 (6)	8.239	786902	315.532	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.521	7854007	943.108	ng/ml
42) Aroclor 1260 (2)	7.655	11092934	1087.287	ng/ml
43) Aroclor 1260 (3)	8.210	7816138	993.767	ng/ml
44) Aroclor 1260 (4)	8.380	20104038	1079.790	ng/ml
45) Aroclor 1260 (5)	8.678	13051076	1078.960	ng/ml
46) Aroclor 1260 (6)	9.068	5176775	1012.156	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 9:06
 Operator : MJB / KAK
 Sample : 0010436-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 10:31:34 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

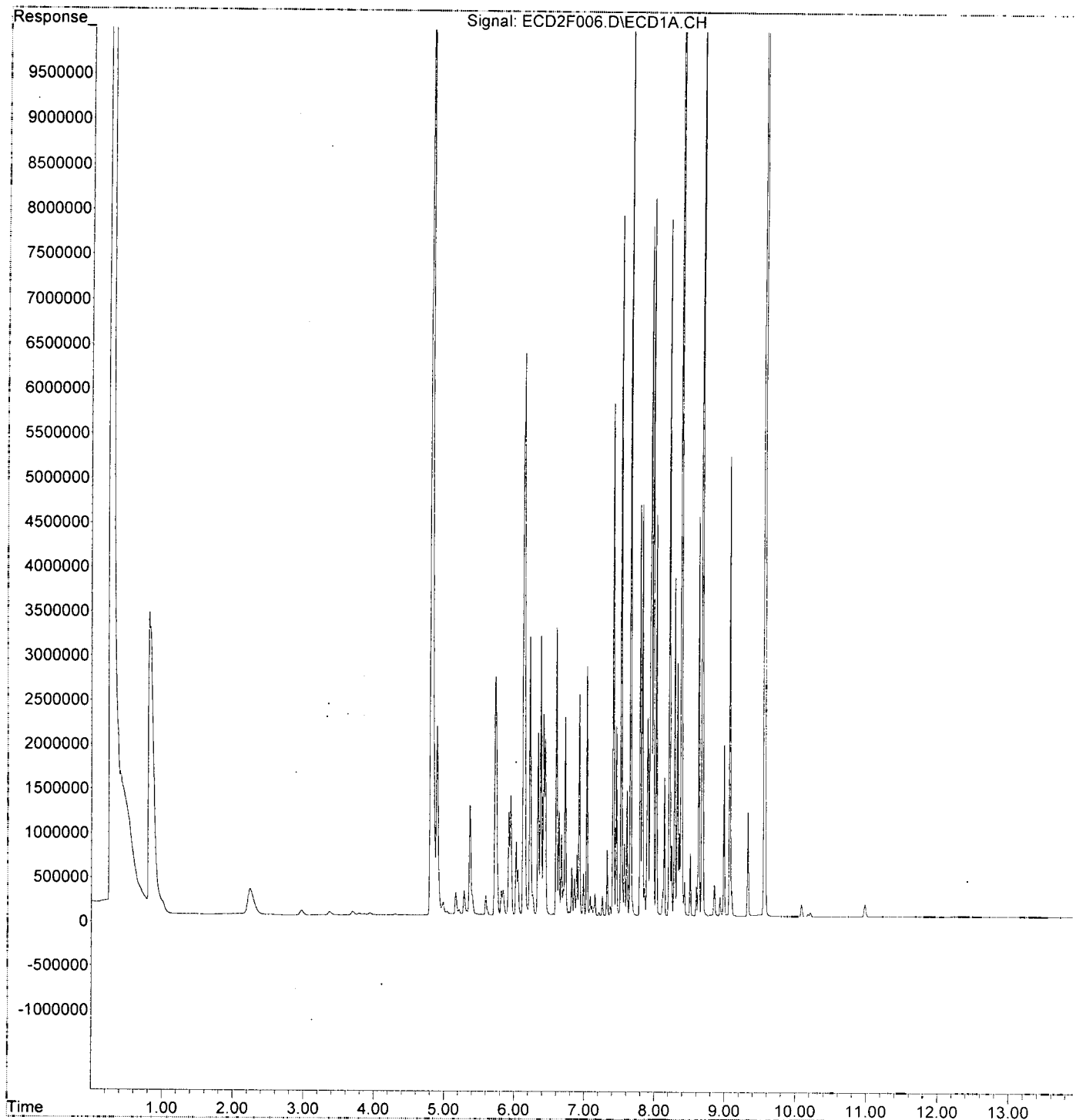
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.655	11092934	1378.618	ng/ml
49)	Aroclor 1262 (2)	7.978	8044095	716.619	ng/ml
50)	Aroclor 1262 (3)	8.210	7816138	805.378	ng/ml
51)	Aroclor 1262 (4)	8.380	20104038	973.086	ng/ml
52)	Aroclor 1262 (5)	8.678	13051076	997.608	ng/ml
53)	Aroclor 1262 (6)	9.068	5176775	775.356	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.210	7816138	1531.304	ng/ml
56)	Aroclor 1268 (2)	8.626	4496315	183.331	ng/ml
57)	Aroclor 1268 (3)	8.678	13051076	639.314	ng/ml
58)	Aroclor 1268 (4)	8.850	352354	18.396	ng/ml
59)	Aroclor 1268 (5)	9.068	5176775	667.994	ng/ml
60)	Aroclor 1268 (6)	9.326	1168163	22.343	ng/ml
61)	Aroclor 1268 - AVE	0.761	139327	NoCal	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 9:06
Operator : MJB / KAK
Sample : 0010436-BSD1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 10:31:34 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 10:34
 Operator : MJB / KAK
 Sample : 0A16014-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 11:05:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1/16/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	18118248	272.096	ng/ml
62) S DCBP (S)	9.562	30032378	268.926	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.724	1919140	513.419	ng/ml
3) Aroclor 1016 (2)	6.138	3956305	549.952	ng/ml
4) Aroclor 1016 (3)	6.219	2086953	525.294	ng/ml
5) Aroclor 1016 (4)	6.374	1937623	541.636	ng/ml
6) Aroclor 1016 (5)	6.596	2184062	526.092	ng/ml
7) Aroclor 1016 (6)	6.722	1619209	552.023	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	187401	173.129	ng/ml
10) Aroclor 1221 (2)	5.283	210993	294.039	ng/ml
11) Aroclor 1221 (3)	5.364	881576	376.724	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	881576	496.335	ng/ml
14) Aroclor 1232 (2)	6.138	3956305	1423.038	ng/ml
15) Aroclor 1232 (3)	6.219	2086953	1422.657	ng/ml
16) Aroclor 1232 (4)	6.374	1937623	1700.617	ng/ml
17) Aroclor 1232 (5)	6.596	2184062	1520.956	ng/ml
18) Aroclor 1232 (6)	6.722	1619209	1351.456	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.724	1919140	722.561	ng/ml
21) Aroclor 1242 (2)	6.138	3956305	762.722	ng/ml
22) Aroclor 1242 (3)	6.219	2086953	740.010	ng/ml
23) Aroclor 1242 (4)	6.374	1937623	846.427	ng/ml
24) Aroclor 1242 (5)	6.596	2184062	731.751	ng/ml
25) Aroclor 1242 (6)	6.722	1619209	645.303	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.138	3956305	1162.493	ng/ml
28) Aroclor 1248 (2)	6.374	1937623	429.132	ng/ml
29) Aroclor 1248 (3)	6.596	2184062	418.494	ng/ml
30) Aroclor 1248 (4)	6.889	424994	73.210	ng/ml
31) Aroclor 1248 (5)	6.922	1514060	245.817	ng/ml
32) Aroclor 1248 (6)	7.409	3272323	957.543	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.922	1514060	252.423	ng/ml
35) Aroclor 1254 (2)	7.033	1636065	224.501	ng/ml
36) Aroclor 1254 (3)	7.409	3272323	291.912	ng/ml
37) Aroclor 1254 (4)	7.568	474697	66.577	ng/ml
38) Aroclor 1254 (5)	7.948	4254388	555.476	ng/ml
39) Aroclor 1254 (6)	8.239	458542	183.866	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.521	4373337	525.150	ng/ml
42) Aroclor 1260 (2)	7.655	5657438	554.521	ng/ml
43) Aroclor 1260 (3)	8.210	3908182	496.898	ng/ml
44) Aroclor 1260 (4)	8.380	10065150	540.600	ng/ml
45) Aroclor 1260 (5)	8.678	6512110	538.370	ng/ml
46) Aroclor 1260 (6)	9.069	2586831	505.774	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 10:34
 Operator : MJB / KAK
 Sample : 0A16014-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 11:05:47 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

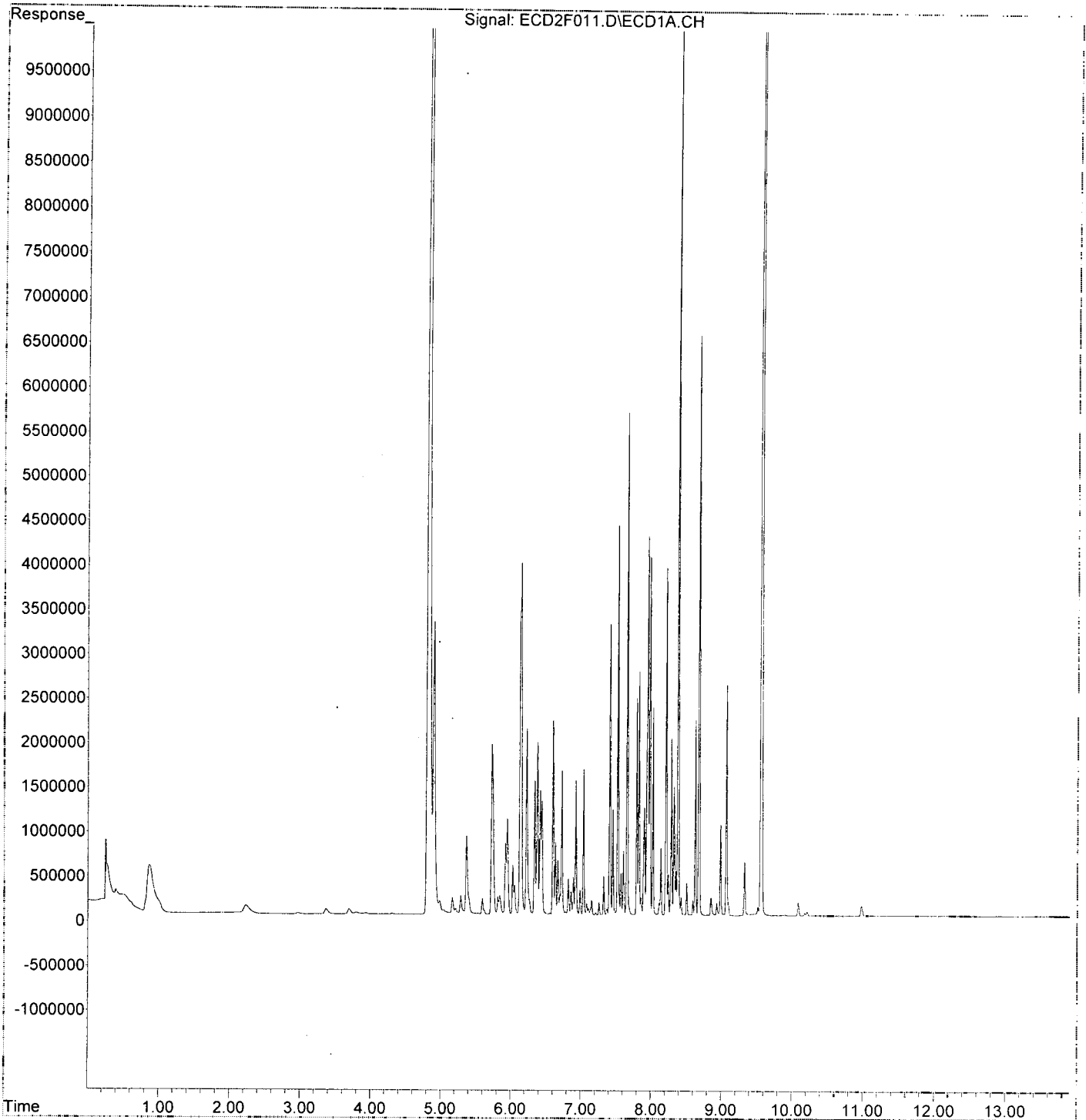
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.655	5657438	703.101	ng/ml
49) Aroclor 1262 (2)	7.978	4030633	359.074	ng/ml
50) Aroclor 1262 (3)	8.210	3908182	402.701	ng/ml
51) Aroclor 1262 (4)	8.380	10065150	487.178	ng/ml
52) Aroclor 1262 (5)	8.678	6512110	497.778	ng/ml
53) Aroclor 1262 (6)	9.069	2586831	387.445	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.210	3908182	765.674	ng/ml
56) Aroclor 1268 (2)	8.626	2196477	89.558	ng/ml
57) Aroclor 1268 (3)	8.678	6512110	318.999	ng/ml
58) Aroclor 1268 (4)	8.852	198281	10.352	ng/ml
59) Aroclor 1268 (5)	9.069	2586831	333.796	ng/ml
60) Aroclor 1268 (6)	9.326	598673	11.451	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 10:34
Operator : MJB / KAK
Sample : 0A16014-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 11:05:47 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 10:52
 Operator : MJB / KAK
 Sample : 0A16014-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 11:43:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/16/20
clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.813	6787241	101.929 ng/ml
62) S DCBP (S)	9.561	11144197	99.791 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.721	3875	1.037 ng/ml
3) Aroclor 1016 (2)	6.153	6484	0.901 ng/ml
4) Aroclor 1016 (3)	6.233	4983	1.254 ng/ml
5) Aroclor 1016 (4)	6.382	2267	0.634 ng/ml
6) Aroclor 1016 (5)	6.601	3033	0.731 ng/ml
7) Aroclor 1016 (6)	6.726	2498	0.852 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.165	13884	12.827 ng/ml
10) Aroclor 1221 (2)	5.285	12479	17.391 ng/ml
11) Aroclor 1221 (3)	5.348	12895	5.510 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.348	12895	7.260 ng/ml
14) Aroclor 1232 (2)	6.153	6484	2.332 ng/ml
15) Aroclor 1232 (3)	6.233	4983	3.397 ng/ml
16) Aroclor 1232 (4)	6.382	2267	1.990 ng/ml
17) Aroclor 1232 (5)	6.601	3033	2.112 ng/ml
18) Aroclor 1232 (6)	6.726	2498	2.085 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.721	3875	1.459 ng/ml
21) Aroclor 1242 (2)	6.153	6484	1.250 ng/ml
22) Aroclor 1242 (3)	6.233	4983	1.767 ng/ml
23) Aroclor 1242 (4)	6.382	2267	0.990 ng/ml
24) Aroclor 1242 (5)	6.601	3033	1.016 ng/ml
25) Aroclor 1242 (6)	6.726	2498	0.996 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.153	6484	1.905 ng/ml
28) Aroclor 1248 (2)	6.382	2267	0.502 ng/ml
29) Aroclor 1248 (3)	6.601	3033	0.581 ng/ml
30) Aroclor 1248 (4)	6.893	2486	0.428 ng/ml
31) Aroclor 1248 (5)	6.922	2815	0.457 ng/ml
32) Aroclor 1248 (6)	7.409	4684	1.371 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.922	2815	0.469 ng/ml
35) Aroclor 1254 (2)	7.037	2964	0.407 ng/ml
36) Aroclor 1254 (3)	7.409	4684	0.418 ng/ml
37) Aroclor 1254 (4)	7.570	6390	0.896 ng/ml
38) Aroclor 1254 (5)	7.954	5874	0.767 ng/ml
39) Aroclor 1254 (6)	8.241	1773	0.711 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.524	6986	0.839 ng/ml
42) Aroclor 1260 (2)	7.655	6829	0.669 ng/ml
43) Aroclor 1260 (3)	8.211	1840	0.234 ng/ml
44) Aroclor 1260 (4)	8.378	6711	0.360 ng/ml
45) Aroclor 1260 (5)	8.680	2179	0.180 ng/ml
46) Aroclor 1260 (6)	9.068	2996	0.586 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 10:52
 Operator : MJB / KAK
 Sample : 0A16014-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 11:43:38 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

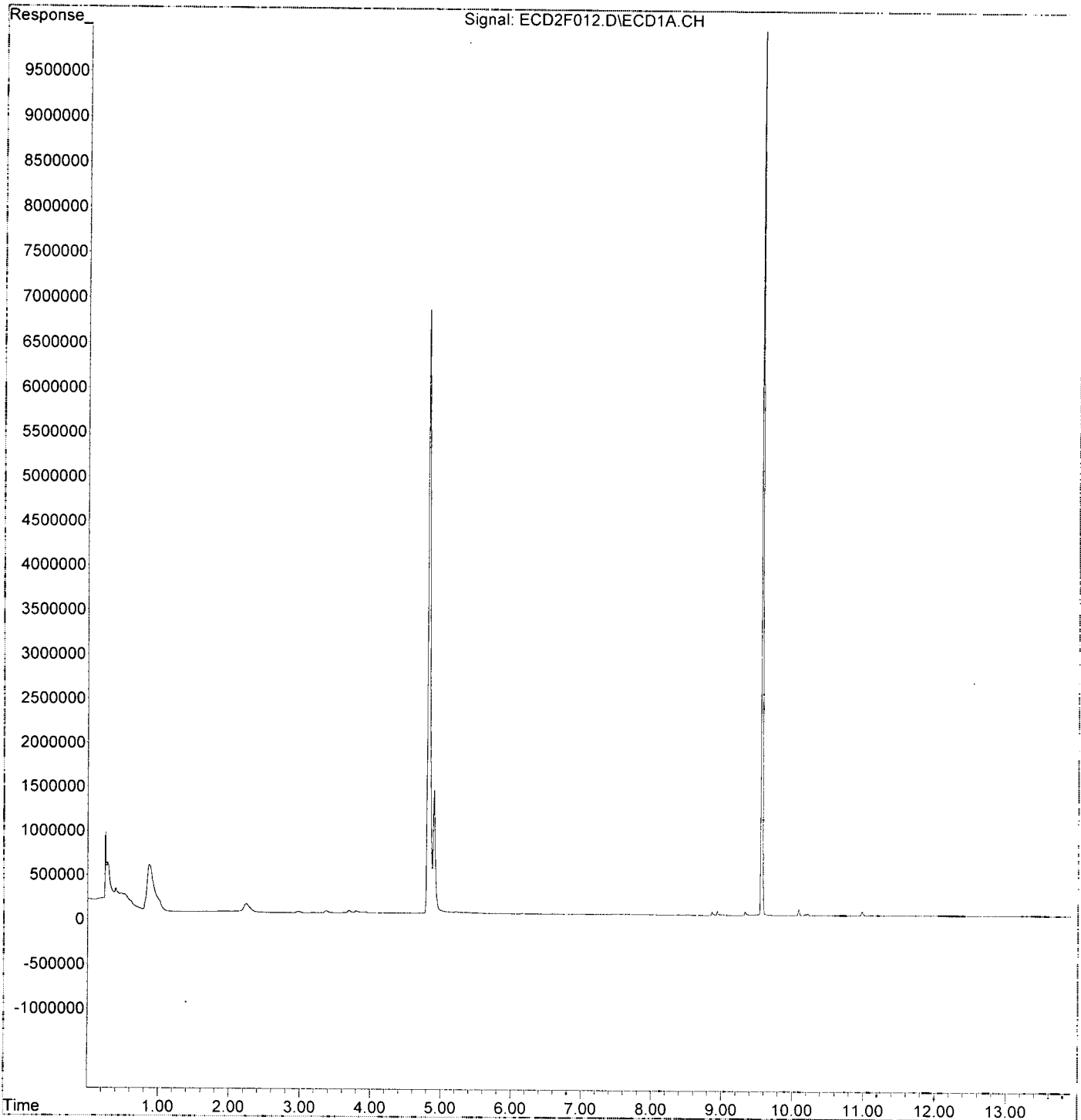
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.655	6829	0.849 ng/ml
49) Aroclor 1262 (2)	7.976	4041	0.360 ng/ml
50) Aroclor 1262 (3)	8.211	1840	0.190 ng/ml
51) Aroclor 1262 (4)	8.378	6711	0.325 ng/ml
52) Aroclor 1262 (5)	8.680	2179	0.167 ng/ml
53) Aroclor 1262 (6)	9.068	2996	0.449 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.211	1840	0.360 ng/ml
56) Aroclor 1268 (2)	8.628	948	0.039 ng/ml
57) Aroclor 1268 (3)	8.680	2179	0.107 ng/ml
58) Aroclor 1268 (4)	8.859	41250	2.154 ng/ml
59) Aroclor 1268 (5)	9.068	2996	0.387 ng/ml
60) Aroclor 1268 (6)	9.328	43650	0.835 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 10:52
Operator : MJB / KAK
Sample : 0A16014-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 11:43:38 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 12:56
 Operator : MJB / KAK
 Sample : 0A16014-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 14:01:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/16/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.812	19168944	287.875	ng/ml
62) S DCBP (S)	9.562	28565336	255.790	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.724	1965964	525.946	ng/ml
3) Aroclor 1016 (2)	6.138	4218099	586.343	ng/ml
4) Aroclor 1016 (3)	6.219	2164165	544.728	ng/ml
5) Aroclor 1016 (4)	6.374	2006557	560.905	ng/ml
6) Aroclor 1016 (5)	6.596	2329670	561.165	ng/ml
7) Aroclor 1016 (6)	6.722	1625505	554.169	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	196150	181.212	ng/ml
10) Aroclor 1221 (2)	5.283	208380	290.397	ng/ml
11) Aroclor 1221 (3)	5.364	898518	383.963	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	898518	505.873	ng/ml
14) Aroclor 1232 (2)	6.138	4218099	1517.202	ng/ml
15) Aroclor 1232 (3)	6.219	2164165	1475.291	ng/ml
16) Aroclor 1232 (4)	6.374	2006557	1761.119	ng/ml
17) Aroclor 1232 (5)	6.596	2329670	1622.356	ng/ml
18) Aroclor 1232 (6)	6.722	1625505	1356.712	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.724	1965964	740.190	ng/ml
21) Aroclor 1242 (2)	6.138	4218099	813.193	ng/ml
22) Aroclor 1242 (3)	6.219	2164165	767.388	ng/ml
23) Aroclor 1242 (4)	6.374	2006557	876.539	ng/ml
24) Aroclor 1242 (5)	6.596	2329670	780.536	ng/ml
25) Aroclor 1242 (6)	6.722	1625505	647.813	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.138	4218099	1239.416	ng/ml
28) Aroclor 1248 (2)	6.374	2006557	444.399	ng/ml
29) Aroclor 1248 (3)	6.596	2329670	446.395	ng/ml
30) Aroclor 1248 (4)	6.889	428716	73.851	ng/ml
31) Aroclor 1248 (5)	6.922	1511434	245.390	ng/ml
32) Aroclor 1248 (6)	7.408	3367730	985.461	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.922	1511434	251.985	ng/ml
35) Aroclor 1254 (2)	7.033	1605642	220.326	ng/ml
36) Aroclor 1254 (3)	7.408	3367730	300.423	ng/ml
37) Aroclor 1254 (4)	7.568	469825	65.894	ng/ml
38) Aroclor 1254 (5)	7.948	4285909	559.592	ng/ml
39) Aroclor 1254 (6)	8.239	471337	188.997	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.521	4638693	557.014	ng/ml
42) Aroclor 1260 (2)	7.654	5473660	536.507	ng/ml
43) Aroclor 1260 (3)	8.209	4066581	517.037	ng/ml
44) Aroclor 1260 (4)	8.379	10068307	540.770	ng/ml
45) Aroclor 1260 (5)	8.678	6739842	557.197	ng/ml
46) Aroclor 1260 (6)	9.068	2439139	476.897	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 12:56
 Operator : MJB / KAK
 Sample : 0A16014-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 14:01:05 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

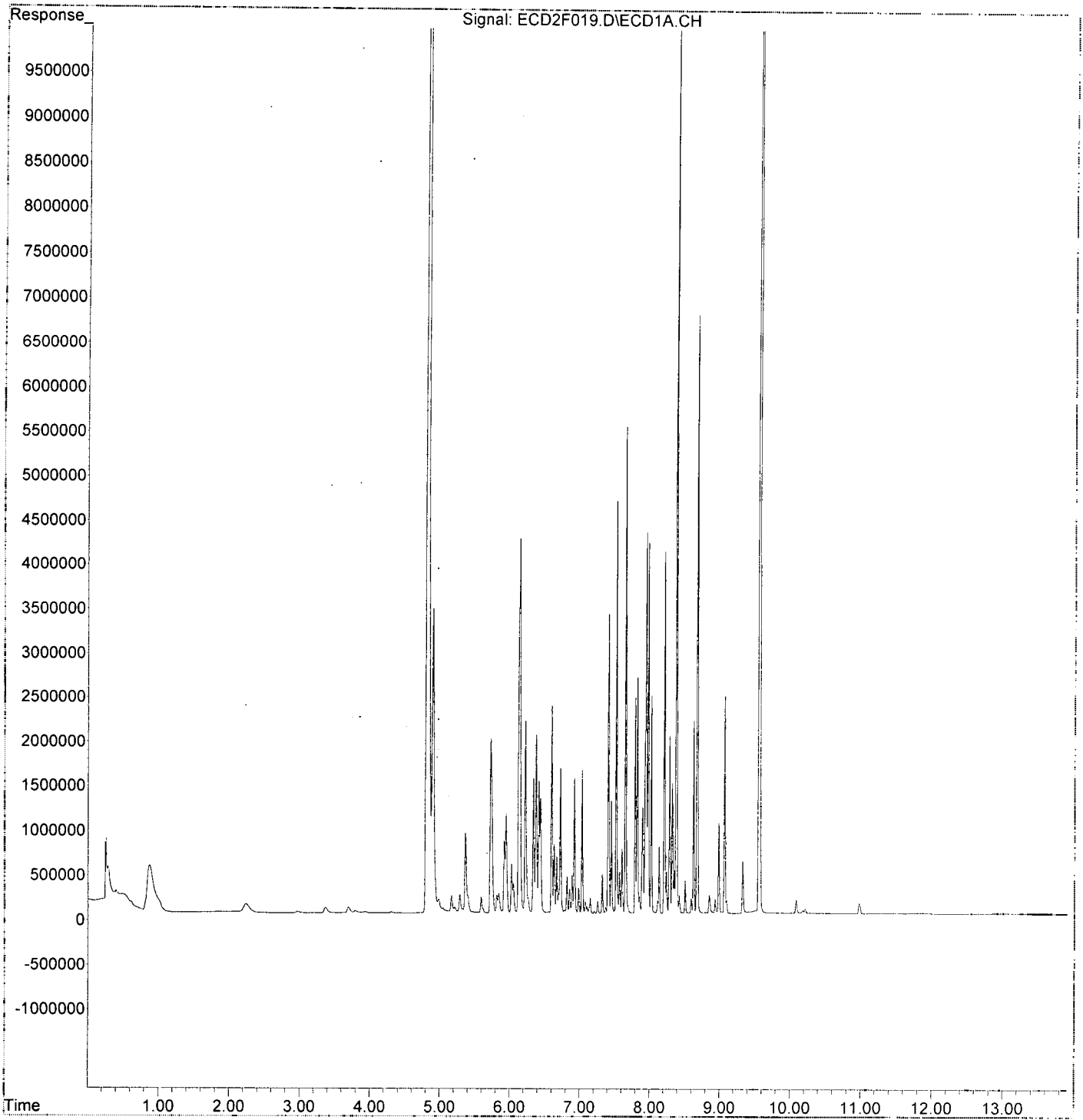
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.654	5473660	680.261	ng/ml
49) Aroclor 1262 (2)	7.978	4176447	372.064	ng/ml
50) Aroclor 1262 (3)	8.209	4066581	419.022	ng/ml
51) Aroclor 1262 (4)	8.379	10068307	487.331	ng/ml
52) Aroclor 1262 (5)	8.678	6739842	515.185	ng/ml
53) Aroclor 1262 (6)	9.068	2439139	365.324	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.209	4066581	796.707	ng/ml
56) Aroclor 1268 (2)	8.626	2163410	88.210	ng/ml
57) Aroclor 1268 (3)	8.678	6739842	330.155	ng/ml
58) Aroclor 1268 (4)	8.852	203371	10.618	ng/ml
59) Aroclor 1268 (5)	9.068	2439139	314.738	ng/ml
60) Aroclor 1268 (6)	9.327	594396	11.369	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 12:56
Operator : MJB / KAK
Sample : 0A16014-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 14:01:05 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 13:13
 Operator : MJB / KAK
 Sample : 0A16014-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 14:01:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/16/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.814	6947293	104.333 ng/ml
62) S DCBP (S)	9.561	11602985	103.899 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.727	3436	0.919 ng/ml
3) Aroclor 1016 (2)	6.141	4950	0.688 ng/ml
4) Aroclor 1016 (3)	6.230	4330	1.090 ng/ml
5) Aroclor 1016 (4)	6.382	1709	0.478 ng/ml
6) Aroclor 1016 (5)	6.599	2896	0.698 ng/ml
7) Aroclor 1016 (6)	6.727	2140	0.729 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.166	13499	12.471 ng/ml
10) Aroclor 1221 (2)	5.294	12512	17.437 ng/ml
11) Aroclor 1221 (3)	5.365	12253	5.236 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.365	12253	6.899 ng/ml
14) Aroclor 1232 (2)	6.141	4950	1.780 ng/ml
15) Aroclor 1232 (3)	6.230	4330	2.952 ng/ml
16) Aroclor 1232 (4)	6.382	1709	1.500 ng/ml
17) Aroclor 1232 (5)	6.599	2896	2.017 ng/ml
18) Aroclor 1232 (6)	6.727	2140	1.786 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.727	3436	1.294 ng/ml
21) Aroclor 1242 (2)	6.141	4950	0.954 ng/ml
22) Aroclor 1242 (3)	6.230	4330	1.535 ng/ml
23) Aroclor 1242 (4)	6.382	1709	0.747 ng/ml
24) Aroclor 1242 (5)	6.599	2896	0.970 ng/ml
25) Aroclor 1242 (6)	6.727	2140	0.853 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.141	4950	1.454 ng/ml
28) Aroclor 1248 (2)	6.382	1709	0.378 ng/ml
29) Aroclor 1248 (3)	6.599	2896	0.555 ng/ml
30) Aroclor 1248 (4)	6.892	2227	0.384 ng/ml
31) Aroclor 1248 (5)	6.931	2794	0.454 ng/ml
32) Aroclor 1248 (6)	7.408	3417	1.000 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.931	2794	0.466 ng/ml
35) Aroclor 1254 (2)	7.035	2098	0.288 ng/ml
36) Aroclor 1254 (3)	7.408	3417	0.305 ng/ml
37) Aroclor 1254 (4)	7.567	4397	0.617 ng/ml
38) Aroclor 1254 (5)	7.951	3617	0.472 ng/ml
39) Aroclor 1254 (6)	8.246	1005	0.403 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.523	4935	0.593 ng/ml
42) Aroclor 1260 (2)	7.654	4504	0.441 ng/ml
43) Aroclor 1260 (3)	8.210	1262	0.160 ng/ml
44) Aroclor 1260 (4)	8.378	5867	0.315 ng/ml
45) Aroclor 1260 (5)	8.679	3000	0.248 ng/ml
46) Aroclor 1260 (6)	9.066	2478	0.484 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 13:13
 Operator : MJB / KAK
 Sample : 0A16014-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 14:01:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

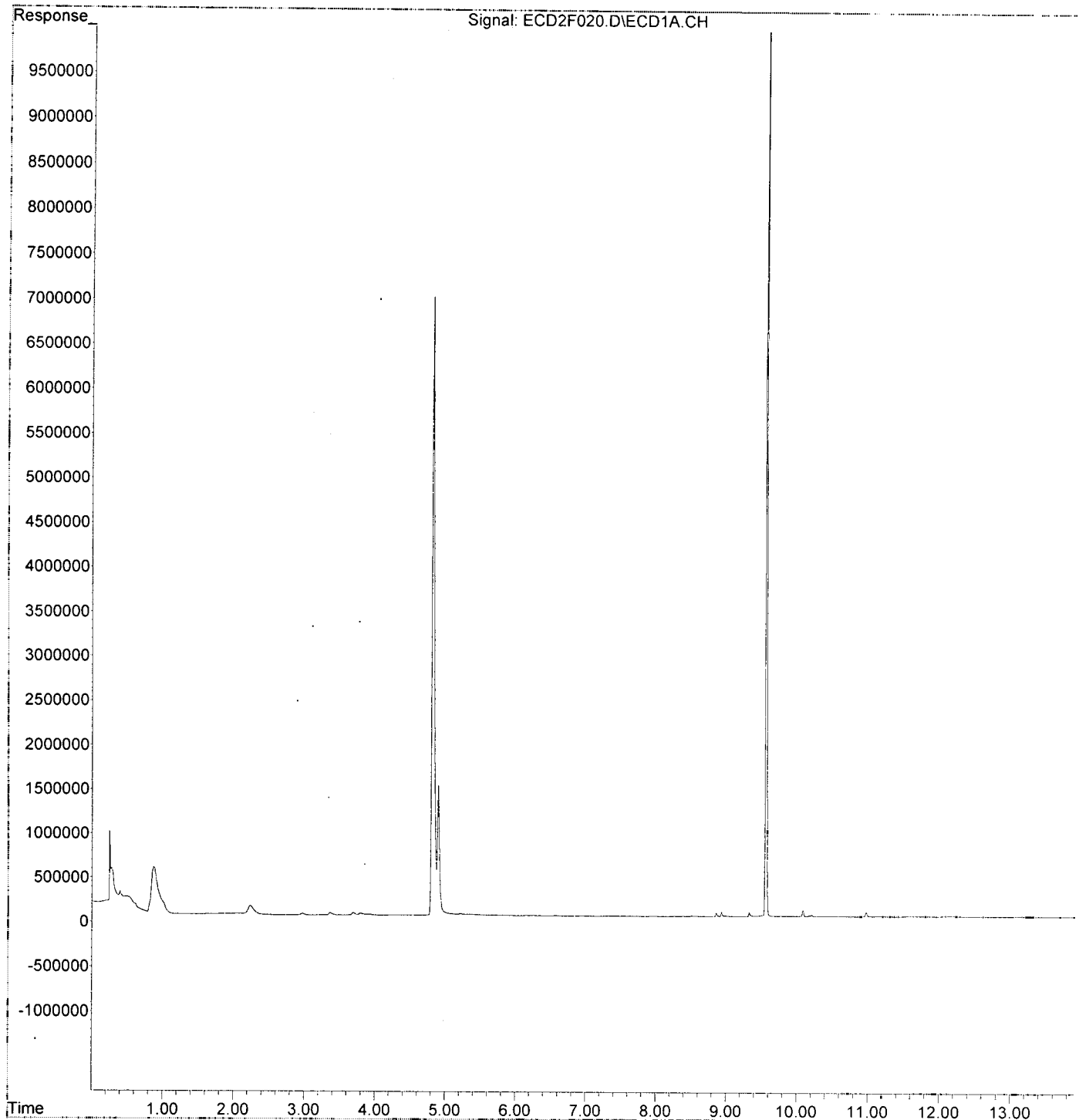
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.654	4504	0.560 ng/ml
49)	Aroclor 1262 (2)	7.976	2242	0.200 ng/ml
50)	Aroclor 1262 (3)	8.210	1262	0.130 ng/ml
51)	Aroclor 1262 (4)	8.378	5867	0.284 ng/ml
52)	Aroclor 1262 (5)	8.679	3000	0.229 ng/ml
53)	Aroclor 1262 (6)	9.066	2478	0.371 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.210	1262	0.247 ng/ml
56)	Aroclor 1268 (2)	8.628	2376	0.097 ng/ml
57)	Aroclor 1268 (3)	8.679	3000	0.147 ng/ml
58)	Aroclor 1268 (4)	8.858	41993	2.192 ng/ml
59)	Aroclor 1268 (5)	9.066	2478	0.320 ng/ml
60)	Aroclor 1268 (6)	9.327	46184	0.883 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 13:13
Operator : MJB / KAK
Sample : 0A16014-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 14:01:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 13:31
 Operator : MJB / KAK
 Sample : A9J0861-37
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Handwritten signature
 1/20/20

RR-2

Integration File: PCB1.e
 Quant Time: Jan 16 16:31:55 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.806	18289295	274.664 ng/ml
62) S DCBP (S)	9.564	21289217	190.635 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.690f	520579	139.268 ng/ml
3) Aroclor 1016 (2)	6.127	187993	26.132 ng/ml
4) Aroclor 1016 (3)	6.215	166792	41.982 ng/ml
5) Aroclor 1016 (4)	6.371	744803	208.199 ng/ml
6) Aroclor 1016 (5)	6.601	1480745	356.678 ng/ml
7) Aroclor 1016 (6)	6.718	535315	182.500 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.162	22147	20.460 ng/ml
10) Aroclor 1221 (2)	5.296	30185	42.066 ng/ml
11) Aroclor 1221 (3)	5.352	464556	198.519 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.352	464556	261.549 ng/ml
14) Aroclor 1232 (2)	6.127	187993	67.619 ng/ml
15) Aroclor 1232 (3)	6.215	166792	113.701 ng/ml
16) Aroclor 1232 (4)	6.371	744803	653.700 ng/ml
17) Aroclor 1232 (5)	6.601	1480745	1031.174 ng/ml
18) Aroclor 1232 (6)	6.718	535315	446.795 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.690f	520579	195.999 ng/ml
21) Aroclor 1242 (2)	6.127	187993	36.243 ng/ml
22) Aroclor 1242 (3)	6.215	166792	59.143 ng/ml
23) Aroclor 1242 (4)	6.371	744803	325.358 ng/ml
24) Aroclor 1242 (5)	6.601	1480745	496.111 ng/ml
25) Aroclor 1242 (6)	6.718	535315	213.339 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.127	187993	55.239 ng/ml
28) Aroclor 1248 (2)	6.371	744803	164.954 ng/ml
29) Aroclor 1248 (3)	6.601	1480745	283.730 ng/ml
30) Aroclor 1248 (4)	6.901	3070946	529.005 ng/ml
31) Aroclor 1248 (5)	6.922	3471620	563.638 ng/ml
32) Aroclor 1248 (6)	7.404	12688136	3712.785 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.922	3471620	578.785 ng/ml
35) Aroclor 1254 (2)	7.061	202616387	27803.021 ng/ml
36) Aroclor 1254 (3)	7.404	12688136	1131.861 ng/ml
37) Aroclor 1254 (4)	7.567	2389621	335.149 ng/ml
38) Aroclor 1254 (5)	7.967	202650847	26459.213 ng/ml
39) Aroclor 1254 (6)	8.239	704842	282.628 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.522	8631571	1036.478 ng/ml
42) Aroclor 1260 (2)	7.663	82269473	8063.741 ng/ml
43) Aroclor 1260 (3)	8.211	3348156	425.695 ng/ml
44) Aroclor 1260 (4)	8.382	8635902	463.835 ng/ml
45) Aroclor 1260 (5)	8.680	5548777	458.729 ng/ml
46) Aroclor 1260 (6)	9.071	2439052	476.880 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 13:31
 Operator : MJB / KAK
 Sample : A9J0861-37
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:31:55 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

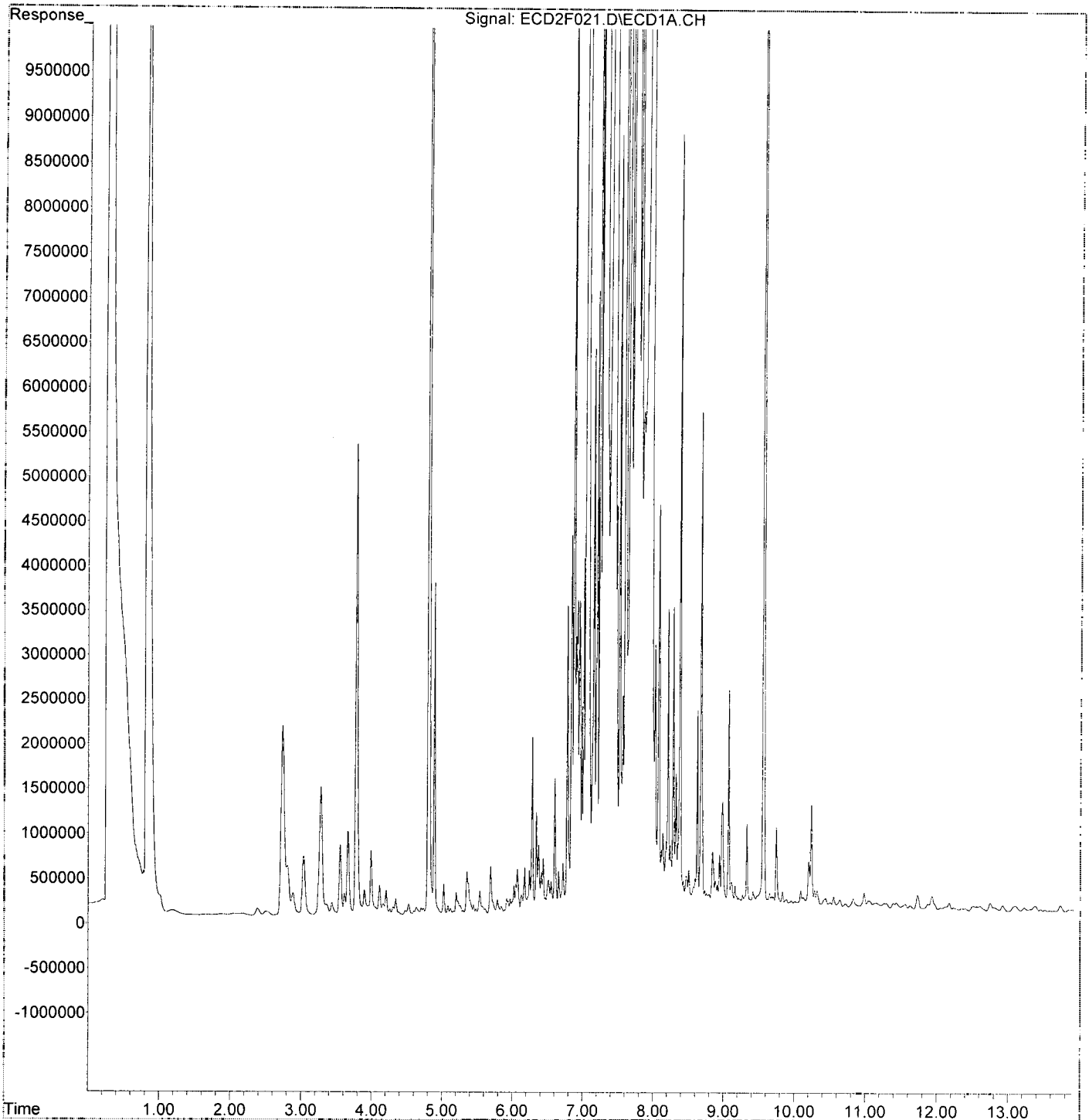
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.663	82269473	10224.366 ng/ml
49) Aroclor 1262 (2)	7.967	202650847	18053.414 ng/ml
50) Aroclor 1262 (3)	8.211	3348156	344.995 ng/ml
51) Aroclor 1262 (4)	8.382	8635902	417.999 ng/ml
52) Aroclor 1262 (5)	8.680	5548777	424.142 ng/ml
53) Aroclor 1262 (6)	9.071	2439052	365.311 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.211	3348156	655.956 ng/ml
56) Aroclor 1268 (2)	8.628	2199247	89.671 ng/ml
57) Aroclor 1268 (3)	8.680	5548777	271.810 ng/ml
58) Aroclor 1268 (4)	8.843	624162	32.588 ng/ml
59) Aroclor 1268 (5)	9.071	2439052	314.727 ng/ml
60) Aroclor 1268 (6)	9.330	915036	17.501 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F021.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 13:31
Operator : MJB / KAK
Sample : A9J0861-37
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 16:31:55 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 14:06
 Operator : MJB / KAK
 Sample : A9J0861-38
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:32:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/20/26

1260

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.805	13427244	201.647 ng/ml
62) S DCBP (S)	9.565	17602871	157.626 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.722	18565	4.967 ng/ml
3) Aroclor 1016 (2)	6.128	47090	6.546 ng/ml
4) Aroclor 1016 (3)	6.233	14538	3.659 ng/ml
5) Aroclor 1016 (4)	6.371	112978	31.581 ng/ml
6) Aroclor 1016 (5)	6.601	496737	119.653 ng/ml
7) Aroclor 1016 (6)	6.716	133268	45.434 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.162	14793	13.667 ng/ml
10) Aroclor 1221 (2)	5.296	13867	19.325 ng/ml
11) Aroclor 1221 (3)	5.349	153384	65.546 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.349	153384	86.357 ng/ml
14) Aroclor 1232 (2)	6.128	47090	16.938 ng/ml
15) Aroclor 1232 (3)	6.233	14538	9.910 ng/ml
16) Aroclor 1232 (4)	6.371	112978	99.159 ng/ml
17) Aroclor 1232 (5)	6.601	496737	345.922 ng/ml
18) Aroclor 1232 (6)	6.716	133268	111.231 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.722	18565	6.990 ng/ml
21) Aroclor 1242 (2)	6.128	47090	9.078 ng/ml
22) Aroclor 1242 (3)	6.233	14538	5.155 ng/ml
23) Aroclor 1242 (4)	6.371	112978	49.353 ng/ml
24) Aroclor 1242 (5)	6.601	496737	166.427 ng/ml
25) Aroclor 1242 (6)	6.716	133268	53.111 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.128	47090	13.836 ng/ml
28) Aroclor 1248 (2)	6.371	112978	25.022 ng/ml
29) Aroclor 1248 (3)	6.601	496737	95.181 ng/ml
30) Aroclor 1248 (4)	6.887	115314	19.864 ng/ml
31) Aroclor 1248 (5)	6.921	322465	52.354 ng/ml
32) Aroclor 1248 (6)	7.405	640492	187.420 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.921	322465	53.761 ng/ml
35) Aroclor 1254 (2)	7.033	533132	73.156 ng/ml
36) Aroclor 1254 (3)	7.405	640492	57.136 ng/ml
37) Aroclor 1254 (4)	7.575	577479	80.992 ng/ml
38) Aroclor 1254 (5)	7.948	909609	118.764 ng/ml
39) Aroclor 1254 (6)	8.238	135526	54.343 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.521	807167	96.924 ng/ml
42) Aroclor 1260 (2)	7.655	1166200	114.307 ng/ml
43) Aroclor 1260 (3)	8.210	587044	74.639 ng/ml
44) Aroclor 1260 (4)	8.370	2465414	132.418 ng/ml
45) Aroclor 1260 (5)	8.679	1075243	88.893 ng/ml
46) Aroclor 1260 (6)	9.070	396092	77.443 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

AMD

R-02

90.441

Data Path : K:\DATA\0A16014\
 Data File : ECD2F023.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 14:06
 Operator : MJB / KAK
 Sample : A9J0861-38
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:32:16 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

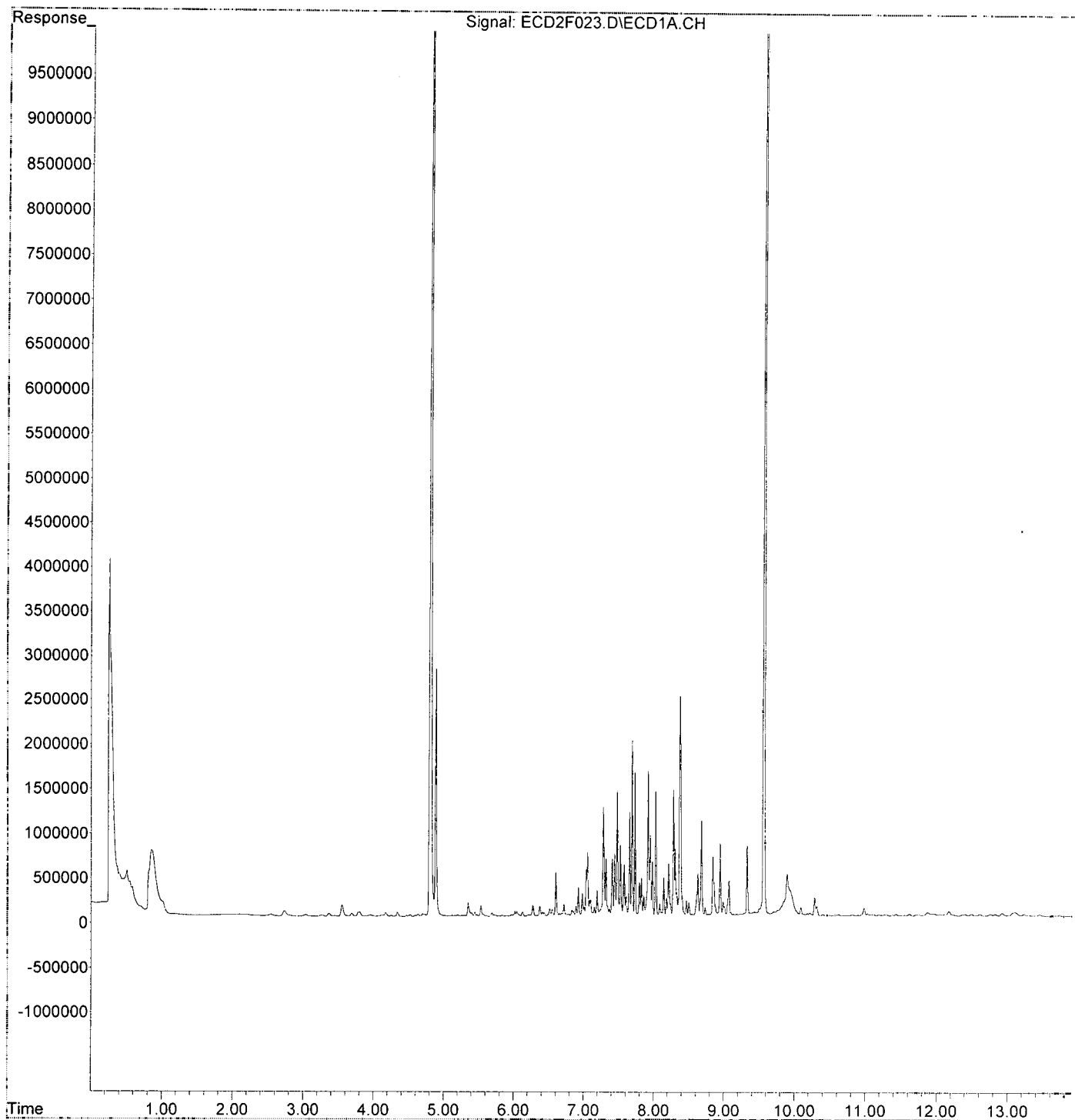
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.655	1166200	144.934 ng/ml
49) Aroclor 1262 (2)	7.978	607988	54.163 ng/ml
50) Aroclor 1262 (3)	8.210	587044	60.489 ng/ml
51) Aroclor 1262 (4)	8.370	2465414	119.332 ng/ml
52) Aroclor 1262 (5)	8.679	1075243	82.190 ng/ml
53) Aroclor 1262 (6)	9.070	396092	59.325 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.210	587044	115.011 ng/ml
56) Aroclor 1268 (2)	8.628	474188	19.334 ng/ml
57) Aroclor 1268 (3)	8.679	1075243	52.671 ng/ml
58) Aroclor 1268 (4)	8.855	385164	20.109 ng/ml
59) Aroclor 1268 (5)	9.070	396092	51.110 ng/ml
60) Aroclor 1268 (6)	9.328	785838	15.030 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F023.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 14:06
Operator : MJB / KAK
Sample : A9J0861-38
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 16:32:16 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 15:52
 Operator : MJB / KAK
 Sample : 0A16014-CCV4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:33:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	18862932	283.279	ng/ml
62) S DCBP (S)	9.562	30077193	269.328	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.725	1824049	487.980	ng/ml
3) Aroclor 1016 (2)	6.138	3970904	551.982	ng/ml
4) Aroclor 1016 (3)	6.219	2111701	531.523	ng/ml
5) Aroclor 1016 (4)	6.374	1970160	550.731	ng/ml
6) Aroclor 1016 (5)	6.596	2215890	533.758	ng/ml
7) Aroclor 1016 (6)	6.723	1638201	558.497	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	192282	177.639	ng/ml
10) Aroclor 1221 (2)	5.282	206678	288.026	ng/ml
11) Aroclor 1221 (3)	5.364	903980	386.298	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	903980	508.948	ng/ml
14) Aroclor 1232 (2)	6.138	3970904	1428.289	ng/ml
15) Aroclor 1232 (3)	6.219	2111701	1439.527	ng/ml
16) Aroclor 1232 (4)	6.374	1970160	1729.174	ng/ml
17) Aroclor 1232 (5)	6.596	2215890	1543.121	ng/ml
18) Aroclor 1232 (6)	6.723	1638201	1367.308	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.725	1824049	686.759	ng/ml
21) Aroclor 1242 (2)	6.138	3970904	765.537	ng/ml
22) Aroclor 1242 (3)	6.219	2111701	748.785	ng/ml
23) Aroclor 1242 (4)	6.374	1970160	860.640	ng/ml
24) Aroclor 1242 (5)	6.596	2215890	742.415	ng/ml
25) Aroclor 1242 (6)	6.723	1638201	652.872	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.138	3970904	1166.782	ng/ml
28) Aroclor 1248 (2)	6.374	1970160	436.338	ng/ml
29) Aroclor 1248 (3)	6.596	2215890	424.593	ng/ml
30) Aroclor 1248 (4)	6.890	429107	73.918	ng/ml
31) Aroclor 1248 (5)	6.922	1490311	241.961	ng/ml
32) Aroclor 1248 (6)	7.409	3337938	976.743	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.922	1490311	248.463	ng/ml
35) Aroclor 1254 (2)	7.032	1611101	221.075	ng/ml
36) Aroclor 1254 (3)	7.409	3337938	297.765	ng/ml
37) Aroclor 1254 (4)	7.569	457162	64.118	ng/ml
38) Aroclor 1254 (5)	7.947	4364164	569.809	ng/ml
39) Aroclor 1254 (6)	8.239	431264	172.928	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.521	4471355	536.920	ng/ml
42) Aroclor 1260 (2)	7.655	5513604	540.423	ng/ml
43) Aroclor 1260 (3)	8.210	4014968	510.475	ng/ml
44) Aroclor 1260 (4)	8.379	10105622	542.774	ng/ml
45) Aroclor 1260 (5)	8.677	6206369	513.094	ng/ml
46) Aroclor 1260 (6)	9.067	2475735	484.052	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F029.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 15:52
 Operator : MJB / KAK
 Sample : 0A16014-CCV4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:33:22 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

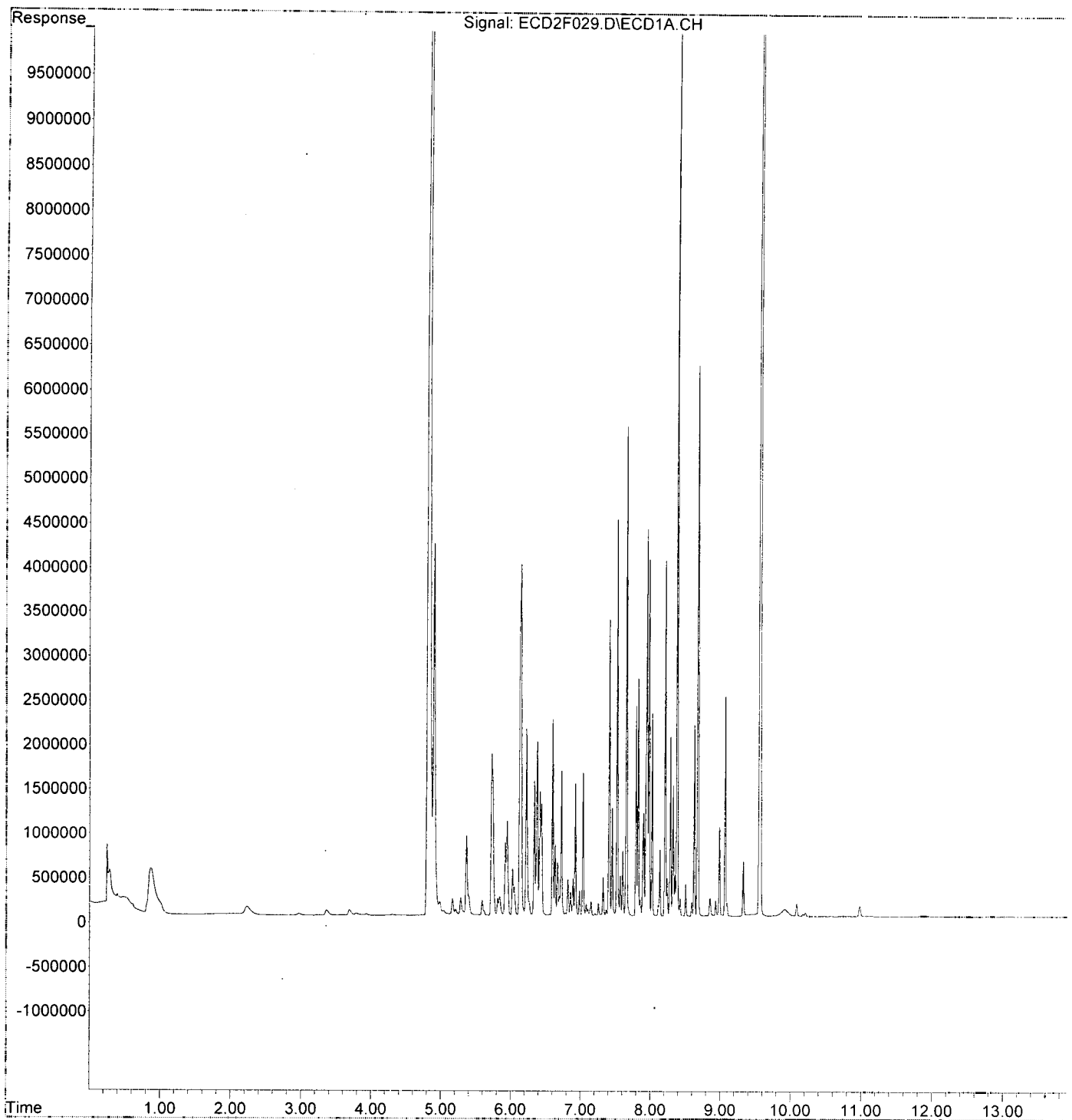
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.655	5513604	685.225	ng/ml
49) Aroclor 1262 (2)	7.978	4032435	359.235	ng/ml
50) Aroclor 1262 (3)	8.210	4014968	413.704	ng/ml
51) Aroclor 1262 (4)	8.379	10105622	489.137	ng/ml
52) Aroclor 1262 (5)	8.677	6206369	474.407	ng/ml
53) Aroclor 1262 (6)	9.067	2475735	370.806	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.210	4014968	786.595	ng/ml
56) Aroclor 1268 (2)	8.626	2158327	88.003	ng/ml
57) Aroclor 1268 (3)	8.677	6206369	304.022	ng/ml
58) Aroclor 1268 (4)	8.852	206038	10.757	ng/ml
59) Aroclor 1268 (5)	9.067	2475735	319.461	ng/ml
60) Aroclor 1268 (6)	9.326	619140	11.842	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F029.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 15:52
Operator : MJB / KAK
Sample : 0A16014-CCV4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 16:33:22 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A16014\
 Data File : ECD2F030.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 16:10
 Operator : MJB / KAK
 Sample : 0A16014-CCB4
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:33:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	6899113	103.609	ng/ml
62) S DCBP (S)	9.560	11414679	102.213	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.732	3850	1.030	ng/ml
3) Aroclor 1016 (2)	6.151	7174	0.997	ng/ml
4) Aroclor 1016 (3)	6.231	5350	1.347	ng/ml
5) Aroclor 1016 (4)	6.380	2130	0.595	ng/ml
6) Aroclor 1016 (5)	6.598	3097	0.746	ng/ml
7) Aroclor 1016 (6)	6.727	2175	0.742	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.161	13149	12.148	ng/ml
10) Aroclor 1221 (2)	5.288	12696	17.694	ng/ml
11) Aroclor 1221 (3)	5.364	11964	5.113	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	11964	6.736	ng/ml
14) Aroclor 1232 (2)	6.151	7174	2.580	ng/ml
15) Aroclor 1232 (3)	6.231	5350	3.647	ng/ml
16) Aroclor 1232 (4)	6.380	2130	1.869	ng/ml
17) Aroclor 1232 (5)	6.598	3097	2.157	ng/ml
18) Aroclor 1232 (6)	6.727	2175	1.815	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.732	3850	1.450	ng/ml
21) Aroclor 1242 (2)	6.151	7174	1.383	ng/ml
22) Aroclor 1242 (3)	6.231	5350	1.897	ng/ml
23) Aroclor 1242 (4)	6.380	2130	0.930	ng/ml
24) Aroclor 1242 (5)	6.598	3097	1.038	ng/ml
25) Aroclor 1242 (6)	6.727	2175	0.867	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.151	7174	2.108	ng/ml
28) Aroclor 1248 (2)	6.380	2130	0.472	ng/ml
29) Aroclor 1248 (3)	6.598	3097	0.593	ng/ml
30) Aroclor 1248 (4)	6.891	2676	0.461	ng/ml
31) Aroclor 1248 (5)	6.930	3488	0.566	ng/ml
32) Aroclor 1248 (6)	7.407	3578	1.047	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.930	3488	0.581	ng/ml
35) Aroclor 1254 (2)	7.028	2530	0.347	ng/ml
36) Aroclor 1254 (3)	7.407	3578	0.319	ng/ml
37) Aroclor 1254 (4)	7.569	4571	0.641	ng/ml
38) Aroclor 1254 (5)	7.955	5169	0.675	ng/ml
39) Aroclor 1254 (6)	8.241	2486	0.997	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.524	4984	0.599	ng/ml
42) Aroclor 1260 (2)	7.655	5535	0.543	ng/ml
43) Aroclor 1260 (3)	8.210	2527	0.321	ng/ml
44) Aroclor 1260 (4)	8.377	4354	0.234	ng/ml
45) Aroclor 1260 (5)	8.678	2472	0.204	ng/ml
46) Aroclor 1260 (6)	9.068	5930	1.159	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A16014\
 Data File : ECD2F030.D
 Signal(s) : ECD1A.CH
 Acq On : 16 Jan 2020 16:10
 Operator : MJB / KAK
 Sample : 0A16014-CCB4
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 16 16:33:44 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

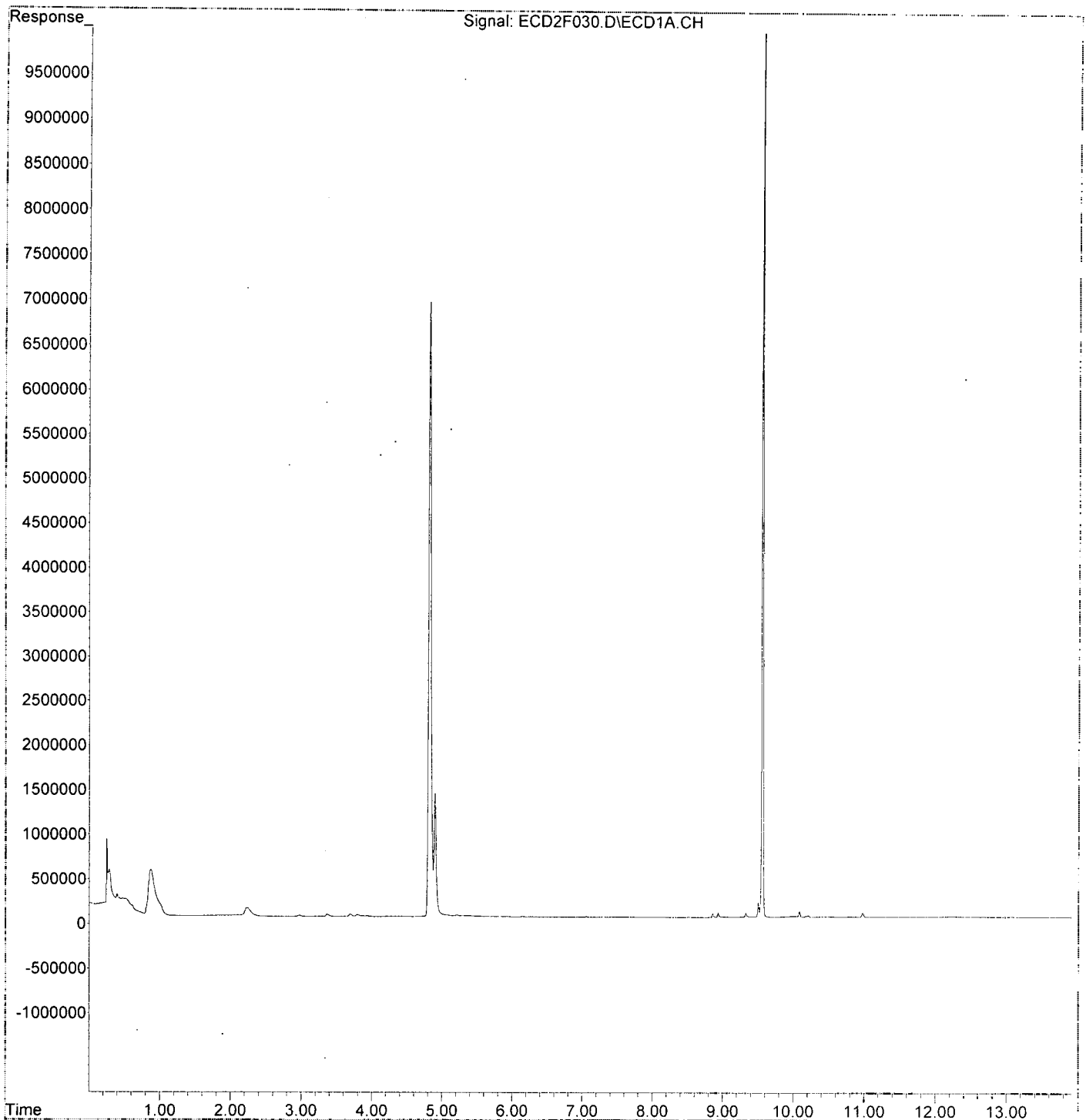
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.655	5535	0.688 ng/ml
49) Aroclor 1262 (2)	7.975	3623	0.323 ng/ml
50) Aroclor 1262 (3)	8.210	2527	0.260 ng/ml
51) Aroclor 1262 (4)	8.377	4354	0.211 ng/ml
52) Aroclor 1262 (5)	8.678	2472	0.189 ng/ml
53) Aroclor 1262 (6)	9.068	5930	0.888 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.210	2527	0.495 ng/ml
56) Aroclor 1268 (2)	8.630	796	0.032 ng/ml
57) Aroclor 1268 (3)	8.678	2472	0.121 ng/ml
58) Aroclor 1268 (4)	8.857	46057	2.405 ng/ml
59) Aroclor 1268 (5)	9.068	5930	0.765 ng/ml
60) Aroclor 1268 (6)	9.327	48462	0.927 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A16014\
Data File : ECD2F030.D
Signal(s) : ECD1A.CH
Acq On : 16 Jan 2020 16:10
Operator : MJB / KAK
Sample : 0A16014-CCB4
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 16 16:33:44 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019.
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 0A17007 (A9J0861-35RE1,37RE1)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A17007**

Instrument: **DUALECD2F**

Date: **01/17/20 07:25**

Calibration: **A9L0407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A17007-CCV1	Sediment	QC	QC				A19L338
2	0A17007-CCB1	Sediment	QC	QC				A19L339
3	A9J0861-35RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
4	0A17007-IBL1	Sediment	QC	QC				A18L189
5	A9J0861-37RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010092		
6	0A17007-IBL2	Sediment	QC	QC				
7	0A17007-CCV2	Sediment	QC	QC				A19L338
8	0A17007-CCB2	Sediment	QC	QC				A19L339

Data Entered By: [Signature] 1/20/20

Comments:

Data Reviewed By: [Signature] 1/20/20

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.

0A17007-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	487.72
1016 (2)	543.43
1016 (3)	526.48
1016 (4)	529.68
1016 (5)	529.31
1016 (6)	545.02
Average:	526.94

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	519.56
1260 (2)	521.41
1260 (3)	518.35
1260 (4)	527.34
1260 (5)	538.05
1260 (6)	492.48
Average:	519.53

0A17007-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	476.75
1016 (2)	553.35
1016 (3)	508.79
1016 (4)	525.05
1016 (5)	523.65
1016 (6)	545.23
Average:	522.14

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	541.50
1260 (2)	558.60
1260 (3)	517.81
1260 (4)	546.82
1260 (5)	552.35
1260 (6)	493.87
Average:	535.16

Data Path : K:\DATA\0A17007\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 8:28
 Operator : MJB / KAK
 Sample : 0A17007-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:12:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.812	18356365	275.672	ng/ml
62) S DCBP (S)	9.558	28650592	256.553	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.724	1823061	487.716	ng/ml
3) Aroclor 1016 (2)	6.138	3909399	543.432	ng/ml
4) Aroclor 1016 (3)	6.219	2091653	526.477	ng/ml
5) Aroclor 1016 (4)	6.374	1894851	529.679	ng/ml
6) Aroclor 1016 (5)	6.596	2197416	529.308	ng/ml
7) Aroclor 1016 (6)	6.722	1598664	545.018	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	182251	168.371	ng/ml
10) Aroclor 1221 (2)	5.282	203373	283.419	ng/ml
11) Aroclor 1221 (3)	5.364	877335	374.912	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	877335	493.947	ng/ml
14) Aroclor 1232 (2)	6.138	3909399	1406.166	ng/ml
15) Aroclor 1232 (3)	6.219	2091653	1425.860	ng/ml
16) Aroclor 1232 (4)	6.374	1894851	1663.076	ng/ml
17) Aroclor 1232 (5)	6.596	2197416	1530.256	ng/ml
18) Aroclor 1232 (6)	6.722	1598664	1334.309	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.724	1823061	686.387	ng/ml
21) Aroclor 1242 (2)	6.138	3909399	753.680	ng/ml
22) Aroclor 1242 (3)	6.219	2091653	741.676	ng/ml
23) Aroclor 1242 (4)	6.374	1894851	827.742	ng/ml
24) Aroclor 1242 (5)	6.596	2197416	736.225	ng/ml
25) Aroclor 1242 (6)	6.722	1598664	637.115	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.138	3909399	1148.710	ng/ml
28) Aroclor 1248 (2)	6.374	1894851	419.659	ng/ml
29) Aroclor 1248 (3)	6.596	2197416	421.053	ng/ml
30) Aroclor 1248 (4)	6.889	417633	71.942	ng/ml
31) Aroclor 1248 (5)	6.921	1454511	236.149	ng/ml
32) Aroclor 1248 (6)	7.407	3353830	981.393	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.921	1454511	242.495	ng/ml
35) Aroclor 1254 (2)	7.031	1618989	222.158	ng/ml
36) Aroclor 1254 (3)	7.407	3353830	299.183	ng/ml
37) Aroclor 1254 (4)	7.567	450312	63.157	ng/ml
38) Aroclor 1254 (5)	7.947	4322183	564.328	ng/ml
39) Aroclor 1254 (6)	8.238	467017	187.265	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.520	4326806	519.562	ng/ml
42) Aroclor 1260 (2)	7.653	5319624	521.409	ng/ml
43) Aroclor 1260 (3)	8.208	4076875	518.346	ng/ml
44) Aroclor 1260 (4)	8.378	9818263	527.340	ng/ml
45) Aroclor 1260 (5)	8.676	6508295	538.055	ng/ml
46) Aroclor 1260 (6)	9.065	2518854	492.483	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A17007\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 8:28
 Operator : MJB / KAK
 Sample : 0A17007-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:12:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

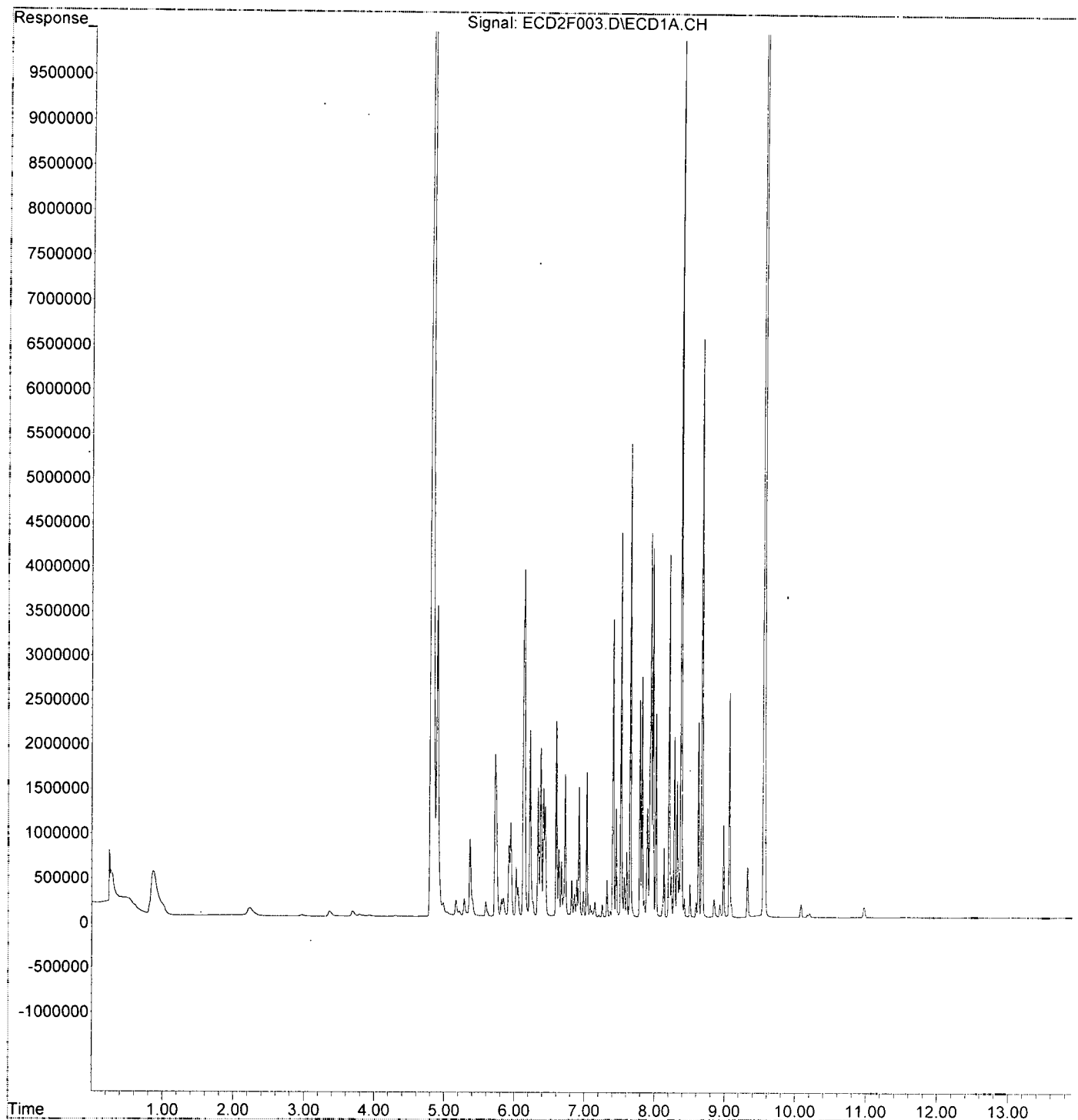
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.653	5319624	661.117	ng/ml
49)	Aroclor 1262 (2)	7.976	4147313	369.469	ng/ml
50)	Aroclor 1262 (3)	8.208	4076875	420.083	ng/ml
51)	Aroclor 1262 (4)	8.378	9818263	475.228	ng/ml
52)	Aroclor 1262 (5)	8.676	6508295	497.486	ng/ml
53)	Aroclor 1262 (6)	9.065	2518854	377.264	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.208	4076875	798.724	ng/ml
56)	Aroclor 1268 (2)	8.624	2188667	89.240	ng/ml
57)	Aroclor 1268 (3)	8.676	6508295	318.812	ng/ml
58)	Aroclor 1268 (4)	8.849	202731	10.585	ng/ml
59)	Aroclor 1268 (5)	9.065	2518854	325.024	ng/ml
60)	Aroclor 1268 (6)	9.324	567996	10.864	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A17007\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 8:28
Operator : MJB / KAK
Sample : 0A17007-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:12:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A17007\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 8:46
 Operator : MJB / KAK
 Sample : 0A17007-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:13:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.812	6758578	101.499 ng/ml
62) S DCBP (S)	9.559	11149111	99.835 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.730	3684	0.986 ng/ml
3) Aroclor 1016 (2)	6.152	5935	0.825 ng/ml
4) Aroclor 1016 (3)	6.232	4219	1.062 ng/ml
5) Aroclor 1016 (4)	6.381	1995	0.558 ng/ml
6) Aroclor 1016 (5)	6.599	2333	0.562 ng/ml
7) Aroclor 1016 (6)	6.723	1769	0.603 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.179	12963	11.976 ng/ml
10) Aroclor 1221 (2)	5.289	11910	16.597 ng/ml
11) Aroclor 1221 (3)	5.363	11957	5.110 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.363	11957	6.732 ng/ml
14) Aroclor 1232 (2)	6.152	5935	2.135 ng/ml
15) Aroclor 1232 (3)	6.232	4219	2.876 ng/ml
16) Aroclor 1232 (4)	6.381	1995	1.751 ng/ml
17) Aroclor 1232 (5)	6.599	2333	1.625 ng/ml
18) Aroclor 1232 (6)	6.723	1769	1.477 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.730	3684	1.387 ng/ml
21) Aroclor 1242 (2)	6.152	5935	1.144 ng/ml
22) Aroclor 1242 (3)	6.232	4219	1.496 ng/ml
23) Aroclor 1242 (4)	6.381	1995	0.872 ng/ml
24) Aroclor 1242 (5)	6.599	2333	0.782 ng/ml
25) Aroclor 1242 (6)	6.723	1769	0.705 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.152	5935	1.744 ng/ml
28) Aroclor 1248 (2)	6.381	1995	0.442 ng/ml
29) Aroclor 1248 (3)	6.599	2333	0.447 ng/ml
30) Aroclor 1248 (4)	6.892	1441	0.248 ng/ml
31) Aroclor 1248 (5)	6.927	2872	0.466 ng/ml
32) Aroclor 1248 (6)	7.409	2089	0.611 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.927	2872	0.479 ng/ml
35) Aroclor 1254 (2)	7.034	1619	0.222 ng/ml
36) Aroclor 1254 (3)	7.409	2089	0.186 ng/ml
37) Aroclor 1254 (4)	7.568	3597	0.504 ng/ml
38) Aroclor 1254 (5)	7.954	3375	0.441 ng/ml
39) Aroclor 1254 (6)	8.238	539	0.216 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.520	3908	0.469 ng/ml
42) Aroclor 1260 (2)	7.654	3883	0.381 ng/ml
43) Aroclor 1260 (3)	8.216	525	0.067 ng/ml
44) Aroclor 1260 (4)	8.377	5758	0.309 ng/ml
45) Aroclor 1260 (5)	8.679	2139	0.177 ng/ml
46) Aroclor 1260 (6)	9.065	2246	0.439 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A17007\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 8:46
 Operator : MJB / KAK
 Sample : 0A17007-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:13:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

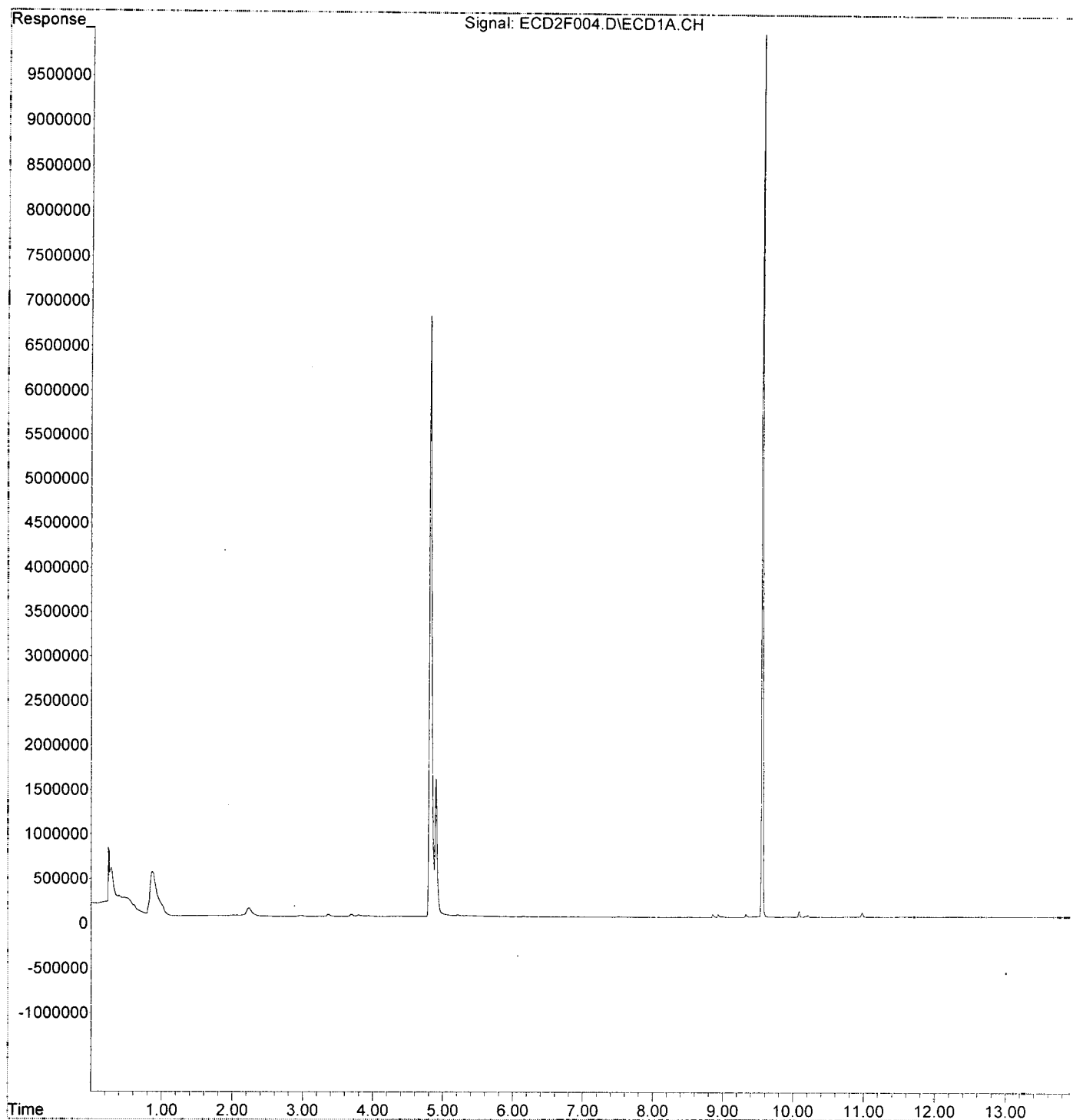
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	7.654	3883	0.483 ng/ml
49)	Aroclor 1262 (2)	7.982	1944	0.173 ng/ml
50)	Aroclor 1262 (3)	8.216	525	0.054 ng/ml
51)	Aroclor 1262 (4)	8.377	5758	0.279 ng/ml
52)	Aroclor 1262 (5)	8.679	2139	0.164 ng/ml
53)	Aroclor 1262 (6)	9.065	2246	0.336 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.216	525	0.103 ng/ml
56)	Aroclor 1268 (2)	8.627	1036	0.042 ng/ml
57)	Aroclor 1268 (3)	8.679	2139	0.105 ng/ml
58)	Aroclor 1268 (4)	8.855	34609	1.807 ng/ml
59)	Aroclor 1268 (5)	9.065	2246	0.290 ng/ml
60)	Aroclor 1268 (6)	9.327	35352	0.676 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A17007\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 8:46
Operator : MJB / KAK
Sample : 0A17007-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:13:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A17007\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 11:20
 Operator : MJB / KAK
 Sample : A9J0861-35RE1(5)
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:14:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/20/20
1254 P-10
1260 P-10

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.812	4067103	61.079	ng/ml ✓
62) S DCBP (S)	9.565	4886511	43.756	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.725	188672	50.475	ng/ml
3) Aroclor 1016 (2)	6.133	441006	61.303	ng/ml
4) Aroclor 1016 (3)	6.216	285524	71.867	ng/ml
5) Aroclor 1016 (4)	6.375	498739	139.416	ng/ml
6) Aroclor 1016 (5)	6.605	1584613	381.698	ng/ml
7) Aroclor 1016 (6)	6.723	591786	201.752	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.151	87882	81.189	ng/ml
10) Aroclor 1221 (2)	5.301	90453	126.054	ng/ml
11) Aroclor 1221 (3)	5.356	455234	194.535	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.356	455234	256.301	ng/ml
14) Aroclor 1232 (2)	6.133	441006	158.625	ng/ml
15) Aroclor 1232 (3)	6.216	285524	194.639	ng/ml
16) Aroclor 1232 (4)	6.375	498739	437.735	ng/ml
17) Aroclor 1232 (5)	6.605	1584613	1103.507	ng/ml
18) Aroclor 1232 (6)	6.723	591786	493.928	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.725	188672	71.036	ng/ml
21) Aroclor 1242 (2)	6.133	441006	85.020	ng/ml
22) Aroclor 1242 (3)	6.216	285524	101.244	ng/ml
23) Aroclor 1242 (4)	6.375	498739	217.868	ng/ml
24) Aroclor 1242 (5)	6.605	1584613	530.911	ng/ml
25) Aroclor 1242 (6)	6.723	591786	235.844	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.133	441006	129.582	ng/ml
28) Aroclor 1248 (2)	6.375	498739	110.458	ng/ml
29) Aroclor 1248 (3)	6.605	1584613	303.632	ng/ml
30) Aroclor 1248 (4)	6.890	592040	101.985	ng/ml
31) Aroclor 1248 (5)	6.926	865989	140.599	ng/ml
32) Aroclor 1248 (6)	7.405	980000	286.766	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.926	865989	144.377	ng/ml
35) Aroclor 1254 (2)	7.056	2895060	397.260	ng/ml
36) Aroclor 1254 (3)	7.405	980000	87.422	ng/ml
37) Aroclor 1254 (4)	7.570	604547	84.789	ng/ml
38) Aroclor 1254 (5)	7.949	1109163	144.818	ng/ml
39) Aroclor 1254 (6)	8.239	237490	95.229	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.523	837229	100.534	ng/ml
42) Aroclor 1260 (2)	7.657	1087315	106.575	ng/ml
43) Aroclor 1260 (3)	8.212	459068	58.367	ng/ml
44) Aroclor 1260 (4)	8.382	1089009	58.491	ng/ml
45) Aroclor 1260 (5)	8.681	779048	64.406	ng/ml
46) Aroclor 1260 (6)	9.071	310586	60.725	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

R-02

89.147

60.497

Data Path : K:\DATA\0A17007\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 11:20
 Operator : MJB / KAK
 Sample : A9J0861-35RE1@5
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:14:13 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

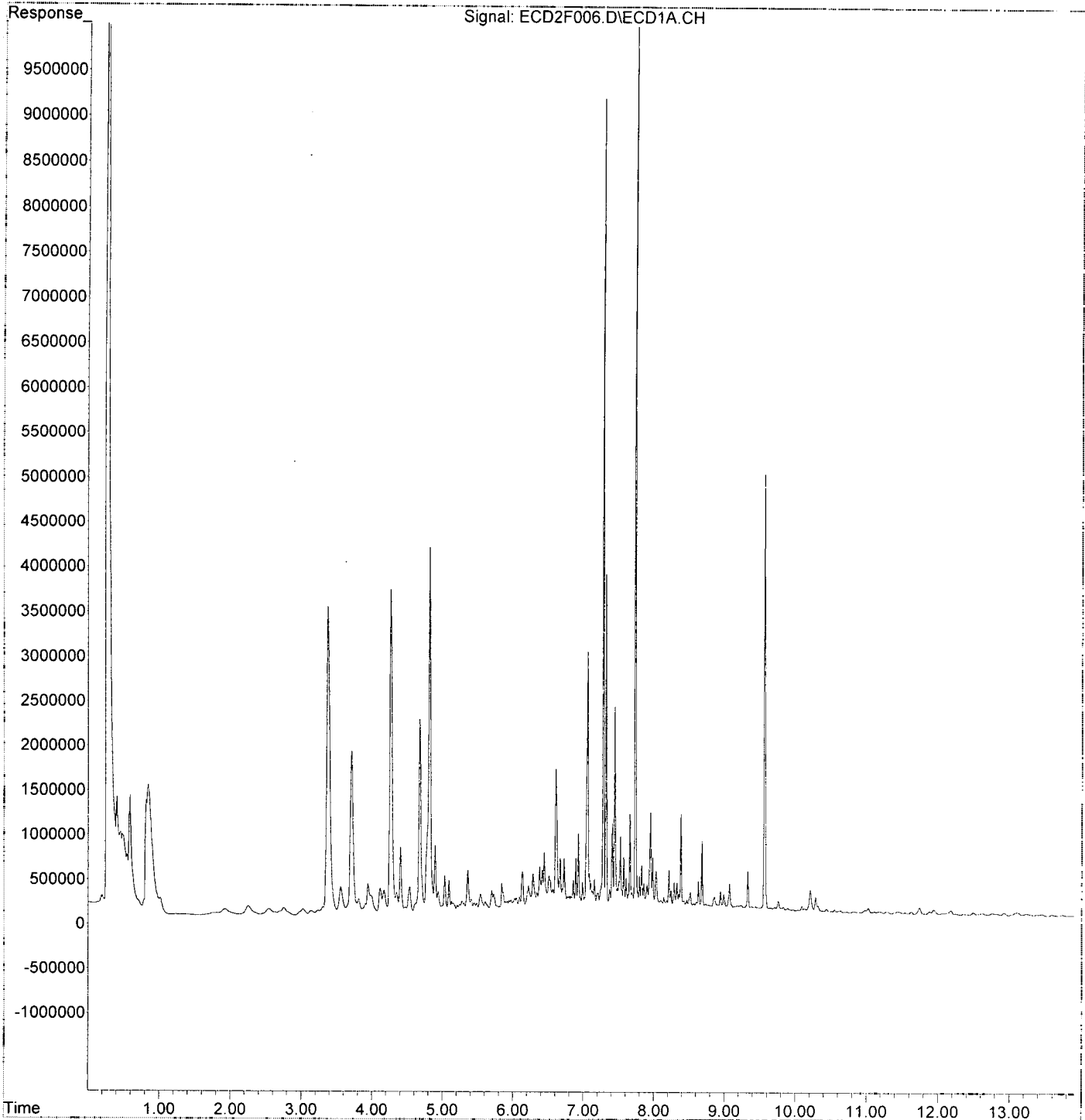
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.657	1087315	135.130 ng/ml
49) Aroclor 1262 (2)	7.980	604968	53.894 ng/ml
50) Aroclor 1262 (3)	8.212	459068	47.303 ng/ml
51) Aroclor 1262 (4)	8.382	1089009	52.711 ng/ml
52) Aroclor 1262 (5)	8.681	779048	59.549 ng/ml
53) Aroclor 1262 (6)	9.071	310586	46.518 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.212	459068	89.939 ng/ml
56) Aroclor 1268 (2)	8.629	337259	13.751 ng/ml
57) Aroclor 1268 (3)	8.681	779048	38.162 ng/ml
58) Aroclor 1268 (4)	8.858	162167	8.467 ng/ml
59) Aroclor 1268 (5)	9.071	310586	40.077 ng/ml
60) Aroclor 1268 (6)	9.329	456444	8.730 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A17007\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 11:20
Operator : MJB / KAK
Sample : A9J0861-35RE1@5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:14:13 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A17007\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 11:55
 Operator : MJB / KAK
 Sample : A9J0861-37RE185
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:14:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/20/20
 1260

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.804	3399417	51.052 ng/ml
62) S DCBP (S)	9.556	4440071	39.759 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.688 5.718	102187	27.338 ng/ml
3) Aroclor 1016 (2)	6.124	39989	5.559 ng/ml
4) Aroclor 1016 (3)	6.212	54986	13.840 ng/ml
5) Aroclor 1016 (4)	6.366	211419	59.099 ng/ml
6) Aroclor 1016 (5)	6.597	313996	75.635 ng/ml
7) Aroclor 1016 (6)	6.716	118713	40.472 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.164	8841	8.167 ng/ml
10) Aroclor 1221 (2)	5.294	11739	16.360 ng/ml
11) Aroclor 1221 (3)	5.350	106933	45.696 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.350	106933	60.204 ng/ml
14) Aroclor 1232 (2)	6.124	39989	14.383 ng/ml
15) Aroclor 1232 (3)	6.212	54986	37.483 ng/ml
16) Aroclor 1232 (4)	6.366	211419	185.558 ng/ml
17) Aroclor 1232 (5)	6.597	313996	218.663 ng/ml
18) Aroclor 1232 (6)	6.716	118713	99.083 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.688 5.718	102187	38.474 ng/ml
21) Aroclor 1242 (2)	6.124	39989	7.709 ng/ml
22) Aroclor 1242 (3)	6.212	54986	19.497 ng/ml
23) Aroclor 1242 (4)	6.366	211419	92.356 ng/ml
24) Aroclor 1242 (5)	6.597	313996	105.202 ng/ml
25) Aroclor 1242 (6)	6.716	118713	47.311 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.124	39989	11.750 ng/ml
28) Aroclor 1248 (2)	6.366	211419	46.824 ng/ml
29) Aroclor 1248 (3)	6.597	313996	60.166 ng/ml
30) Aroclor 1248 (4)	6.899	733548	126.362 ng/ml
31) Aroclor 1248 (5)	6.917	875603	142.159 ng/ml
32) Aroclor 1248 (6)	7.393	3306128	967.435 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.917	875603	145.980 ng/ml
35) Aroclor 1254 (2)	7.052	48358719	6635.784 ng/ml
36) Aroclor 1254 (3)	7.393	3306128	294.927 ng/ml
37) Aroclor 1254 (4)	7.562	554526	77.773 ng/ml
38) Aroclor 1254 (5)	7.960	202689548	26464.265 ng/ml
39) Aroclor 1254 (6)	8.235	199619	80.043 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.517	1806948	216.978 ng/ml
42) Aroclor 1260 (2)	7.658	158149248	1550.119 ng/ml
43) Aroclor 1260 (3)	8.206	727765	92.530 ng/ml
44) Aroclor 1260 (4)	8.376	1743489	93.643 ng/ml
45) Aroclor 1260 (5)	8.674	1132675	93.641 ng/ml
46) Aroclor 1260 (6)	9.064	518592	101.394 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

7
 7.681MI
 ↑ MDC
 R-02
 10.849MI
 ↑ MDC
 R-02
 95.302

Data Path : K:\DATA\0A17007\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 11:55
 Operator : MJB / KAK
 Sample : A9J0861-37RE1@5
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:14:35 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.658	15814924	1965.463 ng/ml
49) Aroclor 1262 (2)	7.960 7.973	202689548	18056.862 ng/ml 266.504MI
50) Aroclor 1262 (3)	8.206	727765	74.989 ng/ml
51) Aroclor 1262 (4)	8.376	1743489	84.389 ng/ml
52) Aroclor 1262 (5)	8.674	1132675	86.580 ng/ml
53) Aroclor 1262 (6)	9.064	518592	77.673 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.206	727765	142.581 ng/ml
56) Aroclor 1268 (2)	8.623	490377	19.994 ng/ml
57) Aroclor 1268 (3)	8.674	1132675	55.485 ng/ml
58) Aroclor 1268 (4)	8.837	137931	7.201 ng/ml
59) Aroclor 1268 (5)	9.064	518592	66.917 ng/ml
60) Aroclor 1268 (6)	9.322	203798	3.898 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

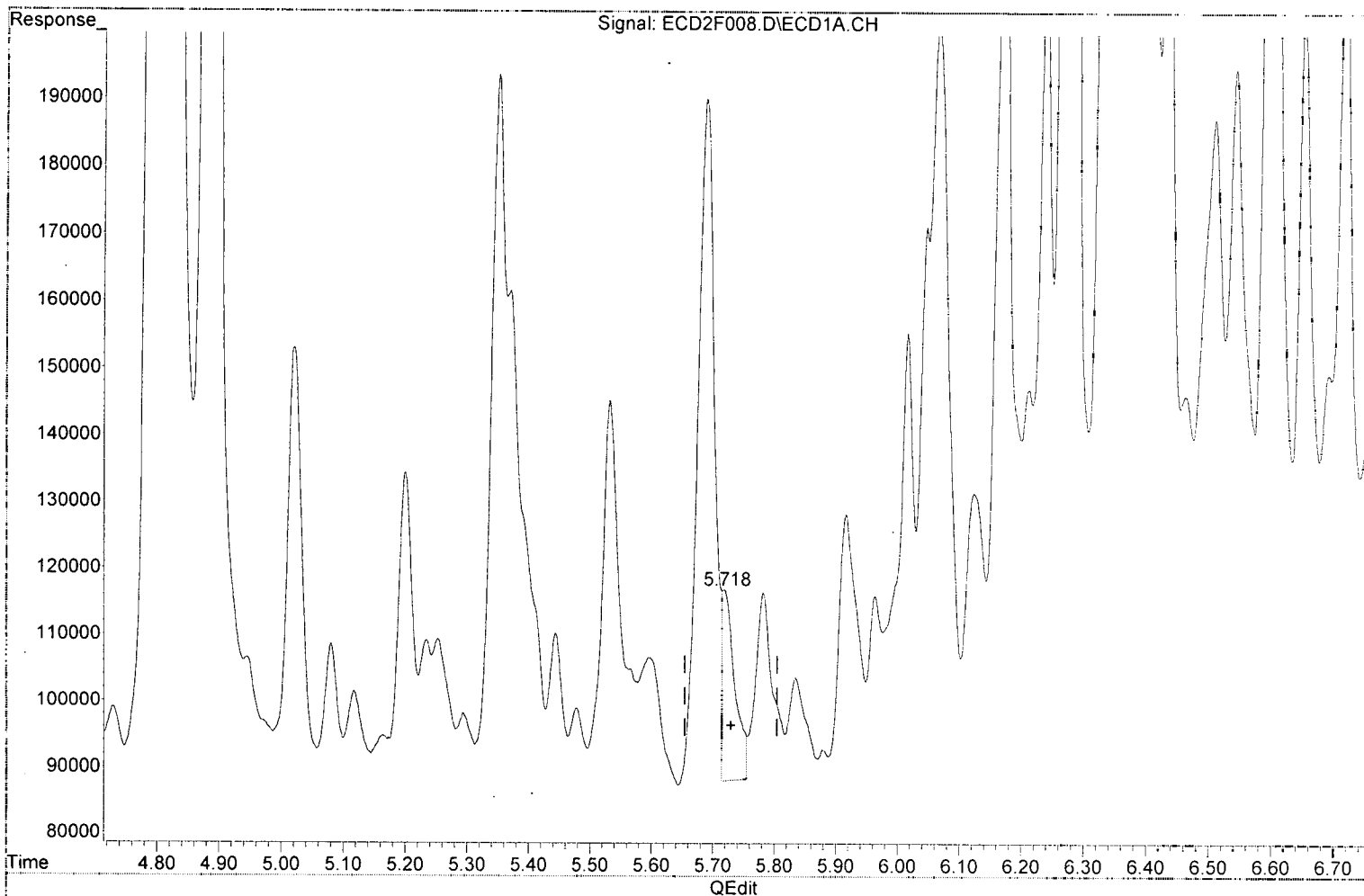
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Qedit)

Data Path : K:\DATA\0A17007\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 11:55
Operator : MJB / KAK
Sample : A9J0861-37RE1@5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:14:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(2) Aroclor 1016 (1)

5.718min 7.681 ng/ml/m

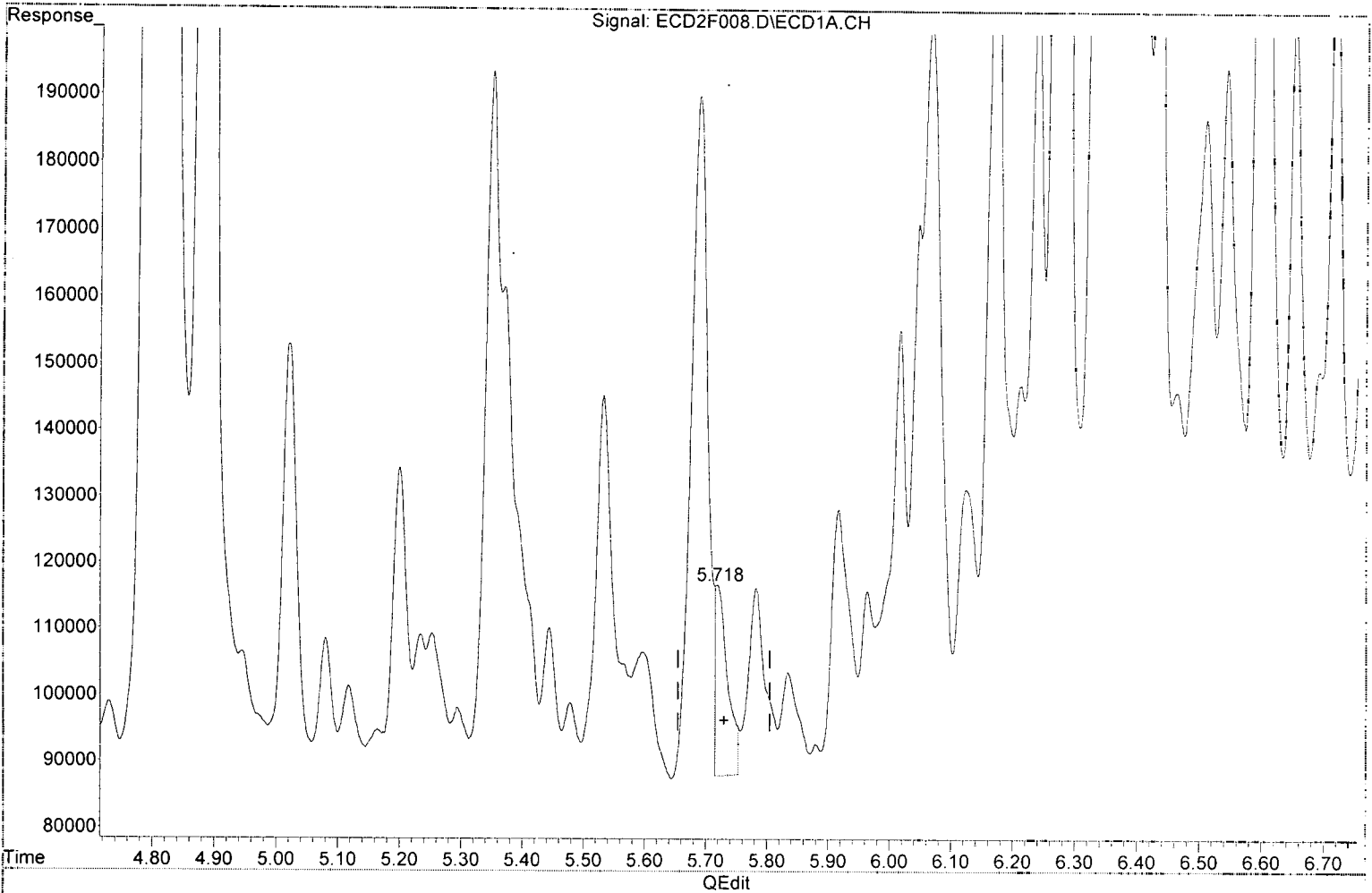
response 28711

MJB
02/20/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0A17007\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 11:55
Operator : MJB / KAK
Sample : A9J0861-37RE1@5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:14:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(20) Aroclor 1242 (1)

5.718min 10.849 ng/ml (m)

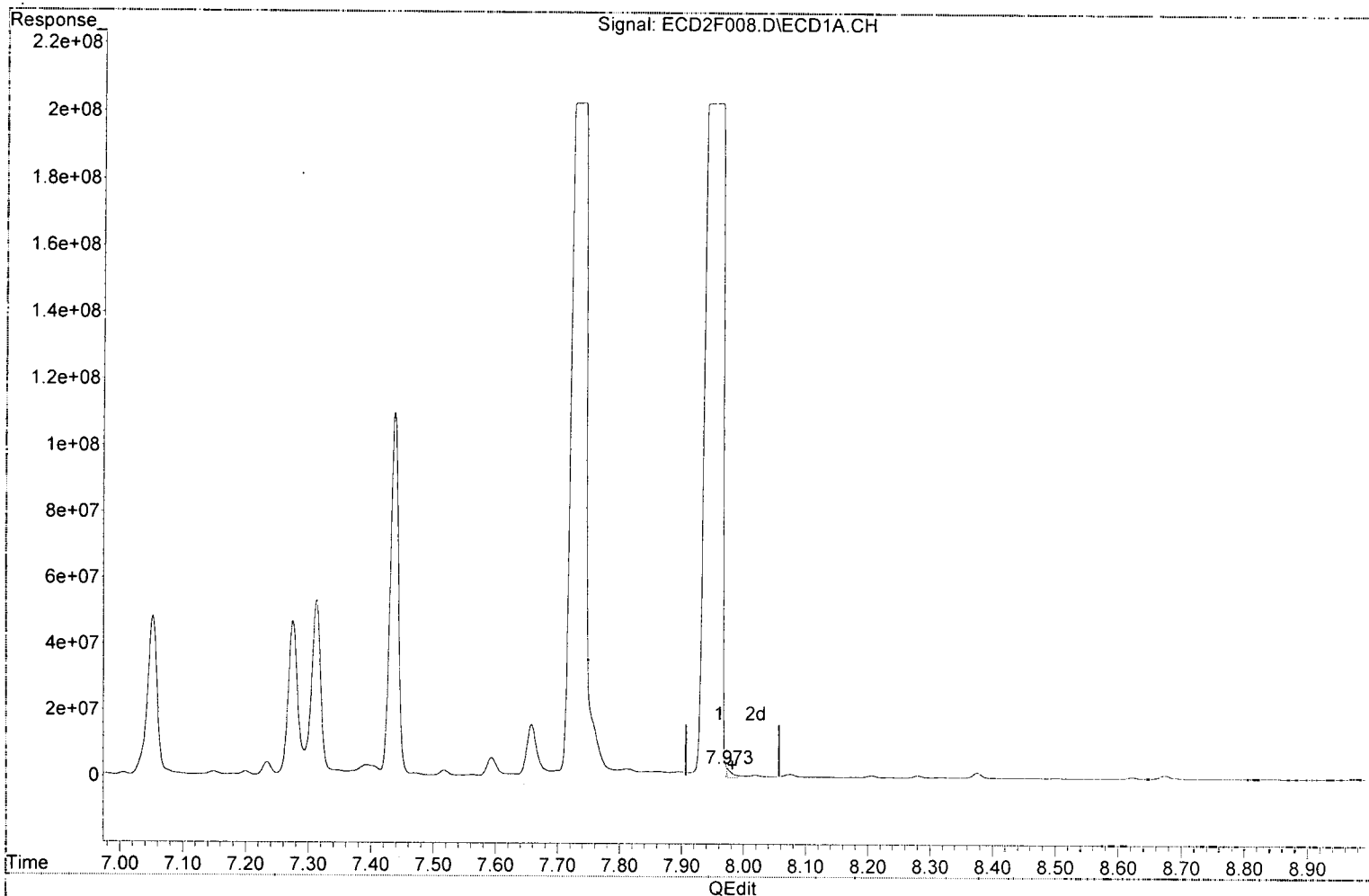
response 28816

MJB
1/20/20

Quantitation Report (Qedit)

Data Path : K:\DATA\0A17007\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 11:55
Operator : MJB / KAK
Sample : A9J0861-37RE1@5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:14:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(49) Aroclor 1262 (2)

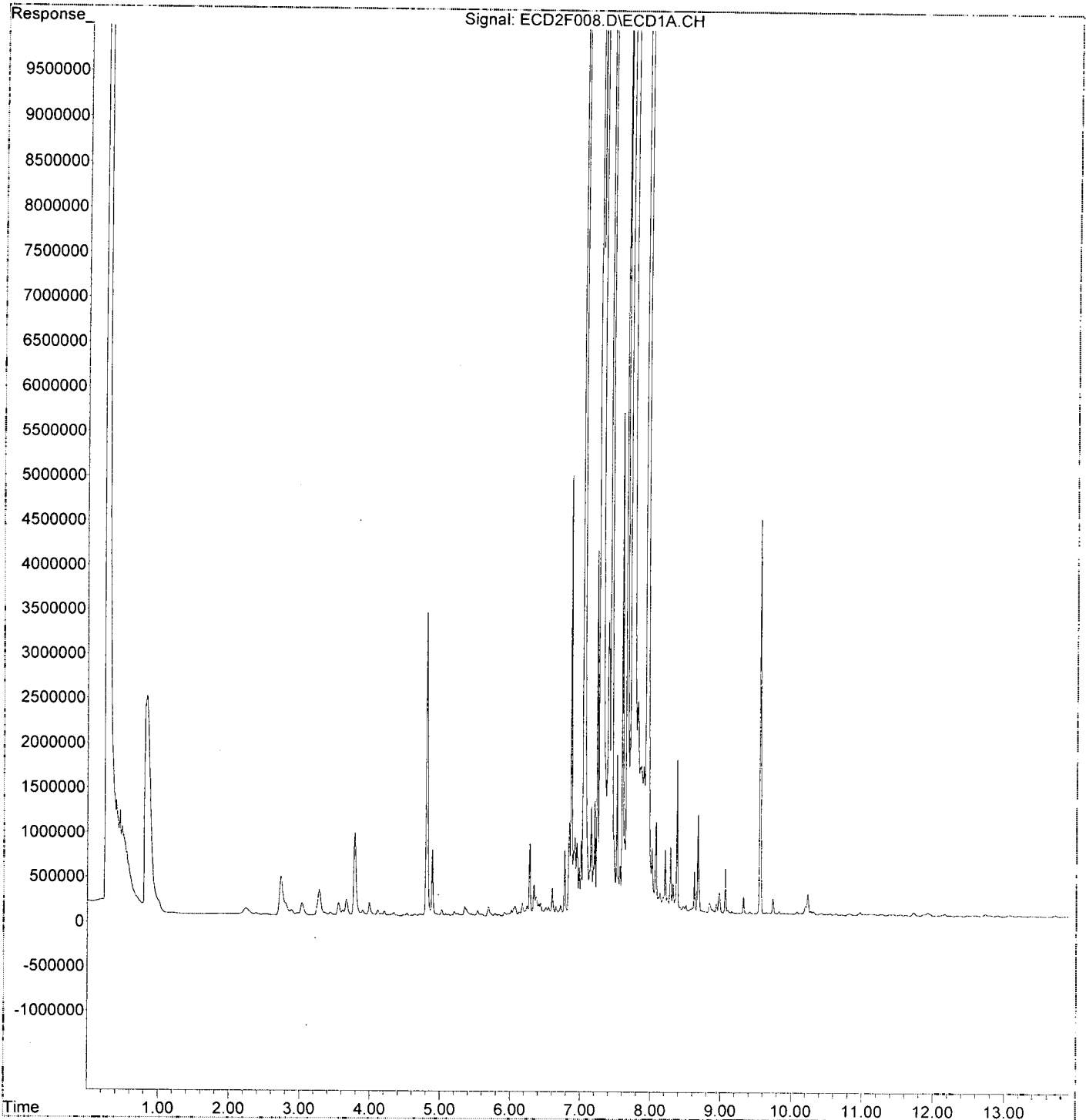
7.973min 266.504 ng/ml(m)

response 2991528

Handwritten signature and date: 02/04/20 Anchor QEA, LLC - Gasco, Pre RD, DG 2019, 4a-b. DOC-CAP Testing Cores Page 512 of 1468

Data Path : K:\DATA\0A17007\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 11:55
Operator : MJB / KAK
Sample : A9J0861-37RE1@5
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:14:35 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A17007\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 12:30
 Operator : MJB / KAK
 Sample : 0A17007-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:14:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.811	16969144	254.839	ng/ml
62) S DCBP (S)	9.557	29537173	264.492	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.723	1782066	476.749	ng/ml
3) Aroclor 1016 (2)	6.137	3980752	553.351	ng/ml
4) Aroclor 1016 (3)	6.218	2021371	508.787	ng/ml
5) Aroclor 1016 (4)	6.373	1878294	525.051	ng/ml
6) Aroclor 1016 (5)	6.595	2173923	523.649	ng/ml
7) Aroclor 1016 (6)	6.721	1599298	545.235	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.162	173822	160.584	ng/ml
10) Aroclor 1221 (2)	5.282	193854	270.154	ng/ml
11) Aroclor 1221 (3)	5.363	806054	344.451	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.363	806054	453.815	ng/ml
14) Aroclor 1232 (2)	6.137	3980752	1431.831	ng/ml
15) Aroclor 1232 (3)	6.218	2021371	1377.950	ng/ml
16) Aroclor 1232 (4)	6.373	1878294	1648.544	ng/ml
17) Aroclor 1232 (5)	6.595	2173923	1513.896	ng/ml
18) Aroclor 1232 (6)	6.721	1599298	1334.838	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.723	1782066	670.952	ng/ml
21) Aroclor 1242 (2)	6.137	3980752	767.435	ng/ml
22) Aroclor 1242 (3)	6.218	2021371	716.755	ng/ml
23) Aroclor 1242 (4)	6.373	1878294	820.509	ng/ml
24) Aroclor 1242 (5)	6.595	2173923	728.354	ng/ml
25) Aroclor 1242 (6)	6.721	1599298	637.368	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.137	3980752	1169.676	ng/ml
28) Aroclor 1248 (2)	6.373	1878294	415.992	ng/ml
29) Aroclor 1248 (3)	6.595	2173923	416.551	ng/ml
30) Aroclor 1248 (4)	6.887	424892	73.192	ng/ml
31) Aroclor 1248 (5)	6.920	1497824	243.181	ng/ml
32) Aroclor 1248 (6)	7.407	3390894	992.239	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.920	1497824	249.716	ng/ml
35) Aroclor 1254 (2)	7.031	1610183	220.949	ng/ml
36) Aroclor 1254 (3)	7.407	3390894	302.489	ng/ml
37) Aroclor 1254 (4)	7.566	460074	64.526	ng/ml
38) Aroclor 1254 (5)	7.946	4373427	571.019	ng/ml
39) Aroclor 1254 (6)	8.236	480360	192.615	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.519	4509496	541.500	ng/ml
42) Aroclor 1260 (2)	7.652	5699062	558.600	ng/ml
43) Aroclor 1260 (3)	8.207	4072673	517.812	ng/ml
44) Aroclor 1260 (4)	8.377	10180938	546.819	ng/ml
45) Aroclor 1260 (5)	8.675	6681201	552.349	ng/ml
46) Aroclor 1260 (6)	9.065	2525929	493.866	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A17007\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 12:30
 Operator : MJB / KAK
 Sample : 0A17007-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:14:56 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

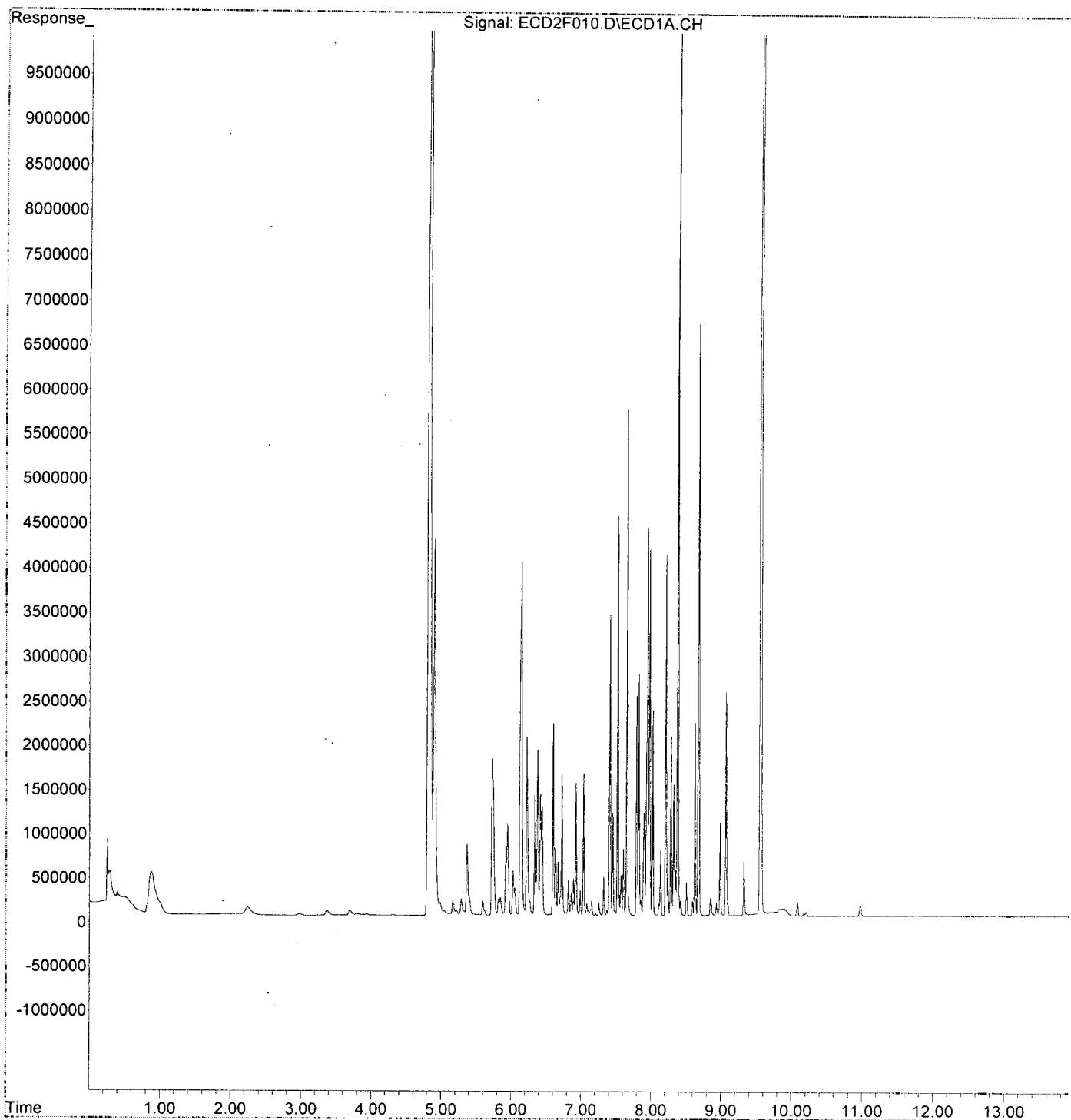
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.652	5699062	708.274 ng/ml
49) Aroclor 1262 (2)	7.975	4126022	367.572 ng/ml
50) Aroclor 1262 (3)	8.207	4072673	419.650 ng/ml
51) Aroclor 1262 (4)	8.377	10180938	492.783 ng/ml
52) Aroclor 1262 (5)	8.675	6681201	510.703 ng/ml
53) Aroclor 1262 (6)	9.065	2525929	378.323 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.207	4072673	797.901 ng/ml
56) Aroclor 1268 (2)	8.623	2182697	88.997 ng/ml
57) Aroclor 1268 (3)	8.675	6681201	327.282 ng/ml
58) Aroclor 1268 (4)	8.849	205051	10.706 ng/ml
59) Aroclor 1268 (5)	9.065	2525929	325.937 ng/ml
60) Aroclor 1268 (6)	9.321	617964	11.819 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A17007\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 12:30
Operator : MJB / KAK
Sample : 0A17007-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:14:56 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A17007\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 12:48
 Operator : MJB / KAK
 Sample : 0A17007-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:15:17 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20
 Clean

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.815	6664790	100.090	ng/ml
62) S DCBP (S)	9.556	11523682	103.189	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.716	3605	0.964	ng/ml
3) Aroclor 1016 (2)	6.153	7526	1.046	ng/ml
4) Aroclor 1016 (3)	6.231	4657	1.172	ng/ml
5) Aroclor 1016 (4)	6.373	1813	0.507	ng/ml
6) Aroclor 1016 (5)	6.600	2468	0.595	ng/ml
7) Aroclor 1016 (6)	6.723	1678	0.572	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.211f	20614	19.044	ng/ml
10) Aroclor 1221 (2)	5.307	11962	16.671	ng/ml
11) Aroclor 1221 (3)	5.360	12230	5.226	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.360	12230	6.885	ng/ml
14) Aroclor 1232 (2)	6.153	7526	2.707	ng/ml
15) Aroclor 1232 (3)	6.231	4657	3.175	ng/ml
16) Aroclor 1232 (4)	6.373	1813	1.591	ng/ml
17) Aroclor 1232 (5)	6.600	2468	1.719	ng/ml
18) Aroclor 1232 (6)	6.723	1678	1.400	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.716	3605	1.357	ng/ml
21) Aroclor 1242 (2)	6.153	7526	1.451	ng/ml
22) Aroclor 1242 (3)	6.231	4657	1.651	ng/ml
23) Aroclor 1242 (4)	6.373	1813	0.792	ng/ml
24) Aroclor 1242 (5)	6.600	2468	0.827	ng/ml
25) Aroclor 1242 (6)	6.723	1678	0.669	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.153	7526	2.211	ng/ml
28) Aroclor 1248 (2)	6.373	1813	0.401	ng/ml
29) Aroclor 1248 (3)	6.600	2468	0.473	ng/ml
30) Aroclor 1248 (4)	6.870	2489	0.429	ng/ml
31) Aroclor 1248 (5)	6.926	3259	0.529	ng/ml
32) Aroclor 1248 (6)	7.406	2643	0.773	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.926	3259	0.543	ng/ml
35) Aroclor 1254 (2)	7.056	13511	1.854	ng/ml
36) Aroclor 1254 (3)	7.406	2643	0.236	ng/ml
37) Aroclor 1254 (4)	7.571	3898	0.547	ng/ml
38) Aroclor 1254 (5)	7.954	4103	0.536	ng/ml
39) Aroclor 1254 (6)	8.243	484	0.194	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.518	4391	0.527	ng/ml
42) Aroclor 1260 (2)	7.654	4914	0.482	ng/ml
43) Aroclor 1260 (3)	8.205	734	0.093	ng/ml
44) Aroclor 1260 (4)	8.375	8201	0.440	ng/ml
45) Aroclor 1260 (5)	8.677	5605	0.463	ng/ml
46) Aroclor 1260 (6)	9.065	7786	1.522	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A17007\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 17 Jan 2020 12:48
 Operator : MJB / KAK
 Sample : 0A17007-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 08:15:17 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

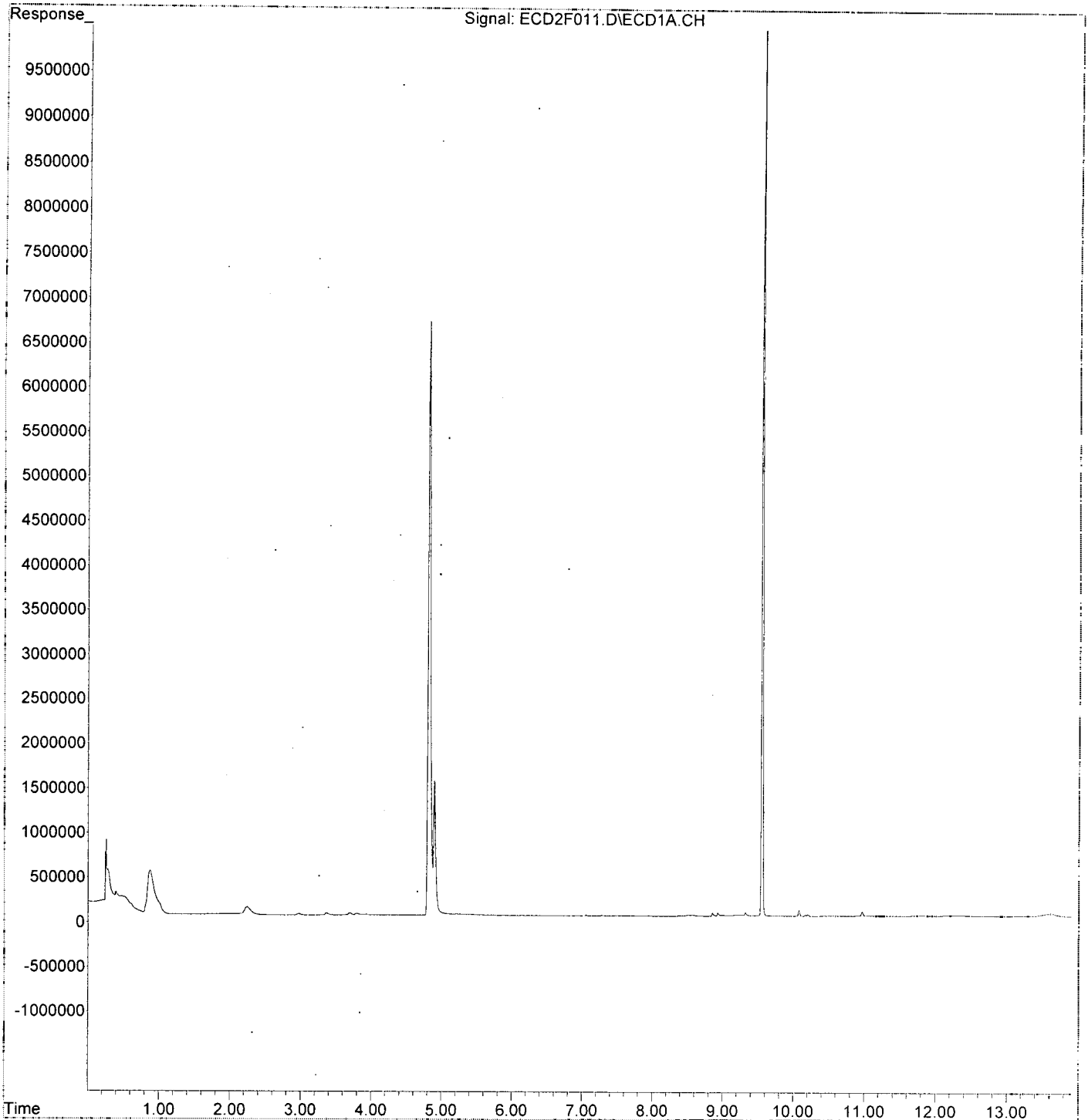
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.654	4914	0.611 ng/ml
49) Aroclor 1262 (2)	7.976	2363	0.210 ng/ml
50) Aroclor 1262 (3)	8.205	734	0.076 ng/ml
51) Aroclor 1262 (4)	8.375	8201	0.397 ng/ml
52) Aroclor 1262 (5)	8.677	5605	0.428 ng/ml
53) Aroclor 1262 (6)	9.065	7786	1.166 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.205	734	0.144 ng/ml
56) Aroclor 1268 (2)	8.677f	5605	0.229 ng/ml
57) Aroclor 1268 (3)	8.677	5605	0.275 ng/ml
58) Aroclor 1268 (4)	8.855	37420	1.954 ng/ml
59) Aroclor 1268 (5)	9.065	7786	1.005 ng/ml
60) Aroclor 1268 (6)	9.324	43247	0.827 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A17007\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 17 Jan 2020 12:48
Operator : MJB / KAK
Sample : 0A17007-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 08:15:17 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Batch 0010536
Sequence 0A20023 (A9J0861-12RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010536 (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
	0010536-BLK1	QC	01/17/20 11:12	31	2				100				
	0010536-BSD1	QC	01/17/20 11:12	30	2	A20A036		100	100				
	0010536-BS1	QC	01/17/20 11:12	30	2	A20A036		100	100				
	A9J0514-28RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 15:47	30.34	2				100	PDI-066SC-B-00-02-191011	Re-extract added 1/17/2020 by MKZ		
	A9J0861-12RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.47	2				100	PDI-034SC-B-00-02-191022	Re-extract added 1/17/2020 by KAK		
	A9J0903-14RE1	B 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.73	2				100	PDI-057SC-B-00-02-191023	Re-extract added 1/17/2020 by KAK		
	A9J0903-16RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.8	2				100	PDI-057SC-B-04-06-191023	Re-extract added 1/17/2020 by KAK		

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	A20A036	07/03/20	8082 PCB Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisil Lot 817211-CM						
A19G279	01/18/22	Sulfuric Acid						
A19H411	08/31/21	n-Hexane Lot# 192712						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Method 3546 digestion time and temperature achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____


 Reviewed By: _____ Date 1/20/20



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010536 (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
	0010536-BLK1	QC	01/17/20 11:12	31	2				100					
	0010536-BSD1	QC	01/17/20 11:12	30	2	A20A036		100	100					
	0010536-BS1	QC	01/17/20 11:12	30	2	A20A036		100	100					
1	A9J0514-28RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 15:47	30 30.34	2				100	PDI-066SC-B-00-02-191011	Re-extract added 1/17/2020 by MKZ <i>hard, rocks, odor, S, P, O</i>			
	A9J0861-12RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.47	2				100	PDI-034SC-B-00-02-191022	Re-extract added 1/17/2020 by KAK			
	A9J0903-14RE1	B 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.73	2				100	PDI-057SC-B-00-02-191023	Re-extract added 1/17/2020 by KAK			
	A9J0903-16RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.8	2				100	PDI-057SC-B-04-06-191023	Re-extract added 1/17/2020 by KAK			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s) <i>CAS</i>		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance	A20A036	07/03/20	8082 PCB Matrix Spike	<u>A19L272</u>	06/20/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisil Lot 817211-CM						
A19G279	01/18/20	Sulfuric Acid						
A19H411	08/31/21	n-Hexane Lot# 192712						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Method 3546 digestion time and temperature achieved.
Initial: *CAS*

Witness: _____

S = Staining on turbo vap tube prior to and after hexane exchange (very intense)
P = precipitate formed after hexane exchange both suspended at bottom of extract and attached to sides of turbo vap tube. (very intense)
O = Strong odor produced both before and after hexane exchange while concentrating volume down. (very intense)

CAS _____ *01/17/2020*
Prepared By: _____ Date

SCG _____ *01/17/2020*
Reviewed By: _____ Date



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010536 (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
Y2	0010536-BLK1	QC	01/17/20 11:12	30.31	2				100					
3/4	0010536-BSD1	QC	01/17/20 11:12	30	2	A20A036		100	100					
5/6	0010536-BS1	QC	01/17/20 11:12	30	2	A20A036		100	100					
7/8	A9J0861-12RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.04	2				100	PDI-034SC-B-00-02-191022	Re-extract added 1/17/2020 by KAK Mud Rock			
9/10	A9J0903-14RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.73	2				100	PDI-057SC-B-00-02-191023	Re-extract added 1/17/2020 by KAK Mud			
11/12	A9J0903-16RE1	A 8082 PCBs - Low Level (30g/2mL)	01/17/20 11:12	30.80	2				100	PDI-057SC-B-04-06-191023	Re-extract added 1/17/2020 by KAK Mud			

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	A20A036	07/03/20	8082 PCB Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19C104	09/03/23	Florisol Lot 817211-CM						
A19G279	01/18/20	Sulfuric Acid						
A19H411	08/31/21	n-Hexane Lot# 192712						
A19I211	05/07/22	Copper, Granular Lot# J260003						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

* = Staining on Turbo Vap.

Method 3546 digestion time and temperture achieved.

Initial: *amb*

Witness: *cen* 1/17/20

Prepared By: *Camb* Date: *1/17/20*

Reviewed By: *cds* Date: *01/17/2020*



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A20023**

Instrument: **DUALECD2R**

Date: **01/20/20 07:17**

Calibration: **A0A1501**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A20023-CCV1	Water	QC	QC				
2	0A20023-CCB1	Water	QC	QC				A19L338
3	A9J0861-12RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010536		A19L339
4	0A20023-IBL1	Water	QC	QC				
5	A9J0903-14RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010536		
6	0A20023-IBL2	Water	QC	QC				
7	A9J0903-16RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010536		
8	0A20023-IBL3	Water	QC	QC				
9	0A20023-CCV2	Water	QC	QC				A19L338
10	0A20023-CCB2	Water	QC	QC				A19L339
11	A9L0478-04	Water	8082 PCBs - Low Level (1000/1mL)		01/27/20	0010535		
12	0A20023-IBL4	Water	QC	QC				
13	A9L0478-05	Water	8082 PCBs - Low Level (1000/1mL)		01/27/20	0010535		
14	0A20023-IBL5	Water	QC	QC				
15	A0A0537-01	Water	608 PCBs		01/29/20	0010521		
16	0A20023-IBL6	Water	QC	QC				
17	A0A0537-02	Water	608 PCBs		01/29/20	0010521		
18	0A20023-IBL7	Water	QC	QC				
19	0A20023-CCV3	Water	QC	QC				A19L338
20	0A20023-CCB3	Water	QC	QC				A19L339

Data Entered By: *[Signature]* 1/22/20

Comments: *Complete*

Data Reviewed By: *[Signature]* 1/22/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0A20023

Instrument: DUALECD2R

Date: 01/20/20 07:17

Calibration: ~~A9J2803~~ ~~1/20/20~~
A0A1501

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A20023-CCV1	Sediment	QC	QC				
2	0A20023-CCB1	Sediment	QC	QC				A19L338
3	A9J0861-12RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010536		A19L339
4	0A20023-IBL1	Sediment	QC	QC				
5	A9J0903-14RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010536		
6	0A20023-IBL2	Sediment	QC	QC				
7	A9J0903-16RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	01/17/20	0010536		
8	0A20023-IBL3	Sediment	QC	QC				
9	0A20023-CCV2	Sediment	QC	QC				A19L338
10	0A20023-CCB2	Sediment	QC	QC				A19L339

Data Entered By: [Signature] 1/20/20

Comments: Partial

Data Reviewed By: [Signature] 1/20/20

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.

0A20023-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	482.52
1016 (2)	506.28
1016 (3)	483.80
1016 (4)	470.52
1016 (5)	469.08
1016 (6)	463.20
Average:	479.23

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	490.68
1260 (2)	513.35
1260 (3)	501.27
1260 (4)	516.10
1260 (5)	518.46
1260 (6)	496.61
Average:	506.08

0A20023-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	464.68
1016 (2)	472.81
1016 (3)	469.43
1016 (4)	453.83
1016 (5)	452.14
1016 (6)	443.48
Average:	459.40

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	463.66
1260 (2)	488.96
1260 (3)	482.75
1260 (4)	505.12
1260 (5)	502.14
1260 (6)	475.61
Average:	486.37

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.

0A20023-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	464.68
1016 (2)	472.81
1016 (3)	469.43
1016 (4)	453.83
1016 (5)	452.14
1016 (6)	443.48
Average:	459.40

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	463.66
1260 (2)	488.96
1260 (3)	482.75
1260 (4)	505.12
1260 (5)	502.14
1260 (6)	475.61
Average:	486.37

0A20023-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	515.24
1016 (2)	522.92
1016 (3)	507.23
1016 (4)	502.70
1016 (5)	501.21
1016 (6)	505.14
Average:	509.07

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	537.30
1260 (2)	547.53
1260 (3)	545.92
1260 (4)	580.31
1260 (5)	561.60
1260 (6)	548.34
Average:	553.50

Data Path : K:\DATA\0A20023\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 7:59
 Operator : MJB / KAK
 Sample : 0A20023-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:47:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.627	54191779	240.184	ng/ml
62) S DCBP (S)	10.548	28237072	253.876	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.298	2982924	482.519	ng/ml
3) Aroclor 1016 (2)	6.788	5792471	506.275	ng/ml
4) Aroclor 1016 (3)	6.915	2591483	483.801	ng/ml
5) Aroclor 1016 (4)	7.002	2324736	470.522	ng/ml
6) Aroclor 1016 (5)	7.047	2601309	469.083	ng/ml
7) Aroclor 1016 (6)	7.172	2646046	463.197	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.801	206873	119.062	ng/ml
10) Aroclor 1221 (2)	5.876	403972	235.281	ng/ml
11) Aroclor 1221 (3)	5.963	1920159	336.456	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.963	1920159	420.166	ng/ml
14) Aroclor 1232 (2)	6.298	2982924	1146.074	ng/ml
15) Aroclor 1232 (3)	6.788	5792471	1184.080	ng/ml
16) Aroclor 1232 (4)	7.002	2324736	1374.090	ng/ml
17) Aroclor 1232 (5)	7.047	2601309	1250.121	ng/ml
18) Aroclor 1232 (6)	7.172	2646046	1219.559	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.298	2982924	656.117	ng/ml
21) Aroclor 1242 (2)	6.788	5792471	656.560	ng/ml
22) Aroclor 1242 (3)	6.915	2591483	676.597	ng/ml
23) Aroclor 1242 (4)	7.002	2324736	703.700	ng/ml
24) Aroclor 1242 (5)	7.047	2601309	651.316	ng/ml
25) Aroclor 1242 (6)	7.172	2646046	634.420	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.761	4306745	834.312	ng/ml
28) Aroclor 1248 (2)	7.002	2324736	365.562	ng/ml
29) Aroclor 1248 (3)	7.047	2601309	438.242	ng/ml
30) Aroclor 1248 (4)	7.172	2646046	362.695	ng/ml
31) Aroclor 1248 (5)	7.537	601165	67.533	ng/ml
32) Aroclor 1248 (6)	7.696	2239789	275.117	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.515	1899588	224.171	ng/ml
35) Aroclor 1254 (2)	7.696	2239789	161.022	ng/ml
36) Aroclor 1254 (3)	8.007	1308808	86.251	ng/ml
37) Aroclor 1254 (4)	8.246	900426	82.483	ng/ml
38) Aroclor 1254 (5)	8.582	6647402	590.950	ng/ml
39) Aroclor 1254 (6)	8.798	958098	271.633	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.142	5165840	490.683	ng/ml
42) Aroclor 1260 (2)	8.349	6551659	513.354	ng/ml
43) Aroclor 1260 (3)	8.582	6647402	501.268	ng/ml
44) Aroclor 1260 (4)	9.065	10916814	516.101	ng/ml
45) Aroclor 1260 (5)	9.323	6343185	518.457	ng/ml
46) Aroclor 1260 (6)	9.888	2423427	496.608	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20023\
 Data File : ECD2R002.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 7:59
 Operator : MJB / KAK
 Sample : 0A20023-CCV1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:47:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

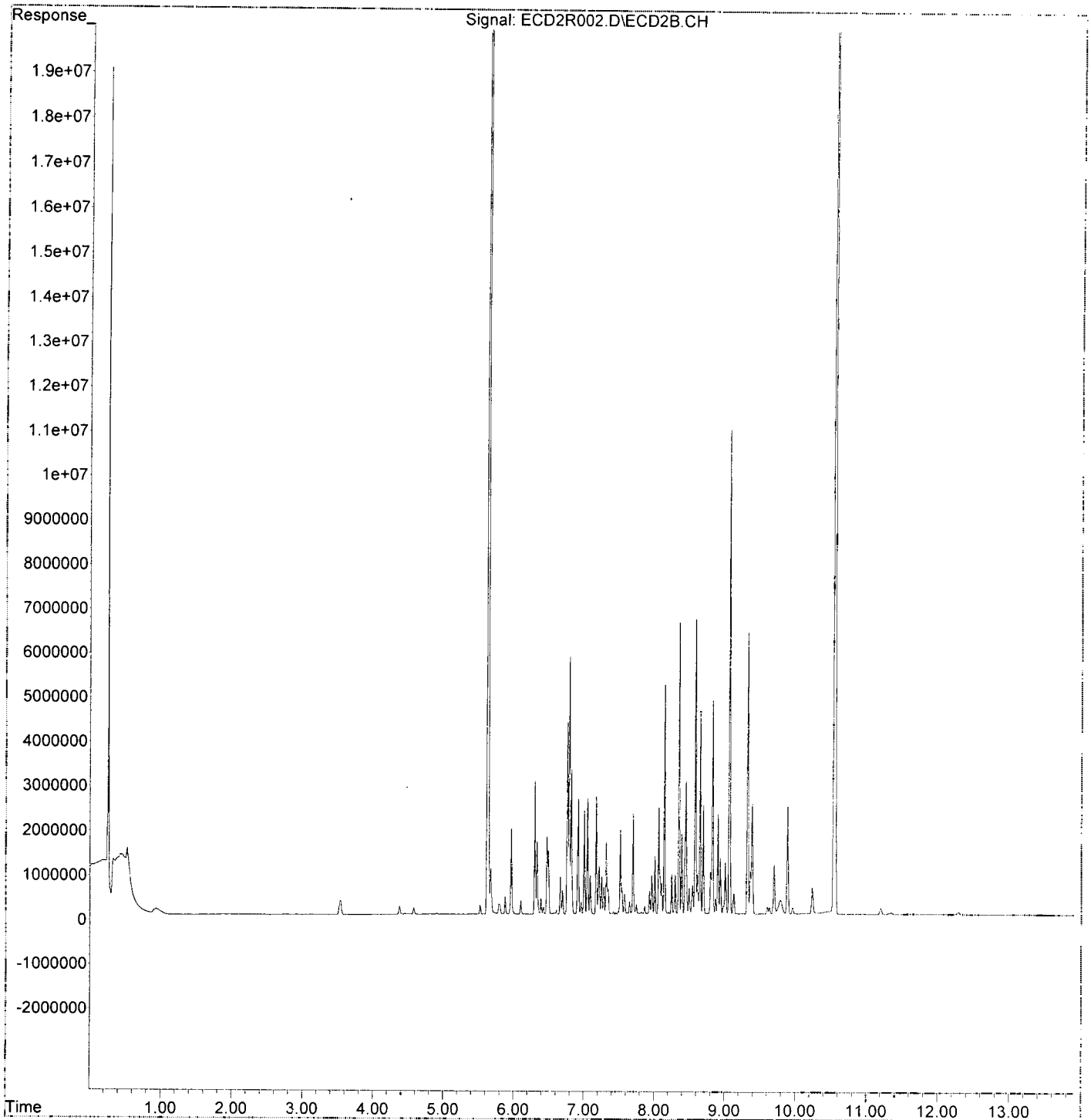
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	6551659	619.736 ng/ml
49) Aroclor 1262 (2)	8.649	4548837	297.747 ng/ml
50) Aroclor 1262 (3)	8.827	4814189	375.985 ng/ml
51) Aroclor 1262 (4)	9.065	10916814	396.620 ng/ml
52) Aroclor 1262 (5)	9.323	6343185	386.319 ng/ml
53) Aroclor 1262 (6)	9.888	2423427	336.562 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	352387	56.543 ng/ml
56) Aroclor 1268 (2)	9.323	6343185	228.447 ng/ml
57) Aroclor 1268 (3)	9.387	2460271	109.266 ng/ml
58) Aroclor 1268 (4)	9.602	172418	8.955 ng/ml
59) Aroclor 1268 (5)	9.888	2423427	309.775 ng/ml
60) Aroclor 1268 (6)	10.237	606447	11.982 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R002.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 7:59
Operator : MJB / KAK
Sample : 0A20023-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 20 13:47:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20023\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 8:16
 Operator : MJB / KAK
 Sample : 0A20023-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:47:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	20618999	91.386 ng/ml
62) S DCBP (S)	10.547	10974611	98.672 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.301	910	0.147 ng/ml
3) Aroclor 1016 (2)	6.797	2133	0.186 ng/ml
4) Aroclor 1016 (3)	6.923	1495	0.279 ng/ml
5) Aroclor 1016 (4)	7.003	1544	0.313 ng/ml
6) Aroclor 1016 (5)	7.045	1463	0.264 ng/ml
7) Aroclor 1016 (6)	7.174	1493	0.261 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.842	5028	2.894 ng/ml
10) Aroclor 1221 (2)	5.876	3684	2.145 ng/ml
11) Aroclor 1221 (3)	5.980	4190	0.734 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.948	32289	7.065 ng/ml
14) Aroclor 1232 (2)	6.301	910	0.350 ng/ml
15) Aroclor 1232 (3)	6.797	2133	0.436 ng/ml
16) Aroclor 1232 (4)	7.003	1544	0.913 ng/ml
17) Aroclor 1232 (5)	7.045	1463	0.703 ng/ml
18) Aroclor 1232 (6)	7.174	1493	0.688 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.301	910	0.200 ng/ml
21) Aroclor 1242 (2)	6.797	2133	0.242 ng/ml
22) Aroclor 1242 (3)	6.923	1495	0.390 ng/ml
23) Aroclor 1242 (4)	7.003	1544	0.468 ng/ml
24) Aroclor 1242 (5)	7.045	1463	0.366 ng/ml
25) Aroclor 1242 (6)	7.174	1493	0.358 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.752	1207	0.234 ng/ml
28) Aroclor 1248 (2)	7.003	1544	0.243 ng/ml
29) Aroclor 1248 (3)	7.045	1463	0.246 ng/ml
30) Aroclor 1248 (4)	7.174	1493	0.205 ng/ml
31) Aroclor 1248 (5)	7.519	597	0.067 ng/ml
32) Aroclor 1248 (6)	7.703	13328	1.637 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.519	597	0.071 ng/ml
35) Aroclor 1254 (2)	7.703	13328	0.958 ng/ml
36) Aroclor 1254 (3)	8.003	5645	0.372 ng/ml
37) Aroclor 1254 (4)	8.235	3702	0.339 ng/ml
38) Aroclor 1254 (5)	8.579	4713	0.419 ng/ml
39) Aroclor 1254 (6)	8.813	3977	1.128 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.145	4601	0.437 ng/ml
42) Aroclor 1260 (2)	8.344	5099	0.400 ng/ml
43) Aroclor 1260 (3)	8.579	4713	0.355 ng/ml
44) Aroclor 1260 (4)	9.064	5842	0.276 ng/ml
45) Aroclor 1260 (5)	9.325	5615	0.459 ng/ml
46) Aroclor 1260 (6)	9.895	10135	2.077 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20023\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 8:16
 Operator : MJB / KAK
 Sample : 0A20023-CCB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:47:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

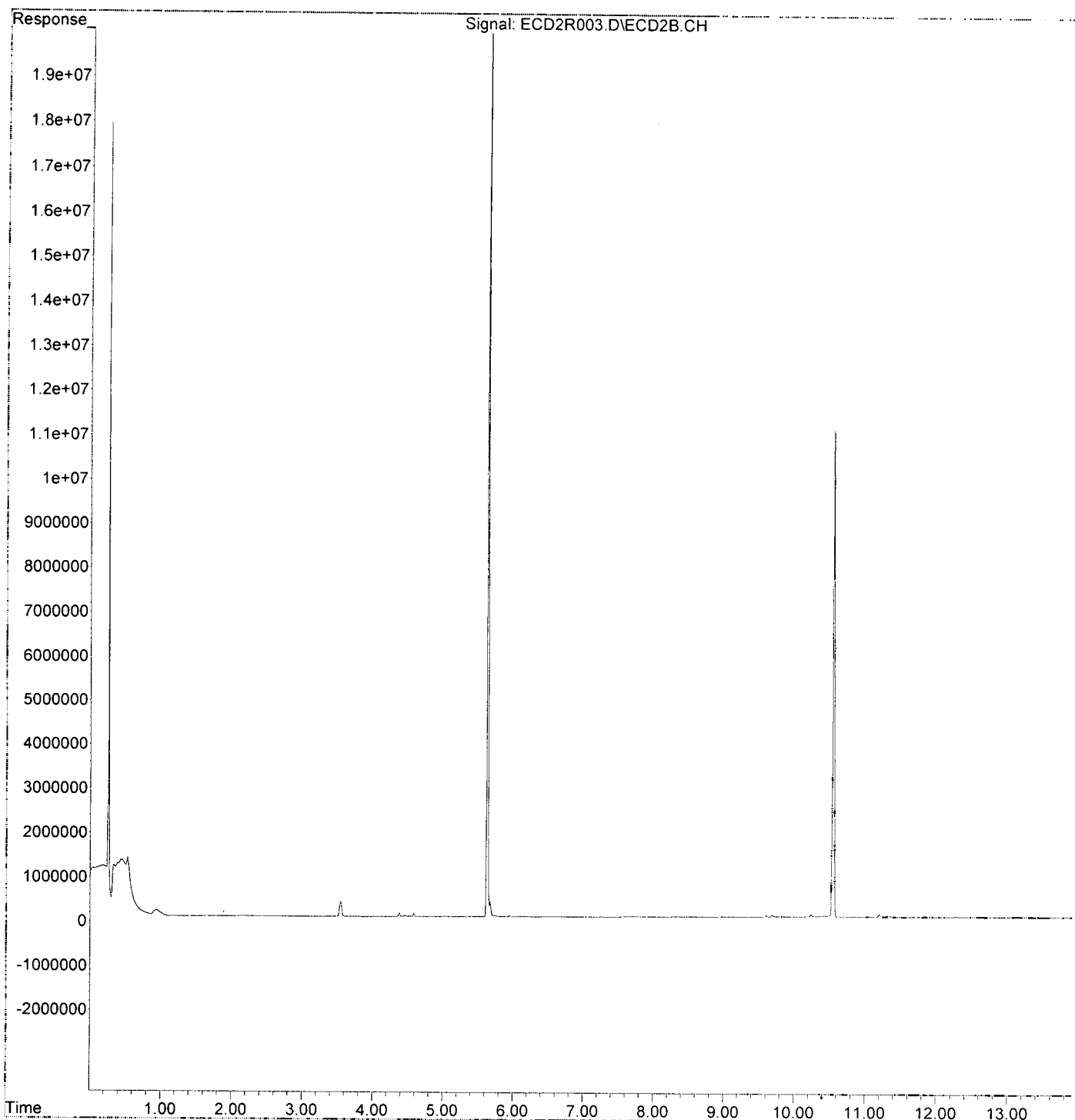
	Compound	R.T.	Response	Conc Units
48)	Aroclor 1262 (1)	8.344	5099	0.482 ng/ml
49)	Aroclor 1262 (2)	8.654	3909	0.256 ng/ml
50)	Aroclor 1262 (3)	8.831	4529	0.354 ng/ml
51)	Aroclor 1262 (4)	9.064	5842	0.212 ng/ml
52)	Aroclor 1262 (5)	9.325	5615	0.342 ng/ml
53)	Aroclor 1262 (6)	9.895	10135	1.408 ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55)	Aroclor 1268 (1)	8.872	4746	0.762 ng/ml
56)	Aroclor 1268 (2)	9.325	5615	0.202 ng/ml
57)	Aroclor 1268 (3)	9.387	4983	0.221 ng/ml
58)	Aroclor 1268 (4)	9.604	48855	2.537 ng/ml
59)	Aroclor 1268 (5)	9.895	10135	1.296 ng/ml
60)	Aroclor 1268 (6)	10.239	67384	1.331 ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 8:16
Operator : MJB / KAK
Sample : 0A20023-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 20 13:47:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20023\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 8:34
 Operator : MJB / KAK
 Sample : A9J0861-12RE1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:48:14 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/20/20
 12A2 P-10
 125A P-10
 1260 P-10

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.630	28875192	127.978	ng/ml
62) S DCBP (S)	10.547	11298921	101.587	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.305	311719	50.424	ng/ml
3) Aroclor 1016 (2)	6.790	1021592	89.289	ng/ml
4) Aroclor 1016 (3)	6.918	435852	81.369	ng/ml
5) Aroclor 1016 (4)	7.004	1879352	380.377	ng/ml
6) Aroclor 1016 (5)	7.049	1171357	211.226	ng/ml
7) Aroclor 1016 (6)	7.175	1308769	229.103	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.792	44059	25.357	ng/ml
10) Aroclor 1221 (2)	5.893	59159	34.455	ng/ml
11) Aroclor 1221 (3)	5.950	793320	139.008	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.950	793320	173.593	ng/ml
14) Aroclor 1232 (2)	6.305	311719	119.766	ng/ml
15) Aroclor 1232 (3)	6.790	1021592	208.831	ng/ml
16) Aroclor 1232 (4)	7.004	1879352	1110.835	ng/ml
17) Aroclor 1232 (5)	7.049	1171357	562.924	ng/ml
18) Aroclor 1232 (6)	7.175	1308769	603.210	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.305	311719	68.565	ng/ml
21) Aroclor 1242 (2)	6.790	1021592	115.795	ng/ml
22) Aroclor 1242 (3)	6.918	435852	113.795	ng/ml
23) Aroclor 1242 (4)	7.004	1879352	568.881	ng/ml
24) Aroclor 1242 (5)	7.049	1171357	293.285	ng/ml
25) Aroclor 1242 (6)	7.175	1308769	313.793	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.764	731086	141.628	ng/ml
28) Aroclor 1248 (2)	7.004	1879352	295.526	ng/ml
29) Aroclor 1248 (3)	7.049	1171357	197.339	ng/ml
30) Aroclor 1248 (4)	7.175	1308769	179.394	ng/ml
31) Aroclor 1248 (5)	7.540	2525521	283.711	ng/ml
32) Aroclor 1248 (6)	7.697	5954588	731.413	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.519	3103839	366.284	ng/ml
35) Aroclor 1254 (2)	7.697	5954588	428.085	ng/ml
36) Aroclor 1254 (3)	8.006	6133866	404.226	ng/ml
37) Aroclor 1254 (4)	8.247	4615946	422.842	ng/ml
38) Aroclor 1254 (5)	8.580	5506236	489.501	ng/ml
39) Aroclor 1254 (6)	8.810	1354411	383.992	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.143	2538536	241.126	ng/ml
42) Aroclor 1260 (2)	8.350	3809642	298.504	ng/ml
43) Aroclor 1260 (3)	8.580	5506236	415.215	ng/ml
44) Aroclor 1260 (4)	9.065	2123859	100.407	ng/ml
45) Aroclor 1260 (5)	9.323	1341394	109.638	ng/ml
46) Aroclor 1260 (6)	9.887	334824	68.612	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

99.385

415.822

92.886

Data Path : K:\DATA\0A20023\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 8:34
 Operator : MJB / KAK
 Sample : A9J0861-12RE1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:48:14 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

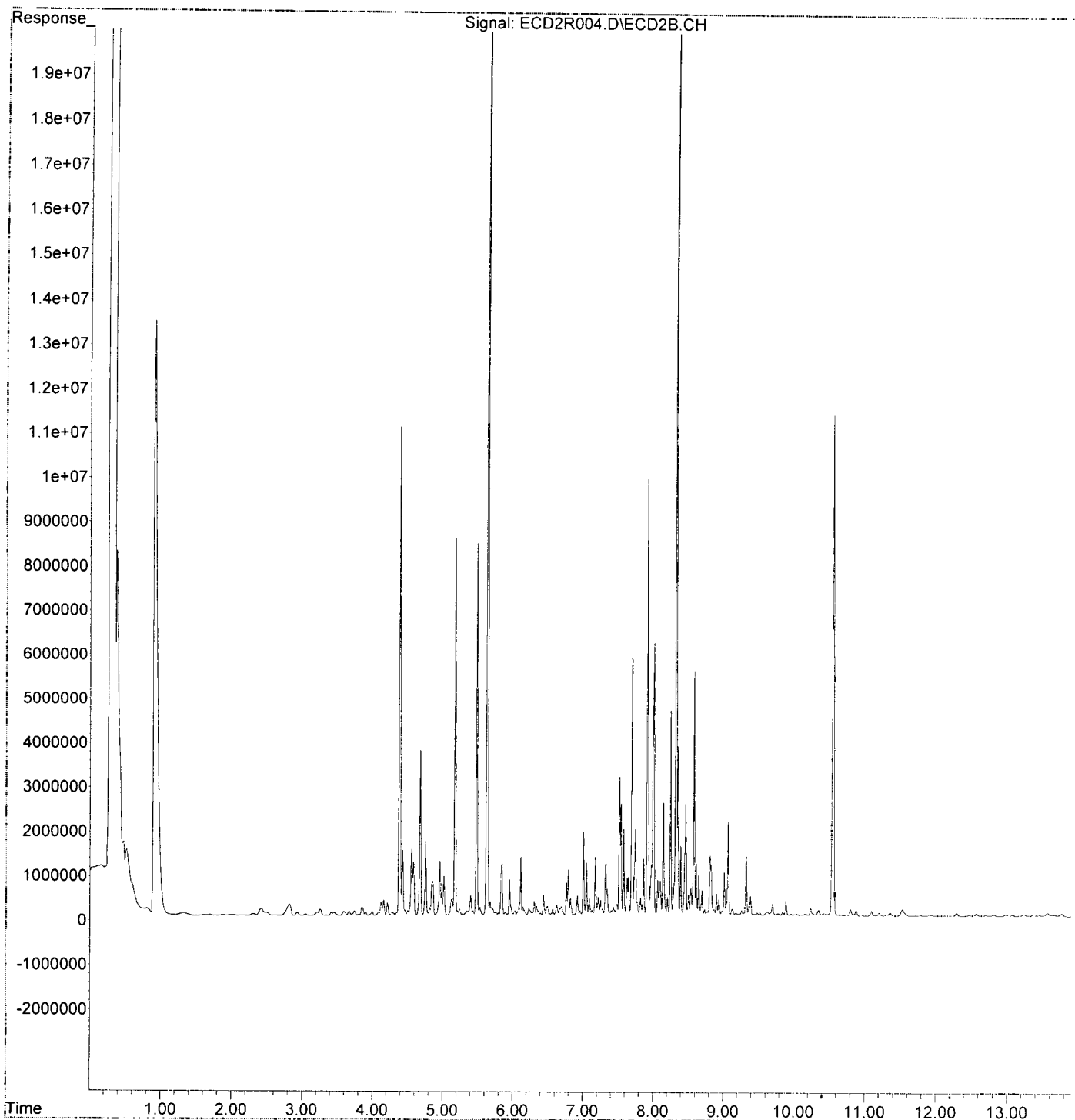
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	8.350	3809642	360.362	ng/ml
49)	Aroclor 1262 (2)	8.649	912582	59.734	ng/ml
50)	Aroclor 1262 (3)	8.826	1138123	88.887	ng/ml
51)	Aroclor 1262 (4)	9.065	2123859	77.162	ng/ml
52)	Aroclor 1262 (5)	9.323	1341394	81.695	ng/ml
53)	Aroclor 1262 (6)	9.887	334824	46.500	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.868	133125	21.361	ng/ml
56)	Aroclor 1268 (2)	9.323	1341394	48.310	ng/ml
57)	Aroclor 1268 (3)	9.386	438558	19.477	ng/ml
58)	Aroclor 1268 (4)	9.626	82348	4.277	ng/ml
59)	Aroclor 1268 (5)	9.887	334824	42.799	ng/ml
60)	Aroclor 1268 (6)	10.236	161938	3.199	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 8:34
Operator : MJB / KAK
Sample : A9J0861-12RE1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 20 13:48:14 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20023\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 10:20
 Operator : MJB / KAK
 Sample : 0A20023-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:49:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.629	48951331	216.958	ng/ml
62) S DCBP (S)	10.545	26552549	238.731	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.299	2872636	464.679	ng/ml
3) Aroclor 1016 (2)	6.788	5409548	472.807	ng/ml
4) Aroclor 1016 (3)	6.915	2514513	469.432	ng/ml
5) Aroclor 1016 (4)	7.002	2242270	453.831	ng/ml
6) Aroclor 1016 (5)	7.046	2507363	452.142	ng/ml
7) Aroclor 1016 (6)	7.172	2533428	443.483	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.804	207837	119.617	ng/ml
10) Aroclor 1221 (2)	5.876	408350	237.831	ng/ml
11) Aroclor 1221 (3)	5.964	1844440	323.188	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	1844440	403.598	ng/ml
14) Aroclor 1232 (2)	6.299	2872636	1103.700	ng/ml
15) Aroclor 1232 (3)	6.788	5409548	1105.804	ng/ml
16) Aroclor 1232 (4)	7.002	2242270	1325.346	ng/ml
17) Aroclor 1232 (5)	7.046	2507363	1204.973	ng/ml
18) Aroclor 1232 (6)	7.172	2533428	1167.653	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.299	2872636	631.858	ng/ml
21) Aroclor 1242 (2)	6.788	5409548	613.157	ng/ml
22) Aroclor 1242 (3)	6.915	2514513	656.502	ng/ml
23) Aroclor 1242 (4)	7.002	2242270	678.737	ng/ml
24) Aroclor 1242 (5)	7.046	2507363	627.794	ng/ml
25) Aroclor 1242 (6)	7.172	2533428	607.418	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.762	3905567	756.595	ng/ml
28) Aroclor 1248 (2)	7.002	2242270	352.594	ng/ml
29) Aroclor 1248 (3)	7.046	2507363	422.415	ng/ml
30) Aroclor 1248 (4)	7.172	2533428	347.259	ng/ml
31) Aroclor 1248 (5)	7.536	582414	65.427	ng/ml
32) Aroclor 1248 (6)	7.695	2057183	252.687	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.515	1767271	208.556	ng/ml
35) Aroclor 1254 (2)	7.695	2057183	147.894	ng/ml
36) Aroclor 1254 (3)	8.005	1194847	78.741	ng/ml
37) Aroclor 1254 (4)	8.245	816483	74.794	ng/ml
38) Aroclor 1254 (5)	8.580	6401776	569.114	ng/ml
39) Aroclor 1254 (6)	8.797	913173	258.896	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.141	4881318	463.657	ng/ml
42) Aroclor 1260 (2)	8.348	6240284	488.956	ng/ml
43) Aroclor 1260 (3)	8.580	6401776	482.746	ng/ml
44) Aroclor 1260 (4)	9.064	10684432	505.115	ng/ml
45) Aroclor 1260 (5)	9.321	6143542	502.140	ng/ml
46) Aroclor 1260 (6)	9.886	2320980	475.615	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20023\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 10:20
 Operator : MJB / KAK
 Sample : 0A20023-CCV2
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:49:16 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

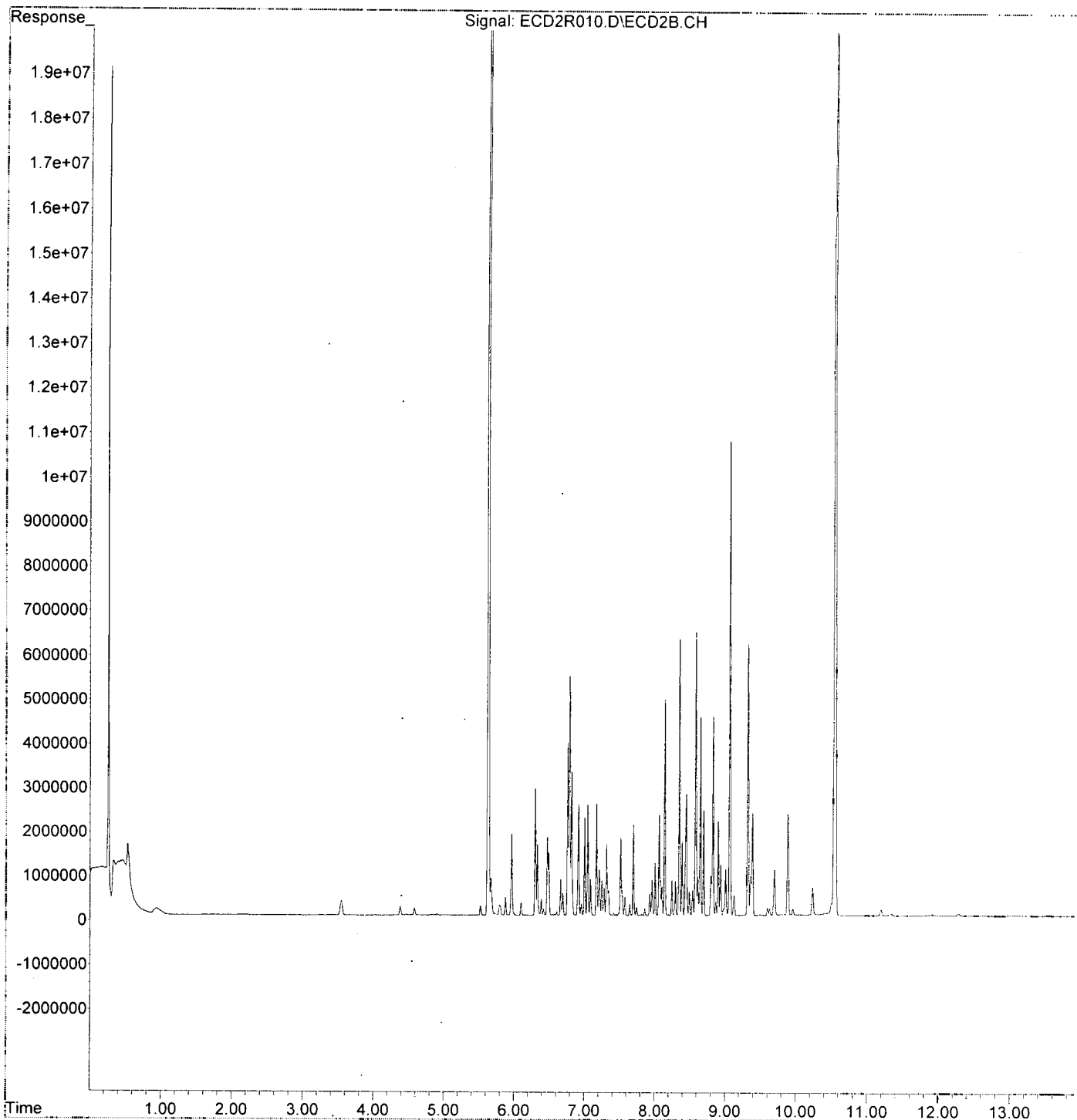
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.348	6240284	590.282	ng/ml
49) Aroclor 1262 (2)	8.648	4476148	292.989	ng/ml
50) Aroclor 1262 (3)	8.826	4501379	351.555	ng/ml
51) Aroclor 1262 (4)	9.064	10684432	388.177	ng/ml
52) Aroclor 1262 (5)	9.321	6143542	374.160	ng/ml
53) Aroclor 1262 (6)	9.886	2320980	322.335	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.867	312524	50.147	ng/ml
56) Aroclor 1268 (2)	9.321	6143542	221.257	ng/ml
57) Aroclor 1268 (3)	9.386	2340671	103.955	ng/ml
58) Aroclor 1268 (4)	9.600	176985	9.192	ng/ml
59) Aroclor 1268 (5)	9.886	2320980	296.680	ng/ml
60) Aroclor 1268 (6)	10.235	646299	12.769	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 10:20
Operator : MJB / KAK
Sample : 0A20023-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 20 13:49:16 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20023\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 10:37
 Operator : MJB / KAK
 Sample : 0A20023-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:49:37 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	20151015	89.312 ng/ml
62) S DCBP (S)	10.546	9860209	88.652 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.295	2199	0.356 ng/ml
3) Aroclor 1016 (2)	6.792	3214	0.281 ng/ml
4) Aroclor 1016 (3)	6.921	2690	0.502 ng/ml
5) Aroclor 1016 (4)	7.007	2652	0.537 ng/ml
6) Aroclor 1016 (5)	7.047	2252	0.406 ng/ml
7) Aroclor 1016 (6)	7.176	2484	0.435 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.858f	4665	2.685 ng/ml
10) Aroclor 1221 (2)	5.869	4393	2.558 ng/ml
11) Aroclor 1221 (3)	5.977	5834	1.022 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.977	5834	1.277 ng/ml
14) Aroclor 1232 (2)	6.295	2199	0.845 ng/ml
15) Aroclor 1232 (3)	6.792	3214	0.657 ng/ml
16) Aroclor 1232 (4)	7.007	2652	1.568 ng/ml
17) Aroclor 1232 (5)	7.047	2252	1.082 ng/ml
18) Aroclor 1232 (6)	7.169	2174	1.002 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.295	2199	0.484 ng/ml
21) Aroclor 1242 (2)	6.792	3214	0.364 ng/ml
22) Aroclor 1242 (3)	6.921	2690	0.702 ng/ml
23) Aroclor 1242 (4)	7.007	2652	0.803 ng/ml
24) Aroclor 1242 (5)	7.047	2252	0.564 ng/ml
25) Aroclor 1242 (6)	7.169	2174	0.521 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.760	3001	0.581 ng/ml
28) Aroclor 1248 (2)	7.007	2652	0.417 ng/ml
29) Aroclor 1248 (3)	7.047	2252	0.379 ng/ml
30) Aroclor 1248 (4)	7.169	2174	0.298 ng/ml
31) Aroclor 1248 (5)	7.537	3833	0.431 ng/ml
32) Aroclor 1248 (6)	7.711	14807	1.819 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.516	2869	0.339 ng/ml
35) Aroclor 1254 (2)	7.711	14807	1.064 ng/ml
36) Aroclor 1254 (3)	8.003	7032	0.463 ng/ml
37) Aroclor 1254 (4)	8.249	5026	0.460 ng/ml
38) Aroclor 1254 (5)	8.578	2509	0.223 ng/ml
39) Aroclor 1254 (6)	8.820	2015	0.571 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	7110	0.675 ng/ml
42) Aroclor 1260 (2)	8.350	5884	0.461 ng/ml
43) Aroclor 1260 (3)	8.583	2187	0.165 ng/ml
44) Aroclor 1260 (4)	9.064	2401	0.114 ng/ml
45) Aroclor 1260 (5)	9.327	3144	0.257 ng/ml
46) Aroclor 1260 (6)	9.891	12332	2.527 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20023\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 10:37
 Operator : MJB / KAK
 Sample : 0A20023-CCB2
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 20 13:49:37 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

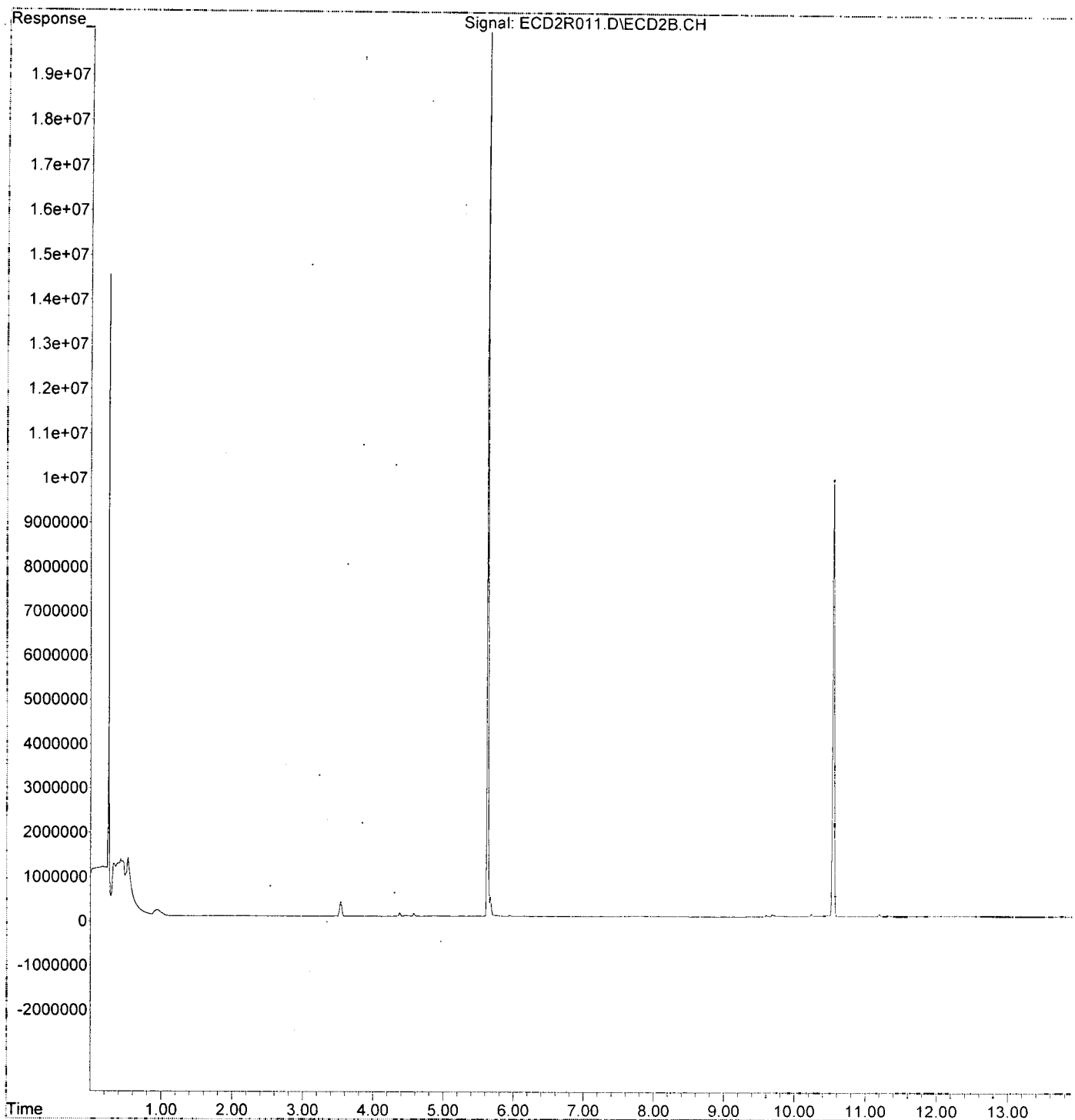
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.350	5884	0.557 ng/ml
49) Aroclor 1262 (2)	8.653	2393	0.157 ng/ml
50) Aroclor 1262 (3)	8.820	2015	0.157 ng/ml
51) Aroclor 1262 (4)	9.064	2401	0.087 ng/ml
52) Aroclor 1262 (5)	9.327	3144	0.192 ng/ml
53) Aroclor 1262 (6)	9.891	12332	1.713 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	1243	0.199 ng/ml
56) Aroclor 1268 (2)	9.327	3144	0.113 ng/ml
57) Aroclor 1268 (3)	9.387	3032	0.135 ng/ml
58) Aroclor 1268 (4)	9.603	41786	2.170 ng/ml
59) Aroclor 1268 (5)	9.891	12332	1.576 ng/ml
60) Aroclor 1268 (6)	10.239	63334	1.251 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 10:37
Operator : MJB / KAK
Sample : 0A20023-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 20 13:49:37 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A20023\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 13:16
 Operator : MJB / KAK
 Sample : 0A20023-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 21 09:20:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/21/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.628	51206351	226.952	ng/ml
62) S DCBP (S)	10.547	29144498	262.035	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.298	3185212	515.241	ng/ml
3) Aroclor 1016 (2)	6.788	5982865	522.916	ng/ml
4) Aroclor 1016 (3)	6.915	2716966	507.227	ng/ml
5) Aroclor 1016 (4)	7.002	2483712	502.698	ng/ml
6) Aroclor 1016 (5)	7.046	2779452	501.207	ng/ml
7) Aroclor 1016 (6)	7.172	2885666	505.143	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.803	226890	130.583	ng/ml
10) Aroclor 1221 (2)	5.877	431259	251.173	ng/ml
11) Aroclor 1221 (3)	5.963	2046310	358.561	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.963	2046310	447.771	ng/ml
14) Aroclor 1232 (2)	6.298	3185212	1223.795	ng/ml
15) Aroclor 1232 (3)	6.788	5982865	1223.000	ng/ml
16) Aroclor 1232 (4)	7.002	2483712	1468.056	ng/ml
17) Aroclor 1232 (5)	7.046	2779452	1335.733	ng/ml
18) Aroclor 1232 (6)	7.172	2885666	1329.999	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.298	3185212	700.612	ng/ml
21) Aroclor 1242 (2)	6.788	5982865	678.141	ng/ml
22) Aroclor 1242 (3)	6.915	2716966	709.359	ng/ml
23) Aroclor 1242 (4)	7.002	2483712	751.822	ng/ml
24) Aroclor 1242 (5)	7.046	2779452	695.919	ng/ml
25) Aroclor 1242 (6)	7.172	2885666	691.872	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.761	4268155	826.837	ng/ml
28) Aroclor 1248 (2)	7.002	2483712	390.561	ng/ml
29) Aroclor 1248 (3)	7.046	2779452	468.254	ng/ml
30) Aroclor 1248 (4)	7.172	2885666	395.540	ng/ml
31) Aroclor 1248 (5)	7.537	634326	71.259	ng/ml
32) Aroclor 1248 (6)	7.696	2285272	280.704	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.515	1980639	233.735	ng/ml
35) Aroclor 1254 (2)	7.696	2285272	164.292	ng/ml
36) Aroclor 1254 (3)	8.006	1369673	90.262	ng/ml
37) Aroclor 1254 (4)	8.245	982886	90.037	ng/ml
38) Aroclor 1254 (5)	8.580	7239471	643.585	ng/ml
39) Aroclor 1254 (6)	8.797	998196	283.001	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.142	5656571	537.295	ng/ml
42) Aroclor 1260 (2)	8.349	6987879	547.534	ng/ml
43) Aroclor 1260 (3)	8.580	7239471	545.915	ng/ml
44) Aroclor 1260 (4)	9.064	12274936	580.307	ng/ml
45) Aroclor 1260 (5)	9.323	6871038	561.601	ng/ml
46) Aroclor 1260 (6)	9.887	2675890	548.343	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20023\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 13:16
 Operator : MJB / KAK
 Sample : 0A20023-CCV3
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 21 09:20:04 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

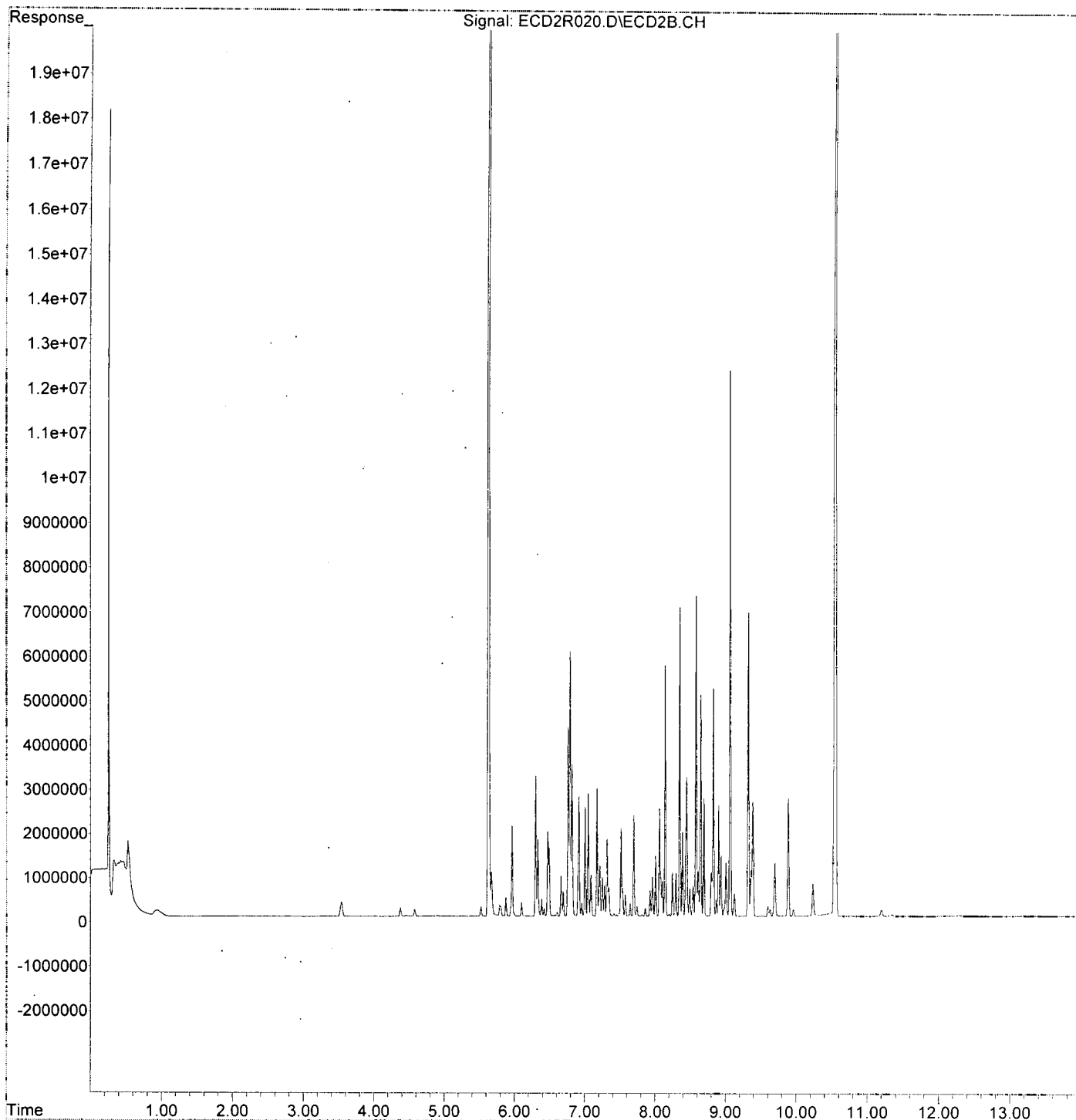
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	6987879	660.999 ng/ml
49) Aroclor 1262 (2)	8.649	5004899	327.599 ng/ml
50) Aroclor 1262 (3)	8.827	5140627	401.480 ng/ml
51) Aroclor 1262 (4)	9.064	12274936	445.962 ng/ml
52) Aroclor 1262 (5)	9.323	6871038	418.467 ng/ml
53) Aroclor 1262 (6)	9.887	2675890	371.624 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.867	384395	61.679 ng/ml
56) Aroclor 1268 (2)	9.323	6871038	247.458 ng/ml
57) Aroclor 1268 (3)	9.386	2600601	115.499 ng/ml
58) Aroclor 1268 (4)	9.601	231407	12.019 ng/ml
59) Aroclor 1268 (5)	9.887	2675890	342.046 ng/ml
60) Aroclor 1268 (6)	10.236	739387	14.608 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 13:16
Operator : MJB / KAK
Sample : 0A20023-CCV3
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 21 09:20:04 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20023\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 13:34
 Operator : MJB / KAK
 Sample : 0A20023-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 21 09:20:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/21/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.628	19006487	84.239 ng/ml
62) S DCBP (S)	10.548	11365262	102.184 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.297	3785	0.612 ng/ml
3) Aroclor 1016 (2)	6.792	5823	0.509 ng/ml
4) Aroclor 1016 (3)	6.918	5301	0.990 ng/ml
5) Aroclor 1016 (4)	6.999	5281	1.069 ng/ml
6) Aroclor 1016 (5)	7.052	5035	0.908 ng/ml
7) Aroclor 1016 (6)	7.162	5417	0.948 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.798	12364	7.116 ng/ml
10) Aroclor 1221 (2)	5.867	5113	2.978 ng/ml
11) Aroclor 1221 (3)	5.978	6976	1.222 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.978	6976	1.526 ng/ml
14) Aroclor 1232 (2)	6.297	3785	1.454 ng/ml
15) Aroclor 1232 (3)	6.792	5823	1.190 ng/ml
16) Aroclor 1232 (4)	6.999	5281	3.121 ng/ml
17) Aroclor 1232 (5)	7.052	5035	2.420 ng/ml
18) Aroclor 1232 (6)	7.162	5417	2.497 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.297	3785	0.832 ng/ml
21) Aroclor 1242 (2)	6.792	5823	0.660 ng/ml
22) Aroclor 1242 (3)	6.918	5301	1.384 ng/ml
23) Aroclor 1242 (4)	6.999	5281	1.598 ng/ml
24) Aroclor 1242 (5)	7.052	5035	1.261 ng/ml
25) Aroclor 1242 (6)	7.162	5417	1.299 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.778	5715	1.107 ng/ml
28) Aroclor 1248 (2)	6.999	5281	0.830 ng/ml
29) Aroclor 1248 (3)	7.052	5035	0.848 ng/ml
30) Aroclor 1248 (4)	7.162	5417	0.743 ng/ml
31) Aroclor 1248 (5)	7.540	6084	0.683 ng/ml
32) Aroclor 1248 (6)	7.718	19196	2.358 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.512	5543	0.654 ng/ml
35) Aroclor 1254 (2)	7.718	19196	1.380 ng/ml
36) Aroclor 1254 (3)	8.006	9240	0.609 ng/ml
37) Aroclor 1254 (4)	8.223	7287	0.667 ng/ml
38) Aroclor 1254 (5)	8.576	5027	0.447 ng/ml
39) Aroclor 1254 (6)	8.820	2823	0.800 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.142	8770	0.833 ng/ml
42) Aroclor 1260 (2)	8.349	7747	0.607 ng/ml
43) Aroclor 1260 (3)	8.576	5027	0.379 ng/ml
44) Aroclor 1260 (4)	9.065	3014	0.142 ng/ml
45) Aroclor 1260 (5)	9.325	3097	0.253 ng/ml
46) Aroclor 1260 (6)	9.889	4655	0.954 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20023\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 20 Jan 2020 13:34
 Operator : MJB / KAK
 Sample : 0A20023-CCB3
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 21 09:20:24 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

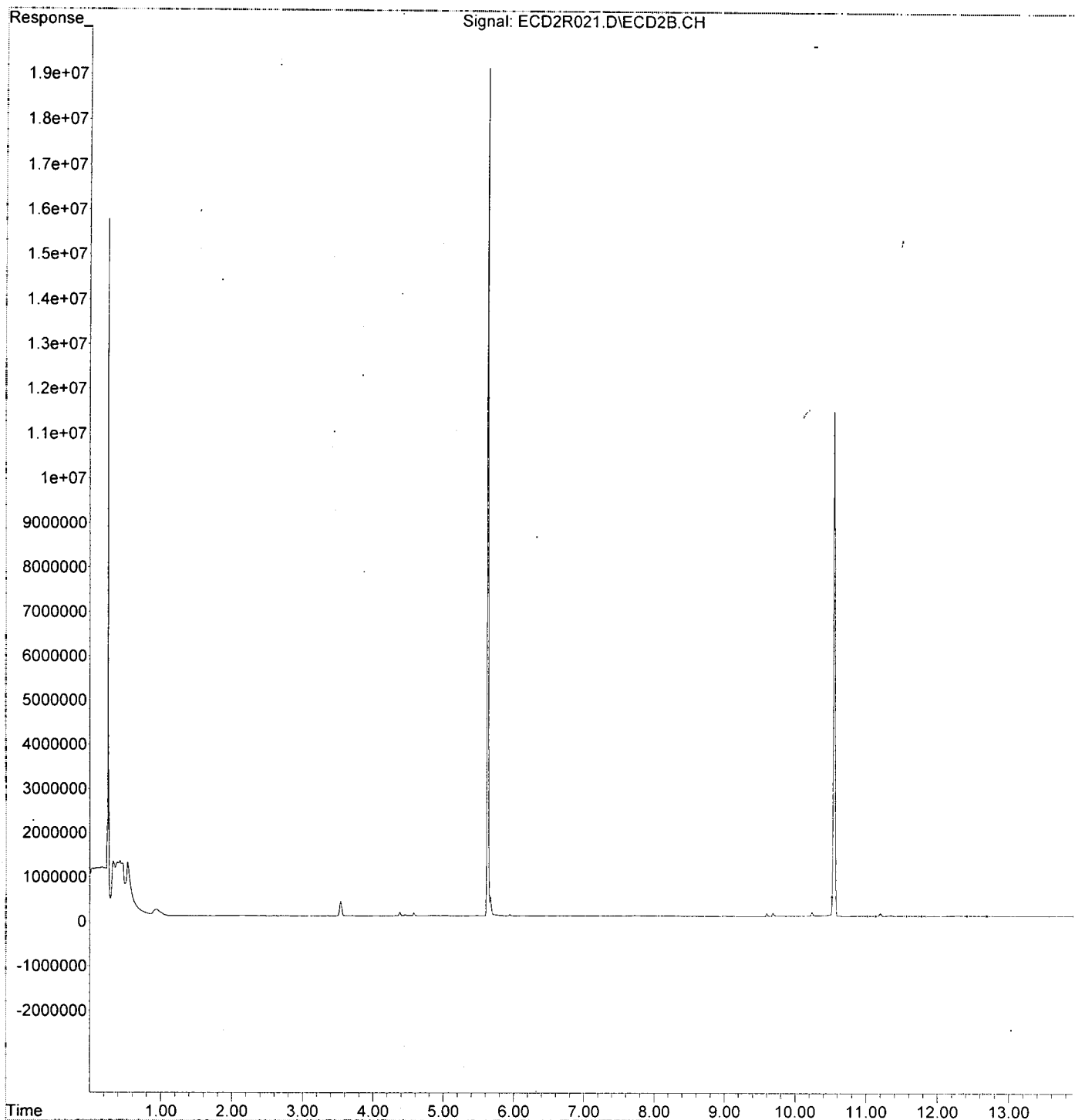
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.349	7747	0.733	ng/ml
49) Aroclor 1262 (2)	8.651	3703	0.242	ng/ml
50) Aroclor 1262 (3)	8.826	3090	0.241	ng/ml
51) Aroclor 1262 (4)	9.065	3014	0.109	ng/ml
52) Aroclor 1262 (5)	9.325	3097	0.189	ng/ml
53) Aroclor 1262 (6)	9.889	4655	0.646	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.864	3078	0.494	ng/ml
56) Aroclor 1268 (2)	9.325	3097	0.112	ng/ml
57) Aroclor 1268 (3)	9.392	2052	0.091	ng/ml
58) Aroclor 1268 (4)	9.602	66360	3.447	ng/ml
59) Aroclor 1268 (5)	9.889	4655	0.595	ng/ml
60) Aroclor 1268 (6)	10.238	93410	1.846	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20023\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 20 Jan 2020 13:34
Operator : MJB / KAK
Sample : 0A20023-CCB3
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 21 09:20:24 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data**

Sequence 0A02022 (QC Only)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A20022**

Instrument: **DUALECD2F**

Date: **01/20/20 07:17**

Calibration: **A9L0407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A20022-CCV1	Water	QC	QC				
2	0A20022-CCB1	Water	QC	QC				A19L338
3	0010536-BLK1	Sediment	QC	QC				A19L339
4	0010536-BS1	Sediment	QC	QC		0010536		
5	0010536-BSD1	Sediment	QC	QC		0010536		
6	A9J0514-28RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	12/27/19	0010536		
7	0A20022-IBL1	Water	QC	QC				
8	0A20022-CCV2	Water	QC	QC				A19L338
9	0A20022-CCB2	Water	QC	QC				A19L339
10	0010535-BLK1	Water	QC	QC		0010535		
11	0010535-BS1	Water	QC	QC		0010535		
12	0010535-BSD1	Water	QC	QC		0010535		
13	A9L0478-02	Water	8082 PCBs - Low Level (1000/1mL)		01/27/20	0010535		
14	0A20022-IBL2	Water	QC	QC				
15	A9L0478-03	Water	8082 PCBs - Low Level (1000/1mL)		01/27/20	0010535		
16	0A20022-IBL3	Water	QC	QC				
17	0A20022-CCV3	Water	QC	QC				A19L338
18	0A20022-CCB3	Water	QC	QC				A19L339

~~A101207~~ N/A 1/22/20

Data Entered By: *JLZ* 1/22/20

Comments: *Complete*

Data Reviewed By: *MLZ* 1/22/20



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A20022**

Instrument: **DUALECD2F**

Date: **01/20/20 07:17**

Calibration: **A9L0407**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A20022-CCV1	Sediment	QC	QC				
2	0A20022-CCB1	Sediment	QC	QC				A19L338
3	0010536-BLK1	Sediment	QC	QC				A19L339
4	0010536-BS1	Sediment	QC	QC		0010536		
5	0010536-BSD1	Sediment	QC	QC		0010536		
6	A9J0514-28RE1	Sediment	8082 PCBs - Low Level (30g/2mL)	Anchor QEA, LLC	12/27/19	0010536		
7	0A20022-IBL1	Sediment	QC	QC				
8	0A20022-CCV2	Sediment	QC	QC				A19L338
9	0A20022-CCB2	Sediment	QC	QC				A19L339

Data Entered By: [Signature] 1/20/20

Comments: Partial

Data Reviewed By: [Signature] 1/21/20

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.

0A20022-CCV1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	490.37
1016 (2)	560.95
1016 (3)	507.07
1016 (4)	549.92
1016 (5)	531.40
1016 (6)	530.71
Average:	528.40

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	539.24
1260 (2)	530.59
1260 (3)	533.98
1260 (4)	550.84
1260 (5)	548.52
1260 (6)	494.79
Average:	532.99

0010536-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	754.08
1016 (2)	922.42
1016 (3)	845.36
1016 (4)	939.90
1016 (5)	855.64
1016 (6)	885.53
Average:	867.16

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,086.76
1260 (2)	1,103.99
1260 (3)	1,070.84
1260 (4)	1,155.22
1260 (5)	1,111.02
1260 (6)	1,083.63
Average:	1,101.91

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.

0010536-BSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	792.21
1016 (2)	923.75
1016 (3)	858.35
1016 (4)	951.24
1016 (5)	880.03
1016 (6)	873.48
Average:	879.84

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	1,065.19
1260 (2)	1,111.83
1260 (3)	1,093.25
1260 (4)	1,164.58
1260 (5)	1,104.75
1260 (6)	1,126.45
Average:	1,111.01

0A20022-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	487.97
1016 (2)	555.49
1016 (3)	496.37
1016 (4)	521.18
1016 (5)	511.05
1016 (6)	524.87
Average:	516.16

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	524.47
1260 (2)	516.69
1260 (3)	509.20
1260 (4)	534.28
1260 (5)	526.28
1260 (6)	506.81
Average:	519.62

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.

0A20022-CCV2

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	487.97
1016 (2)	555.49
1016 (3)	496.37
1016 (4)	521.18
1016 (5)	511.05
1016 (6)	524.87
Average:	516.16

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	524.47
1260 (2)	516.69
1260 (3)	509.20
1260 (4)	534.28
1260 (5)	526.28
1260 (6)	506.81
Average:	519.62

0010535-BS1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	727.02
1016 (2)	863.92
1016 (3)	764.21
1016 (4)	843.51
1016 (5)	801.43
1016 (6)	773.63
Average:	795.62

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	881.95
1260 (2)	936.72
1260 (3)	852.08
1260 (4)	957.96
1260 (5)	916.09
1260 (6)	872.84
Average:	902.94

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.

0010535-BSD1

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	760.07
1016 (2)	884.29
1016 (3)	831.72
1016 (4)	886.04
1016 (5)	862.63
1016 (6)	855.34
Average:	846.68

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	935.10
1260 (2)	971.38
1260 (3)	920.59
1260 (4)	982.00
1260 (5)	984.32
1260 (6)	944.74
Average:	956.36

0A20022-CCV3

Aroclor 1016

<u>Peak</u>	<u>Initial Res</u>
1016 (1)	500.72
1016 (2)	561.75
1016 (3)	530.89
1016 (4)	568.05
1016 (5)	540.98
1016 (6)	554.41
Average:	542.80

Aroclor 1260

<u>Peak</u>	<u>Initial Res</u>
1260 (1)	553.71
1260 (2)	569.65
1260 (3)	560.03
1260 (4)	580.40
1260 (5)	537.84
1260 (6)	526.01
Average:	554.61

Data Path : K:\DATA\0A20022\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 7:59
 Operator : MJB / KAK
 Sample : 0A20022-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:06:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/20/20

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	4.819	18470359	277.384	ng/ml
62) S DCBP (S)	9.566	29956104	268.243	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.729	1833000	490.375	ng/ml
3) Aroclor 1016 (2)	6.142	4035447	560.953	ng/ml
4) Aroclor 1016 (3)	6.224	2014534	507.066	ng/ml
5) Aroclor 1016 (4)	6.378	1967258	549.920	ng/ml
6) Aroclor 1016 (5)	6.600	2206115	531.404	ng/ml
7) Aroclor 1016 (6)	6.726	1556694	530.710	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.168	186203	172.023	ng/ml
10) Aroclor 1221 (2)	5.287	196854	274.334	ng/ml
11) Aroclor 1221 (3)	5.368	865733	369.954	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.368	865733	487.415	ng/ml
14) Aroclor 1232 (2)	6.142	4035447	1451.504	ng/ml
15) Aroclor 1232 (3)	6.224	2014534	1373.289	ng/ml
16) Aroclor 1232 (4)	6.378	1967258	1726.627	ng/ml
17) Aroclor 1232 (5)	6.600	2206115	1536.314	ng/ml
18) Aroclor 1232 (6)	6.726	1556694	1299.279	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.729	1833000	690.129	ng/ml
21) Aroclor 1242 (2)	6.142	4035447	777.980	ng/ml
22) Aroclor 1242 (3)	6.224	2014534	714.331	ng/ml
23) Aroclor 1242 (4)	6.378	1967258	859.372	ng/ml
24) Aroclor 1242 (5)	6.600	2206115	739.140	ng/ml
25) Aroclor 1242 (6)	6.726	1556694	620.389	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.142	4035447	1185.747	ng/ml
28) Aroclor 1248 (2)	6.378	1967258	435.695	ng/ml
29) Aroclor 1248 (3)	6.600	2206115	422.720	ng/ml
30) Aroclor 1248 (4)	6.893	406960	70.103	ng/ml
31) Aroclor 1248 (5)	6.927	1543866	250.656	ng/ml
32) Aroclor 1248 (6)	7.412	3363080	984.100	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.927	1543866	257.392	ng/ml
35) Aroclor 1254 (2)	7.037	1644029	225.594	ng/ml
36) Aroclor 1254 (3)	7.412	3363080	300.008	ng/ml
37) Aroclor 1254 (4)	7.573	472549	66.276	ng/ml
38) Aroclor 1254 (5)	7.951	4484686	585.545	ng/ml
39) Aroclor 1254 (6)	8.242	483227	193.764	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.525	4490694	539.242	ng/ml
42) Aroclor 1260 (2)	7.658	5413302	530.591	ng/ml
43) Aroclor 1260 (3)	8.213	4199865	533.984	ng/ml
44) Aroclor 1260 (4)	8.383	10255884	550.845	ng/ml
45) Aroclor 1260 (5)	8.682	6634878	548.519	ng/ml
46) Aroclor 1260 (6)	9.072	2530661	494.791	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 7:59
 Operator : MJB / KAK
 Sample : 0A20022-CCV1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:06:39 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

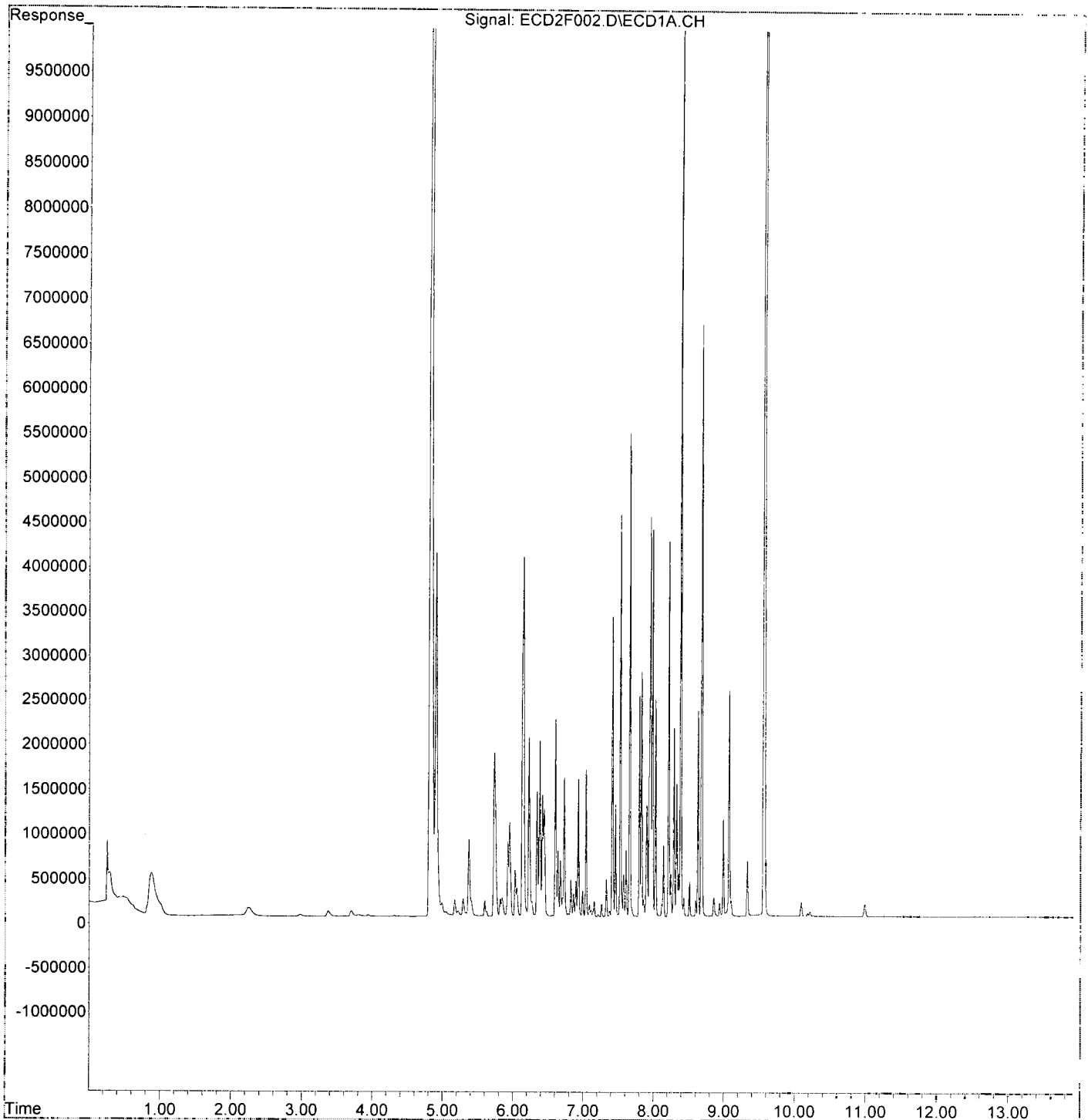
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.658	5413302	672.760	ng/ml
49) Aroclor 1262 (2)	7.982	4330702	385.806	ng/ml
50) Aroclor 1262 (3)	8.213	4199865	432.756	ng/ml
51) Aroclor 1262 (4)	8.383	10255884	496.410	ng/ml
52) Aroclor 1262 (5)	8.682	6634878	507.162	ng/ml
53) Aroclor 1262 (6)	9.072	2530661	379.032	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.213	4199865	822.820	ng/ml
56) Aroclor 1268 (2)	8.629	2300021	93.780	ng/ml
57) Aroclor 1268 (3)	8.682	6634878	325.013	ng/ml
58) Aroclor 1268 (4)	8.854	208682	10.895	ng/ml
59) Aroclor 1268 (5)	9.072	2530661	326.548	ng/ml
60) Aroclor 1268 (6)	9.330	624363	11.942	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 7:59
Operator : MJB / KAK
Sample : 0A20022-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 13:06:39 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:16
 Operator : MJB / KAK
 Sample : 0A20022-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	4.815	6791193	101.989 ng/ml
62) S DCBP (S)	9.560	11283001	101.034 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.730	3955	1.058 ng/ml
3) Aroclor 1016 (2)	6.154	8389	1.166 ng/ml
4) Aroclor 1016 (3)	6.233	5687	1.431 ng/ml
5) Aroclor 1016 (4)	6.381	2848	0.796 ng/ml
6) Aroclor 1016 (5)	6.604	2778	0.669 ng/ml
7) Aroclor 1016 (6)	6.729	2215	0.755 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.168	13453	12.428 ng/ml
10) Aroclor 1221 (2)	5.313	11473	15.989 ng/ml
11) Aroclor 1221 (3)	5.367	11346	4.848 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.367	11346	6.388 ng/ml
14) Aroclor 1232 (2)	6.154	8389	3.018 ng/ml
15) Aroclor 1232 (3)	6.233	5687	3.877 ng/ml
16) Aroclor 1232 (4)	6.381	2848	2.500 ng/ml
17) Aroclor 1232 (5)	6.604	2778	1.934 ng/ml
18) Aroclor 1232 (6)	6.729	2215	1.849 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.730	3955	1.489 ng/ml
21) Aroclor 1242 (2)	6.154	8389	1.617 ng/ml
22) Aroclor 1242 (3)	6.233	5687	2.017 ng/ml
23) Aroclor 1242 (4)	6.381	2848	1.244 ng/ml
24) Aroclor 1242 (5)	6.604	2778	0.931 ng/ml
25) Aroclor 1242 (6)	6.729	2215	0.883 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.154	8389	2.465 ng/ml
28) Aroclor 1248 (2)	6.381	2848	0.631 ng/ml
29) Aroclor 1248 (3)	6.604	2778	0.532 ng/ml
30) Aroclor 1248 (4)	6.894	1337	0.230 ng/ml
31) Aroclor 1248 (5)	6.929	1379	0.224 ng/ml
32) Aroclor 1248 (6)	7.412	1595	0.467 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.929	1379	0.230 ng/ml
35) Aroclor 1254 (2)	7.037	1604	0.220 ng/ml
36) Aroclor 1254 (3)	7.412	1595	0.142 ng/ml
37) Aroclor 1254 (4)	7.570	2245	0.315 ng/ml
38) Aroclor 1254 (5)	7.954	4463	0.583 ng/ml
39) Aroclor 1254 (6)	8.240	675	0.271 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.523	2772	0.333 ng/ml
42) Aroclor 1260 (2)	7.655	4523	0.443 ng/ml
43) Aroclor 1260 (3)	8.209	1284	0.163 ng/ml
44) Aroclor 1260 (4)	8.379	8301	0.446 ng/ml
45) Aroclor 1260 (5)	8.677	2829	0.234 ng/ml
46) Aroclor 1260 (6)	9.066	4209	0.823 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:16
 Operator : MJB / KAK
 Sample : 0A20022-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

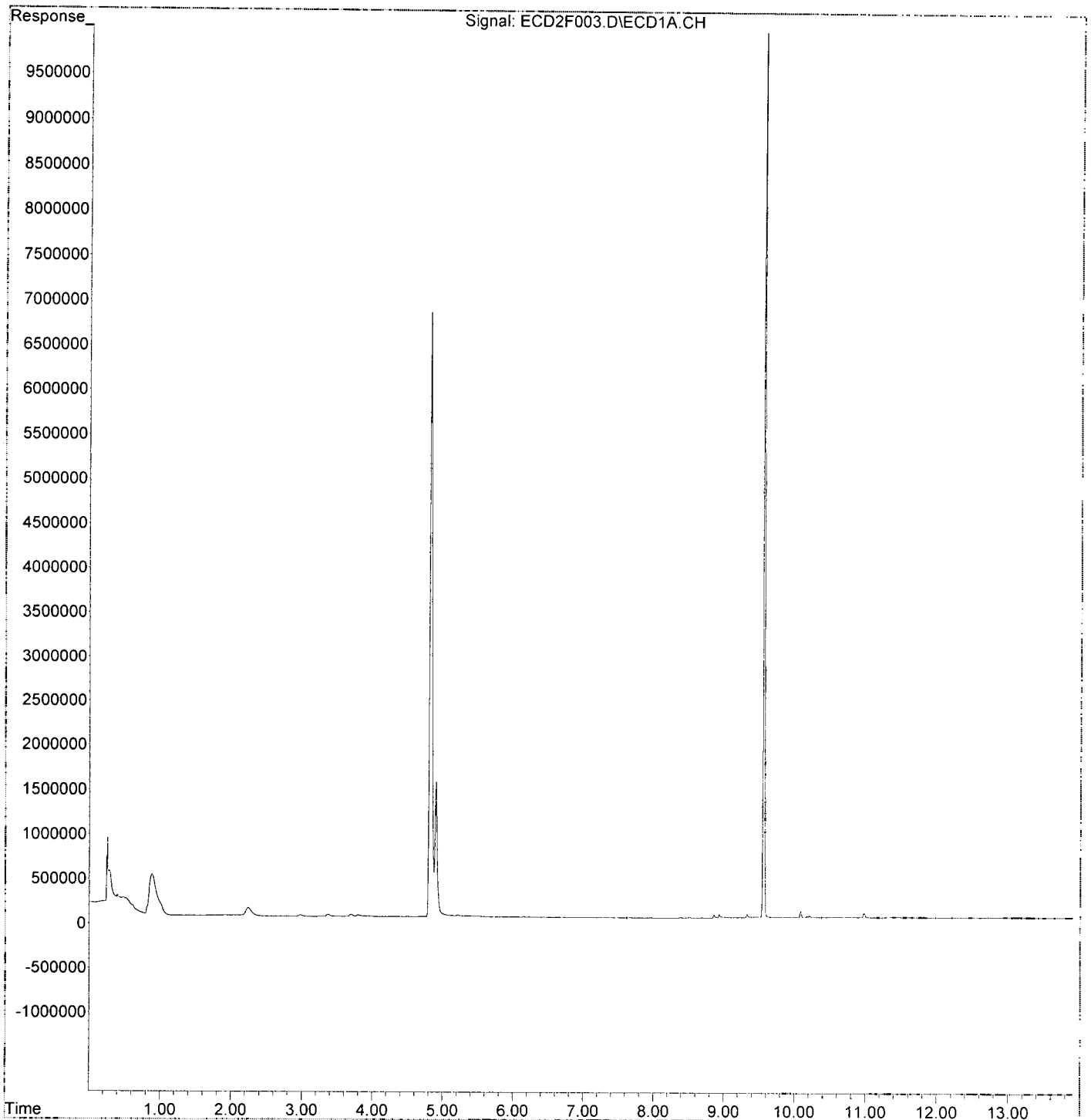
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.655	4523	0.562 ng/ml
49) Aroclor 1262 (2)	7.978	2131	0.190 ng/ml
50) Aroclor 1262 (3)	8.209	1284	0.132 ng/ml
51) Aroclor 1262 (4)	8.379	8301	0.402 ng/ml
52) Aroclor 1262 (5)	8.677	2829	0.216 ng/ml
53) Aroclor 1262 (6)	9.066	4209	0.630 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.209	1284	0.252 ng/ml
56) Aroclor 1268 (2)	8.625	697	0.028 ng/ml
57) Aroclor 1268 (3)	8.677	2829	0.139 ng/ml
58) Aroclor 1268 (4)	8.858	37582	1.962 ng/ml
59) Aroclor 1268 (5)	9.066	4209	0.543 ng/ml
60) Aroclor 1268 (6)	9.328	38858	0.743 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:16
 Operator : MJB / KAK
 Sample : 0A20022-CCB1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:01 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:34
 Operator : MJB / KAK
 Sample : 0010536-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.813	11807590	177.324 ng/ml
62) S DCBP (S)	9.558	27377975	245.157 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.722	6127	1.639 ng/ml
3) Aroclor 1016 (2)	6.138	8283	1.151 ng/ml
4) Aroclor 1016 (3)	6.205	3095	0.779 ng/ml
5) Aroclor 1016 (4)	6.374	4849	1.355 ng/ml
6) Aroclor 1016 (5)	6.596	4848	1.168 ng/ml
7) Aroclor 1016 (6)	6.723	3849	1.312 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.162	15060	13.913 ng/ml
10) Aroclor 1221 (2)	5.309	11682	16.280 ng/ml
11) Aroclor 1221 (3)	5.361	15021	6.419 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.361	15021	8.457 ng/ml
14) Aroclor 1232 (2)	6.138	8283	2.979 ng/ml
15) Aroclor 1232 (3)	6.205	3095	2.110 ng/ml
16) Aroclor 1232 (4)	6.374	4849	4.256 ng/ml
17) Aroclor 1232 (5)	6.596	4848	3.376 ng/ml
18) Aroclor 1232 (6)	6.723	3849	3.213 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.722	6127	2.307 ng/ml
21) Aroclor 1242 (2)	6.138	8283	1.597 ng/ml
22) Aroclor 1242 (3)	6.205	3095	1.097 ng/ml
23) Aroclor 1242 (4)	6.374	4849	2.118 ng/ml
24) Aroclor 1242 (5)	6.596	4848	1.624 ng/ml
25) Aroclor 1242 (6)	6.723	3849	1.534 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.138	8283	2.434 ng/ml
28) Aroclor 1248 (2)	6.374	4849	1.074 ng/ml
29) Aroclor 1248 (3)	6.596	4848	0.929 ng/ml
30) Aroclor 1248 (4)	6.891	2048	0.353 ng/ml
31) Aroclor 1248 (5)	6.922	4099	0.665 ng/ml
32) Aroclor 1248 (6)	7.407	5718	1.673 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.922	4099	0.683 ng/ml
35) Aroclor 1254 (2)	7.034	4230	0.580 ng/ml
36) Aroclor 1254 (3)	7.407	5718	0.510 ng/ml
37) Aroclor 1254 (4)	7.569	3250	0.456 ng/ml
38) Aroclor 1254 (5)	7.954	7051	0.921 ng/ml
39) Aroclor 1254 (6)	8.236	934	0.374 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.520	7202	0.865 ng/ml
42) Aroclor 1260 (2)	7.653	7154	0.701 ng/ml
43) Aroclor 1260 (3)	8.207	2324	0.295 ng/ml
44) Aroclor 1260 (4)	8.375	11447	0.615 ng/ml
45) Aroclor 1260 (5)	8.675	4914	0.406 ng/ml
46) Aroclor 1260 (6)	9.063	5971	1.168 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:34
 Operator : MJB / KAK
 Sample : 0010536-BLK1
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:23 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

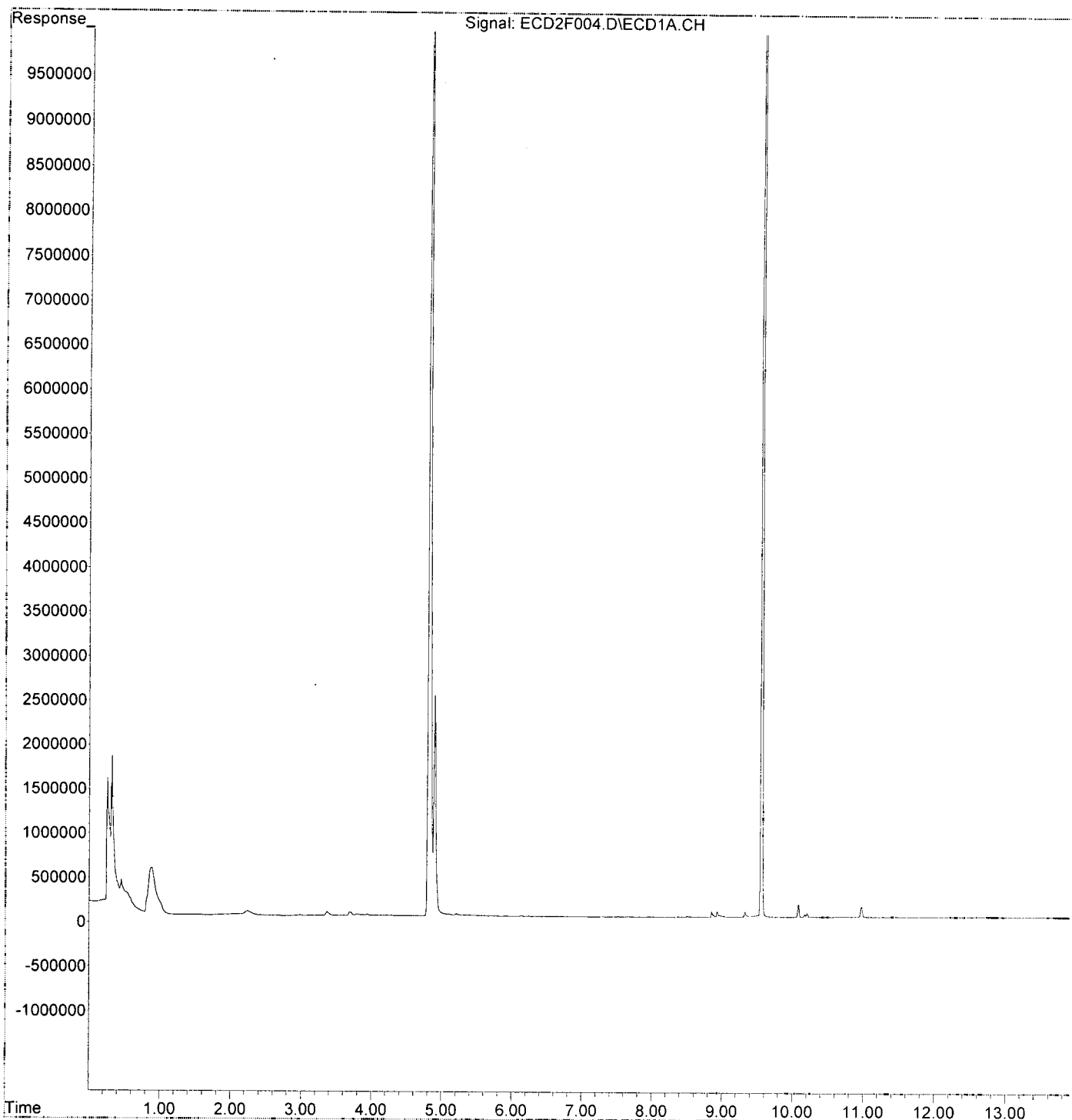
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.653	7154	0.889 ng/ml
49) Aroclor 1262 (2)	7.976	4252	0.379 ng/ml
50) Aroclor 1262 (3)	8.207	2324	0.239 ng/ml
51) Aroclor 1262 (4)	8.375	11447	0.554 ng/ml
52) Aroclor 1262 (5)	8.675	4914	0.376 ng/ml
53) Aroclor 1262 (6)	9.063	5971	0.894 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.207	2324	0.455 ng/ml
56) Aroclor 1268 (2)	8.622	2106	0.086 ng/ml
57) Aroclor 1268 (3)	8.675	4914	0.241 ng/ml
58) Aroclor 1268 (4)	8.855	64671	3.376 ng/ml
59) Aroclor 1268 (5)	9.063	5971	0.771 ng/ml
60) Aroclor 1268 (6)	9.327	60963	1.166 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 8:34
Operator : MJB / KAK
Sample : 0010536-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 13:07:23 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:52
 Operator : MJB / KAK
 Sample : 0010536-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten: 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	13059835	196.130	ng/ml
62) S DCBP (S)	9.560	29510953	264.257	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.723	2818727	754.082	ng/ml
3) Aroclor 1016 (2)	6.136	6635820	922.422	ng/ml
4) Aroclor 1016 (3)	6.218	3358560	845.362	ng/ml
5) Aroclor 1016 (4)	6.374	3362346	939.897	ng/ml
6) Aroclor 1016 (5)	6.595	3552191	855.643	ng/ml
7) Aroclor 1016 (6)	6.721	2597473	885.534	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	270822	250.197	ng/ml
10) Aroclor 1221 (2)	5.282	297637	414.786	ng/ml
11) Aroclor 1221 (3)	5.363	1355320	579.169	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.363	1355320	763.057	ng/ml
14) Aroclor 1232 (2)	6.136	6635820	2386.829	ng/ml
15) Aroclor 1232 (3)	6.218	3358560	2289.499	ng/ml
16) Aroclor 1232 (4)	6.374	3362346	2951.071	ng/ml
17) Aroclor 1232 (5)	6.595	3552191	2473.706	ng/ml
18) Aroclor 1232 (6)	6.721	2597473	2167.955	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.723	2818727	1061.258	ng/ml
21) Aroclor 1242 (2)	6.136	6635820	1279.297	ng/ml
22) Aroclor 1242 (3)	6.218	3358560	1190.907	ng/ml
23) Aroclor 1242 (4)	6.374	3362346	1468.799	ng/ml
24) Aroclor 1242 (5)	6.595	3552191	1190.131	ng/ml
25) Aroclor 1242 (6)	6.721	2597473	1035.171	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.136	6635820	1949.822	ng/ml
28) Aroclor 1248 (2)	6.374	3362346	744.670	ng/ml
29) Aroclor 1248 (3)	6.595	3552191	680.645	ng/ml
30) Aroclor 1248 (4)	6.888	734112	126.459	ng/ml
31) Aroclor 1248 (5)	6.921	2632410	427.388	ng/ml
32) Aroclor 1248 (6)	7.407	6333446	1853.284	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.921	2632410	438.873	ng/ml
35) Aroclor 1254 (2)	7.031	3054471	419.135	ng/ml
36) Aroclor 1254 (3)	7.407	6333446	564.983	ng/ml
37) Aroclor 1254 (4)	7.567	896793	125.777	ng/ml
38) Aroclor 1254 (5)	7.946	8508129	1110.868	ng/ml
39) Aroclor 1254 (6)	8.237	831525	333.425	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.520	9050273	1086.756	ng/ml
42) Aroclor 1260 (2)	7.653	11263392	1103.995	ng/ml
43) Aroclor 1260 (3)	8.208	8422345	1070.842	ng/ml
44) Aroclor 1260 (4)	8.378	21508426	1155.220	ng/ml
45) Aroclor 1260 (5)	8.676	13438927	1111.025	ng/ml
46) Aroclor 1260 (6)	9.066	5542334	1083.630	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 8:52
 Operator : MJB / KAK
 Sample : 0010536-BS1
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:07:45 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

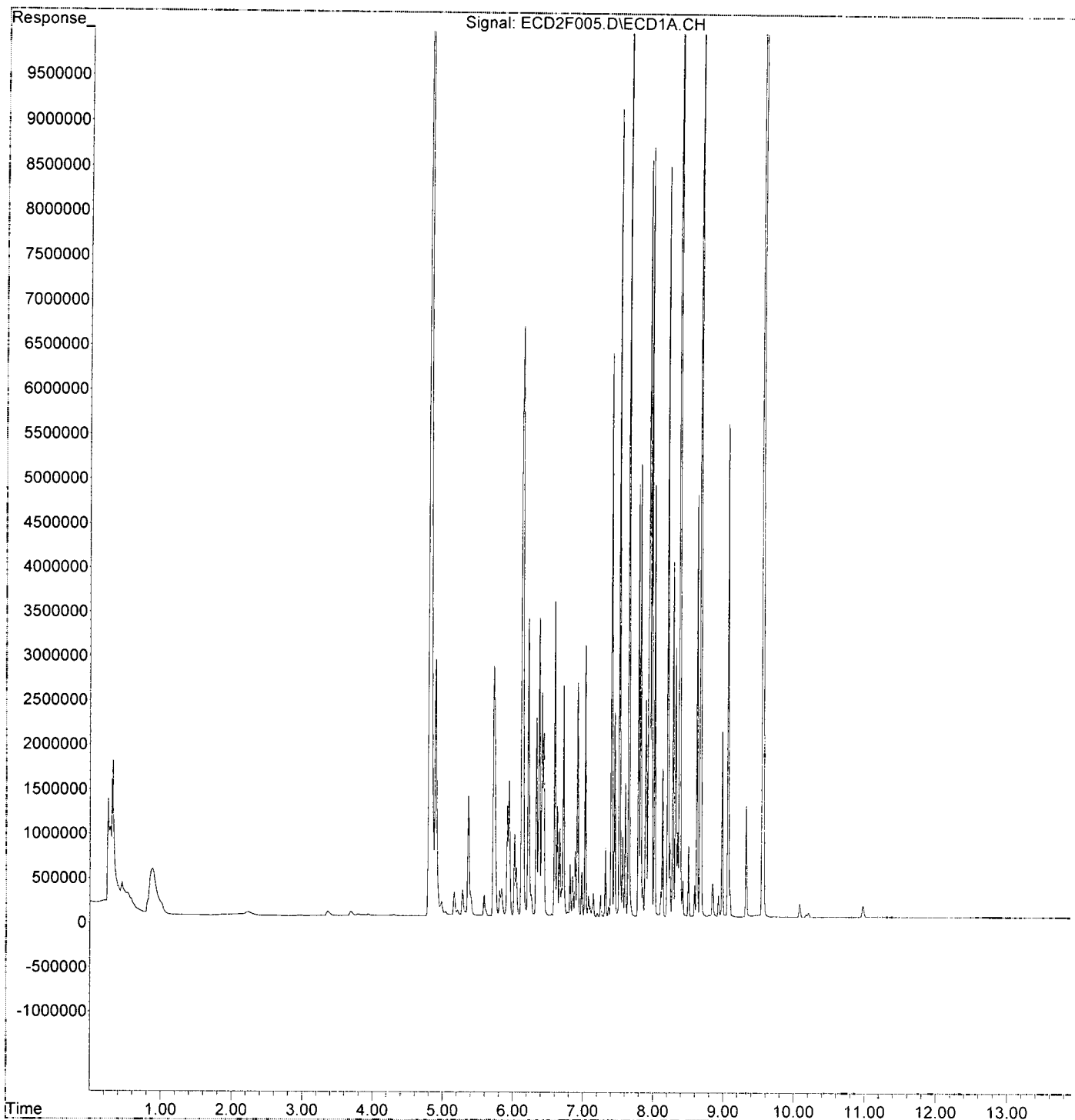
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.653	11263392	1399.803	ng/ml
49)	Aroclor 1262 (2)	7.976	8645853	770.227	ng/ml
50)	Aroclor 1262 (3)	8.208	8422345	867.842	ng/ml
51)	Aroclor 1262 (4)	8.378	21508426	1041.061	ng/ml
52)	Aroclor 1262 (5)	8.676	13438927	1027.255	ng/ml
53)	Aroclor 1262 (6)	9.066	5542334	830.109	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.208	8422345	1650.070	ng/ml
56)	Aroclor 1268 (2)	8.625	4746575	193.535	ng/ml
57)	Aroclor 1268 (3)	8.676	13438927	658.313	ng/ml
58)	Aroclor 1268 (4)	8.848	380990	19.892	ng/ml
59)	Aroclor 1268 (5)	9.066	5542334	715.164	ng/ml
60)	Aroclor 1268 (6)	9.324	1250799	23.923	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 8:52
Operator : MJB / KAK
Sample : 0010536-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 13:07:45 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 9:09
 Operator : MJB / KAK
 Sample : 0010536-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:08:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/20/20
 Q-19

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.812	12901776	193.756	ng/ml
62) S DCBP (S)	9.559	27878009	249.635	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.724	2961251	792.211	ng/ml
3) Aroclor 1016 (2)	6.136	6645361	923.749	ng/ml
4) Aroclor 1016 (3)	6.217	3410167	858.352	ng/ml
5) Aroclor 1016 (4)	6.373	3402909	951.236	ng/ml
6) Aroclor 1016 (5)	6.594	3653443	880.032	ng/ml
7) Aroclor 1016 (6)	6.720	2562127	873.483	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.163	266721	246.409	ng/ml
10) Aroclor 1221 (2)	5.282	295240	411.445	ng/ml
11) Aroclor 1221 (3)	5.363	1301521	556.179	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.363	1301521	732.768	ng/ml
14) Aroclor 1232 (2)	6.136	6645361	2390.260	ng/ml
15) Aroclor 1232 (3)	6.217	3410167	2324.679	ng/ml
16) Aroclor 1232 (4)	6.373	3402909	2986.672	ng/ml
17) Aroclor 1232 (5)	6.594	3653443	2544.217	ng/ml
18) Aroclor 1232 (6)	6.720	2562127	2138.454	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.724	2961251	1114.918	ng/ml
21) Aroclor 1242 (2)	6.136	6645361	1281.136	ng/ml
22) Aroclor 1242 (3)	6.217	3410167	1209.206	ng/ml
23) Aroclor 1242 (4)	6.373	3402909	1486.518	ng/ml
24) Aroclor 1242 (5)	6.594	3653443	1224.054	ng/ml
25) Aroclor 1242 (6)	6.720	2562127	1021.084	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.136	6645361	1952.626	ng/ml
28) Aroclor 1248 (2)	6.373	3402909	753.654	ng/ml
29) Aroclor 1248 (3)	6.594	3653443	700.046	ng/ml
30) Aroclor 1248 (4)	6.887	725181	124.921	ng/ml
31) Aroclor 1248 (5)	6.920	2632534	427.408	ng/ml
32) Aroclor 1248 (6)	7.407	6452062	1887.994	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.920	2632534	438.893	ng/ml
35) Aroclor 1254 (2)	7.031	3164209	434.193	ng/ml
36) Aroclor 1254 (3)	7.407	6452062	575.564	ng/ml
37) Aroclor 1254 (4)	7.567	847987	118.932	ng/ml
38) Aroclor 1254 (5)	7.945	8343627	1089.390	ng/ml
39) Aroclor 1254 (6)	8.237	794075	318.409	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.519	8870663	1065.188	ng/ml
42) Aroclor 1260 (2)	7.652	11343315	1111.829	ng/ml
43) Aroclor 1260 (3)	8.207	8598603	1093.252	ng/ml
44) Aroclor 1260 (4)	8.377	21682755	1164.583	ng/ml
45) Aroclor 1260 (5)	8.676	13362973	1104.745	ng/ml
46) Aroclor 1260 (6)	9.066	5761339	1126.449	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A20022\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 9:09
 Operator : MJB / KAK
 Sample : 0010536-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:08:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

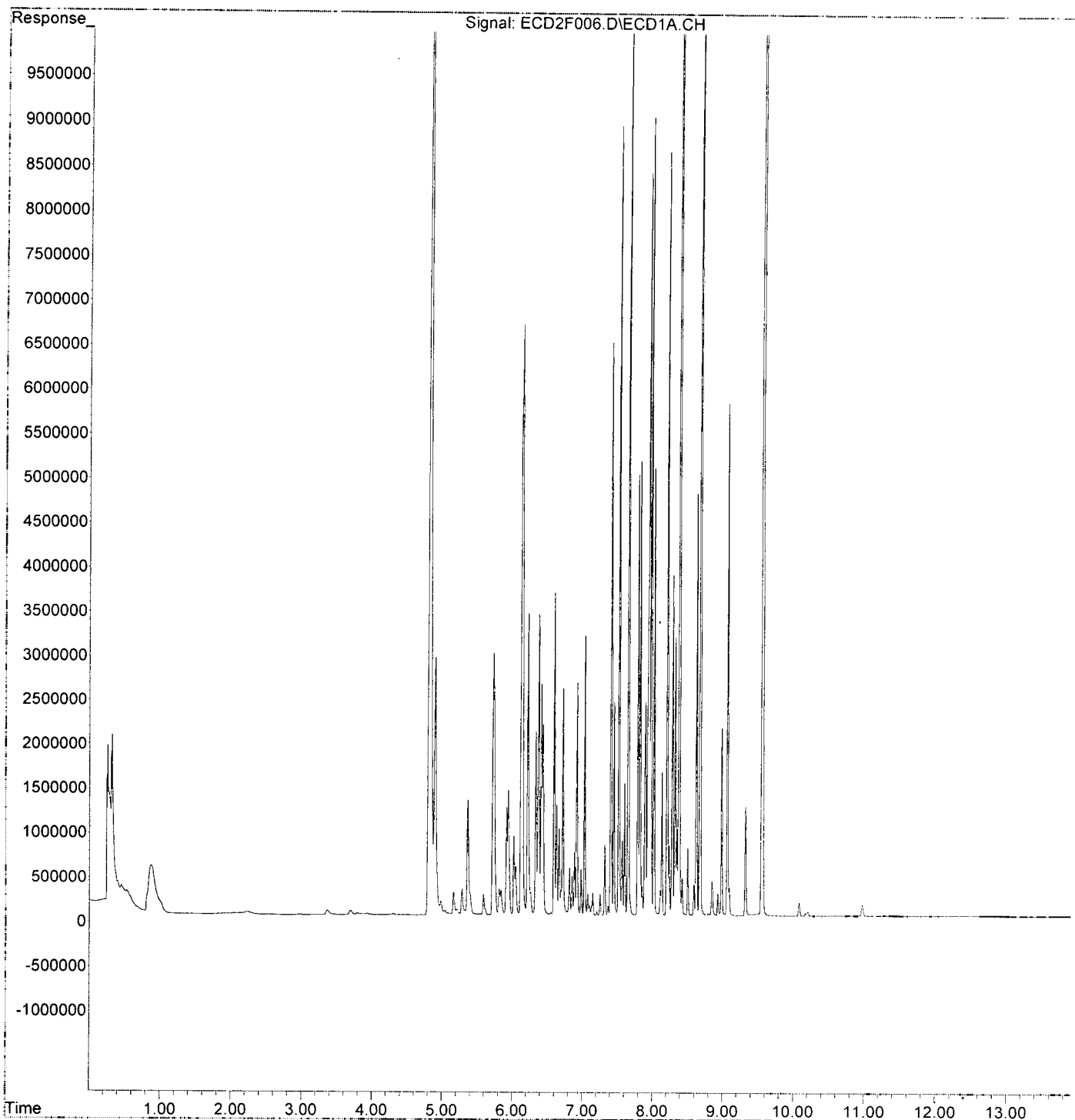
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.652	11343315	1409.736	ng/ml
49) Aroclor 1262 (2)	7.976	8984020	800.353	ng/ml
50) Aroclor 1262 (3)	8.207	8598603	886.003	ng/ml
51) Aroclor 1262 (4)	8.377	21682755	1049.499	ng/ml
52) Aroclor 1262 (5)	8.676	13362973	1021.449	ng/ml
53) Aroclor 1262 (6)	9.066	5761339	862.910	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.207	8598603	1684.601	ng/ml
56) Aroclor 1268 (2)	8.625	4759802	194.074	ng/ml
57) Aroclor 1268 (3)	8.676	13362973	654.592	ng/ml
58) Aroclor 1268 (4)	8.848	391381	20.434	ng/ml
59) Aroclor 1268 (5)	9.066	5761339	743.424	ng/ml
60) Aroclor 1268 (6)	9.323	1227593	23.480	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 9:09
 Operator : MJB / KAK
 Sample : 0010536-BSD1
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:08:07 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:02
 Operator : MJB / KAK
 Sample : 0A20022-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:08:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/20/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	17547744	263.528	ng/ml
62) S DCBP (S)	9.558	30072135	269.282	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.723	1824001	487.967	ng/ml
3) Aroclor 1016 (2)	6.137	3996150	555.491	ng/ml
4) Aroclor 1016 (3)	6.218	1972040	496.370	ng/ml
5) Aroclor 1016 (4)	6.374	1864431	521.176	ng/ml
6) Aroclor 1016 (5)	6.595	2121625	511.052	ng/ml
7) Aroclor 1016 (6)	6.722	1539561	524.869	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	183055	169.114	ng/ml
10) Aroclor 1221 (2)	5.282	201492	280.798	ng/ml
11) Aroclor 1221 (3)	5.363	830000	354.684	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.363	830000	467.297	ng/ml
14) Aroclor 1232 (2)	6.137	3996150	1437.369	ng/ml
15) Aroclor 1232 (3)	6.218	1972040	1344.321	ng/ml
16) Aroclor 1232 (4)	6.374	1864431	1636.377	ng/ml
17) Aroclor 1232 (5)	6.595	2121625	1477.476	ng/ml
18) Aroclor 1232 (6)	6.722	1539561	1284.979	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.723	1824001	686.741	ng/ml
21) Aroclor 1242 (2)	6.137	3996150	770.404	ng/ml
22) Aroclor 1242 (3)	6.218	1972040	699.263	ng/ml
23) Aroclor 1242 (4)	6.374	1864431	814.453	ng/ml
24) Aroclor 1242 (5)	6.595	2121625	710.832	ng/ml
25) Aroclor 1242 (6)	6.722	1539561	613.561	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.137	3996150	1174.200	ng/ml
28) Aroclor 1248 (2)	6.374	1864431	412.922	ng/ml
29) Aroclor 1248 (3)	6.595	2121625	406.530	ng/ml
30) Aroclor 1248 (4)	6.889	411735	70.926	ng/ml
31) Aroclor 1248 (5)	6.922	1518540	246.544	ng/ml
32) Aroclor 1248 (6)	7.407	3261049	954.244	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.922	1518540	253.169	ng/ml
35) Aroclor 1254 (2)	7.031	1583345	217.267	ng/ml
36) Aroclor 1254 (3)	7.407	3261049	290.906	ng/ml
37) Aroclor 1254 (4)	7.567	435782	61.119	ng/ml
38) Aroclor 1254 (5)	7.947	4144243	541.095	ng/ml
39) Aroclor 1254 (6)	8.237	437225	175.319	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.520	4367671	524.469	ng/ml
42) Aroclor 1260 (2)	7.653	5271441	516.687	ng/ml
43) Aroclor 1260 (3)	8.208	4004927	509.198	ng/ml
44) Aroclor 1260 (4)	8.378	9947544	534.284	ng/ml
45) Aroclor 1260 (5)	8.676	6365810	526.275	ng/ml
46) Aroclor 1260 (6)	9.066	2592152	506.814	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:02
 Operator : MJB / KAK
 Sample : 0A20022-CCV2
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:08:51 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

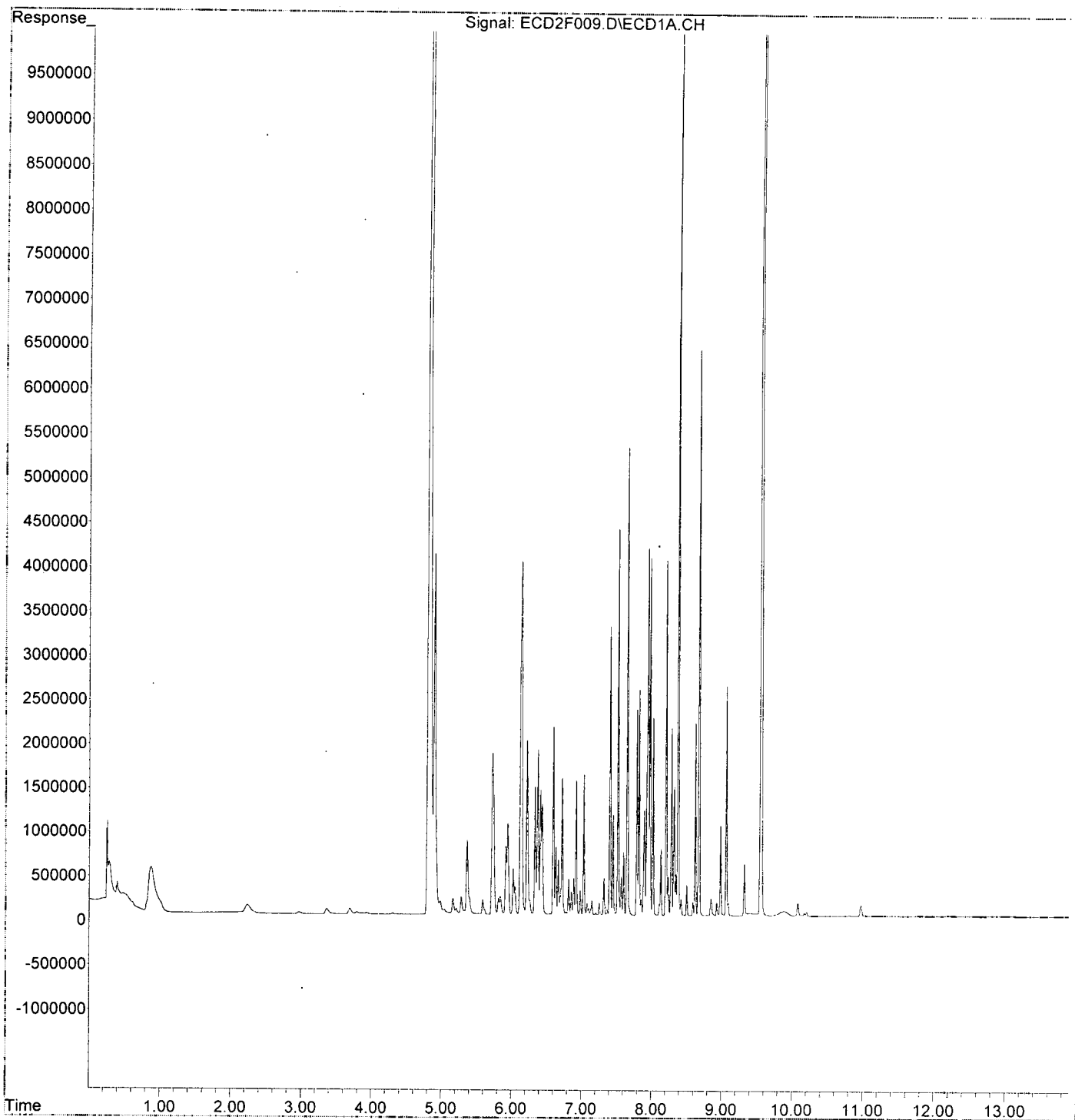
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.653	5271441	655.129	ng/ml
49) Aroclor 1262 (2)	7.976	4042220	360.106	ng/ml
50) Aroclor 1262 (3)	8.208	4004927	412.669	ng/ml
51) Aroclor 1262 (4)	8.378	9947544	481.486	ng/ml
52) Aroclor 1262 (5)	8.676	6365810	486.595	ng/ml
53) Aroclor 1262 (6)	9.066	2592152	388.242	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.208	4004927	784.628	ng/ml
56) Aroclor 1268 (2)	8.624	2176673	88.751	ng/ml
57) Aroclor 1268 (3)	8.676	6365810	311.833	ng/ml
58) Aroclor 1268 (4)	8.851	191520	9.999	ng/ml
59) Aroclor 1268 (5)	9.066	2592152	334.483	ng/ml
60) Aroclor 1268 (6)	9.323	585671	11.202	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 10:02
Operator : MJB / KAK
Sample : 0A20022-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 13:08:51 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:20
 Operator : MJB / KAK
 Sample : 0A20022-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:09:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/20/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.815	6699692	100.614 ng/ml
62) S DCBP (S)	9.558	11662998	104.437 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.726	4864	1.301 ng/ml
3) Aroclor 1016 (2)	6.140	8709	1.211 ng/ml
4) Aroclor 1016 (3)	6.231	6897	1.736 ng/ml
5) Aroclor 1016 (4)	6.381	3908	1.092 ng/ml
6) Aroclor 1016 (5)	6.600	4396	1.059 ng/ml
7) Aroclor 1016 (6)	6.727	3666	1.250 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.159	14484	13.381 ng/ml
10) Aroclor 1221 (2)	5.259	14198	19.786 ng/ml
11) Aroclor 1221 (3)	5.371	12496	5.340 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.371	12496	7.036 ng/ml
14) Aroclor 1232 (2)	6.140	8709	3.132 ng/ml
15) Aroclor 1232 (3)	6.231	6897	4.702 ng/ml
16) Aroclor 1232 (4)	6.381	3908	3.430 ng/ml
17) Aroclor 1232 (5)	6.600	4396	3.061 ng/ml
18) Aroclor 1232 (6)	6.727	3666	3.059 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.726	4864	1.831 ng/ml
21) Aroclor 1242 (2)	6.140	8709	1.679 ng/ml
22) Aroclor 1242 (3)	6.231	6897	2.446 ng/ml
23) Aroclor 1242 (4)	6.381	3908	1.707 ng/ml
24) Aroclor 1242 (5)	6.600	4396	1.473 ng/ml
25) Aroclor 1242 (6)	6.727	3666	1.461 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.140	8709	2.559 ng/ml
28) Aroclor 1248 (2)	6.381	3908	0.866 ng/ml
29) Aroclor 1248 (3)	6.600	4396	0.842 ng/ml
30) Aroclor 1248 (4)	6.892	2958	0.510 ng/ml
31) Aroclor 1248 (5)	6.928	3192	0.518 ng/ml
32) Aroclor 1248 (6)	7.406	2594	0.759 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.928	3192	0.532 ng/ml
35) Aroclor 1254 (2)	7.033	3576	0.491 ng/ml
36) Aroclor 1254 (3)	7.406	2594	0.231 ng/ml
37) Aroclor 1254 (4)	7.569	3323	0.466 ng/ml
38) Aroclor 1254 (5)	7.951	4614	0.602 ng/ml
39) Aroclor 1254 (6)	8.238	1703	0.683 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.522	3480	0.418 ng/ml
42) Aroclor 1260 (2)	7.653	5695	0.558 ng/ml
43) Aroclor 1260 (3)	8.209	1923	0.244 ng/ml
44) Aroclor 1260 (4)	8.378	7227	0.388 ng/ml
45) Aroclor 1260 (5)	8.677	2987	0.247 ng/ml
46) Aroclor 1260 (6)	9.078	5941	1.162 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:20
 Operator : MJB / KAK
 Sample : 0A20022-CCB2
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 20 13:09:12 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

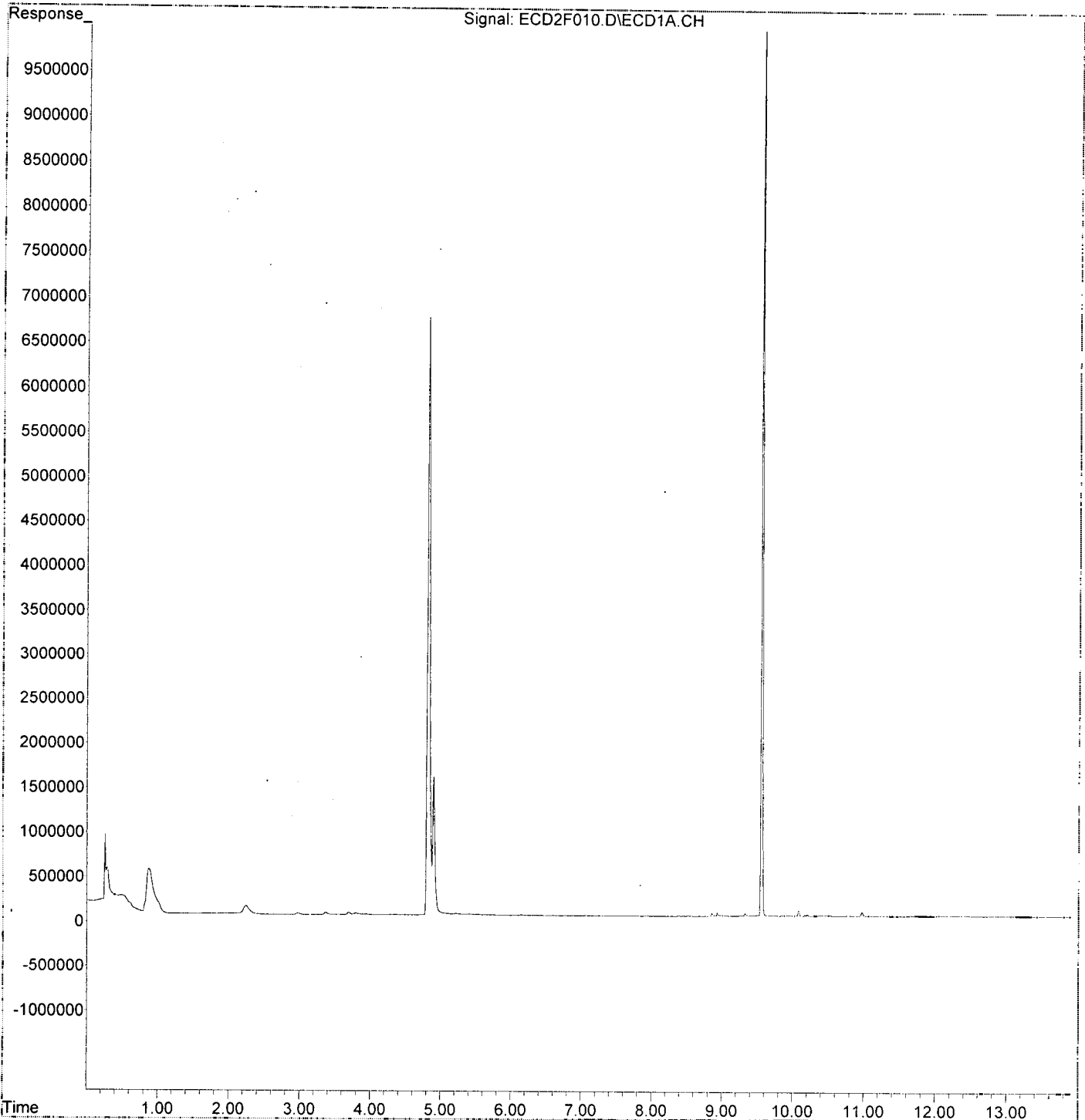
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.653	5695	0.708 ng/ml
49) Aroclor 1262 (2)	7.977	2579	0.230 ng/ml
50) Aroclor 1262 (3)	8.209	1923	0.198 ng/ml
51) Aroclor 1262 (4)	8.378	7227	0.350 ng/ml
52) Aroclor 1262 (5)	8.677	2987	0.228 ng/ml
53) Aroclor 1262 (6)	9.078	5941	0.890 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.209	1923	0.377 ng/ml
56) Aroclor 1268 (2)	8.631	687	0.028 ng/ml
57) Aroclor 1268 (3)	8.677	2987	0.146 ng/ml
58) Aroclor 1268 (4)	8.856	36473	1.904 ng/ml
59) Aroclor 1268 (5)	9.078	5941	0.767 ng/ml
60) Aroclor 1268 (6)	9.326	34509	0.660 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 10:20
Operator : MJB / KAK
Sample : 0A20022-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 20 13:09:12 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\0A20022\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:37
 Operator : MJB / KAK
 Sample : 0010535-BLK1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:15:14 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/21/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.814	22459169	337.287 ng/ml
62) S DCBP (S)	9.558	43337688	388.069 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.727	7089	1.897 ng/ml
3) Aroclor 1016 (2)	6.137	6921	0.962 ng/ml
4) Aroclor 1016 (3)	6.230	4171	1.050 ng/ml
5) Aroclor 1016 (4)	6.375	4109	1.149 ng/ml
6) Aroclor 1016 (5)	6.596	3972	0.957 ng/ml
7) Aroclor 1016 (6)	6.722	3238	1.104 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.174	19519	18.033 ng/ml
10) Aroclor 1221 (2)	5.257	19889	27.718 ng/ml
11) Aroclor 1221 (3)	5.358	134431	57.446 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.358	134431	75.686 ng/ml
14) Aroclor 1232 (2)	6.137	6921	2.490 ng/ml
15) Aroclor 1232 (3)	6.230	4171	2.844 ng/ml
16) Aroclor 1232 (4)	6.375	4109	3.606 ng/ml
17) Aroclor 1232 (5)	6.596	3972	2.766 ng/ml
18) Aroclor 1232 (6)	6.722	3238	2.702 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.727	7089	2.669 ng/ml
21) Aroclor 1242 (2)	6.137	6921	1.334 ng/ml
22) Aroclor 1242 (3)	6.230	4171	1.479 ng/ml
23) Aroclor 1242 (4)	6.375	4109	1.795 ng/ml
24) Aroclor 1242 (5)	6.596	3972	1.331 ng/ml
25) Aroclor 1242 (6)	6.722	3238	1.290 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.137	6921	2.034 ng/ml
28) Aroclor 1248 (2)	6.375	4109	0.910 ng/ml
29) Aroclor 1248 (3)	6.596	3972	0.761 ng/ml
30) Aroclor 1248 (4)	6.890	1949	0.336 ng/ml
31) Aroclor 1248 (5)	6.921	2976	0.483 ng/ml
32) Aroclor 1248 (6)	7.406	5490	1.606 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.921	2976	0.496 ng/ml
35) Aroclor 1254 (2)	7.032	3705	0.508 ng/ml
36) Aroclor 1254 (3)	7.406	5490	0.490 ng/ml
37) Aroclor 1254 (4)	7.567	4097	0.575 ng/ml
38) Aroclor 1254 (5)	7.955	9200	1.201 ng/ml
39) Aroclor 1254 (6)	8.235	1019	0.408 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.519	6338	0.761 ng/ml
42) Aroclor 1260 (2)	7.654	7831	0.768 ng/ml
43) Aroclor 1260 (3)	8.207	2055	0.261 ng/ml
44) Aroclor 1260 (4)	8.376	14260	0.766 ng/ml
45) Aroclor 1260 (5)	8.674	5758	0.476 ng/ml
46) Aroclor 1260 (6)	9.080	20857	4.078 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

LMDZ N.P.M.
 1/22/20

Data Path : K:\DATA\0A20022\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:37
 Operator : MJB / KAK
 Sample : 0010535-BLK1
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:15:14 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

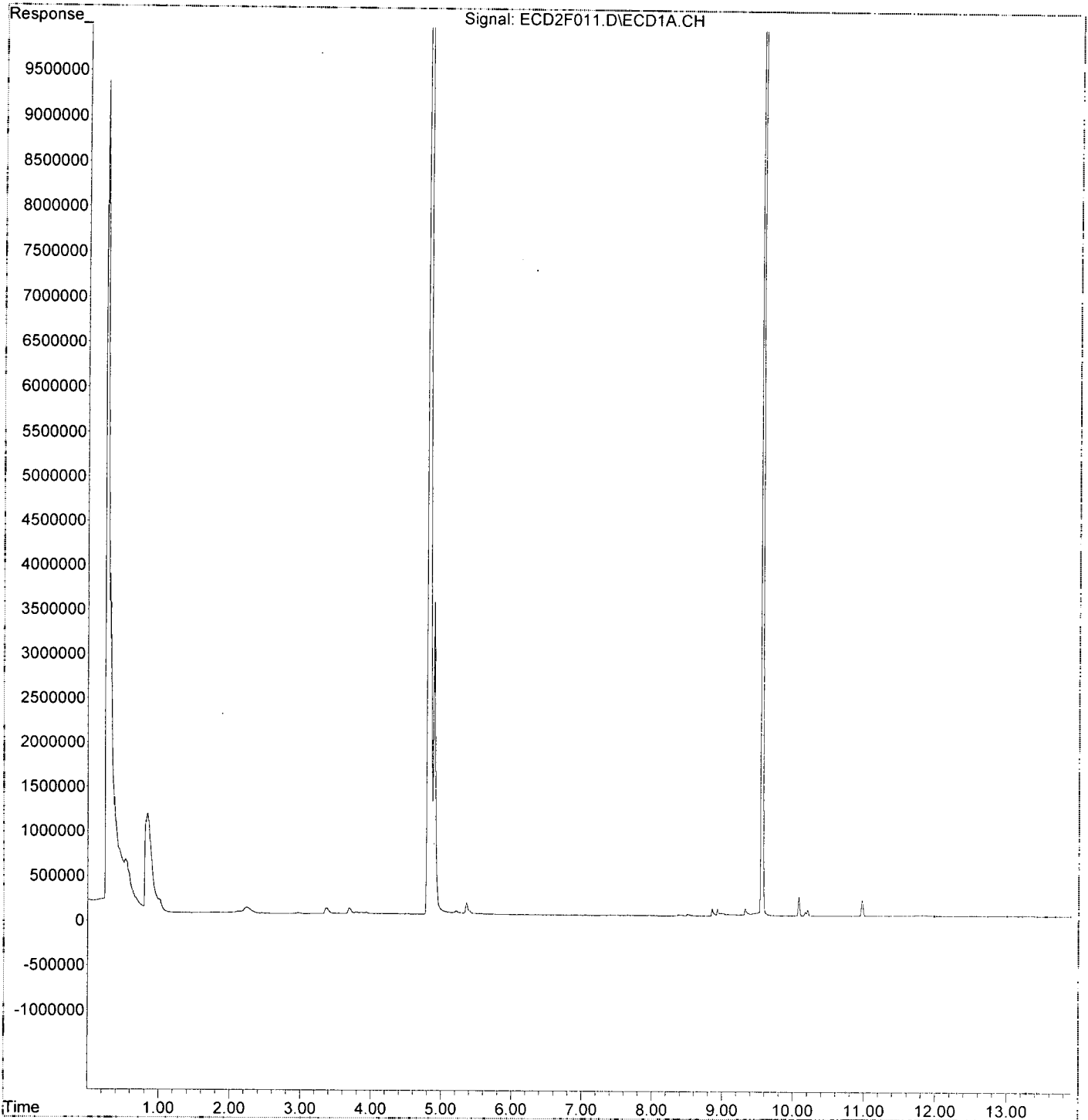
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.654	7831	0.973 ng/ml
49) Aroclor 1262 (2)	7.976	5470	0.487 ng/ml
50) Aroclor 1262 (3)	8.207	2055	0.212 ng/ml
51) Aroclor 1262 (4)	8.376	14260	0.690 ng/ml
52) Aroclor 1262 (5)	8.674	5758	0.440 ng/ml
53) Aroclor 1262 (6)	9.080	20857	3.124 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.207	2055	0.403 ng/ml
56) Aroclor 1268 (2)	8.623	3241	0.132 ng/ml
57) Aroclor 1268 (3)	8.674	5758	0.282 ng/ml
58) Aroclor 1268 (4)	8.856	86960	4.540 ng/ml
59) Aroclor 1268 (5)	9.080	20857	2.691 ng/ml
60) Aroclor 1268 (6)	9.327	84283	1.612 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 10:37
Operator : MJB / KAK
Sample : 0010535-BLK1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 21 09:15:14 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:55
 Operator : MJB / KAK
 Sample : 0010535-BS1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:15:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/21/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.813	23556879	353.772	ng/ml
62) S DCBP (S)	9.559	42484478	380.429	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.723	2717557	727.016	ng/ml
3) Aroclor 1016 (2)	6.136	6214956	863.920	ng/ml
4) Aroclor 1016 (3)	6.218	3036167	764.214	ng/ml
5) Aroclor 1016 (4)	6.373	3017540	843.511	ng/ml
6) Aroclor 1016 (5)	6.596	3327124	801.430	ng/ml
7) Aroclor 1016 (6)	6.721	2269248	773.635	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.163	261209	241.316	ng/ml
10) Aroclor 1221 (2)	5.282	280020	390.235	ng/ml
11) Aroclor 1221 (3)	5.363	1339456	572.389	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.363	1339456	754.125	ng/ml
14) Aroclor 1232 (2)	6.136	6214956	2235.449	ng/ml
15) Aroclor 1232 (3)	6.218	3036167	2069.726	ng/ml
16) Aroclor 1232 (4)	6.373	3017540	2648.440	ng/ml
17) Aroclor 1232 (5)	6.596	3327124	2316.972	ng/ml
18) Aroclor 1232 (6)	6.721	2269248	1894.005	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.723	2717557	1023.167	ng/ml
21) Aroclor 1242 (2)	6.136	6214956	1198.160	ng/ml
22) Aroclor 1242 (3)	6.218	3036167	1076.590	ng/ml
23) Aroclor 1242 (4)	6.373	3017540	1318.174	ng/ml
24) Aroclor 1242 (5)	6.596	3327124	1114.724	ng/ml
25) Aroclor 1242 (6)	6.721	2269248	904.363	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.136	6214956	1826.159	ng/ml
28) Aroclor 1248 (2)	6.373	3017540	668.305	ng/ml
29) Aroclor 1248 (3)	6.596	3327124	637.519	ng/ml
30) Aroclor 1248 (4)	6.888	660901	113.848	ng/ml
31) Aroclor 1248 (5)	6.921	2284035	370.827	ng/ml
32) Aroclor 1248 (6)	7.408	5360184	1568.490	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.921	2284035	380.792	ng/ml
35) Aroclor 1254 (2)	7.031	2607226	357.764	ng/ml
36) Aroclor 1254 (3)	7.408	5360184	478.162	ng/ml
37) Aroclor 1254 (4)	7.567	733874	102.927	ng/ml
38) Aroclor 1254 (5)	7.946	6819202	890.353	ng/ml
39) Aroclor 1254 (6)	8.238	677252	271.565	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.519	7344690	881.949	ng/ml
42) Aroclor 1260 (2)	7.653	9556815	936.723	ng/ml
43) Aroclor 1260 (3)	8.208	6701708	852.075	ng/ml
44) Aroclor 1260 (4)	8.378	17835740	957.960	ng/ml
45) Aroclor 1260 (5)	8.677	11081051	916.094	ng/ml
46) Aroclor 1260 (6)	9.066	4464250	872.844	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 10:55
 Operator : MJB / KAK
 Sample : 0010535-BS1
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:15:36 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

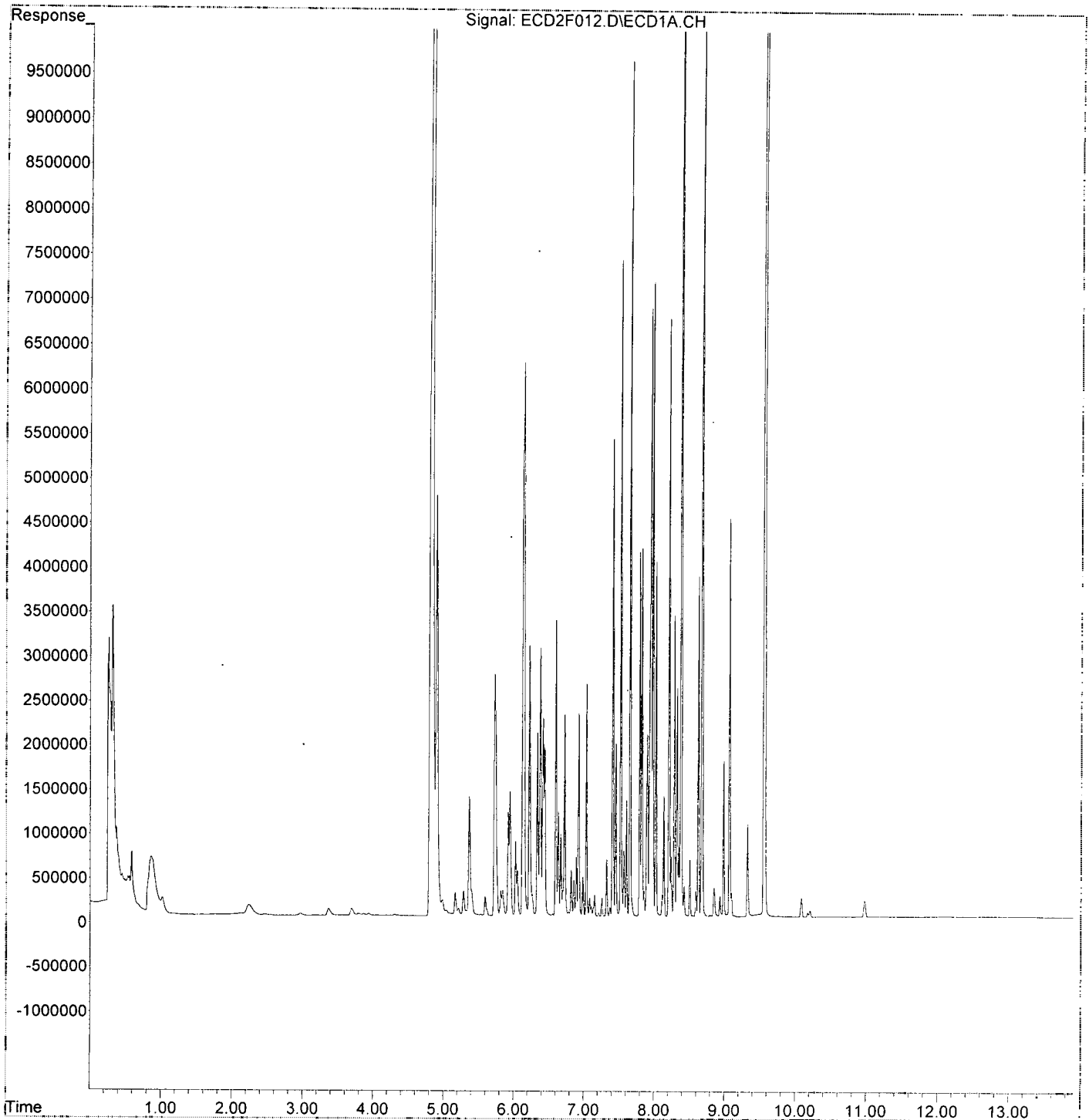
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.653	9556815	1187.711 ng/ml
49) Aroclor 1262 (2)	7.976	7111203	633.511 ng/ml
50) Aroclor 1262 (3)	8.208	6701708	690.547 ng/ml
51) Aroclor 1262 (4)	8.378	17835740	863.294 ng/ml
52) Aroclor 1262 (5)	8.677	11081051	847.022 ng/ml
53) Aroclor 1262 (6)	9.066	4464250	668.637 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.208	6701708	1312.970 ng/ml
56) Aroclor 1268 (2)	8.625	3818678	155.701 ng/ml
57) Aroclor 1268 (3)	8.677	11081051	542.811 ng/ml
58) Aroclor 1268 (4)	8.849	319883	16.701 ng/ml
59) Aroclor 1268 (5)	9.066	4464250	576.052 ng/ml
60) Aroclor 1268 (6)	9.324	1035725	19.810 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 10:55
Operator : MJB / KAK
Sample : 0010535-BS1
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 21 09:15:36 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 11:13
 Operator : MJB / KAK
 Sample : 0010535-BSD1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:15:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/21/20
 G-19

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.811	23015746	345.645 ng/ml
62) S DCBP (S)	9.558	42216964	378.034 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.724	2841093	760.066 ng/ml
3) Aroclor 1016 (2)	6.135	6361533	884.295 ng/ml
4) Aroclor 1016 (3)	6.216	3304354	831.718 ng/ml
5) Aroclor 1016 (4)	6.372	3169671	886.038 ng/ml
6) Aroclor 1016 (5)	6.594	3581211	862.633 ng/ml
7) Aroclor 1016 (6)	6.720	2508922	855.345 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.161	273471	252.645 ng/ml
10) Aroclor 1221 (2)	5.281	292980	408.296 ng/ml
11) Aroclor 1221 (3)	5.361	1377609	588.693 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.361	1377609	775.606 ng/ml
14) Aroclor 1232 (2)	6.135	6361533	2288.170 ng/ml
15) Aroclor 1232 (3)	6.216	3304354	2252.547 ng/ml
16) Aroclor 1232 (4)	6.372	3169671	2781.963 ng/ml
17) Aroclor 1232 (5)	6.594	3581211	2493.915 ng/ml
18) Aroclor 1232 (6)	6.720	2508922	2094.047 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.724	2841093	1069.679 ng/ml
21) Aroclor 1242 (2)	6.135	6361533	1226.418 ng/ml
22) Aroclor 1242 (3)	6.216	3304354	1171.686 ng/ml
23) Aroclor 1242 (4)	6.372	3169671	1384.631 ng/ml
24) Aroclor 1242 (5)	6.594	3581211	1199.854 ng/ml
25) Aroclor 1242 (6)	6.720	2508922	999.881 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.135	6361533	1869.228 ng/ml
28) Aroclor 1248 (2)	6.372	3169671	701.998 ng/ml
29) Aroclor 1248 (3)	6.594	3581211	686.206 ng/ml
30) Aroclor 1248 (4)	6.887	725086	124.904 ng/ml
31) Aroclor 1248 (5)	6.920	2486109	403.635 ng/ml
32) Aroclor 1248 (6)	7.407	5861665	1715.232 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.920	2486109	414.481 ng/ml
35) Aroclor 1254 (2)	7.030	2844778	390.360 ng/ml
36) Aroclor 1254 (3)	7.407	5861665	522.897 ng/ml
37) Aroclor 1254 (4)	7.566	766375	107.485 ng/ml
38) Aroclor 1254 (5)	7.946	7773812	1014.992 ng/ml
39) Aroclor 1254 (6)	8.237	776556	311.384 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.519	7787349	935.104 ng/ml
42) Aroclor 1260 (2)	7.652	9910397	971.379 ng/ml
43) Aroclor 1260 (3)	8.207	7240555	920.586 ng/ml
44) Aroclor 1260 (4)	8.377	18283325	981.999 ng/ml
45) Aroclor 1260 (5)	8.676	11906271	984.317 ng/ml
46) Aroclor 1260 (6)	9.065	4831963	944.739 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 11:13
 Operator : MJB / KAK
 Sample : 0010535-BSD1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:15:58 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

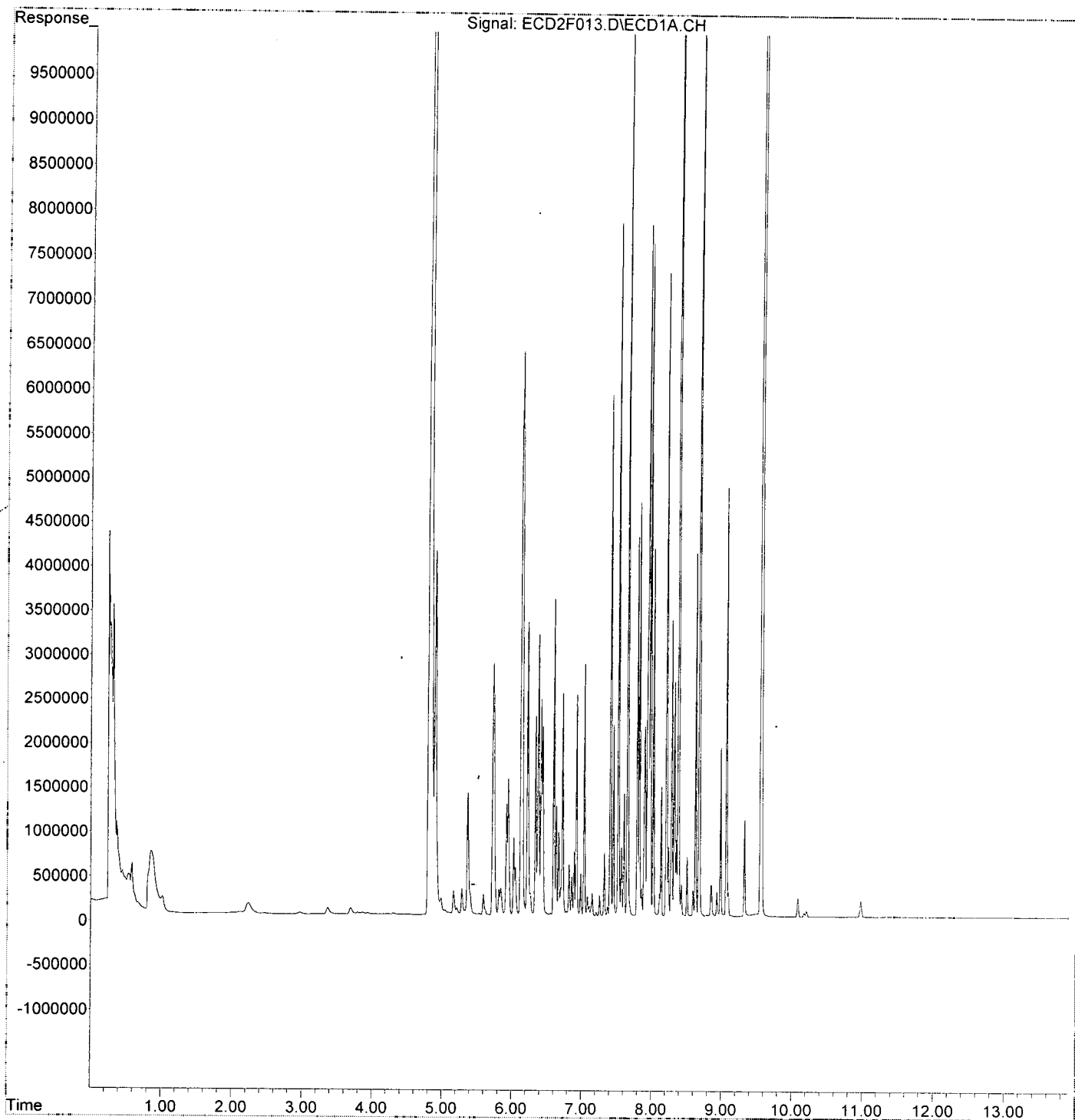
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	7.652	9910397	1231.654	ng/ml
49)	Aroclor 1262 (2)	7.976	7562453	673.711	ng/ml
50)	Aroclor 1262 (3)	8.207	7240555	746.070	ng/ml
51)	Aroclor 1262 (4)	8.377	18283325	884.958	ng/ml
52)	Aroclor 1262 (5)	8.676	11906271	910.101	ng/ml
53)	Aroclor 1262 (6)	9.065	4831963	723.712	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.207	7240555	1418.538	ng/ml
56)	Aroclor 1268 (2)	8.624	4087276	166.653	ng/ml
57)	Aroclor 1268 (3)	8.676	11906271	583.235	ng/ml
58)	Aroclor 1268 (4)	8.849	357057	18.642	ng/ml
59)	Aroclor 1268 (5)	9.065	4831963	623.500	ng/ml
60)	Aroclor 1268 (6)	9.323	1090494	20.857	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 11:13
Operator : MJB / KAK
Sample : 0010535-BSD1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 21 09:15:58 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 12:41
 Operator : MJB / KAK
 Sample : 0A20022-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:17:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/21/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.812	18559123	278.717	ng/ml
62) S DCBP (S)	9.559	31277848	280.079	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.724	1871684	500.724	ng/ml
3) Aroclor 1016 (2)	6.137	4041176	561.750	ng/ml
4) Aroclor 1016 (3)	6.218	2109168	530.885	ng/ml
5) Aroclor 1016 (4)	6.374	2032120	568.051	ng/ml
6) Aroclor 1016 (5)	6.596	2245887	540.984	ng/ml
7) Aroclor 1016 (6)	6.721	1626225	554.415	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.164	191588	176.997	ng/ml
10) Aroclor 1221 (2)	5.282	207370	288.990	ng/ml
11) Aroclor 1221 (3)	5.364	842624	360.078	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.364	842624	474.404	ng/ml
14) Aroclor 1232 (2)	6.137	4041176	1453.565	ng/ml
15) Aroclor 1232 (3)	6.218	2109168	1437.800	ng/ml
16) Aroclor 1232 (4)	6.374	2032120	1783.555	ng/ml
17) Aroclor 1232 (5)	6.596	2245887	1564.011	ng/ml
18) Aroclor 1232 (6)	6.721	1626225	1357.312	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.724	1871684	704.694	ng/ml
21) Aroclor 1242 (2)	6.137	4041176	779.084	ng/ml
22) Aroclor 1242 (3)	6.218	2109168	747.887	ng/ml
23) Aroclor 1242 (4)	6.374	2032120	887.706	ng/ml
24) Aroclor 1242 (5)	6.596	2245887	752.465	ng/ml
25) Aroclor 1242 (6)	6.721	1626225	648.099	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.137	4041176	1187.431	ng/ml
28) Aroclor 1248 (2)	6.374	2032120	450.061	ng/ml
29) Aroclor 1248 (3)	6.596	2245887	430.341	ng/ml
30) Aroclor 1248 (4)	6.889	432552	74.512	ng/ml
31) Aroclor 1248 (5)	6.922	1502092	243.874	ng/ml
32) Aroclor 1248 (6)	7.407	3351255	980.640	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.922	1502092	250.427	ng/ml
35) Aroclor 1254 (2)	7.032	1659998	227.785	ng/ml
36) Aroclor 1254 (3)	7.407	3351255	298.953	ng/ml
37) Aroclor 1254 (4)	7.568	479285	67.221	ng/ml
38) Aroclor 1254 (5)	7.946	4606832	601.493	ng/ml
39) Aroclor 1254 (6)	8.237	491118	196.929	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.520	4611189	553.711	ng/ml
42) Aroclor 1260 (2)	7.653	5811811	569.652	ng/ml
43) Aroclor 1260 (3)	8.208	4404730	560.031	ng/ml
44) Aroclor 1260 (4)	8.378	10806084	580.396	ng/ml
45) Aroclor 1260 (5)	8.677	6505759	537.845	ng/ml
46) Aroclor 1260 (6)	9.066	2690347	526.013	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 12:41
 Operator : MJB / KAK
 Sample : 0A20022-CCV3
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:17:04 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

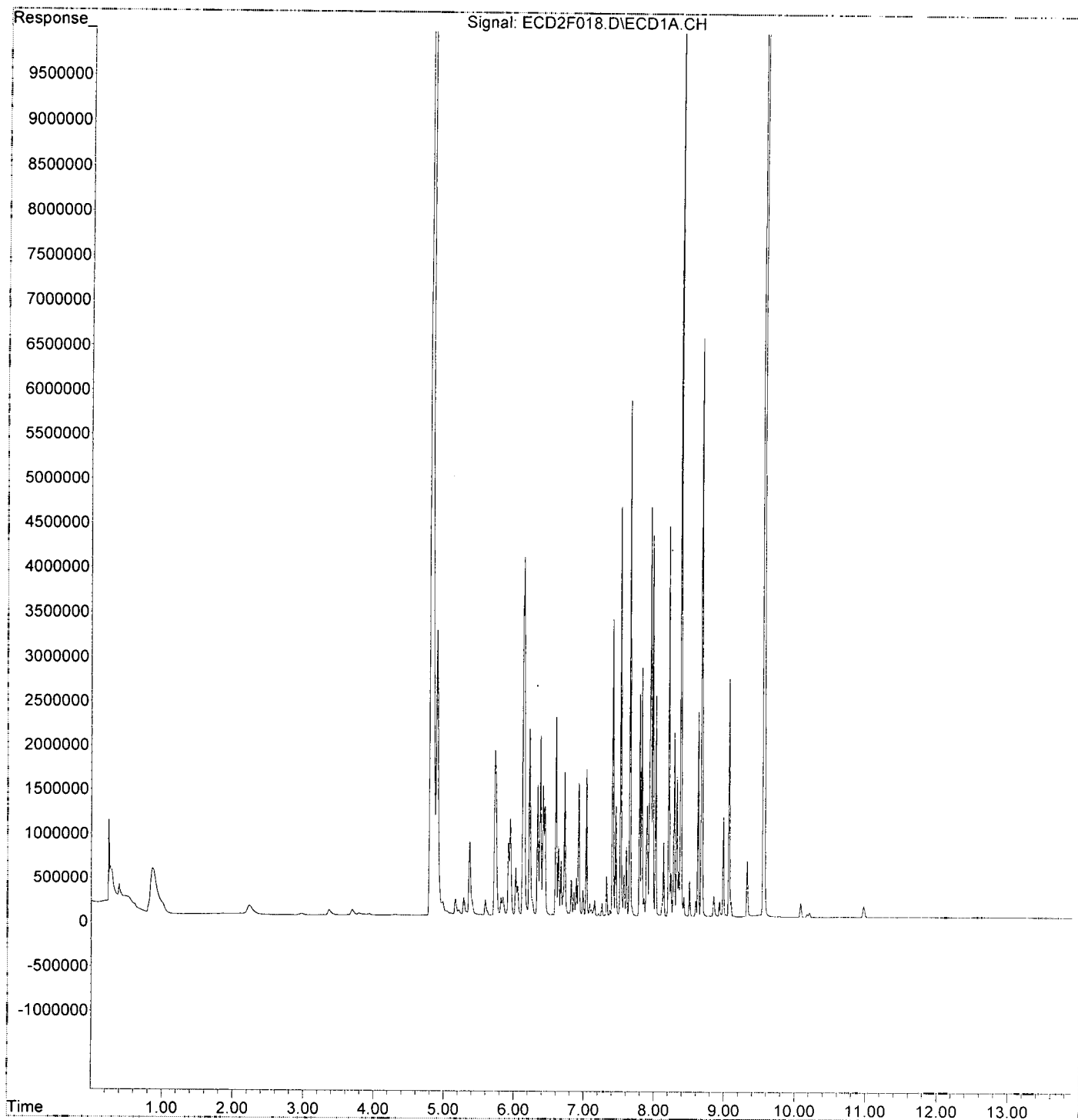
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.653	5811811	722.286 ng/ml
49) Aroclor 1262 (2)	7.976	4290217	382.200 ng/ml
50) Aroclor 1262 (3)	8.208	4404730	453.865 ng/ml
51) Aroclor 1262 (4)	8.378	10806084	523.041 ng/ml
52) Aroclor 1262 (5)	8.677	6505759	497.292 ng/ml
53) Aroclor 1262 (6)	9.066	2690347	402.949 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.208	4404730	862.956 ng/ml
56) Aroclor 1268 (2)	8.625	2306524	94.045 ng/ml
57) Aroclor 1268 (3)	8.677	6505759	318.688 ng/ml
58) Aroclor 1268 (4)	8.851	234025	12.218 ng/ml
59) Aroclor 1268 (5)	9.066	2690347	347.153 ng/ml
60) Aroclor 1268 (6)	9.324	642460	12.288 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 12:41
Operator : MJB / KAK
Sample : 0A20022-CCV3
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 21 09:17:04 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A20022\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 12:58
 Operator : MJB / KAK
 Sample : 0A20022-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:17:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/21/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.814	6806428	102.217 ng/ml
62) S DCBP (S)	9.558	11653671	104.353 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.716	4282	1.146 ng/ml
3) Aroclor 1016 (2)	6.141	6671	0.927 ng/ml
4) Aroclor 1016 (3)	6.233	5739	1.445 ng/ml
5) Aroclor 1016 (4)	6.381	2940	0.822 ng/ml
6) Aroclor 1016 (5)	6.603	3647	0.879 ng/ml
7) Aroclor 1016 (6)	6.724	2734	0.932 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.213f	21904	20.236 ng/ml
10) Aroclor 1221 (2)	5.290	12550	17.490 ng/ml
11) Aroclor 1221 (3)	5.371	12539	5.358 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.371	12539	7.060 ng/ml
14) Aroclor 1232 (2)	6.141	6671	2.400 ng/ml
15) Aroclor 1232 (3)	6.233	5739	3.912 ng/ml
16) Aroclor 1232 (4)	6.381	2940	2.581 ng/ml
17) Aroclor 1232 (5)	6.603	3647	2.540 ng/ml
18) Aroclor 1232 (6)	6.724	2734	2.282 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.716	4282	1.612 ng/ml
21) Aroclor 1242 (2)	6.141	6671	1.286 ng/ml
22) Aroclor 1242 (3)	6.233	5739	2.035 ng/ml
23) Aroclor 1242 (4)	6.381	2940	1.285 ng/ml
24) Aroclor 1242 (5)	6.603	3647	1.222 ng/ml
25) Aroclor 1242 (6)	6.724	2734	1.090 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.141	6671	1.960 ng/ml
28) Aroclor 1248 (2)	6.381	2940	0.651 ng/ml
29) Aroclor 1248 (3)	6.603	3647	0.699 ng/ml
30) Aroclor 1248 (4)	6.892	2053	0.354 ng/ml
31) Aroclor 1248 (5)	6.931	2391	0.388 ng/ml
32) Aroclor 1248 (6)	7.406	3121	0.913 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.931	2391	0.399 ng/ml
35) Aroclor 1254 (2)	7.032	2634	0.361 ng/ml
36) Aroclor 1254 (3)	7.406	3121	0.278 ng/ml
37) Aroclor 1254 (4)	7.571	4126	0.579 ng/ml
38) Aroclor 1254 (5)	7.952	5077	0.663 ng/ml
39) Aroclor 1254 (6)	8.241	949	0.380 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.519	4267	0.512 ng/ml
42) Aroclor 1260 (2)	7.654	6379	0.625 ng/ml
43) Aroclor 1260 (3)	8.209	1418	0.180 ng/ml
44) Aroclor 1260 (4)	8.377	7855	0.422 ng/ml
45) Aroclor 1260 (5)	8.677	3053	0.252 ng/ml
46) Aroclor 1260 (6)	9.076	4275	0.836 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A20022\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 20 Jan 2020 12:58
 Operator : MJB / KAK
 Sample : 0A20022-CCB3
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Jan 21 09:17:26 2020
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

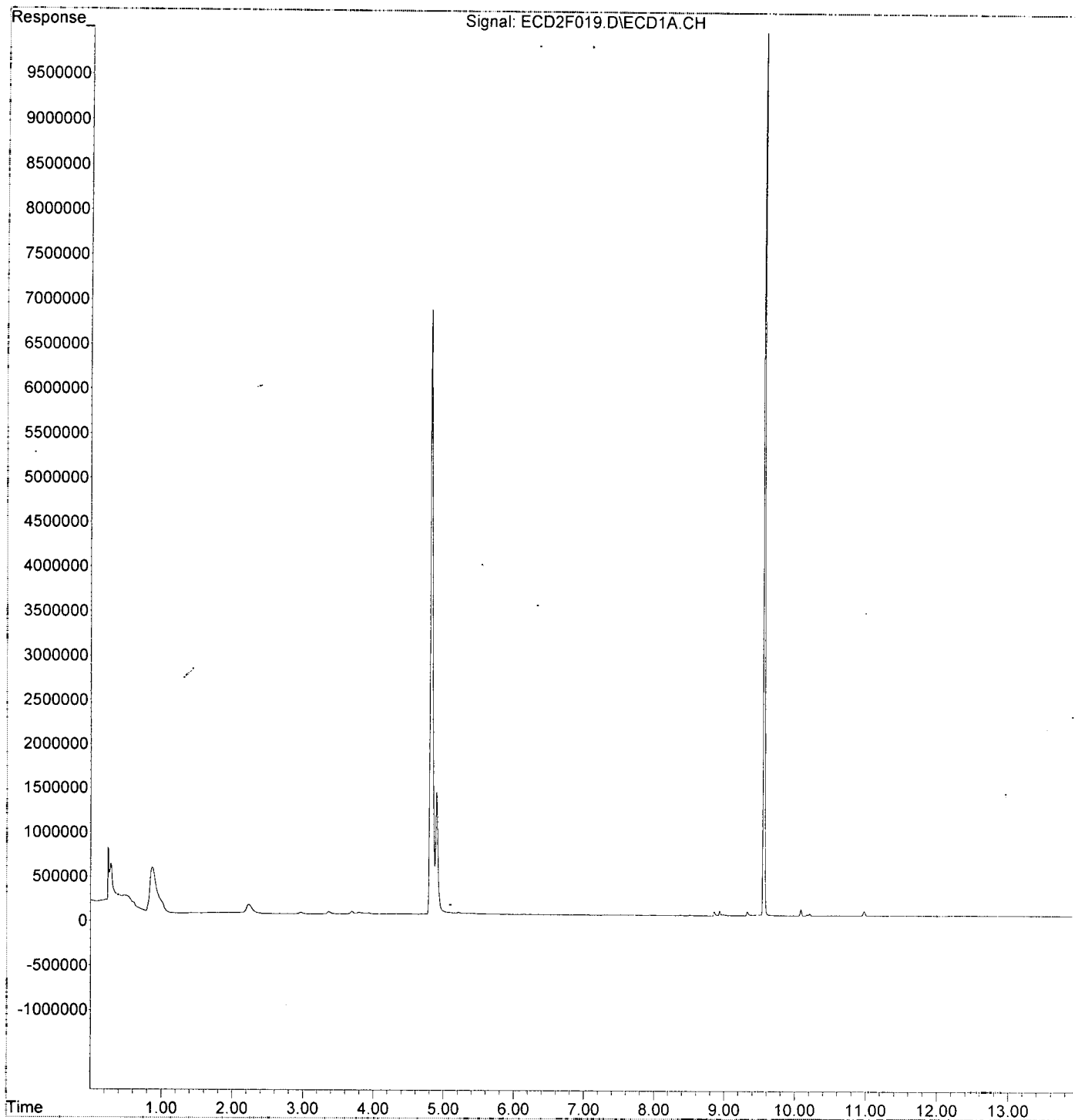
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.654	6379	0.793 ng/ml
49) Aroclor 1262 (2)	7.976	3006	0.268 ng/ml
50) Aroclor 1262 (3)	8.209	1418	0.146 ng/ml
51) Aroclor 1262 (4)	8.377	7855	0.380 ng/ml
52) Aroclor 1262 (5)	8.677	3053	0.233 ng/ml
53) Aroclor 1262 (6)	9.076	4275	0.640 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.209	1418	0.278 ng/ml
56) Aroclor 1268 (2)	8.629	908	0.037 ng/ml
57) Aroclor 1268 (3)	8.677	3053	0.150 ng/ml
58) Aroclor 1268 (4)	8.855	48359	2.525 ng/ml
59) Aroclor 1268 (5)	9.076	4275	0.552 ng/ml
60) Aroclor 1268 (6)	9.326	49215	0.941 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A20022\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 20 Jan 2020 12:58
Operator : MJB / KAK
Sample : 0A20022-CCB3
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 21 09:17:26 2020
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203RT2.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 9J25014 (Cal ID A9J2803) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **9J25014**

Instrument: **DUALECD2R**

Date: **10/25/19 07:18**

Calibration: **A9J2803**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	9J25014-ICB1	Water	QC	QC				A19J194
2	9J25014-CAL1	Water	QC	QC				A19F250
3	9J25014-CAL2	Water	QC	QC				A19F251
4	9J25014-CAL3	Water	QC	QC				A19F252
5	9J25014-CAL4	Water	QC	QC				A19F253
6	9J25014-CAL5	Water	QC	QC				A19F247
7	9J25014-CAL6	Water	QC	QC				A19F248
8	9J25014-CAL7	Water	QC	QC				A19F249
9	9J25014-IBL1	Water	QC	QC				
10	9J25014-ICV1	Water	QC	QC				A19H459
11	9J25014-CAL8	Water	QC	QC				A19H447
12	9J25014-CAL9	Water	QC	QC				A19H448
13	9J25014-CALA	Water	QC	QC				A19H449
14	9J25014-CALB	Water	QC	QC				A19H450
15	9J25014-CALC	Water	QC	QC				A19H451
16	9J25014-CALD	Water	QC	QC				A19H452
17	9J25014-CALE	Water	QC	QC				A19H453
18	9J25014-ICV2	Water	QC	QC				A19H405
19	9J25014-ICV3	Water	QC	QC				A19J367
20	9J25014-ICV4	Water	QC	QC				A19H406
21	9J25014-ICV5	Water	QC	QC				A19E303

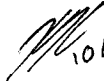
Data Entered By: *[Signature]* 10/28/19

Comments:

Data Reviewed By: *[Signature]* 10/28/19

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_191025.M
 Title : PCB Data Analysis
 Last Update : Fri Oct 25 14:23:20 2019
 Response Via : Initial Calibration

A9J2803

 10/28/19

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\9J25014\ECD2R004.D
2	2	25	0	K:\DATA\9J25014\ECD2R005.D
3	3	50	0	K:\DATA\9J25014\ECD2R006.D
4	4	100	0	K:\DATA\9J25014\ECD2R007.D
5	5	250	0	K:\DATA\9J25014\ECD2R019.D
6	6	500	0	K:\DATA\9J25014\ECD2R009.D
7	7	800	0	K:\DATA\9J25014\ECD2R010.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Oct 25 11:31 2019	Oct 25 11:23 2019	25 Oct 2019 8:19
2	2	Oct 25 11:31 2019	Oct 25 11:25 2019	25 Oct 2019 8:37
3	3	Oct 25 11:31 2019	Oct 25 11:26 2019	25 Oct 2019 8:54
4	4	Oct 25 11:31 2019	Oct 25 11:27 2019	25 Oct 2019 9:12
5	5	Oct 25 14:23 2019	Oct 25 14:21 2019	25 Oct 2019 12:43
6	6	Oct 25 11:32 2019	Oct 25 11:29 2019	25 Oct 2019 9:47
7	7	Oct 25 11:32 2019	Oct 25 11:30 2019	25 Oct 2019 10:05

RECD2_QUANTPCB_191025.M Mon Oct 28 09:51:25 2019

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_191025.M
 Title : PCB Data Analysis
 Last Update : Fri Oct 25 14:23:20 2019
 Response Via : Initial Calibration

Calibration Files

1 =ECD2R004.D 2 =ECD2R005.D 3 =ECD2R006.D
 4 =ECD2R007.D 5 =ECD2R019.D 6 =ECD2R009.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	2.392	2.532	2.582	2.520	2.990	2.823	2.623	E5 7.91
2) Aroclor 1016 ...	1.015	0.987	0.925	0.841	0.809	0.801	0.888	E4 9.84 ✓
3) Aroclor 1016 ...	1.713	1.702	1.692	1.475	1.608	1.560	1.636	E4 5.60 ✓
4) Aroclor 1016 ...	8.502	7.706	7.552	6.698	7.013	6.716	7.366	E3 8.65 ✓
5) Aroclor 1016 ...	8.858	8.177	7.726	6.857	6.888	6.546	7.457	E3 11.17 ✓
6) Aroclor 1016 ...	9.451	9.136	8.479	7.726	7.876	7.260	8.251	E3 9.71 ✓
7) Aroclor 1016 (6)	9.587	9.057	8.471	7.445	7.904	7.304	8.231	E3 10.29 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					2.144		2.144	E3 0.00
10) Aroclor 1221 (2)					2.186		2.186	E3 0.00
11) Aroclor 1221 (3)					7.075		7.075	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					5.725		5.725	E3 0.00
14) Aroclor 1232 (2)					3.476		3.476	E3 0.00
15) Aroclor 1232 (3)					6.474		6.474	E3 0.00
16) Aroclor 1232 (4)					2.388		2.388	E3 0.00
17) Aroclor 1232 (5)					2.732		2.732	E3 0.00
18) Aroclor 1232 (6)					2.966		2.966	E3 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					6.551		6.551	E3 0.00
21) Aroclor 1242 ...					1.183		1.183	E4 0.00
22) Aroclor 1242 ...					5.282		5.282	E3 0.00
23) Aroclor 1242 ...					4.993		4.993	E3 0.00
24) Aroclor 1242 ...					5.814		5.814	E3 0.00
25) Aroclor 1242 (6)					6.195		6.195	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					7.462		7.462	E3 0.00
28) Aroclor 1248 ...					9.336		9.336	E3 0.00
29) Aroclor 1248 ...					8.770		8.770	E3 0.00
30) Aroclor 1248 ...					1.047		1.047	E4 0.00
31) Aroclor 1248 ...					1.293		1.293	E4 0.00
32) Aroclor 1248 (6)					1.179		1.179	E4 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					1.293		1.293	E4 0.00
35) Aroclor 1254 ...					2.025		2.025	E4 0.00
36) Aroclor 1254 ...					2.143		2.143	E4 0.00
37) Aroclor 1254 ...					1.652		1.652	E4 0.00
38) Aroclor 1254 ...					1.569		1.569	E4 0.00
39) Aroclor 1254 (6)					4.890		4.890	E3 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	1.686	1.648	1.567	1.471	1.569	1.494	1.578	E4 4.94 ✓
42) Aroclor 1260 ...	2.067	2.052	1.996	1.771	2.028	1.787	1.957	E4 6.36 ✓
43) Aroclor 1260 (3)	2.092	2.106	1.985	1.912	2.013	1.904	2.013	E4 4.17 ✓
44) Aroclor 1260 (4)	3.093	3.099	3.070	2.863	2.999	3.123	3.095	E4 5.38 ✓
45) Aroclor 1260 (5)	1.806	1.861	1.747	1.646	1.795	1.768	1.790	E4 4.65 ✓
46) Aroclor 1260 (6)	7.431	7.502	6.942	6.147	6.473	6.505	6.899	E3 7.72 ✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					1.513		1.513	E4 0.00
49) Aroclor 1262 (2)					2.115		2.115	E4 0.00
50) Aroclor 1262 (3)					1.747		1.747	E4 0.00
51) Aroclor 1262 (4)					3.581		3.581	E4 0.00
52) Aroclor 1262 (5)					2.196		2.196	E4 0.00
53) Aroclor 1262 (6)					9.701		9.701	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					9.333		9.333	E3 0.00
56) Aroclor 1268 (2)					3.924		3.924	E4 0.00
57) Aroclor 1268 (3)					3.153		3.153	E4 0.00
58) Aroclor 1268 (4)					2.709		2.709	E4 0.00
59) Aroclor 1268 (5)					1.060		1.060	E4 0.00
60) Aroclor 1268 (6)					7.348		7.348	E4 0.00

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_191025.M
 Title : PCB Data Analysis
 Last Update : Fri Oct 25 14:23:20 2019
 Response Via : Initial Calibration

Calibration Files
 1 =ECD2R004.D 2 =ECD2R005.D 3 =ECD2R006.D
 4 =ECD2R007.D 5 =ECD2R019.D 6 =ECD2R009.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	1.319	1.403	1.373	1.354	1.513	1.517	1.468 E5	11.14 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_191025.M
 Title : PCB Data Analysis
 Last Update : Fri Oct 25 14:23:20 2019
 Response Via : Initial Calibration

Handwritten signature
 10/28/19

Total Cpnds : 62

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.721	1.000	A	H	R
2	Aroclor 1016 (1)	6.391	1.000	A	H	R
3	Aroclor 1016 (2)	6.880	1.000	A	H	R
4	Aroclor 1016 (3)	7.007	1.000	A	H	R
5	Aroclor 1016 (4)	7.093	1.000	A	H	R
6	Aroclor 1016 (5)	7.138	1.000	A	H	R
7	Aroclor 1016 (6)	7.263	1.000	A	H	R
8	Aroclor 1016 - AVE	1.821	1.000	A	H	R
9	Aroclor 1221 (1)	5.896	1.000	A	H	R
10	Aroclor 1221 (2)	5.967	1.000	A	H	R
11	Aroclor 1221 (3)	6.055	1.000	A	H	R
12	Aroclor 1221 - AVE	1.821	1.000	A	H	R
13	Aroclor 1232 (1)	6.055	1.000	A	H	R
14	Aroclor 1232 (2)	6.392	1.000	A	H	R
15	Aroclor 1232 (3)	6.880	1.000	A	H	R
16	Aroclor 1232 (4)	7.093	1.000	A	H	R
17	Aroclor 1232 (5)	7.138	1.000	A	H	R
18	Aroclor 1232 (6)	7.264	1.000	A	H	R
19	Aroclor 1232 - AVE	1.821	1.000	A	H	R
20	Aroclor 1242 (1)	6.391	1.000	A	H	R
21	Aroclor 1242 (2)	6.879	1.000	A	H	R
22	Aroclor 1242 (3)	7.007	1.000	A	H	R
23	Aroclor 1242 (4)	7.093	1.000	A	H	R
24	Aroclor 1242 (5)	7.137	1.000	A	H	R
25	Aroclor 1242 (6)	7.263	1.000	A	H	R
26	Aroclor 1242 - AVE	1.821	1.000	A	H	R
27	Aroclor 1248 (1)	6.852	1.000	A	H	R
28	Aroclor 1248 (2)	7.093	1.000	A	H	R
29	Aroclor 1248 (3)	7.138	1.000	A	H	R
30	Aroclor 1248 (4)	7.263	1.000	A	H	R
31	Aroclor 1248 (5)	7.628	1.000	A	H	R
32	Aroclor 1248 (6)	7.785	1.000	A	H	R
33	Aroclor 1248 - AVE	1.821	1.000	A	H	R
34	Aroclor 1254 (1)	7.605	1.000	A	H	R
35	Aroclor 1254 (2)	7.786	1.000	A	H	R
36	Aroclor 1254 (3)	8.098	1.000	A	H	R
37	Aroclor 1254 (4)	8.335	1.000	A	H	R
38	Aroclor 1254 (5)	8.669	1.000	A	H	R
39	Aroclor 1254 (6)	8.900	1.000	A	H	R
40	Aroclor 1254 - AVE	1.821	1.000	A	H	R
41	Aroclor 1260 (1)	8.233	1.000	A	H	R
42	Aroclor 1260 (2)	8.439	1.000	A	H	R
43	Aroclor 1260 (3)	8.671	1.000	A	H	R
44	Aroclor 1260 (4)	9.161	1.000	A	H	R
45	Aroclor 1260 (5)	9.428	1.000	A	H	R
46	Aroclor 1260 (6)	10.012	1.000	A	H	R
47	Aroclor 1260 - AVE	1.821	1.000	A	H	R
48	Aroclor 1262 (1)	8.437	1.000	A	H	R
49	Aroclor 1262 (2)	8.738	1.000	A	H	R
50	Aroclor 1262 (3)	8.916	1.000	A	H	R
51	Aroclor 1262 (4)	9.160	1.000	A	H	R
52	Aroclor 1262 (5)	9.427	1.000	A	H	R
53	Aroclor 1262 (6)	10.013	1.000	A	H	R
54	Aroclor 1262 - AVE	1.821	1.000	A	H	R
55	Aroclor 1268 (1)	8.958	1.000	A	H	R
56	Aroclor 1268 (2)	9.429	1.000	A	H	R

57	Aroclor 1268 (3)	9.497	1.000	A	H	R
58	Aroclor 1268 (4)	9.717	1.000	A	H	R
59	Aroclor 1268 (5)	10.014	1.000	A	H	R
60	Aroclor 1268 (6)	10.377	1.000	A	H	R
61	Aroclor 1268 - AVE	1.820	1.000	A	H	R
62	S DCBP (S)	10.702	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_191025.M Mon Oct 28 09:51:12 2019

Element Calibration Review Sheet

Calibration ID: **A9J2803**

Instrument: **DUALECD2R**

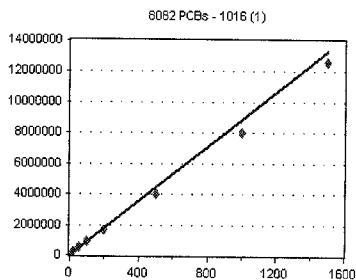
Calibration Date: **10/28/2019**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_19102**

1016 (1)

Curve Fit: **AVERAGE RF**

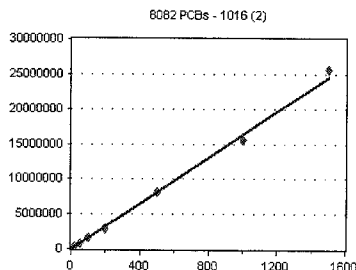


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	203035	10151.750	6.39
9J25014-CAL2	50	493668	9873.360	6.39
9J25014-CAL3	100	925201	9252.010	6.39
9J25014-CAL4	200	1681899	8409.495	6.39
9J25014-CAL5	500	4042674	8085.348	6.39
9J25014-CAL6	1000	8009226	8009.226	6.39
9J25014-CAL7	1500	260073E+07	8400.486	6.39

AVE RF 8883.097 RF RSD 9.84 AVE RT 6.39

1016 (2)

Curve Fit: **AVERAGE RF**

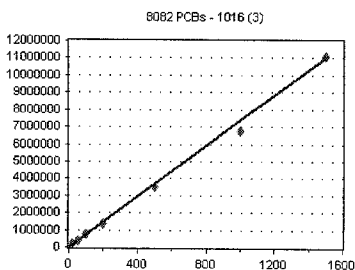


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	342549	17127.450	6.88
9J25014-CAL2	50	850982	17019.640	6.88
9J25014-CAL3	100	1692274	16922.740	6.88
9J25014-CAL4	200	2950427	14752.130	6.88
9J25014-CAL5	500	8040226	16080.450	6.88
9J25014-CAL6	1000	560002E+07	15600.020	6.88
9J25014-CAL7	1500	556068E+07	17040.450	6.88

AVE RF 16363.270 RF RSD 5.60 AVE RT 6.88

1016 (3)

Curve Fit: **AVERAGE RF**

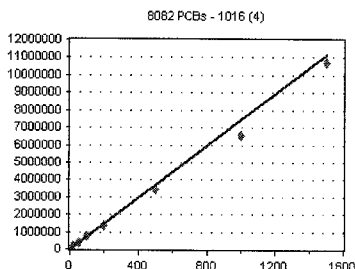


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	170044	8502.200	7.01
9J25014-CAL2	50	385301	7706.020	7.01
9J25014-CAL3	100	755246	7552.460	7.01
9J25014-CAL4	200	1339661	6698.305	7.01
9J25014-CAL5	500	3506618	7013.236	7.01
9J25014-CAL6	1000	6715654	6715.654	7.01
9J25014-CAL7	1500	105948E+07	7372.987	7.01

AVE RF 7365.837 RF RSD 8.65 AVE RT 7.01

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	177152	8857.600	7.09
9J25014-CAL2	50	408863	8177.260	7.09
9J25014-CAL3	100	772578	7725.780	7.09
9J25014-CAL4	200	1371367	6856.835	7.09
9J25014-CAL5	500	3443828	6887.656	7.09
9J25014-CAL6	1000	6545978	6545.978	7.09
9J25014-CAL7	1500	.07251E+07	7150.067	7.09

AVE RF 7457.311 RF RSD 11.17 AVE RT 7.09

Element Calibration Review Sheet

Calibration ID: **A9J2803**

Instrument: **DUALECD2R**

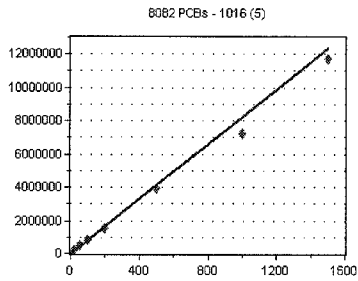
Calibration Date: **10/28/2019**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_19102**

1016 (5)

Curve Fit: **AVERAGE RF**

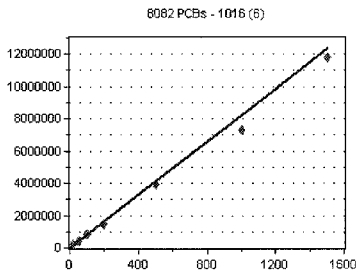


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	189025	9451.250	7.14
9J25014-CAL2	50	456813	9136.260	7.14
9J25014-CAL3	100	847932	8479.320	7.14
9J25014-CAL4	200	1545261	7726.305	7.14
9J25014-CAL5	500	3937867	7875.734	7.14
9J25014-CAL6	1000	7260053	7260.053	7.14
9J25014-CAL7	1500	174281E+07	7828.540	7.14

AVE RF 8251.066 RF RSD 9.71 AVE RT 7.14

1016 (6)

Curve Fit: **AVERAGE RF**

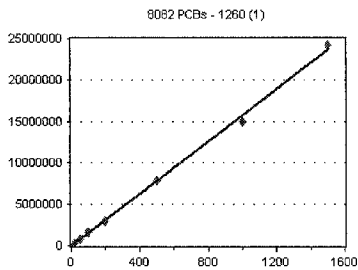


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	191737	9586.850	7.26
9J25014-CAL2	50	452852	9057.040	7.26
9J25014-CAL3	100	847087	8470.870	7.26
9J25014-CAL4	200	1488996	7444.980	7.26
9J25014-CAL5	500	3952172	7904.344	7.26
9J25014-CAL6	1000	7304270	7304.270	7.26
9J25014-CAL7	1500	177387E+07	7849.247	7.26

AVE RF 8231.086 RF RSD 10.29 AVE RT 7.26

1260 (1)

Curve Fit: **AVERAGE RF**

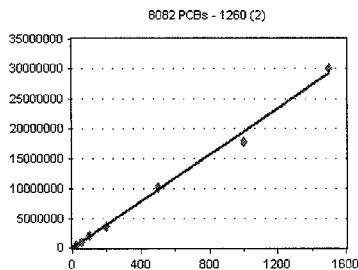


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	337139	16856.950	8.23
9J25014-CAL2	50	824221	16484.420	8.23
9J25014-CAL3	100	1567269	15672.690	8.23
9J25014-CAL4	200	2941552	14707.760	8.23
9J25014-CAL5	500	7847499	15695.000	8.23
9J25014-CAL6	1000	494224E+07	14942.240	8.23
9J25014-CAL7	1500	418156E+07	16121.040	8.23

AVE RF 15782.870 RF RSD 4.94 AVE RT 8.23

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	413345	20667.250	8.44
9J25014-CAL2	50	1025756	20515.120	8.44
9J25014-CAL3	100	1995660	19956.600	8.44
9J25014-CAL4	200	3541866	17709.330	8.44
9J25014-CAL5	500	.01387E+07	20277.400	8.44
9J25014-CAL6	1000	786744E+07	17867.440	8.44
9J25014-CAL7	1500	003444E+07	20022.960	8.44

AVE RF 19573.730 RF RSD 6.36 AVE RT 8.44

Element Calibration Review Sheet

Calibration ID: **A9J2803**

Instrument: **DUALECD2R**

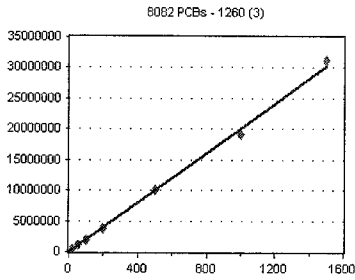
Calibration Date: **10/28/2019**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_19102**

1260 (3)

Curve Fit: **AVERAGE RF**

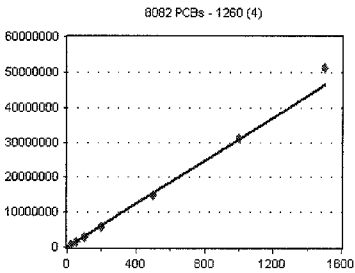


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	418334	20916.700	8.67
9J25014-CAL2	50	1053008	21060.160	8.67
9J25014-CAL3	100	1985447	19854.470	8.67
9J25014-CAL4	200	3824049	19120.240	8.67
9J25014-CAL5	500	006718E+07	20134.360	8.67
9J25014-CAL6	1000	.90367E+07	19036.700	8.67
9J25014-CAL7	1500	1.12038E+07	20802.530	8.67

AVE RF 20132.170 RF RSD 4.17 AVE RT 8.67

1260 (4)

Curve Fit: **AVERAGE RF**

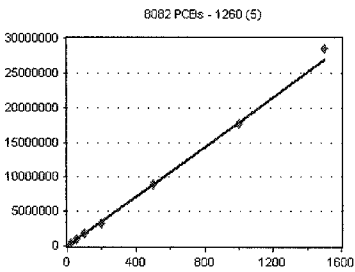


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	618662	30933.100	9.16
9J25014-CAL2	50	1549626	30992.520	9.16
9J25014-CAL3	100	3069980	30699.800	9.16
9J25014-CAL4	200	5726786	28633.930	9.16
9J25014-CAL5	500	499636E+07	29992.720	9.16
9J25014-CAL6	1000	122851E+07	31228.510	9.16
9J25014-CAL7	1500	121403E+07	34142.690	9.16

AVE RF 30946.180 RF RSD 5.38 AVE RT 9.16

1260 (5)

Curve Fit: **AVERAGE RF**

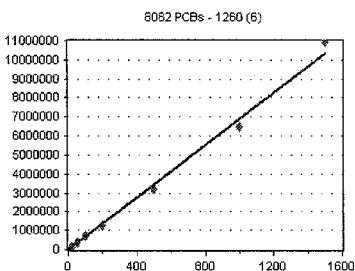


Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	361157	18057.850	9.43
9J25014-CAL2	50	930309	18606.180	9.43
9J25014-CAL3	100	1747257	17472.570	9.43
9J25014-CAL4	200	3291800	16459.000	9.43
9J25014-CAL5	500	8974797	17949.590	9.43
9J25014-CAL6	1000	.76817E+07	17681.700	9.43
9J25014-CAL7	1500	858019E+07	19053.460	9.43

AVE RF 17897.190 RF RSD 4.65 AVE RT 9.43

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
9J25014-CAL1	20	148612	7430.600	10.01
9J25014-CAL2	50	375099	7501.980	10.01
9J25014-CAL3	100	694240	6942.400	10.01
9J25014-CAL4	200	1229444	6147.220	10.01
9J25014-CAL5	500	3236527	6473.054	10.01
9J25014-CAL6	1000	6505242	6505.242	10.01
9J25014-CAL7	1500	093401E+07	7289.340	10.01

AVE RF 6898.548 RF RSD 7.72 AVE RT 10.01

Element Calibration Review Sheet

Calibration ID: **A9J2803**

Instrument: **DUALECD2R**

Calibration Date: **10/28/2019**

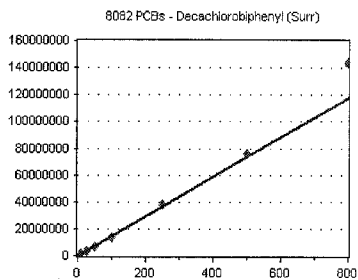
Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_19102**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
9J25014-CAL1	10	1318659	131865.900	10.70
9J25014-CAL2	25	3507689	140307.600	10.70
9J25014-CAL3	50	6866760	137335.200	10.70
9J25014-CAL4	100	354269E+07	135426.900	10.70
9J25014-CAL5	250	782642E+07	151305.700	10.70
9J25014-CAL6	500	585181E+07	151703.600	10.70
9J25014-CAL7	800	436705E+08	179588.100	10.70



<u>AVE RF</u>	146790.400	<u>RF RSD</u>	11.14	<u>AVE RT</u>	10.70
---------------	-------------------	---------------	--------------	---------------	--------------

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9J25014

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) +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>
9J25014-ICB1	Initial Cal Blank	Water	A19J194		10/25/2019 8:01:00AM
9J25014-CAL1	Cal Standard	Water	A19F250	"	10/25/2019 8:19:00AM
9J25014-CAL2	Cal Standard	Water	A19F251	"	10/25/2019 8:37:00AM
9J25014-CAL3	Cal Standard	Water	A19F252	"	10/25/2019 8:54:00AM
9J25014-CAL4	Cal Standard	Water	A19F253	"	10/25/2019 9:12:00AM
9J25014-CAL5	Cal Standard	Water	A19F247	"	10/25/2019 9:29:00AM
9J25014-CAL6	Cal Standard	Water	A19F248	"	10/25/2019 9:47:00AM
9J25014-CAL7	Cal Standard	Water	A19F249	"	10/25/2019 10:05:00AM
9J25014-ICV1	Initial Cal Check	Water	A19H459	"	10/25/2019 10:40:00AM
9J25014-CAL8	Cal Standard	Water	A19H447	"	10/25/2019 10:58:00AM
9J25014-CAL9	Cal Standard	Water	A19H448	"	10/25/2019 11:15:00AM
9J25014-CALA	Cal Standard	Water	A19H449	"	10/25/2019 11:33:00AM
9J25014-CALB	Cal Standard	Water	A19H450	"	10/25/2019 11:50:00AM
9J25014-CALC	Cal Standard	Water	A19H451	"	10/25/2019 12:08:00PM
9J25014-CALD	Cal Standard	Water	A19H452	"	10/25/2019 12:26:00PM
9J25014-CALE	Cal Standard	Water	A19H453	"	10/25/2019 12:43:00PM
9J25014-ICV2	Initial Cal Check	Water	A19H405	"	10/25/2019 1:02:00PM
9J25014-ICV3	Initial Cal Check	Water	A19J367	"	10/25/2019 1:20:00PM
9J25014-ICV4	Initial Cal Check	Water	A19H406	"	10/25/2019 1:37:00PM
9J25014-ICV5	Initial Cal Check	Water	A19E303	"	10/25/2019 1:55:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A9J2803**

Instrument: **DUALECD2R**

1311/8082 TCLP PCBs

Sequence: **9J25014**

Matrix: **Water**

9J25014-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	20	0	
Aroclor 1260	0.0000	0.00	20	0	
Aroclor 1016	0.0000	0.00	20	0	
Aroclor 1260	0.0000	0.00	20	0	
9J25014-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	0.0000	0.00	50	0	
Aroclor 1260	0.0000	0.00	50	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9J25014

Aroclor 1016	0.0000	0.00	50	0	
Aroclor 1260	0.0000	0.00	50	0	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-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	
9J25014-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9J25014

9J25014-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	
9J25014-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: **A9J2803**

Instrument: **DUALECD2R**

8082 PCBs

Sequence: **9J25014**

Matrix: **Water**

9J25014-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\9J25014\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:01
 Operator : MJB / KAK
 Sample : 9J25014-ICB1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:50:32 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 10/28/19
 Chem

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.718	27556359	105.044 ng/ml
62) S DCBP (S)	10.700	14610541	99.533 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.392	13227	1.489 ng/ml
3) Aroclor 1016 (2)	6.879	17995	1.100 ng/ml
4) Aroclor 1016 (3)	6.994	19572	2.657 ng/ml
5) Aroclor 1016 (4)	7.092	19389	2.600 ng/ml
6) Aroclor 1016 (5)	7.144	20766	2.517 ng/ml
7) Aroclor 1016 (6)	7.261	20665	2.511 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.887	12214	5.697 ng/ml
10) Aroclor 1221 (2)	5.962	11334	5.185 ng/ml
11) Aroclor 1221 (3)	6.038	55121	7.791 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.038	55121	9.629 ng/ml
14) Aroclor 1232 (2)	6.392	13227	3.805 ng/ml
15) Aroclor 1232 (3)	6.879	17995	2.780 ng/ml
16) Aroclor 1232 (4)	7.092	19389	8.121 ng/ml
17) Aroclor 1232 (5)	7.144	20766	7.600 ng/ml
18) Aroclor 1232 (6)	7.261	20665	6.967 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.392	13227	2.019 ng/ml
21) Aroclor 1242 (2)	6.879	17995	1.521 ng/ml
22) Aroclor 1242 (3)	6.994	19572	3.705 ng/ml
23) Aroclor 1242 (4)	7.092	19389	3.884 ng/ml
24) Aroclor 1242 (5)	7.144	20766	3.572 ng/ml
25) Aroclor 1242 (6)	7.261	20665	3.336 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.857	18207	2.440 ng/ml
28) Aroclor 1248 (2)	7.092	19389	2.077 ng/ml
29) Aroclor 1248 (3)	7.144	20766	2.368 ng/ml
30) Aroclor 1248 (4)	7.261	20665	1.974 ng/ml
31) Aroclor 1248 (5)	7.629	26385	2.040 ng/ml
32) Aroclor 1248 (6)	7.754	127372	10.802 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.619	25116	1.943 ng/ml
35) Aroclor 1254 (2)	7.754	127372	6.291 ng/ml
36) Aroclor 1254 (3)	8.105	13206	0.616 ng/ml
37) Aroclor 1254 (4)	8.350	343131	20.775 ng/ml
38) Aroclor 1254 (5)	8.673	9926	0.632 ng/ml
39) Aroclor 1254 (6)	8.902	8040	1.644 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.226	15241	0.966 ng/ml
42) Aroclor 1260 (2)	8.434	21295	1.088 ng/ml
43) Aroclor 1260 (3)	8.673	9926	0.493 ng/ml
44) Aroclor 1260 (4)	9.156	3952	0.128 ng/ml
45) Aroclor 1260 (5)	9.427	3726	0.208 ng/ml
46) Aroclor 1260 (6)	10.013	4782	0.693 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R003.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:01
 Operator : MJB / KAK
 Sample : 9J25014-ICB1
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:50:32 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

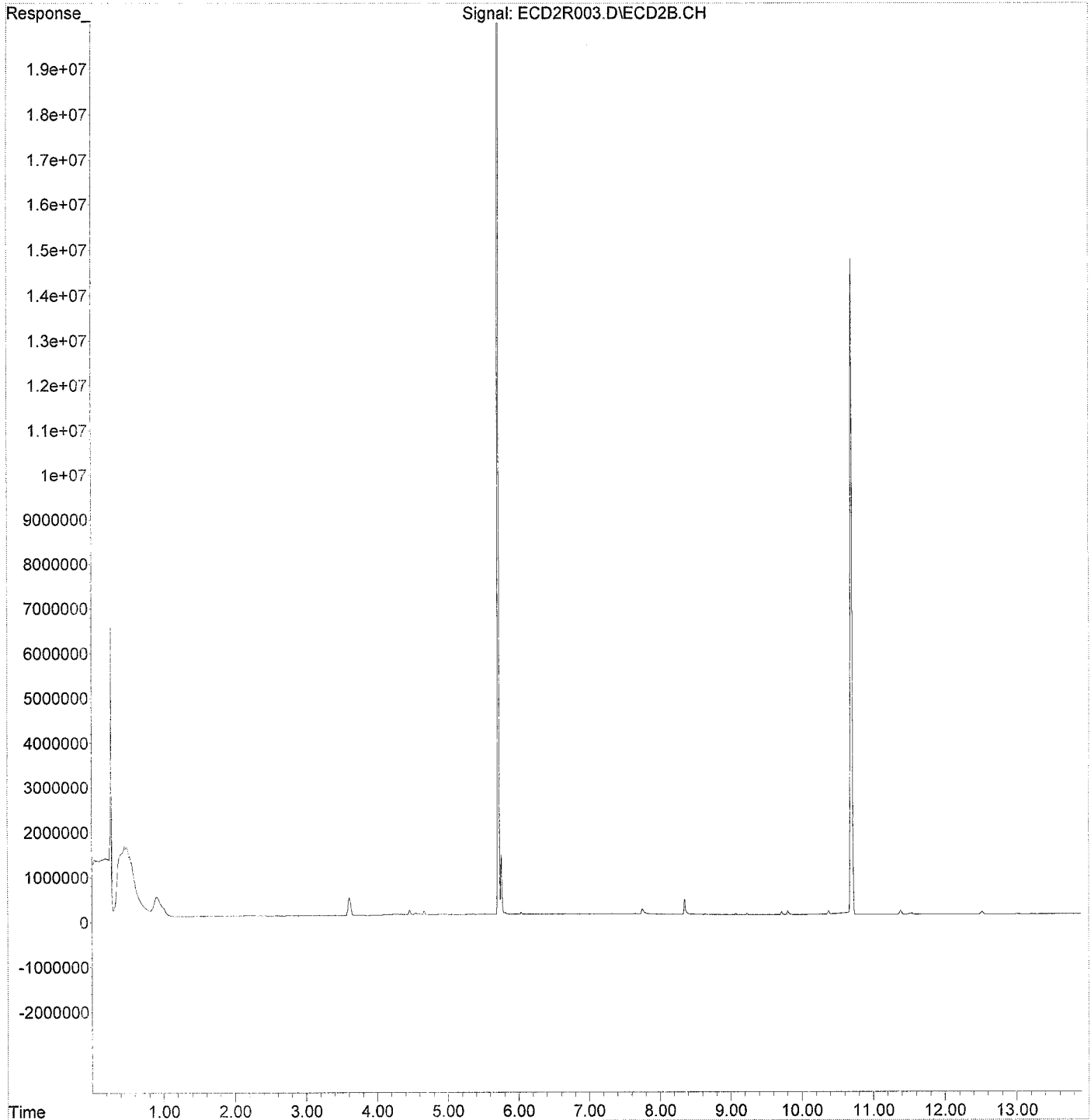
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.434	21295	1.407 ng/ml
49) Aroclor 1262 (2)	8.737	8663	0.410 ng/ml
50) Aroclor 1262 (3)	8.915	8112	0.464 ng/ml
51) Aroclor 1262 (4)	9.156	3952	0.110 ng/ml
52) Aroclor 1262 (5)	9.427	3726	0.170 ng/ml
53) Aroclor 1262 (6)	10.013	4782	0.493 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.958	8304	0.890 ng/ml
56) Aroclor 1268 (2)	9.427	3726	0.095 ng/ml
57) Aroclor 1268 (3)	9.487	3192	0.101 ng/ml
58) Aroclor 1268 (4)	9.717	72970	2.694 ng/ml
59) Aroclor 1268 (5)	10.013	4782	0.451 ng/ml
60) Aroclor 1268 (6)	10.376	83846	1.141 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\
Data File : ECD2R003.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:01
Operator : MJB / KAK
Sample : 9J25014-ICB1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:50:32 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R031.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:22
 Operator : MJB / KAK
 Sample : 9J25014-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:50:50 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 10/28/19
 No Carry-over

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.690	11770	0.045 ng/ml
62) S DCBP (S)	10.700	5513	0.038 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	18426	2.074 ng/ml
3) Aroclor 1016 (2)	6.888	27114	1.657 ng/ml
4) Aroclor 1016 (3)	7.013	24169	3.281 ng/ml
5) Aroclor 1016 (4)	7.101	25823	3.463 ng/ml
6) Aroclor 1016 (5)	7.136	25296	3.066 ng/ml
7) Aroclor 1016 (6)	7.269	26819	3.258 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.891	15191	7.086 ng/ml
10) Aroclor 1221 (2)	5.969	15416	7.052 ng/ml
11) Aroclor 1221 (3)	6.045	22057	3.118 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.045	22057	3.853 ng/ml
14) Aroclor 1232 (2)	6.390	18426	5.300 ng/ml
15) Aroclor 1232 (3)	6.888	27114	4.188 ng/ml
16) Aroclor 1232 (4)	7.101	25823	10.815 ng/ml
17) Aroclor 1232 (5)	7.136	25296	9.258 ng/ml
18) Aroclor 1232 (6)	7.269	26819	9.042 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.390	18426	2.812 ng/ml
21) Aroclor 1242 (2)	6.888	27114	2.292 ng/ml
22) Aroclor 1242 (3)	7.013	24169	4.575 ng/ml
23) Aroclor 1242 (4)	7.101	25823	5.172 ng/ml
24) Aroclor 1242 (5)	7.136	25296	4.351 ng/ml
25) Aroclor 1242 (6)	7.269	26819	4.329 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.862	26172	3.507 ng/ml
28) Aroclor 1248 (2)	7.101	25823	2.766 ng/ml
29) Aroclor 1248 (3)	7.136	25296	2.885 ng/ml
30) Aroclor 1248 (4)	7.269	26819	2.561 ng/ml
31) Aroclor 1248 (5)	7.622	27346	2.114 ng/ml
32) Aroclor 1248 (6)	7.758	122347	10.376 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.622	27346	2.116 ng/ml
35) Aroclor 1254 (2)	7.758	122347	6.043 ng/ml
36) Aroclor 1254 (3)	8.097	18838	0.879 ng/ml
37) Aroclor 1254 (4)	8.351	340662	20.625 ng/ml
38) Aroclor 1254 (5)	8.670	13643	0.869 ng/ml
39) Aroclor 1254 (6)	8.909	9489	1.940 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.235	19682	1.247 ng/ml
42) Aroclor 1260 (2)	8.467	21567	1.102 ng/ml
43) Aroclor 1260 (3)	8.670	13643	0.678 ng/ml
44) Aroclor 1260 (4)	9.161	6575	0.212 ng/ml
45) Aroclor 1260 (5)	9.428	3767	0.211 ng/ml
46) Aroclor 1260 (6)	10.008	2564	0.372 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\9J25014\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:22
 Operator : MJB / KAK
 Sample : 9J25014-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:50:50 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.467	21567	1.425 ng/ml
49) Aroclor 1262 (2)	8.734	11593	0.548 ng/ml
50) Aroclor 1262 (3)	8.915	9304	0.533 ng/ml
51) Aroclor 1262 (4)	9.161	6575	0.184 ng/ml
52) Aroclor 1262 (5)	9.428	3767	0.172 ng/ml
53) Aroclor 1262 (6)	10.008	2564	0.264 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.961	8275	0.887 ng/ml
56) Aroclor 1268 (2)	9.428	3767	0.096 ng/ml
57) Aroclor 1268 (3)	9.496	3710	0.118 ng/ml
58) Aroclor 1268 (4)	9.720	3199	0.118 ng/ml
59) Aroclor 1268 (5)	10.008	2564	0.242 ng/ml
60) Aroclor 1268 (6)	10.374	993	0.014 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

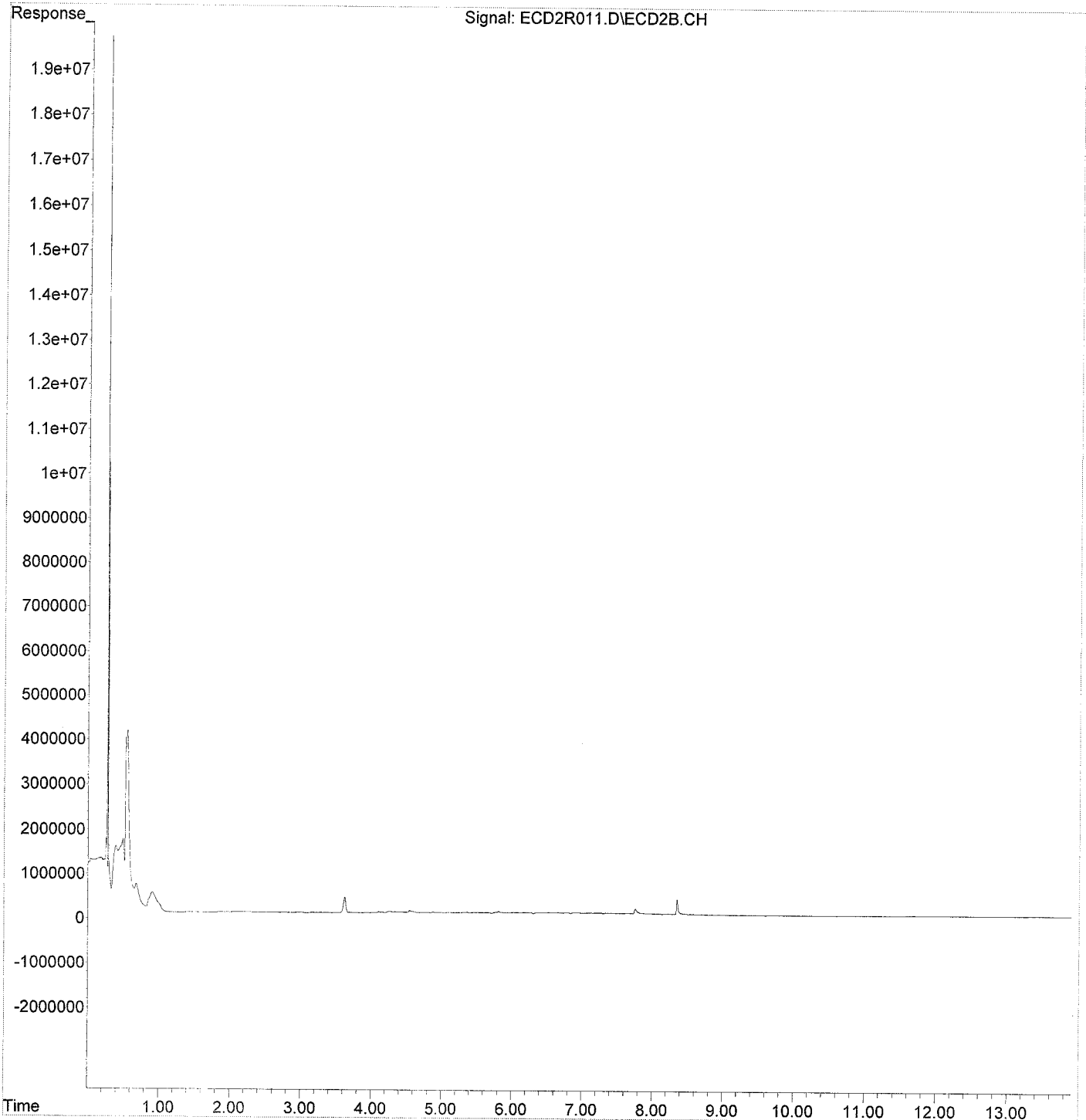
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 10:22
Operator : MJB / KAK
Sample : 9J25014-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:50:50 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:40
 Operator : MJB / KAK
 Sample : 9J25014-ICV1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:07 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 10/28/19
 1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.721	53368717	203.440	ng/ml
62) S DCBP (S)	10.701	28147899	191.756	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.391	4111835	462.883	ng/ml
3) Aroclor 1016 (2)	6.880	7654677	467.796	ng/ml
4) Aroclor 1016 (3)	7.007	3520521	477.953	ng/ml
5) Aroclor 1016 (4)	7.093	3338734	447.713	ng/ml
6) Aroclor 1016 (5)	7.138	3775980	457.636	ng/ml
7) Aroclor 1016 (6)	7.263	3722448	452.243	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.894	272584	127.147	ng/ml
10) Aroclor 1221 (2)	5.968	535733	245.075	ng/ml
11) Aroclor 1221 (3)	6.056	2552172	360.742	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	6.056	2552172	445.820	ng/ml
14) Aroclor 1232 (2)	6.391	4111835	1182.839	ng/ml
15) Aroclor 1232 (3)	6.880	7654677	1182.326	ng/ml
16) Aroclor 1232 (4)	7.093	3338734	1398.364	ng/ml
17) Aroclor 1232 (5)	7.138	3775980	1381.953	ng/ml
18) Aroclor 1232 (6)	7.263	3722448	1255.031	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.391	4111835	627.621	ng/ml
21) Aroclor 1242 (2)	6.880	7654677	646.961	ng/ml
22) Aroclor 1242 (3)	7.007	3520521	666.456	ng/ml
23) Aroclor 1242 (4)	7.093	3338734	668.719	ng/ml
24) Aroclor 1242 (5)	7.138	3775980	649.456	ng/ml
25) Aroclor 1242 (6)	7.263	3722448	600.871	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.853	6409798	858.949	ng/ml
28) Aroclor 1248 (2)	7.093	3338734	357.613	ng/ml
29) Aroclor 1248 (3)	7.138	3775980	430.577	ng/ml
30) Aroclor 1248 (4)	7.263	3722448	355.516	ng/ml
31) Aroclor 1248 (5)	7.628	731865	56.589	ng/ml
32) Aroclor 1248 (6)	7.786	3551286	301.184	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.606	3041600	235.326	ng/ml
35) Aroclor 1254 (2)	7.786	3551286	175.393	ng/ml
36) Aroclor 1254 (3)	8.097	1902055	88.766	ng/ml
37) Aroclor 1254 (4)	8.336	1213528	73.473	ng/ml
38) Aroclor 1254 (5)	8.670	11136132	709.617	ng/ml
39) Aroclor 1254 (6)	8.889	1244649	254.522	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.233	8464869	536.333	ng/ml
42) Aroclor 1260 (2)	8.439	10443443	533.544	ng/ml
43) Aroclor 1260 (3)	8.670	11136132	553.151	ng/ml
44) Aroclor 1260 (4)	9.161	14517371	469.117	ng/ml
45) Aroclor 1260 (5)	9.429	8301461	463.841	ng/ml
46) Aroclor 1260 (6)	10.014	2589505	375.370	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

461.037

488-58559
[Handwritten signature]
 10/28/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:40
 Operator : MJB / KAK
 Sample : 9J25014-ICV1
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:07 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

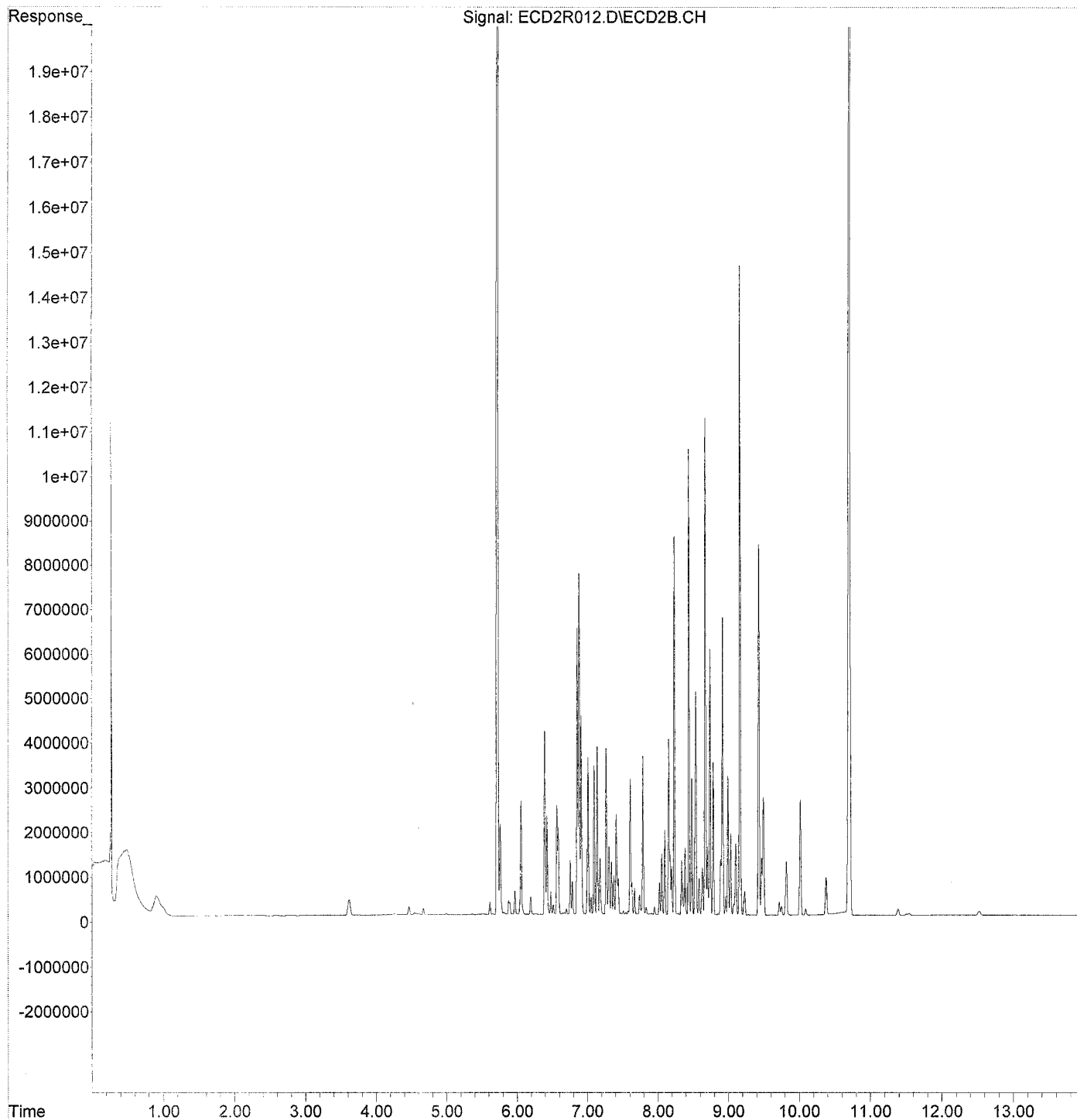
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.439	10443443	690.087 ng/ml
49) Aroclor 1262 (2)	8.739	5949076	281.224 ng/ml
50) Aroclor 1262 (3)	8.917	6667821	381.710 ng/ml
51) Aroclor 1262 (4)	9.161	14517371	405.407 ng/ml
52) Aroclor 1262 (5)	9.429	8301461	377.943 ng/ml
53) Aroclor 1262 (6)	10.014	2589505	266.945 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.959	413199	44.271 ng/ml
56) Aroclor 1268 (2)	9.429	8301461	211.577 ng/ml
57) Aroclor 1268 (3)	9.494	2645151	83.901 ng/ml
58) Aroclor 1268 (4)	9.719	297187	10.972 ng/ml
59) Aroclor 1268 (5)	10.014	2589505	244.381 ng/ml
60) Aroclor 1268 (6)	10.377	846845	11.525 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 10:40
Operator : MJB / KAK
Sample : 9J25014-ICV1
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:51:07 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R029.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:02
 Operator : MJB / KAK
 Sample : 9J25014-ICV2
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:24 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

10/28/19

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.718	11274680	42.979 ng/ml
62) S DCBP (S)	10.701	12601635	85.848 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	744966	83.863 ng/ml
3) Aroclor 1016 (2)	6.879	1257236	76.833 ng/ml
4) Aroclor 1016 (3)	7.006	573835	77.905 ng/ml
5) Aroclor 1016 (4)	7.092	3963620	531.508 ng/ml
6) Aroclor 1016 (5)	7.138	1549136	187.750 ng/ml
7) Aroclor 1016 (6)	7.262	2535533	308.043 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.894	2123768	990.631 ng/ml
10) Aroclor 1221 (2)	5.967	2145063	981.273 ng/ml
11) Aroclor 1221 (3)	6.054	7434611	1050.859 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.054	7434611	1298.697 ng/ml
14) Aroclor 1232 (2)	6.390	744966	214.302 ng/ml
15) Aroclor 1232 (3)	6.879	1257236	194.190 ng/ml
16) Aroclor 1232 (4)	7.092	3963620	1660.085 ng/ml
17) Aroclor 1232 (5)	7.138	1549136	566.961 ng/ml
18) Aroclor 1232 (6)	7.262	2535533	854.860 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.390	744966	113.710 ng/ml
21) Aroclor 1242 (2)	6.879	1257236	106.260 ng/ml
22) Aroclor 1242 (3)	7.006	573835	108.631 ng/ml
23) Aroclor 1242 (4)	7.092	3963620	793.878 ng/ml
24) Aroclor 1242 (5)	7.138	1549136	266.446 ng/ml
25) Aroclor 1242 (6)	7.262	2535533	409.281 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.852	1072449	143.714 ng/ml
28) Aroclor 1248 (2)	7.092	3963620	424.545 ng/ml
29) Aroclor 1248 (3)	7.138	1549136	176.649 ng/ml
30) Aroclor 1248 (4)	7.262	2535533	242.159 ng/ml
31) Aroclor 1248 (5)	7.628	3867982	299.078 ng/ml
32) Aroclor 1248 (6)	7.786	10669244	904.857 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.606	6671559	516.173 ng/ml
35) Aroclor 1254 (2)	7.786	10669244	526.939 ng/ml
36) Aroclor 1254 (3)	8.096	11088952	517.506 ng/ml
37) Aroclor 1254 (4)	8.335	8021191	485.645 ng/ml
38) Aroclor 1254 (5)	8.669	8583301	546.946 ng/ml
39) Aroclor 1254 (6)	8.900	2472718	505.653 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.232	3931473	249.097 ng/ml
42) Aroclor 1260 (2)	8.438	4714974	240.883 ng/ml
43) Aroclor 1260 (3)	8.669	8583301	426.348 ng/ml
44) Aroclor 1260 (4)	9.160	1356478	43.833 ng/ml
45) Aroclor 1260 (5)	9.427	1090849	60.951 ng/ml
46) Aroclor 1260 (6)	10.012	77810	11.279 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

1007.588

516.477

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:02
 Operator : MJB / KAK
 Sample : 9J25014-ICV2
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:24 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

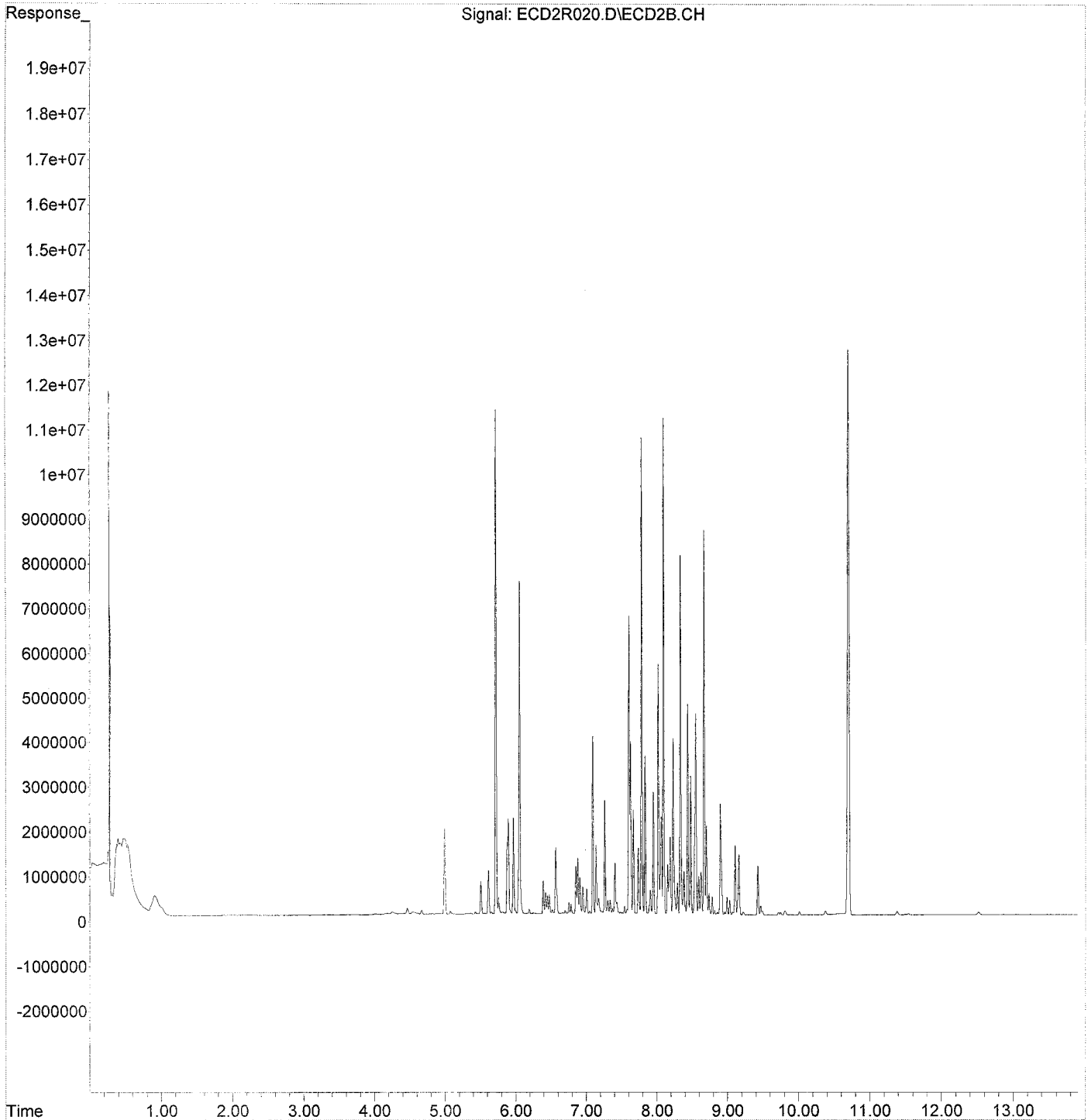
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.438	4714974	311.558	ng/ml
49) Aroclor 1262 (2)	8.738	489237	23.127	ng/ml
50) Aroclor 1262 (3)	8.900	2472718	141.555	ng/ml
51) Aroclor 1262 (4)	9.160	1356478	37.881	ng/ml
52) Aroclor 1262 (5)	9.427	1090849	49.663	ng/ml
53) Aroclor 1262 (6)	10.012	77810	8.021	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.959	61405	6.579	ng/ml
56) Aroclor 1268 (2)	9.427	1090849	27.802	ng/ml
57) Aroclor 1268 (3)	9.493	87638	2.780	ng/ml
58) Aroclor 1268 (4)	9.718	61790	2.281	ng/ml
59) Aroclor 1268 (5)	10.012	77810	7.343	ng/ml
60) Aroclor 1268 (6)	10.376	84737	1.153	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 13:02
Operator : MJB / KAK
Sample : 9J25014-ICV2
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:51:24 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:20
 Operator : MJB / KAK
 Sample : 9J25014-ICV3
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:42 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 10/28/19
 1232, 1262

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.718	11042209	42.093 ng/ml
62) S DCBP (S)	10.699	13066737	89.016 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	1865512	210.007 ng/ml
3) Aroclor 1016 (2)	6.879	3384841	206.856 ng/ml
4) Aroclor 1016 (3)	7.006	1589246	215.759 ng/ml
5) Aroclor 1016 (4)	7.092	1394711	187.026 ng/ml
6) Aroclor 1016 (5)	7.137	1532904	185.783 ng/ml
7) Aroclor 1016 (6)	7.262	1611313	195.759 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.894	676475	315.541 ng/ml
10) Aroclor 1221 (2)	5.967	788459	360.686 ng/ml
11) Aroclor 1221 (3)	6.054	2947524	416.623 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.054	2947524	514.881 ng/ml
14) Aroclor 1232 (2)	6.390	1865512	536.646 ng/ml
15) Aroclor 1232 (3)	6.879	3384841	522.816 ng/ml
16) Aroclor 1232 (4)	7.092	1394711	584.147 ng/ml
17) Aroclor 1232 (5)	7.137	1532904	561.020 ng/ml
18) Aroclor 1232 (6)	7.262	1611313	543.258 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.390	1865512	284.747 ng/ml
21) Aroclor 1242 (2)	6.879	3384841	286.082 ng/ml
22) Aroclor 1242 (3)	7.006	1589246	300.854 ng/ml
23) Aroclor 1242 (4)	7.092	1394711	279.348 ng/ml
24) Aroclor 1242 (5)	7.137	1532904	263.654 ng/ml
25) Aroclor 1242 (6)	7.262	1611313	260.095 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.851	2839214	380.471 ng/ml
28) Aroclor 1248 (2)	7.092	1394711	149.388 ng/ml
29) Aroclor 1248 (3)	7.137	1532904	174.798 ng/ml
30) Aroclor 1248 (4)	7.262	1611313	153.890 ng/ml
31) Aroclor 1248 (5)	7.627	1901290	147.011 ng/ml
32) Aroclor 1248 (6)	7.785	2598036	220.339 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.607	1895634	146.663 ng/ml
35) Aroclor 1254 (2)	7.785	2598036	128.313 ng/ml
36) Aroclor 1254 (3)	8.096	1017618	47.491 ng/ml
37) Aroclor 1254 (4)	8.336	803872	48.671 ng/ml
38) Aroclor 1254 (5)	8.671	6101946	388.828 ng/ml
39) Aroclor 1254 (6)	8.886	1873958	383.211 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.232	6342349	401.850 ng/ml
42) Aroclor 1260 (2)	8.438	7675275	392.121 ng/ml
43) Aroclor 1260 (3)	8.671	6101946	303.094 ng/ml
44) Aroclor 1260 (4)	9.160	17971064	580.720 ng/ml
45) Aroclor 1260 (5)	9.428	9961323	556.586 ng/ml
46) Aroclor 1260 (6)	10.012	4587639	665.015 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten: 543.795

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:20
 Operator : MJB / KAK
 Sample : 9J25014-ICV3
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:42 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	8.438	7675275	507.171	ng/ml
49)	Aroclor 1262 (2)	8.738	10522774	497.430	ng/ml
50)	Aroclor 1262 (3)	8.916	8447542	483.593	ng/ml
51)	Aroclor 1262 (4)	9.160	17971064	501.854	ng/ml
52)	Aroclor 1262 (5)	9.428	9961323	453.513	ng/ml
53)	Aroclor 1262 (6)	10.012	4587639	472.927	ng/ml
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55)	Aroclor 1268 (1)	8.957	1115515	119.519	ng/ml
56)	Aroclor 1268 (2)	9.428	9961323	253.881	ng/ml
57)	Aroclor 1268 (3)	9.494	5460035	173.185	ng/ml
58)	Aroclor 1268 (4)	9.716	460031	16.985	ng/ml
59)	Aroclor 1268 (5)	10.012	4587639	432.952	ng/ml
60)	Aroclor 1268 (6)	10.374	1476627	20.095	ng/ml
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

486.081

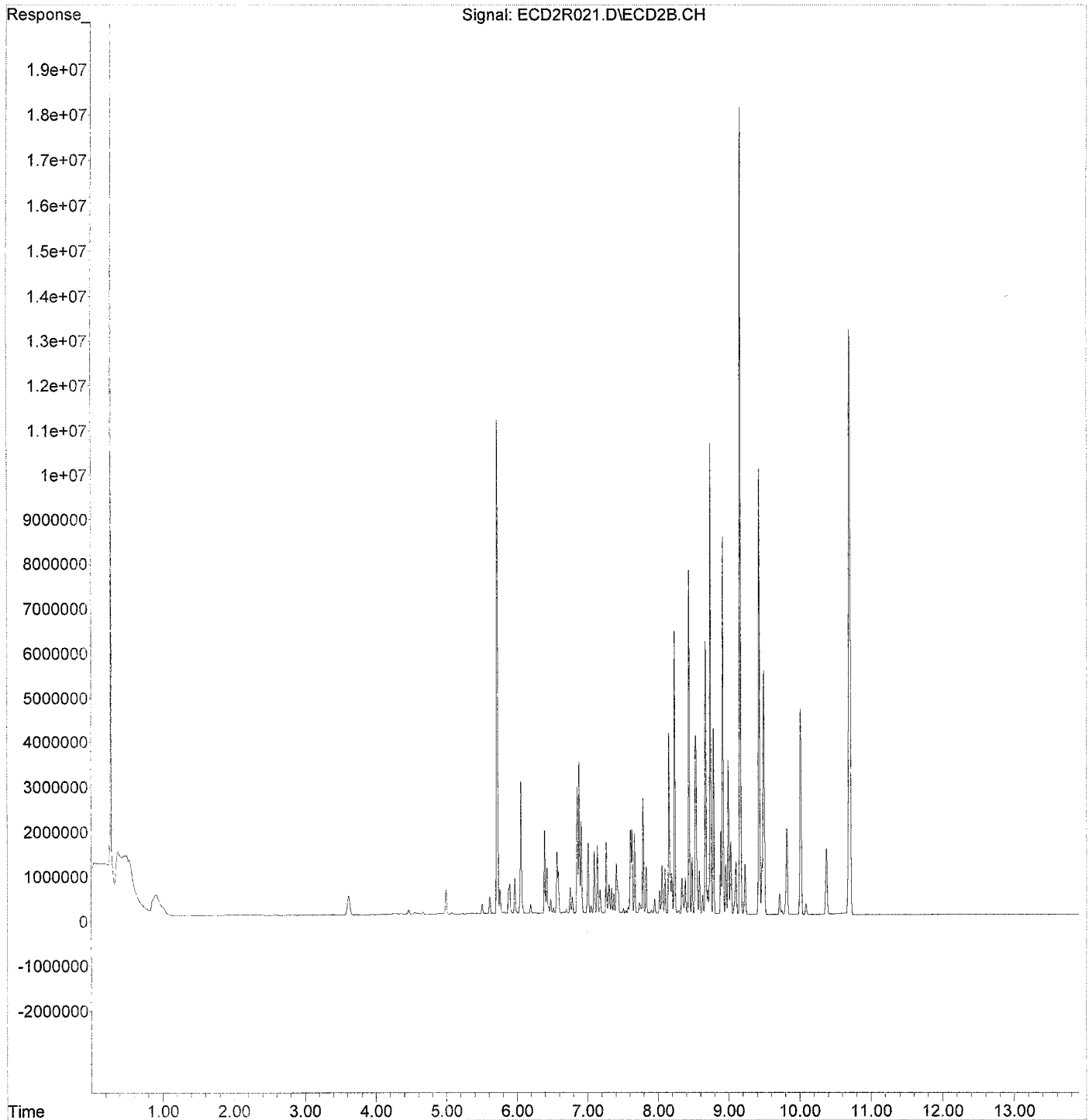
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 13:20
Operator : MJB / KAK
Sample : 9J25014-ICV3
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:51:42 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : WCD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:37
 Operator : MJB / KAK
 Sample : 9J25014-ICV4
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:58 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

10/28/19
1242, 1268

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.720	11774556	44.884 ng/ml
62) S DCBP (S)	10.700	5990375	40.809 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.391	3530071	397.392 ng/ml
3) Aroclor 1016 (2)	6.880	6752199	412.644 ng/ml
4) Aroclor 1016 (3)	7.006	2900921	393.835 ng/ml
5) Aroclor 1016 (4)	7.093	2633333	353.121 ng/ml
6) Aroclor 1016 (5)	7.138	3153322	382.172 ng/ml
7) Aroclor 1016 (6)	7.263	3211296	390.142 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.895	239368	111.653 ng/ml
10) Aroclor 1221 (2)	5.968	488990	223.692 ng/ml
11) Aroclor 1221 (3)	6.056	2395944	338.659 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.056	2395944	418.530 ng/ml
14) Aroclor 1232 (2)	6.391	3530071	1015.484 ng/ml
15) Aroclor 1232 (3)	6.880	6752199	1042.931 ng/ml
16) Aroclor 1232 (4)	7.093	2633333	1102.920 ng/ml
17) Aroclor 1232 (5)	7.138	3153322	1154.070 ng/ml
18) Aroclor 1232 (6)	7.263	3211296	1082.695 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.391	3530071	538.822 ng/ml
21) Aroclor 1242 (2)	6.880	6752199	570.685 ng/ml
22) Aroclor 1242 (3)	7.006	2900921	549.162 ng/ml
23) Aroclor 1242 (4)	7.093	2633333	527.433 ng/ml
24) Aroclor 1242 (5)	7.138	3153322	542.361 ng/ml
25) Aroclor 1242 (6)	7.263	3211296	518.362 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.853	5238752	702.022 ng/ml
28) Aroclor 1248 (2)	7.093	2633333	282.058 ng/ml
29) Aroclor 1248 (3)	7.138	3153322	359.575 ng/ml
30) Aroclor 1248 (4)	7.263	3211296	306.698 ng/ml
31) Aroclor 1248 (5)	7.628	3630750	280.735 ng/ml
32) Aroclor 1248 (6)	7.784	2898339	245.808 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.610	2531991	195.898 ng/ml
35) Aroclor 1254 (2)	7.784	2898339	143.145 ng/ml
36) Aroclor 1254 (3)	8.097	1092695	50.995 ng/ml
37) Aroclor 1254 (4)	8.335	807742	48.905 ng/ml
38) Aroclor 1254 (5)	8.671	225525	14.371 ng/ml
39) Aroclor 1254 (6)	8.886	189258	38.702 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.232	104686	6.633 ng/ml
42) Aroclor 1260 (2)	8.436	177183	9.052 ng/ml
43) Aroclor 1260 (3)	8.671	225525	11.202 ng/ml
44) Aroclor 1260 (4)	9.160	2092602	67.621 ng/ml
45) Aroclor 1260 (5)	9.430	20491920	1144.979 ng/ml
46) Aroclor 1260 (6)	10.013	5622341	815.004 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

541.138

Data Path : K:\DATA\9J25014\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:37
 Operator : MJB / KAK
 Sample : 9J25014-ICV4
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:51:58 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.436	177183	11.708 ng/ml
49) Aroclor 1262 (2)	8.739	4093586	193.511 ng/ml
50) Aroclor 1262 (3)	8.917	329296	18.851 ng/ml
51) Aroclor 1262 (4)	9.160	2092602	58.437 ng/ml
52) Aroclor 1262 (5)	9.430	20491920	932.943 ng/ml
53) Aroclor 1262 (6)	10.013	5622341	579.591 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.958	4616698	494.645 ng/ml
56) Aroclor 1268 (2)	9.430	20491920	522.271 ng/ml
57) Aroclor 1268 (3)	9.497	15875048	503.536 ng/ml
58) Aroclor 1268 (4)	9.717	13592202	501.830 ng/ml
59) Aroclor 1268 (5)	10.013	5622341	530.601 ng/ml
60) Aroclor 1268 (6)	10.376	36963889	503.042 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

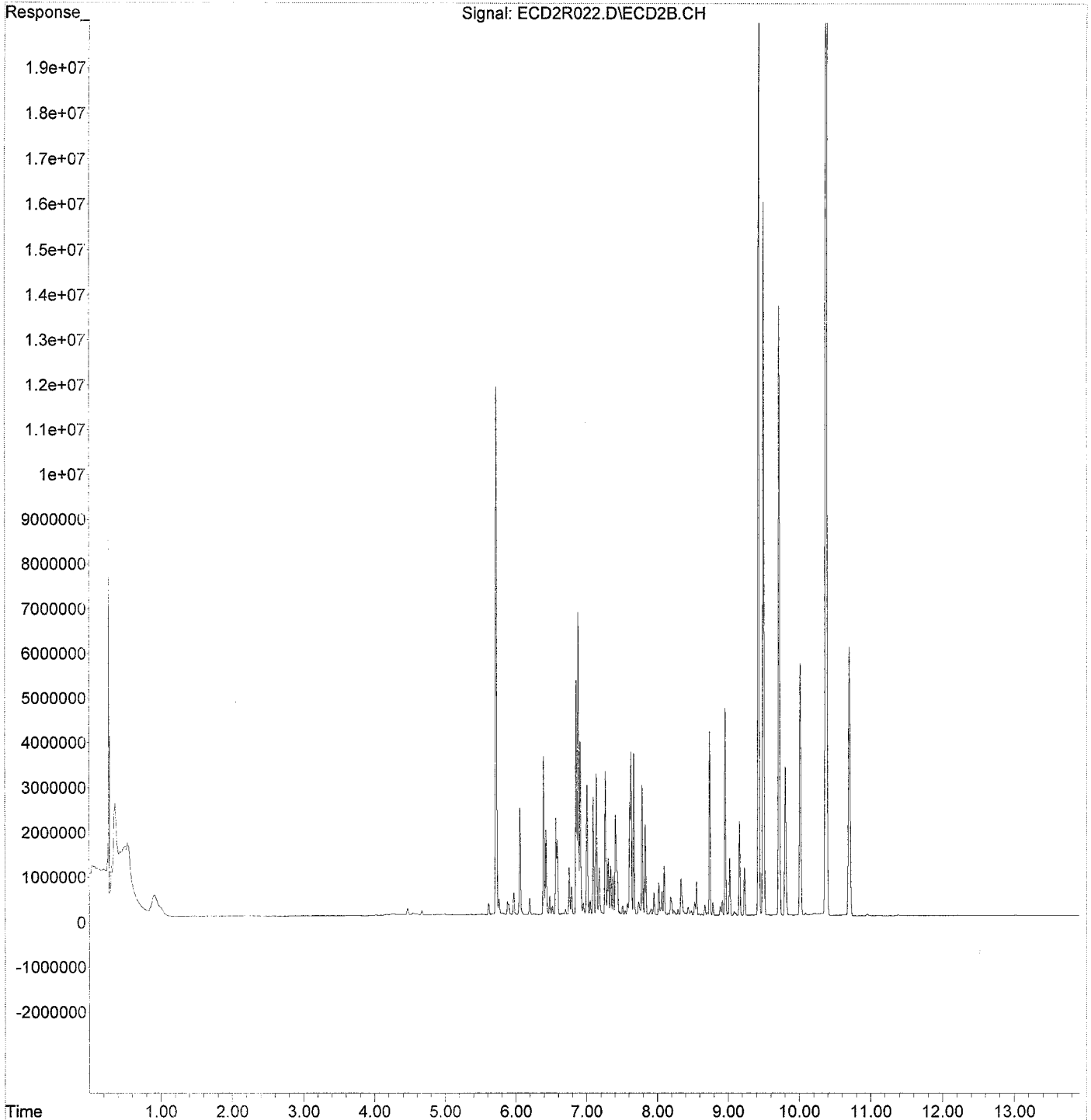
509.321

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 13:37
Operator : MJB / KAK
Sample : 9J25014-ICV4
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:51:58 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R023.D
 Signal(s) : ECD2E.CH
 Acq On : 25 Oct 2019 13:55
 Operator : MJB / KAK
 Sample : 9J25014-ICV5
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:52:15 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 10/28/19

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.716	6919	0.026 ng/ml
62) S DCBP (S)	10.699	2750	0.019 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	2023125	227.750 ng/ml
3) Aroclor 1016 (2)	6.879	4050930	247.562 ng/ml
4) Aroclor 1016 (3)	7.005	1768800	240.136 ng/ml
5) Aroclor 1016 (4)	7.093	5217069	699.591 ng/ml
6) Aroclor 1016 (5)	7.137	5113353	619.721 ng/ml
7) Aroclor 1016 (6)	7.263	6074070	737.942 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.895	36930	17.226 ng/ml
10) Aroclor 1221 (2)	5.967	60101	27.494 ng/ml
11) Aroclor 1221 (3)	6.054	298823	42.238 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	6.054	298823	52.199 ng/ml
14) Aroclor 1232 (2)	6.390	2023125	581.986 ng/ml
15) Aroclor 1232 (3)	6.879	4050930	625.699 ng/ml
16) Aroclor 1232 (4)	7.093	5217069	2185.068 ng/ml
17) Aroclor 1232 (5)	7.137	5113353	1871.412 ng/ml
18) Aroclor 1232 (6)	7.263	6074070	2047.886 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.390	2023125	308.805 ng/ml
21) Aroclor 1242 (2)	6.879	4050930	342.378 ng/ml
22) Aroclor 1242 (3)	7.005	1768800	334.845 ng/ml
23) Aroclor 1242 (4)	7.093	5217069	1044.932 ng/ml
24) Aroclor 1242 (5)	7.137	5113353	879.479 ng/ml
25) Aroclor 1242 (6)	7.263	6074070	980.466 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.852	4118248	551.868 ng/ml
28) Aroclor 1248 (2)	7.093	5217069	558.803 ng/ml
29) Aroclor 1248 (3)	7.137	5113353	583.078 ng/ml
30) Aroclor 1248 (4)	7.263	6074070	580.110 ng/ml
31) Aroclor 1248 (5)	7.628	7782994	601.793 ng/ml
32) Aroclor 1248 (6)	7.784	6754781	572.872 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.609	5215169	403.493 ng/ml
35) Aroclor 1254 (2)	7.784	6754781	333.609 ng/ml
36) Aroclor 1254 (3)	8.096	3731751	174.155 ng/ml
37) Aroclor 1254 (4)	8.334	2682738	162.427 ng/ml
38) Aroclor 1254 (5)	8.668	594359	37.874 ng/ml
39) Aroclor 1254 (6)	8.899	233869	47.825 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.231	342998	21.732 ng/ml
42) Aroclor 1260 (2)	8.434	477807	24.411 ng/ml
43) Aroclor 1260 (3)	8.668	594359	29.523 ng/ml
44) Aroclor 1260 (4)	9.159	114546	3.701 ng/ml
45) Aroclor 1260 (5)	9.427	79254	4.428 ng/ml
46) Aroclor 1260 (6)	10.012	22494	3.261 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

57A.75A

Data Path : K:\DATA\9J25014\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 13:55
 Operator : MJB / KAK
 Sample : 9J25014-ICV5
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:52:15 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

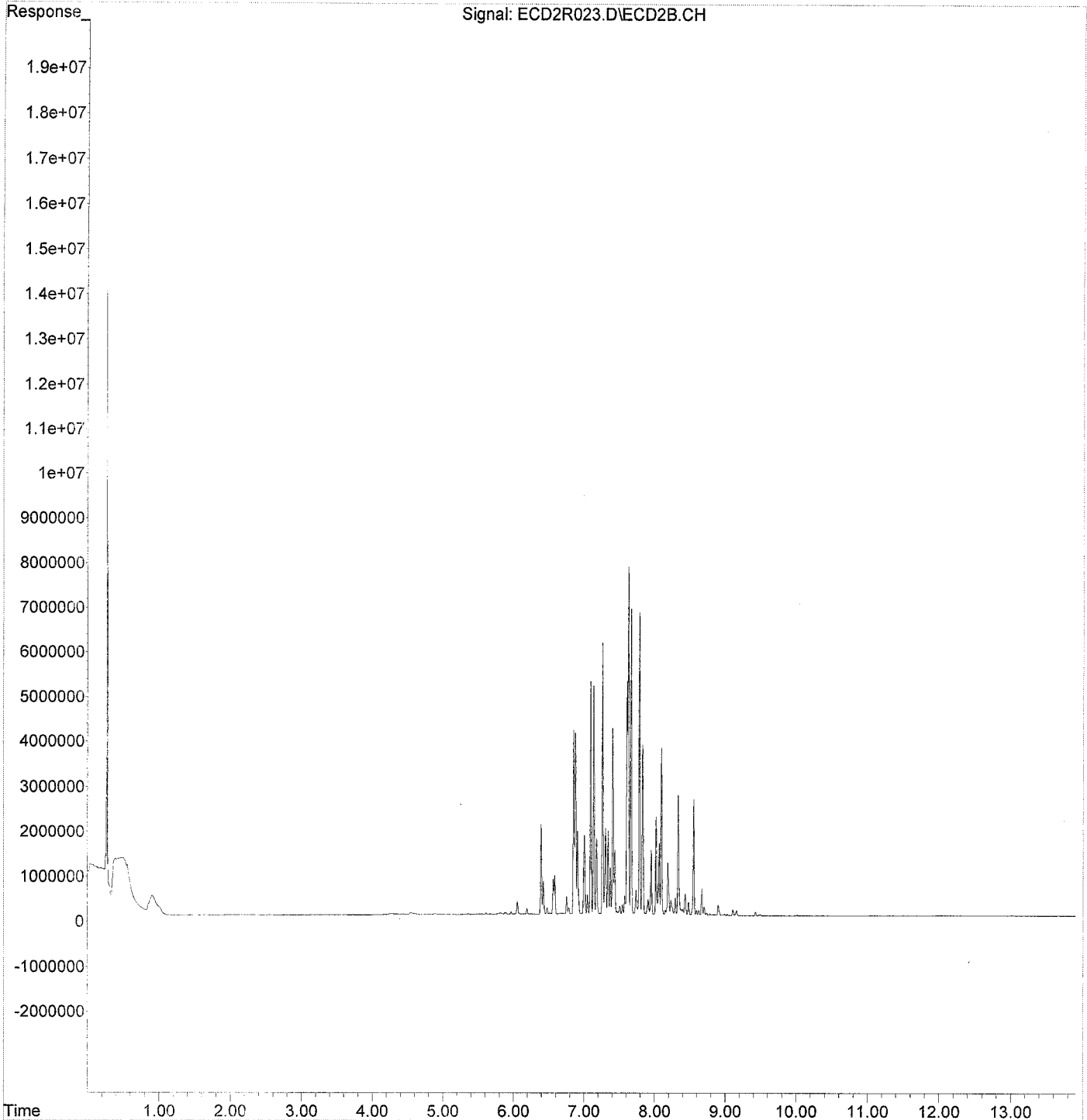
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.434	477807	31.573	ng/ml
49) Aroclor 1262 (2)	8.738	58424	2.762	ng/ml
50) Aroclor 1262 (3)	8.899	233869	13.388	ng/ml
51) Aroclor 1262 (4)	9.159	114546	3.199	ng/ml
52) Aroclor 1262 (5)	9.427	79254	3.608	ng/ml
53) Aroclor 1262 (6)	10.012	22494	2.319	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.957	13896	1.489	ng/ml
56) Aroclor 1268 (2)	9.427	79254	2.020	ng/ml
57) Aroclor 1268 (3)	9.493	24357	0.773	ng/ml
58) Aroclor 1268 (4)	9.717	2412	0.089	ng/ml
59) Aroclor 1268 (5)	10.012	22494	2.123	ng/ml
60) Aroclor 1268 (6)	10.373	8052	0.110	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 13:55
Operator : MJB / KAK
Sample : 9J25014-ICV5
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:52:15 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:19
 Operator : MJB / KAK
 Sample : 9J25014-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:17:58 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.717	2391999	9.118 ng/ml ✓
62) S DCBP (S)	10.698	1318659	8.983 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.390	203035	22.856 ng/ml
3) Aroclor 1016 (2)	6.879	342549	20.934 ng/ml
4) Aroclor 1016 (3)	7.006	170044	23.085 ng/ml
5) Aroclor 1016 (4)	7.092	177152	23.755 ng/ml
6) Aroclor 1016 (5)	7.137	189025	22.909 ng/ml
7) Aroclor 1016 (6)	7.262	191737	23.294 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)	8.232	337139	21.361 ng/ml
42) Aroclor 1260 (2)	8.437	413345	21.117 ng/ml
43) Aroclor 1260 (3)	8.670	418334	20.779 ng/ml
44) Aroclor 1260 (4)	9.160	618662	19.992 ng/ml
45) Aroclor 1260 (5)	9.427	361157	20.180 ng/ml ✓
46) Aroclor 1260 (6)	10.012	148612	21.542 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

MJB
10/28/19

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:19
 Operator : MJB / KAK
 Sample : 9J25014-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:17:58 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

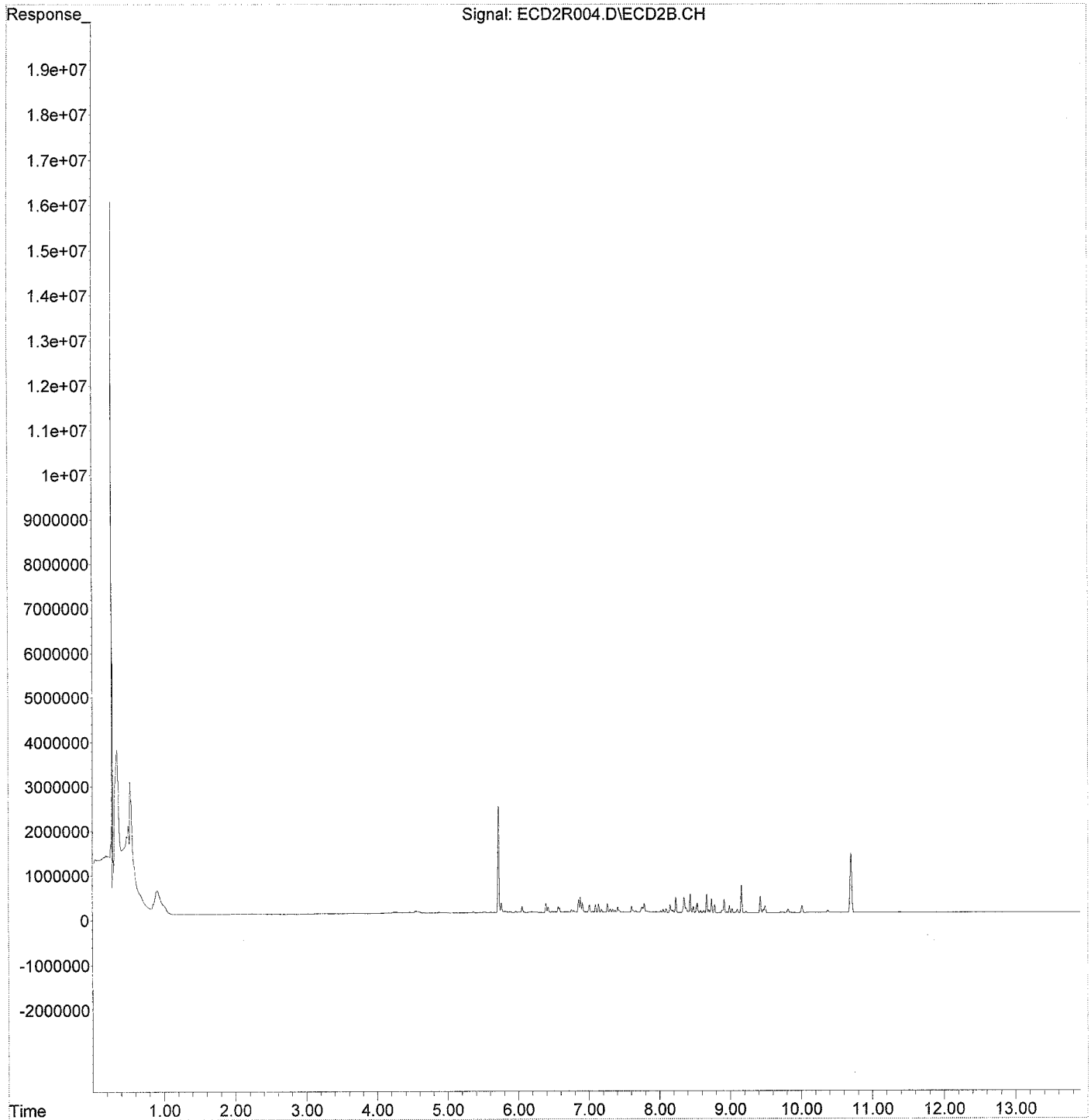
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:19
Operator : MJB / KAK
Sample : 9J25014-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:17:58 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:37
 Operator : MJB / KAK
 Sample : 9J25014-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:18:18 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.718	6329448	24.128 ng/ml ✓
62) S DCBP (S)	10.699	3507689	23.896 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.390	493668	55.574 ng/ml
3) Aroclor 1016 (2)	6.878	850982	52.006 ng/ml
4) Aroclor 1016 (3)	7.005	385301	52.309 ng/ml
5) Aroclor 1016 (4)	7.092	408863	54.827 ng/ml
6) Aroclor 1016 (5)	7.136	456813	55.364 ng/ml
7) Aroclor 1016 (6)	7.261	452852	55.017 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)	8.231	824221	52.223 ng/ml
42) Aroclor 1260 (2)	8.436	1025756	52.405 ng/ml
43) Aroclor 1260 (3)	8.669	1053008	52.305 ng/ml
44) Aroclor 1260 (4)	9.159	1549626	50.075 ng/ml
45) Aroclor 1260 (5)	9.426	930309	51.981 ng/ml
46) Aroclor 1260 (6)	10.011	375099	54.374 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

[Handwritten signature]
10/28/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:37
 Operator : MJB / KAK
 Sample : 9J25014-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:18:18 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

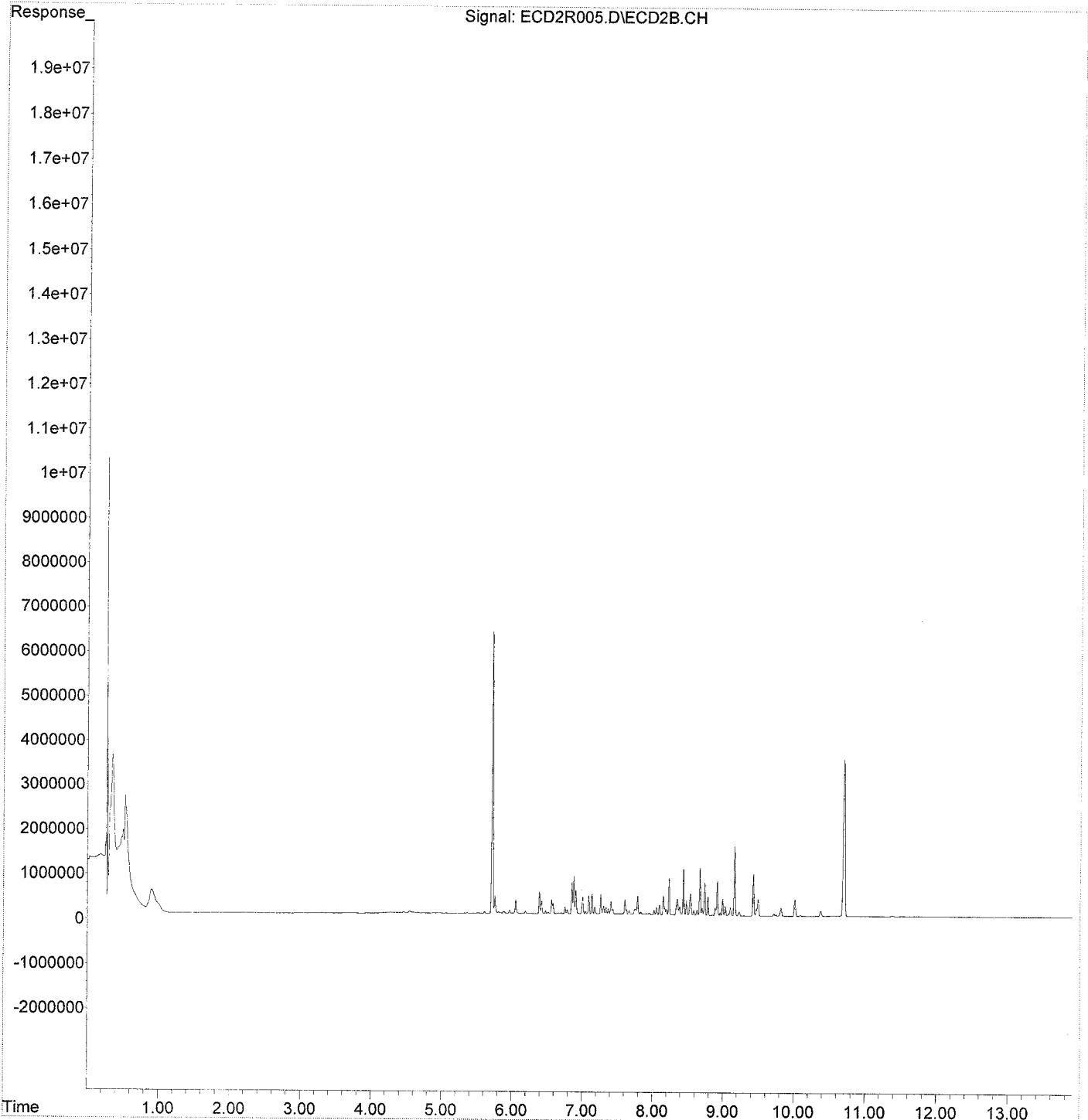
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:37
Operator : MJB / KAK
Sample : 9J25014-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:18:18 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:54
 Operator : MJB / KAK
 Sample : 9J25014-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:18:37 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.719	12908276	49.206	ng/ml
62) S DCBP (S)	10.700	6866760	46.779	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.390	925201	104.153	ng/ml
3) Aroclor 1016 (2)	6.879	1692274	103.419	ng/ml
4) Aroclor 1016 (3)	7.006	755246	102.534	ng/ml
5) Aroclor 1016 (4)	7.092	772578	103.600	ng/ml
6) Aroclor 1016 (5)	7.137	847932	102.766	ng/ml
7) Aroclor 1016 (6)	7.262	847087	102.913	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)	8.231	1567269	99.302	ng/ml
42) Aroclor 1260 (2)	8.437	1995660	101.956	ng/ml
43) Aroclor 1260 (3)	8.669	1985447	98.621	ng/ml
44) Aroclor 1260 (4)	9.160	3069980	99.204	ng/ml
45) Aroclor 1260 (5)	9.427	1747257	97.627	ng/ml
46) Aroclor 1260 (6)	10.013	694240	100.636	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
 10/28/19

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:54
 Operator : MJB / KAK
 Sample : 9J25014-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:18:37 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

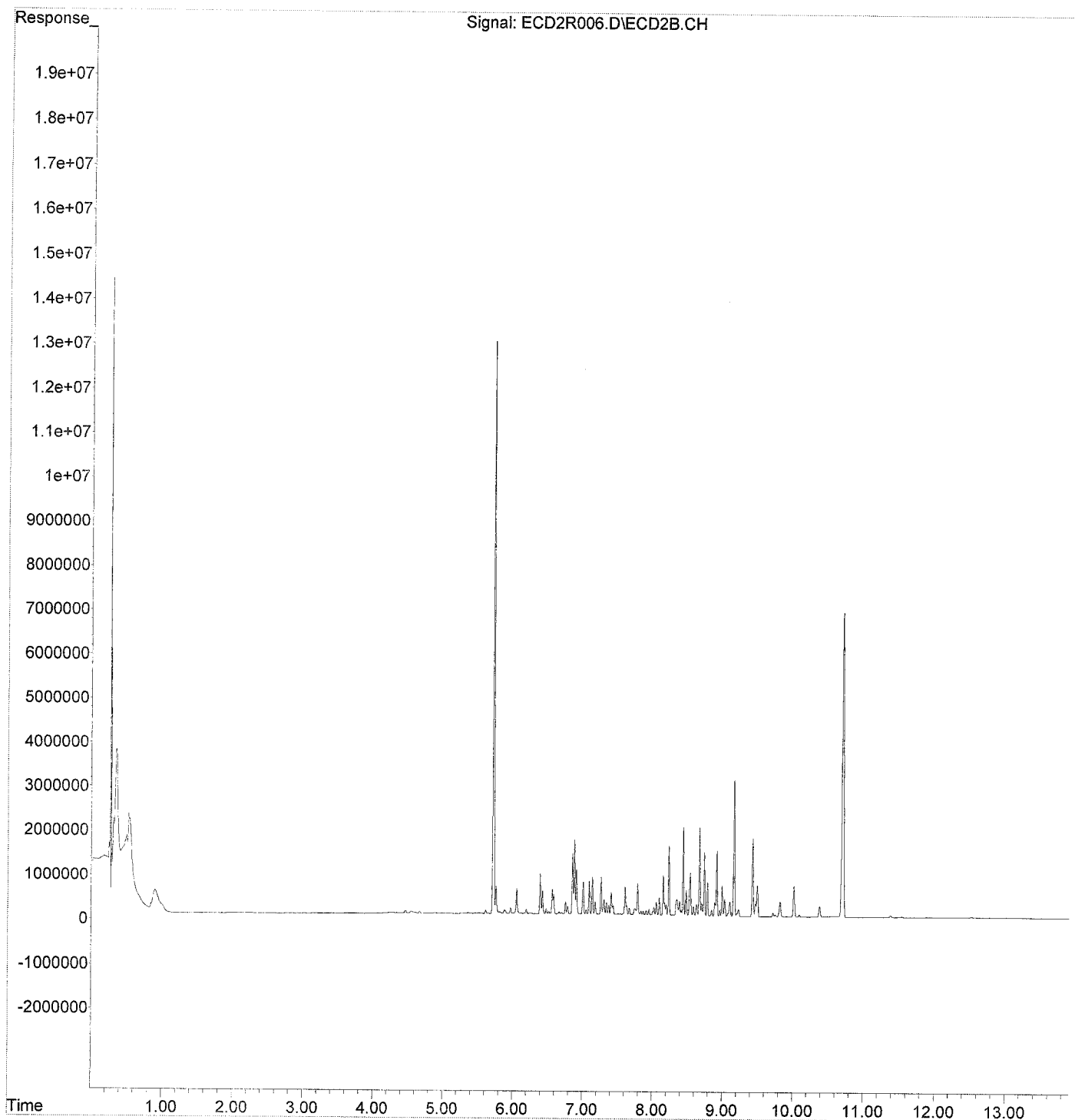
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\request\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:54
Operator : MJB / KAK
Sample : 9J25014-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:18:37 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:12
 Operator : MJB / KAK
 Sample : 9J25014-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:18:55 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.719	25201953	96.069	ng/ml
62) S DCBP (S)	10.701	13542694	92.259	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.391	1681899	189.337	ng/ml
3) Aroclor 1016 (2)	6.880	2950427	180.308	ng/ml
4) Aroclor 1016 (3)	7.007	1339661	181.875	ng/ml
5) Aroclor 1016 (4)	7.093	1371367	183.896	ng/ml
6) Aroclor 1016 (5)	7.138	1545261	187.280	ng/ml
7) Aroclor 1016 (6)	7.264	1488996	180.899	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)	8.233	2941552	186.376	ng/ml
42) Aroclor 1260 (2)	8.439	3541866	180.950	ng/ml
43) Aroclor 1260 (3)	8.671	3824049	189.947	ng/ml
44) Aroclor 1260 (4)	9.161	5726786	185.056	ng/ml ✓
45) Aroclor 1260 (5)	9.429	3291800	183.928	ng/ml
46) Aroclor 1260 (6)	10.014	1229444	178.218	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten Signature]
 10/28/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:12
 Operator : MJB / KAK
 Sample : 9J25014-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:18:55 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

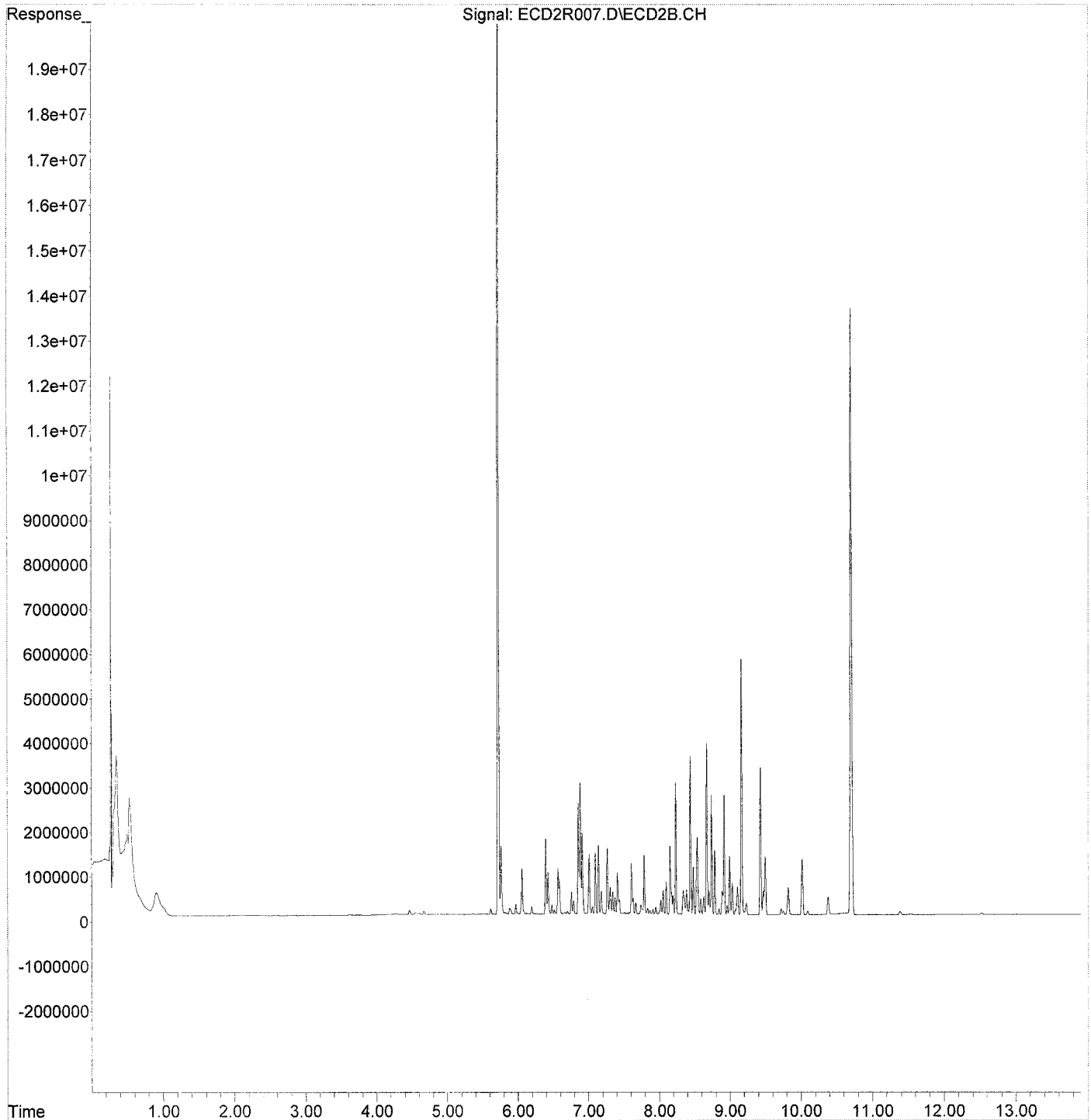
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 9:12
Operator : MJB / KAK
Sample : 9J25014-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:18:55 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:29
 Operator : MJB / KAK
 Sample : 9J25014-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:19:14 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.721	74750626	284.947	ng/ml ✓
62) S DCBP (S)	10.702	37826419	257.690	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.392	4042674	455.098	ng/ml
3) Aroclor 1016 (2)	6.881	8040226	491.358	ng/ml
4) Aroclor 1016 (3)	7.007	3506618	476.065	ng/ml
5) Aroclor 1016 (4)	7.093	3443828	461.805	ng/ml ✓
6) Aroclor 1016 (5)	7.138	3937867	477.256	ng/ml
7) Aroclor 1016 (6)	7.264	3952172	480.152	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)	8.233	7847499	497.216	ng/ml
42) Aroclor 1260 (2)	8.439	10138697	517.975	ng/ml
43) Aroclor 1260 (3)	8.671	10067178	500.054	ng/ml
44) Aroclor 1260 (4)	9.161	14996364	484.595	ng/ml ✓
45) Aroclor 1260 (5)	9.428	8974797	501.464	ng/ml
46) Aroclor 1260 (6)	10.013	3236527	469.161	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
 10/28/19

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:29
 Operator : MJB / KAK
 Sample : 9J25014-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:19:14 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

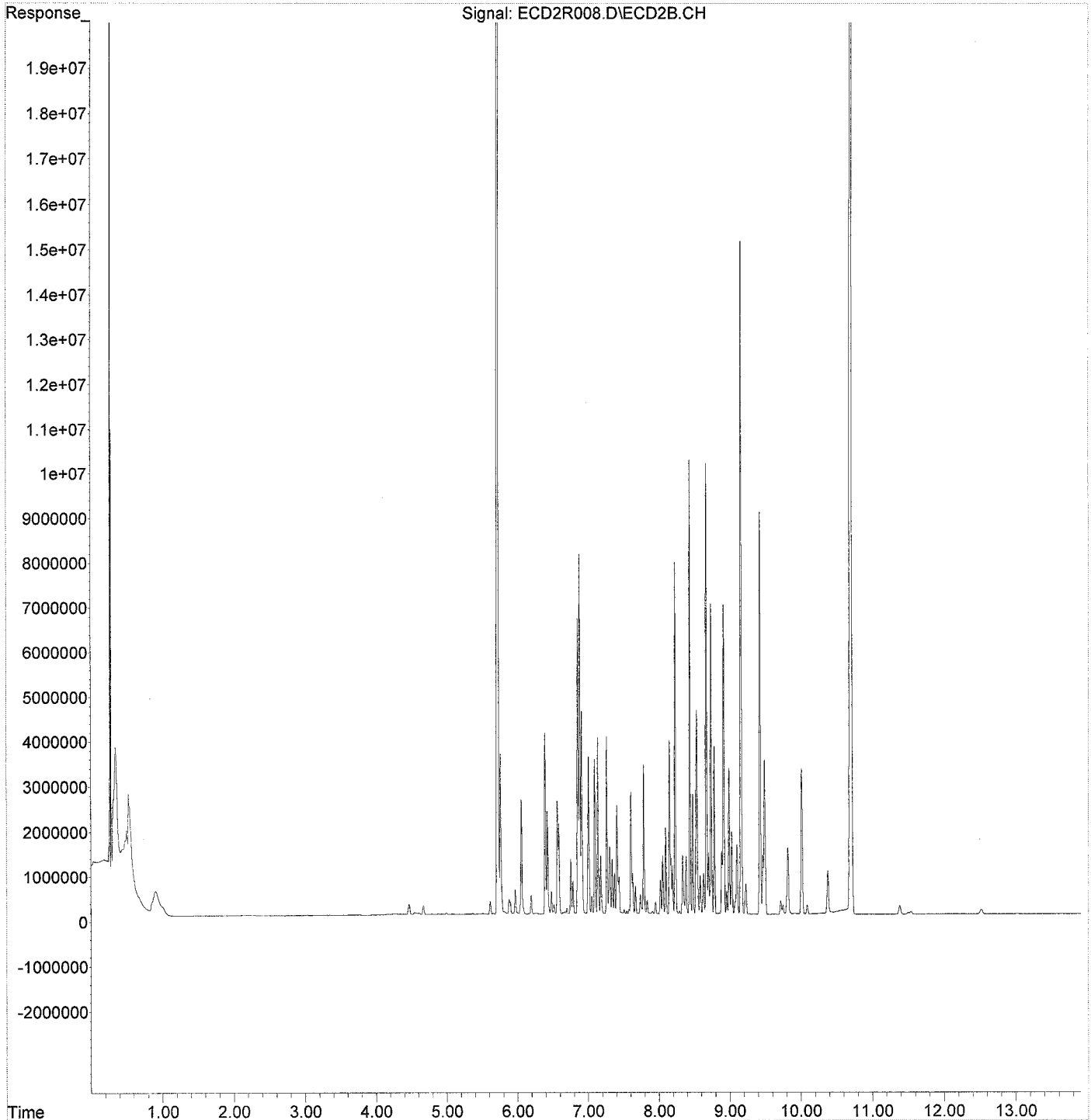
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9J25014\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 9:29
Operator : MJB / KAK
Sample : 9J25014-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:19:14 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:47
 Operator : MJB / KAK
 Sample : 9J25014-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:19:33 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.722	141150367	538.060	ng/ml ✓
62) S DCBP (S)	10.703	75851805	516.735	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.391	8009226	901.626	ng/ml
3) Aroclor 1016 (2)	6.880	15600018	953.356	ng/ml
4) Aroclor 1016 (3)	7.006	6715654	911.730	ng/ml
5) Aroclor 1016 (4)	7.092	6545978	877.793	ng/ml
6) Aroclor 1016 (5)	7.138	7260053	879.893	ng/ml
7) Aroclor 1016 (6)	7.263	7304270	887.400	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)	8.233	14942236	946.738	ng/ml
42) Aroclor 1260 (2)	8.439	17867440	912.828	ng/ml
43) Aroclor 1260 (3)	8.671	19036703	945.586	ng/ml
44) Aroclor 1260 (4)	9.162	31228514	1009.123	ng/ml ✓
45) Aroclor 1260 (5)	9.429	17681701	987.959	ng/ml
46) Aroclor 1260 (6)	10.013	6505242	942.988	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
10/28/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:47
 Operator : MJB / KAK
 Sample : 9J25014-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:19:33 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

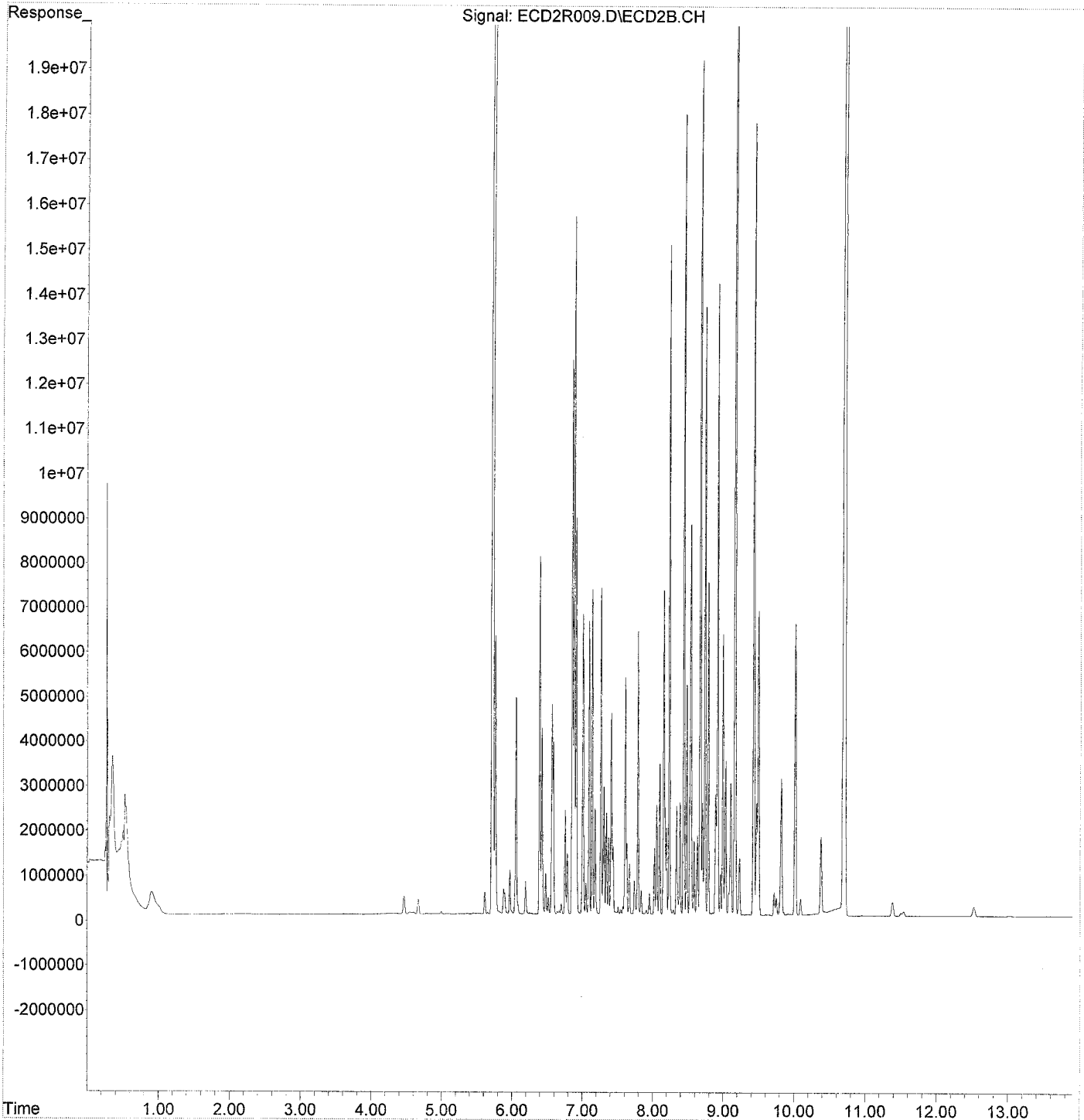
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 9:47
Operator : MJB / KAK
Sample : 9J25014-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:19:33 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:05
 Operator : MJB / KAK
 Sample : 9J25014-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:19:51 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.728	201965239	769.885	ng/ml
62) S DCBP (S)	10.704	143670457	978.745	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.392	12600734	1418.507	ng/ml
3) Aroclor 1016 (2)	6.881	25560677	1562.077	ng/ml
4) Aroclor 1016 (3)	7.007	11059481	1501.456	ng/ml
5) Aroclor 1016 (4)	7.094	10725098	1438.199	ng/ml
6) Aroclor 1016 (5)	7.138	11742812	1423.188	ng/ml
7) Aroclor 1016 (6)	7.264	11773868	1430.414	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)	8.233	24181558	1532.139	ng/ml
42) Aroclor 1260 (2)	8.439	30034445	1534.426	ng/ml
43) Aroclor 1260 (3)	8.671	31203805	1549.947	ng/ml
44) Aroclor 1260 (4)	9.162	51214030	1654.938	ng/ml
45) Aroclor 1260 (5)	9.429	28580187	1596.909	ng/ml
46) Aroclor 1260 (6)	10.014	10934005	1584.973	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

MS
10/28/19

Data Path : K:\DATA\9J25014\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:05
 Operator : MJB / KAK
 Sample : 9J25014-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 28 08:19:51 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

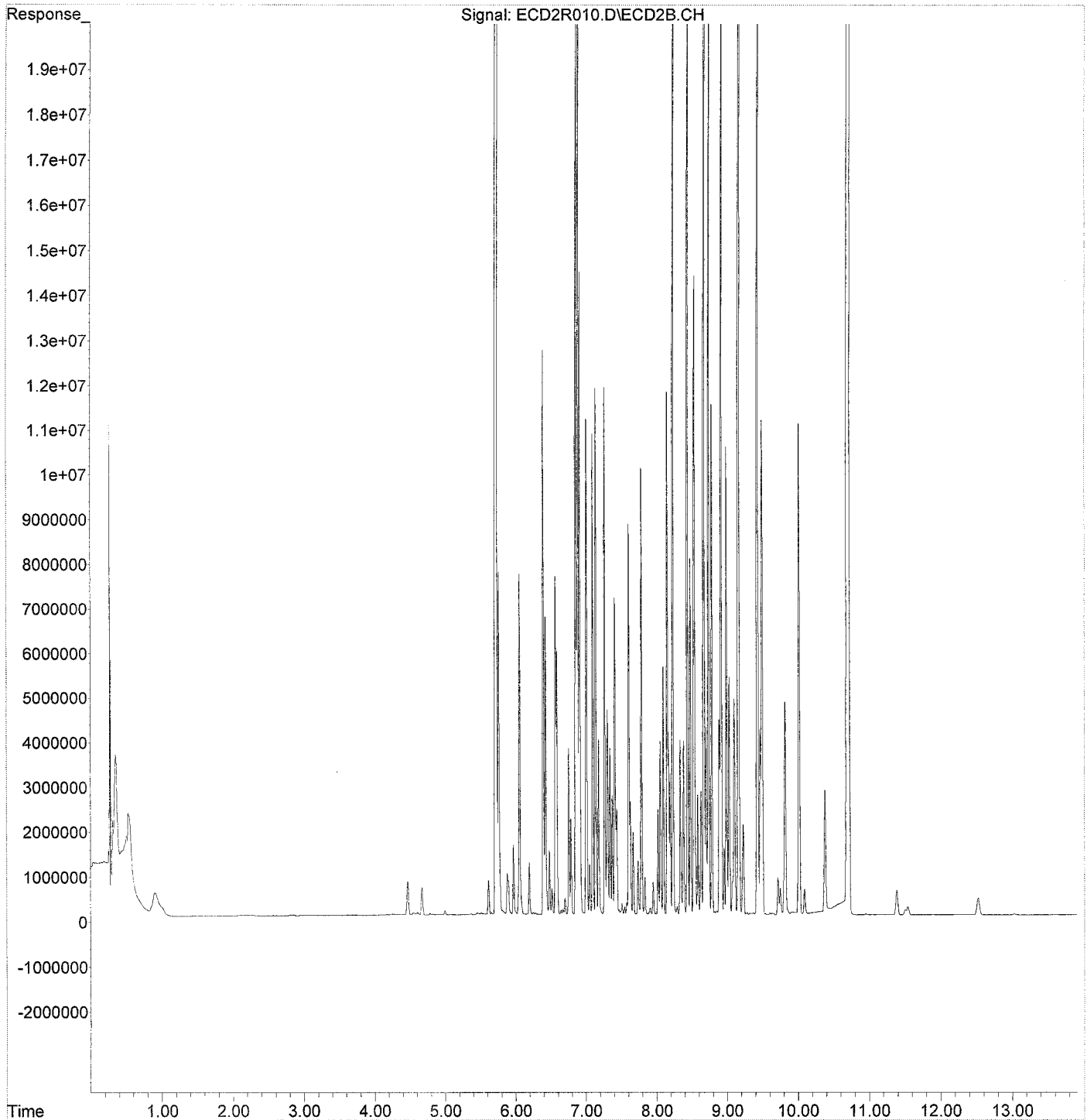
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 10:05
Operator : MJB / KAK
Sample : 9J25014-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 28 08:19:51 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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 1	Hexane	E2A21015	1	Sample		
3	Vial 2	9J25013-CCV1	E2A21015	1	Sample		
4	Vial 3	9J25013-CCB1	E2A21015	1	Sample		
5	Vial 4	9101522-BLK1	E2A21015	1	Sample		
6	Vial 5	9101522-BS1	E2A21015	1	Sample		
7	Vial 6	A9J0063-17RE2	E2A21015	1	Sample		
8	Vial 1	9J25013-IBL1	E2A21015	1	Sample		
9	Vial 7	A9J0315-23	E2A21015	1	Sample		
10	Vial 1	9J25013-IBL2	E2A21015	1	Sample		
11	Vial 8	A9J0357-01	E2A21015	1	Sample		
12	Vial 1	9J25013-IBL3	E2A21015	1	Sample		
13	Vial 9	A9J0357-02	E2A21015	1	Sample		
14	Vial 1	9J25013-IBL4	E2A21015	1	Sample		
15	Vial 10	A9J0357-09	E2A21015	1	Sample		
16	Vial 1	9J25013-IBL5	E2A21015	1	Sample		
17	Vial 11	A9J0357-10	E2A21015	1	Sample		
18	Vial 1	9J25013-IBL6	E2A21015	1	Sample		
19	Vial 12	A9J0357-14	E2A21015	1	Sample		
20	Vial 1	9J25013-IBL7	E2A21015	1	Sample		
21	Vial 2	9J25013-CCV2	E2A21015	1	Sample		
22	Vial 3	9J25013-CCB2	E2A21015	1	Sample		
23	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 52	9J25014-ICB1	E2A21015	1	Sample		
4	Vial 53	9J25014-CAL1	E2A21015	1	Sample		
5	Vial 54	9J25014-CAL2	E2A21015	1	Sample		
6	Vial 55	9J25014-CAL3	E2A21015	1	Sample		
7	Vial 56	9J25014-CAL4	E2A21015	1	Sample		
8	Vial 57	9J25014-CAL5	E2A21015	1	Sample		
9	Vial 58	9J25014-CAL6	E2A21015	1	Sample		
10	Vial 59	9J25014-CAL7	E2A21015	1	Sample		
11	Vial 51	9J25014-IBL1	E2A21015	1	Sample		
12	Vial 60	9J25014-ICV1	E2A21015	1	Sample		
13	Vial 61	9J25014-CAL8	E2A21015	1	Sample		
14	Vial 62	9J25014-CAL9	E2A21015	1	Sample		
15	Vial 63	9J25014-CALA	E2A21015	1	Sample		
16	Vial 64	9J25014-CALB	E2A21015	1	Sample		
17	Vial 65	9J25014-CALC	E2A21015	1	Sample		
18	Vial 66	9J25014-CALD	E2A21015	1	Sample		
19	Vial 67	9J25014-CALE	E2A21015	1	Sample		
20	Vial 68	9J25014-ICV2	E2A21015	1	Sample		
21	Vial 69	9J25014-ICV3	E2A21015	1	Sample		
22	Vial 70	9J25014-ICV4	E2A21015	1	Sample		
23	Vial 71	9J25014-ICV5	E2A21015	1	Sample		

[Handwritten signature]
10/25/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:19
 Operator : MJB / KAK
 Sample : 9J25014-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:22:01 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.717	2391999	9.624 ng/ml
62) S DCBP (S)	10.698	1318659	10.532 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	203035	26.262 ng/ml
3) Aroclor 1016 (2)	6.879	342549	24.487 ng/ml
4) Aroclor 1016 (3)	7.006	170044	26.412 ng/ml
5) Aroclor 1016 (4)	7.092	177152	28.277 ng/ml
6) Aroclor 1016 (5)	7.137	189025	27.029 ng/ml
7) Aroclor 1016 (6)	7.262	191737	27.461 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)	8.232	337139	25.386 ng/ml
42) Aroclor 1260 (2)	8.437	413345	24.782 ng/ml
43) Aroclor 1260 (3)	8.670	418334	24.841 ng/ml
44) Aroclor 1260 (4)	9.160	618662	23.878 ng/ml
45) Aroclor 1260 (5)	9.427	361157	23.847 ng/ml
46) Aroclor 1260 (6)	10.012	148612	25.385 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:19
 Operator : MJB / KAK
 Sample : 9J25014-CAL1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:22:01 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

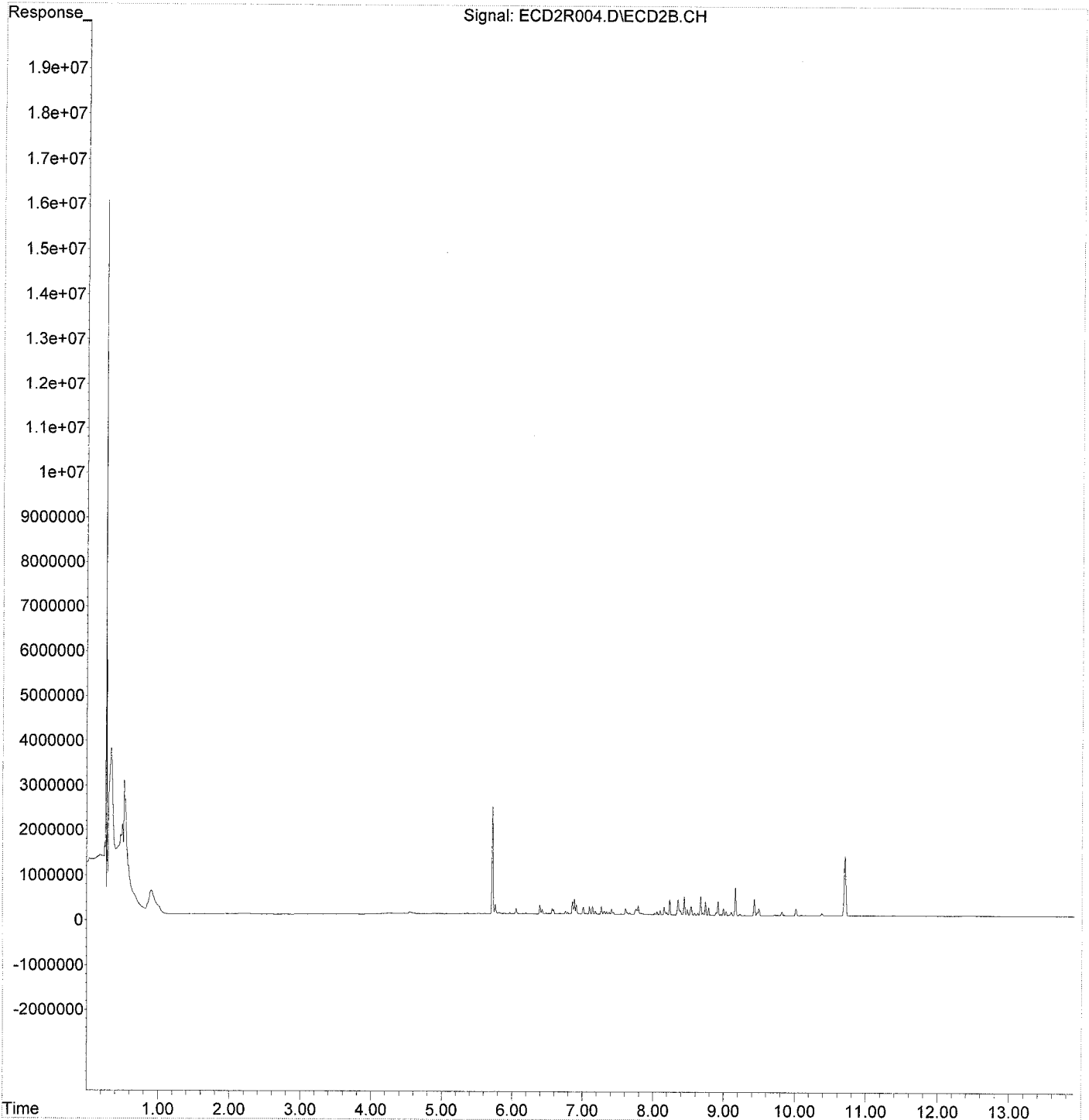
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:19
Operator : MJB / KAK
Sample : 9J25014-CAL1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:22:01 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:37
 Operator : MJB / KAK
 Sample : 9J25014-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:23:56 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.718	6329448	25.466 ng/ml
62) S DCBP (S)	10.699	3507689	28.017 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	493668	63.854 ng/ml
3) Aroclor 1016 (2)	6.878	850982	60.832 ng/ml
4) Aroclor 1016 (3)	7.005	385301	59.847 ng/ml
5) Aroclor 1016 (4)	7.092	408863	65.263 ng/ml
6) Aroclor 1016 (5)	7.136	456813	68.321 ng/ml
7) Aroclor 1016 (6)	7.261	452852	64.859 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)	8.231	824221	62.062 ng/ml
42) Aroclor 1260 (2)	8.436	1025756	61.499 ng/ml
43) Aroclor 1260 (3)	8.669	1053008	62.529 ng/ml
44) Aroclor 1260 (4)	9.159	1549626	59.810 ng/ml
45) Aroclor 1260 (5)	9.426	930309	61.427 ng/ml
46) Aroclor 1260 (6)	10.011	375099	64.073 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature and date: 10/25/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:37
 Operator : MJB / KAK
 Sample : 9J25014-CAL2
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:23:56 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

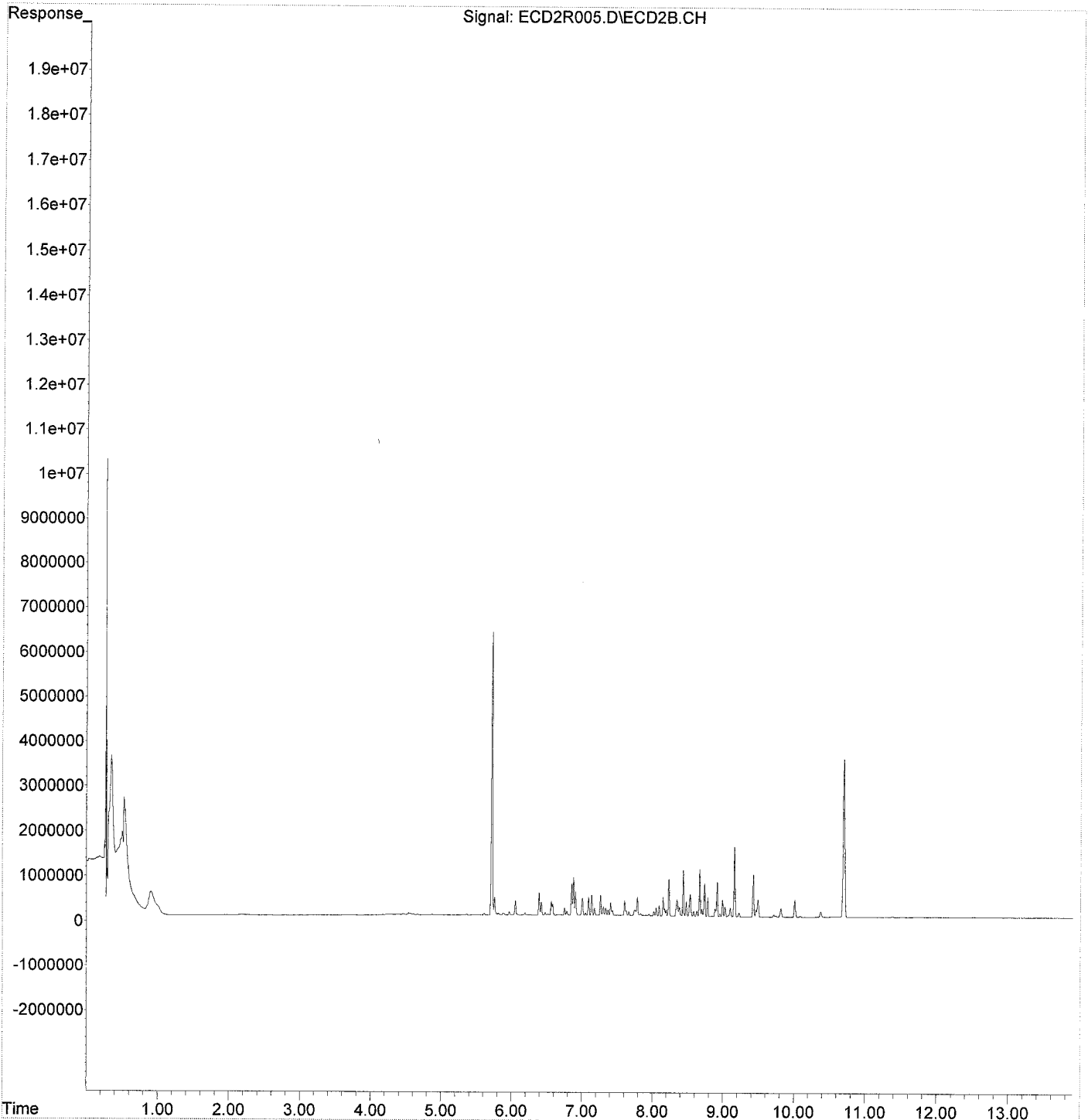
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:37
Operator : MJB / KAK
Sample : 9J25014-CAL2
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:23:56 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:54
 Operator : MJB / KAK
 Sample : 9J25014-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:25:14 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.719	12908276	51.934 ng/ml
62) S DCBP (S)	10.700	6866760	54.846 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.390	925201	119.671 ng/ml
3) Aroclor 1016 (2)	6.879	1692274	120.970 ng/ml
4) Aroclor 1016 (3)	7.006	755246	117.309 ng/ml
5) Aroclor 1016 (4)	7.092	772578	123.320 ng/ml
6) Aroclor 1016 (5)	7.137	847932	121.249 ng/ml
7) Aroclor 1016 (6)	7.262	847087	121.323 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 - 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)	8.231	1567269	118.012 ng/ml
42) Aroclor 1260 (2)	8.437	1995660	119.649 ng/ml
43) Aroclor 1260 (3)	8.669	1985447	117.899 ng/ml
44) Aroclor 1260 (4)	9.160	3069980	118.491 ng/ml
45) Aroclor 1260 (5)	9.427	1747257	115.368 ng/ml
46) Aroclor 1260 (6)	10.013	694240	118.587 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 8:54
 Operator : MJB / KAK
 Sample : 9J25014-CAL3
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:25:14 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

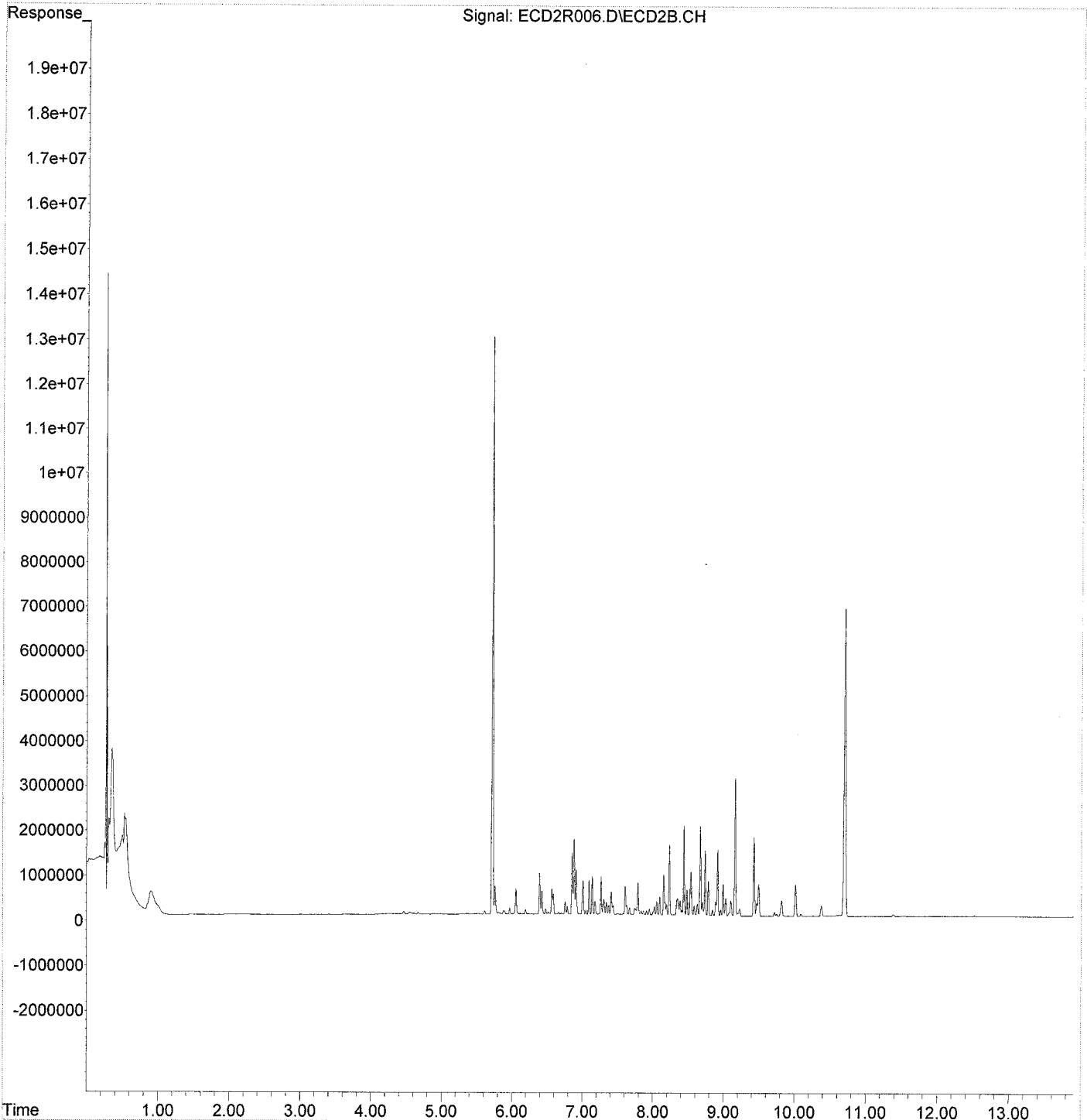
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 8:54
Operator : MJB / KAK
Sample : 9J25014-CAL3
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:25:14 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:12
 Operator : MJB / KAK
 Sample : 9J25014-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:26:23 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.719	25201953	101.396 ng/ml
62) S DCBP (S)	10.701	13542694	108.169 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.391	1681899	217.546 ng/ml
3) Aroclor 1016 (2)	6.880	2950427	210.908 ng/ml
4) Aroclor 1016 (3)	7.007	1339661	208.084 ng/ml
5) Aroclor 1016 (4)	7.093	1371367	218.899 ng/ml
6) Aroclor 1016 (5)	7.138	1545261	220.963 ng/ml
7) Aroclor 1016 (6)	7.264	1488996	213.259 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)	8.233	2941552	221.492 ng/ml
42) Aroclor 1260 (2)	8.439	3541866	212.352 ng/ml
43) Aroclor 1260 (3)	8.671	3824049	227.079 ng/ml
44) Aroclor 1260 (4)	9.161	5726786	221.034 ng/ml
45) Aroclor 1260 (5)	9.429	3291800	217.352 ng/ml
46) Aroclor 1260 (6)	10.014	1229444	210.009 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature and date: 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:12
 Operator : MJB / KAK
 Sample : 9J25014-CAL4
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:26:23 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

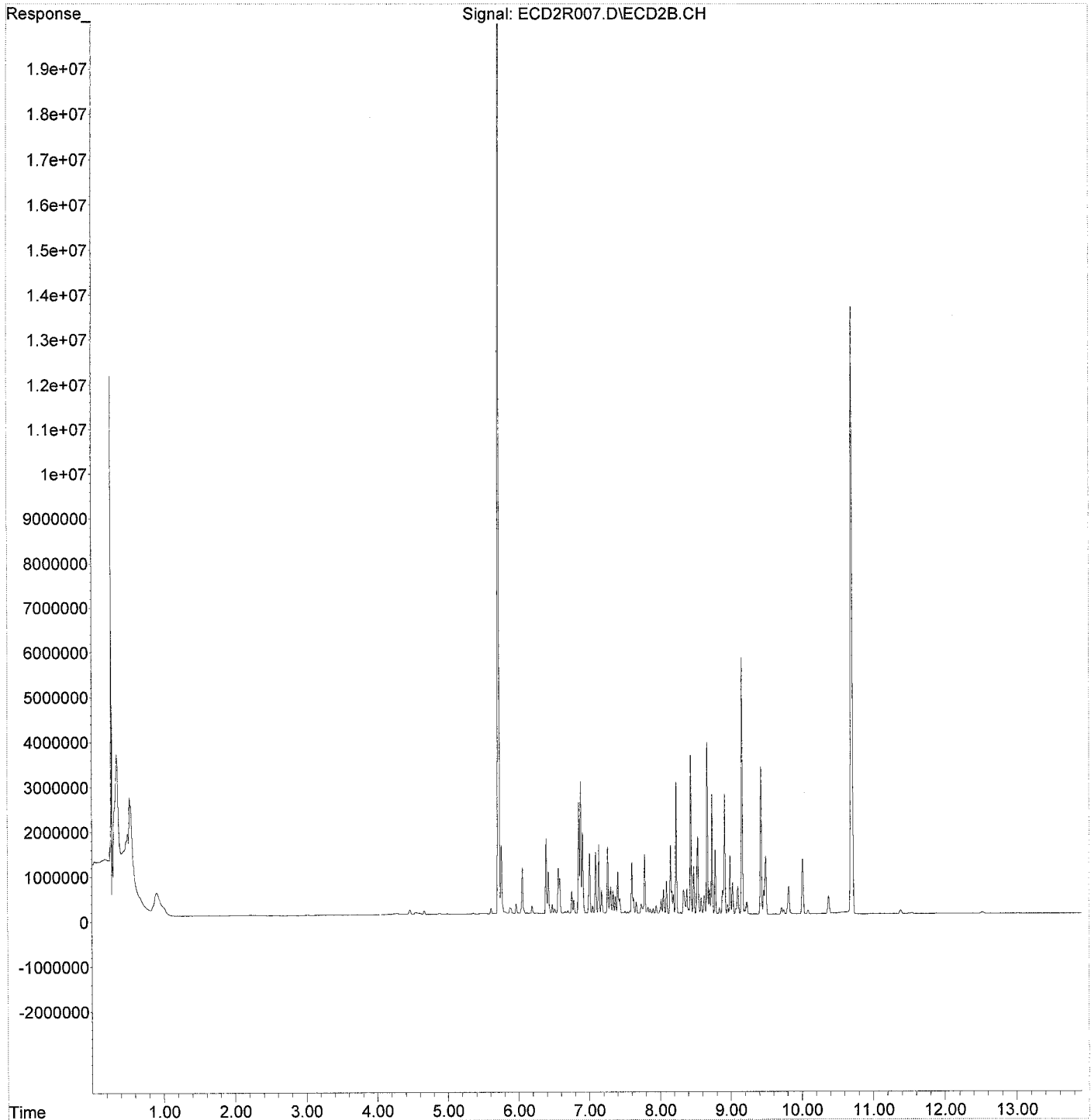
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 9:12
Operator : MJB / KAK
Sample : 9J25014-CAL4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:26:23 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:29
 Operator : MJB / KAK
 Sample : 9J25014-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:27:32 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.721	74750626	300.748 ng/ml
62) S DCBP (S)	10.702	37826419	302.129 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.392	4042674	522.901 ng/ml
3) Aroclor 1016 (2)	6.881	8040226	574.747 ng/ml
4) Aroclor 1016 (3)	7.007	3506618	544.667 ng/ml
5) Aroclor 1016 (4)	7.093	3443828	549.708 ng/ml
6) Aroclor 1016 (5)	7.138	3937867	563.090 ng/ml
7) Aroclor 1016 (6)	7.264	3952172	566.044 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)	8.233	7847499	590.898 ng/ml
42) Aroclor 1260 (2)	8.439	10138697	607.863 ng/ml
43) Aroclor 1260 (3)	8.671	10067178	597.806 ng/ml
44) Aroclor 1260 (4)	9.161	14996364	578.808 ng/ml
45) Aroclor 1260 (5)	9.428	8974797	592.590 ng/ml
46) Aroclor 1260 (6)	10.013	3236527	552.851 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:29
 Operator : MJB / KAK
 Sample : 9J25014-CAL5
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:27:32 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

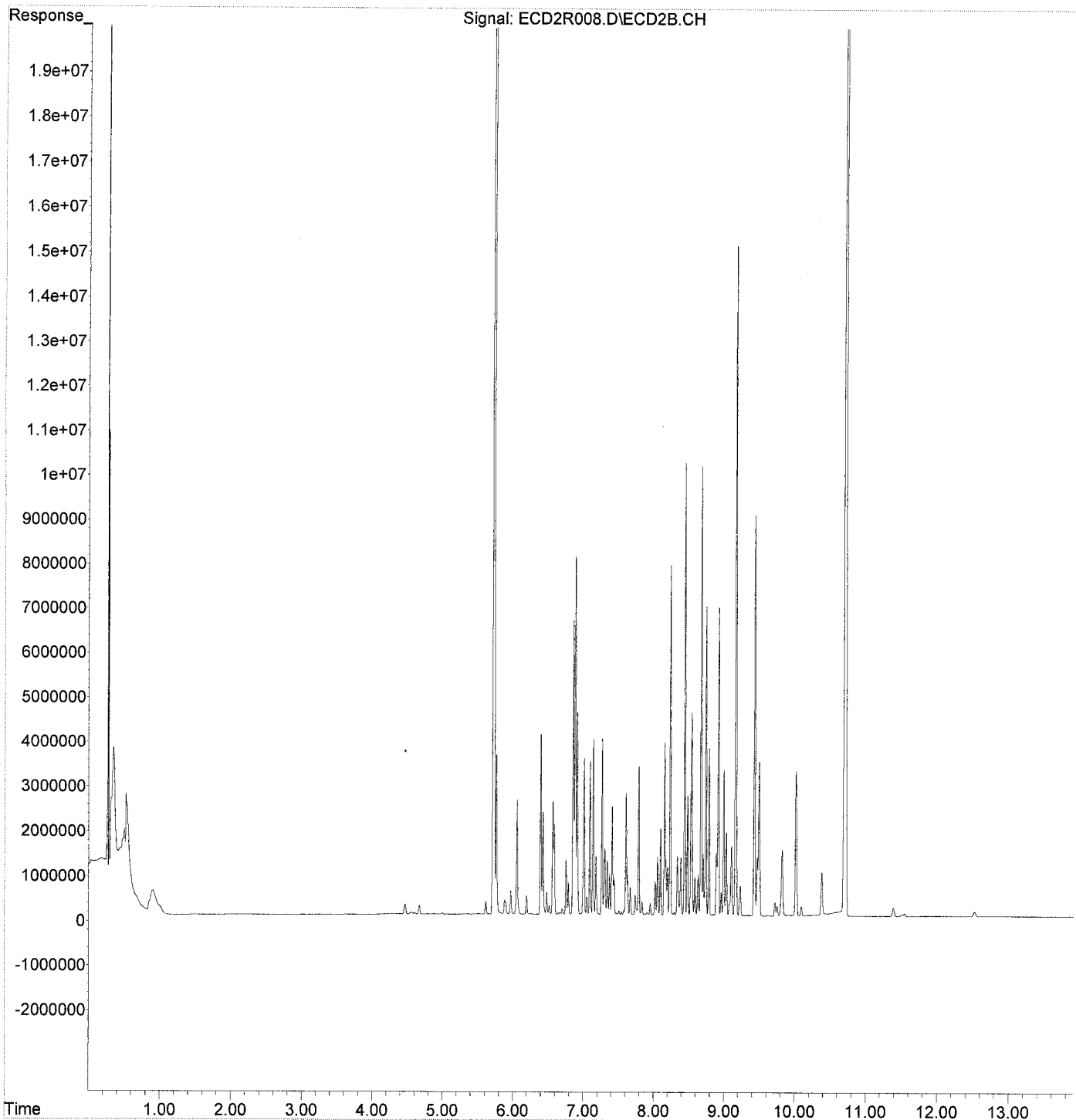
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9J25014\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 9:29
Operator : MJB / KAK
Sample : 9J25014-CAL5
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:27:32 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:47
 Operator : MJB / KAK
 Sample : 9J25014-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:28:44 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.722	141150367	567.897 ng/ml
62) S DCBP (S)	10.703	75851805	605.847 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.391	8009226	1035.957 ng/ml
3) Aroclor 1016 (2)	6.880	15600018	1115.151 ng/ml
4) Aroclor 1016 (3)	7.006	6715654	1043.112 ng/ml
5) Aroclor 1016 (4)	7.092	6545978	1044.877 ng/ml
6) Aroclor 1016 (5)	7.138	7260053	1038.141 ng/ml
7) Aroclor 1016 (6)	7.263	7304270	1046.143 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)	8.233	14942236	1125.115 ng/ml
42) Aroclor 1260 (2)	8.439	17867440	1071.238 ng/ml
43) Aroclor 1260 (3)	8.671	19036703	1130.432 ng/ml
44) Aroclor 1260 (4)	9.162	31228514	1205.313 ng/ml
45) Aroclor 1260 (5)	9.429	17681701	1167.492 ng/ml
46) Aroclor 1260 (6)	10.013	6505242	1111.200 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

10/25/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 9:47
 Operator : MJB / KAK
 Sample : 9J25014-CAL6
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:28:44 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

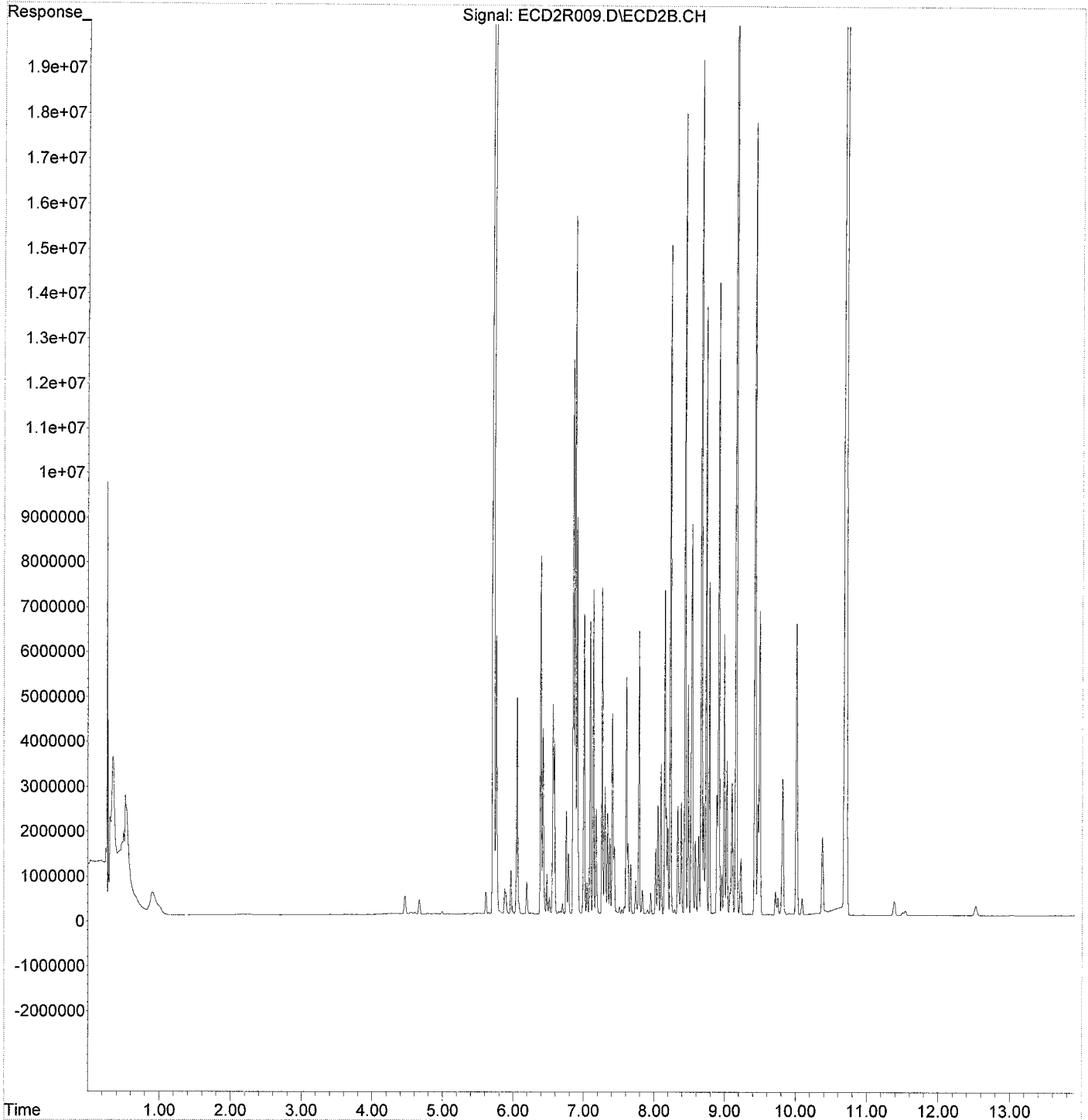
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 9:47
Operator : MJB / KAK
Sample : 9J25014-CAL6
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:28:44 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:05
 Operator : MJB / KAK
 Sample : 9J25014-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:30:01 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.728	201965239	812.576 ng/ml
62) S DCBP (S)	10.704	143670457	1147.530 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.392	12600734	1629.847 ng/ml
3) Aroclor 1016 (2)	6.881	25560677	1827.179 ng/ml
4) Aroclor 1016 (3)	7.007	11059481	1717.819 ng/ml
5) Aroclor 1016 (4)	7.094	10725098	1711.953 ng/ml
6) Aroclor 1016 (5)	7.138	11742812	1679.148 ng/ml
7) Aroclor 1016 (6)	7.264	11773868	1686.295 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)	8.233	24181558	1820.815 ng/ml
42) Aroclor 1260 (2)	8.439	30034445	1800.708 ng/ml
43) Aroclor 1260 (3)	8.671	31203805	1852.936 ng/ml
44) Aroclor 1260 (4)	9.162	51214030	1976.685 ng/ml
45) Aroclor 1260 (5)	9.429	28580187	1887.100 ng/ml
46) Aroclor 1260 (6)	10.014	10934005	1867.704 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:05
 Operator : MJB / KAK
 Sample : 9J25014-CAL7
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 11:30:01 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Jul 17 16:14:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

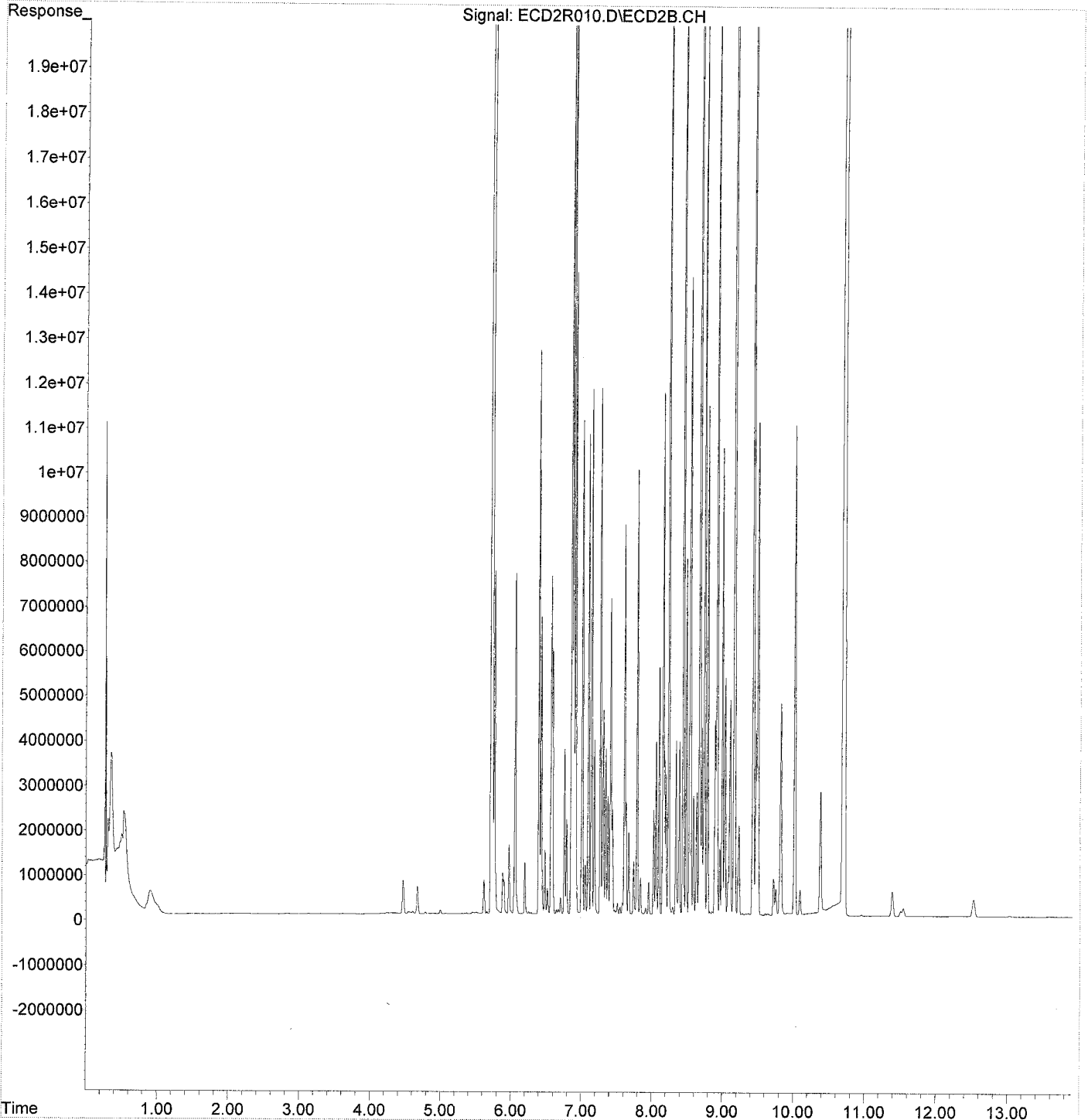
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 10:05
Operator : MJB / KAK
Sample : 9J25014-CAL7
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 11:30:01 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Wed Jul 17 16:14:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:58
 Operator : MJB / KAK
 Sample : 9J25014-CAL8
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:50:36 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:50:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	5.896	1071927	541.278	ng/ml
10) Aroclor 1221 (2)	5.967	1093000	544.283	ng/ml
11) Aroclor 1221 (3)	6.055	3537396	527.577	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
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

Handwritten signature
 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 10:58
 Operator : MJB / KAK
 Sample : 9J25014-CAL8
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:50:36 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:50:30 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

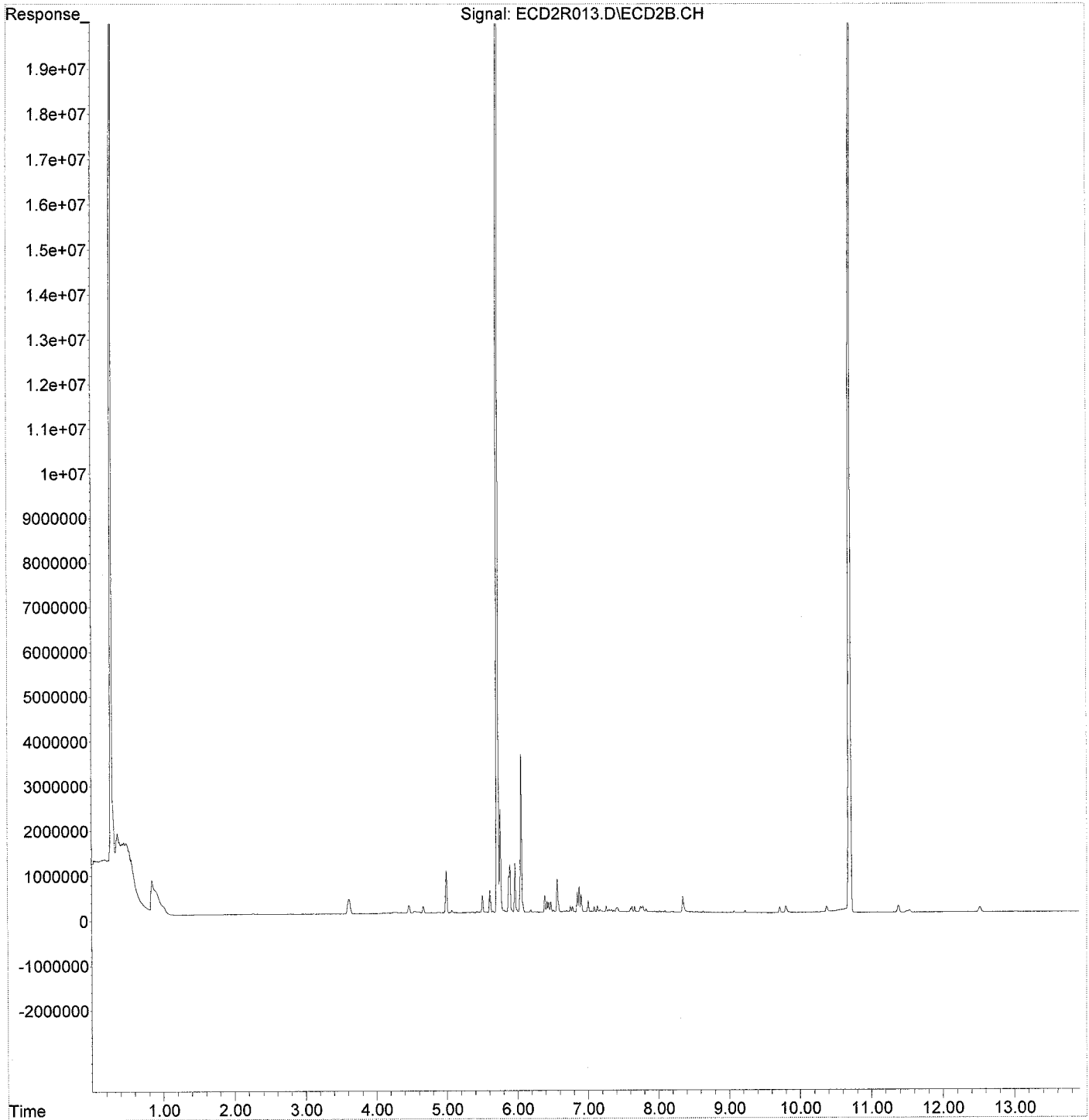
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 10:58
Operator : MJB / KAK
Sample : 9J25014-CAL8
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 12:50:36 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 12:50:30 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 11:15
 Operator : MJB / KAK
 Sample : 9J25014-CAL9
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:52:21 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:52:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.055	2862334	512.765	ng/ml
14) Aroclor 1232 (2)	6.392	1738121	523.606	ng/ml
15) Aroclor 1232 (3)	6.880	3237126	517.302	ng/ml
16) Aroclor 1232 (4)	7.093	1193800	530.360	ng/ml
17) Aroclor 1232 (5)	7.138	1366175	523.404	ng/ml
18) Aroclor 1232 (6)	7.264	1483010	544.466	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
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

MJB
 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 11:15
 Operator : MJB / KAK
 Sample : 9J25014-CAL9
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:52:21 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:52:16 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

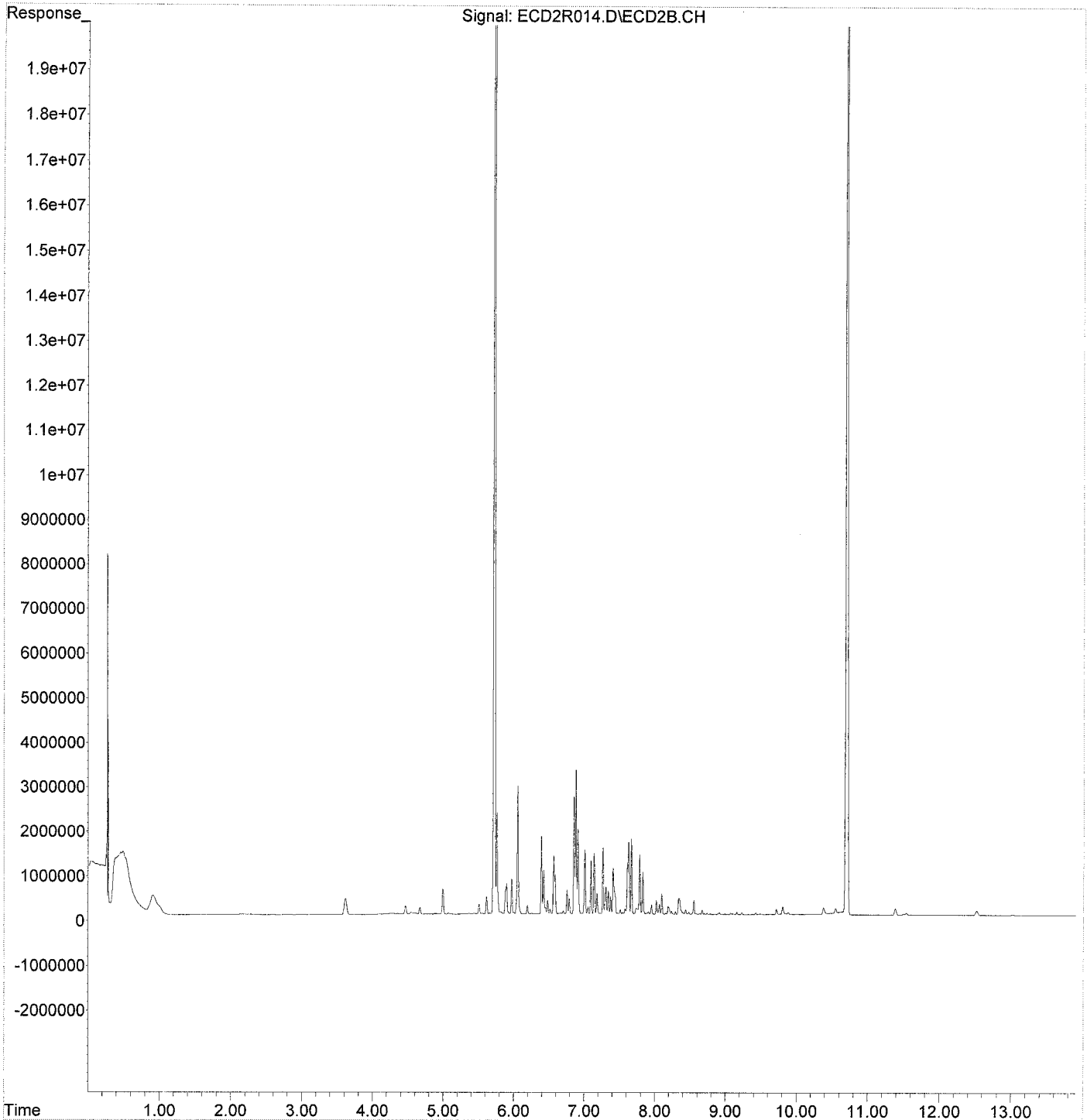
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 11:15
Operator : MJB / KAK
Sample : 9J25014-CAL9
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 12:52:21 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 12:52:16 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 11:33
 Operator : MJB / KAK
 Sample : 9J25014-CALA
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:54:05 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:53:58 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.391	3275732	540.797	ng/ml
21) Aroclor 1242 (2)	6.879	5915868	519.731	ng/ml
22) Aroclor 1242 (3)	7.007	2641225	532.815	ng/ml
23) Aroclor 1242 (4)	7.093	2496367	547.768	ng/ml
24) Aroclor 1242 (5)	7.137	2907034	542.201	ng/ml
25) Aroclor 1242 (6)	7.263	3097542	562.536	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
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

[Handwritten signature]
10/25/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 11:33
 Operator : MJB / KAK
 Sample : 9J25014-CALA
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:54:05 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:53:58 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

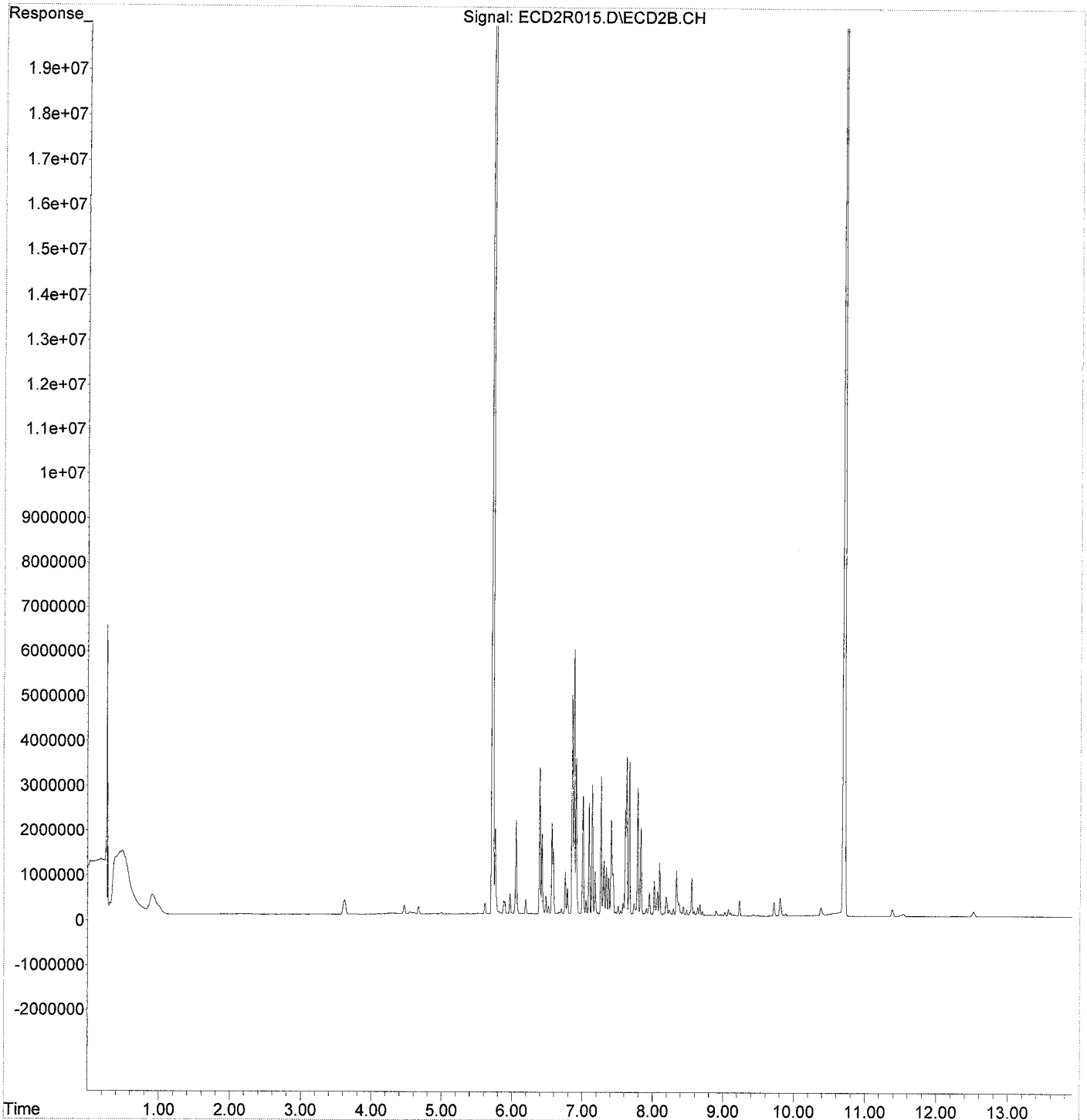
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 11:33
Operator : MJB / KAK
Sample : 9J25014-CALA
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 12:54:05 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 12:53:58 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 11:50
 Operator : MJB / KAK
 Sample : 9J25014-CALB
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:55:47 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:55:39 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.852	3731186	559.086	ng/ml
28) Aroclor 1248 (2)	7.093	4668078	579.689	ng/ml
29) Aroclor 1248 (3)	7.138	4384791	565.533	ng/ml
30) Aroclor 1248 (4)	7.263	5235273	560.126	ng/ml
31) Aroclor 1248 (5)	7.628	6466500	548.888	ng/ml
32) Aroclor 1248 (6)	7.785	5895544	559.858	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
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

Handwritten signature and date: 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 11:50
 Operator : MJB / KAK
 Sample : 9J25014-CALB
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:55:47 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:55:39 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

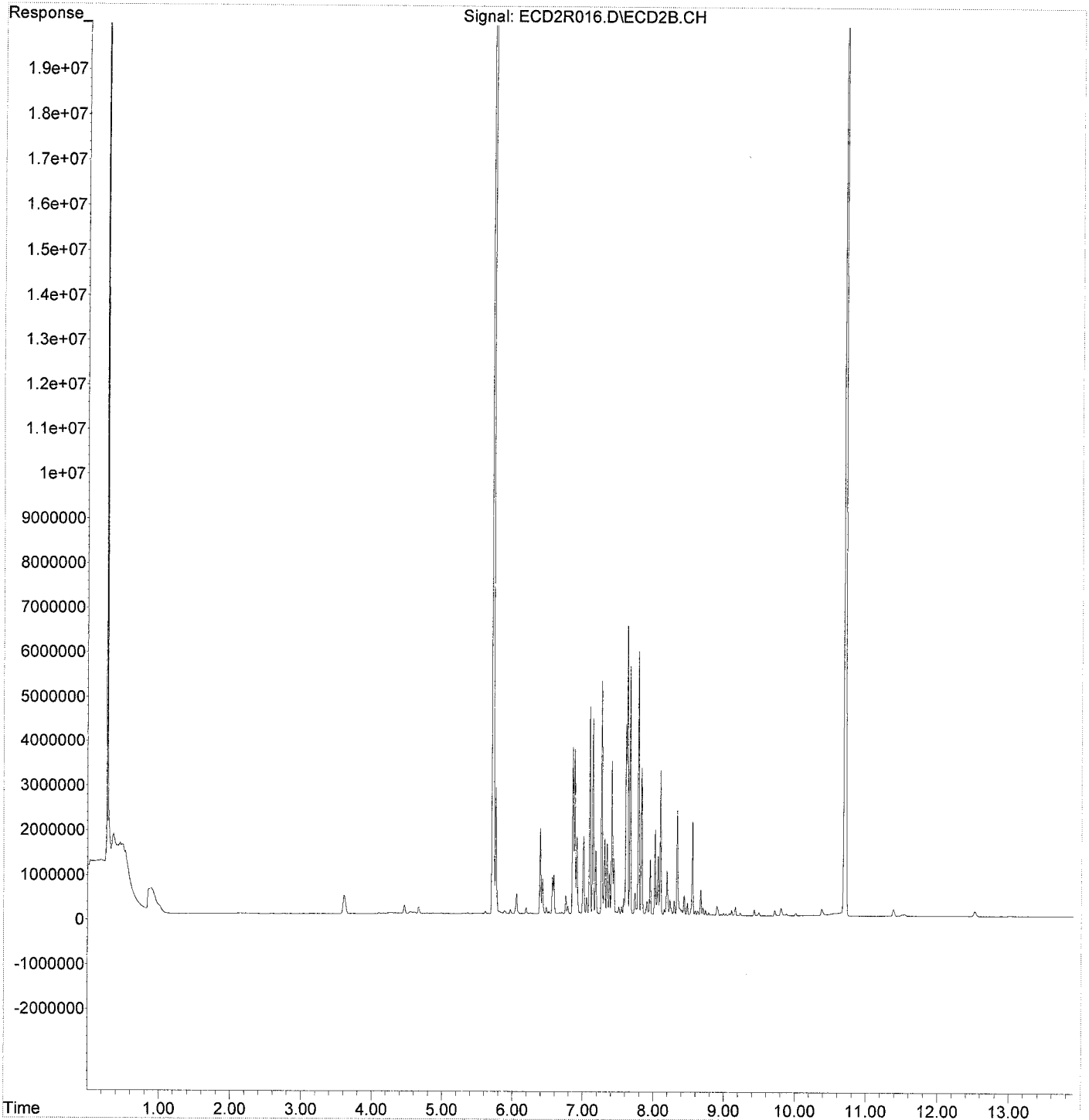
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R016.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 11:50
Operator : MJB / KAK
Sample : 9J25014-CALB
Misc :
ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 12:55:47 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 12:55:39 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 12:08
 Operator : MJB / KAK
 Sample : 9J25014-CALC
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:57:27 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:57:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	7.605	6462528	527.720	ng/ml
35) Aroclor 1254 (2)	7.786	10123790	518.150	ng/ml
36) Aroclor 1254 (3)	8.098	10713849	514.082	ng/ml
37) Aroclor 1254 (4)	8.335	8258291	539.006	ng/ml
38) Aroclor 1254 (5)	8.669	7846578	503.917	ng/ml
39) Aroclor 1254 (6)	8.900	2445074	511.632	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
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

[Handwritten signature]
 10/25/19

Data Path : K:\DATA\9J25014\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 12:08
 Operator : MJB / KAK
 Sample : 9J25014-CALC
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:57:27 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:57:18 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

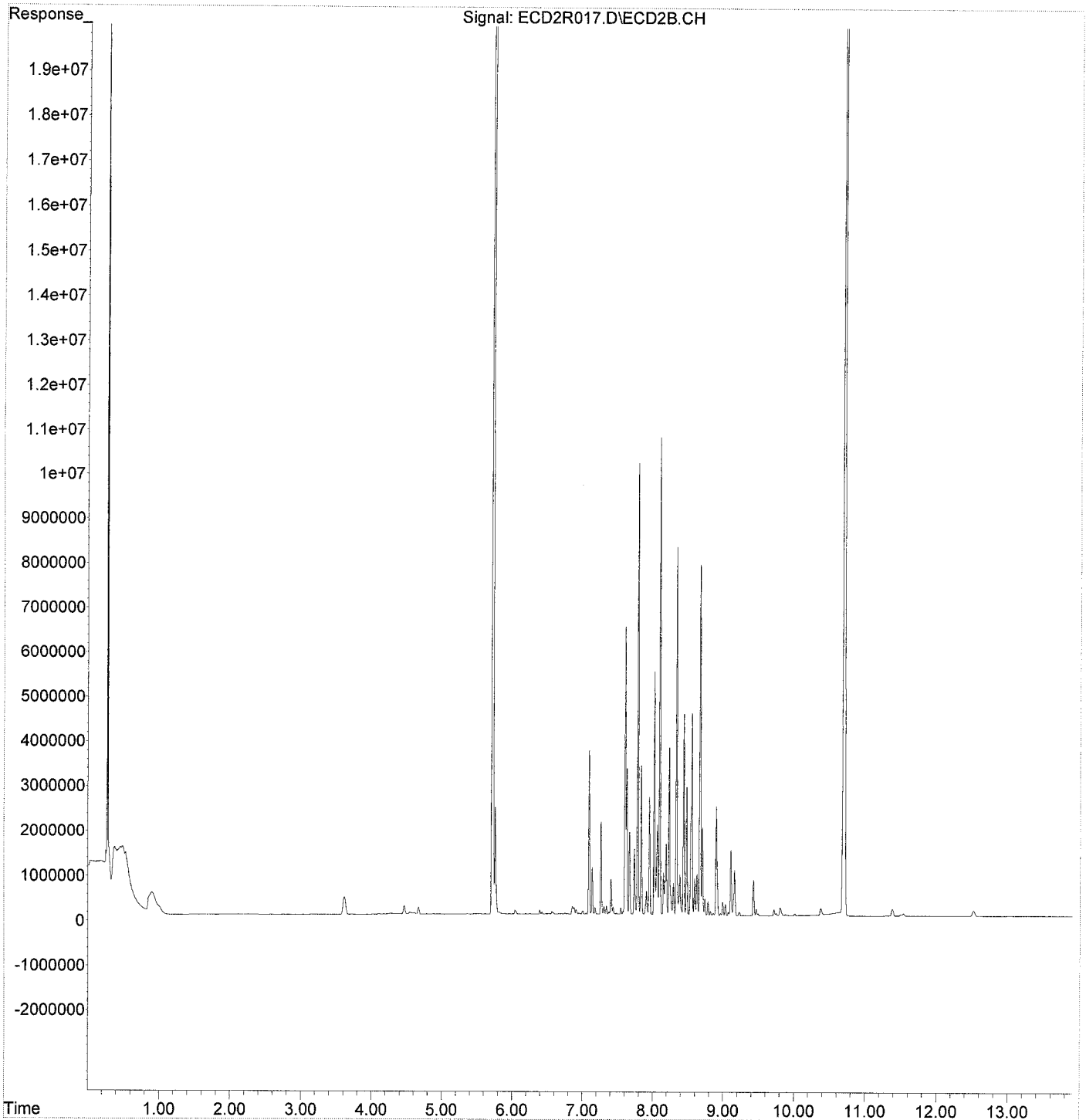
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9J25014\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 12:08
Operator : MJB / KAK
Sample : 9J25014-CALC
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 12:57:27 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 12:57:18 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 12:26
 Operator : MJB / KAK
 Sample : 9J25014-CALD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:59:13 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:59:07 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 10/25/19

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
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

Data Path : K:\DATA\9J25014\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 12:26
 Operator : MJB / KAK
 Sample : 9J25014-CALD
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 12:59:13 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 12:59:07 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.437	7566758	569.057 ng/ml
49) Aroclor 1262 (2)	8.738	10577131	597.440 ng/ml
50) Aroclor 1262 (3)	8.916	8734138	584.406 ng/ml
51) Aroclor 1262 (4)	9.160	17904668	558.345 ng/ml
52) Aroclor 1262 (5)	9.427	10982410	583.745 ng/ml
53) Aroclor 1262 (6)	10.013	4850265	594.558 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

10/25/19

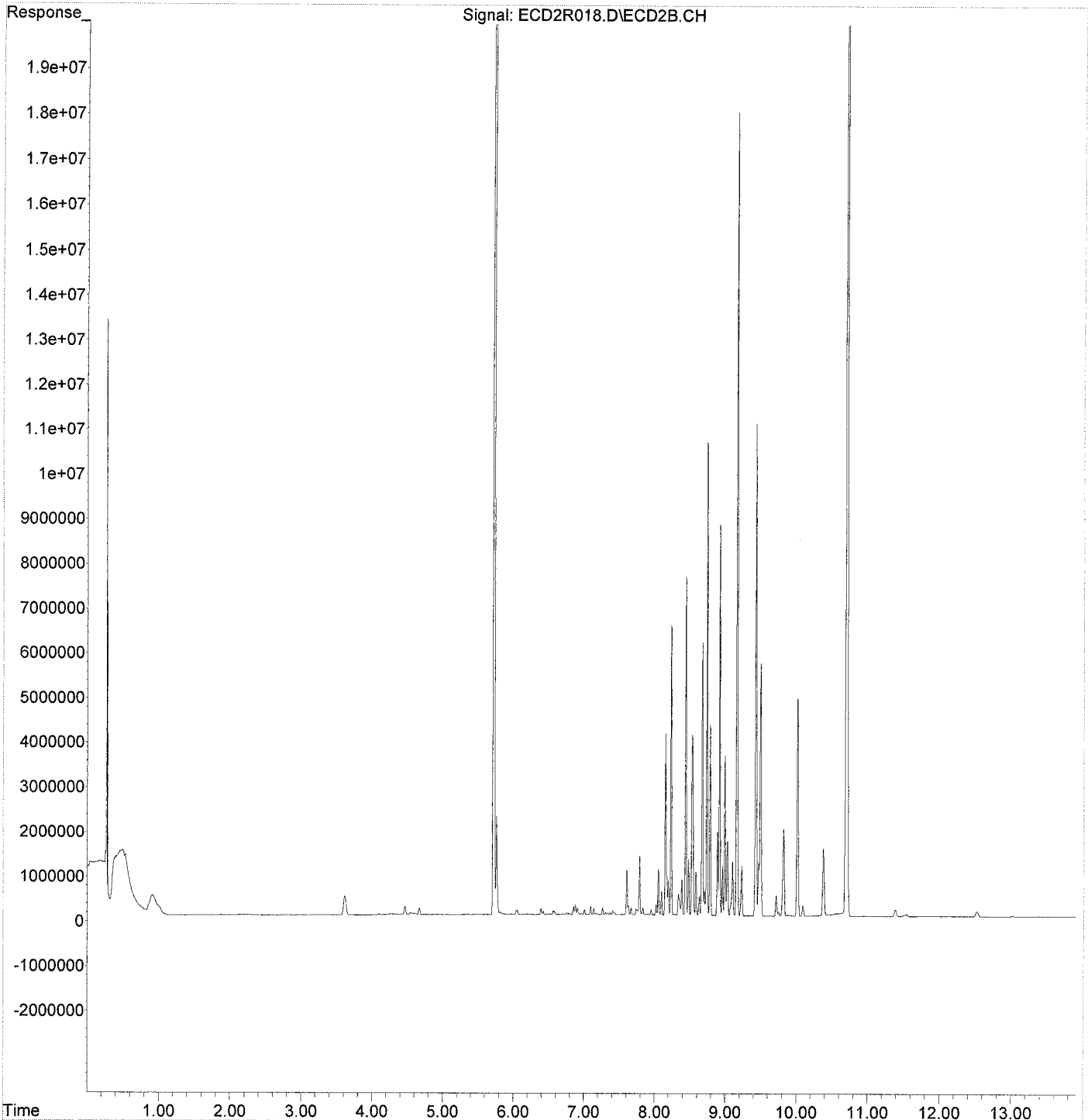
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 12:26
Operator : MJB / KAK
Sample : 9J25014-CALD
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 12:59:13 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 12:59:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9J25014\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 12:43
 Operator : MJB / KAK
 Sample : 9J25014-CALE
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 14:20:35 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:20:23 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 10/25/19

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
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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 25 Oct 2019 12:43
 Operator : MJB / KAK
 Sample : 9J25014-CALE
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Oct 25 14:20:35 2019
 Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:20:23 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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)	8.958	4666678	573.449	ng/ml
56) Aroclor 1268 (2)	9.429	19618102	533.965	ng/ml
57) Aroclor 1268 (3)	9.497	15763573	535.219	ng/ml
58) Aroclor 1268 (4)	9.717	13542645	536.357	ng/ml
59) Aroclor 1268 (5)	10.014	5298091	544.214	ng/ml
60) Aroclor 1268 (6)	10.377	36740370	535.605	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
 10/25/19

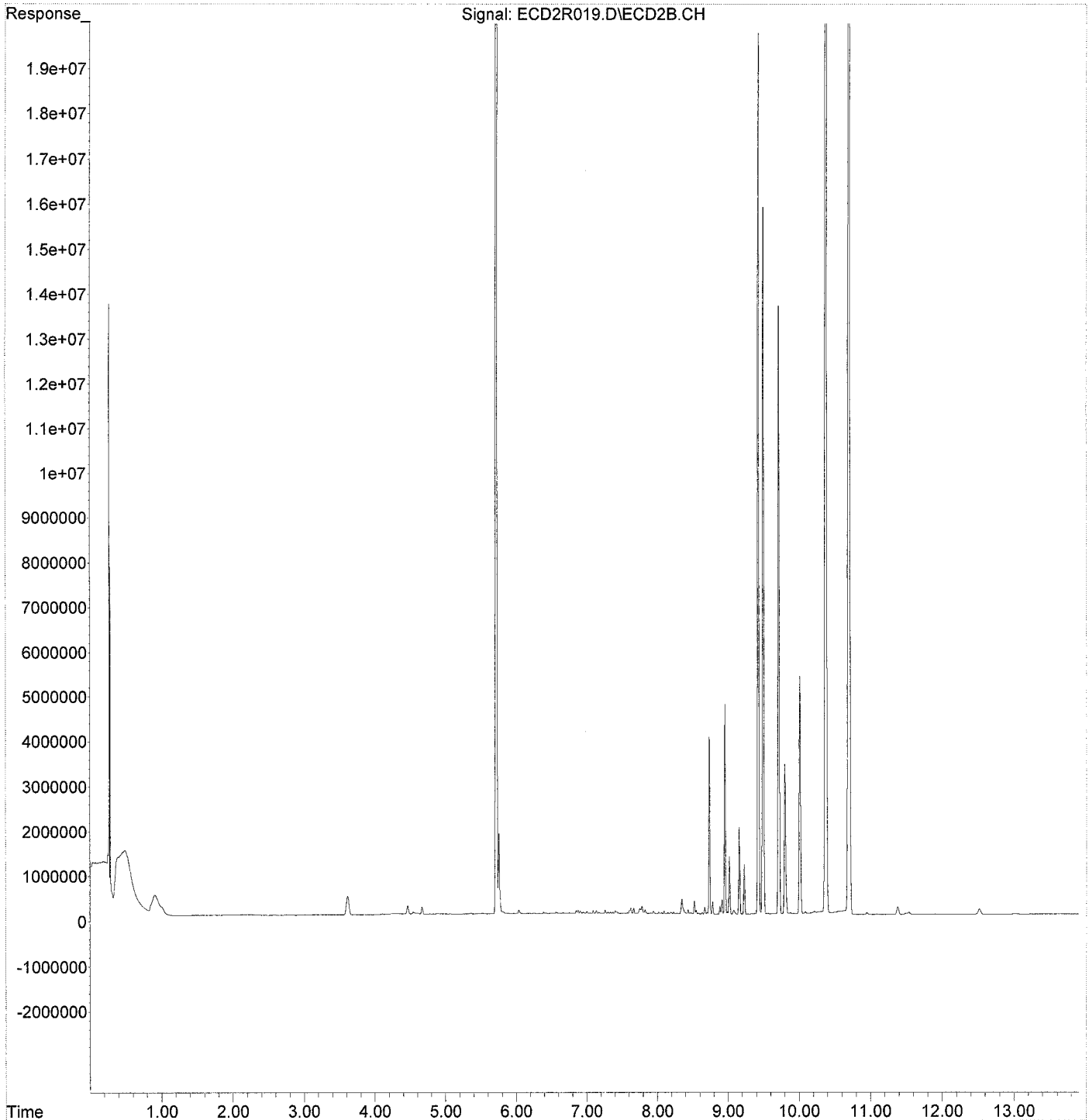
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9J25014\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 25 Oct 2019 12:43
Operator : MJB / KAK
Sample : 9J25014-CALE
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Oct 25 14:20:35 2019
Quant Method : L:\Methods\RECD2_QUANTPCB_191025.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:20:23 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 9L03052 (Cal ID A9L0407) DUALECD2F



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 9L03052

Instrument: DUALECD2F

Date: 12/03/19 16:21

Calibration: A9L0407

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	9L03052-ICB1	Water	QC	QC				A19K026
2	9L03052-CAL1	Water	QC	QC				A19F250
3	9L03052-CAL2	Water	QC	QC				A19F251
4	9L03052-CAL3	Water	QC	QC				A19F252
5	9L03052-CAL4	Water	QC	QC				A19F253
6	9L03052-CAL5	Water	QC	QC				A19F247
7	9L03052-CAL6	Water	QC	QC				A19F248
8	9L03052-CAL7	Water	QC	QC				A19F249
9	9L03052-IBL1	Water	QC	QC				
10	9L03052-ICV1	Water	QC	QC				A19H459
11	9L03052-CAL8	Water	QC	QC				A19H447
12	9L03052-CAL9	Water	QC	QC				A19H448
13	9L03052-CALA	Water	QC	QC				A19H449
14	9L03052-CALB	Water	QC	QC				A19H450
15	9L03052-CALC	Water	QC	QC				A19H451
16	9L03052-CALD	Water	QC	QC				A19H452
17	9L03052-CALE	Water	QC	QC				A19H453
18	9L03052-ICV2	Water	QC	QC				A19H405
19	9L03052-ICV3	Water	QC	QC				A19J367
20	9L03052-ICV4	Water	QC	QC				A19H406
21	9L03052-ICV5	Water	QC	QC				A19L037

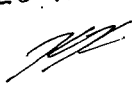
Data Entered By: [Signature] 12/14/19

Comments:

Data Reviewed By: [Signature] 12/19/19

Calibration Status Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_191203.M
 Title : PCB Data Analysis
 Last Update : Wed Dec 04 15:29:22 2019
 Response Via : Initial Calibration

A9L0407
 12/4/19

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\9L03052\ECD2F003.D
2	2	25	0	K:\DATA\9L03052\ECD2F004.D
3	3	50	0	K:\DATA\9L03052\ECD2F005.D
4	4	100	0	K:\DATA\9L03052\ECD2F006.D
5	5	250	0	K:\DATA\9L03052\ECD2F018.D
6	6	500	0	K:\DATA\9L03052\ECD2F008.D
7	7	800	0	K:\DATA\9L03052\ECD2F009.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Dec 04 15:26 2019	Dec 04 14:50 2019	03 Dec 2019 17:04
2	2	Dec 04 15:26 2019	Dec 04 14:51 2019	03 Dec 2019 17:22
3	3	Dec 04 15:27 2019	Dec 04 14:52 2019	03 Dec 2019 17:40
4	4	Dec 04 15:27 2019	Dec 04 14:54 2019	03 Dec 2019 17:57
5	5	Dec 04 15:29 2019	Dec 04 15:14 2019	03 Dec 2019 21:29
6	6	Dec 04 15:27 2019	Dec 04 14:56 2019	03 Dec 2019 18:32
7	7	Dec 04 15:27 2019	Dec 04 14:57 2019	03 Dec 2019 18:50

FECD2_QUANTPCB_191203.M Wed Dec 04 16:46:54 2019

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_191203.M
 Title : PCB Data Analysis
 Last Update : Wed Dec 04 15:29:22 2019
 Response Via : Initial Calibration

Calibration Files

1 =ECD2F003.D 2 =ECD2F004.D 3 =ECD2F005.D
 4 =ECD2F006.D 5 =ECD2F018.D 6 =ECD2F008.D

[Handwritten Signature]
 12/14/19

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	6.079	6.081	6.245	6.243	7.658	6.722	6.659	E4 10.39
2) Aroclor 1016 ...	4.495	3.869	3.742	3.519	3.743	3.364	3.738	E3 10.19 ✓
3) Aroclor 1016 ...	8.056	7.042	7.109	6.630	7.719	6.834	7.194	E3 7.06 ✓
4) Aroclor 1016 ...	4.743	3.990	3.903	3.717	4.044	3.751	3.973	E3 9.28 ✓
5) Aroclor 1016 ...	4.368	3.818	3.564	3.253	3.640	3.257	3.577	E3 11.88 ✓
6) Aroclor 1016 ...	4.872	4.418	4.040	3.837	4.384	3.740	4.151	E3 10.18 ✓
7) Aroclor 1016 (6)	3.414	3.076	2.908	2.718	2.969	2.774	2.933	E3 8.72 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.082		1.082	E3 0.00
10) Aroclor 1221 (2)					7.176		7.176	E2 0.00
11) Aroclor 1221 (3)					2.340		2.340	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					1.776		1.776	E3 0.00
14) Aroclor 1232 (2)					2.780		2.780	E3 0.00
15) Aroclor 1232 (3)					1.467		1.467	E3 0.00
16) Aroclor 1232 (4)					1.139		1.139	E3 0.00
17) Aroclor 1232 (5)					1.436		1.436	E3 0.00
18) Aroclor 1232 (6)					1.198		1.198	E3 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					2.656		2.656	E3 0.00
21) Aroclor 1242 ...					5.187		5.187	E3 0.00
22) Aroclor 1242 ...					2.820		2.820	E3 0.00
23) Aroclor 1242 ...					2.289		2.289	E3 0.00
24) Aroclor 1242 ...					2.985		2.985	E3 0.00
25) Aroclor 1242 (6)					2.509		2.509	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					3.403		3.403	E3 0.00
28) Aroclor 1248 ...					4.515		4.515	E3 0.00
29) Aroclor 1248 ...					5.219		5.219	E3 0.00
30) Aroclor 1248 ...					5.805		5.805	E3 0.00
31) Aroclor 1248 ...					6.159		6.159	E3 0.00
32) Aroclor 1248 (6)					3.417		3.417	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					5.998		5.998	E3 0.00
35) Aroclor 1254 ...					7.288		7.288	E3 0.00
36) Aroclor 1254 ...					1.121		1.121	E4 0.00
37) Aroclor 1254 ...					7.130		7.130	E3 0.00
38) Aroclor 1254 ...					7.659		7.659	E3 0.00
39) Aroclor 1254 (6)					2.494		2.494	E3 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	9.306	8.379	8.424	7.901	8.847	7.808	8.328	E3 7.24 ✓
42) Aroclor 1260 ...	1.127	1.013	1.013	0.961	1.065	0.959	1.020	E4 5.79 ✓
43) Aroclor 1260 (3)	8.939	8.042	8.022	7.279	7.996	7.355	7.865	E3 7.39 ✓
44) Aroclor 1260 (4)	1.870	1.889	1.833	1.808	2.018	1.771	1.862	E4 4.24 ✓
45) Aroclor 1260 (5)	1.271	1.231	1.222	1.136	1.258	1.158	1.210	E4 4.14 ✓
46) Aroclor 1260 (6)	5.766	5.178	5.115	4.649	5.398	4.726	5.115	E3 7.56 ✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					8.046		8.046	E3 0.00
49) Aroclor 1262 (2)					1.123		1.123	E4 0.00
50) Aroclor 1262 (3)					9.705		9.705	E3 0.00
51) Aroclor 1262 (4)					2.066		2.066	E4 0.00
52) Aroclor 1262 (5)					1.308		1.308	E4 0.00
53) Aroclor 1262 (6)					6.677		6.677	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					5.104		5.104	E3 0.00
56) Aroclor 1268 (2)					2.453		2.453	E4 0.00
57) Aroclor 1268 (3)					2.041		2.041	E4 0.00
58) Aroclor 1268 (4)					1.915		1.915	E4 0.00
59) Aroclor 1268 (5)					7.750		7.750	E3 0.00
60) Aroclor 1268 (6)					5.228		5.228	E4 0.00

Response Factor Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_191203.M
 Title : PCB Data Analysis
 Last Update : Wed Dec 04 15:29:22 2019
 Response Via : Initial Calibration

Calibration Files

1	=ECD2F003.D	2	=ECD2F004.D	3	=ECD2F005.D
4	=ECD2F006.D	5	=ECD2F018.D	6	=ECD2F008.D

Compound	1	2	3	4	5	6	Avg	%RSD
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	1.085	1.080	1.138	1.058	1.243	1.098	1.117 E5	5.50 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : K:\METHODS\
 Method File : FECD2_QUANTPCB_191203.M
 Title : PCB Data Analysis
 Last Update : Wed Dec 04 15:29:22 2019
 Response Via : Initial Calibration

Handwritten signature
 12/14/19

Total Cpnds : 62

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	4.811	1.000	A	H	L
2	Aroclor 1016 (1)	5.729	1.000	A	H	R
3	Aroclor 1016 (2)	6.143	1.000	A	H	R
4	Aroclor 1016 (3)	6.225	1.000	A	H	R
5	Aroclor 1016 (4)	6.382	1.000	A	H	R
6	Aroclor 1016 (5)	6.604	1.000	A	H	R
7	Aroclor 1016 (6)	6.730	1.000	A	H	R
8	Aroclor 1016 - AVE	0.749	1.000	A	H	R
9	Aroclor 1221 (1)	5.167	1.000	A	H	R
10	Aroclor 1221 (2)	5.285	1.000	A	H	R
11	Aroclor 1221 (3)	5.366	1.000	A	H	R
12	Aroclor 1221 - AVE	0.749	1.000	A	H	R
13	Aroclor 1232 (1)	5.367	1.000	A	H	R
14	Aroclor 1232 (2)	6.142	1.000	A	H	R
15	Aroclor 1232 (3)	6.225	1.000	A	H	R
16	Aroclor 1232 (4)	6.381	1.000	A	H	R
17	Aroclor 1232 (5)	6.603	1.000	A	H	R
18	Aroclor 1232 (6)	6.730	1.000	A	H	R
19	Aroclor 1232 - AVE	0.749	1.000	A	H	R
20	Aroclor 1242 (1)	5.728	1.000	A	H	R
21	Aroclor 1242 (2)	6.141	1.000	A	H	R
22	Aroclor 1242 (3)	6.224	1.000	A	H	R
23	Aroclor 1242 (4)	6.380	1.000	A	H	R
24	Aroclor 1242 (5)	6.603	1.000	A	H	R
25	Aroclor 1242 (6)	6.728	1.000	A	H	R
26	Aroclor 1242 - AVE	0.749	1.000	A	H	R
27	Aroclor 1248 (1)	6.131	1.000	A	H	R
28	Aroclor 1248 (2)	6.380	1.000	A	H	R
29	Aroclor 1248 (3)	6.601	1.000	A	H	R
30	Aroclor 1248 (4)	6.897	1.000	A	H	R
31	Aroclor 1248 (5)	6.934	1.000	A	H	R
32	Aroclor 1248 (6)	7.411	1.000	A	H	R
33	Aroclor 1248 - AVE	0.749	1.000	A	H	R
34	Aroclor 1254 (1)	6.930	1.000	A	H	R
35	Aroclor 1254 (2)	7.040	1.000	A	H	R
36	Aroclor 1254 (3)	7.412	1.000	A	H	R
37	Aroclor 1254 (4)	7.577	1.000	A	H	R
38	Aroclor 1254 (5)	7.958	1.000	A	H	R
39	Aroclor 1254 (6)	8.250	1.000	A	H	R
40	Aroclor 1254 - AVE	0.749	1.000	A	H	R
41	Aroclor 1260 (1)	7.532	1.000	A	H	R
42	Aroclor 1260 (2)	7.665	1.000	A	H	R
43	Aroclor 1260 (3)	8.221	1.000	A	H	R
44	Aroclor 1260 (4)	8.391	1.000	A	H	R
45	Aroclor 1260 (5)	8.690	1.000	A	H	R
46	Aroclor 1260 (6)	9.082	1.000	A	H	R
47	Aroclor 1260 - AVE	0.749	1.000	A	H	R
48	Aroclor 1262 (1)	7.664	1.000	A	H	R
49	Aroclor 1262 (2)	7.988	1.000	A	H	R
50	Aroclor 1262 (3)	8.220	1.000	A	H	R
51	Aroclor 1262 (4)	8.390	1.000	A	H	R
52	Aroclor 1262 (5)	8.688	1.000	A	H	R
53	Aroclor 1262 (6)	9.081	1.000	A	H	R
54	Aroclor 1262 - AVE	0.749	1.000	A	H	R
55	Aroclor 1268 (1)	8.212	1.000	A	H	R
56	Aroclor 1268 (2)	8.637	1.000	A	H	R

57	Aroclor 1268 (3)	8.685	1.000	A	H	R
58	Aroclor 1268 (4)	8.867	1.000	A	H	R
59	Aroclor 1268 (5)	9.080	1.000	A	H	R
60	Aroclor 1268 (6)	9.340	1.000	A	H	R
61	Aroclor 1268 - AVE	0.752	1.000	A	H	R
62	S DCBP (S)	9.578	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_191203.M Wed Dec 04 16:46:45 2019

Element Calibration Review Sheet

Calibration ID: **A9L0407**

Instrument: **DUALECD2F**

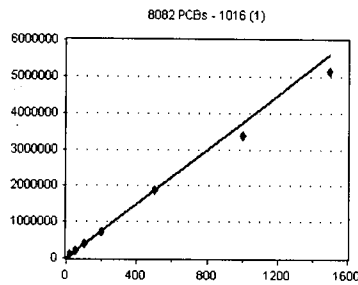
Calibration Date: **12/04/2019**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_19120**

1016 (1)

Curve Fit: **AVERAGE RF**

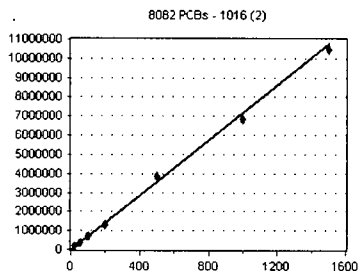


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	89904	4495.200	5.73
9L03052-CAL2	50	193429	3868.580	5.73
9L03052-CAL3	100	374224	3742.240	5.73
9L03052-CAL4	200	703735	3518.675	5.73
9L03052-CAL5	500	1871482	3742.964	5.73
9L03052-CAL6	1000	3364096	3364.096	5.73
9L03052-CAL7	1500	5150886	3433.924	5.73

AVE RF 3737.954 **RF RSD** 10.19 **AVE RT** 5.73

1016 (2)

Curve Fit: **AVERAGE RF**

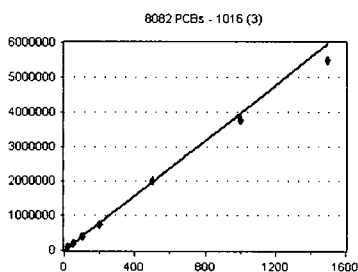


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	161114	8055.700	6.14
9L03052-CAL2	50	352080	7041.600	6.14
9L03052-CAL3	100	710924	7109.240	6.14
9L03052-CAL4	200	1325963	6629.815	6.14
9L03052-CAL5	500	3859736	7719.472	6.14
9L03052-CAL6	1000	6834377	6834.377	6.14
9L03052-CAL7	1500	045072E+07	6967.146	6.14

AVE RF 7193.907 **RF RSD** 7.06 **AVE RT** 6.14

1016 (3)

Curve Fit: **AVERAGE RF**

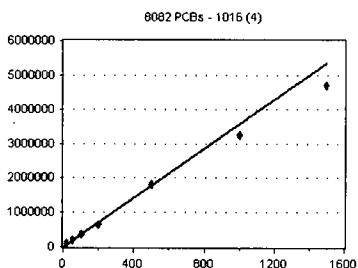


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	94866	4743.300	6.23
9L03052-CAL2	50	199490	3989.800	6.23
9L03052-CAL3	100	390273	3902.730	6.23
9L03052-CAL4	200	743377	3716.885	6.22
9L03052-CAL5	500	2022155	4044.310	6.23
9L03052-CAL6	1000	3751237	3751.237	6.23
9L03052-CAL7	1500	5493308	3662.205	6.22

AVE RF 3972.924 **RF RSD** 9.28 **AVE RT** 6.22

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	87352	4367.600	6.38
9L03052-CAL2	50	190893	3817.860	6.38
9L03052-CAL3	100	356425	3564.250	6.38
9L03052-CAL4	200	650662	3253.310	6.38
9L03052-CAL5	500	1820005	3640.010	6.38
9L03052-CAL6	1000	3257104	3257.104	6.38
9L03052-CAL7	1500	4711985	3141.323	6.38

AVE RF 3577.351 **RF RSD** 11.88 **AVE RT** 6.38

Element Calibration Review Sheet

Calibration ID: **A9L0407**

Instrument: **DUALECD2F**

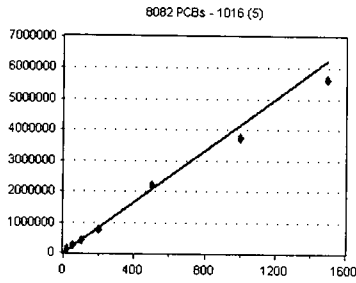
Calibration Date: **12/04/2019**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_19120**

1016 (5)

Curve Fit: **AVERAGE RF**

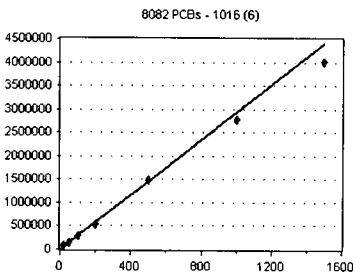


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	97448	4872.400	6.60
9L03052-CAL2	50	220902	4418.040	6.60
9L03052-CAL3	100	404011	4040.110	6.60
9L03052-CAL4	200	767420	3837.100	6.60
9L03052-CAL5	500	2192154	4384.308	6.60
9L03052-CAL6	1000	3740486	3740.486	6.60
9L03052-CAL7	1500	5651954	3767.969	6.60

AVE RF 4151.488 **RF RSD** 10.18 **AVE RT** 6.60

1016 (6)

Curve Fit: **AVERAGE RF**

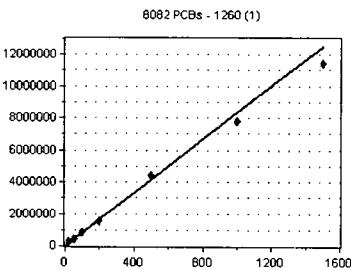


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	68287	3414.350	6.73
9L03052-CAL2	50	153783	3075.660	6.73
9L03052-CAL3	100	290789	2907.890	6.73
9L03052-CAL4	200	543631	2718.155	6.73
9L03052-CAL5	500	1484483	2968.966	6.73
9L03052-CAL6	1000	2774363	2774.363	6.73
9L03052-CAL7	1500	4009865	2673.243	6.73

AVE RF 2933.232 **RF RSD** 8.72 **AVE RT** 6.73

1260 (1)

Curve Fit: **AVERAGE RF**

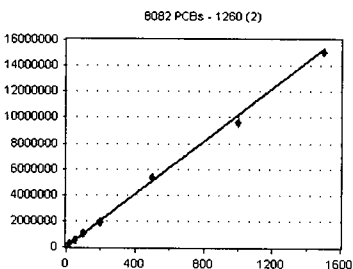


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	186119	9305.950	7.53
9L03052-CAL2	50	418936	8378.720	7.53
9L03052-CAL3	100	842440	8424.400	7.53
9L03052-CAL4	200	1580165	7900.825	7.53
9L03052-CAL5	500	4423699	8847.398	7.53
9L03052-CAL6	1000	7808345	7808.345	7.53
9L03052-CAL7	1500	144334E+07	7628.894	7.53

AVE RF 8327.790 **RF RSD** 7.24 **AVE RT** 7.53

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	225314	11265.700	7.67
9L03052-CAL2	50	506688	10133.760	7.67
9L03052-CAL3	100	1012879	10128.790	7.67
9L03052-CAL4	200	1922759	9613.795	7.67
9L03052-CAL5	500	5325133	10650.270	7.67
9L03052-CAL6	1000	9589273	9589.273	7.67
9L03052-CAL7	1500	505274E+07	10035.160	7.67

AVE RF 10202.390 **RF RSD** 5.79 **AVE RT** 7.67

Element Calibration Review Sheet

Calibration ID: **A9L0407**

Instrument: **DUALECD2F**

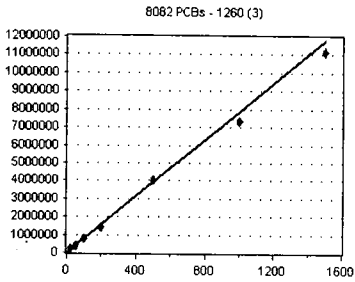
Calibration Date: **12/04/2019**

Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_19120**

1260 (3)

Curve Fit: **AVERAGE RF**

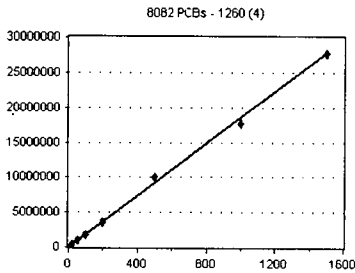


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	178776	8938.800	8.22
9L03052-CAL2	50	402124	8042.480	8.22
9L03052-CAL3	100	802199	8021.990	8.22
9L03052-CAL4	200	1455817	7279.085	8.22
9L03052-CAL5	500	3997829	7995.658	8.22
9L03052-CAL6	1000	7355010	7355.010	8.22
9L03052-CAL7	1500	113463E+07	7423.086	8.22

AVE RF 7865.158 **RF RSD** 7.39 **AVE RT** 8.22

1260 (4)

Curve Fit: **AVERAGE RF**

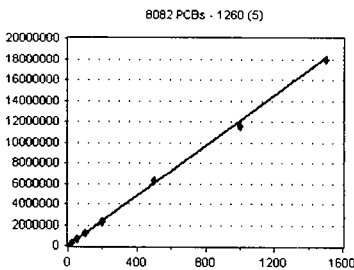


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	374030	18701.500	8.39
9L03052-CAL2	50	944538	18890.760	8.39
9L03052-CAL3	100	1832880	18328.800	8.39
9L03052-CAL4	200	3616251	18081.260	8.39
9L03052-CAL5	500	008925E+07	20178.500	8.39
9L03052-CAL6	1000	.77085E+07	17708.500	8.39
9L03052-CAL7	1500	765995E+07	18439.970	8.39

AVE RF 18618.470 **RF RSD** 4.24 **AVE RT** 8.39

1260 (5)

Curve Fit: **AVERAGE RF**

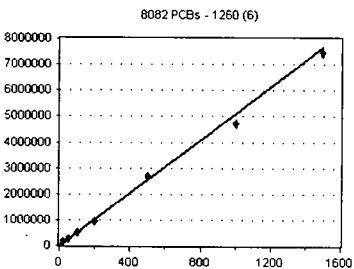


Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	254106	12705.300	8.69
9L03052-CAL2	50	615297	12305.940	8.69
9L03052-CAL3	100	1221637	12216.370	8.69
9L03052-CAL4	200	2271341	11356.710	8.69
9L03052-CAL5	500	6288943	12577.890	8.69
9L03052-CAL6	1000	158015E+07	11580.150	8.69
9L03052-CAL7	1500	789422E+07	11929.480	8.69

AVE RF 12095.980 **RF RSD** 4.14 **AVE RT** 8.69

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
9L03052-CAL1	20	115322	5766.100	9.08
9L03052-CAL2	50	258919	5178.380	9.08
9L03052-CAL3	100	511487	5114.870	9.08
9L03052-CAL4	200	929790	4648.950	9.08
9L03052-CAL5	500	2699039	5398.078	9.08
9L03052-CAL6	1000	4725786	4725.786	9.08
9L03052-CAL7	1500	7455071	4970.047	9.08

AVE RF 5114.602 **RF RSD** 7.56 **AVE RT** 9.08

Element Calibration Review Sheet

Calibration ID: **A9L0407**

Instrument: **DUALECD2F**

Calibration Date: **12/04/2019**

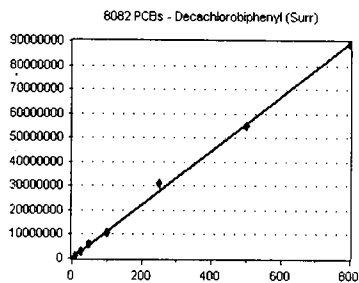
Analysis: **8082 PCBs**

Instrument Cal ID: **FECD2_QUANTPCB_19120**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**

<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
9L03052-CAL1	10	1085395	108539.500	9.58
9L03052-CAL2	25	2699632	107985.300	9.58
9L03052-CAL3	50	5688932	113778.600	9.58
9L03052-CAL4	100	057786E+07	105778.600	9.58
9L03052-CAL5	250	108338E+07	124333.500	9.58
9L03052-CAL6	500	490382E+07	109807.600	9.58
9L03052-CAL7	800	920232E+07	111502.900	9.58



AVE RF **111675.200** RF RSD **5.50** AVE RT **9.58**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9L03052

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) +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>
9L03052-ICB1	Initial Cal Blank	Water	A19K026		12/3/2019 4:47:00PM
9L03052-CAL1	Cal Standard	Water	A19F250	"	12/3/2019 5:04:00PM
9L03052-CAL2	Cal Standard	Water	A19F251	"	12/3/2019 5:22:00PM
9L03052-CAL3	Cal Standard	Water	A19F252	"	12/3/2019 5:40:00PM
9L03052-CAL4	Cal Standard	Water	A19F253	"	12/3/2019 5:57:00PM
9L03052-CAL5	Cal Standard	Water	A19F247	"	12/3/2019 6:15:00PM
9L03052-CAL6	Cal Standard	Water	A19F248	"	12/3/2019 6:32:00PM
9L03052-CAL7	Cal Standard	Water	A19F249	"	12/3/2019 6:50:00PM
9L03052-ICV1	Initial Cal Check	Water	A19H459	"	12/3/2019 7:25:00PM
9L03052-CAL8	Cal Standard	Water	A19H447	"	12/3/2019 7:43:00PM
9L03052-CAL9	Cal Standard	Water	A19H448	"	12/3/2019 8:01:00PM
9L03052-CALA	Cal Standard	Water	A19H449	"	12/3/2019 8:18:00PM
9L03052-CALB	Cal Standard	Water	A19H450	"	12/3/2019 8:36:00PM
9L03052-CALC	Cal Standard	Water	A19H451	"	12/3/2019 8:53:00PM
9L03052-CALD	Cal Standard	Water	A19H452	"	12/3/2019 9:11:00PM
9L03052-CALE	Cal Standard	Water	A19H453	"	12/3/2019 9:29:00PM
9L03052-ICV2	Initial Cal Check	Water	A19H405	"	12/3/2019 9:46:00PM
9L03052-ICV3	Initial Cal Check	Water	A19J367	"	12/3/2019 10:04:00PM
9L03052-ICV4	Initial Cal Check	Water	A19H406	"	12/3/2019 10:21:00PM
9L03052-ICV5	Initial Cal Check	Water	A19L037	"	12/3/2019 10:39:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: A9L0407

Instrument: DUALECD2F

1311/8082 TCLP PCBs

Sequence: 9L03052

Matrix: Water

9L03052-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	

9L03052-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: 9L03052

Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-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	
9L03052-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9L03052

9L03052-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	
9L03052-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: **A9L0407**

Instrument: **DUALECD2F**

8082 PCBs

Sequence: **9L03052**

Matrix: **Water**

9L03052-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)		500	338.20	68	
1260 (6)		500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	
1260 (6)	20	500	338.20	68	

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 : K:\DATA\9L03052\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 16:47
 Operator : MJB / KAK
 Sample : 9L03052-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:12 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

12/4/19
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.809	6338084	95.184 ng/ml
62) S DCBP (S)	9.578	10758324	96.336 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.730	2193	0.587 ng/ml
3) Aroclor 1016 (2)	6.146	1281	0.178 ng/ml
4) Aroclor 1016 (3)	6.226	1076	0.271 ng/ml
5) Aroclor 1016 (4)	6.380	447	0.125 ng/ml
6) Aroclor 1016 (5)	6.607	951	0.229 ng/ml
7) Aroclor 1016 (6)	6.731	562	0.191 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.162	6620	6.116 ng/ml
10) Aroclor 1221 (2)	5.300	5965	8.313 ng/ml
11) Aroclor 1221 (3)	5.361	4965	2.122 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.371	4826	2.717 ng/ml
14) Aroclor 1232 (2)	6.146	1281	0.461 ng/ml
15) Aroclor 1232 (3)	6.226	1076	0.733 ng/ml
16) Aroclor 1232 (4)	6.380	447	0.392 ng/ml
17) Aroclor 1232 (5)	6.607	951	0.662 ng/ml
18) Aroclor 1232 (6)	6.731	562	0.469 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.730	2193	0.826 ng/ml
21) Aroclor 1242 (2)	6.137	1320	0.255 ng/ml
22) Aroclor 1242 (3)	6.226	1076	0.382 ng/ml
23) Aroclor 1242 (4)	6.380	447	0.195 ng/ml
24) Aroclor 1242 (5)	6.607	951	0.319 ng/ml
25) Aroclor 1242 (6)	6.731	562	0.224 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.130	1280	0.376 ng/ml
28) Aroclor 1248 (2)	6.380	447	0.099 ng/ml
29) Aroclor 1248 (3)	6.598	1020	0.196 ng/ml
30) Aroclor 1248 (4)	6.903	924	0.159 ng/ml
31) Aroclor 1248 (5)	6.933	1036	0.168 ng/ml
32) Aroclor 1248 (6)	7.414	1315	0.385 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.933	1036	0.173 ng/ml
35) Aroclor 1254 (2)	7.027	397	0.054 ng/ml
36) Aroclor 1254 (3)	7.414	1315	0.117 ng/ml
37) Aroclor 1254 (4)	7.581	1251	0.175 ng/ml
38) Aroclor 1254 (5)	7.969	3567	0.466 ng/ml
39) Aroclor 1254 (6)	8.251	439	0.176 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.530	1532	0.184 ng/ml
42) Aroclor 1260 (2)	7.661	810	0.079 ng/ml
43) Aroclor 1260 (3)	8.220	1016	0.129 ng/ml
44) Aroclor 1260 (4)	8.387	4410	0.237 ng/ml
45) Aroclor 1260 (5)	8.693	3008	0.249 ng/ml
46) Aroclor 1260 (6)	9.084	3317	0.648 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F002.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 16:47
 Operator : MJB / KAK
 Sample : 9L03052-ICB1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:12 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

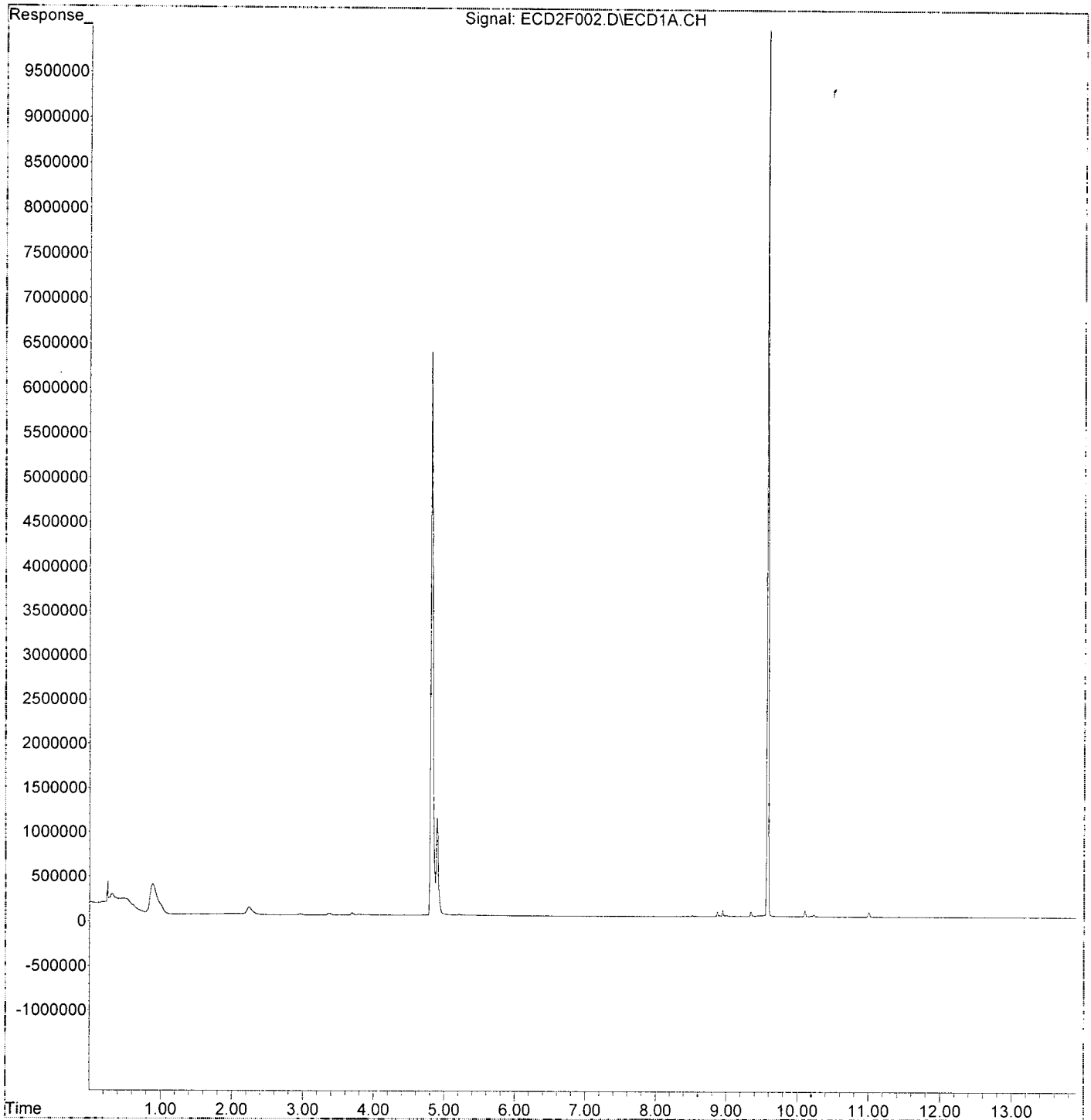
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.661	810	0.101 ng/ml
49) Aroclor 1262 (2)	7.993	631	0.056 ng/ml
50) Aroclor 1262 (3)	8.220	1016	0.105 ng/ml
51) Aroclor 1262 (4)	8.387	4410	0.213 ng/ml
52) Aroclor 1262 (5)	8.693	3008	0.230 ng/ml
53) Aroclor 1262 (6)	9.084	3317	0.497 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.220	1016	0.199 ng/ml
56) Aroclor 1268 (2)	8.643	2303	0.094 ng/ml
57) Aroclor 1268 (3)	8.693	3008	0.147 ng/ml
58) Aroclor 1268 (4)	8.870	57632	3.009 ng/ml
59) Aroclor 1268 (5)	9.078	3271	0.422 ng/ml
60) Aroclor 1268 (6)	9.344	58231	1.114 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F002.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 16:47
Operator : MJB / KAK
Sample : 9L03052-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:46:12 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 19:08
 Operator : MJB / KAK
 Sample : 9L03052-~~1211~~
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:27 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 12/4/19

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.737f	12545	0.188 ng/ml
62) S DCBP (S)	9.577	25002	0.224 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.752	12668	3.389 ng/ml
3) Aroclor 1016 (2)	6.145	16520	2.296 ng/ml
4) Aroclor 1016 (3)	6.237	10133	2.550 ng/ml
5) Aroclor 1016 (4)	6.391	8879	2.482 ng/ml
6) Aroclor 1016 (5)	6.610	12655	3.048 ng/ml
7) Aroclor 1016 (6)	6.735	9348	3.187 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.136	3825	3.533 ng/ml
10) Aroclor 1221 (2)	5.250	9695	13.511 ng/ml
11) Aroclor 1221 (3)	5.363	4759	2.034 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.363	4759	2.679 ng/ml
14) Aroclor 1232 (2)	6.145	16520	5.942 ng/ml
15) Aroclor 1232 (3)	6.237	10133	6.907 ng/ml
16) Aroclor 1232 (4)	6.391	8879	7.793 ng/ml
17) Aroclor 1232 (5)	6.610	12655	8.813 ng/ml
18) Aroclor 1232 (6)	6.735	9348	7.802 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.703	6298	2.371 ng/ml
21) Aroclor 1242 (2)	6.145	16520	3.185 ng/ml
22) Aroclor 1242 (3)	6.211	2588	0.918 ng/ml
23) Aroclor 1242 (4)	6.391	8879	3.879 ng/ml
24) Aroclor 1242 (5)	6.610	12655	4.240 ng/ml
25) Aroclor 1242 (6)	6.735	9348	3.725 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.145	16520	4.854 ng/ml
28) Aroclor 1248 (2)	6.391	8879	1.966 ng/ml
29) Aroclor 1248 (3)	6.610	12655	2.425 ng/ml
30) Aroclor 1248 (4)	6.901	6862	1.182 ng/ml
31) Aroclor 1248 (5)	6.936	6915	1.123 ng/ml
32) Aroclor 1248 (6)	7.418	9012	2.637 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.936	6915	1.153 ng/ml
35) Aroclor 1254 (2)	7.044	8240	1.131 ng/ml
36) Aroclor 1254 (3)	7.418	9012	0.804 ng/ml
37) Aroclor 1254 (4)	7.580	6917	0.970 ng/ml
38) Aroclor 1254 (5)	7.959	19034	2.485 ng/ml
39) Aroclor 1254 (6)	8.250	3740	1.500 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.532	14399	1.729 ng/ml
42) Aroclor 1260 (2)	7.666	25104	2.461 ng/ml
43) Aroclor 1260 (3)	8.222	9877	1.256 ng/ml
44) Aroclor 1260 (4)	8.392	31578	1.696 ng/ml
45) Aroclor 1260 (5)	8.690	20342	1.682 ng/ml
46) Aroclor 1260 (6)	9.082	8134	1.590 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

← MDL

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F010.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 19:08
 Operator : MJB / KAK
 Sample : 9L03052-IBL1
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:27 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

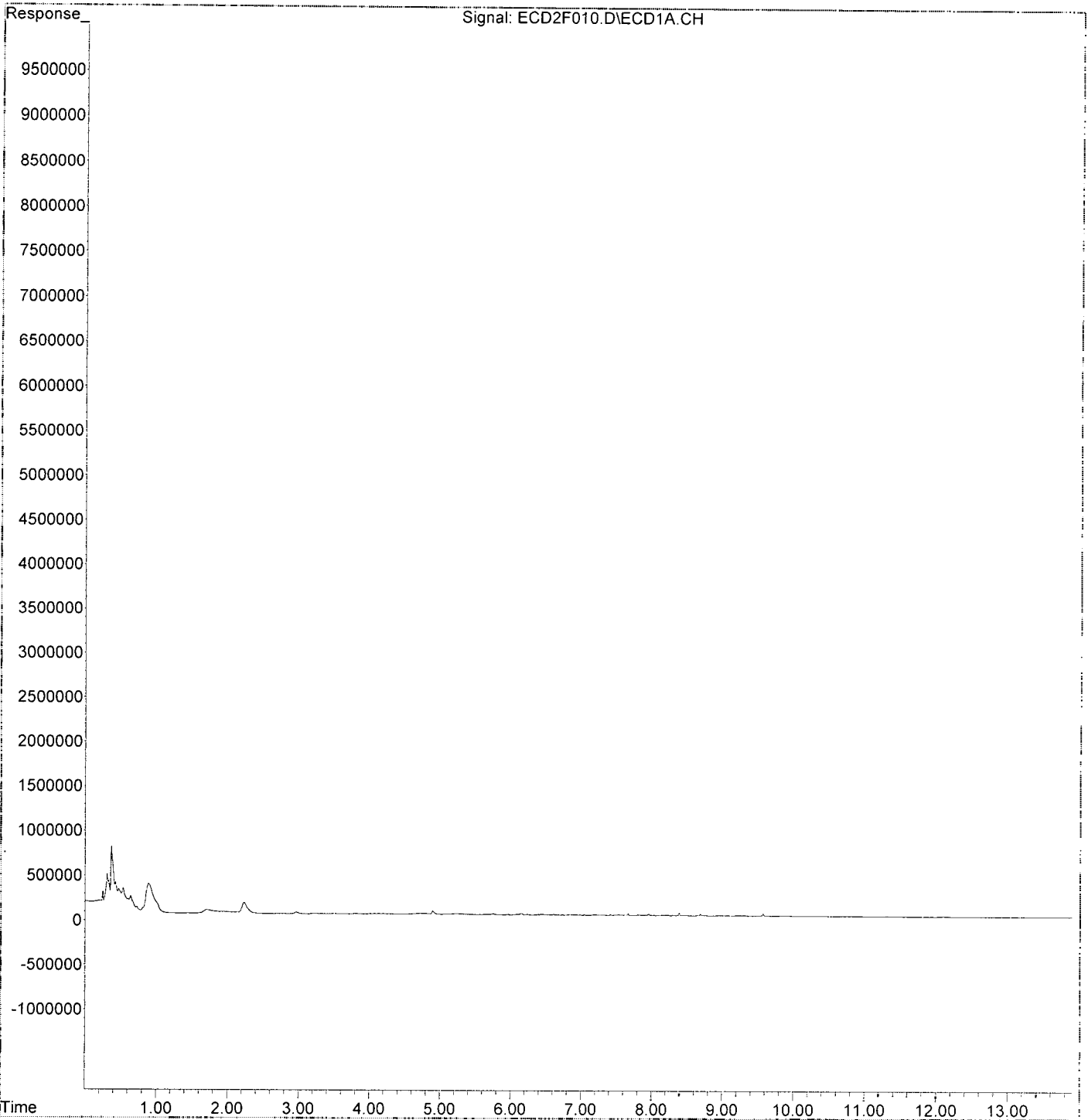
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.666	25104	3.120 ng/ml
49) Aroclor 1262 (2)	7.989	9638	0.859 ng/ml
50) Aroclor 1262 (3)	8.222	9877	1.018 ng/ml
51) Aroclor 1262 (4)	8.392	31578	1.528 ng/ml
52) Aroclor 1262 (5)	8.690	20342	1.555 ng/ml
53) Aroclor 1262 (6)	9.082	8134	1.218 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.222	9877	1.935 ng/ml
56) Aroclor 1268 (2)	8.639	4889	0.199 ng/ml
57) Aroclor 1268 (3)	8.690	20342	0.996 ng/ml
58) Aroclor 1268 (4)	8.872	2484	0.130 ng/ml
59) Aroclor 1268 (5)	9.082	8134	1.050 ng/ml
60) Aroclor 1268 (6)	9.341	4085	0.078 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F010.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 19:08
Operator : MJB / KAK
Sample : 9L03052-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:46:27 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 19:25
 Operator : MJB / KAK
 Sample : 9L03052-TCM~~1~~
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:41 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

12/4/19
1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.809	11420854	171.516	ng/ml
62) S DCBP (S)	9.577	20581453	184.298	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.729	1584967	424.020	ng/ml
3) Aroclor 1016 (2)	6.143	3295907	458.153	ng/ml
4) Aroclor 1016 (3)	6.224	1748585	440.125	ng/ml
5) Aroclor 1016 (4)	6.381	1506724	421.184	ng/ml
6) Aroclor 1016 (5)	6.604	1802153	434.098	ng/ml
7) Aroclor 1016 (6)	6.730	1256017	428.203	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.167	154121	142.384	ng/ml
10) Aroclor 1221 (2)	5.287	169658	236.435	ng/ml
11) Aroclor 1221 (3)	5.367	741426	316.834	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.367	741426	417.429	ng/ml
14) Aroclor 1232 (2)	6.143	3295907	1185.500	ng/ml
15) Aroclor 1232 (3)	6.224	1748585	1191.994	ng/ml
16) Aroclor 1232 (4)	6.381	1506724	1322.425	ng/ml
17) Aroclor 1232 (5)	6.604	1802153	1254.999	ng/ml
18) Aroclor 1232 (6)	6.730	1256017	1048.322	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.729	1584967	596.744	ng/ml
21) Aroclor 1242 (2)	6.143	3295907	635.407	ng/ml
22) Aroclor 1242 (3)	6.224	1748585	620.028	ng/ml
23) Aroclor 1242 (4)	6.381	1506724	658.194	ng/ml
24) Aroclor 1242 (5)	6.604	1802153	603.796	ng/ml
25) Aroclor 1242 (6)	6.730	1256017	500.560	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.143	3295907	968.446	ng/ml
28) Aroclor 1248 (2)	6.381	1506724	333.699	ng/ml
29) Aroclor 1248 (3)	6.604	1802153	345.316	ng/ml
30) Aroclor 1248 (4)	6.898	306212	52.748	ng/ml
31) Aroclor 1248 (5)	6.931	1452015	235.743	ng/ml
32) Aroclor 1248 (6)	7.419	3020035	883.719	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.931	1452015	242.078	ng/ml
35) Aroclor 1254 (2)	7.042	1517384	208.215	ng/ml
36) Aroclor 1254 (3)	7.419	3020035	269.406	ng/ml
37) Aroclor 1254 (4)	7.578	308753	43.303	ng/ml
38) Aroclor 1254 (5)	7.959	4100152	535.339	ng/ml
39) Aroclor 1254 (6)	8.251	442599	177.474	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.531	4033365	484.326	ng/ml
42) Aroclor 1260 (2)	7.665	4859368	476.297	ng/ml
43) Aroclor 1260 (3)	8.221	3358472	427.006	ng/ml
44) Aroclor 1260 (4)	8.391	7851638	421.712	ng/ml
45) Aroclor 1260 (5)	8.691	5184287	428.596	ng/ml
46) Aroclor 1260 (6)	9.082	1729763	338.201	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

43A.297

42A.356

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F011.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 19:25
 Operator : MJB / KAK
 Sample : 9L03052-ICV1
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:41 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

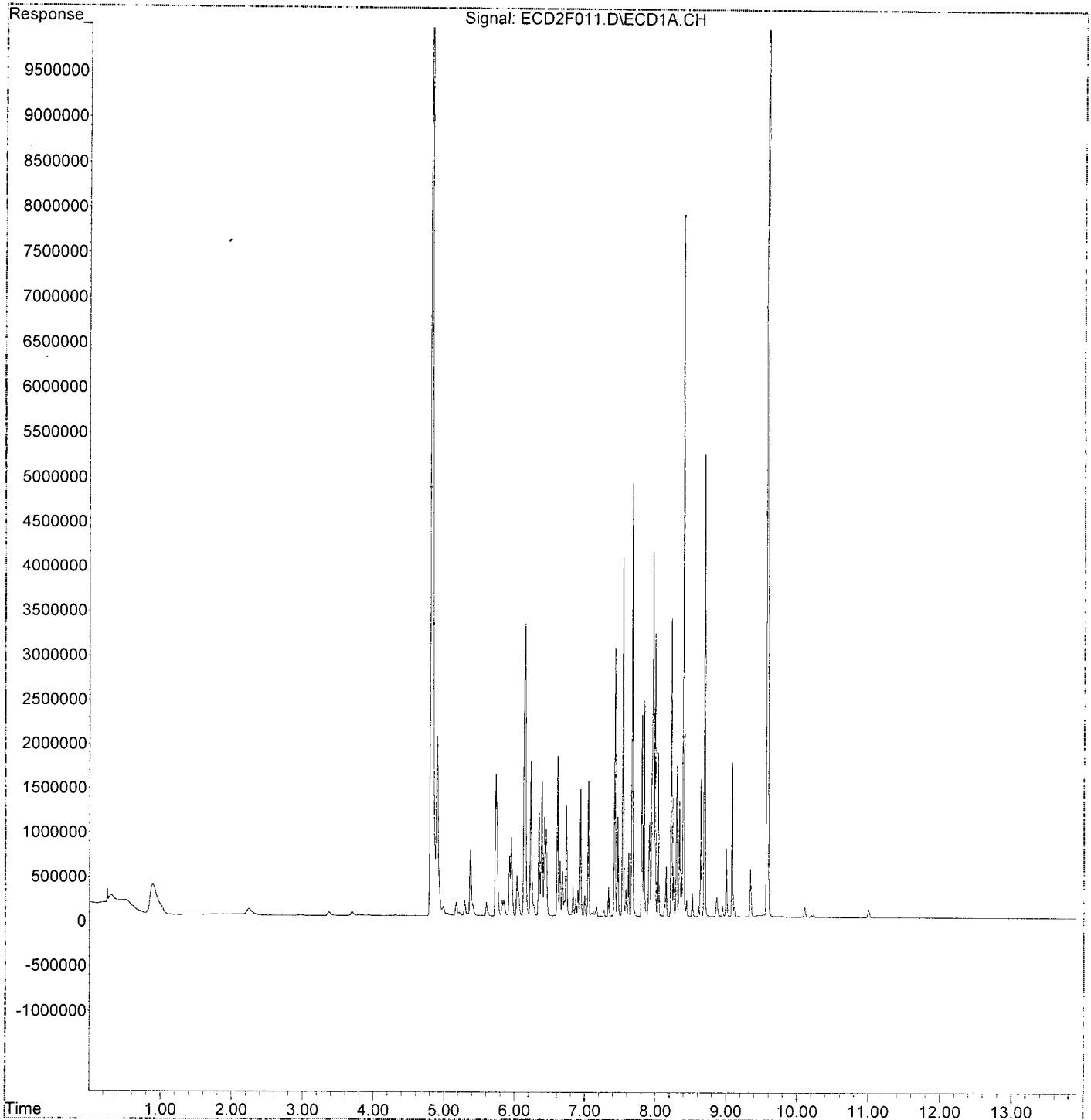
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.665	4859368	603.917	ng/ml
49) Aroclor 1262 (2)	7.989	3182035	283.476	ng/ml
50) Aroclor 1262 (3)	8.221	3358472	346.058	ng/ml
51) Aroclor 1262 (4)	8.391	7851638	380.039	ng/ml
52) Aroclor 1262 (5)	8.691	5184287	396.281	ng/ml
53) Aroclor 1262 (6)	9.082	1729763	259.077	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.221	3358472	657.977	ng/ml
56) Aroclor 1268 (2)	8.638	1542082	62.876	ng/ml
57) Aroclor 1268 (3)	8.691	5184287	253.955	ng/ml
58) Aroclor 1268 (4)	8.865	214550	11.202	ng/ml
59) Aroclor 1268 (5)	9.082	1729763	223.203	ng/ml
60) Aroclor 1268 (6)	9.340	542704	10.380	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F011.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 19:25
Operator : MJB / KAK
Sample : 9L03052-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:46:41 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 21:46
 Operator : MJB / KAK
 Sample : 9L03052-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:57 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

12/14/19
1221, 1254

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.806	2523842	37.902 ng/ml
62) S DCBP (S)	9.576	9098738	81.475 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	408626	109.318 ng/ml
3) Aroclor 1016 (2)	6.141	518754	72.110 ng/ml
4) Aroclor 1016 (3)	6.224	315790	79.485 ng/ml
5) Aroclor 1016 (4)	6.381	1796683	502.238 ng/ml
6) Aroclor 1016 (5)	6.602	1114869	268.547 ng/ml
7) Aroclor 1016 (6)	6.729	509980	173.863 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.165	999048	922.965 ng/ml
10) Aroclor 1221 (2)	5.284	659283	918.773 ng/ml
11) Aroclor 1221 (3)	5.366	2169002	926.879 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.366	2169002	1221.167 ng/ml
14) Aroclor 1232 (2)	6.141	518754	186.590 ng/ml
15) Aroclor 1232 (3)	6.224	315790	215.271 ng/ml
16) Aroclor 1232 (4)	6.381	1796683	1576.916 ng/ml
17) Aroclor 1232 (5)	6.602	1114869	776.382 ng/ml
18) Aroclor 1232 (6)	6.729	509980	425.650 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.729	408626	153.849 ng/ml
21) Aroclor 1242 (2)	6.141	518754	100.009 ng/ml
22) Aroclor 1242 (3)	6.224	315790	111.975 ng/ml
23) Aroclor 1242 (4)	6.381	1796683	784.858 ng/ml
24) Aroclor 1242 (5)	6.602	1114869	373.527 ng/ml
25) Aroclor 1242 (6)	6.729	509980	203.242 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.141	518754	152.427 ng/ml
28) Aroclor 1248 (2)	6.381	1796683	397.917 ng/ml
29) Aroclor 1248 (3)	6.602	1114869	213.623 ng/ml
30) Aroclor 1248 (4)	6.897	1645230	283.409 ng/ml
31) Aroclor 1248 (5)	6.930	3291877	534.456 ng/ml
32) Aroclor 1248 (6)	7.412	5438265	1591.338 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.930	3291877	548.818 ng/ml
35) Aroclor 1254 (2)	7.040	3724068	511.017 ng/ml
36) Aroclor 1254 (3)	7.412	5438265	485.127 ng/ml
37) Aroclor 1254 (4)	7.577	3641186	510.683 ng/ml
38) Aroclor 1254 (5)	7.958	3764966	491.575 ng/ml
39) Aroclor 1254 (6)	8.249	1229847	493.144 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.531	2171772	260.786 ng/ml
42) Aroclor 1260 (2)	7.664	2434418	238.612 ng/ml
43) Aroclor 1260 (3)	8.220	352887	44.867 ng/ml
44) Aroclor 1260 (4)	8.390	825894	44.359 ng/ml
45) Aroclor 1260 (5)	8.689	707191	58.465 ng/ml
46) Aroclor 1260 (6)	9.080	59626	11.658 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

922.872

506.727

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F019.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 21:46
 Operator : MJB / KAK
 Sample : 9L03052-ICV2
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:46:57 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

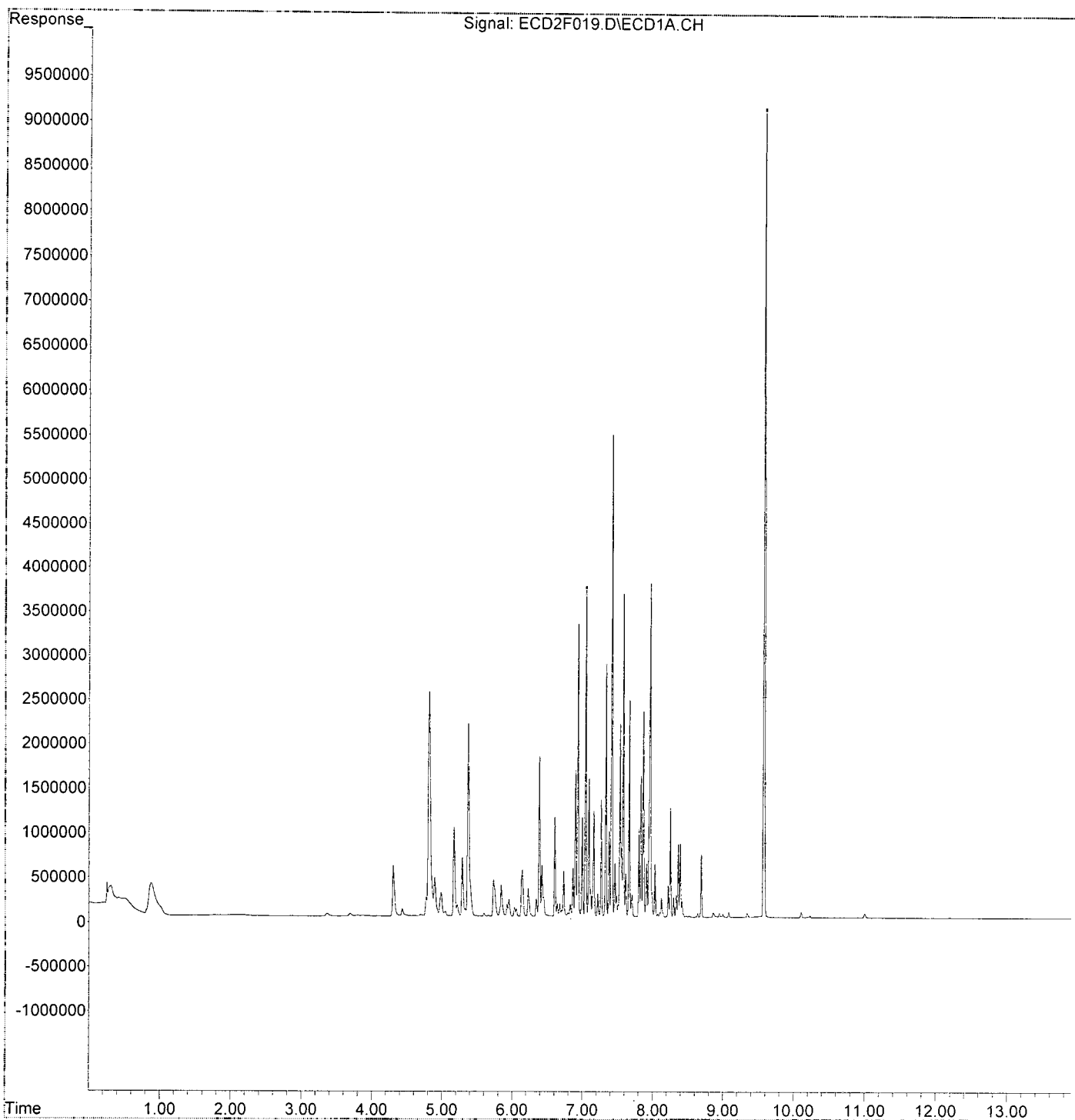
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	7.664	2434418	302.547	ng/ml
49) Aroclor 1262 (2)	7.986	283402	25.247	ng/ml
50) Aroclor 1262 (3)	8.220	352887	36.362	ng/ml
51) Aroclor 1262 (4)	8.390	825894	39.975	ng/ml
52) Aroclor 1262 (5)	8.689	707191	54.057	ng/ml
53) Aroclor 1262 (6)	9.080	59626	8.931	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.220	352887	69.136	ng/ml
56) Aroclor 1268 (2)	8.637	48189	1.965	ng/ml
57) Aroclor 1268 (3)	8.689	707191	34.642	ng/ml
58) Aroclor 1268 (4)	8.859	50067	2.614	ng/ml
59) Aroclor 1268 (5)	9.080	59626	7.694	ng/ml
60) Aroclor 1268 (6)	9.340	48854	0.934	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F019.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 21:46
Operator : MJB / KAK
Sample : 9L03052-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:46:57 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:04
 Operator : MJB / KAK
 Sample : 9L03052-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

12/14/19
1232, 1262

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:09 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.807	2529050	37.981 ng/ml
62) S DCBP (S)	9.577	9324205	83.494 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.728	780192	208.722 ng/ml
3) Aroclor 1016 (2)	6.140	1503421	208.985 ng/ml
4) Aroclor 1016 (3)	6.224	809480	203.749 ng/ml
5) Aroclor 1016 (4)	6.381	633249	177.016 ng/ml
6) Aroclor 1016 (5)	6.603	781085	188.146 ng/ml
7) Aroclor 1016 (6)	6.729	644810	219.830 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.165	352683	325.824 ng/ml
10) Aroclor 1221 (2)	5.284	262348	365.607 ng/ml
11) Aroclor 1221 (3)	5.366	914140	390.639 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.366	914140	514.669 ng/ml
14) Aroclor 1232 (2)	6.140	1503421	540.763 ng/ml
15) Aroclor 1232 (3)	6.224	809480	551.815 ng/ml
16) Aroclor 1232 (4)	6.381	633249	555.792 ng/ml
17) Aroclor 1232 (5)	6.603	781085	543.939 ng/ml
18) Aroclor 1232 (6)	6.729	644810	538.185 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.728	780192	293.744 ng/ml
21) Aroclor 1242 (2)	6.140	1503421	289.839 ng/ml
22) Aroclor 1242 (3)	6.224	809480	287.032 ng/ml
23) Aroclor 1242 (4)	6.381	633249	276.627 ng/ml
24) Aroclor 1242 (5)	6.603	781085	261.696 ng/ml
25) Aroclor 1242 (6)	6.729	644810	256.976 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.140	1503421	441.755 ng/ml
28) Aroclor 1248 (2)	6.381	633249	140.248 ng/ml
29) Aroclor 1248 (3)	6.603	781085	149.666 ng/ml
30) Aroclor 1248 (4)	6.897	807432	139.089 ng/ml
31) Aroclor 1248 (5)	6.934	1110368	180.275 ng/ml
32) Aroclor 1248 (6)	7.419	2767318	809.769 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.934	1110368	185.119 ng/ml
35) Aroclor 1254 (2)	7.041	720967	98.931 ng/ml
36) Aroclor 1254 (3)	7.419	2767318	246.862 ng/ml
37) Aroclor 1254 (4)	7.579	293242	41.128 ng/ml
38) Aroclor 1254 (5)	7.959	1932670	252.340 ng/ml
39) Aroclor 1254 (6)	8.251	135955	54.515 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.531	3315864	398.168 ng/ml
42) Aroclor 1260 (2)	7.665	3967208	388.851 ng/ml
43) Aroclor 1260 (3)	8.220	4669824	593.736 ng/ml
44) Aroclor 1260 (4)	8.391	10490038	563.421 ng/ml
45) Aroclor 1260 (5)	8.689	6158136	509.106 ng/ml
46) Aroclor 1260 (6)	9.081	3347737	654.545 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

540.861

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F020.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:04
 Operator : MJB / KAK
 Sample : 9L03052-ICV3
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:09 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.665	3967208	493.041 ng/ml
49) Aroclor 1262 (2)	7.988	5589920	497.985 ng/ml
50) Aroclor 1262 (3)	8.220	4669824	481.180 ng/ml
51) Aroclor 1262 (4)	8.391	10490038	507.744 ng/ml
52) Aroclor 1262 (5)	8.689	6158136	470.720 ng/ml
53) Aroclor 1262 (6)	9.081	3347737	501.411 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.220	4669824	914.892 ng/ml
56) Aroclor 1268 (2)	8.638	3952358	161.152 ng/ml
57) Aroclor 1268 (3)	8.689	6158136	301.660 ng/ml
58) Aroclor 1268 (4)	8.867	311895	16.284 ng/ml
59) Aroclor 1268 (5)	9.081	3347737	431.981 ng/ml
60) Aroclor 1268 (6)	9.340	1087897	20.808 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

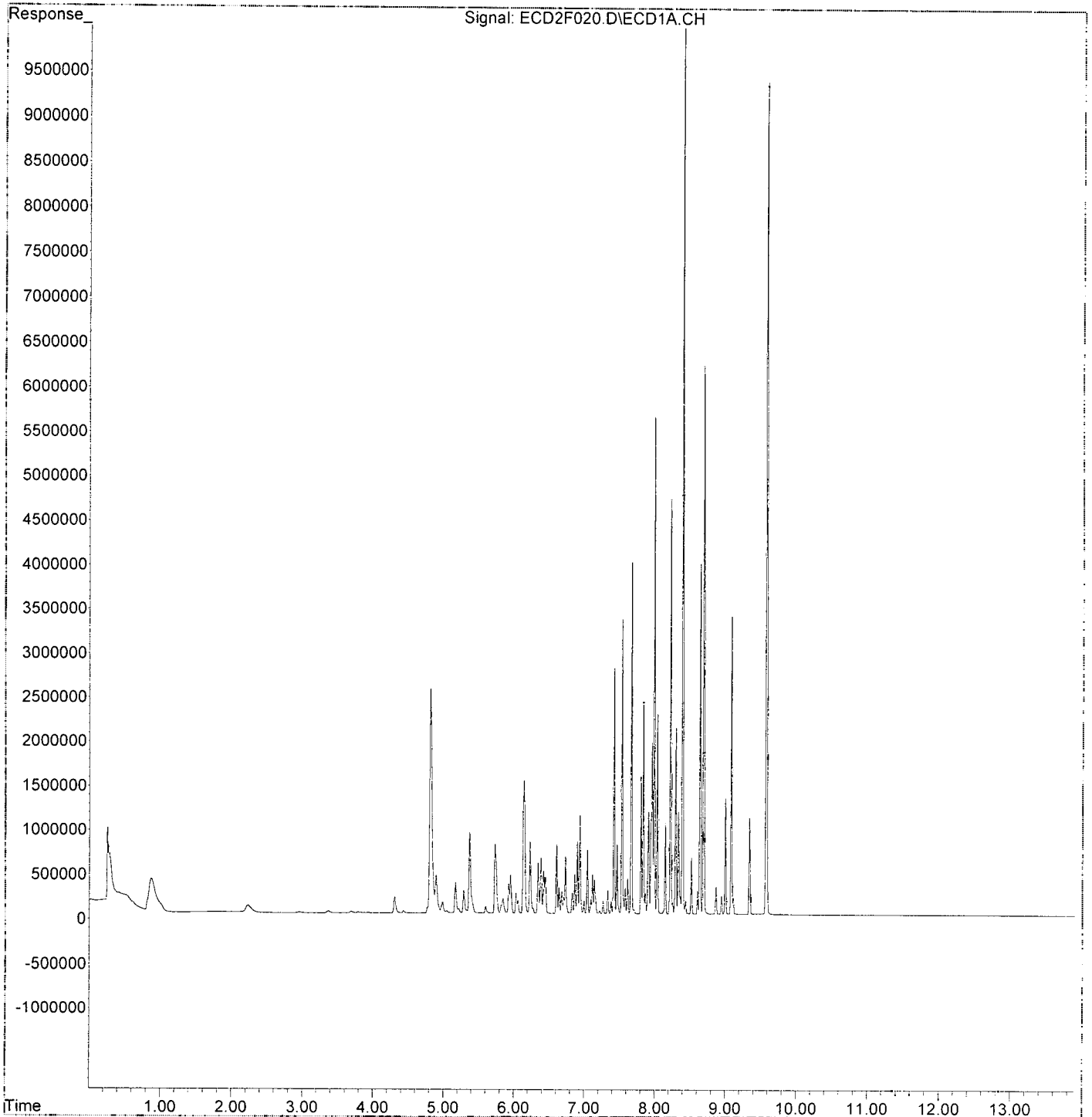
492.01A

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F020.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 22:04
Operator : MJB / KAK
Sample : 9L03052-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:47:09 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:21
 Operator : MJB / KAK
 Sample : 9L03052-~~TCV4~~
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:22 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

12/11/19
1242, 1268

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.809	2665860	40.035	ng/ml
62) S DCBP (S)	9.576	4442909	39.784	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	5.728	1382752	369.922	ng/ml
3) Aroclor 1016 (2)	6.141	2750450	382.331	ng/ml
4) Aroclor 1016 (3)	6.223	1465507	368.873	ng/ml
5) Aroclor 1016 (4)	6.380	1228739	343.477	ng/ml
6) Aroclor 1016 (5)	6.603	1520400	366.230	ng/ml
7) Aroclor 1016 (6)	6.729	1310155	446.660	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.167	142252	131.419	ng/ml
10) Aroclor 1221 (2)	5.284	157140	218.989	ng/ml
11) Aroclor 1221 (3)	5.366	700121	299.183	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.366	700121	394.174	ng/ml
14) Aroclor 1232 (2)	6.141	2750450	989.305	ng/ml
15) Aroclor 1232 (3)	6.223	1465507	999.022	ng/ml
16) Aroclor 1232 (4)	6.380	1228739	1078.442	ng/ml
17) Aroclor 1232 (5)	6.603	1520400	1058.790	ng/ml
18) Aroclor 1232 (6)	6.729	1310155	1093.508	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	5.728	1382752	520.609	ng/ml
21) Aroclor 1242 (2)	6.141	2750450	530.250	ng/ml
22) Aroclor 1242 (3)	6.223	1465507	519.652	ng/ml
23) Aroclor 1242 (4)	6.380	1228739	536.759	ng/ml
24) Aroclor 1242 (5)	6.603	1520400	509.397	ng/ml
25) Aroclor 1242 (6)	6.729	1310155	522.136	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.141	2750450	808.173	ng/ml
28) Aroclor 1248 (2)	6.380	1228739	272.133	ng/ml
29) Aroclor 1248 (3)	6.603	1520400	291.328	ng/ml
30) Aroclor 1248 (4)	6.896	1550785	267.140	ng/ml
31) Aroclor 1248 (5)	6.935	1647945	267.554	ng/ml
32) Aroclor 1248 (6)	7.411	529842	155.042	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	6.935	1647945	274.744	ng/ml
35) Aroclor 1254 (2)	7.040	376012	51.596	ng/ml
36) Aroclor 1254 (3)	7.411	529842	47.265	ng/ml
37) Aroclor 1254 (4)	7.577	374880	52.578	ng/ml
38) Aroclor 1254 (5)	7.959	74111	9.676	ng/ml
39) Aroclor 1254 (6)	8.249	38994	15.636	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	7.552	195683	23.498	ng/ml
42) Aroclor 1260 (2)	7.664	79308	7.773	ng/ml
43) Aroclor 1260 (3)	8.212	2553339	324.639	ng/ml
44) Aroclor 1260 (4)	8.390	1205764	64.762	ng/ml
45) Aroclor 1260 (5)	8.685	10212114	844.257	ng/ml
46) Aroclor 1260 (6)	9.081	3853280	753.388	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

523.13A

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:21
 Operator : MJB / KAK
 Sample : 9L03052-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:22 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.664	79308	9.856 ng/ml
49) Aroclor 1262 (2)	7.988	2099746	187.059 ng/ml
50) Aroclor 1262 (3)	8.212	2553339	263.097 ng/ml
51) Aroclor 1262 (4)	8.390	1205764	58.362 ng/ml
52) Aroclor 1262 (5)	8.685	10212114	780.602 ng/ml
53) Aroclor 1262 (6)	9.081	3853280	577.129 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.212	2553339	500.239 ng/ml
56) Aroclor 1268 (2)	8.638	11416672	465.499 ng/ml
57) Aroclor 1268 (3)	8.685	10212114	500.246 ng/ml
58) Aroclor 1268 (4)	8.868	9250966	482.994 ng/ml
59) Aroclor 1268 (5)	9.081	3853280	497.214 ng/ml
60) Aroclor 1268 (6)	9.341	25949592	496.325 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

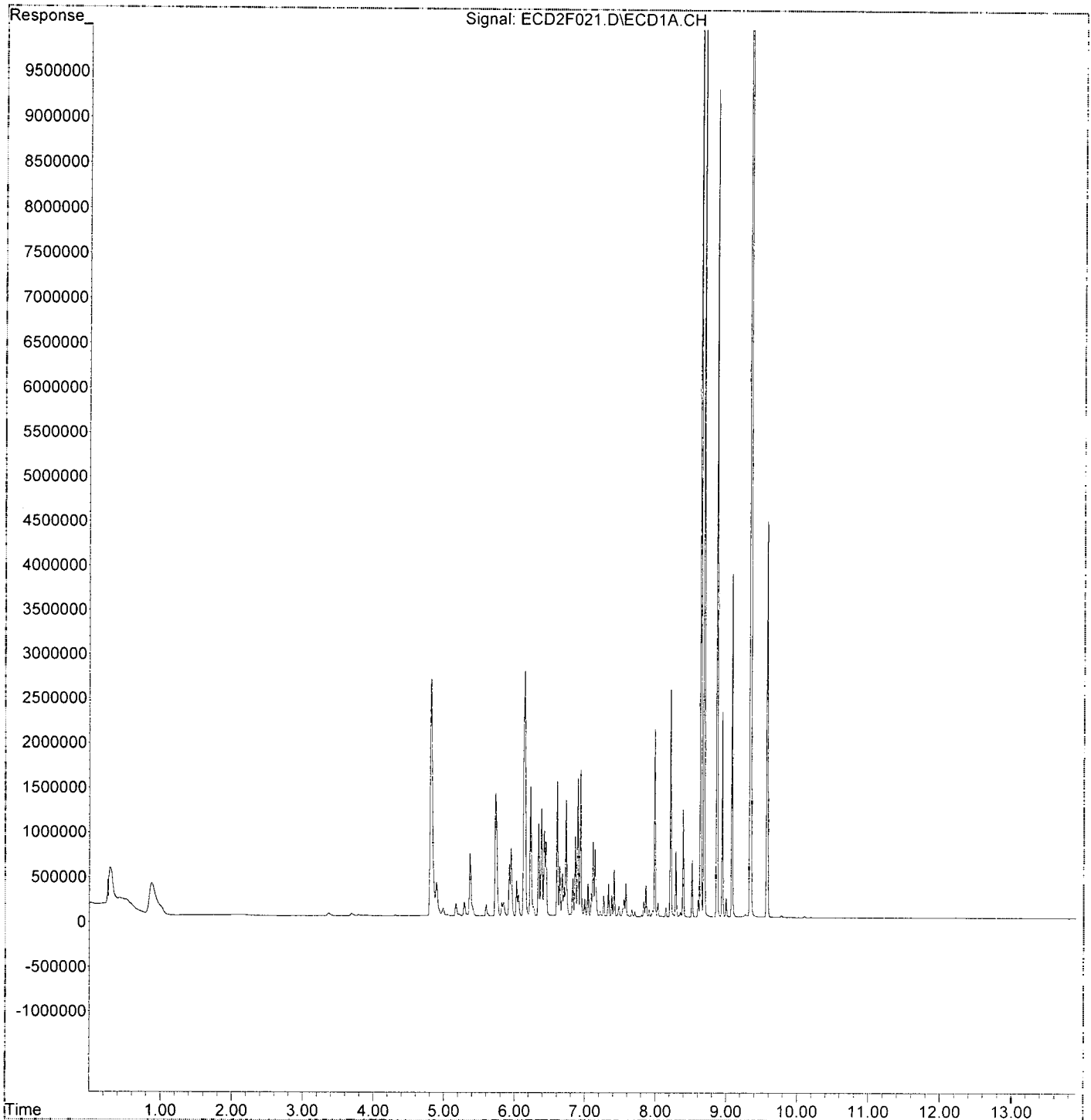
490.420

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
 Data File : ECD2F021.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:21
 Operator : MJB / KAK
 Sample : 9L03052-ICV4
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:22 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:39
 Operator : MJB / KAK
 Sample : 9L03052-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:36 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

12/11/19
1248

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.807	3885	0.058 ng/ml
62) S DCBP (S)	9.575	9875	0.088 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.728	773412	206.908 ng/ml
3) Aroclor 1016 (2)	6.141	1727133	240.083 ng/ml
4) Aroclor 1016 (3)	6.223	962046	242.150 ng/ml
5) Aroclor 1016 (4)	6.381	2489269	695.841 ng/ml
6) Aroclor 1016 (5)	6.603	2879322	693.564 ng/ml
7) Aroclor 1016 (6)	6.729	2195827	748.604 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.166	16969	15.677 ng/ml
10) Aroclor 1221 (2)	5.287	19525	27.211 ng/ml
11) Aroclor 1221 (3)	5.367	88672	37.892 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.367	88672	49.923 ng/ml
14) Aroclor 1232 (2)	6.141	1727133	621.230 ng/ml
15) Aroclor 1232 (3)	6.223	962046	655.818 ng/ml
16) Aroclor 1232 (4)	6.381	2489269	2184.787 ng/ml
17) Aroclor 1232 (5)	6.603	2879322	2005.127 ng/ml
18) Aroclor 1232 (6)	6.729	2195827	1832.725 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	5.728	773412	291.192 ng/ml
21) Aroclor 1242 (2)	6.141	1727133	332.968 ng/ml
22) Aroclor 1242 (3)	6.223	962046	341.130 ng/ml
23) Aroclor 1242 (4)	6.381	2489269	1087.406 ng/ml
24) Aroclor 1242 (5)	6.603	2879322	964.692 ng/ml
25) Aroclor 1242 (6)	6.729	2195827	875.103 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.130	1712166	503.091 ng/ml
28) Aroclor 1248 (2)	6.381	2489269	551.307 ng/ml
29) Aroclor 1248 (3)	6.603	2879322	551.715 ng/ml
30) Aroclor 1248 (4)	6.897	3307894	569.822 ng/ml
31) Aroclor 1248 (5)	6.934	3316675	538.482 ng/ml
32) Aroclor 1248 (6)	7.411	1869117	546.939 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	6.934	3316675	552.953 ng/ml
35) Aroclor 1254 (2)	7.041	1195032	163.982 ng/ml
36) Aroclor 1254 (3)	7.411	1869117	166.737 ng/ml
37) Aroclor 1254 (4)	7.578	1323324	185.599 ng/ml
38) Aroclor 1254 (5)	7.958	294269	38.421 ng/ml
39) Aroclor 1254 (6)	8.251	119096	47.755 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	7.535	286492	34.402 ng/ml
42) Aroclor 1260 (2)	7.663	187599	18.388 ng/ml
43) Aroclor 1260 (3)	8.220	32805	4.171 ng/ml
44) Aroclor 1260 (4)	8.391	78085	4.194 ng/ml
45) Aroclor 1260 (5)	8.690	62566	5.172 ng/ml
46) Aroclor 1260 (6)	9.080	20052	3.921 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

543.589

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F022.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 22:39
 Operator : MJB / KAK
 Sample : 9L03052-ICV5
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:47:36 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.663	187599	23.315 ng/ml
49) Aroclor 1262 (2)	7.988	36173	3.223 ng/ml
50) Aroclor 1262 (3)	8.220	32805	3.380 ng/ml
51) Aroclor 1262 (4)	8.391	78085	3.779 ng/ml
52) Aroclor 1262 (5)	8.690	62566	4.782 ng/ml
53) Aroclor 1262 (6)	9.080	20052	3.003 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.220	32805	6.427 ng/ml
56) Aroclor 1268 (2)	8.638	20328	0.829 ng/ml
57) Aroclor 1268 (3)	8.690	62566	3.065 ng/ml
58) Aroclor 1268 (4)	8.865	4340	0.227 ng/ml
59) Aroclor 1268 (5)	9.080	20052	2.587 ng/ml
60) Aroclor 1268 (6)	9.340	13546	0.259 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

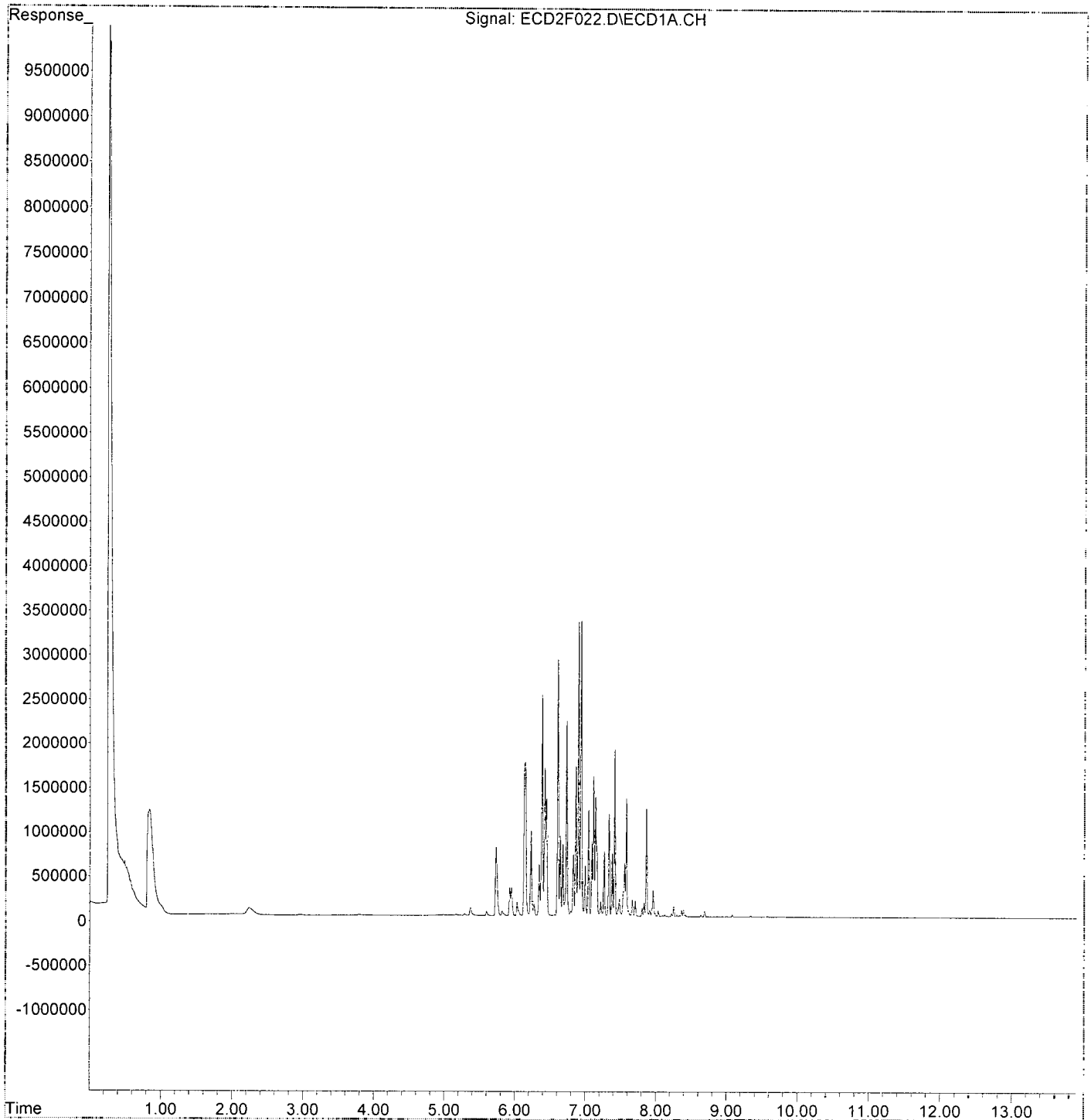
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F022.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 22:39
Operator : MJB / KAK
Sample : 9L03052-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:47:36 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:04
 Operator : MJB / KAK
 Sample : 9L03052-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:32:40 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.810	607866	9.129 ng/ml
62) S DCBP (S)	9.578	1085395	9.719 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.730	89904	24.052 ng/ml
3) Aroclor 1016 (2)	6.144	161114	22.396 ng/ml
4) Aroclor 1016 (3)	6.226	94866	23.878 ng/ml
5) Aroclor 1016 (4)	6.382	87352	24.418 ng/ml
6) Aroclor 1016 (5)	6.604	97448	23.473 ng/ml
7) Aroclor 1016 (6)	6.731	68287	23.280 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)	7.532	186119	22.349 ng/ml
42) Aroclor 1260 (2)	7.665	225314	22.084 ng/ml
43) Aroclor 1260 (3)	8.222	178776	22.730 ng/ml
44) Aroclor 1260 (4)	8.392	374030	20.089 ng/ml
45) Aroclor 1260 (5)	8.690	254106	21.007 ng/ml
46) Aroclor 1260 (6)	9.082	115322	22.548 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

MJB
12/4/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:04
 Operator : MJB / KAK
 Sample : 9L03052-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:32:40 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

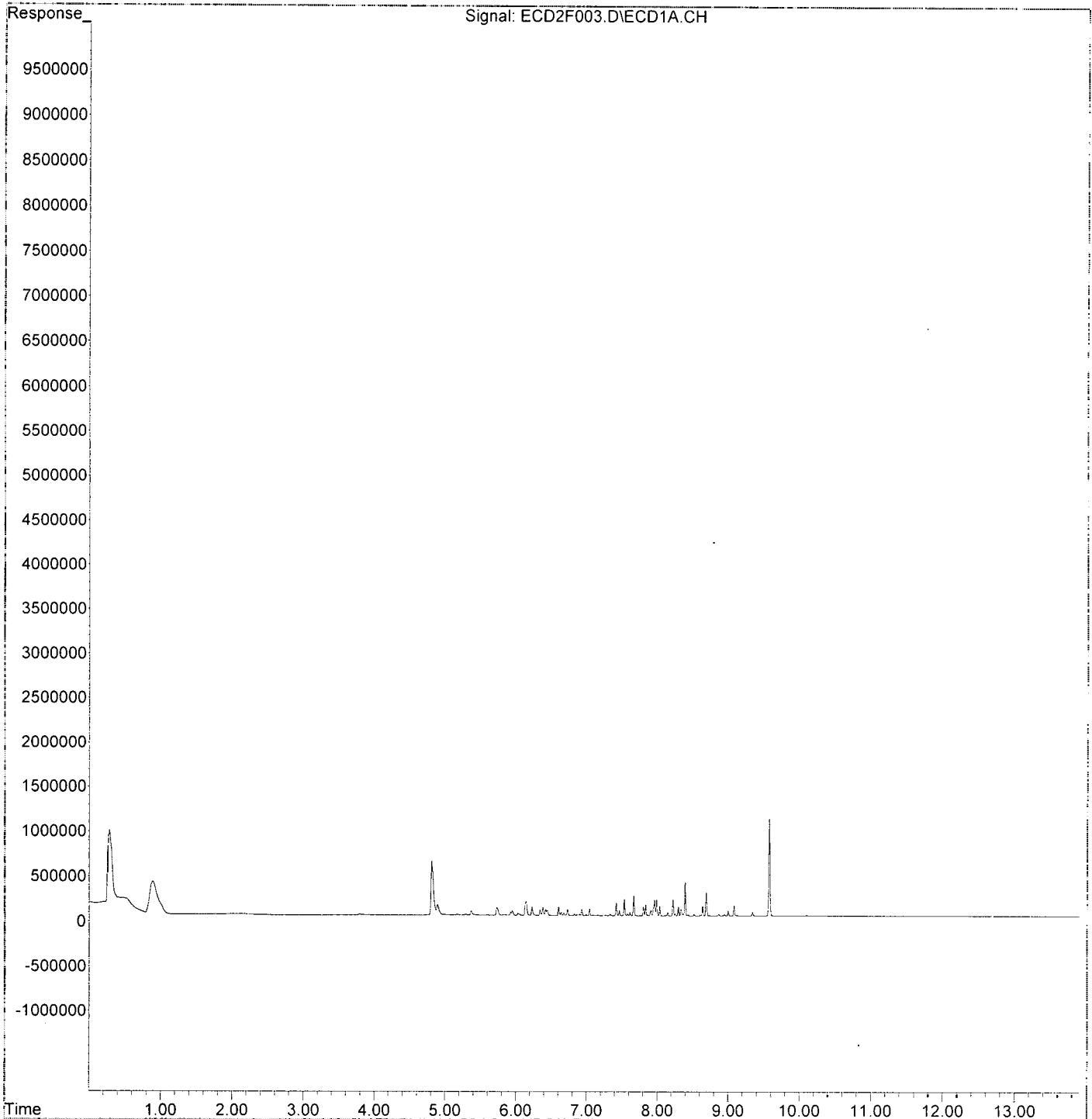
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:04
Operator : MJB / KAK
Sample : 9L03052-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:32:40 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:22
 Operator : MJB / KAK
 Sample : 9L03052-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:32:58 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.809	1520231	22.830 ng/ml ✓
62) S DCBP (S)	9.576	2699632	24.174 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.729	193429	51.747 ng/ml
3) Aroclor 1016 (2)	6.143	352080	48.941 ng/ml
4) Aroclor 1016 (3)	6.225	199490	50.212 ng/ml
5) Aroclor 1016 (4)	6.381	190893	53.362 ng/ml
6) Aroclor 1016 (5)	6.604	220902	53.210 ng/ml
7) Aroclor 1016 (6)	6.731	153783	52.428 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)	7.531	418936	50.306 ng/ml
42) Aroclor 1260 (2)	7.665	506688	49.664 ng/ml
43) Aroclor 1260 (3)	8.221	402124	51.127 ng/ml
44) Aroclor 1260 (4)	8.390	944538	50.731 ng/ml
45) Aroclor 1260 (5)	8.690	615297	50.868 ng/ml
46) Aroclor 1260 (6)	9.081	258919	50.623 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

12/4/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:22
 Operator : MJB / KAK
 Sample : 9L03052-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:32:58 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

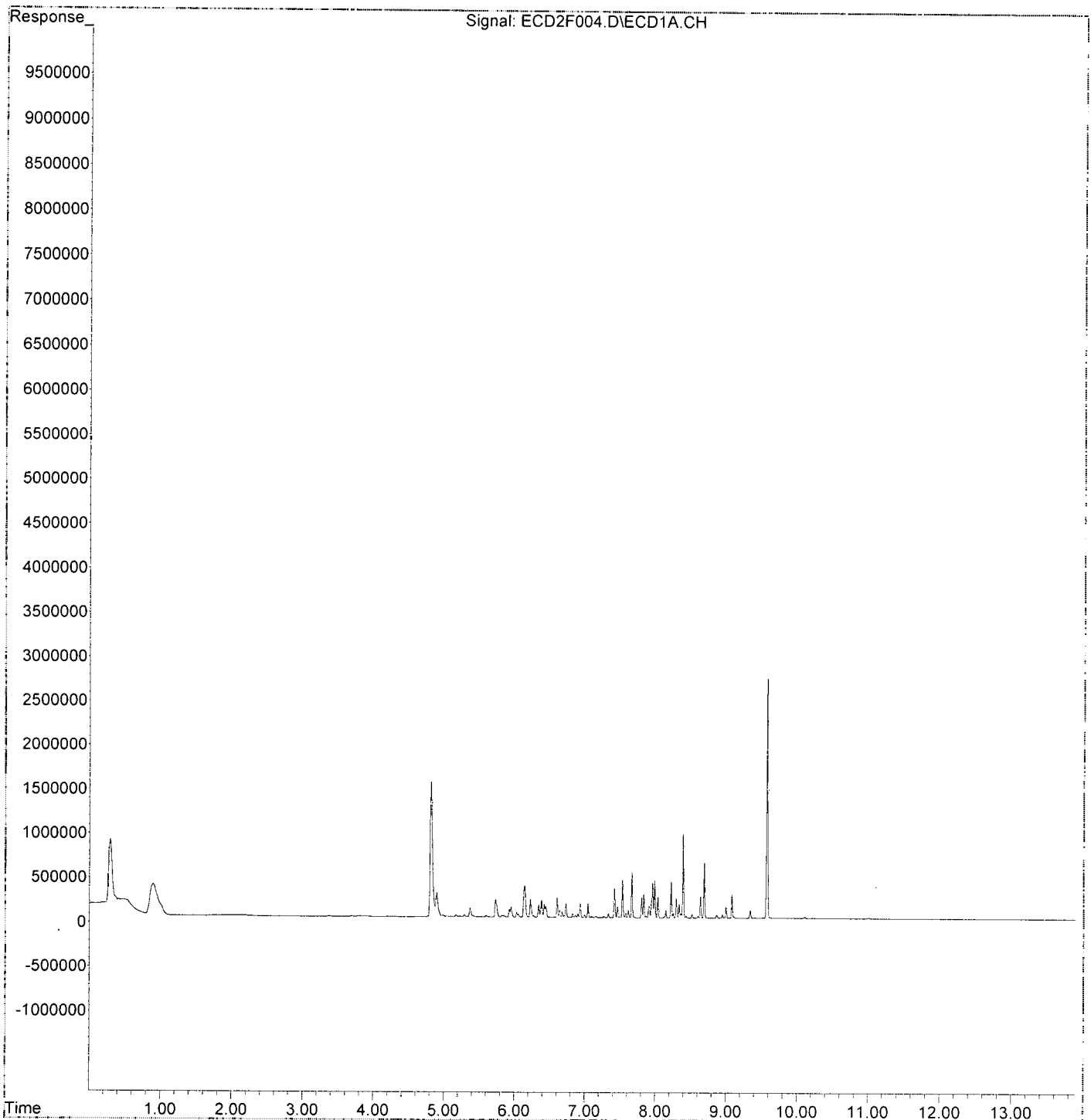
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\requant\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:22
 Operator : MJB / KAK
 Sample : 9L03052-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:32:58 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:40
 Operator : MJB / KAK
 Sample : 9L03052-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:33:14 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.809	3122586	46.894 ng/ml ✓
62) S DCBP (S)	9.577	5688932	50.942 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	5.729	374224	100.115 ng/ml
3) Aroclor 1016 (2)	6.143	710924	98.823 ng/ml
4) Aroclor 1016 (3)	6.225	390273	98.233 ng/ml
5) Aroclor 1016 (4)	6.381	356425	99.634 ng/ml
6) Aroclor 1016 (5)	6.604	404011	97.317 ng/ml
7) Aroclor 1016 (6)	6.730	290789	99.136 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)	7.531	842440	101.160 ng/ml
42) Aroclor 1260 (2)	7.665	1012879	99.279 ng/ml
43) Aroclor 1260 (3)	8.221	802199	101.994 ng/ml
44) Aroclor 1260 (4)	8.391	1832880	98.444 ng/ml
45) Aroclor 1260 (5)	8.689	1221637	100.995 ng/ml
46) Aroclor 1260 (6)	9.082	511487	100.005 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

12/14/19

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:40
 Operator : MJB / KAK
 Sample : 9L03052-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:33:14 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

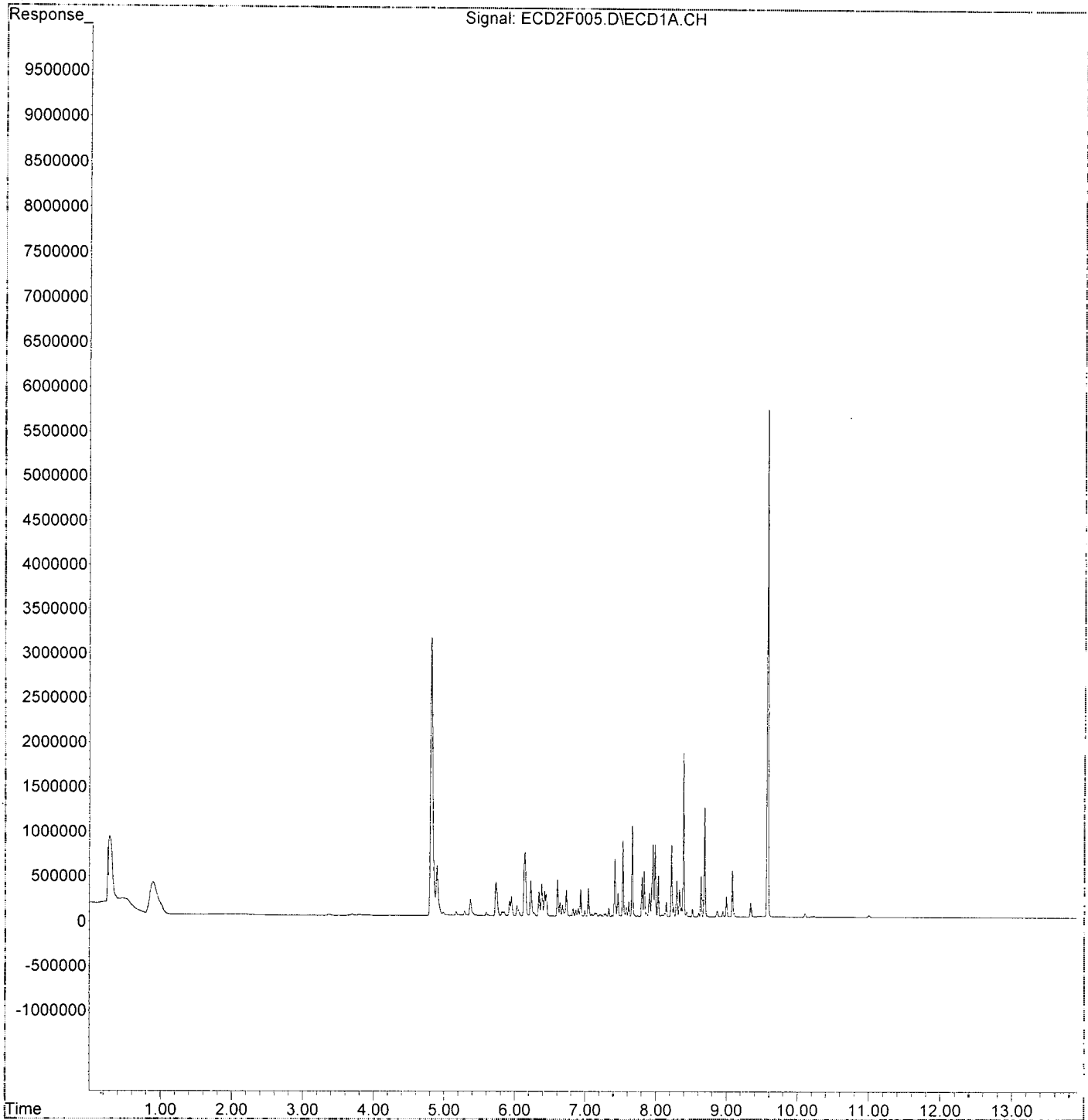
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:40
Operator : MJB / KAK
Sample : 9L03052-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:33:14 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:57
 Operator : MJB / KAK
 Sample : 9L03052-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:33:28 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.811	6242821	93.753	ng/ml ✓
62) S DCBP (S)	9.576	10577859	94.720	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.729	703735	188.267	ng/ml
3) Aroclor 1016 (2)	6.143	1325963	184.317	ng/ml
4) Aroclor 1016 (3)	6.224	743377	187.111	ng/ml
5) Aroclor 1016 (4)	6.381	650662	181.884	ng/ml
6) Aroclor 1016 (5)	6.604	767420	184.854	ng/ml
7) Aroclor 1016 (6)	6.729	543631	185.335	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)	7.531	1580165	189.746	ng/ml
42) Aroclor 1260 (2)	7.665	1922759	188.462	ng/ml
43) Aroclor 1260 (3)	8.220	1455817	185.097	ng/ml
44) Aroclor 1260 (4)	8.391	3616251	194.229	ng/ml
45) Aroclor 1260 (5)	8.690	2271341	187.777	ng/ml
46) Aroclor 1260 (6)	9.080	929790	181.791	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
12/11/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:57
 Operator : MJB / KAK
 Sample : 9L03052-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:33:28 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

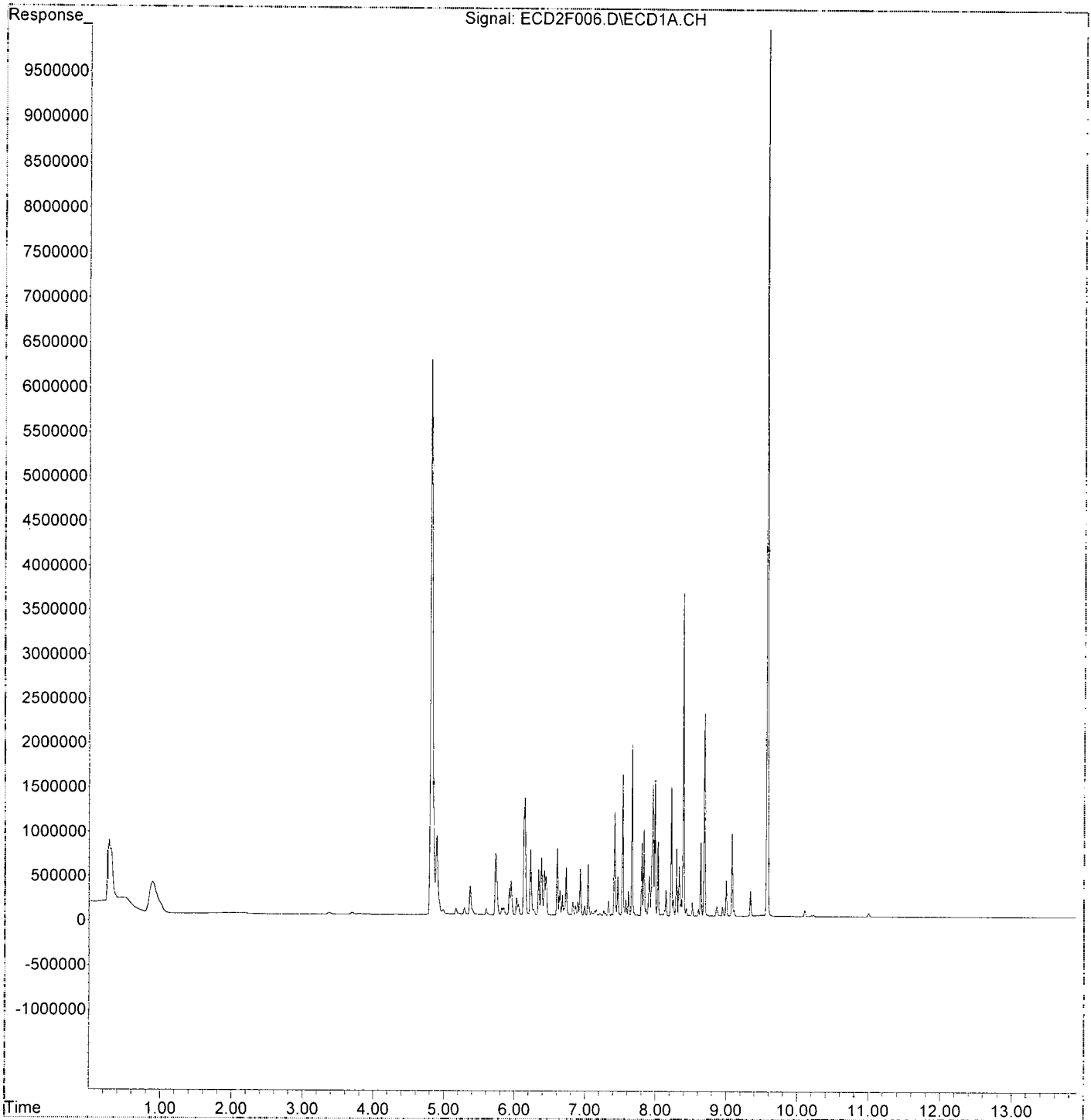
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:57
Operator : MJB / KAK
Sample : 9L03052-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:33:28 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:15
 Operator : MJB / KAK
 Sample : 9L03052-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:33:46 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.811	19144959	287.515	ng/ml
62) S DCBP (S)	9.578	31083383	278.338	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.729	1871482	500.670	ng/ml
3) Aroclor 1016 (2)	6.143	3859736	536.529	ng/ml
4) Aroclor 1016 (3)	6.225	2022155	508.984	ng/ml
5) Aroclor 1016 (4)	6.382	1820005	508.757	ng/ml
6) Aroclor 1016 (5)	6.604	2192154	528.041	ng/ml
7) Aroclor 1016 (6)	6.730	1484483	506.092	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)	7.532	4423699	531.197	ng/ml
42) Aroclor 1260 (2)	7.665	5325133	521.949	ng/ml
43) Aroclor 1260 (3)	8.221	3997829	508.296	ng/ml
44) Aroclor 1260 (4)	8.391	10089251	541.895	ng/ml
45) Aroclor 1260 (5)	8.690	6288943	519.920	ng/ml
46) Aroclor 1260 (6)	9.082	2699039	527.712	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

MJB
12/4/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:15
 Operator : MJB / KAK
 Sample : 9L03052-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:33:46 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

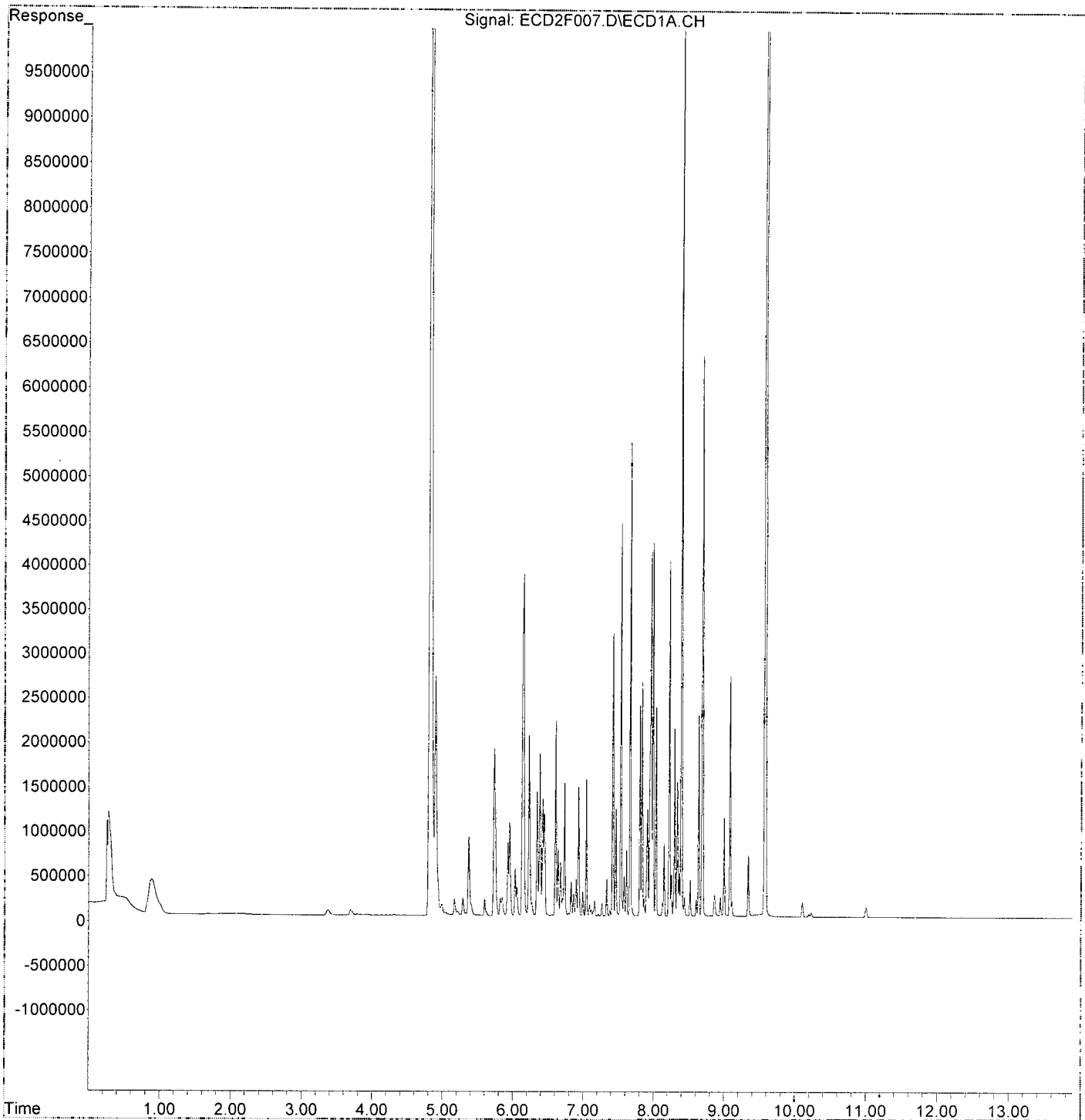
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\requant\
Data File : ECD2F007.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 18:15
Operator : MJB / KAK
Sample : 9L03052-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:33:46 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:32
 Operator : MJB / KAK
 Sample : 9L03052-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:34:01 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.810	33608191	504.720	ng/ml
62) S DCBP (S)	9.578	54903816	491.639	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.729	3364096	899.982	ng/ml
3) Aroclor 1016 (2)	6.142	6834377	950.023	ng/ml
4) Aroclor 1016 (3)	6.225	3751237	944.200	ng/ml
5) Aroclor 1016 (4)	6.382	3257104	910.478	ng/ml
6) Aroclor 1016 (5)	6.604	3740486	900.999	ng/ml
7) Aroclor 1016 (6)	6.730	2774363	945.839	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)	7.532	7808345	937.625	ng/ml
42) Aroclor 1260 (2)	7.665	9589273	939.904	ng/ml
43) Aroclor 1260 (3)	8.221	7355010	935.138	ng/ml
44) Aroclor 1260 (4)	8.391	17708495	951.125	ng/ml
45) Aroclor 1260 (5)	8.690	11580150	957.356	ng/ml
46) Aroclor 1260 (6)	9.081	4725786	923.979	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
12/14/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:32
 Operator : MJB / KAK
 Sample : 9L03052-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:34:01 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

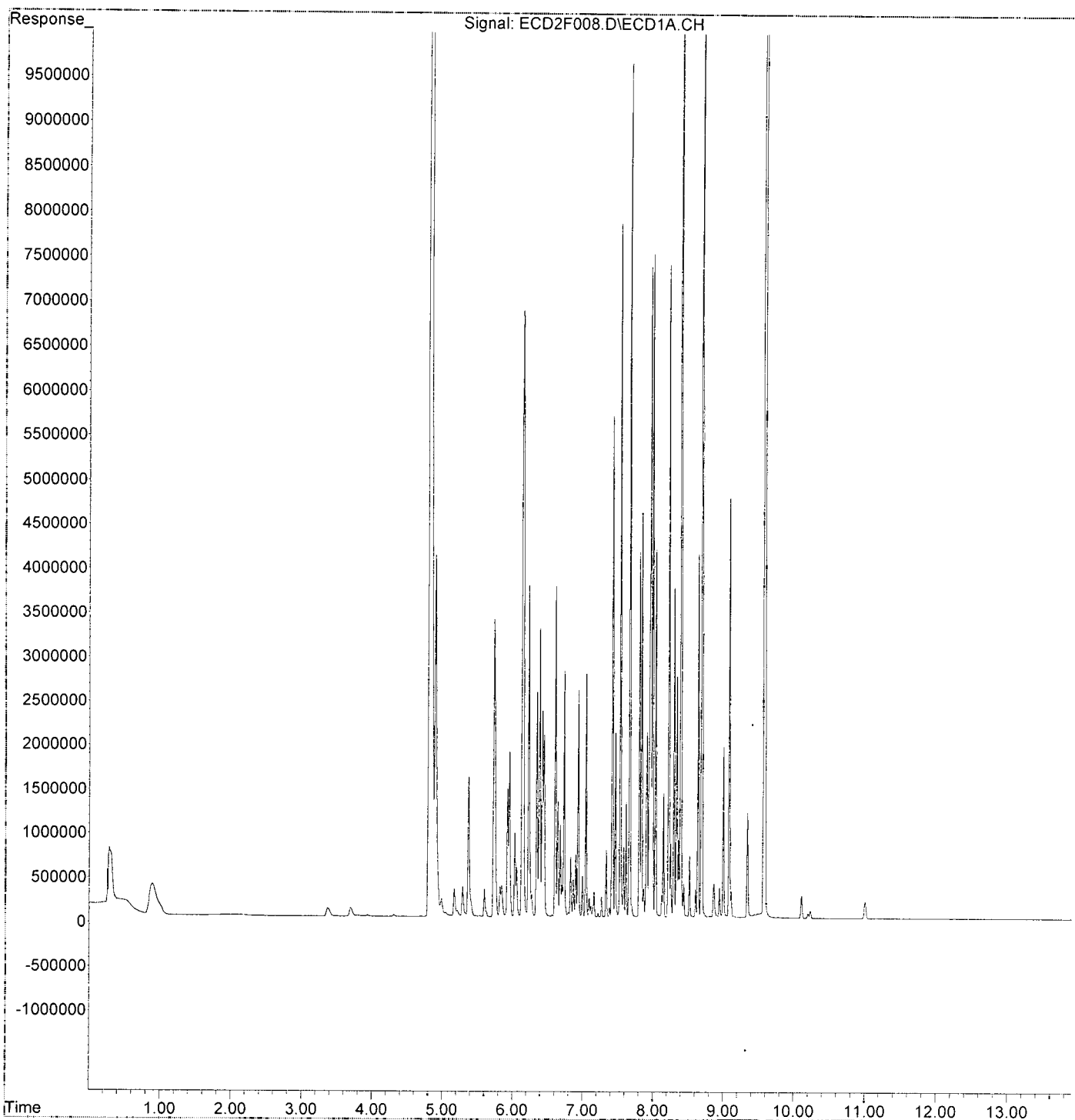
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\request\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 18:32
Operator : MJB / KAK
Sample : 9L03052-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:34:01 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:50
 Operator : MJB / KAK
 Sample : 9L03052-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:34:15 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	4.809	60673888	911.187	ng/ml ✓
62) S DCBP (S)	9.580	89202319	798.766	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	5.729	5150886	1377.995	ng/ml
3) Aroclor 1016 (2)	6.142	10450716	1452.718	ng/ml
4) Aroclor 1016 (3)	6.224	5493308	1382.686	ng/ml
5) Aroclor 1016 (4)	6.382	4711985	1317.170	ng/ml ✓
6) Aroclor 1016 (5)	6.604	5651954	1361.429	ng/ml
7) Aroclor 1016 (6)	6.730	4009865	1367.048	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)	7.532	11443339	1374.115	ng/ml
42) Aroclor 1260 (2)	7.665	15052739	1475.412	ng/ml
43) Aroclor 1260 (3)	8.221	11134634	1415.691	ng/ml ✓
44) Aroclor 1260 (4)	8.392	27659948	1485.619	ng/ml
45) Aroclor 1260 (5)	8.691	17894220	1479.353	ng/ml
46) Aroclor 1260 (6)	9.082	7455071	1457.605	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

12/1/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:50
 Operator : MJB / KAK
 Sample : 9L03052-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:34:15 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:29:22 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

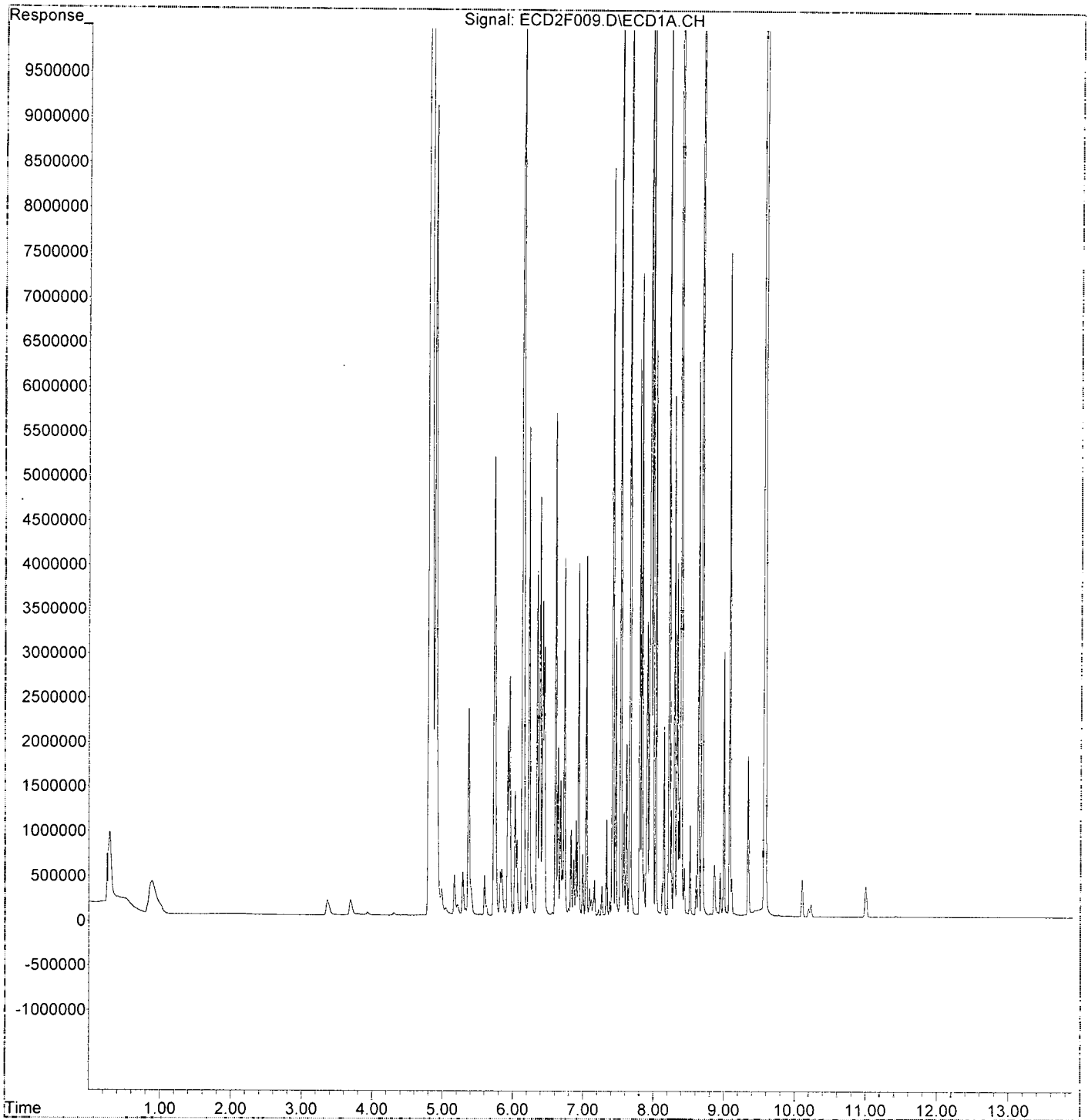
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\requant\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 18:50
Operator : MJB / KAK
Sample : 9L03052-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:34:15 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:29:22 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



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	9L03052-ICB1	E2A21015	1	Sample		
3	Vial 3	9L03052-CAL1	E2A21015	1	Sample		
4	Vial 4	9L03052-CAL2	E2A21015	1	Sample		
5	Vial 5	9L03052-CAL3	E2A21015	1	Sample		
6	Vial 6	9L03052-CAL4	E2A21015	1	Sample		
7	Vial 7	9L03052-CAL5	E2A21015	1	Sample		
8	Vial 8	9L03052-CAL6	E2A21015	1	Sample		
9	Vial 9	9L03052-CAL7	E2A21015	1	Sample		
10	Vial 1	9L03052-IBL1	E2A21015	1	Sample		
11	Vial 10	9L03052-ICV1	E2A21015	1	Sample		
12	Vial 11	9L03052-CAL8	E2A21015	1	Sample		
13	Vial 12	9L03052-CAL9	E2A21015	1	Sample		
14	Vial 13	9L03052-CALA	E2A21015	1	Sample		
15	Vial 14	9L03052-CALB	E2A21015	1	Sample		
16	Vial 15	9L03052-CALC	E2A21015	1	Sample		
17	Vial 16	9L03052-CALD	E2A21015	1	Sample		
18	Vial 17	9L03052-CALE	E2A21015	1	Sample		
19	Vial 18	9L03052-ICV2	E2A21015	1	Sample		
20	Vial 19	9L03052-ICV3	E2A21015	1	Sample		
21	Vial 20	9L03052-ICV4	E2A21015	1	Sample		
22	Vial 21	9L03052-ICV5	E2A21015	1	Sample		

Handwritten signature and date: 12/19/19

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 51	Hexane	E2A21015	1	Sample		
4	Vial 51	Hexane	E2A21015	1	Sample		
5	Vial 51	Hexane	E2A21015	1	Sample		
6	Vial 51	Hexane	E2A21015	1	Sample		
7	Vial 51	Hexane	E2A21015	1	Sample		
8	Vial 51	Hexane	E2A21015	1	Sample		
9	Vial 51	Hexane	E2A21015	1	Sample		
10	Vial 51	Hexane	E2A21015	1	Sample		
11	Vial 51	Hexane	E2A21015	1	Sample		
12	Vial 51	Hexane	E2A21015	1	Sample		
13	Vial 51	Hexane	E2A21015	1	Sample		
14	Vial 51	Hexane	E2A21015	1	Sample		
15	Vial 51	Hexane	E2A21015	1	Sample		
16	Vial 51	Hexane	E2A21015	1	Sample		
17	Vial 51	Hexane	E2A21015	1	Sample		
18	Vial 51	Hexane	E2A21015	1	Sample		
19	Vial 51	Hexane	E2A21015	1	Sample		
20	Vial 51	Hexane	E2A21015	1	Sample		
21	Vial 51	Hexane	E2A21015	1	Sample		
22	Vial 51	Hexane	E2A21015	1	Sample		

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:04
 Operator : MJB / KAK
 Sample : 9L03052-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:49:16 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.810	607866	10.347 ng/ml
62) S DCBP (S)	9.578	1085395	12.026 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.730	89904	27.283 ng/ml
3) Aroclor 1016 (2)	6.144	161114	24.967 ng/ml
4) Aroclor 1016 (3)	6.226	94866	26.936 ng/ml
5) Aroclor 1016 (4)	6.382	87352	28.487 ng/ml
6) Aroclor 1016 (5)	6.604	97448	26.883 ng/ml
7) Aroclor 1016 (6)	6.731	68287	26.990 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)	7.532	186119	26.585 ng/ml
42) Aroclor 1260 (2)	7.665	225314	25.315 ng/ml
43) Aroclor 1260 (3)	8.222	178776	26.838 ng/ml
44) Aroclor 1260 (4)	8.392	374030	23.669 ng/ml
45) Aroclor 1260 (5)	8.690	254106	24.637 ng/ml
46) Aroclor 1260 (6)	9.082	115322	26.770 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature
 12/14/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F003.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:04
 Operator : MJB / KAK
 Sample : 9L03052-CAL1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:49:16 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

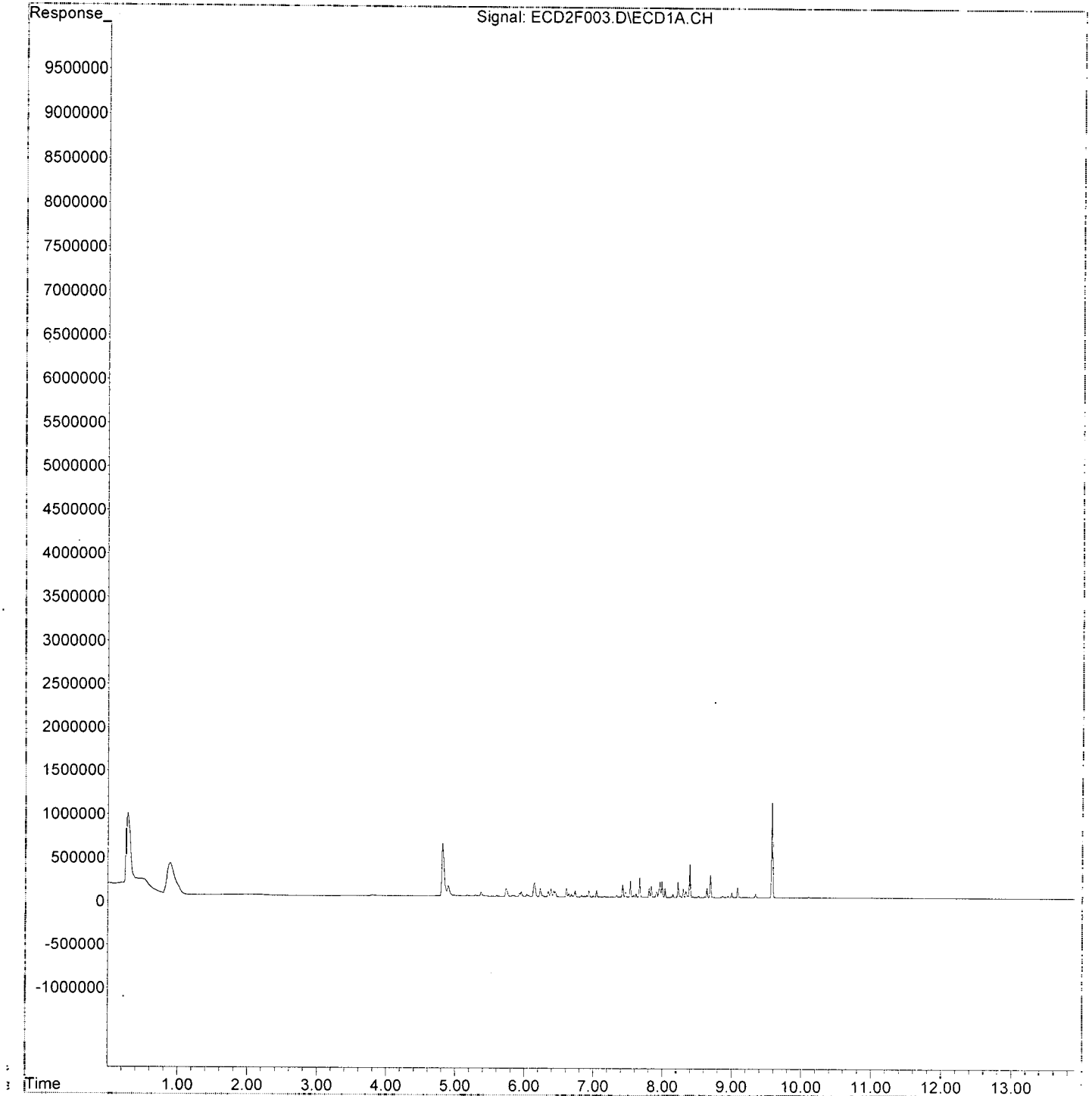
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\
Data File : ECD2F003.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:04
Operator : MJB / KAK
Sample : 9L03052-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:49:16 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:46:53 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:22
 Operator : MJB / KAK
 Sample : 9L03052-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:50:40 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.809	1520231	25.877 ng/ml
62) S DCBP (S)	9.576	2699632	29.910 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	193429	58.698 ng/ml
3) Aroclor 1016 (2)	6.143	352080	54.560 ng/ml
4) Aroclor 1016 (3)	6.225	199490	56.642 ng/ml
5) Aroclor 1016 (4)	6.381	190893	62.253 ng/ml
6) Aroclor 1016 (5)	6.604	220902	60.940 ng/ml
7) Aroclor 1016 (6)	6.731	153783	60.783 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)	7.531	418936	59.840 ng/ml
42) Aroclor 1260 (2)	7.665	506688	56.927 ng/ml
43) Aroclor 1260 (3)	8.221	402124	60.368 ng/ml
44) Aroclor 1260 (4)	8.390	944538	59.772 ng/ml
45) Aroclor 1260 (5)	8.690	615297	59.656 ng/ml
46) Aroclor 1260 (6)	9.081	258919	60.104 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

12/11/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F004.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:22
 Operator : MJB / KAK
 Sample : 9L03052-CAL2
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:50:40 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

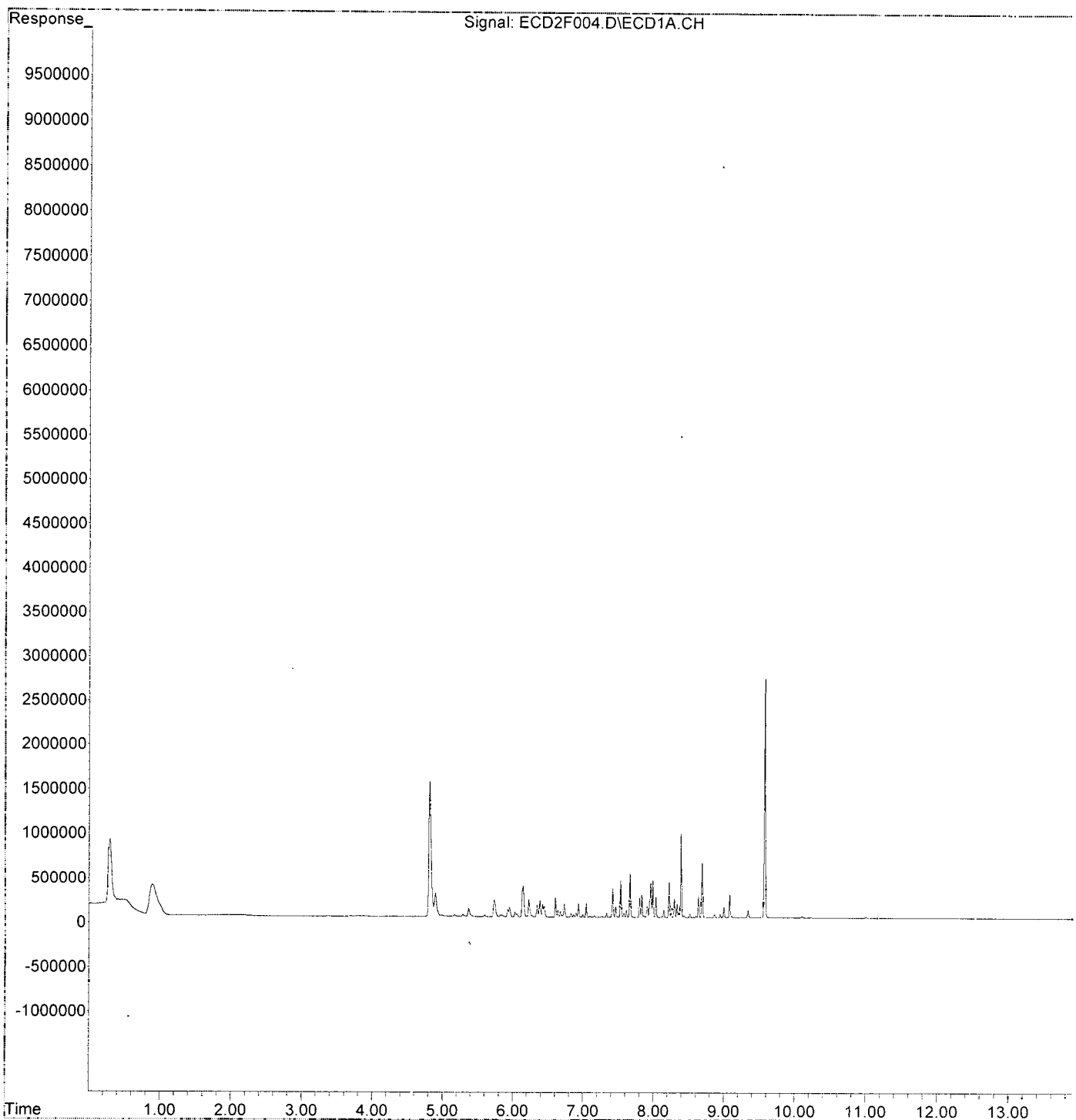
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F004.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:22
Operator : MJB / KAK
Sample : 9L03052-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:50:40 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:46:53 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:40
 Operator : MJB / KAK
 Sample : 9L03052-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:51:56 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.809	3122586	53.152 ng/ml
62) S DCBP (S)	9.577	5688932	63.030 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	374224	113.563 ng/ml
3) Aroclor 1016 (2)	6.143	710924	110.169 ng/ml
4) Aroclor 1016 (3)	6.225	390273	110.812 ng/ml
5) Aroclor 1016 (4)	6.381	356425	116.236 ng/ml
6) Aroclor 1016 (5)	6.604	404011	111.455 ng/ml
7) Aroclor 1016 (6)	6.730	290789	114.935 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)	7.531	842440	120.332 ng/ml
42) Aroclor 1260 (2)	7.665	1012879	113.799 ng/ml
43) Aroclor 1260 (3)	8.221	802199	120.429 ng/ml
44) Aroclor 1260 (4)	8.391	1832880	115.988 ng/ml
45) Aroclor 1260 (5)	8.689	1221637	118.443 ng/ml
46) Aroclor 1260 (6)	9.082	511487	118.733 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

12/11/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F005.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:40
 Operator : MJB / KAK
 Sample : 9L03052-CAL3
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:51:56 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

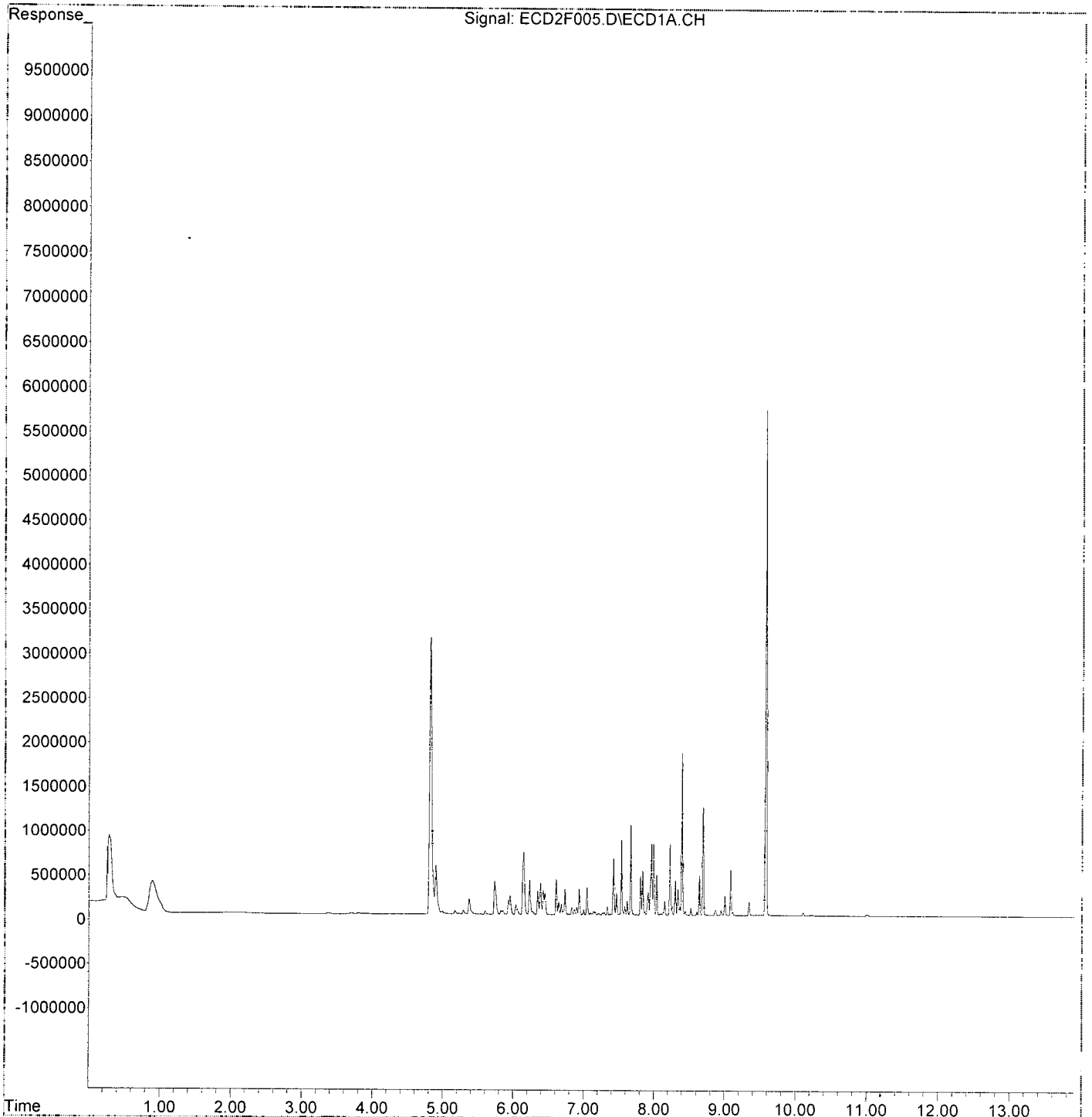
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\
Data File : ECD2F005.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:40
Operator : MJB / KAK
Sample : 9L03052-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:51:56 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:46:53 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:57
 Operator : MJB / KAK
 Sample : 9L03052-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:53:08 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.811	6242821	106.264 ng/ml
62) S DCBP (S)	9.576	10577859	117.197 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	703735	213.556 ng/ml
3) Aroclor 1016 (2)	6.143	1325963	205.479 ng/ml
4) Aroclor 1016 (3)	6.224	743377	211.070 ng/ml
5) Aroclor 1016 (4)	6.381	650662	212.191 ng/ml
6) Aroclor 1016 (5)	6.604	767420	211.709 ng/ml
7) Aroclor 1016 (6)	6.729	543631	214.871 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)	7.531	1580165	225.708 ng/ml
42) Aroclor 1260 (2)	7.665	1922759	216.026 ng/ml
43) Aroclor 1260 (3)	8.220	1455817	218.552 ng/ml
44) Aroclor 1260 (4)	8.391	3616251	228.843 ng/ml
45) Aroclor 1260 (5)	8.690	2271341	220.217 ng/ml
46) Aroclor 1260 (6)	9.080	929790	215.835 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten signature and date: 12/11/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F006.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 17:57
 Operator : MJB / KAK
 Sample : 9L03052-CAL4
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:53:08 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

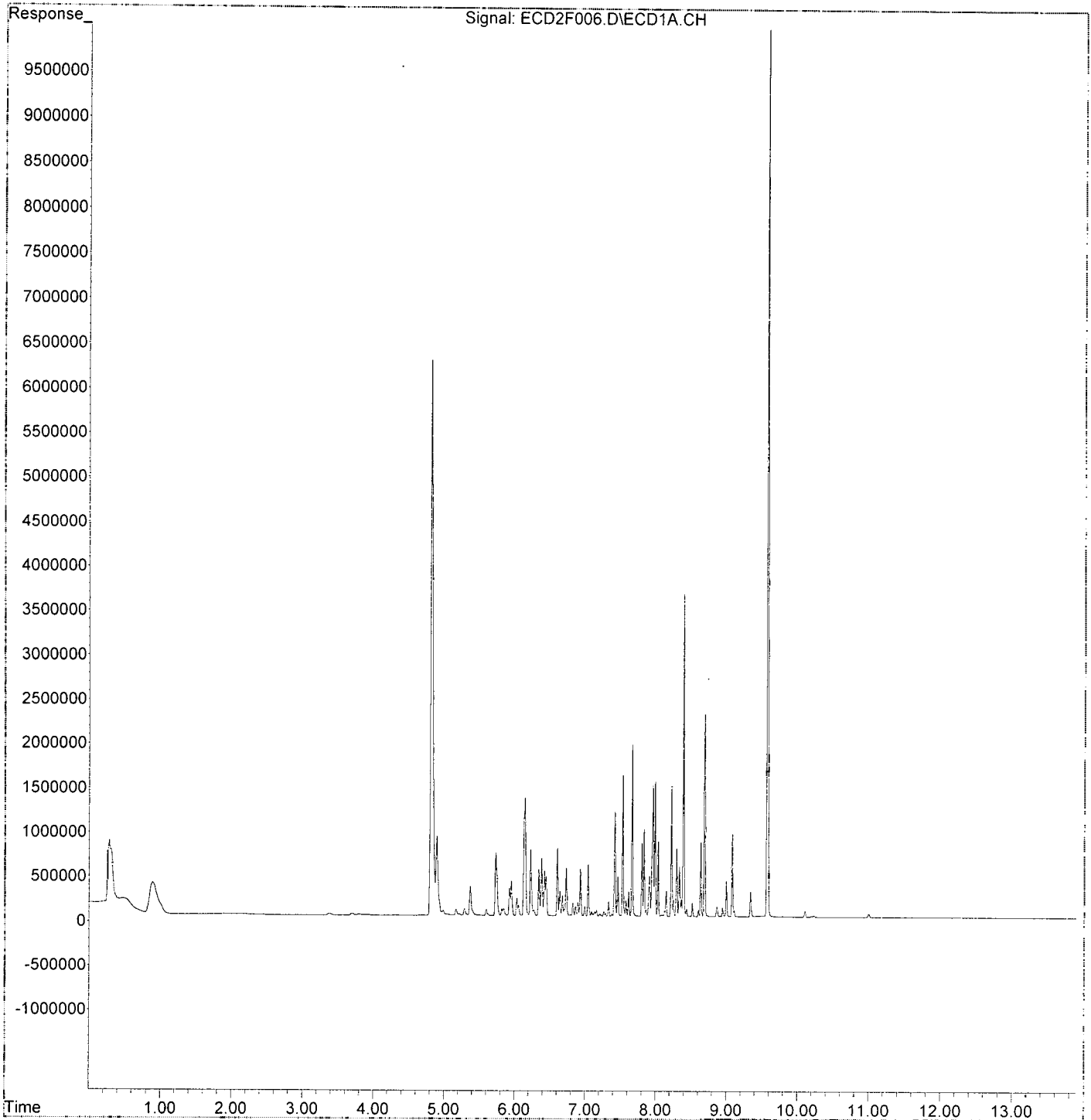
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F006.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 17:57
Operator : MJB / KAK
Sample : 9L03052-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:53:08 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:46:53 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:15
 Operator : MJB / KAK
 Sample : 9L03052-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:47:08 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.811	19144959	325.882 ng/ml
62) S DCBP (S)	9.578	31083383	344.386 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	1871482	567.923 ng/ml
3) Aroclor 1016 (2)	6.143	3859736	598.126 ng/ml
4) Aroclor 1016 (3)	6.225	2022155	574.160 ng/ml
5) Aroclor 1016 (4)	6.382	1820005	593.533 ng/ml
6) Aroclor 1016 (5)	6.604	2192154	604.752 ng/ml
7) Aroclor 1016 (6)	6.730	1484483	586.744 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)	7.532	4423699	631.872 ng/ml
42) Aroclor 1260 (2)	7.665	5325133	598.290 ng/ml
43) Aroclor 1260 (3)	8.221	3997829	600.167 ng/ml
44) Aroclor 1260 (4)	8.391	10089251	638.466 ng/ml
45) Aroclor 1260 (5)	8.690	6288943	609.741 ng/ml
46) Aroclor 1260 (6)	9.082	2699039	626.537 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

[Handwritten signature]
 12/4/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:15
 Operator : MJB / KAK
 Sample : 9L03052-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:47:08 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

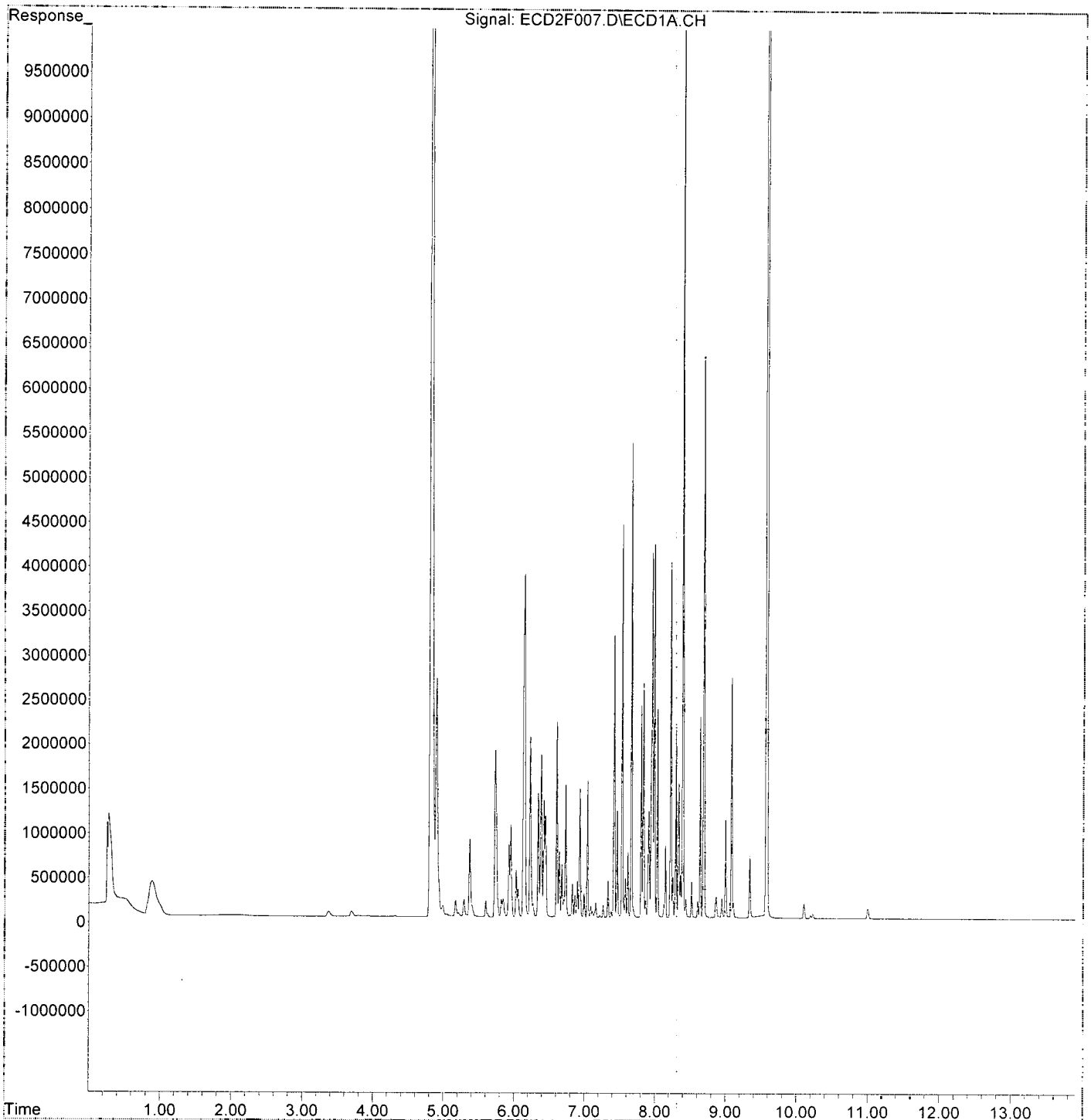
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\
 Data File : ECD2F007.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:15
 Operator : MJB / KAK
 Sample : 9L03052-CAL5
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:47:08 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:32
 Operator : MJB / KAK
 Sample : 9L03052-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:54:26 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.810	33608191	572.073 ng/ml
62) S DCBP (S)	9.578	54903816	608.303 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	3364096	1020.874 ng/ml
3) Aroclor 1016 (2)	6.142	6834377	1059.093 ng/ml
4) Aroclor 1016 (3)	6.225	3751237	1065.106 ng/ml
5) Aroclor 1016 (4)	6.382	3257104	1062.193 ng/ml
6) Aroclor 1016 (5)	6.604	3740486	1031.893 ng/ml
7) Aroclor 1016 (6)	6.730	2774363	1096.572 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)	7.532	7808345	1115.329 ng/ml
42) Aroclor 1260 (2)	7.665	9589273	1077.375 ng/ml
43) Aroclor 1260 (3)	8.221	7355010	1104.158 ng/ml
44) Aroclor 1260 (4)	8.391	17708495	1120.626 ng/ml
45) Aroclor 1260 (5)	8.690	11580150	1122.747 ng/ml
46) Aroclor 1260 (6)	9.081	4725786	1097.013 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

[Handwritten signature]
12/11/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F008.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:32
 Operator : MJB / KAK
 Sample : 9L03052-CAL6
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:54:26 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

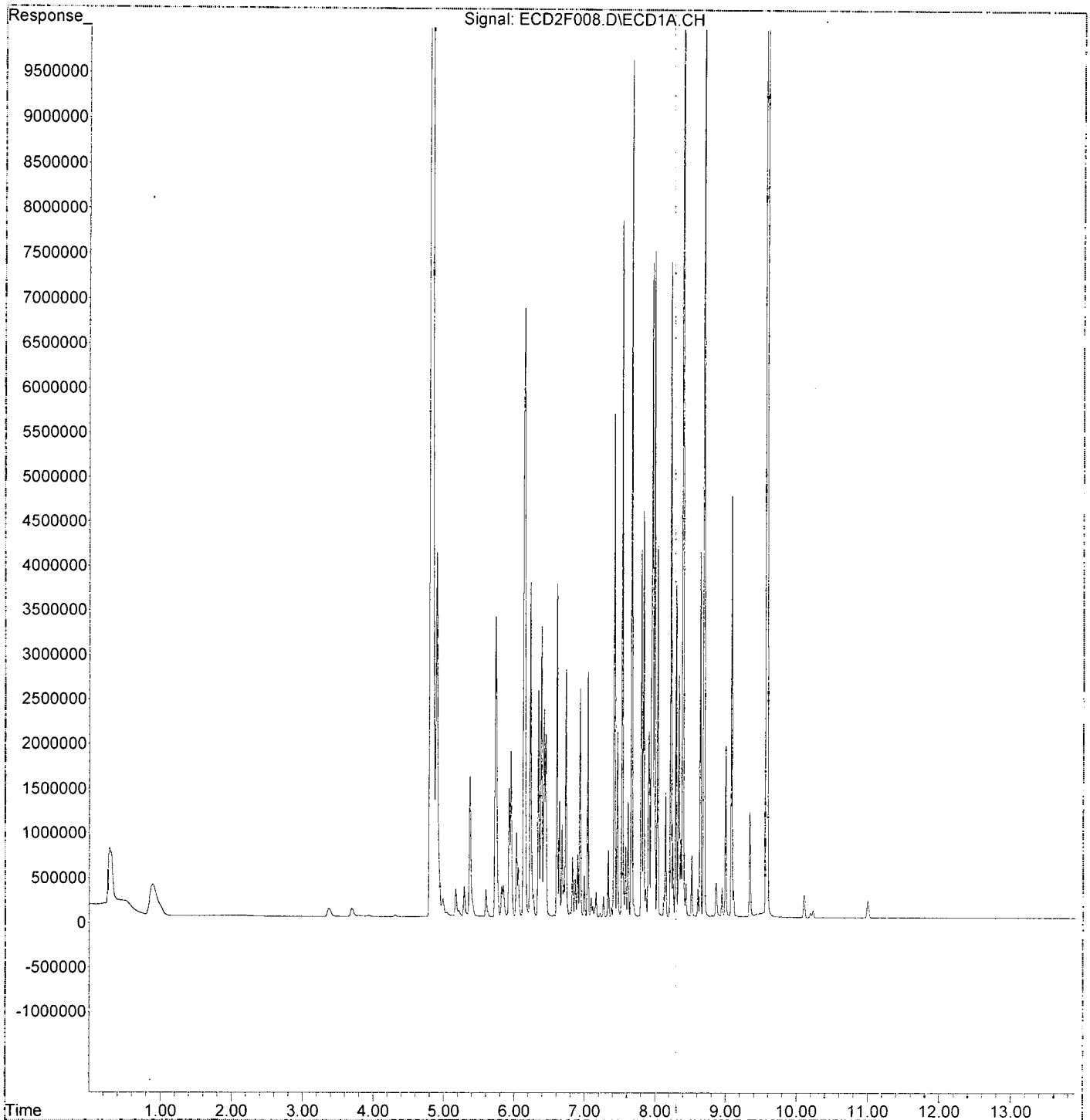
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F008.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 18:32
Operator : MJB / KAK
Sample : 9L03052-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:54:26 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:46:53 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:50
 Operator : MJB / KAK
 Sample : 9L03052-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:56:25 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	4.809	60673888	1032.780 ng/ml
62) S DCBP (S)	9.580	89202319	988.310 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	5.729	5150886	1563.096 ng/ml
3) Aroclor 1016 (2)	6.142	10450716	1619.501 ng/ml
4) Aroclor 1016 (3)	6.224	5493308	1559.740 ng/ml
5) Aroclor 1016 (4)	6.382	4711985	1536.653 ng/ml
6) Aroclor 1016 (5)	6.604	5651954	1559.212 ng/ml
7) Aroclor 1016 (6)	6.730	4009865	1584.906 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)	7.532	11443339	1634.544 ng/ml
42) Aroclor 1260 (2)	7.665	15052739	1691.206 ng/ml
43) Aroclor 1260 (3)	8.221	11134634	1671.567 ng/ml
44) Aroclor 1260 (4)	8.392	27659948	1750.371 ng/ml
45) Aroclor 1260 (5)	8.691	17894220	1734.924 ng/ml
46) Aroclor 1260 (6)	9.082	7455071	1730.572 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

12/11/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F009.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 18:50
 Operator : MJB / KAK
 Sample : 9L03052-CAL7
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:56:25 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:46:53 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

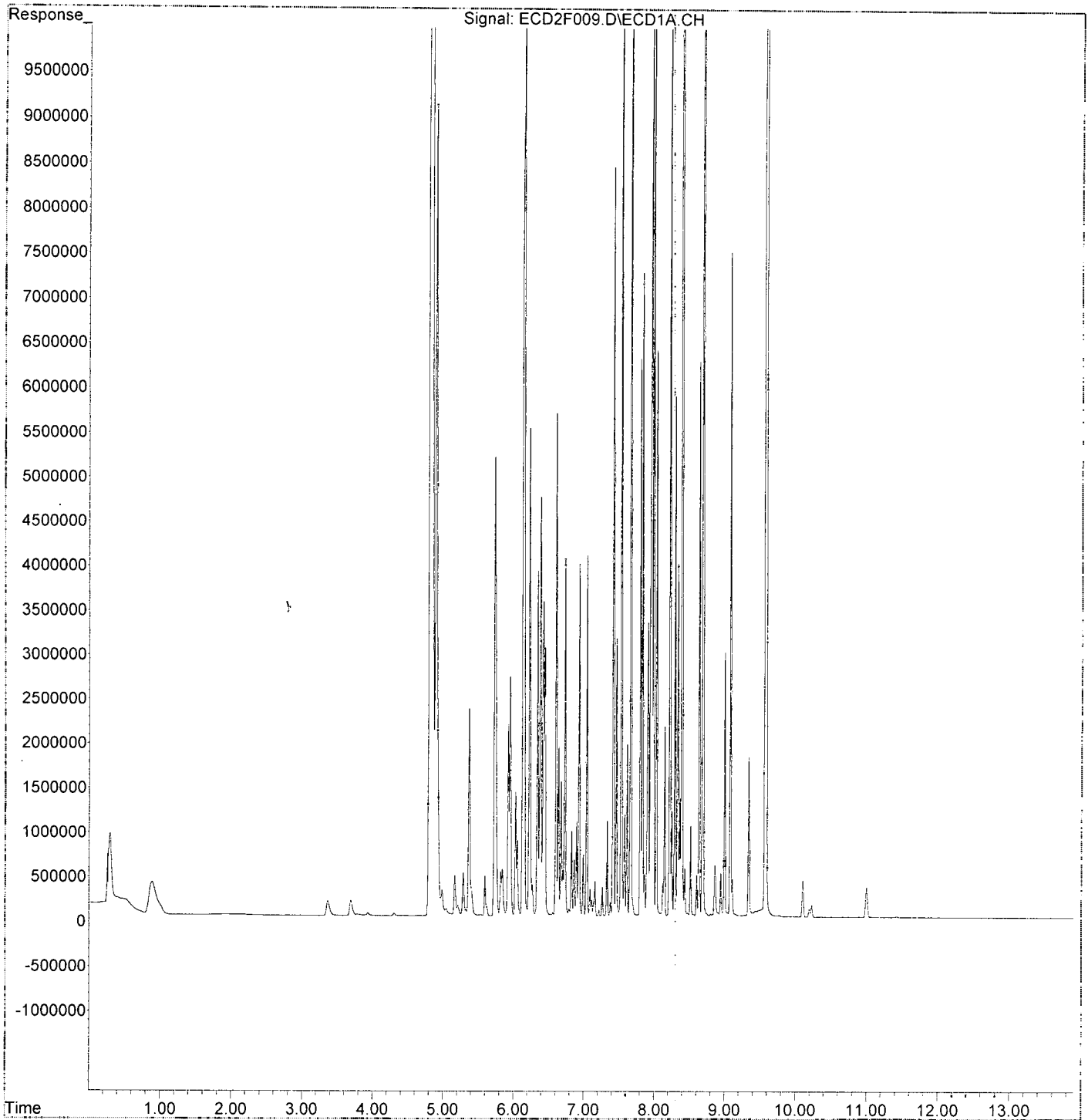
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F009.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 18:50
Operator : MJB / KAK
Sample : 9L03052-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:56:25 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:46:53 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 19:43
 Operator : MJB / KAK
 Sample : 9L03052-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:58:12 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:58:04 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	5.167	541216	548.599	ng/ml
10) Aroclor 1221 (2)	5.286	358784	549.849	ng/ml
11) Aroclor 1221 (3)	5.366	1170056	547.567	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
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

Handwritten signature and date: 12/14/19

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F012.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 19:43
 Operator : MJB / KAK
 Sample : 9L03052-CAL8
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:58:12 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:58:04 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

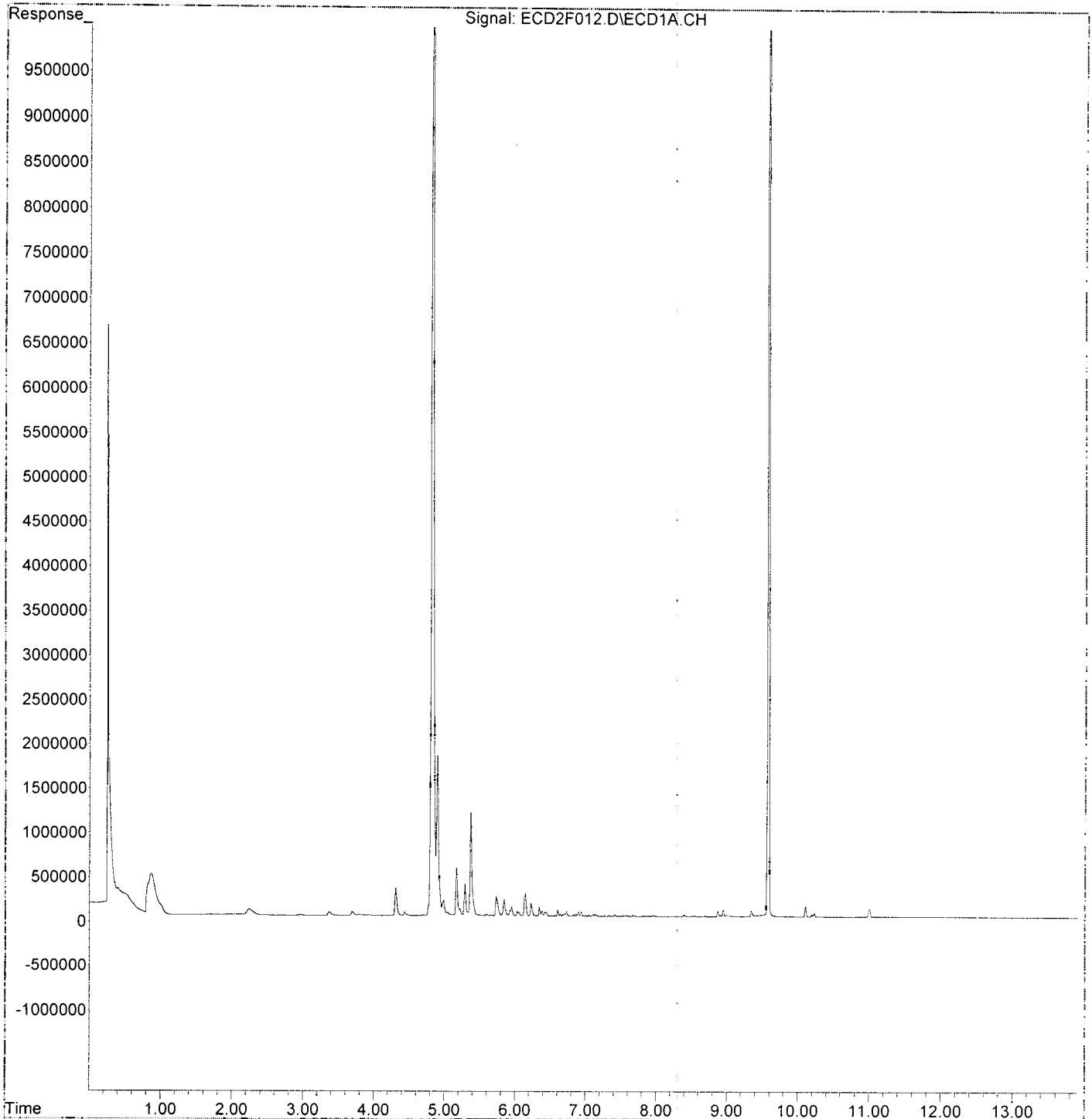
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F012.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 19:43
Operator : MJB / KAK
Sample : 9L03052-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:58:12 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:58:04 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L03052\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:01
 Operator : MJB / KAK
 Sample : 9L03052-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:59:44 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:59:38 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	5.368	888086	514.457	ng/ml
14) Aroclor 1232 (2)	6.142	1390092	546.929	ng/ml
15) Aroclor 1232 (3)	6.225	733471	527.208	ng/ml
16) Aroclor 1232 (4)	6.382	569682	572.844	ng/ml
17) Aroclor 1232 (5)	6.604	717990	566.540	ng/ml
18) Aroclor 1232 (6)	6.730	599061	579.471	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
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

Handwritten signature
 12/11/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F013.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:01
 Operator : MJB / KAK
 Sample : 9L03052-CAL9
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 14:59:44 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 14:59:38 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

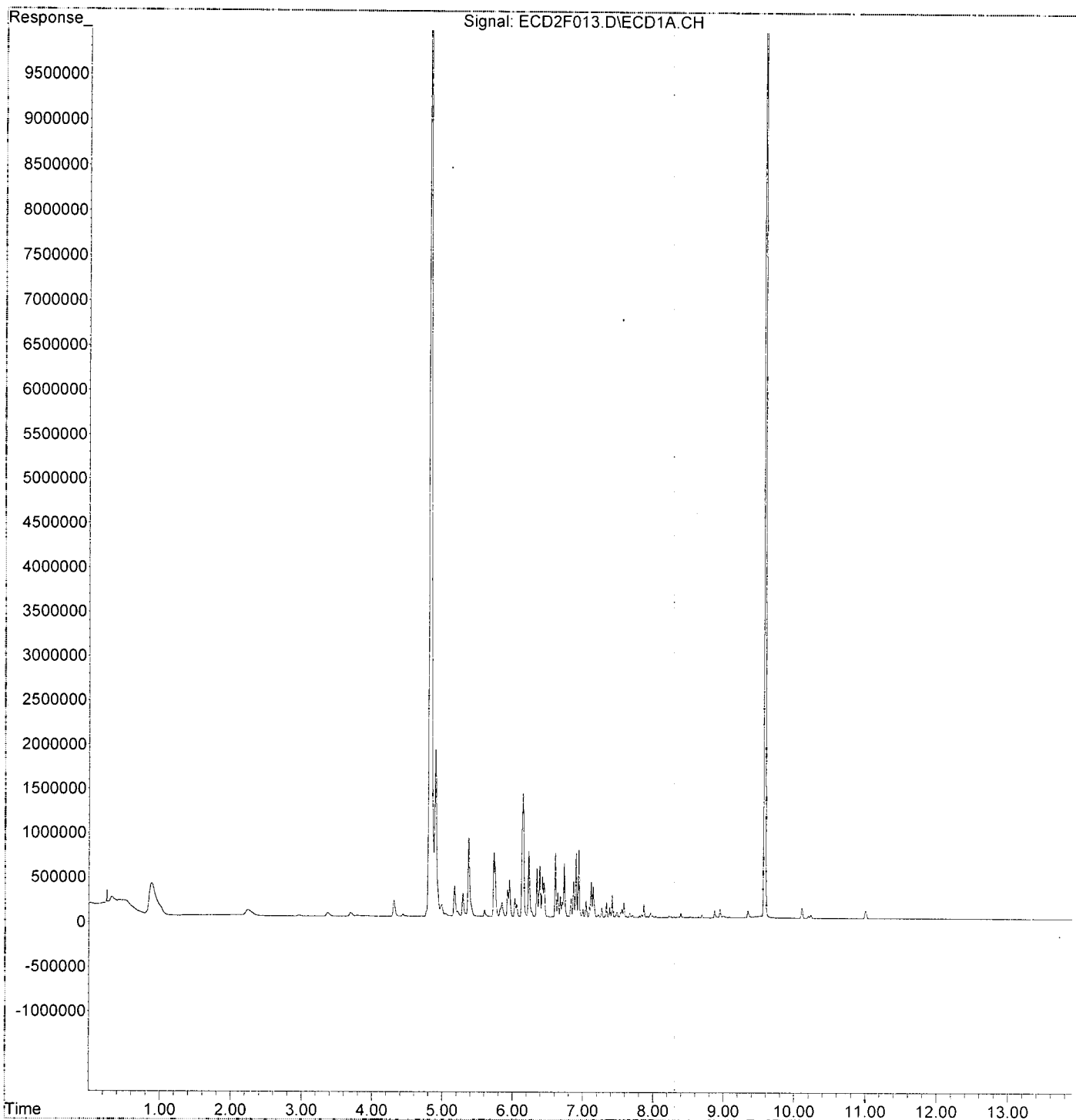
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\
Data File : ECD2F013.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 20:01
Operator : MJB / KAK
Sample : 9L03052-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 14:59:44 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 14:59:38 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L03052\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:18
 Operator : MJB / KAK
 Sample : 9L03052-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:01:14 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:01:07 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped.

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	5.728	1328013	579.386	ng/ml
21) Aroclor 1242 (2)	6.141	2593542	562.063	ng/ml
22) Aroclor 1242 (3)	6.224	1410085	581.224	ng/ml
23) Aroclor 1242 (4)	6.380	1144590	560.027	ng/ml
24) Aroclor 1242 (5)	6.603	1492353	571.145	ng/ml
25) Aroclor 1242 (6)	6.729	1254611	589.352	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
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

Handwritten signature and date: 12/12/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F014.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:18
 Operator : MJB / KAK
 Sample : 9L03052-CALA
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:01:14 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:01:07 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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

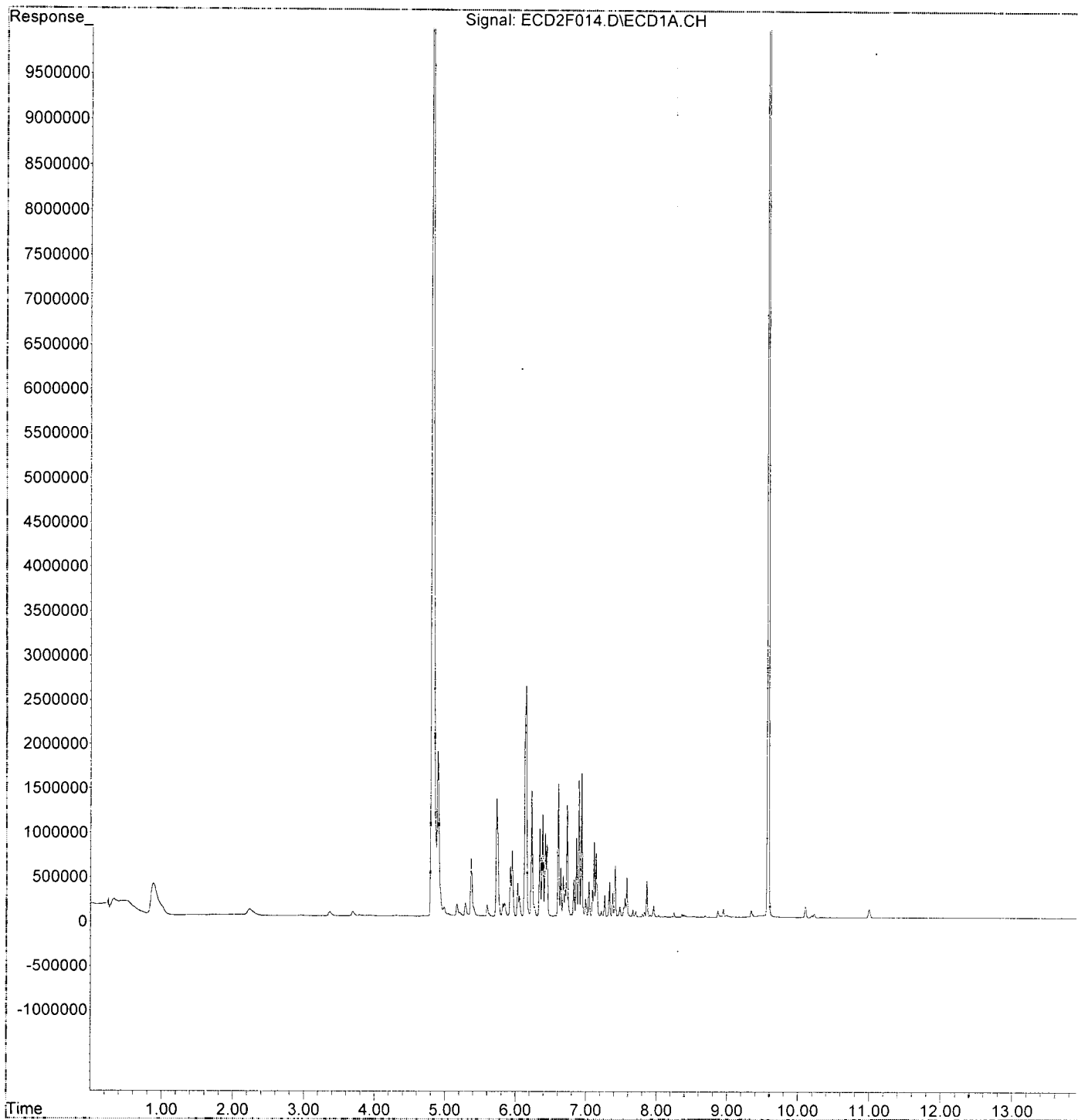
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F014.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 20:18
Operator : MJB / KAK
Sample : 9L03052-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:01:14 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:01:07 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:36
 Operator : MJB / KAK
 Sample : 9L03052-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:08:37 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 Quant Update : Wed Dec 04 15:08:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.132	1701647	573.384	ng/ml
28) Aroclor 1248 (2)	6.381	2257607	618.100	ng/ml
29) Aroclor 1248 (3)	6.602	2609430	598.171	ng/ml
30) Aroclor 1248 (4)	6.897	2902570	579.992	ng/ml
31) Aroclor 1248 (5)	6.935	3079652	600.040	ng/ml
32) Aroclor 1248 (6)	7.411	1708709	612.376	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
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

MJB 12/14/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F015.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:36
 Operator : MJB / KAK
 Sample : 9L03052-CALB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:08:37 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:08:29 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

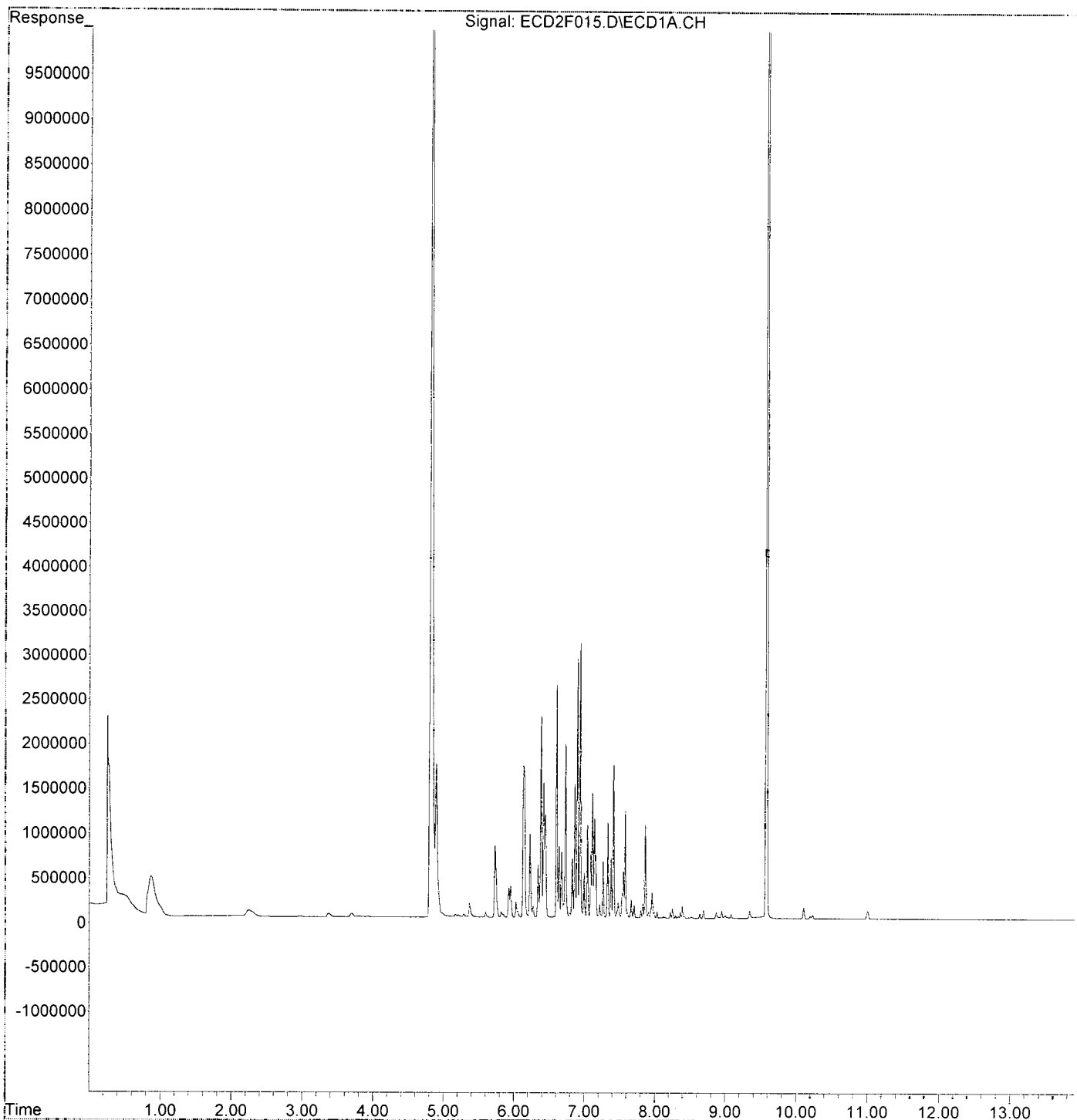
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\9L03052\
Data File : ECD2F015.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 20:36
Operator : MJB / KAK
Sample : 9L03052-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:08:37 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:08:29 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:53
 Operator : MJB / KAK
 Sample : 9L03052-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:10:17 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:10:11 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.931	2999059	566.437	ng/ml
35) Aroclor 1254 (2)	7.041	3643784	577.886	ng/ml
36) Aroclor 1254 (3)	7.412	5604987	589.510	ng/ml
37) Aroclor 1254 (4)	7.578	3565014	559.341	ng/ml
38) Aroclor 1254 (5)	7.959	3829495	583.093	ng/ml
39) Aroclor 1254 (6)	8.251	1246944	598.592	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
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

MJB
12/4/19

Data Path : K:\DATA\9L03052\
 Data File : ECD2F016.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 20:53
 Operator : MJB / KAK
 Sample : 9L03052-CALC
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:10:17 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:10:11 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

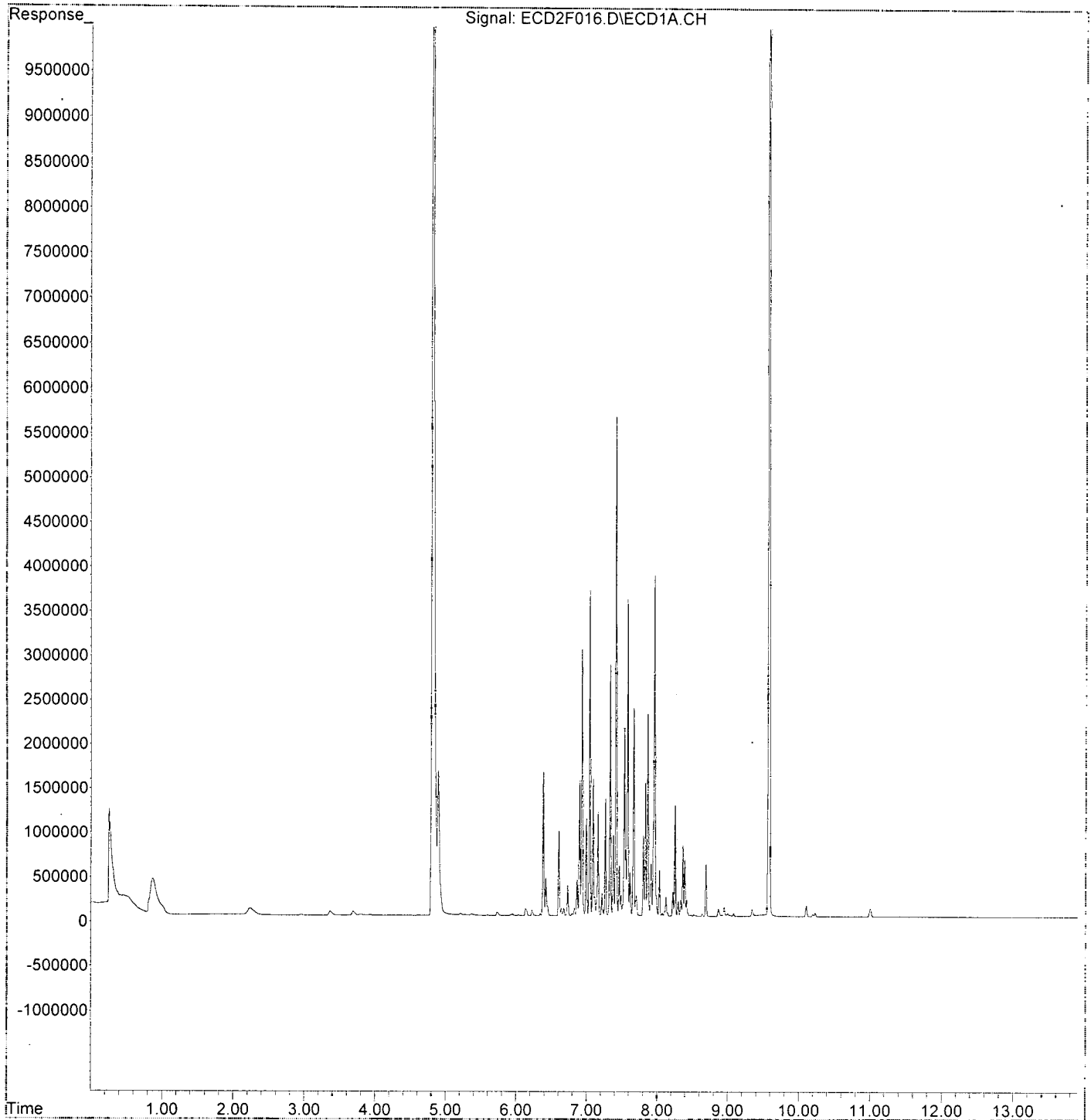
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\9L03052\
Data File : ECD2F016.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 20:53
Operator : MJB / KAK
Sample : 9L03052-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:10:17 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:10:11 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\9L03052\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 21:11
 Operator : MJB / KAK
 Sample : 9L03052-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:11:52 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:11:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 12/14/19

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
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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F017.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 21:11
 Operator : MJB / KAK
 Sample : 9L03052-CALD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:11:52 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:11:45 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	7.664	4023207	603.629 ng/ml
49) Aroclor 1262 (2)	7.988	5612535	601.336 ng/ml
50) Aroclor 1262 (3)	8.220	4852466	611.448 ng/ml
51) Aroclor 1262 (4)	8.390	10330047	587.616 ng/ml
52) Aroclor 1262 (5)	8.688	6541182	608.155 ng/ml
53) Aroclor 1262 (6)	9.081	3338319	586.149 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
 12/14/19

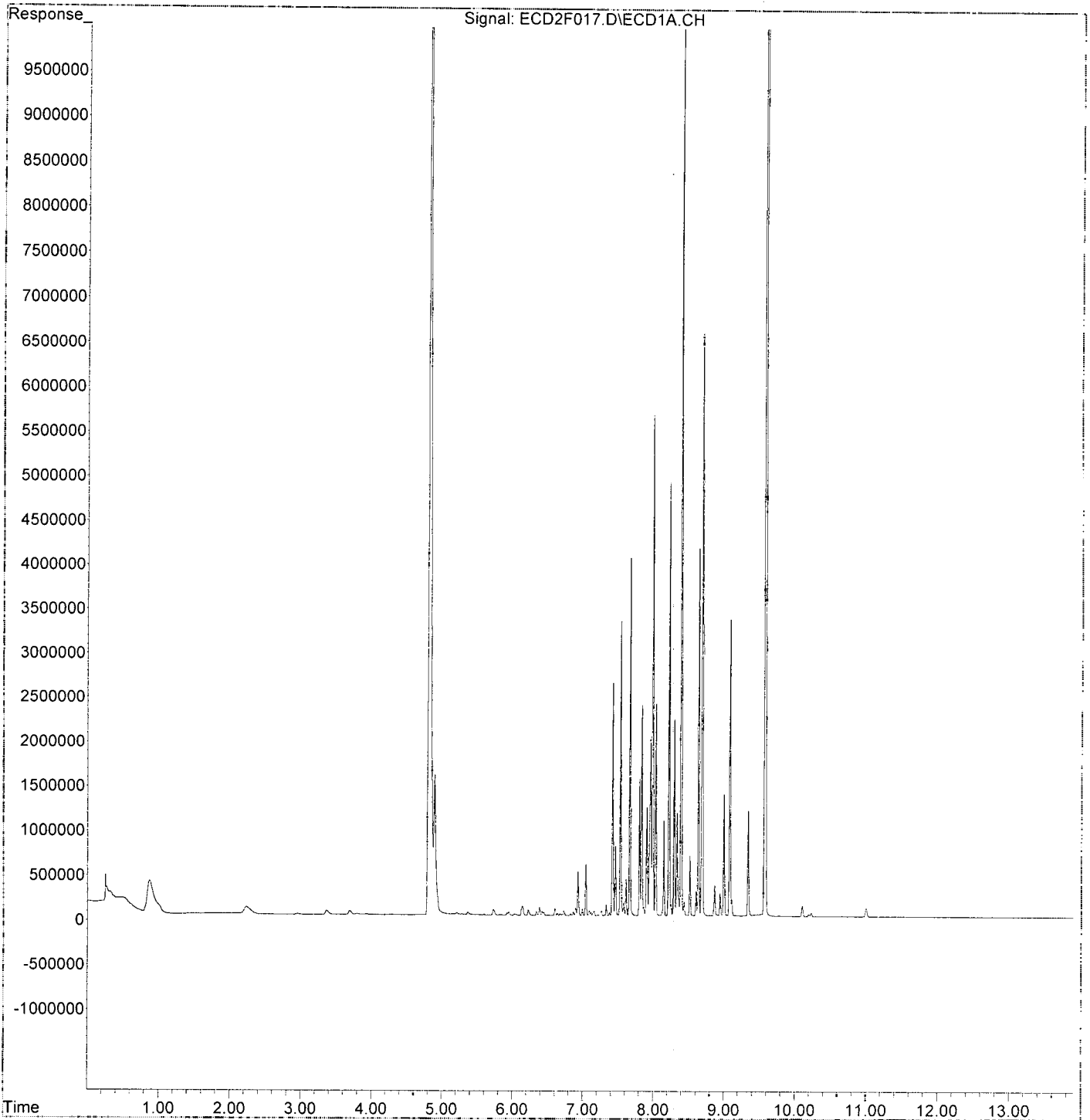
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F017.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 21:11
Operator : MJB / KAK
Sample : 9L03052-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:11:52 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:11:45 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 21:29
 Operator : MJB / KAK
 Sample : 9L03052-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:13:26 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:13:19 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 12/14/19

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
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

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
 Data File : ECD2F018.D
 Signal(s) : ECD1A.CH
 Acq On : 03 Dec 2019 21:29
 Operator : MJB / KAK
 Sample : 9L03052-CALE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
 Quant Time: Dec 04 15:13:26 2019
 Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
 Quant Title : PCB Data Analysis
 QLast Update : Wed Dec 04 15:13:19 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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)	8.212	2552118	620.744	ng/ml
56) Aroclor 1268 (2)	8.637	12262824	603.513	ng/ml
57) Aroclor 1268 (3)	8.685	10207095	608.706	ng/ml
58) Aroclor 1268 (4)	8.867	9576694	629.111	ng/ml
59) Aroclor 1268 (5)	9.081	3874868	615.533	ng/ml
60) Aroclor 1268 (6)	9.340	26141757	603.570	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

Handwritten signature
 12/19/19

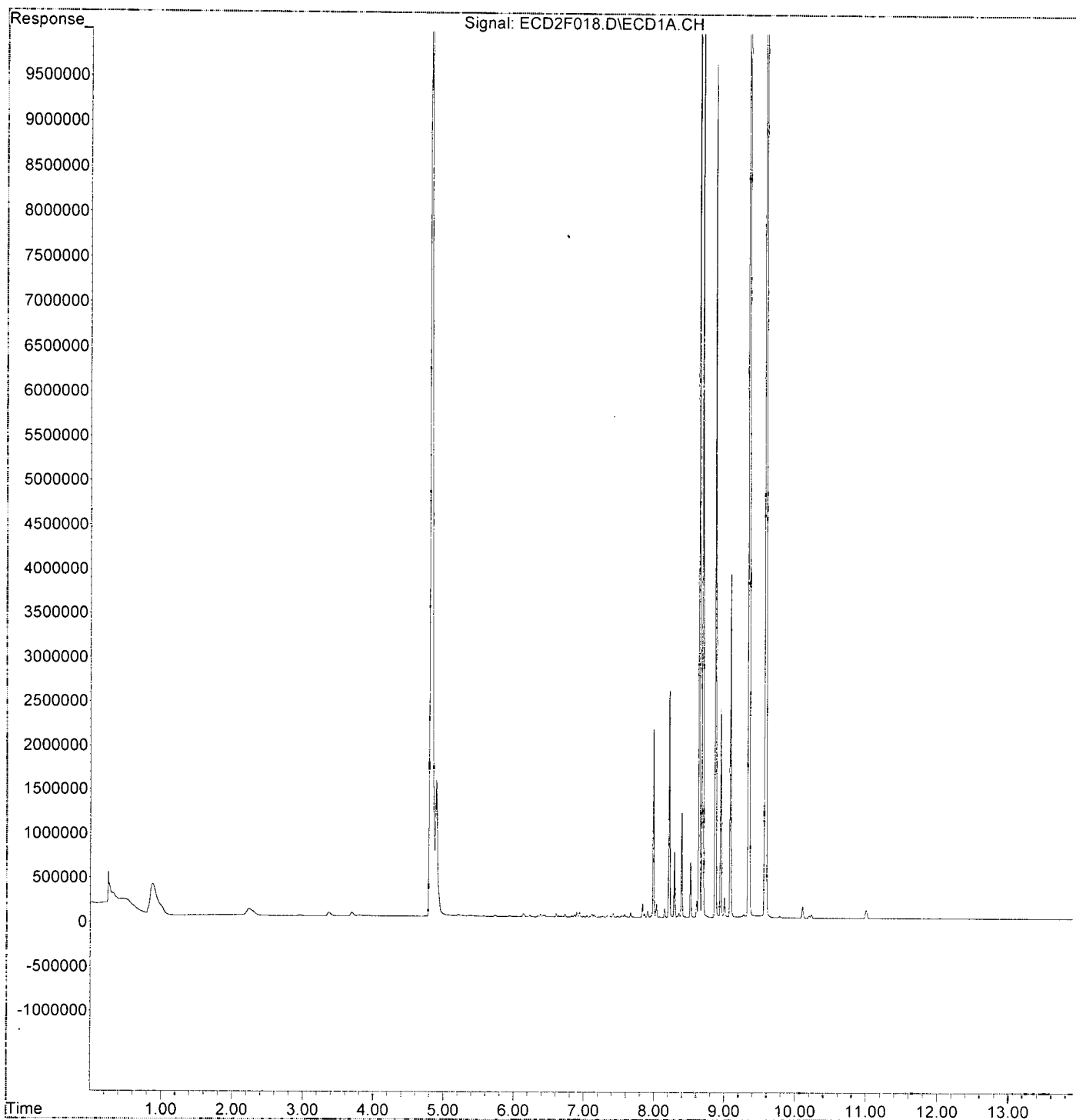
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : K:\DATA\9L03052\
Data File : ECD2F018.D
Signal(s) : ECD1A.CH
Acq On : 03 Dec 2019 21:29
Operator : MJB / KAK
Sample : 9L03052-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Dec 04 15:13:26 2019
Quant Method : K:\METHODS\FECD2_QUANTPCB_191203.M
Quant Title : PCB Data Analysis
QLast Update : Wed Dec 04 15:13:19 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Polychlorinated Biphenyls by EPA 8082A
Calibration Data**

Sequence 0A13050 (Cal ID A0A1501) DUALECD2R



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0A13050

Instrument: DUALECD2R

Date: 01/13/20 16:03

Calibration: A0A1501

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A13050-ICB1	Water	QC	QC				A19L339
2	0A13050-CAL1	Water	QC	QC				A19L280
3	0A13050-CAL2	Water	QC	QC				A19L281
4	0A13050-CAL3	Water	QC	QC				A19L282
5	0A13050-CAL4	Water	QC	QC				A19L283
6	0A13050-CAL5	Water	QC	QC				A19L276
7	0A13050-CAL6	Water	QC	QC				A19L278
8	0A13050-CAL7	Water	QC	QC				A19L279
9	0A13050-IBL1	Water	QC	QC				
10	0A13050-ICV1	Water	QC	QC				A19H459
11	0A13050-CAL8	Water	QC	QC				A19H447
12	0A13050-CAL9	Water	QC	QC				A19H448
13	0A13050-CALA	Water	QC	QC				A19H449
14	0A13050-CALB	Water	QC	QC				A19H450
15	0A13050-CALC	Water	QC	QC				A19H451
16	0A13050-CALD	Water	QC	QC				A19H452
17	0A13050-CALE	Water	QC	QC				A19H453
18	0A13050-ICV2	Water	QC	QC				A19H405
19	0A13050-ICV3	Water	QC	QC				A19J367
20	0A13050-ICV4	Water	QC	QC				A19H406
21	0A13050-ICV5	Water	QC	QC				A19L037

Data Entered By: MC 1/15/20

Comments:

Data Reviewed By: MC 1/16/2020

Calibration Status Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response Via : Initial Calibration

AOA1501

[Signature]
 1/15/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	K:\DATA\0A13050\ECD2R005.D
2	2	25	0	K:\DATA\0A13050\ECD2R006.D
3	3	50	0	K:\DATA\0A13050\ECD2R007.D
4	4	100	0	K:\DATA\0A13050\ECD2R008.D
5	5	250	0	K:\DATA\0A13050\ECD2R020.D
6	6	500	0	K:\DATA\0A13050\ECD2R010.D
7	7	800	0	K:\DATA\0A13050\ECD2R011.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 14 09:33 2020	Jan 14 08:56 2020	13 Jan 2020 17:33
2	2	Jan 14 09:33 2020	Jan 14 09:03 2020	13 Jan 2020 17:50
3	3	Jan 14 09:34 2020	Jan 14 09:04 2020	13 Jan 2020 18:08
4	4	Jan 14 09:34 2020	Jan 14 09:05 2020	13 Jan 2020 18:25
5	5	Jan 14 09:35 2020	Jan 14 09:32 2020	13 Jan 2020 21:57
6	6	Jan 14 09:34 2020	Jan 14 09:06 2020	13 Jan 2020 19:01
7	7	Jan 14 09:34 2020	Jan 14 09:07 2020	13 Jan 2020 19:18

RECD2_QUANTPCB_200113.M Tue Jan 14 11:44:09 2020

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 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

[Handwritten signature]
 1/15/20

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	2.096	2.125	2.217	2.268	2.155	2.497	2.256	E5 6.90
2) Aroclor 1016 ...	7.264	6.876	6.397	5.954	5.672	5.624	6.182	E3 11.06 ✓
3) Aroclor 1016 ...	1.247	1.196	1.143	1.167	1.097	1.103	1.144	E4 5.70 ✓
4) Aroclor 1016 ...	5.802	5.801	5.370	5.336	5.078	5.146	5.357	E3 6.26 ✓
5) Aroclor 1016 ...	5.870	5.571	5.194	4.910	4.407	4.339	4.941	E3 12.78 ✓
6) Aroclor 1016 ...	6.569	6.159	5.693	5.382	5.074	5.224	5.546	E3 11.60 ✓
7) Aroclor 1016 (6)	6.761	6.310	5.881	5.800	5.148	5.150	5.713	E3 11.80 ✓
8) Aroclor 1016 ...							0.000	-1.00
9) Aroclor 1221 (1)					1.738		1.738	E3 0.00
10) Aroclor 1221 (2)					1.717		1.717	E3 0.00
11) Aroclor 1221 (3)					5.707		5.707	E3 0.00
12) Aroclor 1221 ...							0.000	-1.00
13) Aroclor 1232 (1)					4.570		4.570	E3 0.00
14) Aroclor 1232 (2)					2.603		2.603	E3 0.00
15) Aroclor 1232 (3)					4.892		4.892	E3 0.00
16) Aroclor 1232 (4)					1.692		1.692	E3 0.00
17) Aroclor 1232 (5)					2.081		2.081	E3 0.00
18) Aroclor 1232 (6)					2.170		2.170	E3 0.00
19) Aroclor 1232 ...							0.000	-1.00
20) Aroclor 1242 ...					4.546		4.546	E3 0.00
21) Aroclor 1242 ...					8.822		8.822	E3 0.00
22) Aroclor 1242 ...					3.830		3.830	E3 0.00
23) Aroclor 1242 ...					3.304		3.304	E3 0.00
24) Aroclor 1242 ...					3.994		3.994	E3 0.00
25) Aroclor 1242 (6)					4.171		4.171	E3 0.00
26) Aroclor 1242 ...							0.000	-1.00
27) Aroclor 1248 ...					5.162		5.162	E3 0.00
28) Aroclor 1248 ...					6.359		6.359	E3 0.00
29) Aroclor 1248 ...					5.936		5.936	E3 0.00
30) Aroclor 1248 ...					7.296		7.296	E3 0.00
31) Aroclor 1248 ...					8.902		8.902	E3 0.00
32) Aroclor 1248 (6)					8.141		8.141	E3 0.00
33) Aroclor 1248 ...							0.000	-1.00
34) Aroclor 1254 ...					8.474		8.474	E3 0.00
35) Aroclor 1254 ...					1.391		1.391	E4 0.00
36) Aroclor 1254 ...					1.517		1.517	E4 0.00
37) Aroclor 1254 ...					1.092		1.092	E4 0.00
38) Aroclor 1254 ...					1.125		1.125	E4 0.00
39) Aroclor 1254 (6)					3.527		3.527	E3 0.00
40) Aroclor 1254 ...							0.000	-1.00
41) Aroclor 1260 ...	1.182	1.082	1.060	1.047	1.016	1.012	1.053	E4 6.43 ✓
42) Aroclor 1260 ...	1.405	1.313	1.321	1.256	1.230	1.230	1.276	E4 5.91 ✓
43) Aroclor 1260 (3)	1.412	1.348	1.327	1.372	1.308	1.296	1.326	E4 4.63 ✓
44) Aroclor 1260 (4)	2.073	2.096	2.051	2.126	2.099	2.189	2.115	E4 2.39 ✓
45) Aroclor 1260 (5)	1.290	1.217	1.220	1.236	1.214	1.207	1.223	E4 2.75 ✓
46) Aroclor 1260 (6)	5.119	5.238	4.789	5.045	4.784	4.595	4.880	E3 5.26 ✓
47) Aroclor 1260 ...							0.000	-1.00
48) Aroclor 1262 (1)					1.057		1.057	E4 0.00
49) Aroclor 1262 (2)					1.528		1.528	E4 0.00
50) Aroclor 1262 (3)					1.280		1.280	E4 0.00
51) Aroclor 1262 (4)					2.752		2.752	E4 0.00
52) Aroclor 1262 (5)					1.642		1.642	E4 0.00
53) Aroclor 1262 (6)					7.201		7.201	E3 0.00
54) Aroclor 1262 ...							0.000	-1.00
55) Aroclor 1268 (1)					6.232		6.232	E3 0.00
56) Aroclor 1268 (2)					2.777		2.777	E4 0.00
57) Aroclor 1268 (3)					2.252		2.252	E4 0.00
58) Aroclor 1268 (4)					1.925		1.925	E4 0.00
59) Aroclor 1268 (5)					7.823		7.823	E3 0.00
60) Aroclor 1268 (6)					5.062		5.062	E4 0.00

Response Factor Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 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
61) Aroclor 1268 ...							0.000	-1.00
62) S DCBP (S)	1.071	1.102	1.079	1.089	1.009	1.172	1.112 E5	7.40 ✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report HP G1530A

Method Path : L:\Methods\
 Method File : RECD2_QUANTPCB_200113.M
 Title : PCB Data Analysis
 Last Update : Tue Jan 14 09:35:58 2020
 Response Via : Initial Calibration

Total Cpnds : 62

Handwritten signature
 1/15/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.629	1.000	A	H	R
2	Aroclor 1016 (1)	6.300	1.000	A	H	R
3	Aroclor 1016 (2)	6.789	1.000	A	H	R
4	Aroclor 1016 (3)	6.916	1.000	A	H	R
5	Aroclor 1016 (4)	7.003	1.000	A	H	R
6	Aroclor 1016 (5)	7.048	1.000	A	H	R
7	Aroclor 1016 (6)	7.173	1.000	A	H	R
8	Aroclor 1016 - AVE	1.729	1.000	A	H	R
9	Aroclor 1221 (1)	5.806	1.000	A	H	R
10	Aroclor 1221 (2)	5.878	1.000	A	H	R
11	Aroclor 1221 (3)	5.965	1.000	A	H	R
12	Aroclor 1221 - AVE	1.729	1.000	A	H	R
13	Aroclor 1232 (1)	5.963	1.000	A	H	R
14	Aroclor 1232 (2)	6.298	1.000	A	H	R
15	Aroclor 1232 (3)	6.789	1.000	A	H	R
16	Aroclor 1232 (4)	7.002	1.000	A	H	R
17	Aroclor 1232 (5)	7.047	1.000	A	H	R
18	Aroclor 1232 (6)	7.172	1.000	A	H	R
19	Aroclor 1232 - AVE	1.729	1.000	A	H	R
20	Aroclor 1242 (1)	6.299	1.000	A	H	R
21	Aroclor 1242 (2)	6.788	1.000	A	H	R
22	Aroclor 1242 (3)	6.916	1.000	A	H	R
23	Aroclor 1242 (4)	7.003	1.000	A	H	R
24	Aroclor 1242 (5)	7.047	1.000	A	H	R
25	Aroclor 1242 (6)	7.172	1.000	A	H	R
26	Aroclor 1242 - AVE	1.729	1.000	A	H	R
27	Aroclor 1248 (1)	6.761	1.000	A	H	R
28	Aroclor 1248 (2)	7.003	1.000	A	H	R
29	Aroclor 1248 (3)	7.047	1.000	A	H	R
30	Aroclor 1248 (4)	7.172	1.000	A	H	R
31	Aroclor 1248 (5)	7.538	1.000	A	H	R
32	Aroclor 1248 (6)	7.695	1.000	A	H	R
33	Aroclor 1248 - AVE	1.729	1.000	A	H	R
34	Aroclor 1254 (1)	7.515	1.000	A	H	R
35	Aroclor 1254 (2)	7.696	1.000	A	H	R
36	Aroclor 1254 (3)	8.006	1.000	A	H	R
37	Aroclor 1254 (4)	8.246	1.000	A	H	R
38	Aroclor 1254 (5)	8.580	1.000	A	H	R
39	Aroclor 1254 (6)	8.810	1.000	A	H	R
40	Aroclor 1254 - AVE	1.729	1.000	A	H	R
41	Aroclor 1260 (1)	8.144	1.000	A	H	R
42	Aroclor 1260 (2)	8.350	1.000	A	H	R
43	Aroclor 1260 (3)	8.582	1.000	A	H	R
44	Aroclor 1260 (4)	9.066	1.000	A	H	R
45	Aroclor 1260 (5)	9.324	1.000	A	H	R
46	Aroclor 1260 (6)	9.890	1.000	A	H	R
47	Aroclor 1260 - AVE	1.729	1.000	A	H	R
48	Aroclor 1262 (1)	8.349	1.000	A	H	R
49	Aroclor 1262 (2)	8.650	1.000	A	H	R
50	Aroclor 1262 (3)	8.828	1.000	A	H	R
51	Aroclor 1262 (4)	9.065	1.000	A	H	R
52	Aroclor 1262 (5)	9.324	1.000	A	H	R
53	Aroclor 1262 (6)	9.888	1.000	A	H	R
54	Aroclor 1262 - AVE	1.729	1.000	A	H	R
55	Aroclor 1268 (1)	8.867	1.000	A	H	R
56	Aroclor 1268 (2)	9.324	1.000	A	H	R

57	Aroclor 1268 (3)	9.390	1.000	A	H	R
58	Aroclor 1268 (4)	9.601	1.000	A	H	R
59	Aroclor 1268 (5)	9.888	1.000	A	H	R
60	Aroclor 1268 (6)	10.237	1.000	A	H	R
61	Aroclor 1268 - AVE	1.728	1.000	A	H	R
62	S DCBP (S)	10.552	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_200113.M Tue Jan 14 11:43:59 2020

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

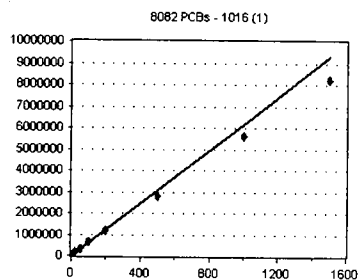
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

1016 (1)

Curve Fit: **AVERAGE RF**

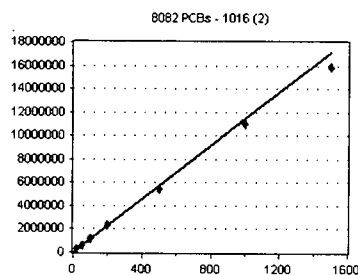


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	145279	7263.950	6.30
0A13050-CAL2	50	343821	6876.420	6.30
0A13050-CAL3	100	639728	6397.280	6.30
0A13050-CAL4	200	1190843	5954.215	6.30
0A13050-CAL5	500	2835860	5671.720	6.30
0A13050-CAL6	1000	5624087	5624.087	6.30
0A13050-CAL7	1500	8229290	5486.193	6.30

AVE RF 6181.981 RF RSD 11.06 AVE RT 6.30

1016 (2)

Curve Fit: **AVERAGE RF**

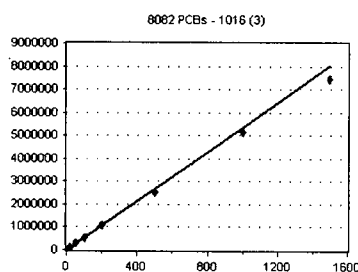


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	249458	12472.900	6.79
0A13050-CAL2	50	597996	11959.920	6.79
0A13050-CAL3	100	1142660	11426.600	6.79
0A13050-CAL4	200	2334544	11672.720	6.79
0A13050-CAL5	500	5484312	10968.620	6.79
0A13050-CAL6	1000	102544E+07	11025.440	6.79
0A13050-CAL7	1500	584486E+07	10563.240	6.79

AVE RF 11441.350 RF RSD 5.70 AVE RT 6.79

1016 (3)

Curve Fit: **AVERAGE RF**

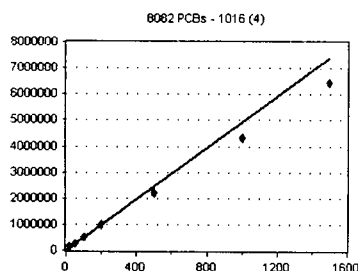


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	116035	5801.750	6.92
0A13050-CAL2	50	290069	5801.380	6.92
0A13050-CAL3	100	536991	5369.910	6.92
0A13050-CAL4	200	1067264	5336.320	6.92
0A13050-CAL5	500	2538905	5077.810	6.92
0A13050-CAL6	1000	5145954	5145.954	6.92
0A13050-CAL7	1500	7443643	4962.429	6.92

AVE RF 5356.508 RF RSD 6.26 AVE RT 6.92

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	117409	5870.450	7.00
0A13050-CAL2	50	278534	5570.680	7.00
0A13050-CAL3	100	519409	5194.090	7.00
0A13050-CAL4	200	981904	4909.520	7.00
0A13050-CAL5	500	2203390	4406.780	7.00
0A13050-CAL6	1000	4338878	4338.878	7.00
0A13050-CAL7	1500	6442401	4294.934	7.00

AVE RF 4940.762 RF RSD 12.78 AVE RT 7.00

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

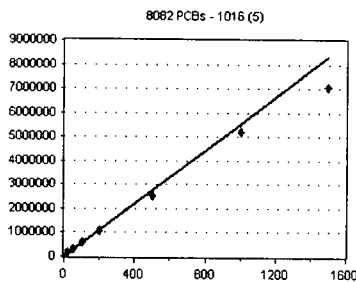
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

1016 (5)

Curve Fit: **AVERAGE RF**

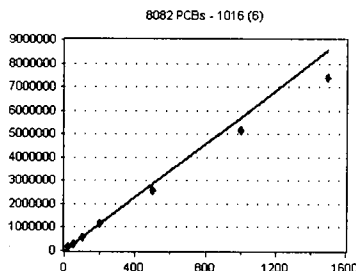


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	131375	6568.750	7.05
0A13050-CAL2	50	307931	6158.620	7.05
0A13050-CAL3	100	569313	5693.130	7.05
0A13050-CAL4	200	1076394	5381.970	7.05
0A13050-CAL5	500	2536989	5073.978	7.05
0A13050-CAL6	1000	5224293	5224.293	7.05
0A13050-CAL7	1500	7076827	4717.885	7.05

AVE RF 5545.518 RF RSD 11.60 AVE RT 7.05

1016 (6)

Curve Fit: **AVERAGE RF**

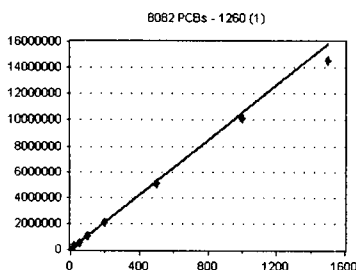


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	135212	6760.600	7.17
0A13050-CAL2	50	315508	6310.160	7.17
0A13050-CAL3	100	588135	5881.350	7.17
0A13050-CAL4	200	1160064	5800.320	7.17
0A13050-CAL5	500	2573883	5147.766	7.17
0A13050-CAL6	1000	5149713	5149.713	7.17
0A13050-CAL7	1500	7407214	4938.143	7.17

AVE RF 5712.579 RF RSD 11.80 AVE RT 7.17

1260 (1)

Curve Fit: **AVERAGE RF**

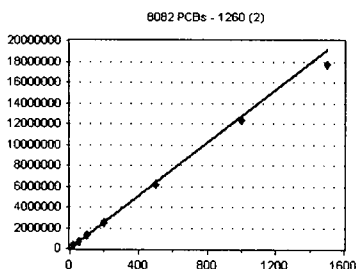


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	236430	11821.500	8.14
0A13050-CAL2	50	540959	10819.180	8.14
0A13050-CAL3	100	1060465	10604.650	8.14
0A13050-CAL4	200	2093221	10466.110	8.14
0A13050-CAL5	500	5080914	10161.830	8.14
0A13050-CAL6	1000	012309E+07	10123.090	8.14
0A13050-CAL7	1500	454805E+07	9698.700	8.14

AVE RF 10527.860 RF RSD 6.43 AVE RT 8.14

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	280991	14049.550	8.35
0A13050-CAL2	50	656411	13128.220	8.35
0A13050-CAL3	100	1321460	13214.600	8.35
0A13050-CAL4	200	2511397	12556.990	8.35
0A13050-CAL5	500	6152313	12304.630	8.35
0A13050-CAL6	1000	229876E+07	12298.760	8.35
0A13050-CAL7	1500	767673E+07	11784.490	8.35

AVE RF 12762.460 RF RSD 5.91 AVE RT 8.35

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

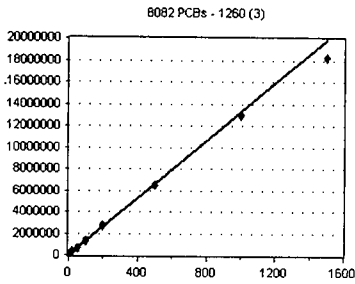
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

1260 (3)

Curve Fit: **AVERAGE RF**

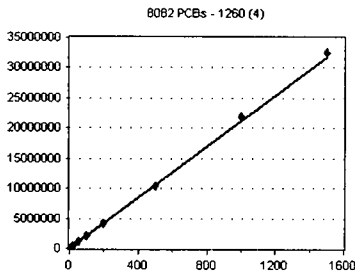


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	282360	14118.000	8.58
0A13050-CAL2	50	674172	13483.440	8.58
0A13050-CAL3	100	1327338	13273.380	8.58
0A13050-CAL4	200	2744238	13721.190	8.58
0A13050-CAL5	500	6540031	13080.060	8.58
0A13050-CAL6	1000	296167E+07	12961.670	8.58
0A13050-CAL7	1500	828554E+07	12190.360	8.58

AVE RF **13261.160** **RF RSD** **4.63** **AVE RT** **8.58**

1260 (4)

Curve Fit: **AVERAGE RF**

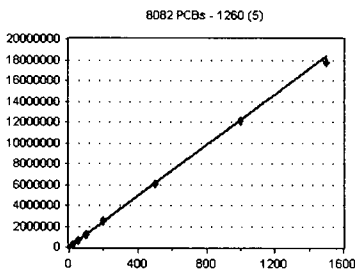


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	414593	20729.650	9.07
0A13050-CAL2	50	1047953	20959.060	9.07
0A13050-CAL3	100	2051063	20510.630	9.07
0A13050-CAL4	200	4251874	21259.370	9.07
0A13050-CAL5	500	049673E+07	20993.460	9.07
0A13050-CAL6	1000	188659E+07	21886.590	9.07
0A13050-CAL7	1500	259284E+07	21728.560	9.07

AVE RF **21152.470** **RF RSD** **2.39** **AVE RT** **9.07**

1260 (5)

Curve Fit: **AVERAGE RF**

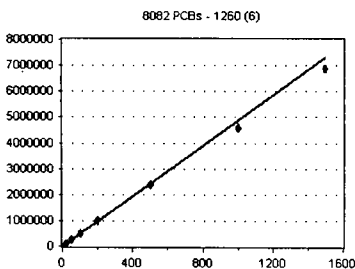


Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	257901	12895.050	9.33
0A13050-CAL2	50	608364	12167.280	9.33
0A13050-CAL3	100	1220407	12204.070	9.33
0A13050-CAL4	200	2471890	12359.450	9.33
0A13050-CAL5	500	6070844	12141.690	9.33
0A13050-CAL6	1000	207436E+07	12074.360	9.33
0A13050-CAL7	1500	770177E+07	11801.180	9.33

AVE RF **12234.730** **RF RSD** **2.75** **AVE RT** **9.33**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A13050-CAL1	20	102375	5118.750	9.89
0A13050-CAL2	50	261903	5238.060	9.89
0A13050-CAL3	100	478851	4788.510	9.89
0A13050-CAL4	200	1008936	5044.680	9.89
0A13050-CAL5	500	2392226	4784.452	9.89
0A13050-CAL6	1000	4594659	4594.659	9.89
0A13050-CAL7	1500	6885880	4590.586	9.89

AVE RF **4879.957** **RF RSD** **5.26** **AVE RT** **9.89**

Element Calibration Review Sheet

Calibration ID: **A0A1501**

Instrument: **DUALECD2R**

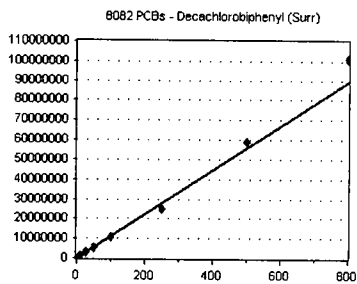
Calibration Date: **01/15/2020**

Analysis: **8082 PCBs**

Instrument Cal ID: **RECD2_QUANTPCB_20011**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response Factor</u>	<u>RT</u>
0A13050-CAL1	10	1070638	107063.800	10.55
0A13050-CAL2	25	2755983	110239.300	10.55
0A13050-CAL3	50	5396453	107929.100	10.55
0A13050-CAL4	100	089172E+07	108917.200	10.55
0A13050-CAL5	250	521832E+07	100873.300	10.55
0A13050-CAL6	500	859571E+07	117191.400	10.55
0A13050-CAL7	800	010814E+08	126351.800	10.55

AVE RF **111223.700** RF RSD **7.40** AVE RT **10.55**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A13050

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) +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
0A13050-ICB1	Initial Cal Blank	Water	A19L339		1/13/2020 5:15:00PM
0A13050-CAL1	Cal Standard	Water	A19L280	"	1/13/2020 5:33:00PM
0A13050-CAL2	Cal Standard	Water	A19L281	"	1/13/2020 5:50:00PM
0A13050-CAL3	Cal Standard	Water	A19L282	"	1/13/2020 6:08:00PM
0A13050-CAL4	Cal Standard	Water	A19L283	"	1/13/2020 6:25:00PM
0A13050-CAL5	Cal Standard	Water	A19L276	"	1/13/2020 6:43:00PM
0A13050-CAL6	Cal Standard	Water	A19L278	"	1/13/2020 7:01:00PM
0A13050-CAL7	Cal Standard	Water	A19L279	"	1/13/2020 7:18:00PM
0A13050-ICV1	Initial Cal Check	Water	A19H459	"	1/13/2020 7:54:00PM
0A13050-CAL8	Cal Standard	Water	A19H447	"	1/13/2020 8:11:00PM
0A13050-CAL9	Cal Standard	Water	A19H448	"	1/13/2020 8:29:00PM
0A13050-CALA	Cal Standard	Water	A19H449	"	1/13/2020 8:46:00PM
0A13050-CALB	Cal Standard	Water	A19H450	"	1/13/2020 9:04:00PM
0A13050-CALC	Cal Standard	Water	A19H451	"	1/13/2020 9:22:00PM
0A13050-CALD	Cal Standard	Water	A19H452	"	1/13/2020 9:39:00PM
0A13050-CALE	Cal Standard	Water	A19H453	"	1/13/2020 9:57:00PM
0A13050-ICV2	Initial Cal Check	Water	A19H405	"	1/13/2020 10:15:00PM
0A13050-ICV3	Initial Cal Check	Water	A19J367	"	1/13/2020 10:32:00PM
0A13050-ICV4	Initial Cal Check	Water	A19H406	"	1/13/2020 10:50:00PM
0A13050-ICV5	Initial Cal Check	Water	A19L037	"	1/14/2020 8:02:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0A1501 Instrument: DUALECD2R

1311/8082 TCLP PCBs Sequence: 0A13050 Matrix: Water

0A13050-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	
0A13050-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: 0A13050

Aroclor 1016	0.0000	0.00	50.0	0	
Aroclor 1260	0.0000	0.00	50.0	0	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-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	
0A13050-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1254	0.0000	0.00	500	0	
Aroclor 1254	0.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A13050

0A13050-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	
0A13050-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: **A0A1501** Instrument: **DUALECD2R**

608 PCBs - LL (1000/1mL) +1 Sequence: **0A13050** Matrix: **Water**

0A13050-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.

Data Path : K:\DATA\0A13050\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:15
 Operator : MJB / KAK
 Sample : 0A13050-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/14/20
Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.630	20489642	90.812 ng/ml
62) S DCBP (S)	10.551	10248760	92.145 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.307	2281	0.369 ng/ml
3) Aroclor 1016 (2)	6.801	10752	0.940 ng/ml
4) Aroclor 1016 (3)	6.911	6858	1.280 ng/ml
5) Aroclor 1016 (4)	7.004	8287	1.677 ng/ml
6) Aroclor 1016 (5)	7.042	8379	1.511 ng/ml
7) Aroclor 1016 (6)	7.167	10112	1.770 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.806	6155	3.543 ng/ml
10) Aroclor 1221 (2)	5.880	2591	1.509 ng/ml
11) Aroclor 1221 (3)	5.949	32038	5.614 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.949	32038	7.010 ng/ml
14) Aroclor 1232 (2)	6.307	2281	0.877 ng/ml
15) Aroclor 1232 (3)	6.801	10752	2.198 ng/ml
16) Aroclor 1232 (4)	7.004	8287	4.898 ng/ml
17) Aroclor 1232 (5)	7.042	8379	4.027 ng/ml
18) Aroclor 1232 (6)	7.167	10112	4.661 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.307	2281	0.502 ng/ml
21) Aroclor 1242 (2)	6.801	10752	1.219 ng/ml
22) Aroclor 1242 (3)	6.911	6858	1.791 ng/ml
23) Aroclor 1242 (4)	7.004	8287	2.509 ng/ml
24) Aroclor 1242 (5)	7.042	8379	2.098 ng/ml
25) Aroclor 1242 (6)	7.167	10112	2.425 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.756	5790	1.122 ng/ml
28) Aroclor 1248 (2)	7.004	8287	1.303 ng/ml
29) Aroclor 1248 (3)	7.042	8379	1.412 ng/ml
30) Aroclor 1248 (4)	7.167	10112	1.386 ng/ml
31) Aroclor 1248 (5)	7.538	44690	5.020 ng/ml
32) Aroclor 1248 (6)	7.679	43107	5.295 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.495	12470	1.472 ng/ml
35) Aroclor 1254 (2)	7.679	43107	3.099 ng/ml
36) Aroclor 1254 (3)	8.002	12574	0.829 ng/ml
37) Aroclor 1254 (4)	8.266	37477	3.433 ng/ml
38) Aroclor 1254 (5)	8.581	4733	0.421 ng/ml
39) Aroclor 1254 (6)	8.814	1031	0.292 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.144	11404	1.083 ng/ml
42) Aroclor 1260 (2)	8.351	8866	0.695 ng/ml
43) Aroclor 1260 (3)	8.581	4733	0.357 ng/ml
44) Aroclor 1260 (4)	9.066	3813	0.180 ng/ml
45) Aroclor 1260 (5)	9.322	4847	0.396 ng/ml
46) Aroclor 1260 (6)	9.899	14949	3.063 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R004.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:15
 Operator : MJB / KAK
 Sample : 0A13050-ICB1
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:02 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

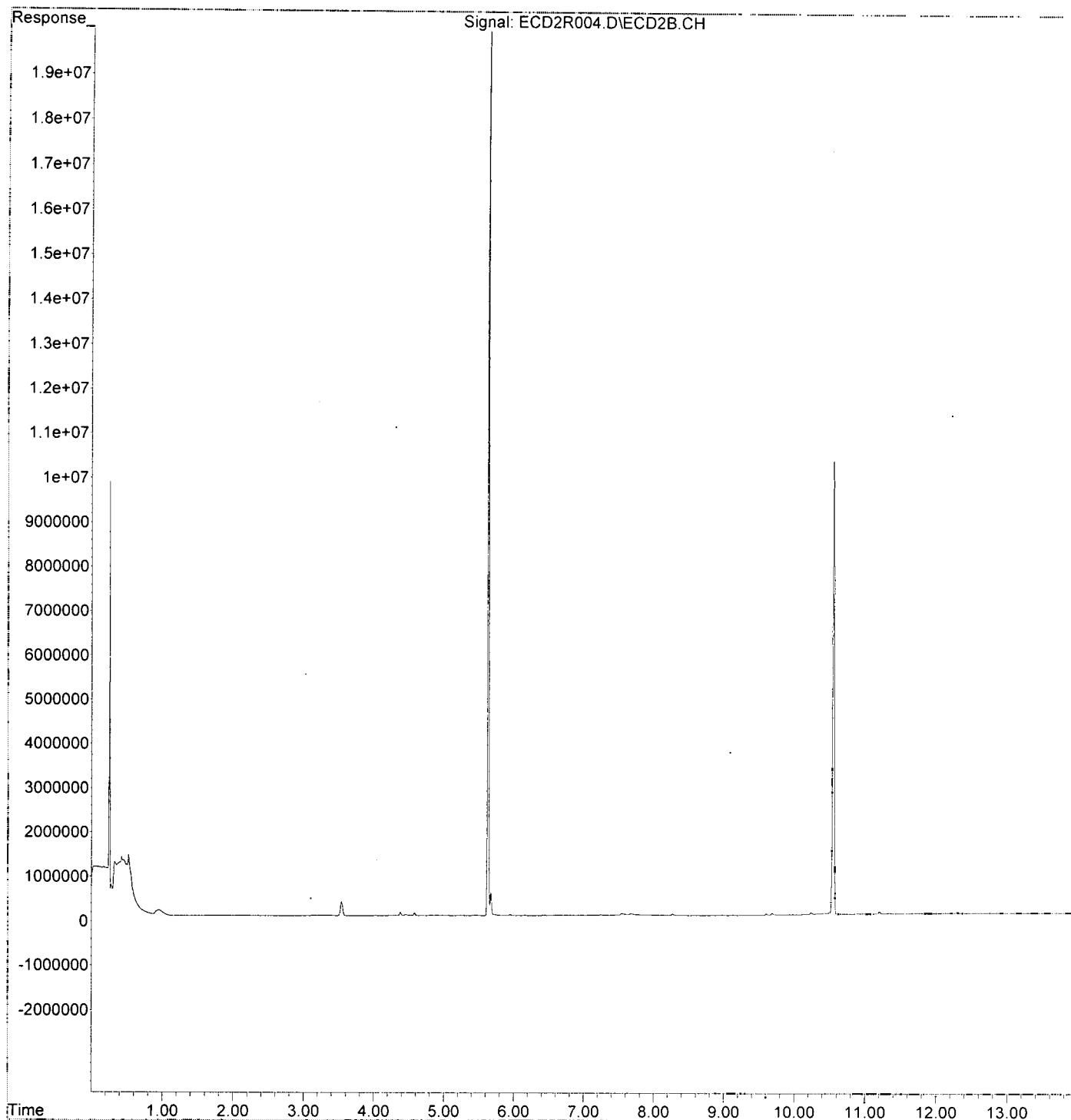
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.351	8866	0.839 ng/ml
49) Aroclor 1262 (2)	8.652	2754	0.180 ng/ml
50) Aroclor 1262 (3)	8.829	2251	0.176 ng/ml
51) Aroclor 1262 (4)	9.066	3813	0.139 ng/ml
52) Aroclor 1262 (5)	9.322	4847	0.295 ng/ml
53) Aroclor 1262 (6)	9.899	14949	2.076 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.867	1260	0.202 ng/ml
56) Aroclor 1268 (2)	9.322	4847	0.175 ng/ml
57) Aroclor 1268 (3)	9.393	5166	0.229 ng/ml
58) Aroclor 1268 (4)	9.605	45322	2.354 ng/ml
59) Aroclor 1268 (5)	9.899	14949	1.911 ng/ml
60) Aroclor 1268 (6)	10.242	60375	1.193 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R004.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 17:15
Operator : MJB / KAK
Sample : 0A13050-ICB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:23:02 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:36
 Operator : MJB / KAK
 Sample : 0A13050-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20
 Clean

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.626	1688	0.007 ng/ml
62) S DCBP (S)	10.549	12235	0.110 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.301	11225	1.816 ng/ml
3) Aroclor 1016 (2)	6.790	16600	1.451 ng/ml
4) Aroclor 1016 (3)	6.922	16045	2.995 ng/ml
5) Aroclor 1016 (4)	7.002	17187	3.479 ng/ml
6) Aroclor 1016 (5)	7.050	17297	3.119 ng/ml
7) Aroclor 1016 (6)	7.177	20261	3.547 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.809	10729	6.175 ng/ml
10) Aroclor 1221 (2)	5.875	9335	5.437 ng/ml
11) Aroclor 1221 (3)	5.964	12881	2.257 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.964	12881	2.819 ng/ml
14) Aroclor 1232 (2)	6.296	11019	4.234 ng/ml
15) Aroclor 1232 (3)	6.790	16600	3.393 ng/ml
16) Aroclor 1232 (4)	7.002	17187	10.159 ng/ml
17) Aroclor 1232 (5)	7.050	17297	8.313 ng/ml
18) Aroclor 1232 (6)	7.177	20261	9.338 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.301	11225	2.469 ng/ml
21) Aroclor 1242 (2)	6.790	16600	1.882 ng/ml
22) Aroclor 1242 (3)	6.922	16045	4.189 ng/ml
23) Aroclor 1242 (4)	7.002	17187	5.203 ng/ml
24) Aroclor 1242 (5)	7.050	17297	4.331 ng/ml
25) Aroclor 1242 (6)	7.177	20261	4.858 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.733	14917	2.890 ng/ml
28) Aroclor 1248 (2)	7.002	17187	2.703 ng/ml
29) Aroclor 1248 (3)	7.050	17297	2.914 ng/ml
30) Aroclor 1248 (4)	7.177	20261	2.777 ng/ml
31) Aroclor 1248 (5)	7.539	40332	4.531 ng/ml
32) Aroclor 1248 (6)	7.688	50144	6.159 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.500	20521	2.422 ng/ml
35) Aroclor 1254 (2)	7.688	50144	3.605 ng/ml
36) Aroclor 1254 (3)	8.005	20501	1.351 ng/ml
37) Aroclor 1254 (4)	8.229	15200	1.392 ng/ml
38) Aroclor 1254 (5)	8.580	11034	0.981 ng/ml
39) Aroclor 1254 (6)	8.795	231	0.065 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.145	19053	1.810 ng/ml
42) Aroclor 1260 (2)	8.351	14859	1.164 ng/ml
43) Aroclor 1260 (3)	8.584	10985	0.828 ng/ml
44) Aroclor 1260 (4)	9.068	8772	0.415 ng/ml
45) Aroclor 1260 (5)	9.323	6842	0.559 ng/ml
46) Aroclor 1260 (6)	9.889	5119	1.049 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R012.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:36
 Operator : MJB / KAK
 Sample : 0A13050-IBL1
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:23:31 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

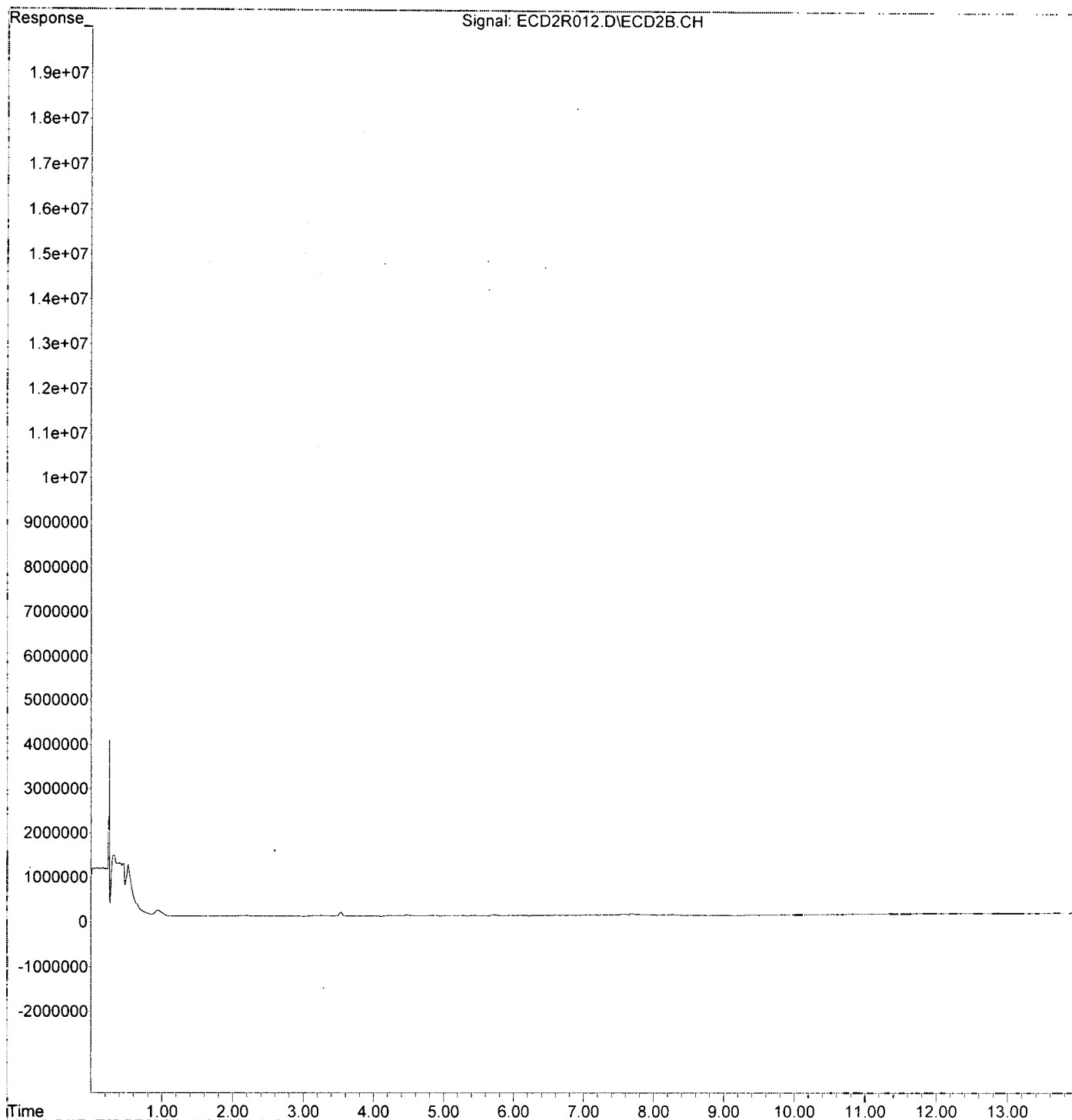
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.351	14859	1.406 ng/ml
49) Aroclor 1262 (2)	8.648	8953	0.586 ng/ml
50) Aroclor 1262 (3)	8.830	8859	0.692 ng/ml
51) Aroclor 1262 (4)	9.068	8772	0.319 ng/ml
52) Aroclor 1262 (5)	9.323	6842	0.417 ng/ml
53) Aroclor 1262 (6)	9.889	5119	0.711 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.866	6961	1.117 ng/ml
56) Aroclor 1268 (2)	9.323	6842	0.246 ng/ml
57) Aroclor 1268 (3)	9.392	5187	0.230 ng/ml
58) Aroclor 1268 (4)	9.602	4728	0.246 ng/ml
59) Aroclor 1268 (5)	9.889	5119	0.654 ng/ml
60) Aroclor 1268 (6)	10.234	4357	0.086 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R012.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:36
Operator : MJB / KAK
Sample : 0A13050-IBL1
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:23:31 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:54
 Operator : MJB / KAK
 Sample : 0A13050-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:37:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/14/20
1016, 1260

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.630	42078237	186.496	ng/ml
62) S DCBP (S)	10.551	20822783	187.215	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.301	2889380	467.387	ng/ml
3) Aroclor 1016 (2)	6.790	5607269	490.088	ng/ml
4) Aroclor 1016 (3)	6.917	2567499	479.323	ng/ml
5) Aroclor 1016 (4)	7.004	2249246	455.243	ng/ml
6) Aroclor 1016 (5)	7.048	2695002	485.978	ng/ml
7) Aroclor 1016 (6)	7.174	2593036	453.917	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	201677	116.072	ng/ml
10) Aroclor 1221 (2)	5.878	410071	238.833	ng/ml
11) Aroclor 1221 (3)	5.965	1966837	344.635	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.965	1966837	430.380	ng/ml
14) Aroclor 1232 (2)	6.301	2889380	1110.133	ng/ml
15) Aroclor 1232 (3)	6.790	5607269	1146.221	ng/ml
16) Aroclor 1232 (4)	7.004	2249246	1329.470	ng/ml
17) Aroclor 1232 (5)	7.048	2695002	1295.148	ng/ml
18) Aroclor 1232 (6)	7.174	2593036	1195.127	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.301	2889380	635.541	ng/ml
21) Aroclor 1242 (2)	6.790	5607269	635.568	ng/ml
22) Aroclor 1242 (3)	6.917	2567499	670.336	ng/ml
23) Aroclor 1242 (4)	7.004	2249246	680.849	ng/ml
24) Aroclor 1242 (5)	7.048	2695002	674.775	ng/ml
25) Aroclor 1242 (6)	7.174	2593036	621.710	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.763	4488766	869.574	ng/ml
28) Aroclor 1248 (2)	7.004	2249246	353.691	ng/ml
29) Aroclor 1248 (3)	7.048	2695002	454.027	ng/ml
30) Aroclor 1248 (4)	7.174	2593036	355.429	ng/ml
31) Aroclor 1248 (5)	7.539	576503	64.763	ng/ml
32) Aroclor 1248 (6)	7.698	2400401	294.846	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.516	2114363	249.516	ng/ml
35) Aroclor 1254 (2)	7.698	2400401	172.569	ng/ml
36) Aroclor 1254 (3)	8.008	1313048	86.531	ng/ml
37) Aroclor 1254 (4)	8.247	825780	75.645	ng/ml
38) Aroclor 1254 (5)	8.583	7455081	662.753	ng/ml
39) Aroclor 1254 (6)	8.801	882029	250.066	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	5628529	534.632	ng/ml
42) Aroclor 1260 (2)	8.350	7018796	549.956	ng/ml
43) Aroclor 1260 (3)	8.583	7455081	562.174	ng/ml
44) Aroclor 1260 (4)	9.067	10304134	487.136	ng/ml
45) Aroclor 1260 (5)	9.325	6100150	498.593	ng/ml
46) Aroclor 1260 (6)	9.890	1867409	382.669	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

471.989

502.527

Data Path : K:\DATA\0A13050\
 Data File : ECD2R013.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:54
 Operator : MJB / KAK
 Sample : 0A13050-ICV1
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:37:43 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

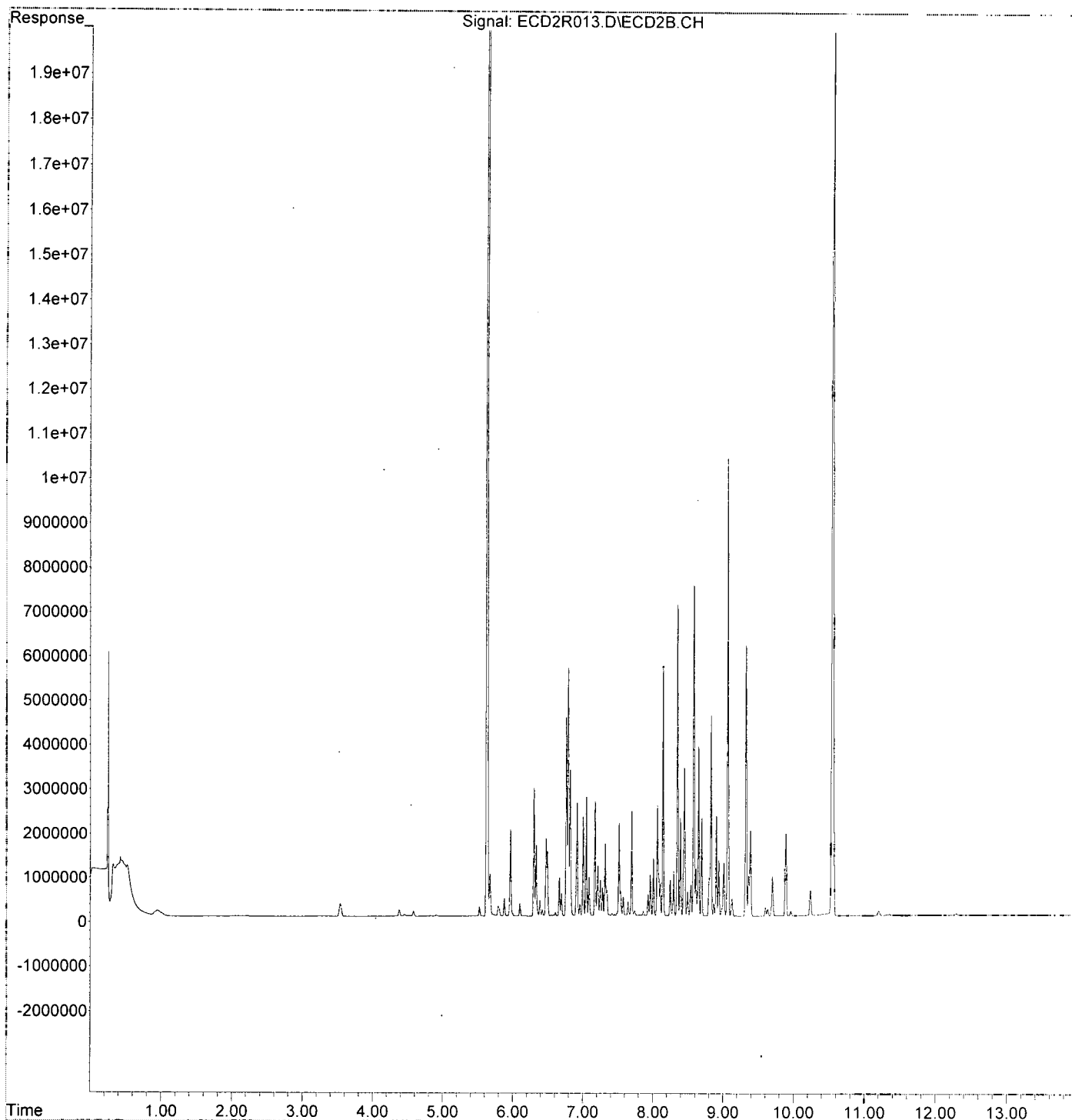
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.350	7018796	663.923 ng/ml
49) Aroclor 1262 (2)	8.651	3830979	250.759 ng/ml
50) Aroclor 1262 (3)	8.829	4526983	353.555 ng/ml
51) Aroclor 1262 (4)	9.067	10304134	374.361 ng/ml
52) Aroclor 1262 (5)	9.325	6100150	371.517 ng/ml
53) Aroclor 1262 (6)	9.890	1867409	259.343 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.869	290538	46.619 ng/ml
56) Aroclor 1268 (2)	9.325	6100150	219.694 ng/ml
57) Aroclor 1268 (3)	9.389	1939101	86.120 ng/ml
58) Aroclor 1268 (4)	9.604	197089	10.237 ng/ml
59) Aroclor 1268 (5)	9.890	1867409	238.702 ng/ml
60) Aroclor 1268 (6)	10.239	589830	11.653 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R013.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:54
Operator : MJB / KAK
Sample : 0A13050-ICV1
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:37:43 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:15
 Operator : MJB / KAK
 Sample : 0A13050-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:18 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

1/14/20
1221, 125A

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.627	8366007	37.079	ng/ml
62) S DCBP (S)	10.548	9358034	84.137	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.299	530484	85.811	ng/ml
3) Aroclor 1016 (2)	6.789	860190	75.183	ng/ml
4) Aroclor 1016 (3)	6.916	419193	78.259	ng/ml
5) Aroclor 1016 (4)	7.003	2660118	538.403	ng/ml
6) Aroclor 1016 (5)	7.047	962899	173.636	ng/ml
7) Aroclor 1016 (6)	7.173	1702556	298.036	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	1591287	915.838	ng/ml
10) Aroclor 1221 (2)	5.876	1584717	922.969	ng/ml
11) Aroclor 1221 (3)	5.964	5308894	930.240	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	5308894	1161.684	ng/ml
14) Aroclor 1232 (2)	6.299	530484	203.818	ng/ml
15) Aroclor 1232 (3)	6.789	860190	175.837	ng/ml
16) Aroclor 1232 (4)	7.003	2660118	1572.325	ng/ml
17) Aroclor 1232 (5)	7.047	962899	462.744	ng/ml
18) Aroclor 1232 (6)	7.173	1702556	784.706	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.299	530484	116.684	ng/ml
21) Aroclor 1242 (2)	6.789	860190	97.500	ng/ml
22) Aroclor 1242 (3)	6.916	419193	109.445	ng/ml
23) Aroclor 1242 (4)	7.003	2660118	805.220	ng/ml
24) Aroclor 1242 (5)	7.047	962899	241.091	ng/ml
25) Aroclor 1242 (6)	7.173	1702556	408.207	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.762	678412	131.424	ng/ml
28) Aroclor 1248 (2)	7.003	2660118	418.300	ng/ml
29) Aroclor 1248 (3)	7.047	962899	162.220	ng/ml
30) Aroclor 1248 (4)	7.173	1702556	233.370	ng/ml
31) Aroclor 1248 (5)	7.538	2699412	303.245	ng/ml
32) Aroclor 1248 (6)	7.697	7172222	880.977	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.516	4718199	556.795	ng/ml
35) Aroclor 1254 (2)	7.697	7172222	515.622	ng/ml
36) Aroclor 1254 (3)	8.008	7608333	501.395	ng/ml
37) Aroclor 1254 (4)	8.246	5568780	510.126	ng/ml
38) Aroclor 1254 (5)	8.580	5642709	501.634	ng/ml
39) Aroclor 1254 (6)	8.811	1659515	470.493	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.142	2581769	245.232	ng/ml
42) Aroclor 1260 (2)	8.349	3126649	244.988	ng/ml
43) Aroclor 1260 (3)	8.580	5642709	425.506	ng/ml
44) Aroclor 1260 (4)	9.065	944219	44.639	ng/ml
45) Aroclor 1260 (5)	9.323	736233	60.176	ng/ml
46) Aroclor 1260 (6)	9.889	56325	11.542	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

923.016

509.344

Data Path : K:\DATA\0A13050\
 Data File : ECD2R021.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:15
 Operator : MJB / KAK
 Sample : 0A13050-ICV2
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:18 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

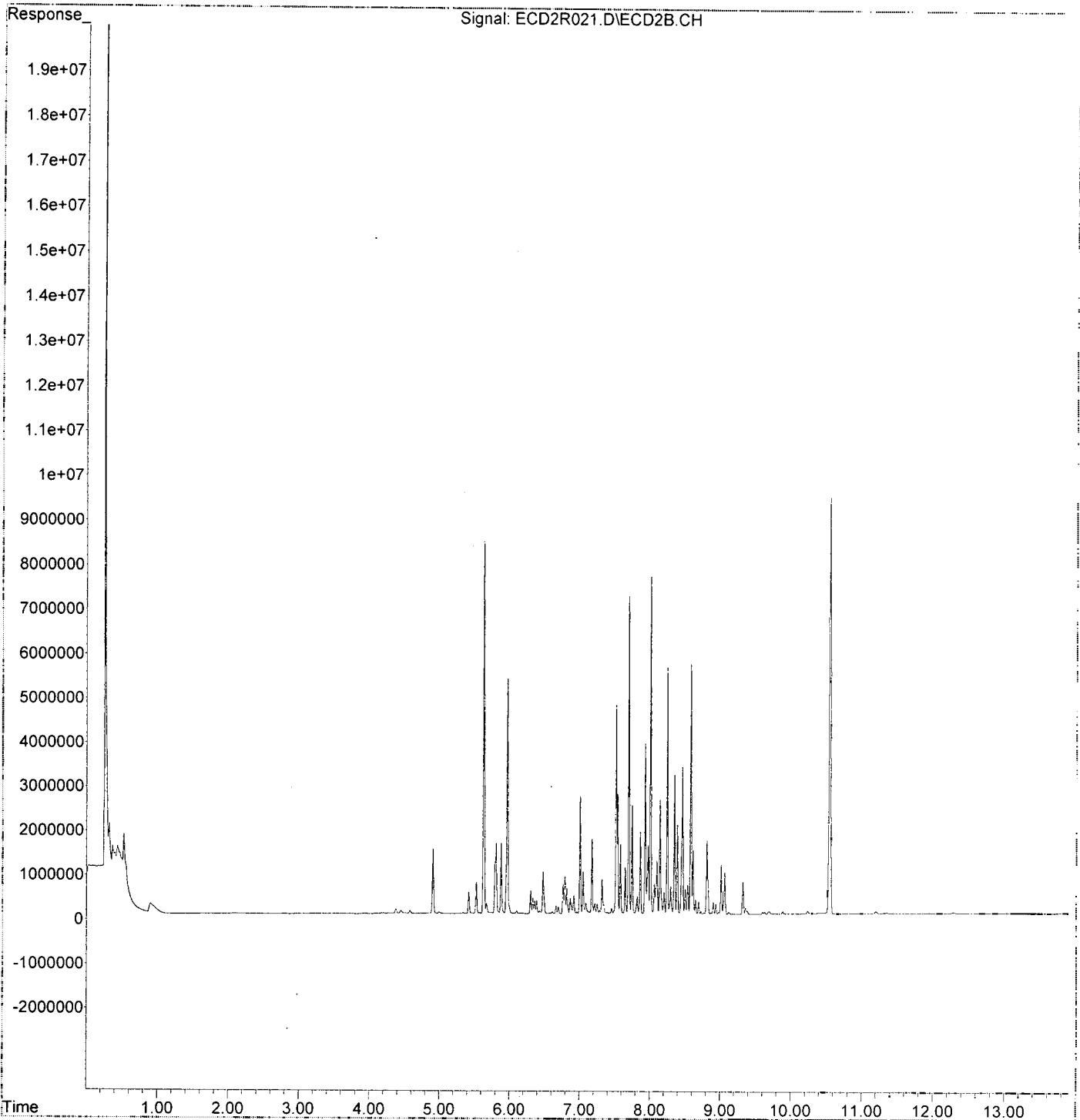
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	3126649	295.757 ng/ml
49) Aroclor 1262 (2)	8.649	316091	20.690 ng/ml
50) Aroclor 1262 (3)	8.811	1659515	129.607 ng/ml
51) Aroclor 1262 (4)	9.065	944219	34.305 ng/ml
52) Aroclor 1262 (5)	9.323	736233	44.839 ng/ml
53) Aroclor 1262 (6)	9.889	56325	7.822 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.870	37976	6.093 ng/ml
56) Aroclor 1268 (2)	9.323	736233	26.515 ng/ml
57) Aroclor 1268 (3)	9.385	69099	3.069 ng/ml
58) Aroclor 1268 (4)	9.604	39433	2.048 ng/ml
59) Aroclor 1268 (5)	9.889	56325	7.200 ng/ml
60) Aroclor 1268 (6)	10.240	59800	1.181 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R021.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 22:15
Operator : MJB / KAK
Sample : 0A13050-ICV2
Misc :
ALS Vial : 69 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:38:18 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:32
 Operator : MJB / KAK
 Sample : 0A13050-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/14/20
 1232, 1262

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.627	8656583	38.367	ng/ml
62) S DCBP (S)	10.549	9384526	84.375	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.299	1350246	218.416	ng/ml
3) Aroclor 1016 (2)	6.789	2443408	213.559	ng/ml
4) Aroclor 1016 (3)	6.916	1134572	211.812	ng/ml
5) Aroclor 1016 (4)	7.002	928356	187.898	ng/ml
6) Aroclor 1016 (5)	7.047	1047657	188.920	ng/ml
7) Aroclor 1016 (6)	7.172	1131966	198.153	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.805	531565	305.933	ng/ml
10) Aroclor 1221 (2)	5.877	604859	352.281	ng/ml
11) Aroclor 1221 (3)	5.964	2221641	389.283	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	2221641	486.136	ng/ml
14) Aroclor 1232 (2)	6.299	1350246	518.780	ng/ml
15) Aroclor 1232 (3)	6.789	2443408	499.474	ng/ml
16) Aroclor 1232 (4)	7.002	928356	548.727	ng/ml
17) Aroclor 1232 (5)	7.047	1047657	503.477	ng/ml
18) Aroclor 1232 (6)	7.172	1131966	521.721	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.299	1350246	296.997	ng/ml
21) Aroclor 1242 (2)	6.789	2443408	276.953	ng/ml
22) Aroclor 1242 (3)	6.916	1134572	296.220	ng/ml
23) Aroclor 1242 (4)	7.002	928356	281.014	ng/ml
24) Aroclor 1242 (5)	7.047	1047657	262.312	ng/ml
25) Aroclor 1242 (6)	7.172	1131966	271.402	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.762	1888334	365.812	ng/ml
28) Aroclor 1248 (2)	7.002	928356	145.983	ng/ml
29) Aroclor 1248 (3)	7.047	1047657	176.499	ng/ml
30) Aroclor 1248 (4)	7.172	1131966	155.159	ng/ml
31) Aroclor 1248 (5)	7.538	1351685	151.845	ng/ml
32) Aroclor 1248 (6)	7.696	1745059	214.349	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.518	1328075	156.726	ng/ml
35) Aroclor 1254 (2)	7.696	1745059	125.455	ng/ml
36) Aroclor 1254 (3)	8.007	705753	46.510	ng/ml
37) Aroclor 1254 (4)	8.246	542138	49.662	ng/ml
38) Aroclor 1254 (5)	8.582	4080262	362.733	ng/ml
39) Aroclor 1254 (6)	8.797	1286937	364.863	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.143	4275414	406.105	ng/ml
42) Aroclor 1260 (2)	8.349	5037521	394.714	ng/ml
43) Aroclor 1260 (3)	8.582	4080262	307.685	ng/ml
44) Aroclor 1260 (4)	9.065	12366178	584.621	ng/ml
45) Aroclor 1260 (5)	9.324	7304758	597.051	ng/ml
46) Aroclor 1260 (6)	9.889	3314208	679.147	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Handwritten: 513.053

Data Path : K:\DATA\0A13050\
 Data File : ECD2R022.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:32
 Operator : MJB / KAK
 Sample : 0A13050-ICV3
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:38:51 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	5037521	476.510 ng/ml
49) Aroclor 1262 (2)	8.650	6862374	449.182 ng/ml
50) Aroclor 1262 (3)	8.827	5598953	437.275 ng/ml
51) Aroclor 1262 (4)	9.065	12366178	449.277 ng/ml
52) Aroclor 1262 (5)	9.324	7304758	444.882 ng/ml
53) Aroclor 1262 (6)	9.889	3314208	460.273 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.868	758406	121.692 ng/ml
56) Aroclor 1268 (2)	9.324	7304758	263.078 ng/ml
57) Aroclor 1268 (3)	9.388	3944690	175.193 ng/ml
58) Aroclor 1268 (4)	9.601	308022	15.998 ng/ml
59) Aroclor 1268 (5)	9.889	3314208	423.639 ng/ml
60) Aroclor 1268 (6)	10.238	1086007	21.456 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

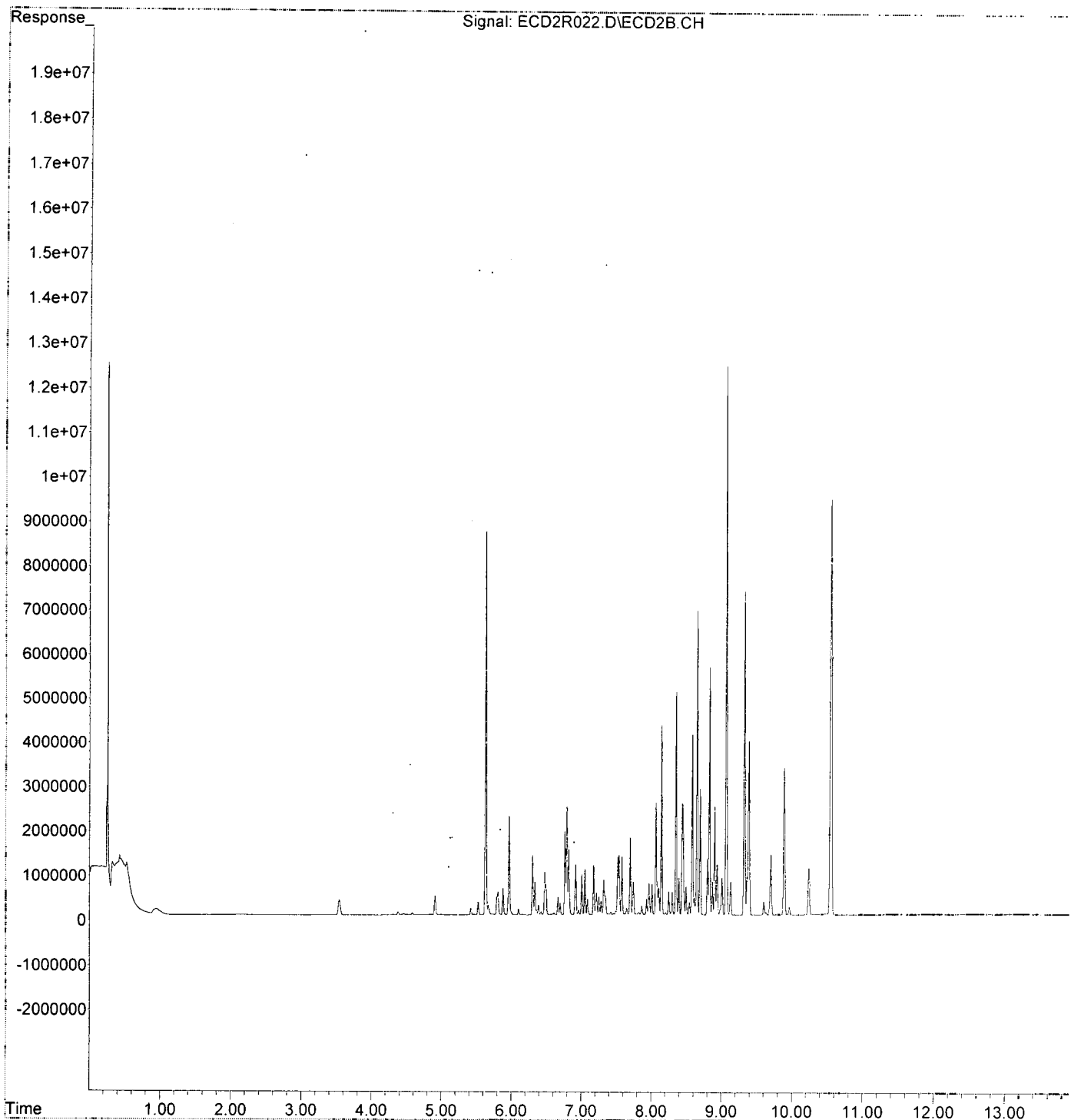
452.900

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R022.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 22:32
Operator : MJB / KAK
Sample : 0A13050-ICV3
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:38:51 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:50
 Operator : MJB / KAK
 Sample : 0A13050-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:39:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten:
 1/14/20
 1242, 1268

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.627	9226068	40.891 ng/ml
62) S DCBP (S)	10.548	4337702	39.000 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.299	2413373	390.388 ng/ml
3) Aroclor 1016 (2)	6.788	4561837	398.715 ng/ml
4) Aroclor 1016 (3)	6.915	2111530	394.199 ng/ml
5) Aroclor 1016 (4)	7.003	1711882	346.482 ng/ml
6) Aroclor 1016 (5)	7.047	2043722	368.536 ng/ml
7) Aroclor 1016 (6)	7.173	2181722	381.916 ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9) Aroclor 1221 (1)	5.804	182381	104.966 ng/ml
10) Aroclor 1221 (2)	5.876	369568	215.243 ng/ml
11) Aroclor 1221 (3)	5.964	1712969	300.152 ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
13) Aroclor 1232 (1)	5.964	1712969	374.829 ng/ml
14) Aroclor 1232 (2)	6.299	2413373	927.246 ng/ml
15) Aroclor 1232 (3)	6.788	4561837	932.517 ng/ml
16) Aroclor 1232 (4)	7.003	1711882	1011.848 ng/ml
17) Aroclor 1232 (5)	7.047	2043722	982.160 ng/ml
18) Aroclor 1232 (6)	7.173	2181722	1005.553 ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
20) Aroclor 1242 (1)	6.299	2413373	530.840 ng/ml
21) Aroclor 1242 (2)	6.788	4561837	517.071 ng/ml
22) Aroclor 1242 (3)	6.915	2111530	551.289 ng/ml
23) Aroclor 1242 (4)	7.003	1711882	518.188 ng/ml
24) Aroclor 1242 (5)	7.047	2043722	511.707 ng/ml
25) Aroclor 1242 (6)	7.173	2181722	523.093 ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
27) Aroclor 1248 (1)	6.762	3611646	699.656 ng/ml
28) Aroclor 1248 (2)	7.003	1711882	269.191 ng/ml
29) Aroclor 1248 (3)	7.047	2043722	344.306 ng/ml
30) Aroclor 1248 (4)	7.173	2181722	299.050 ng/ml
31) Aroclor 1248 (5)	7.538	2591584	291.132 ng/ml
32) Aroclor 1248 (6)	7.694	2020479	248.179 ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
34) Aroclor 1254 (1)	7.520	1648606	194.552 ng/ml
35) Aroclor 1254 (2)	7.694	2020479	145.255 ng/ml
36) Aroclor 1254 (3)	8.007	759688	50.064 ng/ml
37) Aroclor 1254 (4)	8.246	528301	48.395 ng/ml
38) Aroclor 1254 (5)	8.582	149523	13.293 ng/ml
39) Aroclor 1254 (6)	8.797	123265	34.947 ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
41) Aroclor 1260 (1)	8.142	66974	6.362 ng/ml
42) Aroclor 1260 (2)	8.346	120430	9.436 ng/ml
43) Aroclor 1260 (3)	8.582	149523	11.275 ng/ml
44) Aroclor 1260 (4)	9.065	1461812	69.108 ng/ml
45) Aroclor 1260 (5)	9.324	13500094	1103.424 ng/ml
46) Aroclor 1260 (6)	9.889	3935860	806.536 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Handwritten: 525.365

Data Path : K:\DATA\0A13050\
 Data File : ECD2R023.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 22:50
 Operator : MJB / KAK
 Sample : 0A13050-ICV4
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:39:27 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	8.346	120430	11.392	ng/ml
49) Aroclor 1262 (2)	8.650	2695648	176.446	ng/ml
50) Aroclor 1262 (3)	8.827	202812	15.840	ng/ml
51) Aroclor 1262 (4)	9.065	1461812	53.109	ng/ml
52) Aroclor 1262 (5)	9.324	13500094	822.196	ng/ml
53) Aroclor 1262 (6)	9.889	3935860	546.607	ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
55) Aroclor 1268 (1)	8.868	3124772	501.395	ng/ml
56) Aroclor 1268 (2)	9.324	13500094	486.200	ng/ml
57) Aroclor 1268 (3)	9.390	11777316	523.058	ng/ml
58) Aroclor 1268 (4)	9.601	9243944	480.124	ng/ml
59) Aroclor 1268 (5)	9.889	3935860	503.102	ng/ml
60) Aroclor 1268 (6)	10.238	26494457	523.450	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

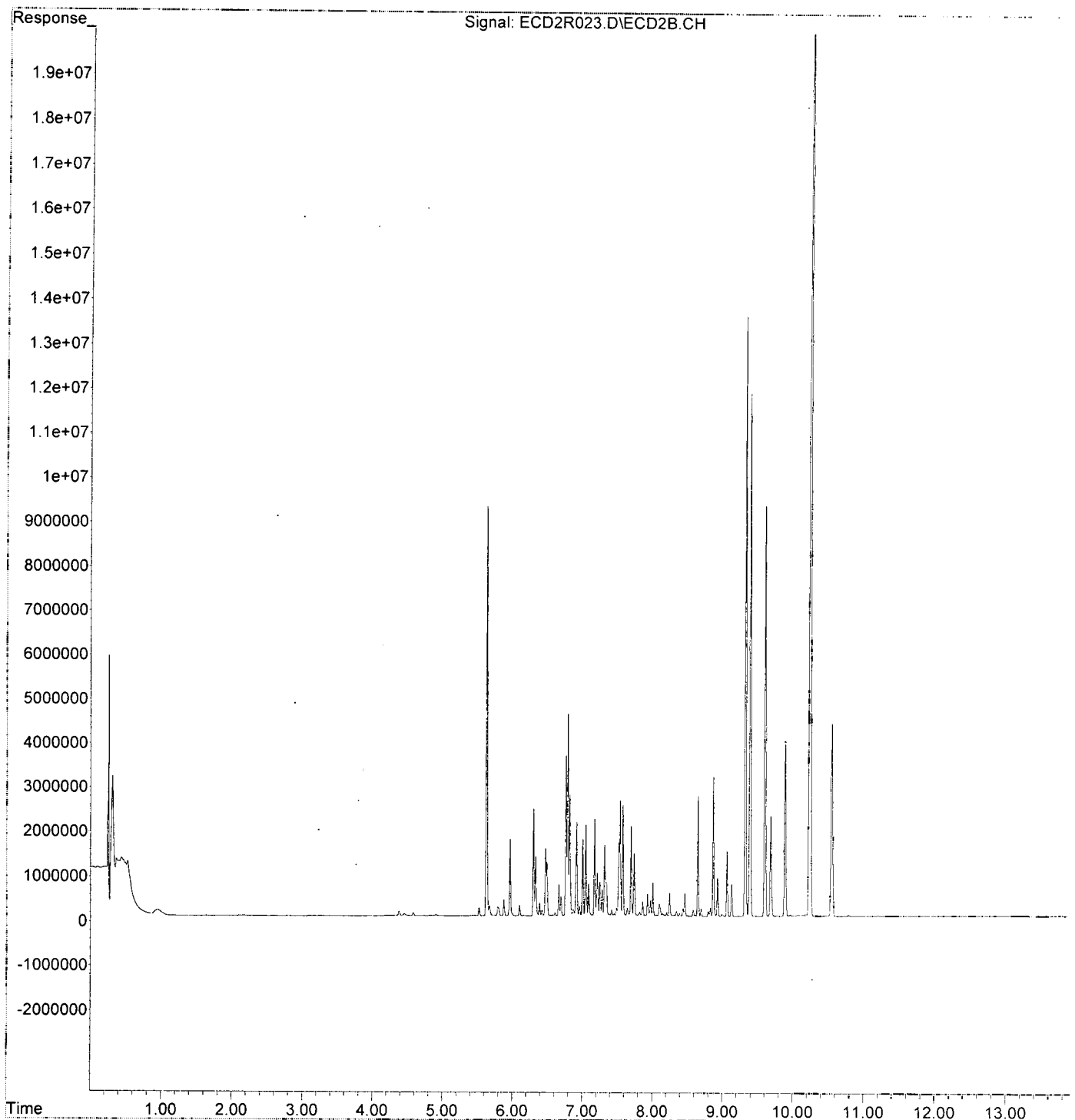
502.888

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R023.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 22:50
Operator : MJB / KAK
Sample : 0A13050-ICV4
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:39:27 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Jan 2020 8:02
 Operator : MJB / KAK
 Sample : 0A13050-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:40:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/14/20
 12A8

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.626	3813	0.017	ng/ml
62) S DCBP (S)	10.549	7136	0.064	ng/ml
Target Compounds				
2) Aroclor 1016 (1)	6.300	1394431	225.564	ng/ml
3) Aroclor 1016 (2)	6.790	2958219	258.555	ng/ml
4) Aroclor 1016 (3)	6.914	1341022	250.354	ng/ml
5) Aroclor 1016 (4)	7.004	3704379	749.759	ng/ml
6) Aroclor 1016 (5)	7.049	3586571	646.751	ng/ml
7) Aroclor 1016 (6)	7.174	4317847	755.849	ng/ml
8) Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9) Aroclor 1221 (1)	5.804	21978	12.649	ng/ml
10) Aroclor 1221 (2)	5.877	39285	22.880	ng/ml
11) Aroclor 1221 (3)	5.964	217044	38.031	ng/ml
12) Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
13) Aroclor 1232 (1)	5.964	217044	47.493	ng/ml
14) Aroclor 1232 (2)	6.300	1394431	535.756	ng/ml
15) Aroclor 1232 (3)	6.790	2958219	604.710	ng/ml
16) Aroclor 1232 (4)	7.004	3704379	2189.560	ng/ml
17) Aroclor 1232 (5)	7.049	3586571	1723.613	ng/ml
18) Aroclor 1232 (6)	7.174	4317847	1990.089	ng/ml
19) Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
20) Aroclor 1242 (1)	6.300	1394431	306.716	ng/ml
21) Aroclor 1242 (2)	6.790	2958219	335.306	ng/ml
22) Aroclor 1242 (3)	6.914	1341022	350.121	ng/ml
23) Aroclor 1242 (4)	7.004	3704379	1121.319	ng/ml
24) Aroclor 1242 (5)	7.049	3586571	898.006	ng/ml
25) Aroclor 1242 (6)	7.174	4317847	1035.253	ng/ml
26) Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
27) Aroclor 1248 (1)	6.763	2856083	553.287	ng/ml
28) Aroclor 1248 (2)	7.004	3704379	582.509	ng/ml
29) Aroclor 1248 (3)	7.049	3586571	604.230	ng/ml
30) Aroclor 1248 (4)	7.174	4317847	591.850	ng/ml
31) Aroclor 1248 (5)	7.539	5461777	613.562	ng/ml
32) Aroclor 1248 (6)	7.696	4885408	600.083	ng/ml
33) Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
34) Aroclor 1254 (1)	7.521	3710121	437.832	ng/ml
35) Aroclor 1254 (2)	7.696	4885408	351.220	ng/ml
36) Aroclor 1254 (3)	8.008	2831335	186.587	ng/ml
37) Aroclor 1254 (4)	8.248	1962735	179.795	ng/ml
38) Aroclor 1254 (5)	8.581	433653	38.552	ng/ml
39) Aroclor 1254 (6)	8.811	168693	47.827	ng/ml
40) Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
41) Aroclor 1260 (1)	8.144	240144	22.810	ng/ml
42) Aroclor 1260 (2)	8.347	321684	25.205	ng/ml
43) Aroclor 1260 (3)	8.581	433653	32.701	ng/ml
44) Aroclor 1260 (4)	9.066	86034	4.067	ng/ml
45) Aroclor 1260 (5)	9.324	59779	4.886	ng/ml
46) Aroclor 1260 (6)	9.890	17482	3.582	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

590.920

Data Path : K:\DATA\0A13050\
 Data File : ECD2R025.D
 Signal(s) : ECD2B.CH
 Acq On : 14 Jan 2020 8:02
 Operator : MJB / KAK
 Sample : 0A13050-ICV5
 Misc :
 ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:40:40 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

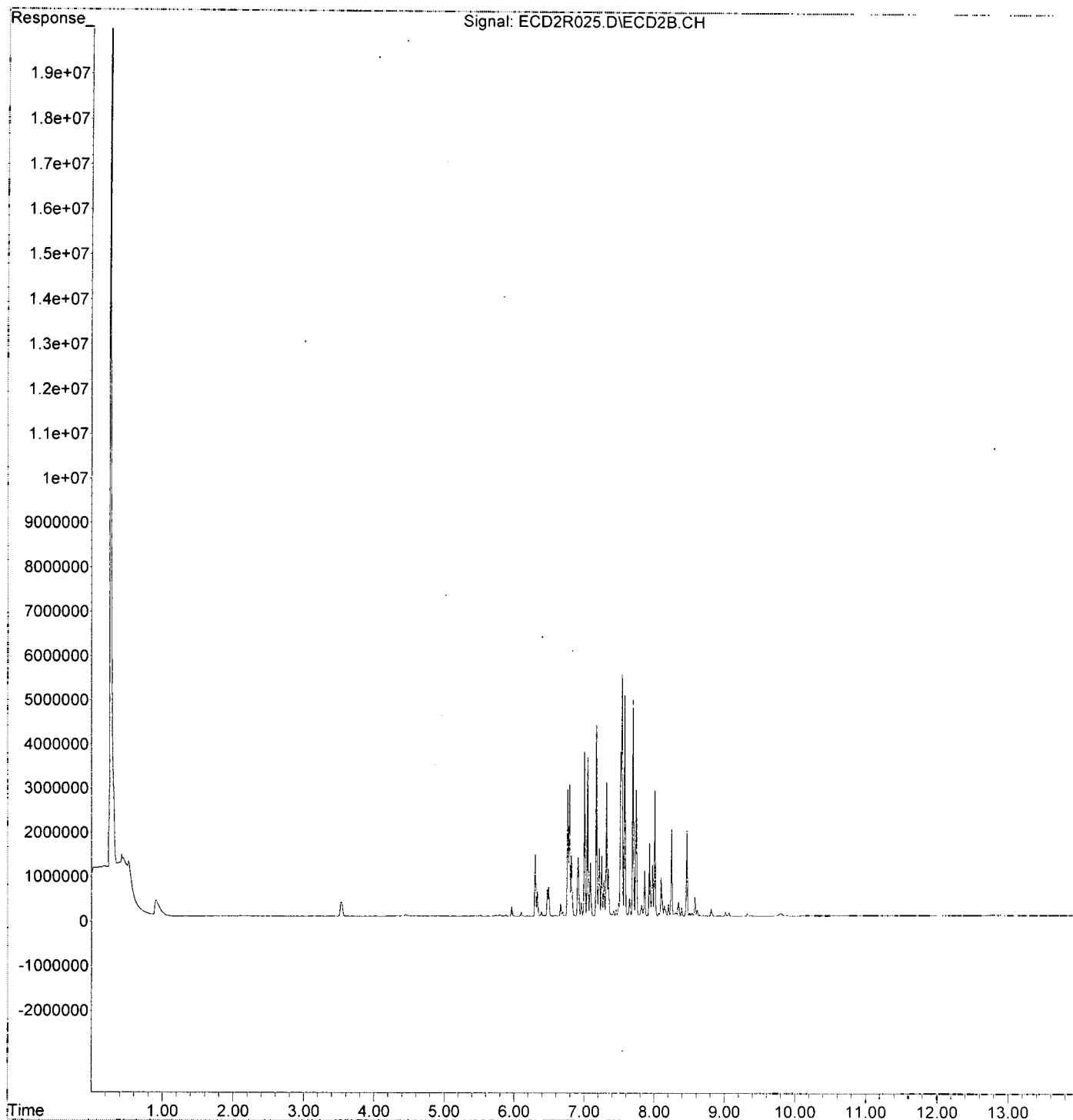
Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.347	321684	30.429 ng/ml
49) Aroclor 1262 (2)	8.651	34532	2.260 ng/ml
50) Aroclor 1262 (3)	8.811	168693	13.175 ng/ml
51) Aroclor 1262 (4)	9.066	86034	3.126 ng/ml
52) Aroclor 1262 (5)	9.324	59779	3.641 ng/ml
53) Aroclor 1262 (6)	9.890	17482	2.428 ng/ml
54) Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
55) Aroclor 1268 (1)	8.871	5093	0.817 ng/ml
56) Aroclor 1268 (2)	9.324	59779	2.153 ng/ml
57) Aroclor 1268 (3)	9.389	17646	0.784 ng/ml
58) Aroclor 1268 (4)	9.602	2145	0.111 ng/ml
59) Aroclor 1268 (5)	9.890	17482	2.235 ng/ml
60) Aroclor 1268 (6)	10.239	7273	0.144 ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R025.D
Signal(s) : ECD2B.CH
Acq On : 14 Jan 2020 8:02
Operator : MJB / KAK
Sample : 0A13050-ICV5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:40:40 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	2095506	9.288 ng/ml ✓
62) S DCBP (S)	10.551	1072604	9.644 ng/ml ✓
Target Compounds			
2) Aroclor 1016 (1)	6.300	145279	23.500 ng/ml
3) Aroclor 1016 (2)	6.790	249458	21.803 ng/ml
4) Aroclor 1016 (3)	6.917	116035	21.662 ng/ml
5) Aroclor 1016 (4)	7.004	117409	23.763 ng/ml ✓
6) Aroclor 1016 (5)	7.049	131375	23.690 ng/ml
7) Aroclor 1016 (6)	7.174	135212	23.669 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)	8.144	236430	22.458 ng/ml
42) Aroclor 1260 (2)	8.351	280991	22.017 ng/ml
43) Aroclor 1260 (3)	8.582	282360	21.292 ng/ml
44) Aroclor 1260 (4)	9.067	414593	19.600 ng/ml ✓
45) Aroclor 1260 (5)	9.325	257901	21.079 ng/ml
46) Aroclor 1260 (6)	9.891	103156	21.139 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

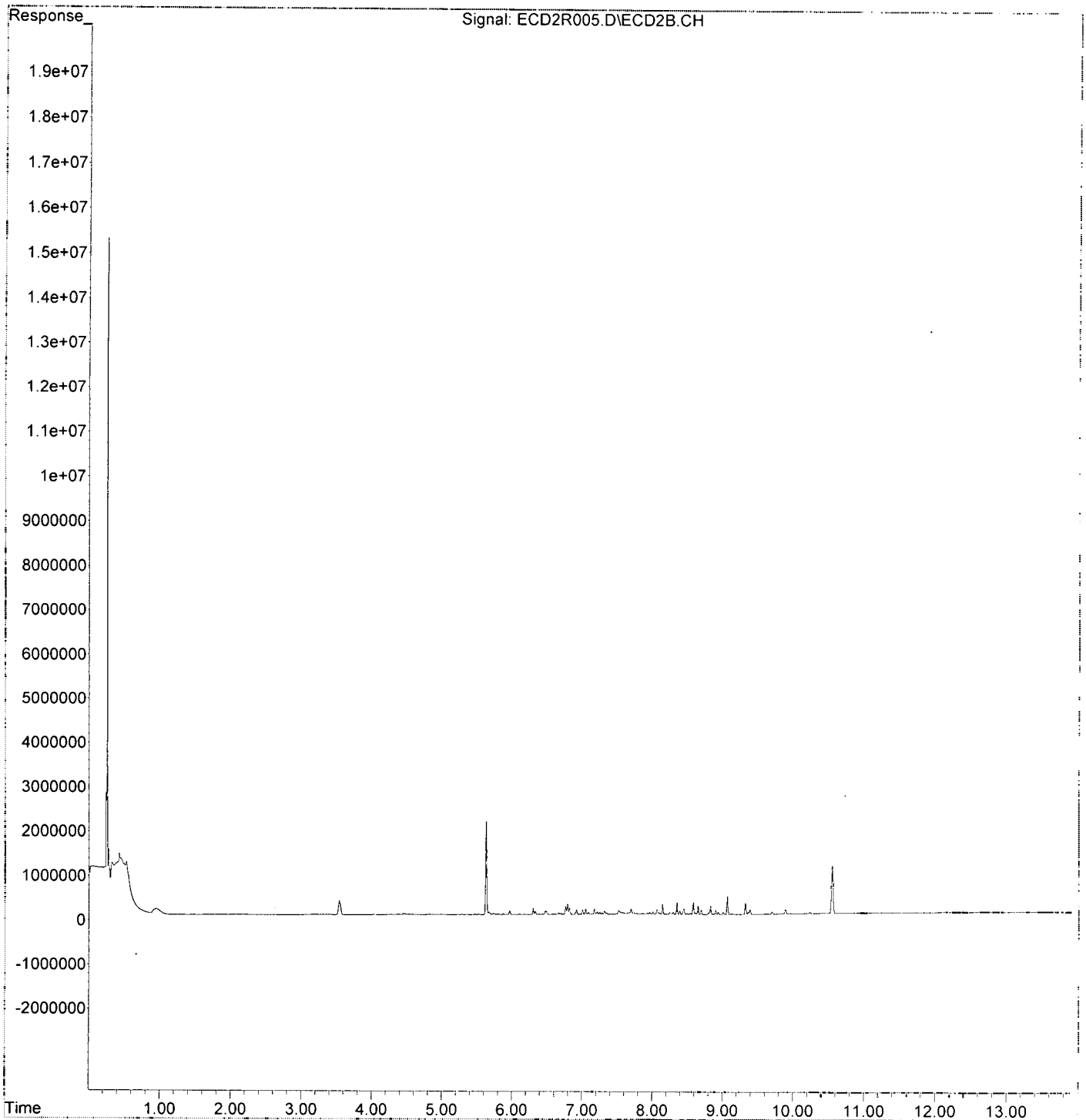
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\Quant
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAT2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:32 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.628	5312749	23.547	ng/ml ✓
62) S DCBP (S)	10.550	2755983	24.779	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	343821	55.617	ng/ml
3) Aroclor 1016 (2)	6.790	597996	52.266	ng/ml
4) Aroclor 1016 (3)	6.917	290069	54.153	ng/ml ✓
5) Aroclor 1016 (4)	7.004	278534	56.375	ng/ml
6) Aroclor 1016 (5)	7.048	307931	55.528	ng/ml
7) Aroclor 1016 (6)	7.174	315508	55.230	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)	8.144	540959	51.384	ng/ml
42) Aroclor 1260 (2)	8.350	656411	51.433	ng/ml
43) Aroclor 1260 (3)	8.582	674172	50.838	ng/ml
44) Aroclor 1260 (4)	9.066	1047953	49.543	ng/ml ✓
45) Aroclor 1260 (5)	9.325	608364	49.724	ng/ml
46) Aroclor 1260 (6)	9.891	261903	53.669	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:32 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

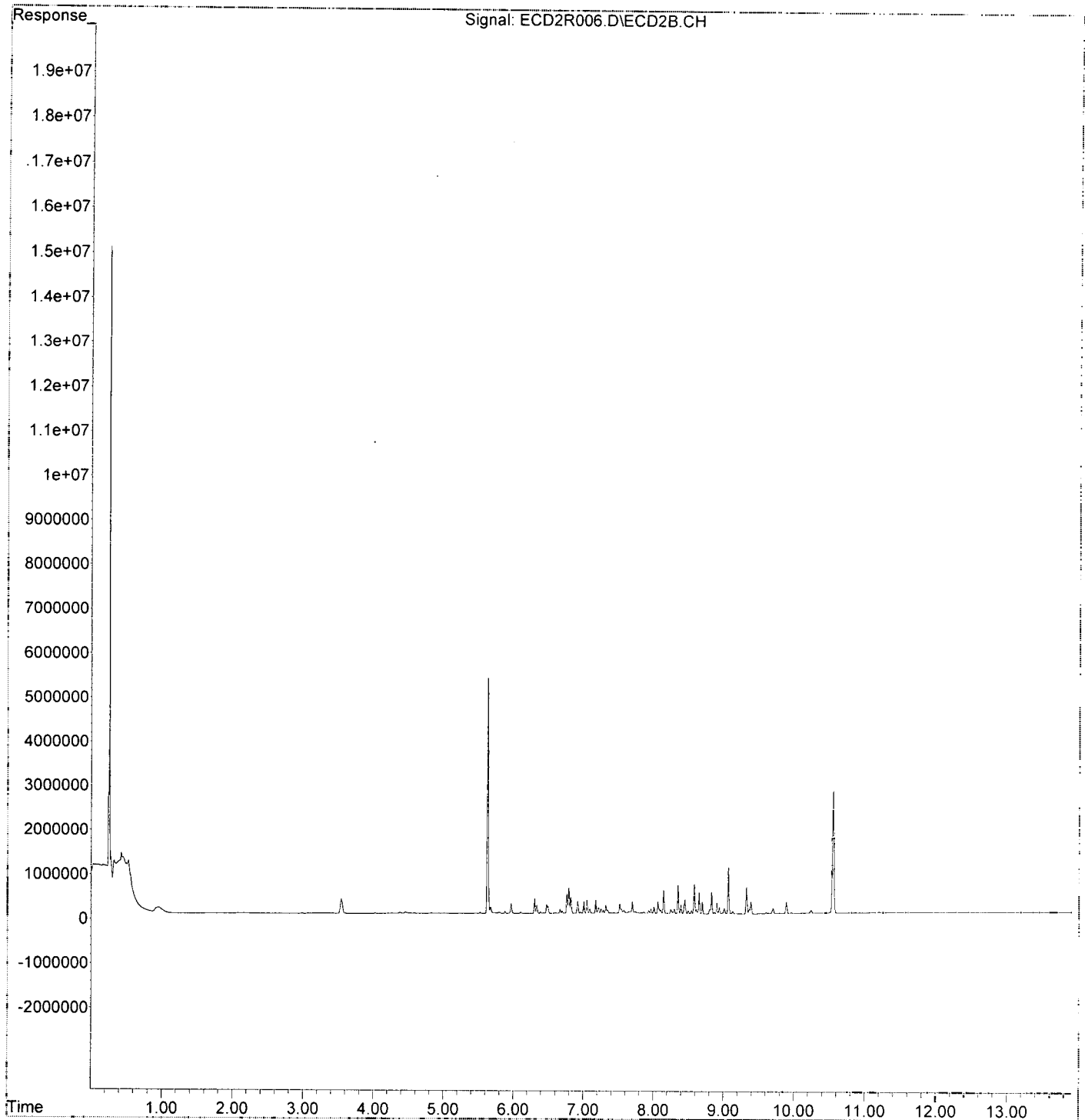
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\requant\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:32 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\Quant
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.628	11084215	49.127	ng/ml ✓
62) S DCBP (S)	10.550	5396453	48.519	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	639728	103.483	ng/ml
3) Aroclor 1016 (2)	6.790	1142660	99.871	ng/ml
4) Aroclor 1016 (3)	6.917	536991	100.250	ng/ml
5) Aroclor 1016 (4)	7.003	519409	105.127	ng/ml
6) Aroclor 1016 (5)	7.048	569313	102.662	ng/ml
7) Aroclor 1016 (6)	7.174	588135	102.954	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)	8.143	1060465	100.729	ng/ml
42) Aroclor 1260 (2)	8.351	1321460	103.543	ng/ml
43) Aroclor 1260 (3)	8.582	1327338	100.092	ng/ml
44) Aroclor 1260 (4)	9.066	2051063	96.966	ng/ml ✓
45) Aroclor 1260 (5)	9.325	1220407	99.749	ng/ml
46) Aroclor 1260 (6)	9.890	478851	98.126	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:03:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

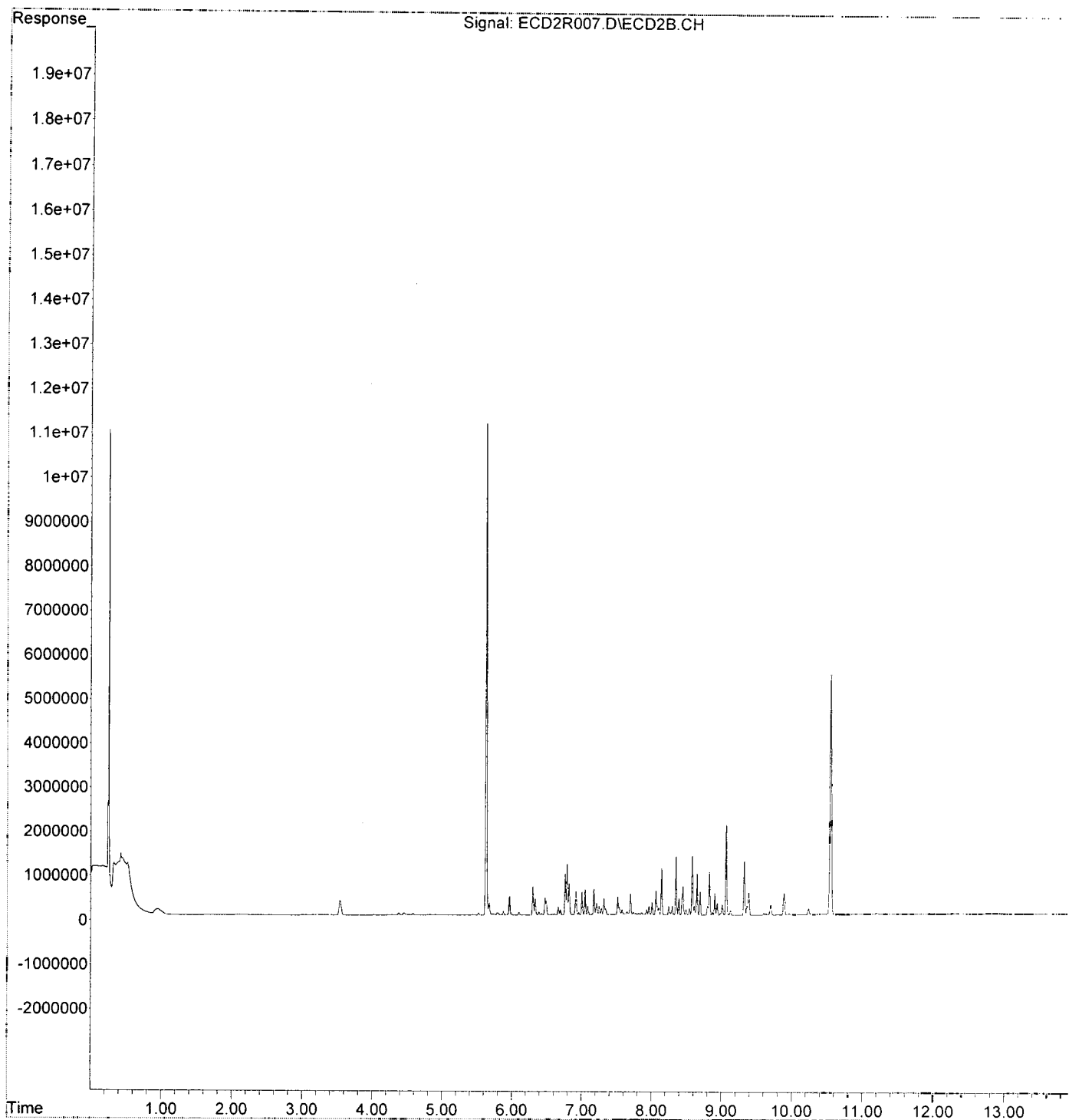
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:08
Operator : MJB / KAK
Sample : 0A13050-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:03:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAT4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.629	22681880	100.529	ng/ml ✓
62) S DCBP (S)	10.551	10891716	97.926	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.301	1190843	192.631	ng/ml
3) Aroclor 1016 (2)	6.790	2334544	204.044	ng/ml
4) Aroclor 1016 (3)	6.917	1067264	199.246	ng/ml
5) Aroclor 1016 (4)	7.004	981904	198.735	ng/ml
6) Aroclor 1016 (5)	7.049	1076394	194.102	ng/ml
7) Aroclor 1016 (6)	7.174	1160064	203.072	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)	8.144	2093221	198.827	ng/ml
42) Aroclor 1260 (2)	8.351	2511397	196.780	ng/ml
43) Aroclor 1260 (3)	8.582	2744238	206.938	ng/ml
44) Aroclor 1260 (4)	9.066	4251874	201.011	ng/ml ✓
45) Aroclor 1260 (5)	9.325	2471890	202.039	ng/ml
46) Aroclor 1260 (6)	9.891	1008936	206.751	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

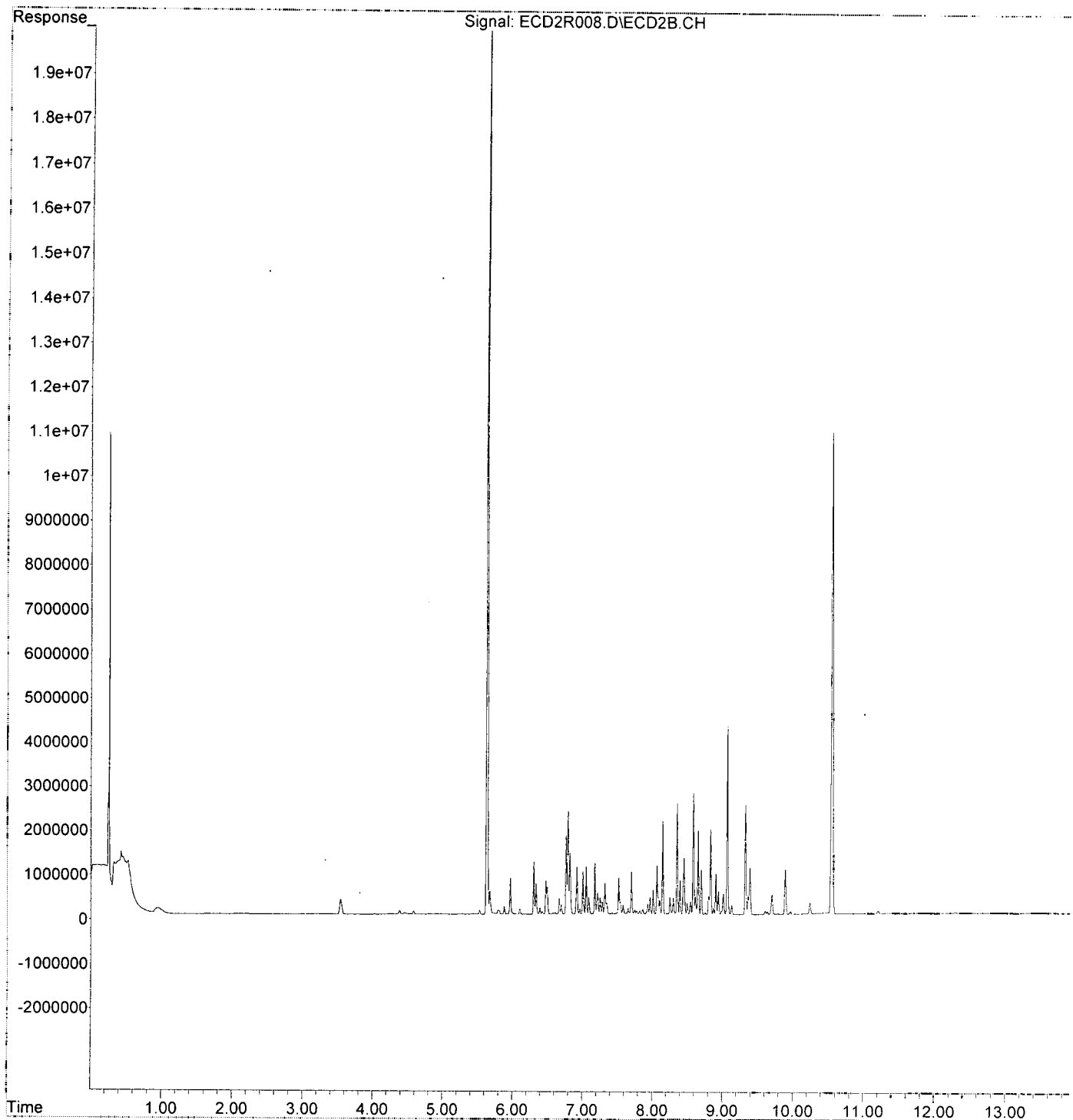
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:25
Operator : MJB / KAK
Sample : 0A13050-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:04:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAT5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.629	53881075	238.807	ng/ml ✓
62) S DCBP (S)	10.552	25218318	226.735	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	2835860	458.730	ng/ml
3) Aroclor 1016 (2)	6.790	5484312	479.341	ng/ml
4) Aroclor 1016 (3)	6.917	2538905	473.985	ng/ml
5) Aroclor 1016 (4)	7.003	2203390	445.962	ng/ml
6) Aroclor 1016 (5)	7.048	2536989	457.485	ng/ml
7) Aroclor 1016 (6)	7.174	2573883	450.564	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)	8.144	5080914	482.616	ng/ml
42) Aroclor 1260 (2)	8.351	6152313	482.063	ng/ml
43) Aroclor 1260 (3)	8.583	6540031	493.172	ng/ml
44) Aroclor 1260 (4)	9.066	10496732	496.241	ng/ml
45) Aroclor 1260 (5)	9.325	6070844	496.198	ng/ml
46) Aroclor 1260 (6)	9.891	2392226	490.214	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:33 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

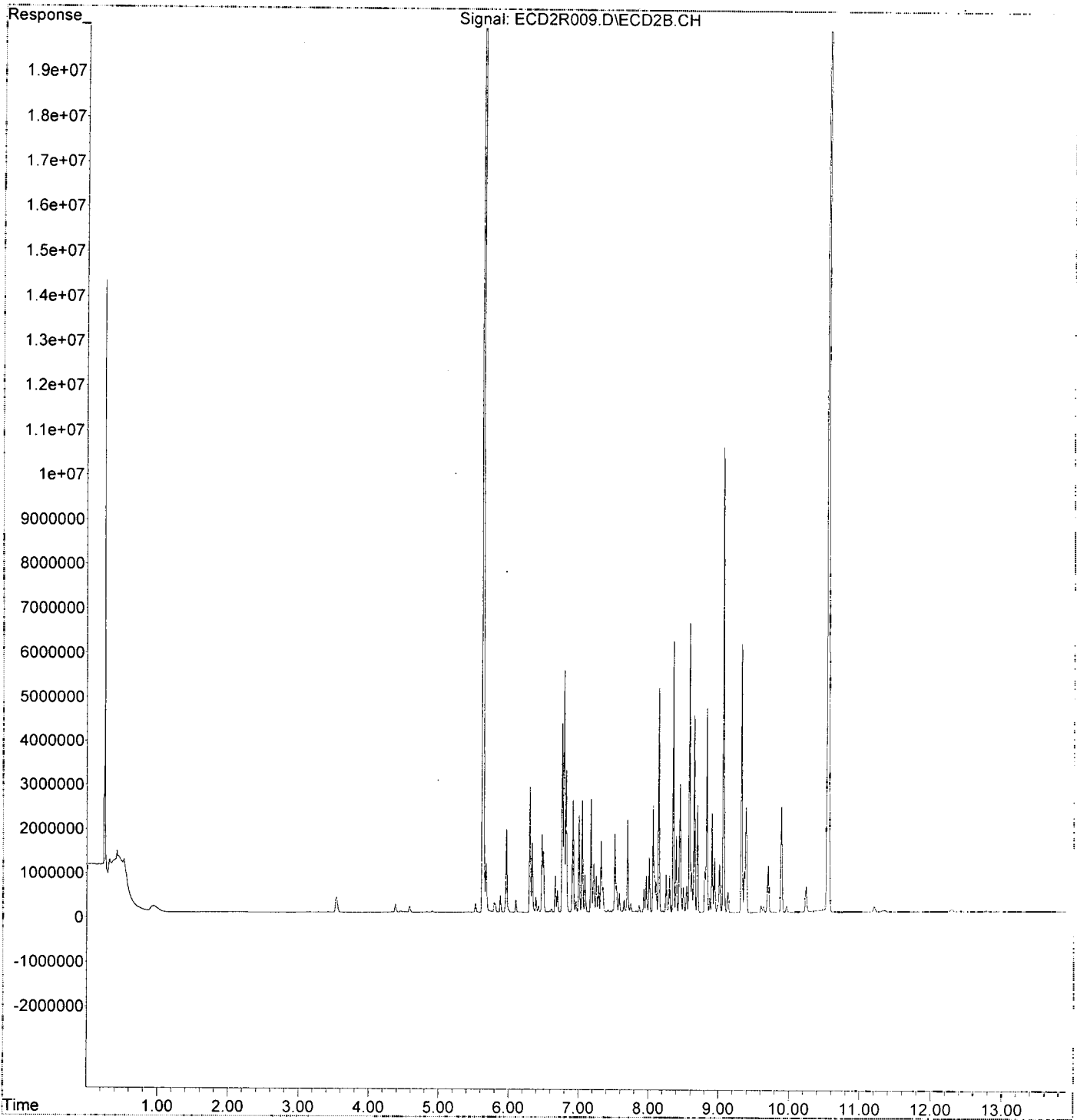
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:43
Operator : MJB / KAK
Sample : 0A13050-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:04:33 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\regquant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.631	124870409	553.440	ng/ml
62) S DCBP (S)	10.551	58595711	526.828	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	5624087	909.755	ng/ml
3) Aroclor 1016 (2)	6.790	11025443	963.649	ng/ml
4) Aroclor 1016 (3)	6.917	5145954	960.692	ng/ml
5) Aroclor 1016 (4)	7.004	4338878	878.180	ng/ml
6) Aroclor 1016 (5)	7.048	5224293	942.075	ng/ml
7) Aroclor 1016 (6)	7.173	5149713	901.470	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)	8.143	10123087	961.552	ng/ml
42) Aroclor 1260 (2)	8.350	12298764	963.667	ng/ml
43) Aroclor 1260 (3)	8.582	12961672	977.416	ng/ml
44) Aroclor 1260 (4)	9.066	21886590	1034.706	ng/ml
45) Aroclor 1260 (5)	9.325	12074358	986.892	ng/ml
46) Aroclor 1260 (6)	9.890	4594659	941.536	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:04:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

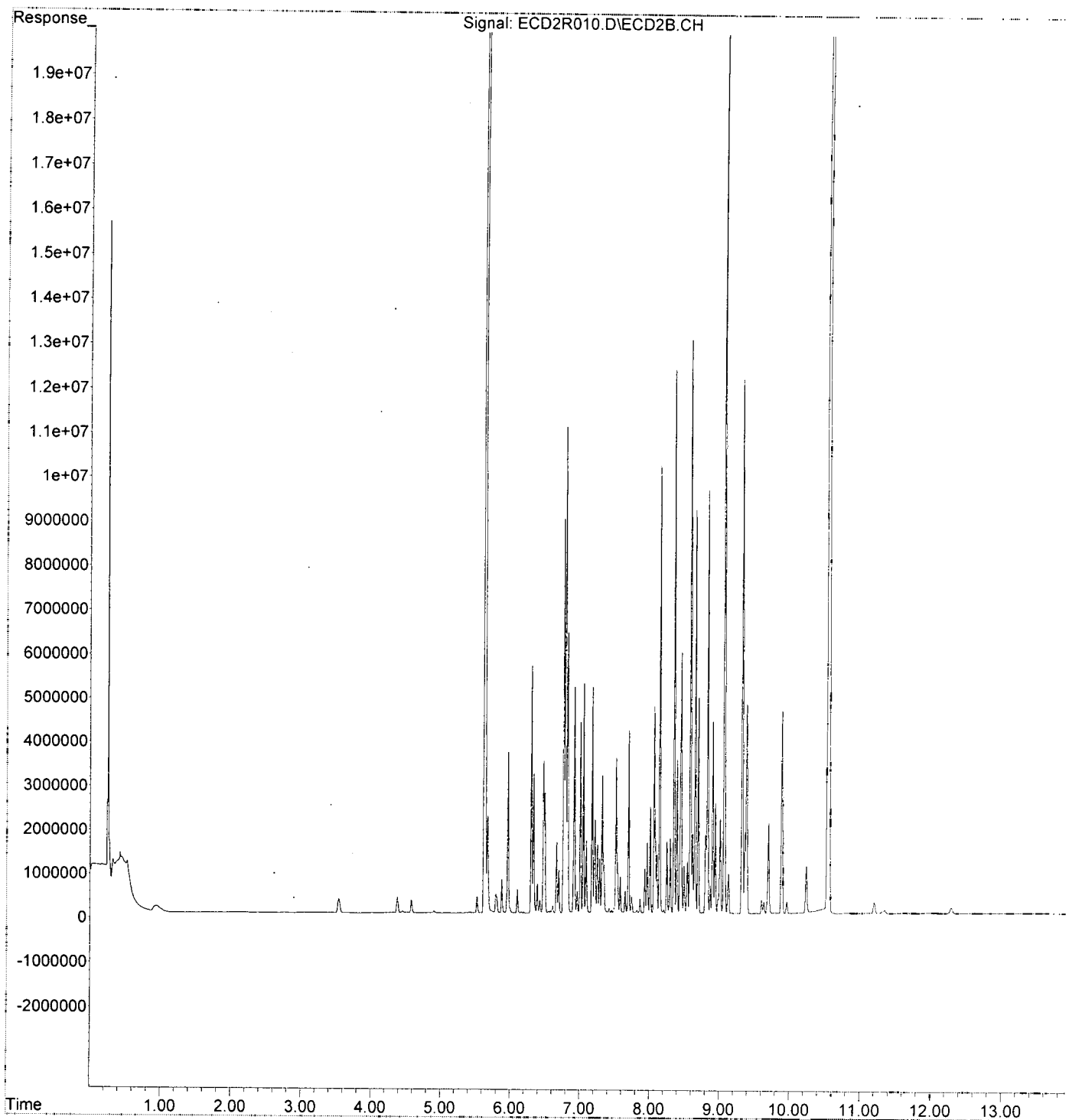
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\requant\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:01
Operator : MJB / KAK
Sample : 0A13050-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:04:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\quant
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:05:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	5.633	194842413	863.564	ng/ml
62) S DCBP (S)	10.553	101081415	908.812	ng/ml ✓
Target Compounds				
2) Aroclor 1016 (1)	6.300	8229290	1331.173	ng/ml
3) Aroclor 1016 (2)	6.791	15844863	1384.877	ng/ml
4) Aroclor 1016 (3)	6.917	7443643	1389.645	ng/ml
5) Aroclor 1016 (4)	7.004	6442401	1303.929	ng/ml
6) Aroclor 1016 (5)	7.049	7076827	1276.135	ng/ml
7) Aroclor 1016 (6)	7.174	7407214	1296.650	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)	8.144	14548054	1381.862	ng/ml
42) Aroclor 1260 (2)	8.351	17676726	1385.056	ng/ml
43) Aroclor 1260 (3)	8.583	18285536	1378.879	ng/ml
44) Aroclor 1260 (4)	9.067	32592843	1540.853	ng/ml
45) Aroclor 1260 (5)	9.325	17701773	1446.846	ng/ml
46) Aroclor 1260 (6)	9.891	6885880	1411.053	ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml

[Handwritten signature]
1/14/20

Data Path : K:\DATA\0A13050\requant\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 11:05:13 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:35:58 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

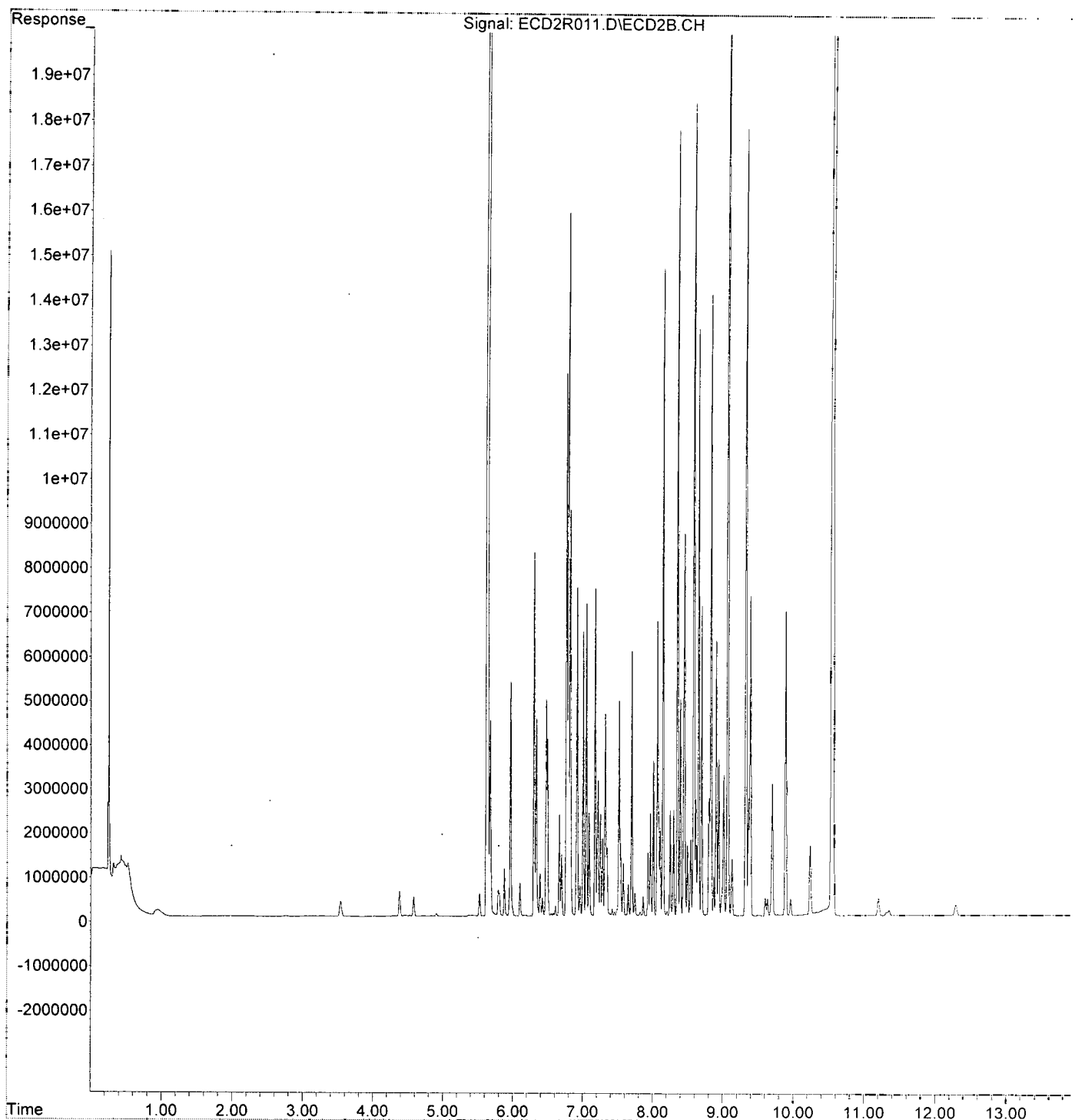
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\requant\
Data File : ECD2R011.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:18
Operator : MJB / KAK
Sample : 0A13050-CAL7
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 11:05:13 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:35:58 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:55:45 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	2095506	7.988 ng/ml
62) S DCBP (S)	10.551	1070638	7.294 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	145279	16.355 ng/ml
3) Aroclor 1016 (2)	6.790	249458	15.245 ng/ml
4) Aroclor 1016 (3)	6.917	116035	15.753 ng/ml
5) Aroclor 1016 (4)	7.004	117409	15.744 ng/ml
6) Aroclor 1016 (5)	7.049	131375	15.922 ng/ml
7) Aroclor 1016 (6)	7.174	135212	16.427 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)	8.144	236430	14.980 ng/ml
42) Aroclor 1260 (2)	8.351	280991	14.356 ng/ml
43) Aroclor 1260 (3)	8.582	282360	14.025 ng/ml
44) Aroclor 1260 (4)	9.067	414593	13.397 ng/ml
45) Aroclor 1260 (5)	9.325	257901	14.410 ng/ml
46) Aroclor 1260 (6)	9.891	102375	14.840 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R005.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:33
 Operator : MJB / KAK
 Sample : 0A13050-CAL1
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:55:45 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

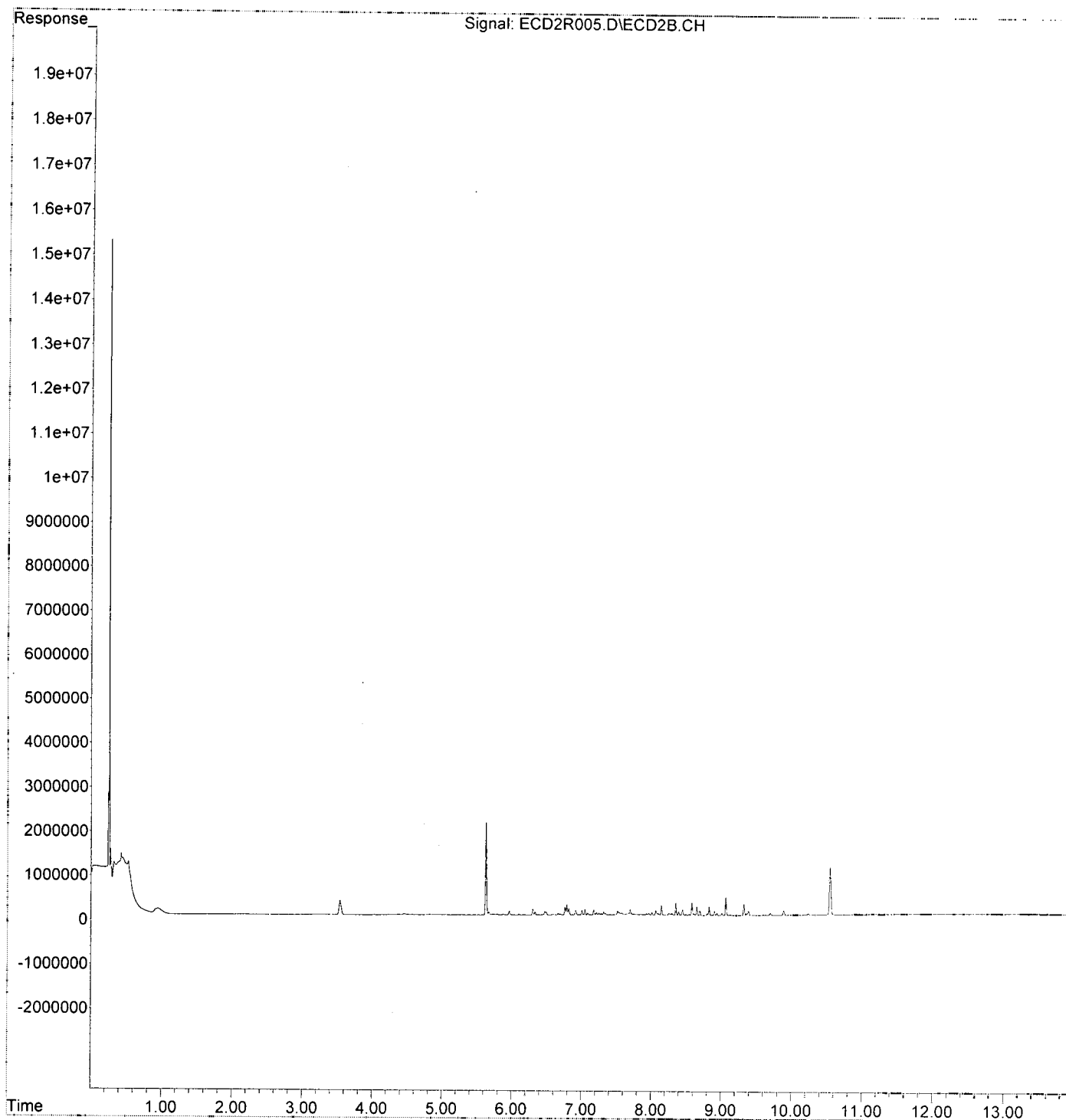
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
Data File : ECD2R005.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 17:33
Operator : MJB / KAK
Sample : 0A13050-CAL1
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 08:55:45 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	5312749	20.252 ng/ml
62) S DCBP (S)	10.550	2755983	18.775 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	343821	38.705 ng/ml
3) Aroclor 1016 (2)	6.790	597996	36.545 ng/ml
4) Aroclor 1016 (3)	6.917	290069	39.380 ng/ml
5) Aroclor 1016 (4)	7.004	278534	37.350 ng/ml
6) Aroclor 1016 (5)	7.048	307931	37.320 ng/ml
7) Aroclor 1016 (6)	7.174	315508	38.331 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)	8.144	540959	34.275 ng/ml
42) Aroclor 1260 (2)	8.350	656411	33.635 ng/ml
43) Aroclor 1260 (3)	8.582	674172	33.487 ng/ml
44) Aroclor 1260 (4)	9.066	1047953	38.864 ng/ml
45) Aroclor 1260 (5)	9.325	608364	33.992 ng/ml
46) Aroclor 1260 (6)	9.891	261903	37.965 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R006.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 17:50
 Operator : MJB / KAK
 Sample : 0A13050-CAL2
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:01 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

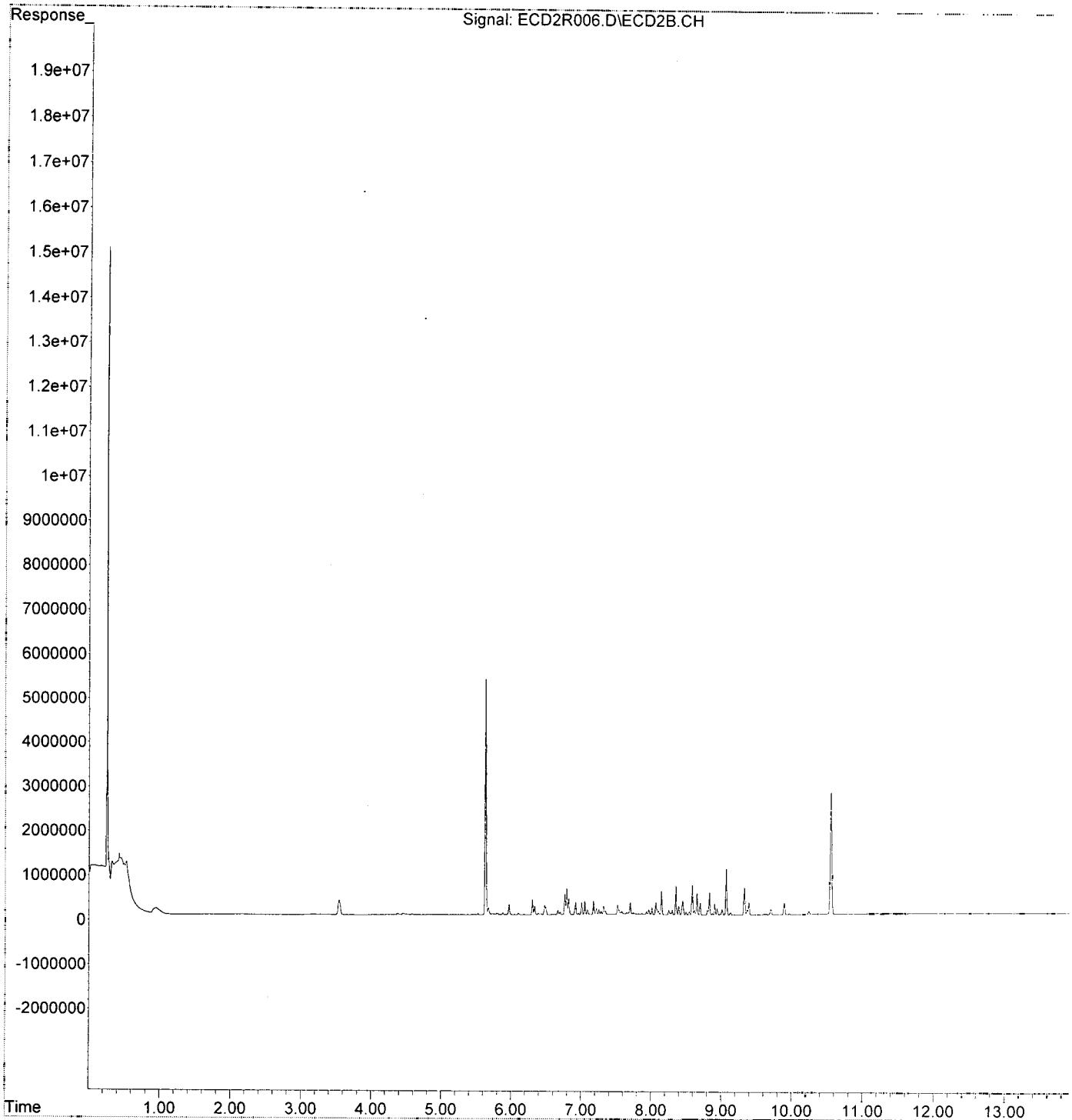
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
Data File : ECD2R006.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 17:50
Operator : MJB / KAK
Sample : 0A13050-CAL2
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:01:01 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature
 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.628	11084215	42.253 ng/ml
62) S DCBP (S)	10.550	5396453	36.763 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	639728	72.016 ng/ml
3) Aroclor 1016 (2)	6.790	1142660	69.831 ng/ml
4) Aroclor 1016 (3)	6.917	536991	72.903 ng/ml
5) Aroclor 1016 (4)	7.003	519409	69.651 ng/ml
6) Aroclor 1016 (5)	7.048	569313	68.999 ng/ml
7) Aroclor 1016 (6)	7.174	588135	71.453 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)	8.143	1060465	67.191 ng/ml
42) Aroclor 1260 (2)	8.351	1321460	67.572 ng/ml
43) Aroclor 1260 (3)	8.582	1327338	65.831 ng/ml
44) Aroclor 1260 (4)	9.066	2051063	66.278 ng/ml
45) Aroclor 1260 (5)	9.325	1220407	68.190 ng/ml
46) Aroclor 1260 (6)	9.890	478851	69.413 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R007.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:08
 Operator : MJB / KAK
 Sample : 0A13050-CAL3
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:21 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

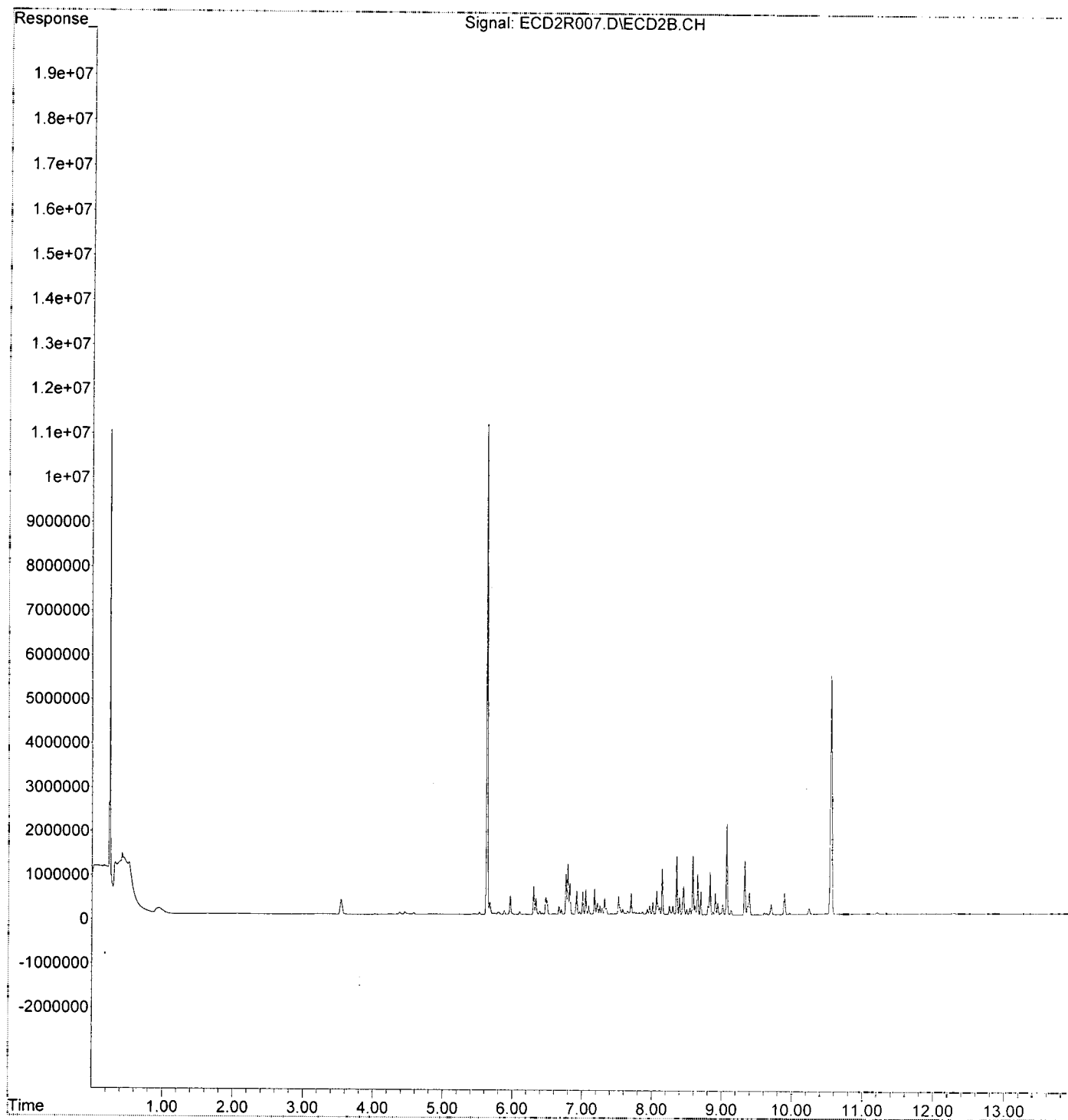
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
Data File : ECD2R007.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:08
Operator : MJB / KAK
Sample : 0A13050-CAL3
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:01:21 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	22681880	86.463 ng/ml
62) S DCBP (S)	10.551	10891716	74.199 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.301	1190843	134.057 ng/ml
3) Aroclor 1016 (2)	6.790	2334544	142.670 ng/ml
4) Aroclor 1016 (3)	6.917	1067264	144.894 ng/ml
5) Aroclor 1016 (4)	7.004	981904	131.670 ng/ml
6) Aroclor 1016 (5)	7.049	1076394	130.455 ng/ml
7) Aroclor 1016 (6)	7.174	1160064	140.937 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)	8.144	2093221	132.628 ng/ml
42) Aroclor 1260 (2)	8.351	2511397	128.304 ng/ml
43) Aroclor 1260 (3)	8.582	2744238	136.311 ng/ml
44) Aroclor 1260 (4)	9.066	4251874	137.396 ng/ml
45) Aroclor 1260 (5)	9.325	2471890	128.116 ng/ml
46) Aroclor 1260 (6)	9.891	1008936	146.253 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R008.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:25
 Operator : MJB / KAK
 Sample : 0A13050-CAL4
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:01:42 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

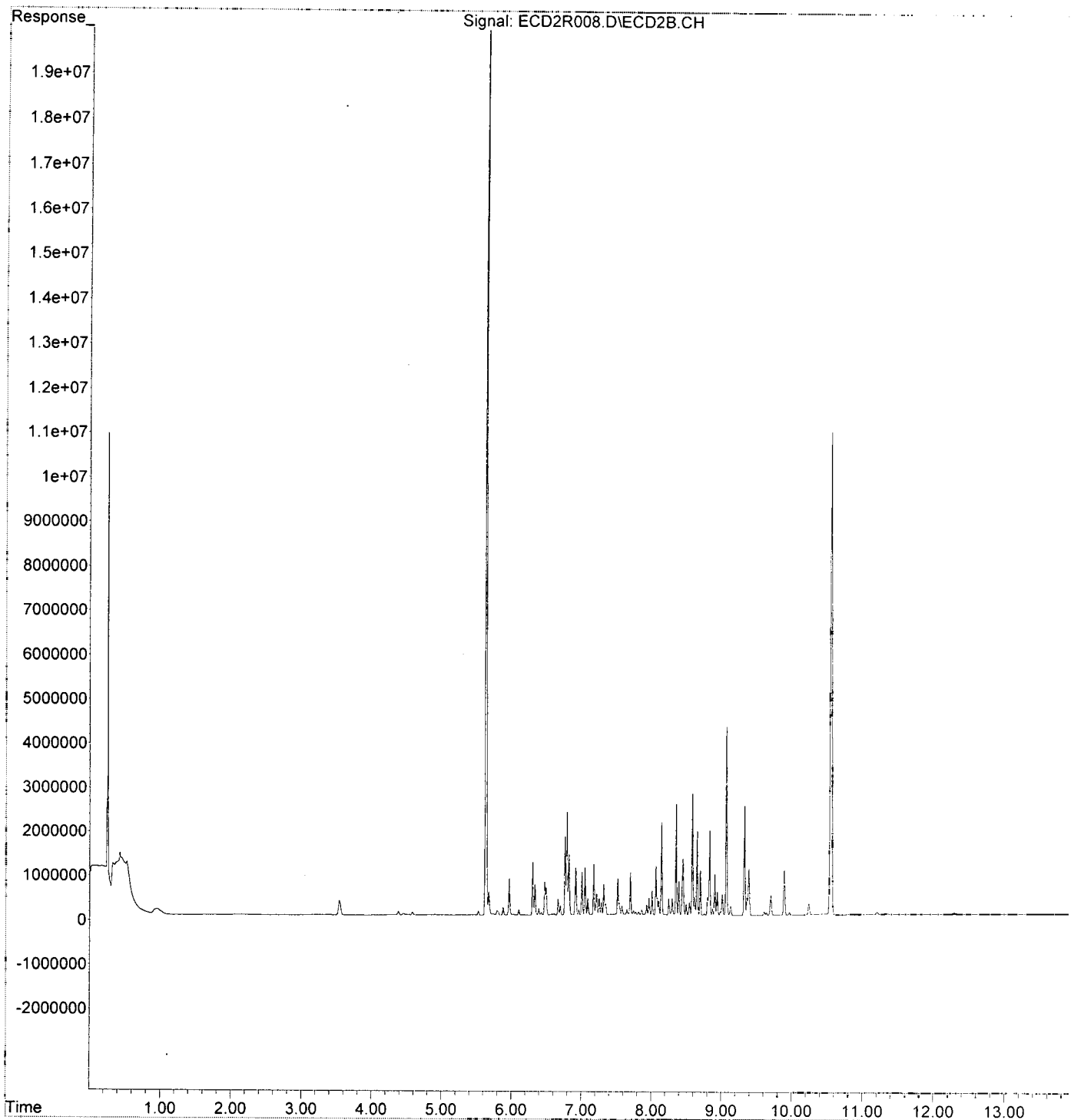
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
Data File : ECD2R008.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:25
Operator : MJB / KAK
Sample : 0A13050-CAL4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:01:42 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:59:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Handwritten signature and date: 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.629	53881075	205.393 ng/ml
62) S DCBP (S)	10.552	25218318	171.798 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	2835860	319.242 ng/ml
3) Aroclor 1016 (2)	6.790	5484312	335.160 ng/ml
4) Aroclor 1016 (3)	6.917	2538905	344.687 ng/ml
5) Aroclor 1016 (4)	7.003	2203390	295.467 ng/ml
6) Aroclor 1016 (5)	7.048	2536989	307.474 ng/ml
7) Aroclor 1016 (6)	7.174	2573883	312.703 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)	8.144	5080914	321.926 ng/ml
42) Aroclor 1260 (2)	8.351	6152313	314.315 ng/ml
43) Aroclor 1260 (3)	8.583	6540031	324.855 ng/ml
44) Aroclor 1260 (4)	9.066	10496732	339.193 ng/ml
45) Aroclor 1260 (5)	9.325	6070844	309.206 ng/ml
46) Aroclor 1260 (6)	9.891	2392226	346.773 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R009.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 18:43
 Operator : MJB / KAK
 Sample : 0A13050-CAL5
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 08:59:57 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

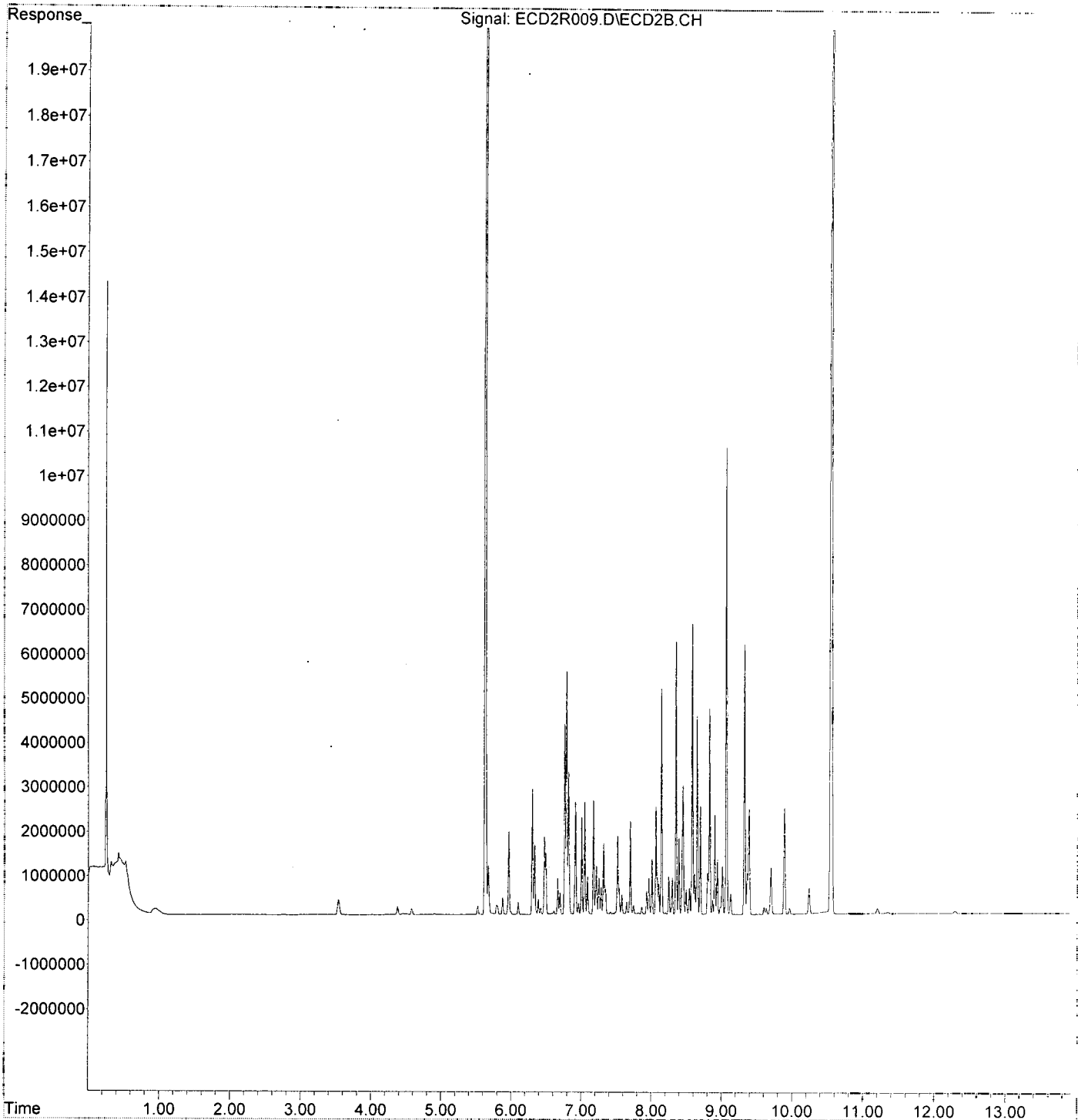
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R009.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 18:43
Operator : MJB / KAK
Sample : 0A13050-CAL5
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 08:59:57 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten Signature]
 1/14/20

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
1) S TCMX (S)	5.631	124870409	476.002 ng/ml
62) S DCBP (S)	10.551	58595711	399.179 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	5624087	633.122 ng/ml
3) Aroclor 1016 (2)	6.790	11025443	673.792 ng/ml
4) Aroclor 1016 (3)	6.917	5145954	698.624 ng/ml
5) Aroclor 1016 (4)	7.004	4338878	581.829 ng/ml
6) Aroclor 1016 (5)	7.048	5224293	633.166 ng/ml
7) Aroclor 1016 (6)	7.173	5149713	625.642 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)	8.143	10123087	641.397 ng/ml
42) Aroclor 1260 (2)	8.350	12298764	628.330 ng/ml
43) Aroclor 1260 (3)	8.582	12961672	643.829 ng/ml
44) Aroclor 1260 (4)	9.066	21886590	707.247 ng/ml
45) Aroclor 1260 (5)	9.325	12074358	674.651 ng/ml
46) Aroclor 1260 (6)	9.890	4594659	666.033 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R010.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:01
 Operator : MJB / KAK
 Sample : 0A13050-CAL6
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:03 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

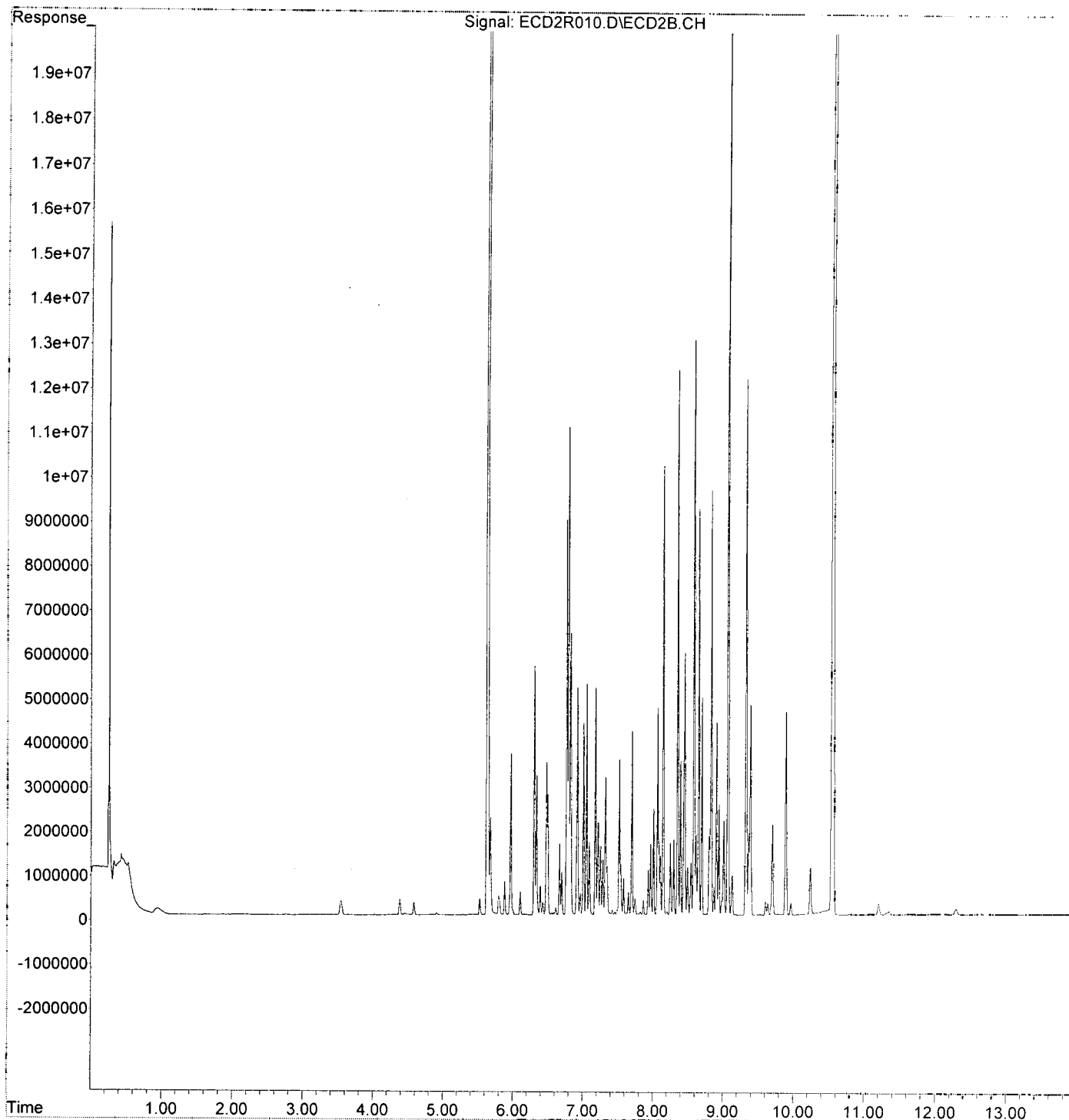
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54) Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
Data File : ECD2R010.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 19:01
Operator : MJB / KAK
Sample : 0A13050-CAL6
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:02:03 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Fri Oct 25 14:23:20 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/14/20

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S TCMX (S)	5.633	194842413	742.733 ng/ml
62) S DCBP (S)	10.553	101081415	688.610 ng/ml
Target Compounds			
2) Aroclor 1016 (1)	6.300	8229290	926.399 ng/ml
3) Aroclor 1016 (2)	6.791	15844863	968.319 ng/ml
4) Aroclor 1016 (3)	6.917	7443643	1010.563 ng/ml
5) Aroclor 1016 (4)	7.004	6442401	865.904 ng/ml
6) Aroclor 1016 (5)	7.049	7076827	857.687 ng/ml
7) Aroclor 1016 (6)	7.174	7407214	899.907 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)	8.144	14548054	921.762 ng/ml
42) Aroclor 1260 (2)	8.351	17676726	903.084 ng/ml
43) Aroclor 1260 (3)	8.583	18285536	908.274 ng/ml
44) Aroclor 1260 (4)	9.067	32592843	1053.210 ng/ml
45) Aroclor 1260 (5)	9.325	17701773	989.081 ng/ml
46) Aroclor 1260 (6)	9.891	6885880	998.164 ng/ml
47) Aroclor 1260 - AVE	0.000	0	N.D. ng/ml

Data Path : K:\DATA\0A13050\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

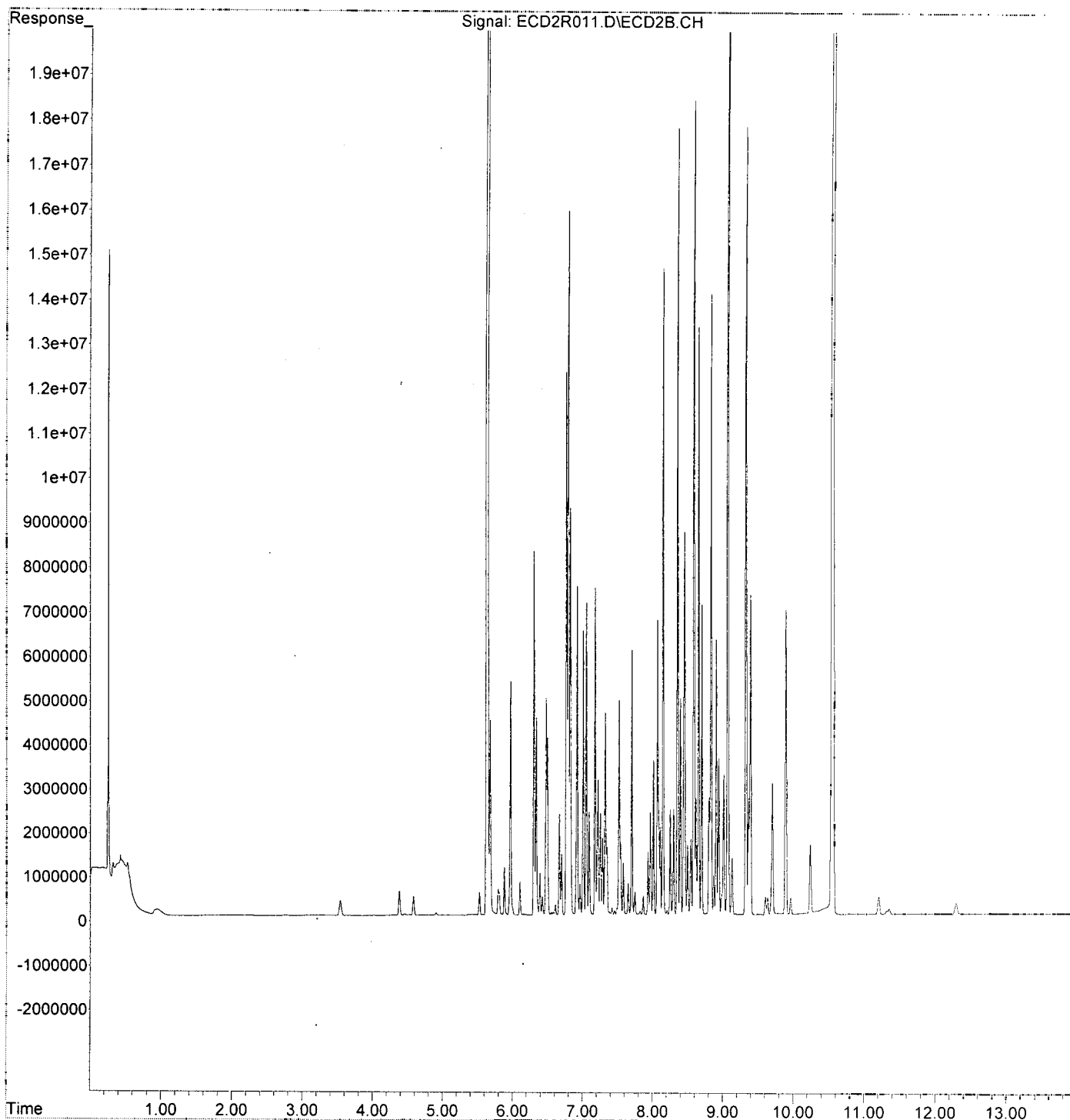
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
 Data File : ECD2R011.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 19:18
 Operator : MJB / KAK
 Sample : 0A13050-CAL7
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:02:23 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Fri Oct 25 14:23:20 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:11
 Operator : MJB / KAK
 Sample : 0A13050-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:08:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:08:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	5.806	868760	405.233	ng/ml
10) Aroclor 1221 (2)	5.878	858489	392.721	ng/ml
11) Aroclor 1221 (3)	5.965	2853506	403.334	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
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

Handwritten signature
 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R014.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:11
 Operator : MJB / KAK
 Sample : 0A13050-CAL8
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:08:11 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:08:06 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

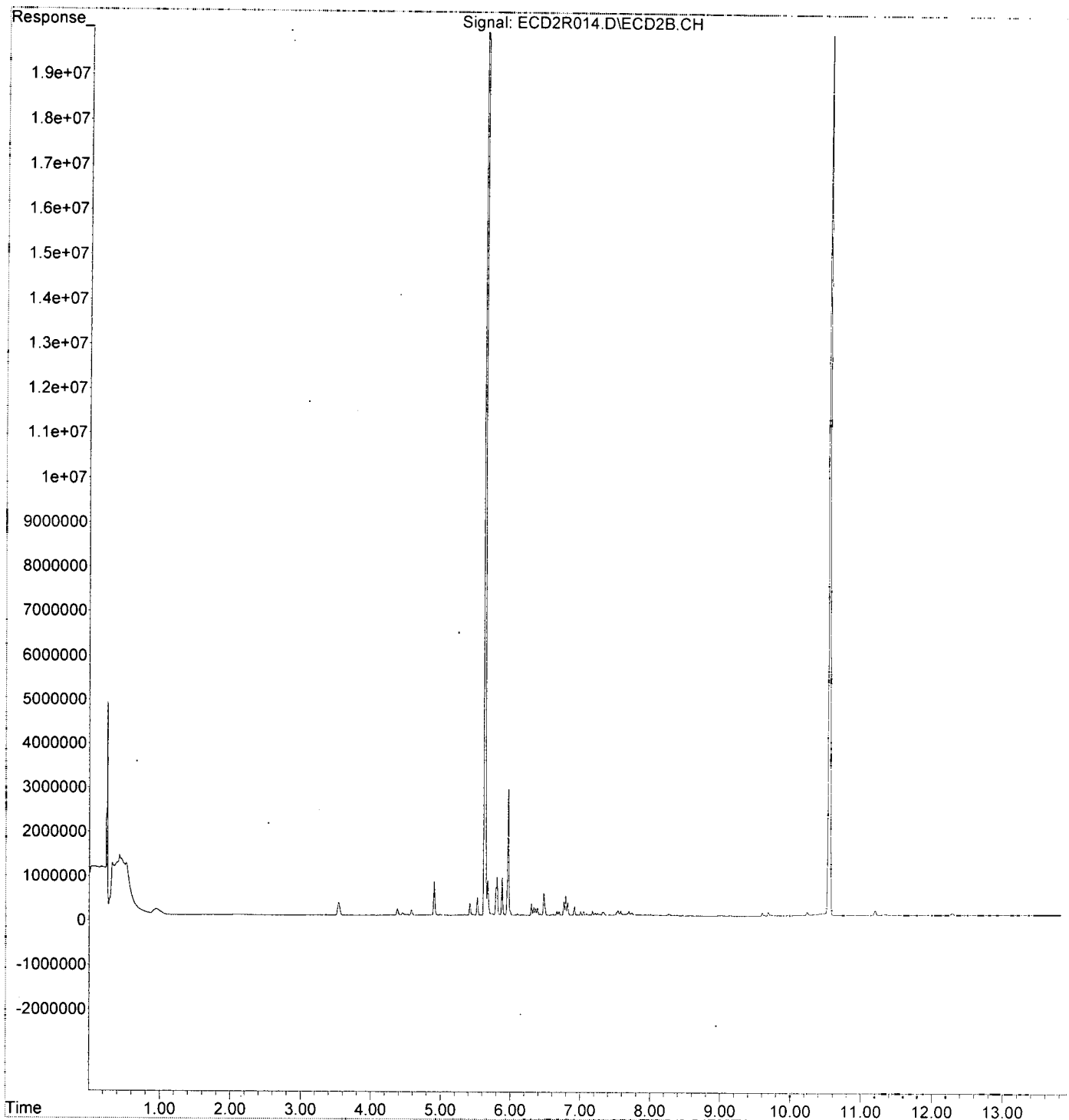
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/ml
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/ml
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/ml
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/ml
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/ml
54)	Aroclor 1262 - AVE	0.000	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 : K:\DATA\0A13050\
Data File : ECD2R014.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 20:11
Operator : MJB / KAK
Sample : 0A13050-CAL8
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:08:11 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:08:06 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:29
 Operator : MJB / KAK
 Sample : 0A13050-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:09:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:09:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	5.963	2284999	399.149	ng/ml
14) Aroclor 1232 (2)	6.298	1301366	374.360	ng/ml
15) Aroclor 1232 (3)	6.789	2445980	377.801	ng/ml
16) Aroclor 1232 (4)	7.002	845919	354.297	ng/ml
17) Aroclor 1232 (5)	7.047	1040422	380.779	ng/ml
18) Aroclor 1232 (6)	7.172	1084837	365.755	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
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

Handwritten signature and date: 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R015.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:29
 Operator : MJB / KAK
 Sample : 0A13050-CAL9
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:09:55 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:09:49 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

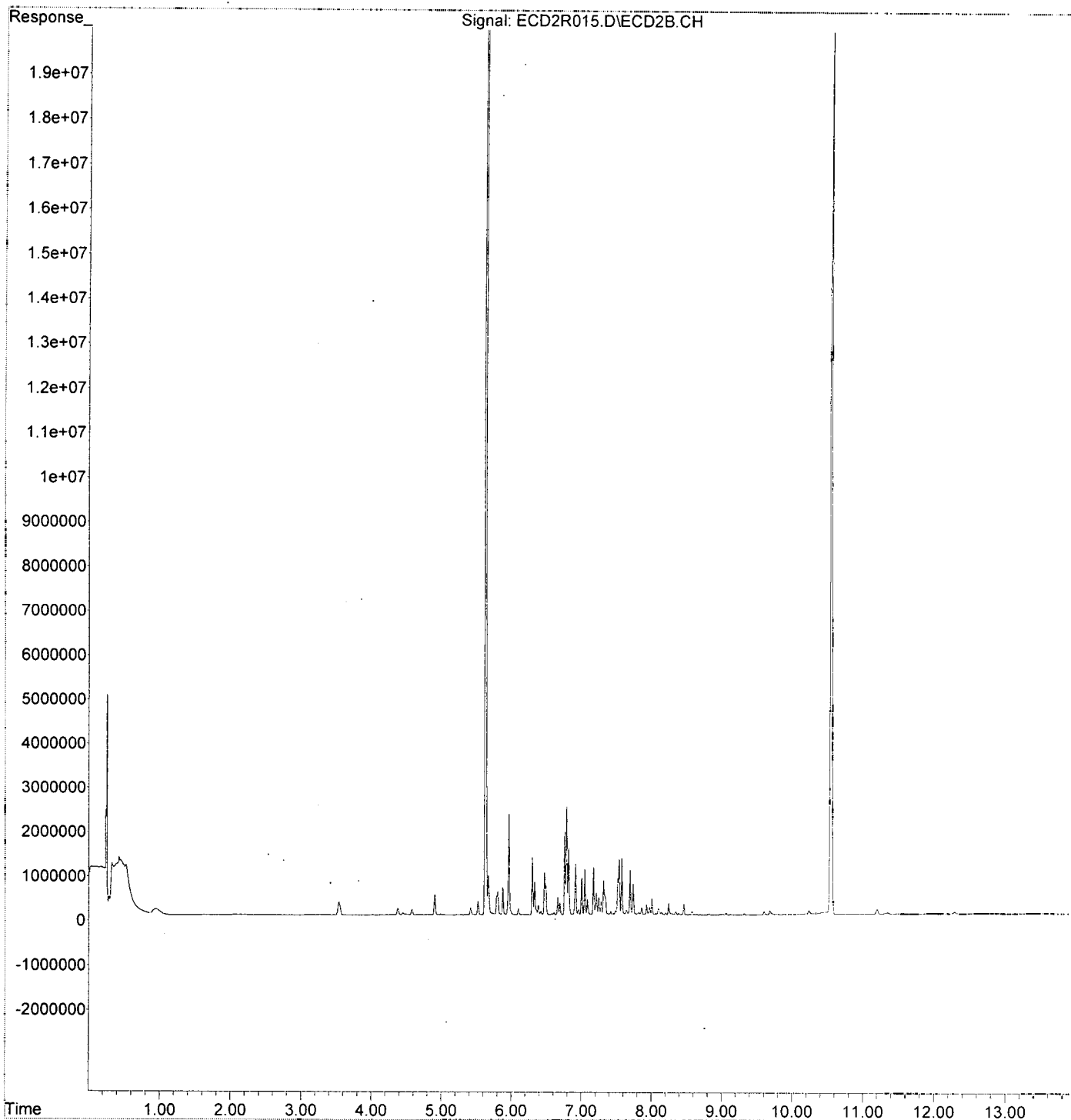
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R015.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 20:29
Operator : MJB / KAK
Sample : 0A13050-CAL9
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:09:55 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:09:49 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:46
 Operator : MJB / KAK
 Sample : 0A13050-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:11:35 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:11:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.299	2273165	346.971	ng/ml
21) Aroclor 1242 (2)	6.788	4411225	372.830	ng/ml
22) Aroclor 1242 (3)	6.916	1915085	362.587	ng/ml
23) Aroclor 1242 (4)	7.003	1651796	330.840	ng/ml
24) Aroclor 1242 (5)	7.047	1996964	343.471	ng/ml
25) Aroclor 1242 (6)	7.172	2085406	326.623	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
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

[Handwritten signature]
 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:46
 Operator : MJB / KAK
 Sample : 0A13050-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:11:35 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:11:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

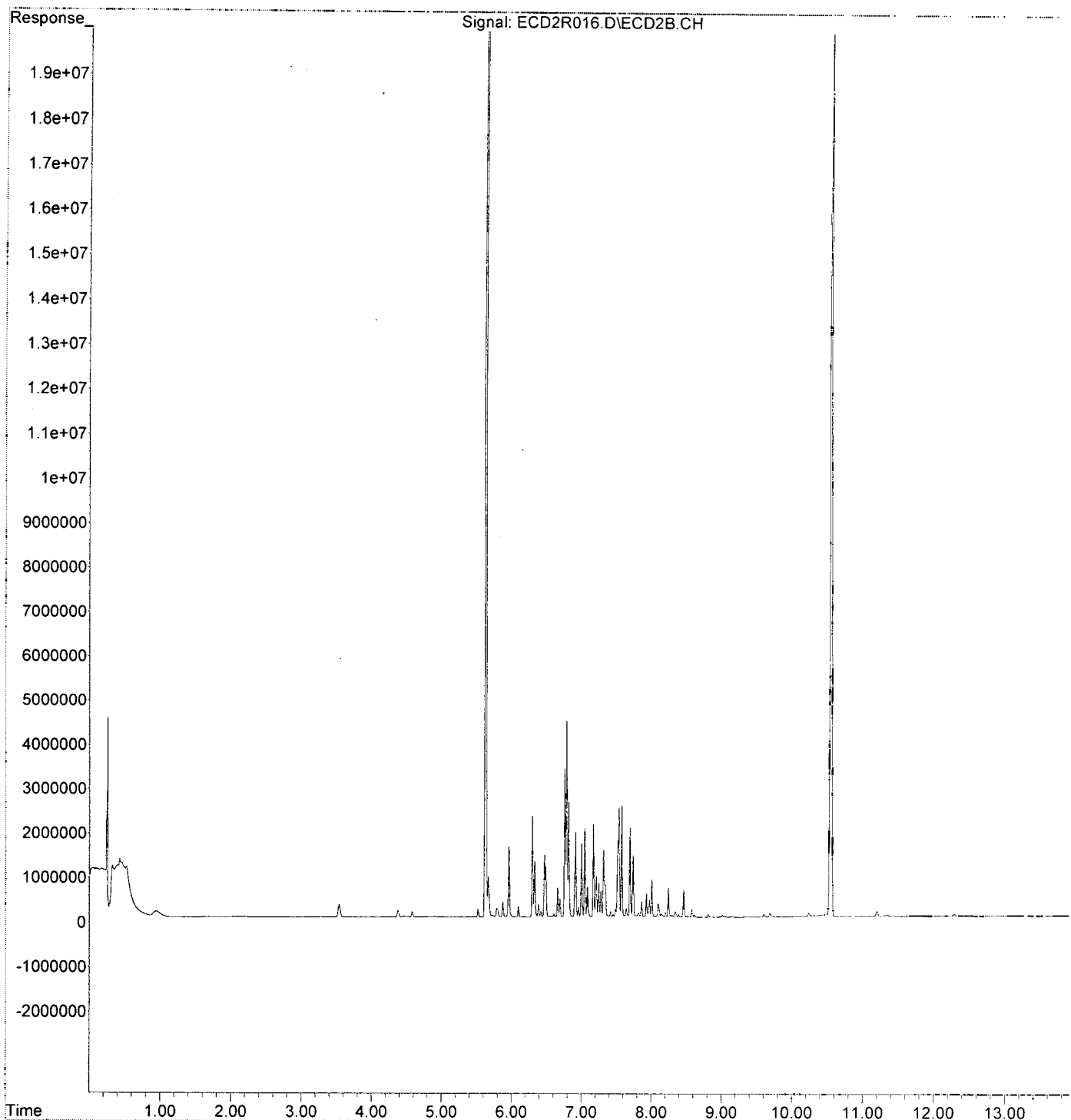
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
 Data File : ECD2R016.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 20:46
 Operator : MJB / KAK
 Sample : 0A13050-CALA
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:11:35 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:11:30 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:04
 Operator : MJB / KAK
 Sample : 0A13050-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:13:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:13:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	6.761	2581015	345.871	ng/ml
28) Aroclor 1248 (2)	7.003	3179675	340.576	ng/ml
29) Aroclor 1248 (3)	7.047	2967887	338.430	ng/ml
30) Aroclor 1248 (4)	7.172	3647754	348.382	ng/ml
31) Aroclor 1248 (5)	7.538	4450876	344.149	ng/ml
32) Aroclor 1248 (6)	7.695	4070608	345.227	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
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

Handwritten signature and date: 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R017.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:04
 Operator : MJB / KAK
 Sample : 0A13050-CALB
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:13:19 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:13:13 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

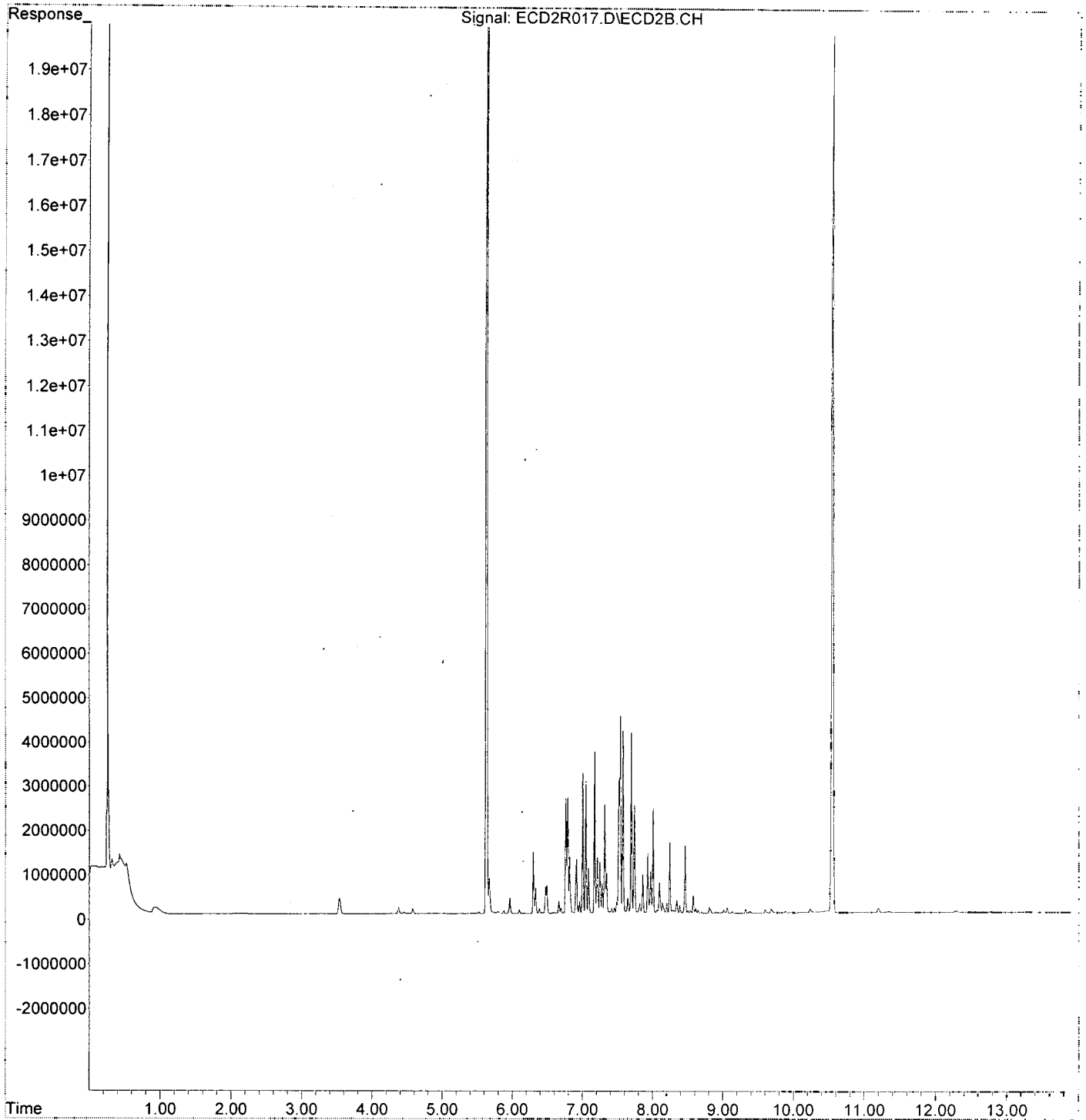
	Compound	R.T.	Response	Conc	Units
48)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R017.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:04
Operator : MJB / KAK
Sample : 0A13050-CALB
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:13:19 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:13:13 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:22
 Operator : MJB / KAK
 Sample : 0A13050-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:15:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:14:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units

System Monitoring Compounds				
1) S TCMX (S)	0.000	0	N.D.	ng/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)	7.515	4236924	327.807	ng/ml
35) Aroclor 1254 (2)	7.696	6954916	343.494	ng/ml
36) Aroclor 1254 (3)	8.006	7587169	354.082	ng/ml
37) Aroclor 1254 (4)	8.246	5458243	330.470	ng/ml
38) Aroclor 1254 (5)	8.580	5624331	358.394	ng/ml
39) Aroclor 1254 (6)	8.810	1763591	160.642	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
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

[Handwritten signature]
 1/14/20

Data Path : K:\DATA\0A13050\
 Data File : ECD2R018.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:22
 Operator : MJB / KAK
 Sample : 0A13050-CALC
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:15:06 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:14:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

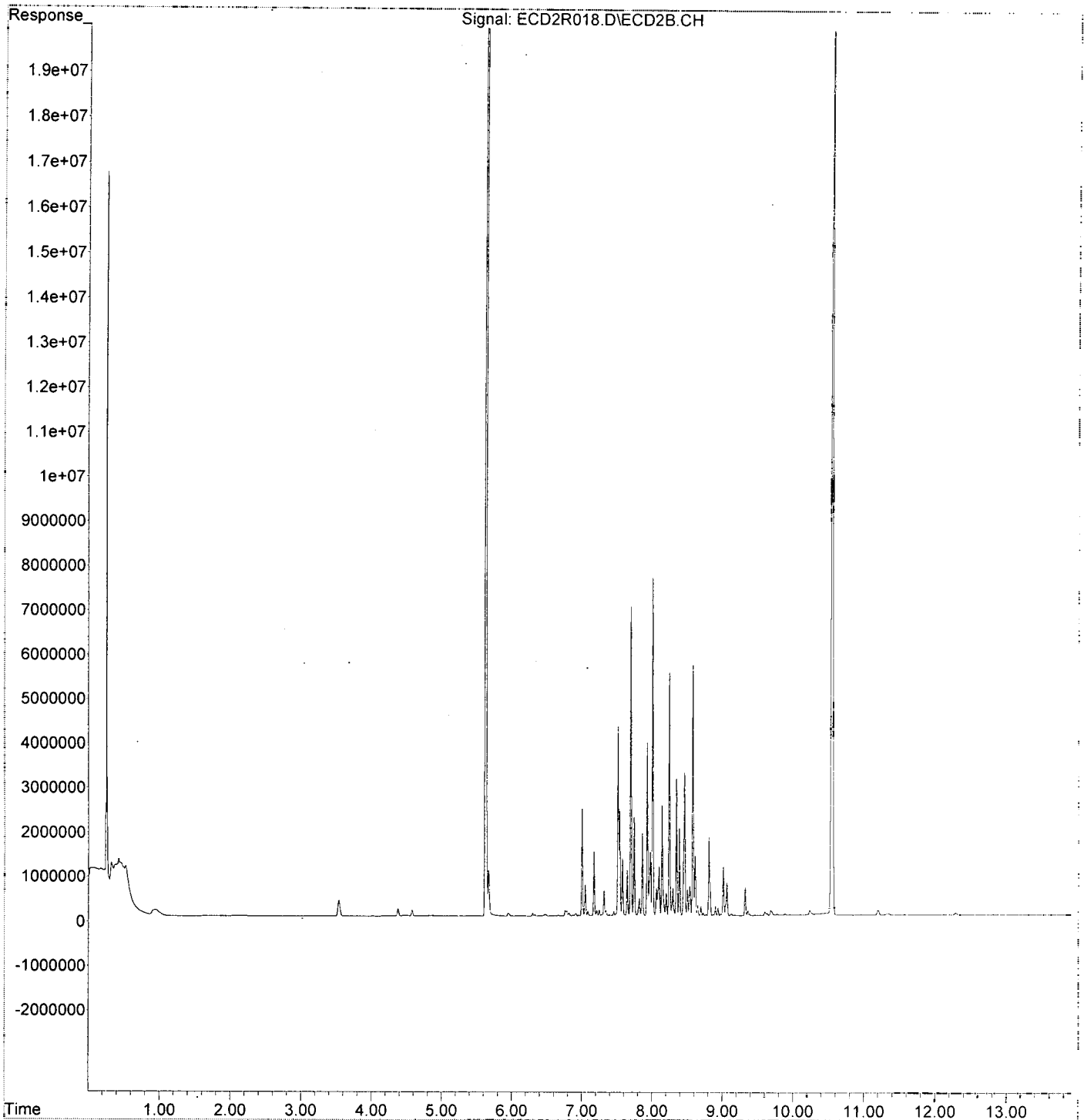
Compound	R.T.	Response	Conc	Units
48) Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
49) Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
50) Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
51) Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
52) Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
53) Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
54) Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
55) Aroclor 1268 (1)	0.000	0	N.D.	ng/mld
56) Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
57) Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
58) Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
59) Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
60) Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R018.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:22
Operator : MJB / KAK
Sample : 0A13050-CALC
Misc :
ALS Vial : 66 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:15:06 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:14:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:39
 Operator : MJB / KAK
 Sample : 0A13050-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:29:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:29:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/14/20

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
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

Data Path : K:\DATA\0A13050\
 Data File : ECD2R019.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:39
 Operator : MJB / KAK
 Sample : 0A13050-CALD
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:29:52 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:29:46 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc Units
48) Aroclor 1262 (1)	8.349	5285848	349.281 ng/ml
49) Aroclor 1262 (2)	8.650	7638753	361.098 ng/ml
50) Aroclor 1262 (3)	8.828	6402101	366.499 ng/ml
51) Aroclor 1262 (4)	9.065	13762305	384.322 ng/ml
52) Aroclor 1262 (5)	9.324	8209776	373.769 ng/ml
53) Aroclor 1262 (6)	9.888	3600266	371.141 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

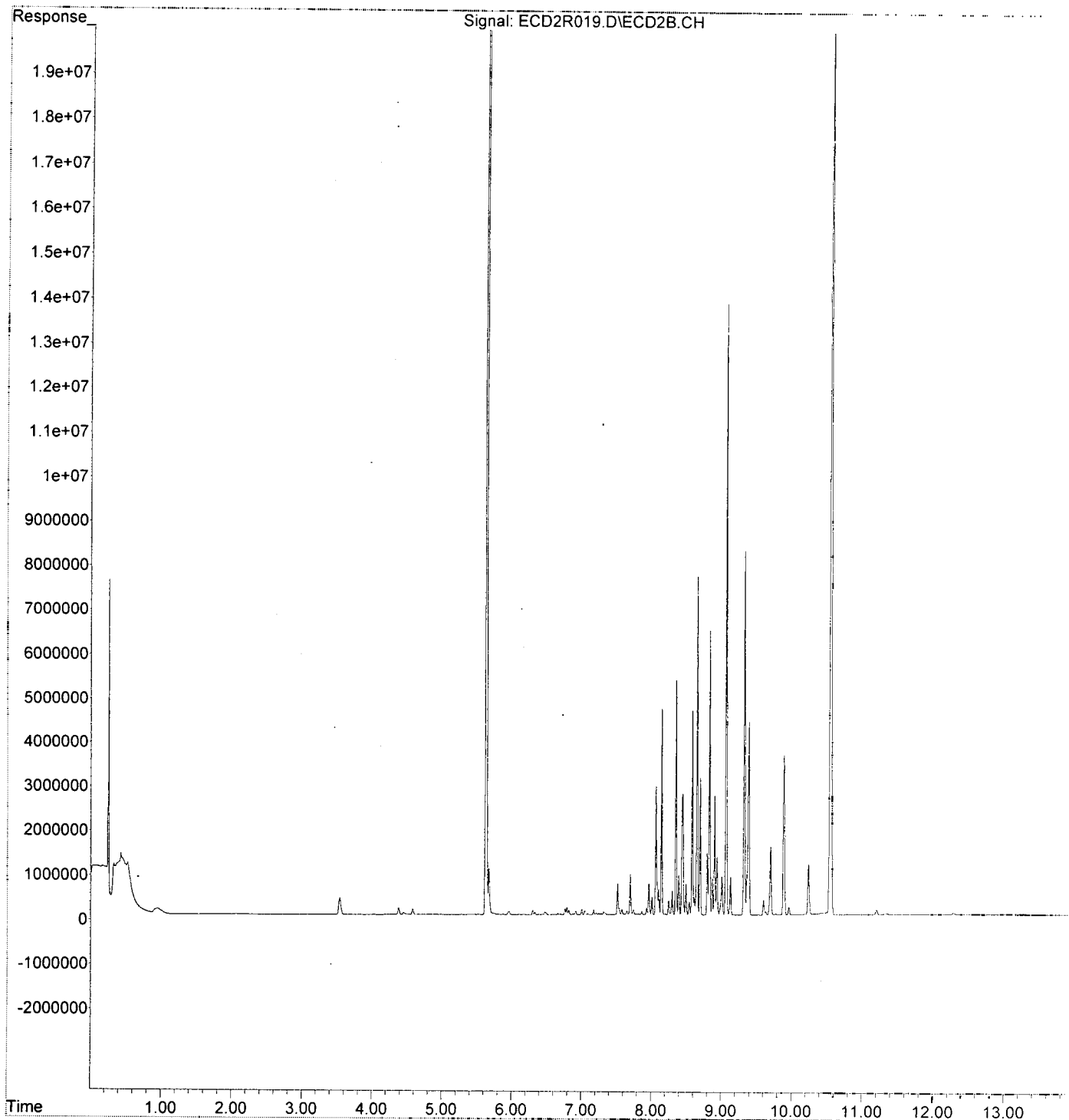
Handwritten signature and date: 1/14/20

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R019.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:39
Operator : MJB / KAK
Sample : 0A13050-CALD
Misc :
ALS Vial : 67 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:29:52 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:29:46 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : K:\DATA\0A13050\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:57
 Operator : MJB / KAK
 Sample : 0A13050-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:31:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:31:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

[Handwritten signature]
 1/14/20

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
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

Data Path : K:\DATA\0A13050\
 Data File : ECD2R020.D
 Signal(s) : ECD2B.CH
 Acq On : 13 Jan 2020 21:57
 Operator : MJB / KAK
 Sample : 0A13050-CALE
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
 Quant Time: Jan 14 09:31:53 2020
 Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
 Quant Title : PCB Data Analysis
 QLast Update : Tue Jan 14 09:31:47 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Compound	R.T.	Response	Conc	Units
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)	8.867	3116077	333.865	ng/ml
56) Aroclor 1268 (2)	9.324	13883261	353.838	ng/ml
57) Aroclor 1268 (3)	9.390	11258146	357.094	ng/ml
58) Aroclor 1268 (4)	9.601	9626631	355.419	ng/ml
59) Aroclor 1268 (5)	9.888	3911591	369.151	ng/ml
60) Aroclor 1268 (6)	10.237	25307518	344.410	ng/ml
61) Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

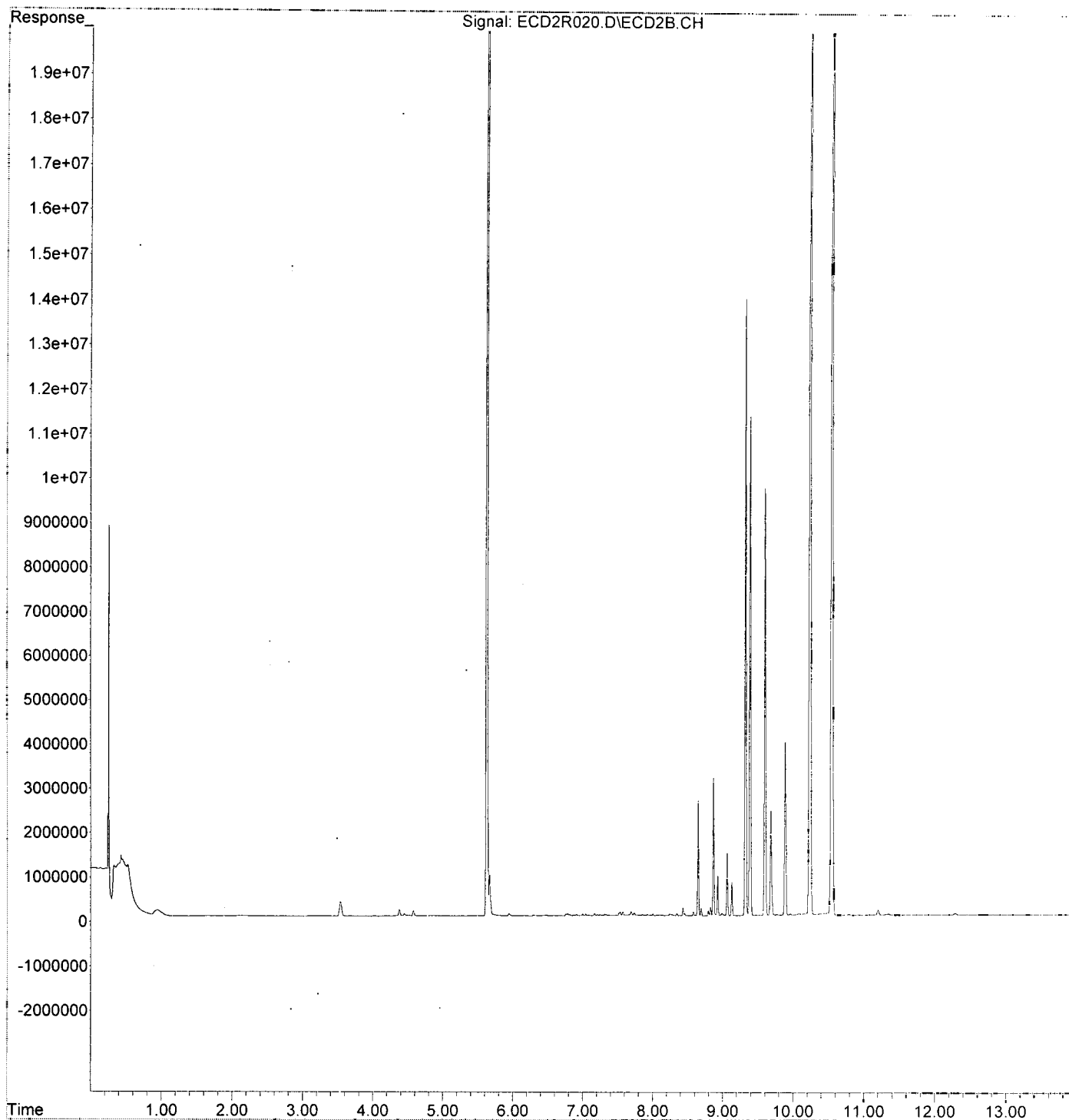
[Handwritten signature]
 1/14/20

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : K:\DATA\0A13050\
Data File : ECD2R020.D
Signal(s) : ECD2B.CH
Acq On : 13 Jan 2020 21:57
Operator : MJB / KAK
Sample : 0A13050-CALE
Misc :
ALS Vial : 68 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 09:31:53 2020
Quant Method : L:\Methods\RECD2_QUANTPCB_200113.M
Quant Title : PCB Data Analysis
QLast Update : Tue Jan 14 09:31:47 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 9121450
Sequence 0A09021 (A9J0861-02RE1,03RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121450 (Soil)

Prep Method: EPA 3546/3640A (GPC)

#	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	
	9121450-BLK1	QC	12/20/19 09:46	11	10				100						
	9121450-BSI	QC	12/20/19 09:46	10	10	A19I221		100	100						
	A9J0553-46RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.79	20				100	PDI-086SC-B-06-08-191012	MDL. Use Custom Spike.				
	A9J0553-46RE2	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.79	20				100	PDI-086SC-B-06-08-191012	Added 1/10/2020 By MJB				
	A9J0553-47RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.26	20				100	PDI-090SC-B-00-02-191012	MDL. Use Custom Spike.				
	A9J0553-48RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.94	20				100	PDI-090SC-B-02-04-191012	MDL. Use Custom Spike.				
	A9J0553-49RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.34	20				100	PDI-090SC-B-04-06-191012	MDL. Use Custom Spike.				
	A9J0553-50RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.77	20				100	PDI-090SC-B-06-08-191012	MDL. Use Custom Spike.				
	A9J0558-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.1	20				100	PDI-073SC-B-00-02-191013	MDL. Use Custom Spike.				
	A9J0558-13RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.13	20				100	PDI-073SC-B-02-04-191013	MDL. Use Custom Spike.				
	A9J0558-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.61	20				100	PDI-073SC-B-04-06-191013	MDL. Use Custom Spike.				
	A9J0558-14RE2	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.61	20				100	PDI-073SC-B-04-06-191013	Added 1/13/2020 By MJB				
	A9J0558-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.2	20				100	PDI-073SC-B-06-08-191013	MDL. Use Custom Spike.				
	A9J0558-15RE2	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.2	20				100	PDI-073SC-B-06-08-191013	Added 1/13/2020 By MJB				
	A9J0558-30RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.08	20				100	PDI-075SC-B-00-02-191013	MDL. Use Custom Spike.				
	A9J0558-31RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.33	20				100	PDI-075SC-B-02-04-191013	MDL. Use Custom Spike.				
	A9J0558-32RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.84	20				100	PDI-075SC-B-04-06-191013	MDL. Use Custom Spike.				
	A9J0558-33RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.26	20				100	PDI-075SC-B-06-08-191013	MDL. Use Custom Spike.				
	A9J0558-46RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.19	20				100	PDI-076SC-B-00-02-191013	MDL. Use Custom Spike.				

Prepared By: _____ Date: _____

MJB 1/14/20
Reviewed By: _____ Date: _____

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121450 (Soil)

Prep Method: EPA 3546/3640A (GPC)

#	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
	A9J0861-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.41	20				100	PDI-034SC-A-02-03-191022	MDL. Use Custom Spike.			
	A9J0861-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.36	10				100	PDI-034SC-A-03-04-191022	MDL. Use Custom Spike.			
	A9J0903-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.51	20				100	PDI-057SC-A-04-05-191023	MDL. Use Custom Spike.			
	A9J0903-06RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.96	20				100	PDI-057SC-A-05-06-191023	MDL. Use Custom Spike.			
	A9J0903-24RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.53	20				100	PDI-062SC-A-06-07-191023	MDL. Use Custom Spike.			
	A9J0903-25RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.53	20				100	PDI-062SC-A-07-08-191023	MS/MSD, MDL. Use Custom Spike.			
	9121450-MS1	QC	12/20/19 09:46	10.31	20	A19I221	A9J0903-25RE1	100	100					
	9121450-MSD1	QC	12/20/19 09:46	10.77	20	A19I221	A9J0903-25RE1	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
A19H411	08/31/21	n-Hexane Lot# 192712	A19I221	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A19I263	03/18/20	DCM CHEM PROD. 194934						

From 9121176 on 12/31/2019 by gwh

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121450 (Soil)

Prep Method: EPA 3546/3640A (GPC)

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		
2	9121450-BLK1	QC	12/20/19 09:46	11	510				100								
3	9121450-BS1	QC	12/20/19 09:46	10	510	0A19L171		100	100								
4	A9J0553-46RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.79	520				100	PDI-086SC-B-06-08-191012	MDL Use Custom	Spike. 2ml					
5	A9J0553-47RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.26	520				100	PDI-090SC-B-00-02-191012	MDL Use Custom	Spike. 2ml					
6	A9J0553-48RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.94	520				100	PDI-090SC-B-02-04-191012	MDL Use Custom	Spike. 2ml					
7	A9J0553-49RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.34	520				100	PDI-090SC-B-04-06-191012	MDL Use Custom	Spike. 2ml					
8	A9J0553-50RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.77	520				100	PDI-090SC-B-06-08-191012	MDL Use Custom	Spike. 2ml					
9	A9J0558-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.1	520				100	PDI-073SC-B-00-02-191013	MDL Use Custom	Spike. 2ml				S, P	
10	A9J0558-13RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.13	520				100	PDI-073SC-B-02-04-191013	MDL Use Custom	Spike. 2ml				S, P	
11	A9J0558-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.61	520				100	PDI-073SC-B-04-06-191013	MDL Use Custom	Spike. 2ml				S, P	
12	A9J0558-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.2	520				100	PDI-073SC-B-06-08-191013	MDL Use Custom	Spike. 2ml				S, P	
13	A9J0558-30RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.08	520				100	PDI-075SC-B-00-02-191013	MDL Use Custom	Spike. 2ml					
14	A9J0558-31RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.33	520				100	PDI-075SC-B-02-04-191013	MDL Use Custom	Spike. 2ml					
15	A9J0558-32RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.84	520				100	PDI-075SC-B-04-06-191013	MDL Use Custom	Spike. 2ml					
16	A9J0558-33RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.26	520				100	PDI-075SC-B-06-08-191013	MDL Use Custom	Spike. 2ml					
17	A9J0558-46RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.19	520				100	PDI-076SC-B-00-02-191013	MDL Use Custom	Spike. 2ml					
18	A9J0861-02RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.41	520				100	PDI-034SC-A-02-03-191022	MDL Use Custom	Spike. 2ml					
19	A9J0861-03RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.36	520	NR 1/9/20			100	PDI-034SC-A-03-04-191022	MDL Use Custom	Spike. 2ml					
20	A9J0903-05RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.51	520				100	PDI-057SC-A-04-05-191023	MDL Use Custom	Spike. 2ml					

Prepared By: CAH Date: 12/31/19
ART Date: 1/2/20
02/2/20

Reviewed By: CAS Date: 01/02/20

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121450 (Soil)

Prep Method: EPA 3546/3640A (GPC)

in | out

#	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
21	A9J0903-06RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.96	5 20				100	PDI-057SC-A-05-06-191023	MDL Use Custom Spike. 0.5mL	2mL			
22	A9J0903-24RE1	B 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.53	5 20				100	PDI-062SC-A-06-07-191023	MDL Use Custom Spike. 0.5mL	2mL			
23	A9J0903-25RE1	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.53	5 20				100	PDI-062SC-A-07-08-191023	MS/MSD, MDL Use Custom Spike. 0.5mL	2mL			
24	9121450-MS1	QC	12/20/19 09:46	10.31	5 20	A19L171	A9J0903-25RE1	100	100		0.5mL	2mL			
25	9121450-MSD1	QC	12/20/19 09:46	10.77	5 20	A19L171	A9J0903-25RE1	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
A19H411	08/31/21	n-Hexane Lot# 192712	A19L171	02/28/20	8082 PCB Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A19I263	03/18/20	DCM CHEM PROD. 194934						

A19I221 2,4+4,4 DDx Test matrix spike
MB
1/10/20

on turbidap tube

S = staining during solvent exchange

P = precipitate formed during solvent exchange

From 9121176 on 12/31/2019 by gwh

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121176 (Soil)

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	
1	9121176-BLKT	QC	12/20/19 09:46	11	5				100						
2	9121176-BS1	QC	12/20/19 09:46	10	5	A191221		100	100						
3	A9J0553-46	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.79	5				100	PDI-086SC-B-06-08-191012	MDL. Use Custom Spike. MUD, odor				
4	A9J0553-47	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.26	5				100	PDI-090SC-B-00-02-191012	MDL. Use Custom Spike. MUD				
5	A9J0553-48	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.94	5				100	PDI-090SC-B-02-04-191012	MDL. Use Custom Spike.				
6	A9J0553-49	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.34	5				100	PDI-090SC-B-04-06-191012	MDL. Use Custom Spike.				
7	A9J0553-50	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.77	5				100	PDI-090SC-B-06-08-191012	MDL. Use Custom Spike.				
8	A9J0558-12	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.10	5				100	PDI-073SC-B-00-02-191013	MDL. Use Custom Spike. MUD, Product sheen				
9	A9J0558-13	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.13	5				100	PDI-073SC-B-02-04-191013	MDL. Use Custom Spike. MUD, Product sheen				
10	A9J0558-14	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.61	5				100	PDI-073SC-B-04-06-191013	MDL. Use Custom Spike. Sand, product sheen				
11	A9J0558-15	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.20	5				100	PDI-073SC-B-06-08-191013	MDL. Use Custom Spike. MUD, product sheen				
12	A9J0558-30	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.08	5				100	PDI-075SC-B-00-02-191013	MDL. Use Custom Spike. Goopy MUD				
13	A9J0558-31	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.33	5				100	PDI-075SC-B-02-04-191013	MDL. Use Custom Spike. MUD, odor				
14	A9J0558-32	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.84	5				100	PDI-075SC-B-04-06-191013	MDL. Use Custom Spike. MUD, odor				
15	A9J0558-33	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.26	5				100	PDI-075SC-B-06-08-191013	MDL. Use Custom Spike. MUD, odor				
16	A9J0558-46	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.19	5				100	PDI-076SC-B-00-02-191013	MDL. Use Custom Spike. MUD				
17	A9J0861-02	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.41	5				100	PDI-034SC-A-02-03-191022	MDL. Use Custom Spike. Sand, product sheen				
18	A9J0861-03	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.36	5				100	PDI-034SC-A-03-04-191022	MDL. Use Custom Spike. Sand				
19	A9J0903-05	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.51	5				100	PDI-057SC-A-04-05-191023	MDL. Use Custom Spike. MUD, odor				

Prepared By: AMH Date: 12/20/19
Date: 12/20/19

Reviewed By: CAS Date: 12/20/19

Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121176 (Soil)

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
20	A9J0903-06	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.96	5				100	PDI-057SC-A-05-06-191023	MDL. Use Custom Spike. MUD			
21	A9J0903-24	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.53	5				100	PDI-062SC-A-06-07-191023	MDL. Use Custom Spike. MUD			
22	A9J0903-25	A 8081B 2,4+4,4-DDx Only (+Add)	12/20/19 09:46	10.53	5				100	PDI-062SC-A-07-08-191023	MS/MSD, MDL. Use Custom Spike. MUD			
23	9121176-MS1	QC	12/20/19 09:46	10.31	5	A191221	A9J0903-25	100	100		MUD			
24	9121176-MSD1	QC	12/20/19 09:46	10.77	5	A191221	A9J0903-25	100	100		MUD			

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	A191221	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A19K379	05/07/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool				A19L272	02/20/20	
A191263	03/18/20	DCM CHEM PROD. 194934						
A19K010	10/29/25	Sodium Sulfate Lot # 188777						

Method 3546 digestion time and temperture achieved.

Initial: IC

Witness: CAH

12/20/19

* = Heavy dark staining.

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A09021**
Date: **01/09/20 10:35**

Instrument: **DUALECD5**
Calibration: **A0A0906**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A09021-BKD1	Sediment	QC	QC				A20A019
2	0A09021-CCV1	Sediment	QC	QC				A19K133
3	0A09021-CCV2	Sediment	QC	QC				A19J408
4	0A09021-CCB1	Sediment	QC	QC				A19L339
5	9121450-BLK1	Soil	QC	QC		9121450		
6	9121450-BS1	Soil	QC	QC		9121450		
7	A9J0861-03RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
8	A9J0553-46RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
9	0A09021-IBL1	Sediment	QC	QC				
10	A9J0558-46RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
11	0A09021-IBL2	Sediment	QC	QC				
12	A9J0903-06RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
13	0A09021-IBL3	Sediment	QC	QC				
14	A9J0553-47RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
15	0A09021-IBL4	Sediment	QC	QC				
16	A9J0553-48RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
17	0A09021-IBL5	Sediment	QC	QC				
18	A9J0553-49RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
19	0A09021-IBL6	Sediment	QC	QC				
20	A9J0553-50RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
21	0A09021-IBL7	Sediment	QC	QC				
22	0A09021-CCV3	Sediment	QC	QC				A19K134
23	0A09021-CCV4	Sediment	QC	QC				A19J409
24	0A09021-CCB2	Sediment	QC	QC				A19L339
25	A9J0861-02RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
26	0A09021-IBL8	Sediment	QC	QC				
27	A9J0514-40RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	12/27/19	9121314		
28	0A09021-IBL9	Sediment	QC	QC				
29	A9J0553-39RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	12/27/19	9121314		
30	0A09021-IBLA	Sediment	QC	QC				
31	A9J0553-40RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	12/27/19	9121314		
32	0A09021-IBLB	Sediment	QC	QC				
33	A9J0553-41RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	12/27/19	9121314		
34	0A09021-IBLC	Sediment	QC	QC				
35	A9J0558-12RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
36	0A09021-IBLD	Sediment	QC	QC				
37	A9J0558-13RE1	Soil	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/02/20	9121450		
38	0A09021-IBLE	Sediment	QC	QC				
39	0A09021-CCV5	Sediment	QC	QC				A19K133
40	0A09021-CCV6	Sediment	QC	QC				A19J408
41	0A09021-CCB3	Sediment	QC	QC				A19L339
42	0A09021-IBLF	Sediment	QC	QC				

Data Entered By: MJB 1/10/20

Comments:

Data Reviewed By: MVA 1/13/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0A09021 BKD1
Data File: ECD5-01092003.D

First Column Area Counts		Percent Breakdown	
DDE	629413		
DDD	2694632		
DDT	153690607	2.12	PASS
Endrin	82610091	7.88	PASS
Endrin Aldehyde	2835314		
Endrin Ketone	4229547		

Second Column Area Counts		Percent Breakdown	
DDE	952899		
DDD	5536316		
DDT	241197563	2.62	PASS
Endrin	123147776	7.02	PASS
Endrin Aldehyde	3825575		
Endrin Ketone	5471585		

Breakdown must be less than 15% to accept sample data.

MS
1/9/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\4\data\2020-01\0A09021\
 Data File : ECD5-01092003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 11:22
 Operator : MJB
 Sample : 0A09021-BKD1
 Misc : A20A019
 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: Jan 09 11:36:19 2020
 Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
 Quant Title : Pesticides
 QLast Update : Thu Aug 21 11:53:22 2014
 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	7.595	629413	NoCal	ng/mL
2) Endrin	7.968	82610091	NoCal	ng/mL
3) 4,4'-DDD	8.016	2694632	NoCal	ng/mL
4) 4,4'-DDT	8.214	153690607	NoCal	ng/mL
5) Endrin Aldehyde	8.414	2835314	NoCal	ng/mL
6) Endrin Ketone	8.911	4229547	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.490	952899	NoCal	ng/mL
9) Endrin [2C]	8.873	123147776	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.908	5536316	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.256	3825575	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.138	241197563	NoCal	ng/mL
13) Endrin Ketone [2C]	9.852	5471585	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

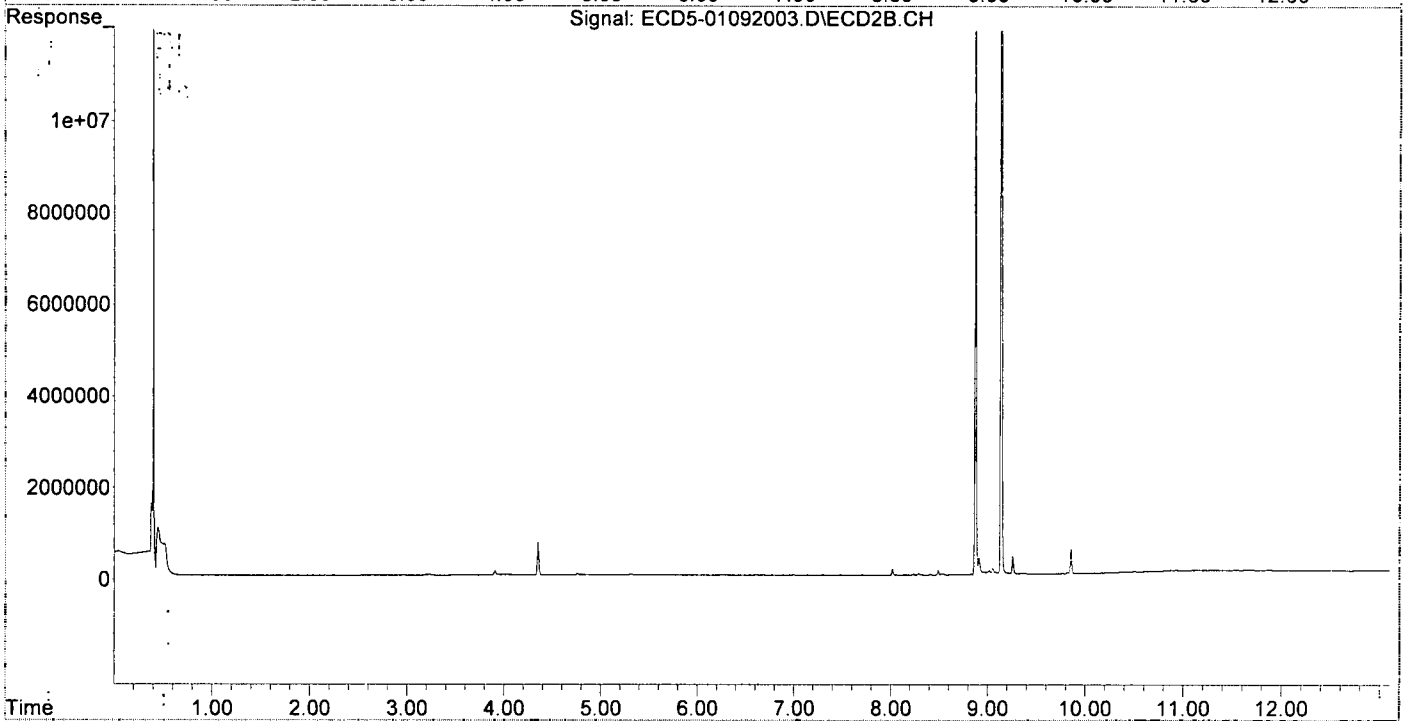
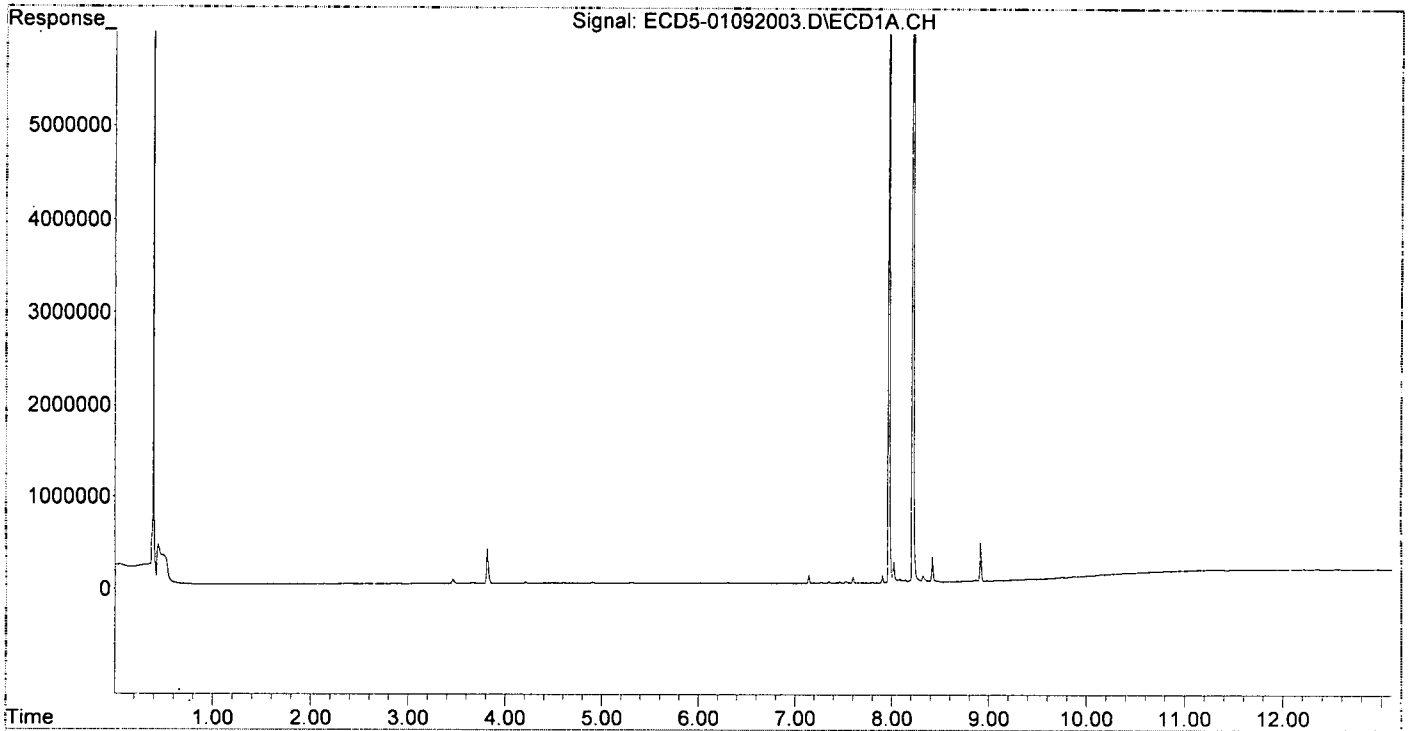
(m)=manual int.

MJB
1/9/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\4\data\2020-01\0A09021\
Data File : ECD5-01092003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 11:22
Operator : MJB
Sample : 0A09021-BKD1
Misc : A20A019
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: Jan 09 11:36:19 2020
Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
Quant Title : Pesticides
QLast Update : Thu Aug 21 11:53:22 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 11:40
 Operator : MJB
 Sample : 0A09021-CCV1
 Misc : A19K133, 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: Jan 09 17:54:28 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

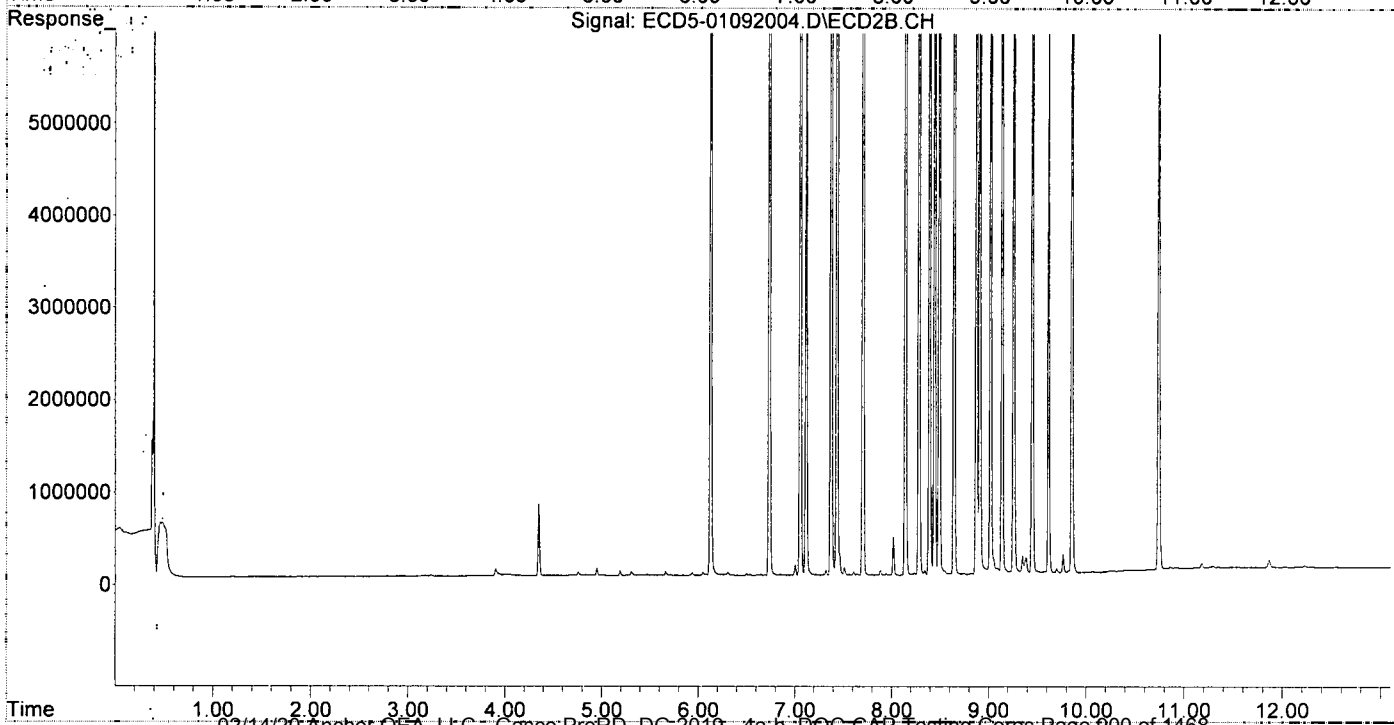
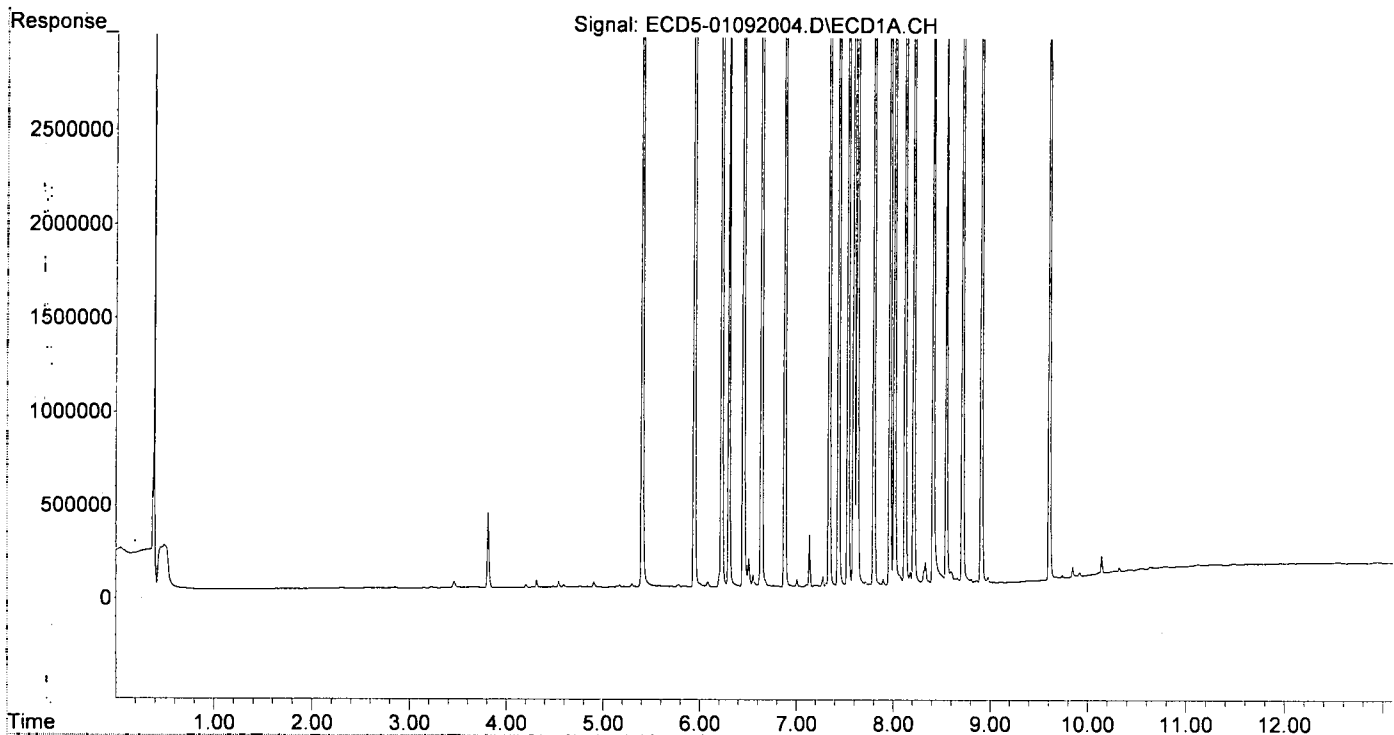
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.404	6.127	9036934	15317045	46.281	51.385
22) S DCBP (S)	9.607	10.738	7152982	8779072	47.940	49.335
Target Compounds						
2) a-BHC	5.944	6.734	12821959	22854208	48.722	55.344
3) g-BHC	6.226	7.054	11561301	20225540	49.513	55.398
4) b-BHC	6.302	7.114	4821194	7875708	49.423	48.961
5) Heptachlor	6.638	7.433	11093465	19059432	48.819	53.766
6) d-BHC	6.451	7.373	11153293	19515784	51.199	54.627
7) Aldrin	6.879	7.703	10808437	18243533	48.987	54.776
8) Heptachlo...	7.340	8.140	9817324	16229354	47.621	52.686
9) trans-Chl...	7.436	8.281	10325590	16459735	49.002	52.784
10) cis-Chlor...	7.533	8.389	9701564	15748926	47.411	53.090
11) Endosulfa...	7.630	8.441	9279528	15047482	47.881	54.150
12) 4,4'-DDE	7.593	8.489	10251245	16724281	49.718	53.926
13) Dieldrin	7.801	8.643	10510792	16852584	48.802	54.552
14) Endrin	7.966	8.872	8905258	13608857	51.470	57.919
15) 4,4'-DDD	8.014	8.907	8435373	13622793	48.857	55.421
16) Endosulfa...	8.123	9.018	8097048	12885030	47.457	52.743
17) 4,4'-DDT	8.213	9.136	8580278	13327611	51.794	56.484
18) Endrin Al...	8.413	9.256	6862060	10719612	44.817	47.940
19) Endosulfa...	8.716	9.447	7937135	12540799	49.596	56.574
20) Methoxychlor	8.549	9.613	4289499	6461541	49.528	54.330
21) Endrin Ke...	8.910	9.852	9393664	14007388	49.189	55.933
23) Hexachlor...	3.226f	0.000	7422	0	0.037	N.D. #
24) Hexachlor...	5.784	6.609	14715	10603	BelowCal	0.033
25) Oxychlordane	7.275	0.000	52591	0	0.098	N.D. #
26) 2,4'-DDE	7.340	8.281	9817324	16459735	68.849	78.160
27) trans-Non...	7.533	8.343	9701564	46317	48.573	0.151 #
28) 2,4'-DDD	7.717	8.643	20805	16852584	0.164	91.372 #
29) 2,4'-DDT	7.898	8.872	30415	13608857	0.208	65.828 #
30) cis-Nonac...	8.014	8.907	8435373	13622793	35.789	39.933
31) Mirex	8.663	9.852	27455	14007388	6722.844	74.769 #
32) Chlordane...	7.436	8.281	10325590	16459735	440.106	423.163
33) Chlordane...	7.533	8.389	9701564	15748926	336.617	490.652 #
34) Chlordane...	0.000	9.090f	0	64894	N.D.	6.112 #
35) Chlordane...	3.810	0.000	403478	0	NoCal	N.D.
36) Toxaphene...	7.533f	8.643f	9701564	16852584	9211.320	6231.756
37) Toxaphene...	7.801	0.000	10510792	0	5404.940	N.D. #
38) Toxaphene...	8.123	9.018	8097048	12885030	1886.143	2130.169
39) Toxaphene...	8.333f	9.090	115119	64894	28.494	7.190 #
40) Toxaphene...	8.596	9.256	61867	10719612	18.817	2134.551 #
41) Toxaphene...	8.663	9.613f	27455	6461541	6.323	1150.935 #
42) Toxaphene...	3.810	0.000	403478	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 11:40
Operator : MJB
Sample : 0A09021-CCV1
Misc : A19K133, 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: Jan 09 17:54:28 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 11:57
 Operator : MJB
 Sample : 0A09021-CCV2
 Misc : A19J408, 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: Jan 09 17:54:34 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

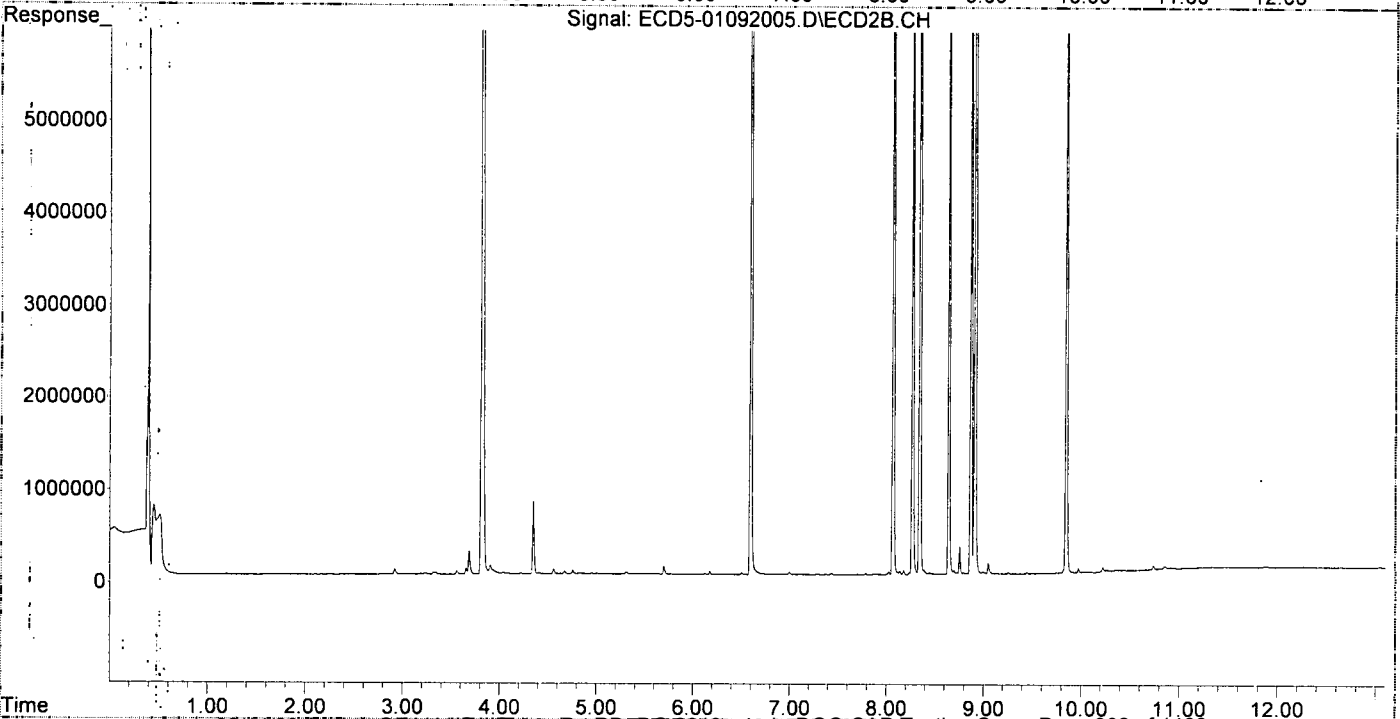
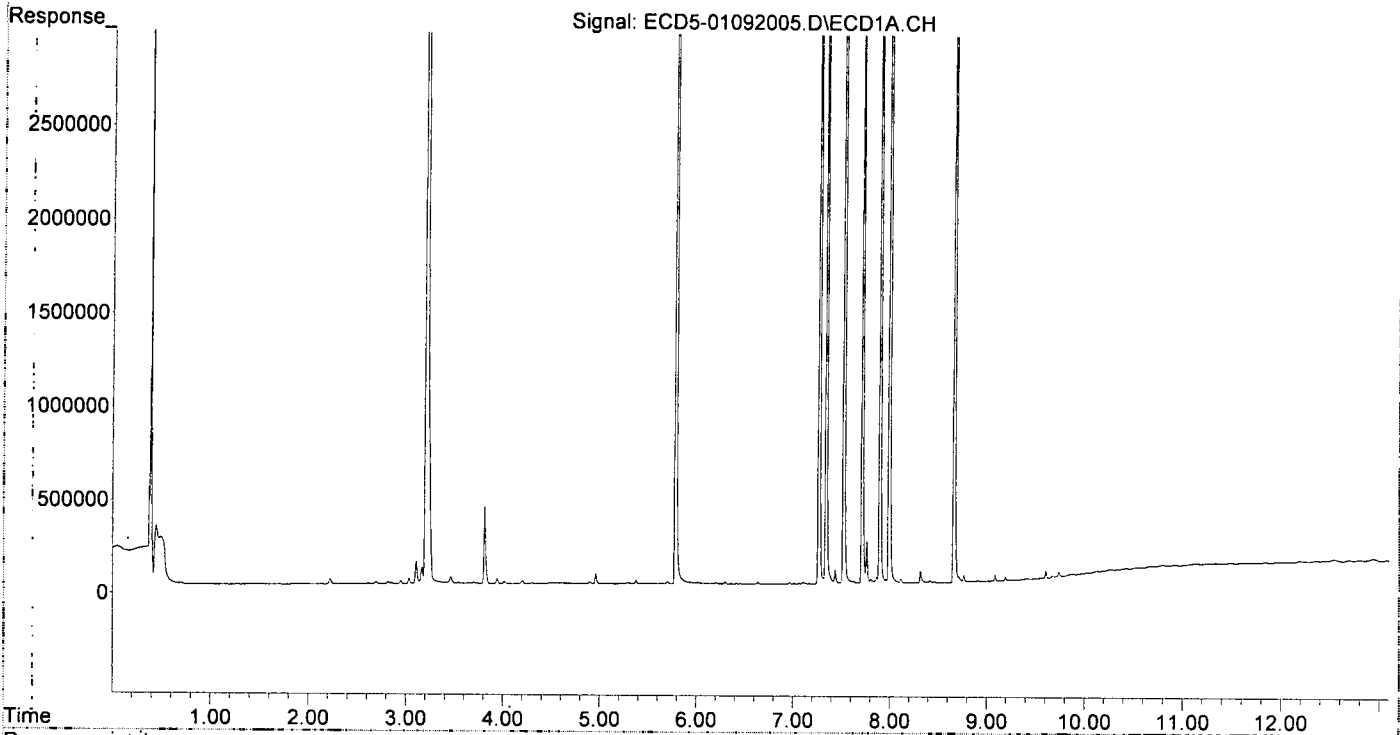
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.376f	6.124	19486	9392	0.100	0.032 #
22) S DCBP (S)	9.607	10.738	39256	38504	0.107	0.216 #
Target Compounds						
2) a-BHC	5.944	0.000	7298	0	0.028	N.D. #
3) g-BHC	6.201f	0.000	6989	0	0.030	N.D. #
4) b-BHC	6.297	0.000	12829	0	5931.871	N.D. #
5) Heptachlor	6.638	7.433	11178	16494	0.049	0.047
6) d-BHC	6.453	7.373	3329	6722	0.015	0.078 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.342	8.139	6688325	39426	32.443	0.128 #
9) trans-Chl...	7.435	8.269	73924	10656856	0.351	34.175 #
10) cis-Chlor...	7.524	8.386	9715886	44222	47.481	0.149 #
11) Endosulfa...	0.000	8.445	0	12247	N.D.	0.044 #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.805	8.643	24205	9244893	0.112	29.926 #
14) Endrin	7.958	8.870	21331	10596656	0.123	45.099 #
15) 4,4'-DDD	7.995	8.913	11231377	17678393	65.051	71.920
16) Endosulfa...	8.116	8.997f	20917	24591	0.123	0.101
17) 4,4'-DDT	8.213	0.000	4871	0	0.029	N.D. #
18) Endrin Al...	8.415	9.256	12912	16490	0.084	0.074
19) Endosulfa...	0.000	9.447	0	14207	N.D.	0.064 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.910	9.849	5357	9375400	0.028	37.437 #
23) Hexachlor...	3.206	3.815	9086153	19514074	45.557	48.697
24) Hexachlor...	5.785	6.596	9298380	15771745	48.090	49.271
25) Oxychlordane	7.269	8.069	8693089	13885280	49.371	49.645
26) 2,4'-DDE	7.342	8.269	6688325	10656856	46.906	50.605
27) trans-Non...	7.524	8.344	9715886	15702610	48.645	51.067
28) 2,4'-DDD	7.715	8.643	5819480	9244893	45.738	50.124
29) 2,4'-DDT	7.898	8.870	7035664	10596656	48.033	52.404
30) cis-Nonac...	7.995	8.913	11231377	17678393	47.652	51.822
31) Mirex	8.663	9.849	6459707	9375400	47.990	51.189
32) Chlordane...	7.435	8.269	73924	10656856	3.151	273.977 #
33) Chlordane...	7.524	8.386	9715886	44222	337.114	1.378 #
34) Chlordane...	8.116f	9.051	20917	109108	2.750	10.276 #
35) Chlordane...	3.810	3.815	409472	19514074	NoCal	NoCal
36) Toxaphene...	7.524	8.643f	9715886	9244893	9224.919	3418.581 #
37) Toxaphene...	7.805	8.997f	24205	24591	12.447	7.061 #
38) Toxaphene...	8.116	8.997	20917	24591	0.845	0.845
39) Toxaphene...	0.000	9.051f	0	109108	N.D.	12.089 #
40) Toxaphene...	0.000	9.256	0	16490	N.D.	3.284 #
41) Toxaphene...	8.663	0.000	6459707	0	1487.603	N.D. #
42) Toxaphene...	3.810	3.815	409472	19514074	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 11:57
Operator : MJB
Sample : 0A09021-CCV2
Misc : A19J408, 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: Jan 09 17:54:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 12:14
 Operator : MJB
 Sample : 0A09021-CCB1
 Misc : A19L339
 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: Jan 09 17:54:40 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

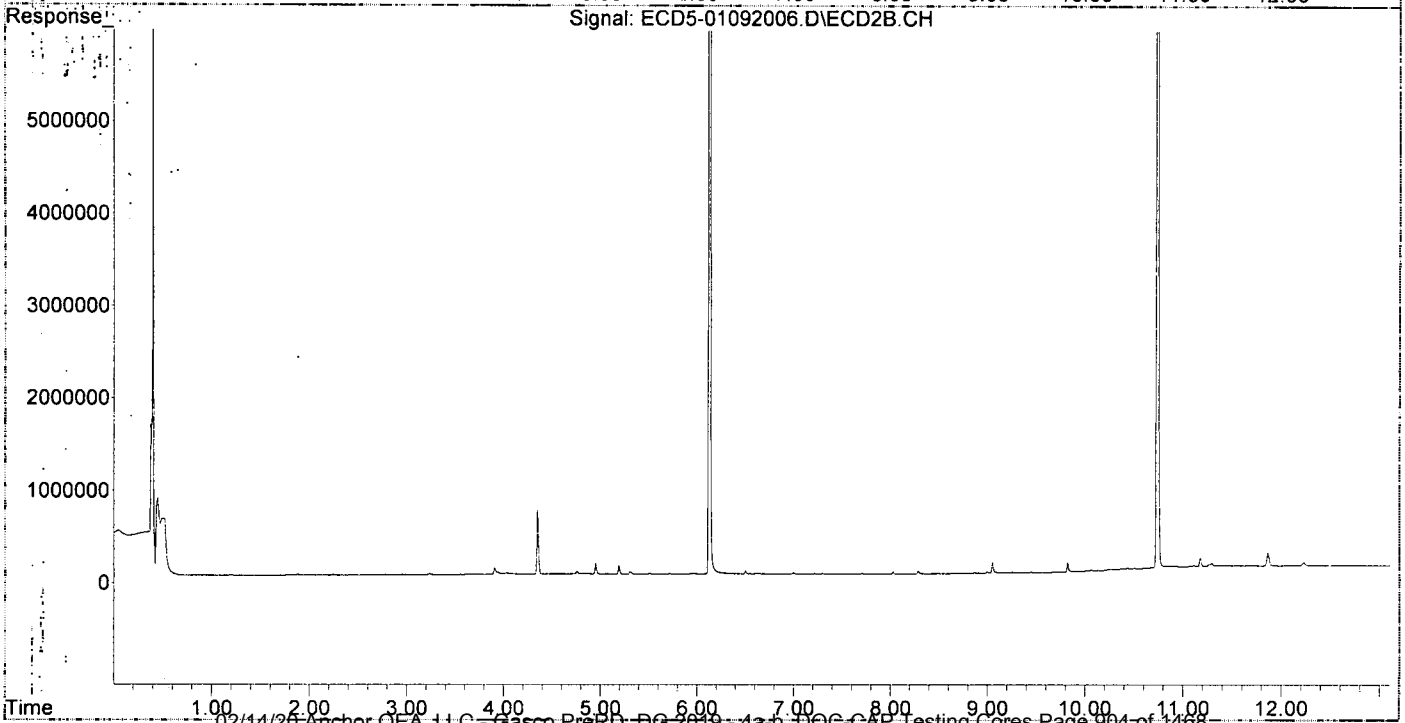
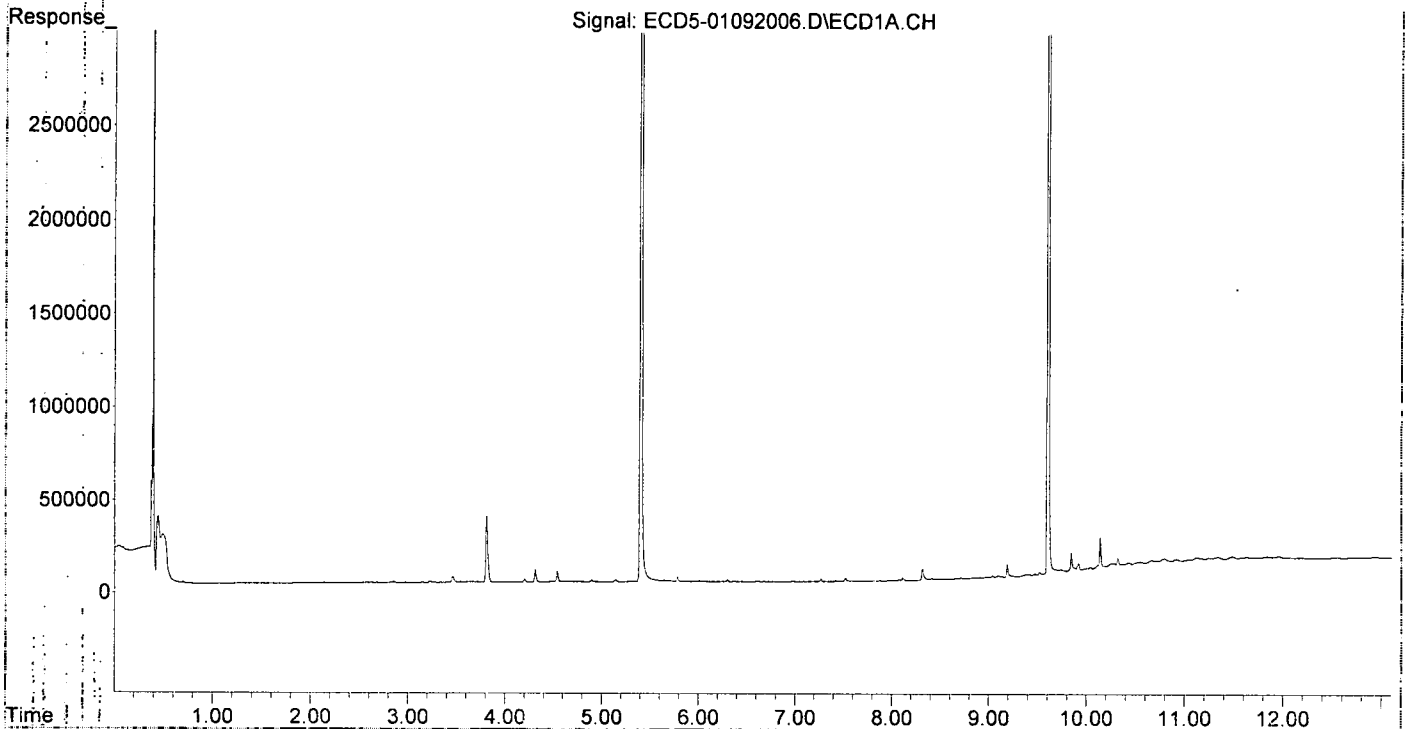
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.404	6.127	17262445	30073202	88.407	100.888
22) S DCBP (S)	9.607	10.737	13751122	17125564	92.821	96.240
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.301	0.000	10136	0	5931.899	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	7.704	0	9247	N.D.	0.028 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.422	8.288	5091	27464	0.024	0.088 #
10) cis-Chlor...	7.522	0.000	17044	0	0.083	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	8.869	0	4894	N.D.	0.021 #
15) 4,4'-DDD	0.000	8.869f	0	4894	N.D.	0.020 #
16) Endosulfa...	8.115	8.997f	13544	17854	0.079	0.073
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.414	9.256	6025	6691	0.039	0.030
19) Endosulfa...	8.716	9.447	5239	6123	0.033	0.028
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.910	9.820f	2943	100067	0.015	0.400 #
23) Hexachlor...	3.224	0.000	6762	0	0.034	N.D. #
24) Hexachlor...	5.785	6.610	24642	9100	BelowCal	0.028
25) Oxychlorane	7.268	0.000	13504	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.288	0	27464	N.D.	0.130 #
27) trans-Non...	7.522	0.000	17044	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.869	0	4894	N.D.	BelowCal
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	8.662	9.820f	2795	100067	6723.027	0.310 #
32) Chlordane...	7.422	8.288	5091	27464	0.217	0.706 #
33) Chlordane...	7.522	0.000	17044	0	0.591	N.D. #
34) Chlordane...	8.075	9.051	6280	110018	0.825	10.362 #
35) Chlordane...	3.810	0.000	354654	0	NoCal	N.D.
36) Toxaphene...	7.522	0.000	17044	0	16.182	N.D. #
37) Toxaphene...	0.000	8.997f	0	17854	N.D.	5.127 #
38) Toxaphene...	8.115	8.997	13544	17854	BelowCal	BelowCal
39) Toxaphene...	0.000	9.051f	0	110018	N.D.	12.189 #
40) Toxaphene...	0.000	9.256	0	6691	N.D.	1.332 #
41) Toxaphene...	8.662	0.000	2795	0	0.644	N.D. #
42) Toxaphene...	3.810	0.000	354654	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 12:14
Operator : MJB
Sample : 0A09021-CCB1
Misc : A19L339
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: Jan 09 17:54:40 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 12:31
 Operator : MJB
 Sample : 9121450-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: Jan 09 18:03:26 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

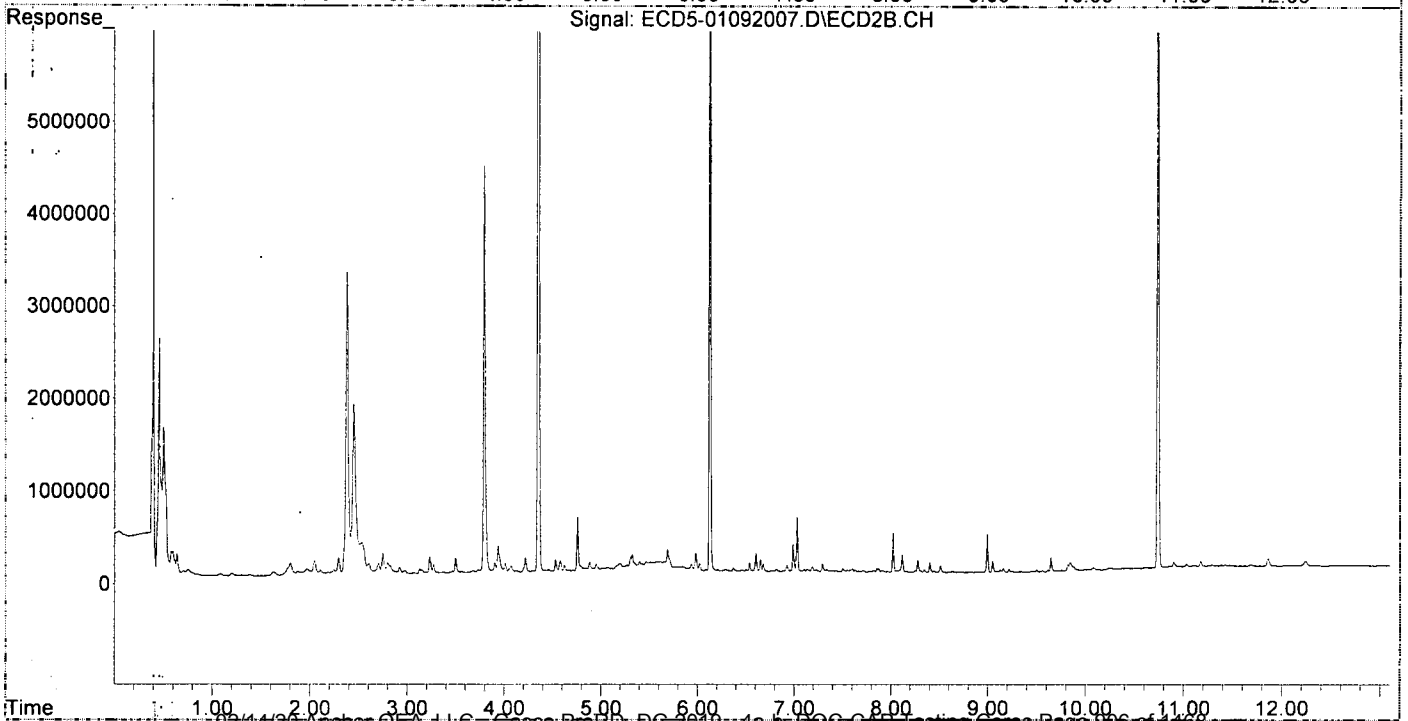
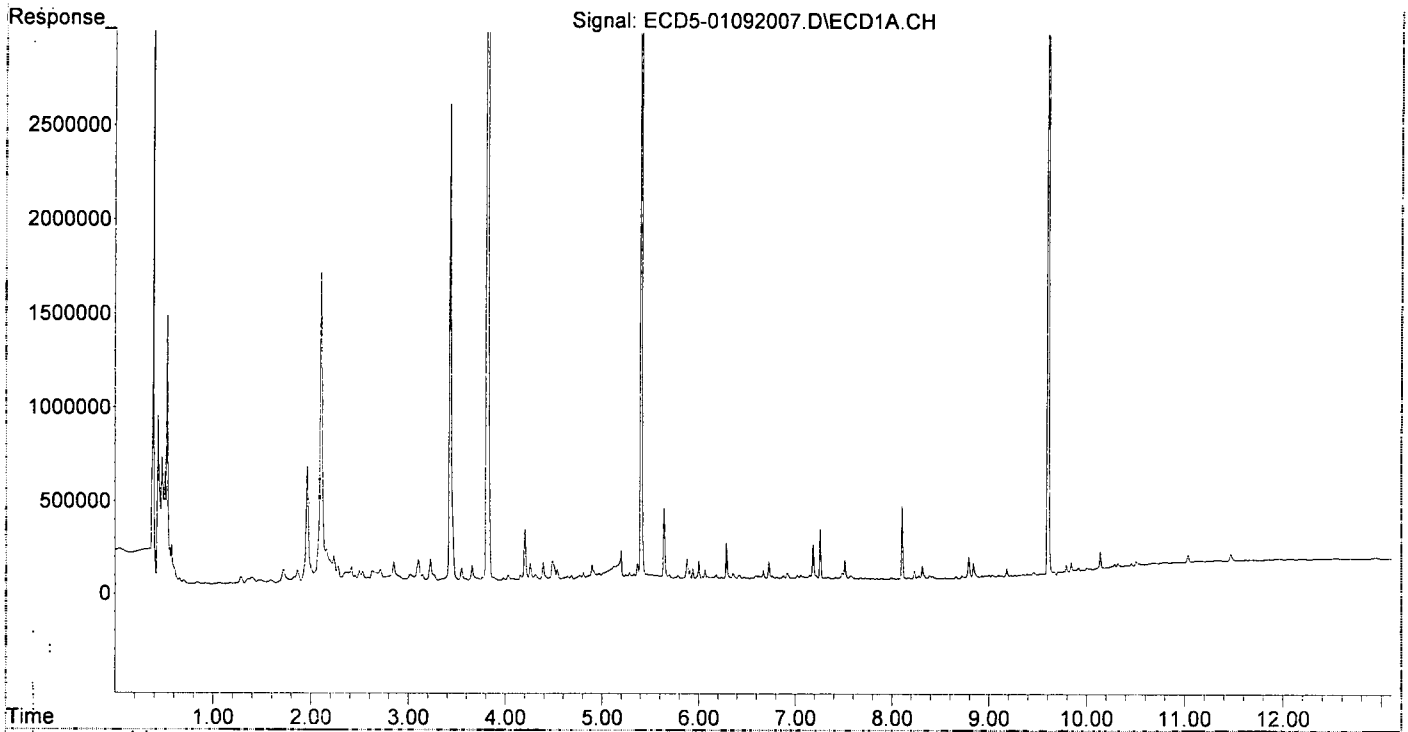
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.126	5998170	10026530	30.719	33.637
2) S DCBP (S)	9.604	10.737	6785734	8017506	45.457	45.056
Target Compounds						
2) a-BHC	5.939	0.000	65067	0	0.247	N.D. #
3) g-BHC	6.232	7.029f	19029	587805	0.081	1.610 #
4) b-BHC	6.286	7.102	202267	23934	1.896	0.149 #
5) Heptachlor	6.618	7.438	21820	13168	0.096	0.037 #
6) d-BHC	6.473f	7.369	19376	16250	0.089	0.106
7) Aldrin	6.879	7.708	22484	13352	0.102	0.040 #
8) Heptachlo...	7.338	8.160f	15705	14572	0.076	0.047
9) trans-Chl...	7.414f	8.277	13277	129946	0.063	0.417 #
10) cis-Chlor...	7.512	8.401	103023	103020	0.503	0.347
11) Endosulfa...	0.000	8.446	0	16943	N.D.	0.061 #
12) 4,4'-DDE	7.572f	8.500	20382	24174	0.099	0.116m
13) Dieldrin	7.796	8.631	6207	9721	0.029	0.031
14) Endrin	7.989f	0.000	7054	0	0.041	N.D. #
15) 4,4'-DDD	7.989f	0.000	7054	0	0.041	N.D. #
16) Endosulfa...	8.103	8.993f	385754	409569	2.261	1.677
17) 4,4'-DDT	8.230	9.125	44005	24465	0.266	0.144 #
18) Endrin Al...	8.417	9.216f	17704	35495	0.116	0.159
19) Endosulfa...	8.720	9.449	15601	10196	0.097	0.046 #
20) Methoxychlor	8.547	9.617	5524	20132	0.064	0.169 #
21) Endrin Ke...	8.925	9.843	11079	84755	0.058	0.338 #
23) Hexachlor...	3.224	3.790f	127437	4397148	0.639	10.973 #
24) Hexachlor...	5.784	6.604	29869	197030	BelowCal	0.616
25) Oxychlorthane	7.257	8.059	268295	17912	1.335	0.064 #
26) 2,4'-DDE	7.338	8.277	15705	129946	0.110	0.617 #
27) trans-Non...	7.512	8.343	103023	25830	0.363	0.084 #
28) 2,4'-DDD	7.722	8.631	10090	9721	0.079	0.053
29) 2,4'-DDT	7.891	0.000	4690	0	0.032	N.D. #
30) cis-Nonac...	7.989	0.000	7054	0	0.030	N.D. #
31) Mirex	8.658	9.843	10841	84755	6722.967	0.221 #
32) Chlordane...	7.414f	8.277	13277	129946	0.566	3.341 #
33) Chlordane...	7.512	8.401	103023	103020	3.575	3.210
34) Chlordane...	8.103f	9.048	385754	116513	50.706	10.973 #
35) Chlordane...	3.809	3.790	8528792	4397148	NoCal	NoCal
36) Toxaphene...	7.512	8.631	103023	9721	97.817	3.595 #
37) Toxaphene...	7.796	8.993f	6207	409569	3.192	117.606 #
38) Toxaphene...	8.103	8.993	385754	409569	88.052	75.623
39) Toxaphene...	8.391f	9.048f	19532	116513	4.835	12.909 #
40) Toxaphene...	8.583	9.216f	3218	35495	0.979	7.068 #
41) Toxaphene...	8.658	9.645	10841	148886	2.496	26.520 #
42) Toxaphene...	3.809	3.790	8528792	4397148	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 12:31
Operator : MJB
Sample : 9121450-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

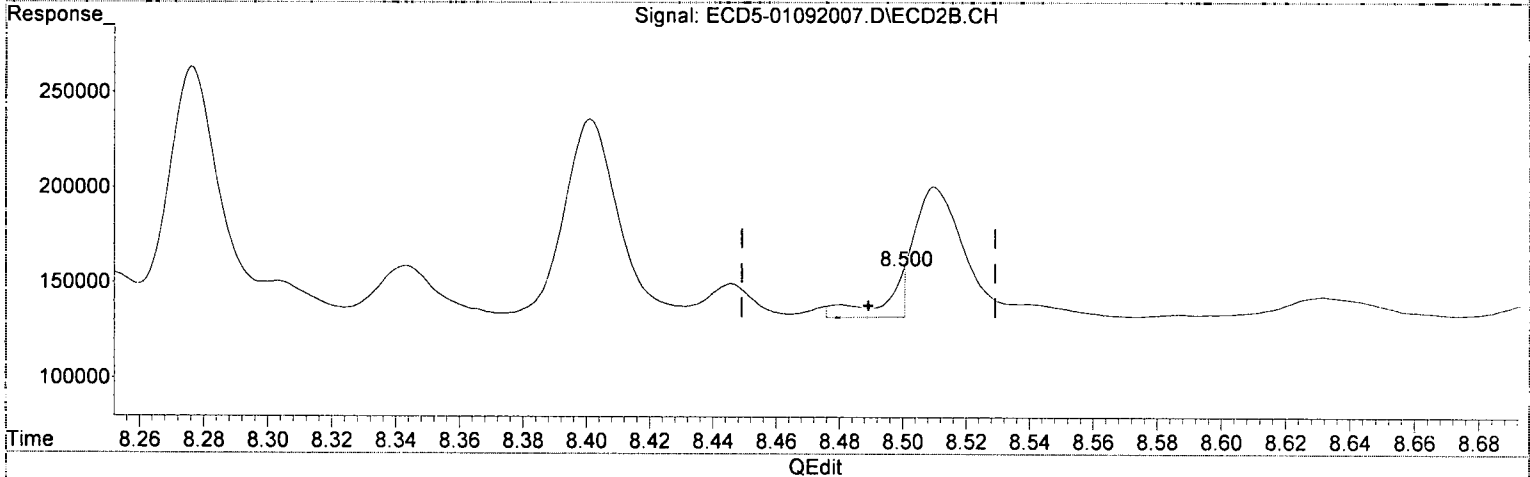
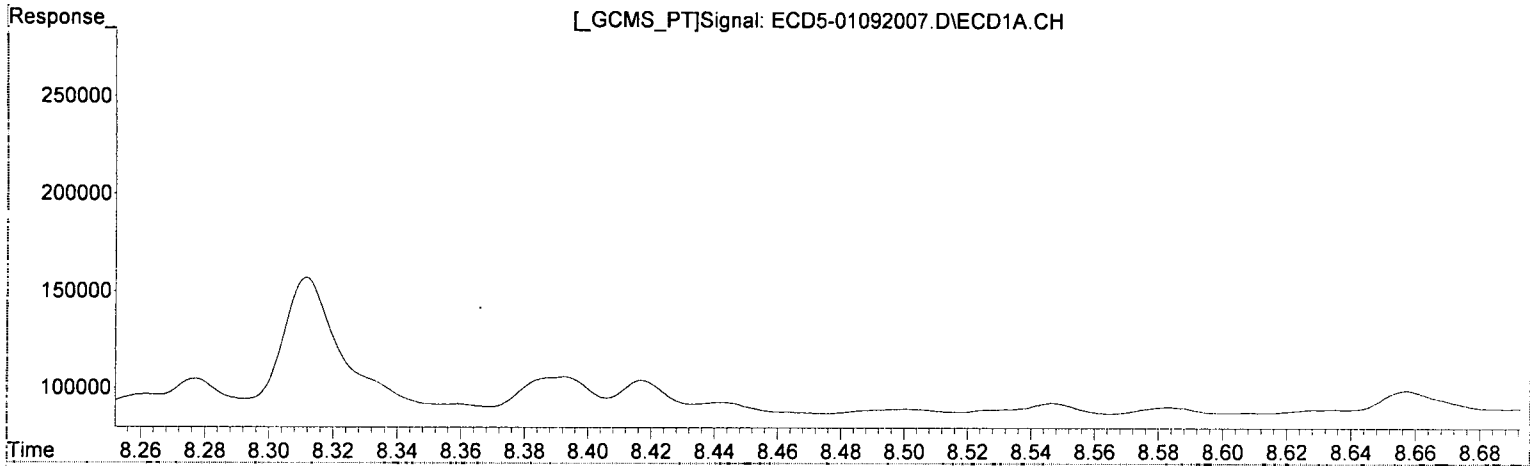
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 18:03:26 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 12:31
Operator : MJB
Sample : 9121450-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: Jan 09 17:54:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.572min 0.099 ng/mL
response 20382

MJB 11/9/20

(12) 4,4'-DDE #2
8.500min 0.116 ng/mL(m)
response 24174

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 12:31
 Operator : MJB
 Sample : 9121450-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: Jan 09 17:54:46 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 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)	5.403	6.126	5998170	10026530	30.719	33.637
22) S DCBP (S)	9.604	10.737	6785734	8017506	45.457	45.056
Target Compounds						
2) a-BHC	5.939	0.000	65067	0	0.247	N.D. #
3) g-BHC	6.232	7.029f	19029	587805	0.081	1.610 #
4) b-BHC	6.286	7.102	202267	23934	1.896	0.149 #
5) Heptachlor	6.618	7.438	21820	18168	0.096	0.037 #
6) d-BHC	6.473f	7.369	19376	16250	0.089	0.106 #
7) Aldrin	6.879	7.708	22484	13352	0.102	0.040 #
8) Heptachlo...	7.338	8.160f	15705	14572	0.076	0.047 #
9) trans-Chl...	7.414f	8.277	13277	129946	0.063	0.417 #
10) cis-Chlor...	7.512	8.401	103023	103020	0.503	0.347 #
11) Endosulfa...	0.000	8.446	0	16943	N.D.	0.061 #
12) 4,4'-DDE	7.572f	8.510f	20382	68022	0.099	0.267 #
13) Dieldrin	7.796	8.631	6207	9721	0.029	0.031 #
14) Endrin	7.989f	0.000	7054	0	0.041	N.D. #
15) 4,4'-DDD	7.989f	0.000	7054	0	0.041	N.D. #
16) Endosulfa...	8.103	8.993f	385754	409569	2.261	1.677 #
17) 4,4'-DDT	8.230	9.125	44005	24465	0.266	0.144 #
18) Endrin Al...	8.417	9.216f	17704	35495	0.116	0.159 #
19) Endosulfa...	8.720	9.449	15601	10196	0.097	0.046 #
20) Methoxychlor	8.547	9.617	5524	20132	0.064	0.169 #
21) Endrin Ke...	8.925	9.843	11079	84755	0.058	0.338 #
23) Hexachlor...	3.224	3.790f	127437	4397148	0.639	10.973 #
24) Hexachlor...	5.784	6.604	29869	197030	BelowCal	0.616 #
25) Oxychlordane	7.257	8.059	268295	17912	1.335	0.064 #
26) 2,4'-DDE	7.338	8.277	15705	129946	0.110	0.617 #
27) trans-Non...	7.512	8.343	103023	25830	0.363	0.084 #
28) 2,4'-DDD	7.722	8.631	10090	9721	0.079	0.053 #
29) 2,4'-DDT	7.891	0.000	4690	0	0.032	N.D. #
30) cis-Nonac...	7.989	0.000	7054	0	0.030	N.D. #
31) Mirex	8.658	9.843	10841	84755	6722.967	0.221 #
32) Chlordane...	7.414f	8.277	13277	129946	0.566	3.341 #
33) Chlordane...	7.512	8.401	103023	103020	3.575	3.210 #
34) Chlordane...	8.103f	9.048	385754	116513	50.706	10.973 #
35) Chlordane...	3.809	3.790	8528792	4397148	NoCal	NoCal #
36) Toxaphene...	7.512	8.631	103023	9721	97.817	3.595 #
37) Toxaphene...	7.796	8.993f	6207	409569	3.192	117.606 #
38) Toxaphene...	8.103	8.993	385754	409569	88.052	75.623 #
39) Toxaphene...	8.391f	9.048f	19532	116513	4.835	12.909 #
40) Toxaphene...	8.583	9.216f	3218	35495	0.979	7.068 #
41) Toxaphene...	8.658	9.645	10841	148886	2.496	26.520 #
42) Toxaphene...	3.809	3.790	8528792	4397148	NoCal	NoCal #

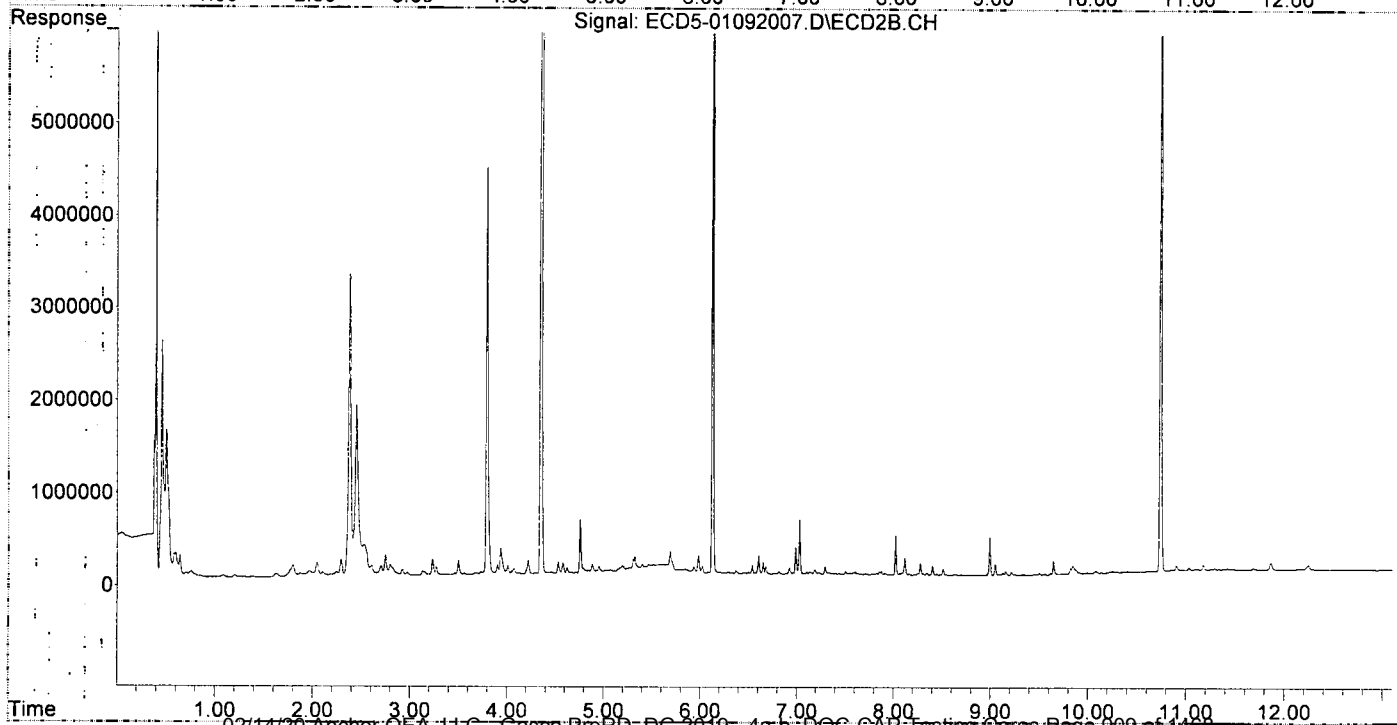
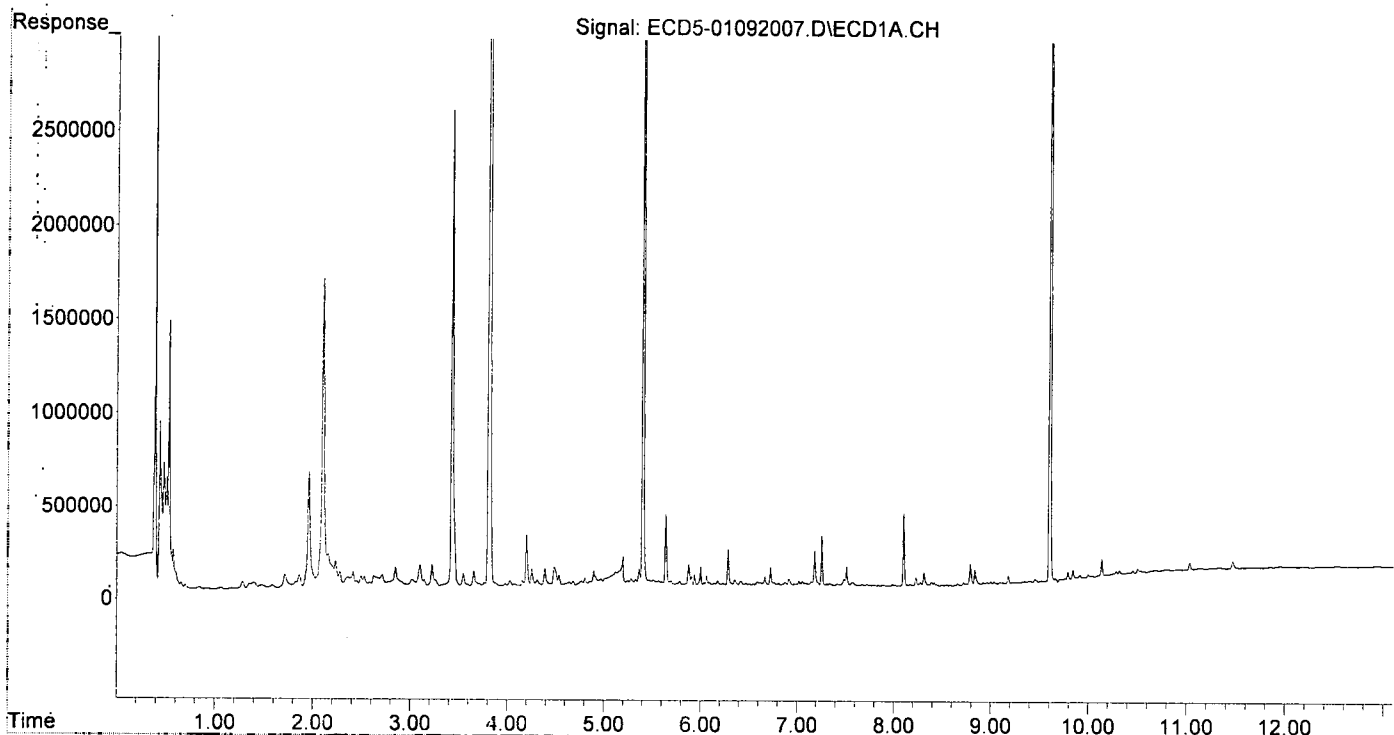
MJB
1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 12:31
Operator : MJB
Sample : 9121450-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: Jan 09 17:54:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 12:48
 Operator : MJB
 Sample : 9121450-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: Jan 09 17:54:52 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

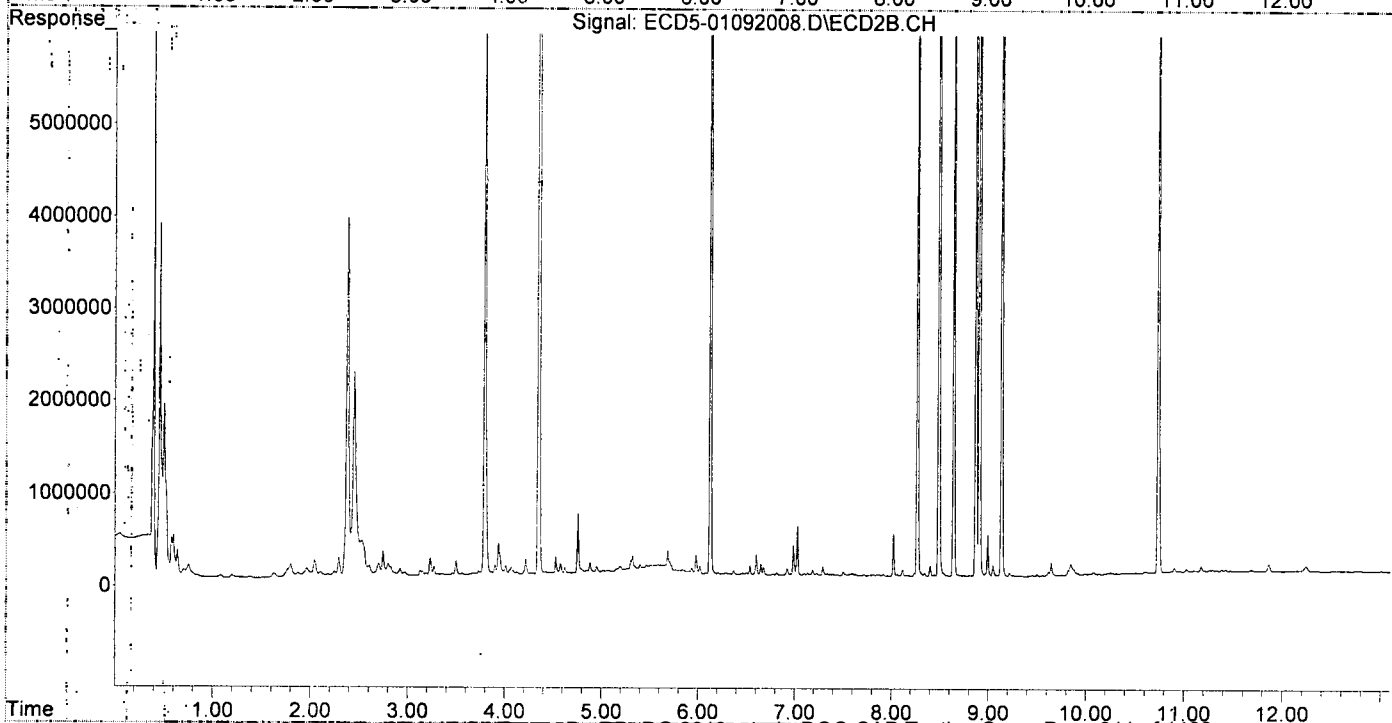
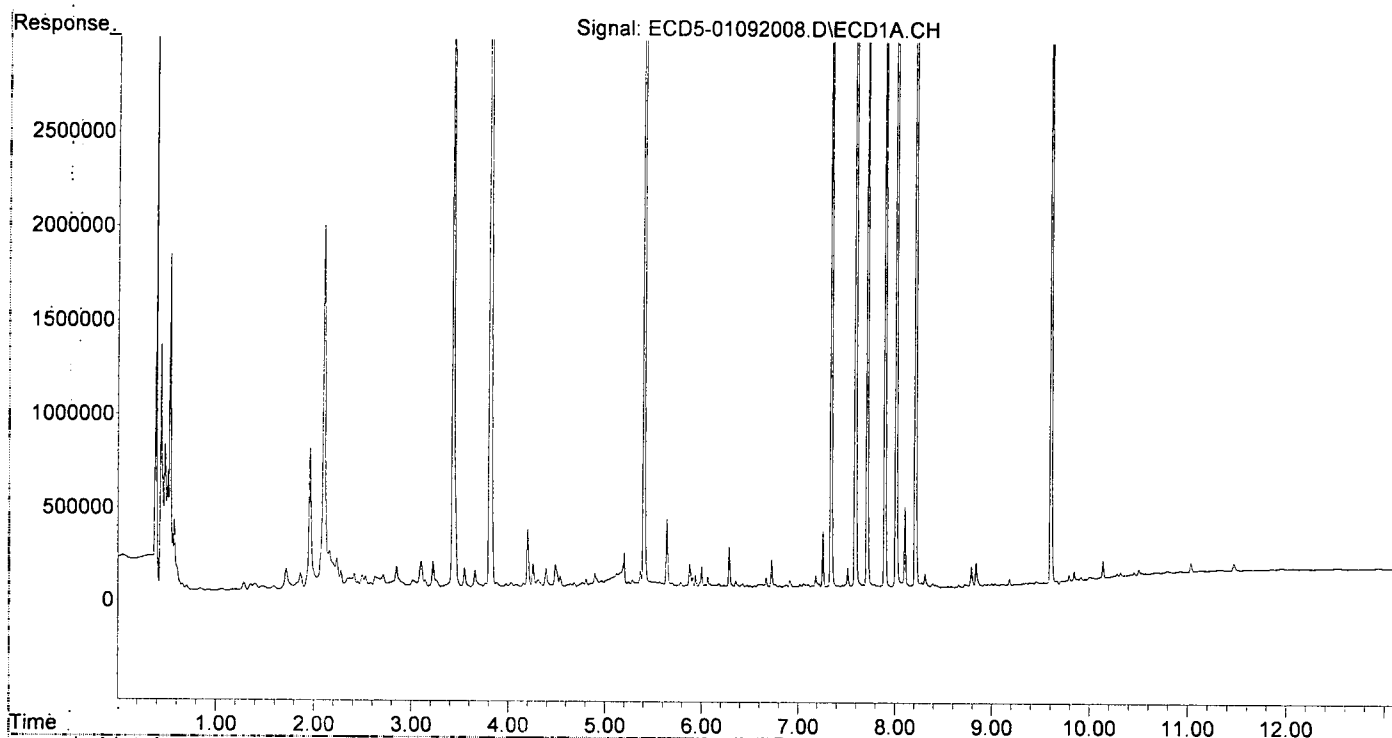
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.125	6875761	11540023	35.213	38.714
22) S DCBP (S)	9.604	10.737	7076092	8127756	47.420	45.675
Target Compounds						
2) a-BHC	5.938	0.000	109903	0	0.418	N.D. #
3) g-BHC	6.231	7.028f	58244	541445	0.249	1.483 #
4) b-BHC	6.285	7.101	260700	36878	2.493	0.229 #
5) Heptachlor	6.619	7.438	62642	20721	0.276	0.058 #
6) d-BHC	6.473f	7.370	57509	24313	0.264	0.130 #
7) Aldrin	6.878	7.708	63534	16565	0.288	0.050 #
8) Heptachlo...	7.339	8.159	6201368	14258	30.081	0.046 #
9) trans-Chl...	7.413f	8.267	61544	9804996	0.292	31.443 #
10) cis-Chlor...	7.512f	8.400	155319	112527	0.759	0.379 #
11) Endosulfa...	7.590f	8.445	9909242	16169	51.130	0.058 #
12) 4,4'-DDE	7.590	8.488	9909242	15856063	48.060	51.286 #
13) Dieldrin	7.786	8.641	70064	9110039	0.325	29.489 #
14) Endrin	0.000	8.868	0	10966411	N.D.	46.672 #
15) 4,4'-DDD	8.011	8.906	8910935	13658817	51.612	55.567 #
16) Endosulfa...	8.103f	8.992f	483341	445224	2.833	1.822 #
17) 4,4'-DDT	8.210	9.134	9034884	13978047	54.538	58.988 #
18) Endrin Al...	8.417	9.257	71467	11102	0.467	0.050 #
19) Endosulfa...	8.719	9.448	75977	12037	0.475	0.054 #
20) Methoxychlor	8.547	9.617	63453	44167	0.733	0.371 #
21) Endrin Ke...	8.924	9.844	76720	120751	0.402	0.482 #
23) Hexachlor...	3.223	3.790f	168851	6915970	0.847	17.259 #
24) Hexachlor...	5.783	6.604	69167	232577	0.203	0.727 #
25) Oxychlorane	7.255	8.058	350690	22157	1.808	0.079 #
26) 2,4'-DDE	7.339	8.267	6201368	9804996	43.490	46.559 #
27) trans-Non...	7.512	8.341	155319	30558	0.627	0.099 #
28) 2,4'-DDD	7.711	8.641	5795481	9110039	45.550	49.393 #
29) 2,4'-DDT	7.895	8.868	7154493	10966411	48.844	54.082 #
30) cis-Nonac...	8.011	8.906	8910935	13658817	37.807	40.039 #
31) Mirex	8.656	9.844	72409	120751	0.290	0.430 #
32) Chlordane...	7.459f	8.267	62100	9804996	2.647	252.076 #
33) Chlordane...	7.512	8.400	155319	112527	5.389	3.506 #
34) Chlordane...	8.076	9.047	83994	116132	11.041	10.938 #
35) Chlordane...	3.809	3.790	9728439	6915970	NoCal	NoCal #
36) Toxaphene...	7.512	8.641f	155319	9110039	147.470	3368.714 #
37) Toxaphene...	7.786	8.992f	70064	445224	36.029	127.844 #
38) Toxaphene...	8.103	8.992	483341	445224	111.344	82.501 #
39) Toxaphene...	8.391f	9.047f	77117	116132	19.088	12.867 #
40) Toxaphene...	8.580	9.257	63183	11102	19.218	2.211 #
41) Toxaphene...	8.656	9.644	72409	143734	16.675	25.602 #
42) Toxaphene...	3.809	3.790	9728439	6915970	NoCal	NoCal #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 12:48
Operator : MJB
Sample : 9121450-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: Jan 09 17:54:52 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path: R:\data\2020-01\0A09021\
 Data File: ECD5-01092009.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 09 Jan 2020 13:06
 Operator: MJB
 Sample: A9J0861-03RE1
 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: Jan 09 18:06:58 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

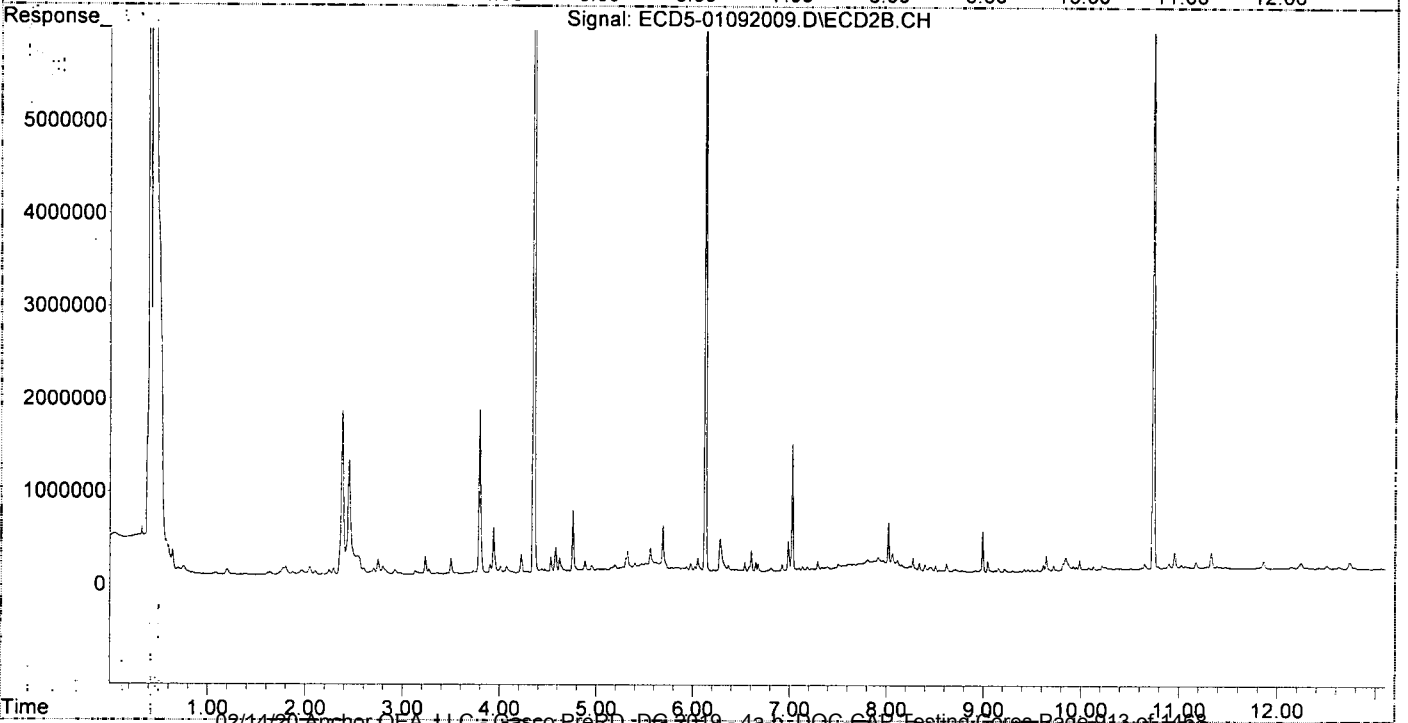
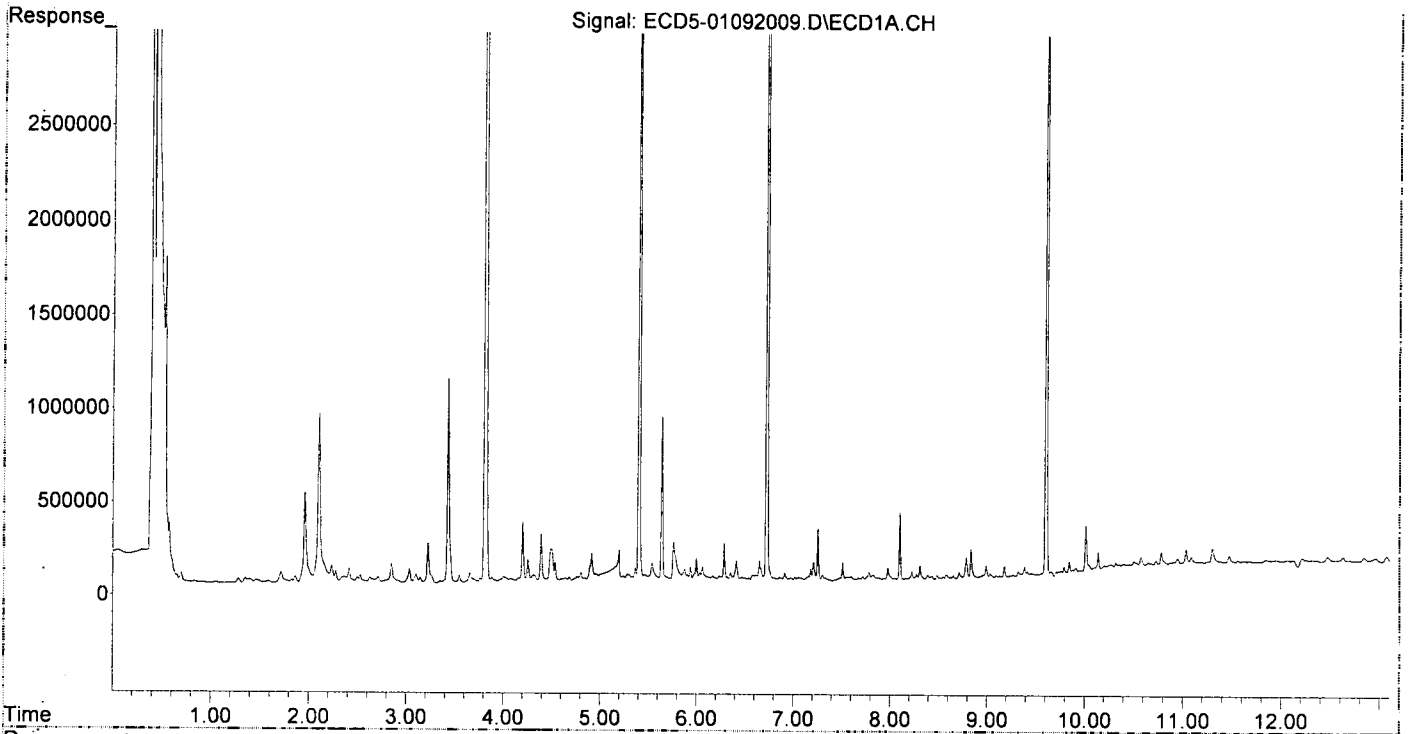
Compound		RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.402	6.125	6169948	10651707	31.598	35.734
22)	S DCBP (S)	9.603	10.736	6751015	7890081	45.222	44.339
Target Compounds							
2)	a-BHC	5.936	0.000	98609	0	0.375	N.D. #
3)	g-BHC	6.232	7.028f	52652	1392317	0.225	3.814 #
4)	b-BHC	6.285	7.100	226911	55010	2.148	0.342 #
5)	Heptachlor	6.650	7.439	132703	48631	0.584	0.137 #
6)	d-BHC	6.471f	7.374	48238	57901	0.221	0.230
7)	Aldrin	6.875	7.706	46273	94604	0.210	0.284
8)	Heptachlo...	7.332	8.115f	46289	129264	0.225	0.420 #
9)	trans-Chl...	0.000	8.275	0	155273	N.D.	0.498 #
10)	cis-Chlor...	7.511f	8.399	127725	84402	0.624	0.285 #
11)	Endosulfa...	7.602f	8.447	54739	54406	0.282	0.196
12)	4,4'-DDE	7.602	8.499	54739	40506	0.265	0.172m
13)	Dieldrin	7.784	8.622f	77645	92223	0.361	0.299
14)	Endrin	7.979	8.905f	100660	12846	0.582	0.055 #
15)	4,4'-DDD	7.979f	8.905	100660	12846	0.583	0.052 #
16)	Endosulfa...	8.102f	8.992f	401583	437870	2.354	1.792
17)	4,4'-DDT	8.227	9.123	82030	14941	0.495	0.099 #
18)	Endrin Al...	8.431	9.216f	60058	34873	0.392	0.156 #
19)	Endosulfa...	8.714	9.459	81328	19503	0.508	0.088 #
20)	Methoxychlor	8.549	9.615	55106	65523	0.636	0.551
21)	Endrin Ke...	8.926	9.843	60191	135171	0.315	0.540 #
23)	Hexachlor...	3.223	3.790f	219987	1775785	1.103	4.431 #
24)	Hexachlor...	5.761f	6.603	230635	244576	1.042	0.764
25)	Oxychlorane	7.255	8.064	306451	201436	1.554	0.720 #
26)	2,4'-DDE	7.332	8.275	46289	155273	0.325	0.737 #
27)	trans-Non...	7.511	8.340	127725	99497	0.488	0.324
28)	2,4'-DDD	7.721	8.622f	55805	92223	0.439	0.500
29)	2,4'-DDT	7.882	8.879	49067	6738	0.335	BelowCal#
30)	cis-Nonac...	7.979	8.919	100660	18208	0.427	0.053 #
31)	Mirex	8.653	9.843	62939	135171	0.220	0.513 #
32)	Chlordane...	0.000	8.275	0	155273	N.D.	3.992 #
33)	Chlordane...	7.511	8.399	127725	84402	4.432	2.630 #
34)	Chlordane...	8.102f	9.046	401583	115188	52.787	10.849 #
35)	Chlordane...	3.809	3.790	9891938	1775785	NoCal	NoCal
36)	Toxaphene...	7.511	8.622	127725	92223	121.271	34.102 #
37)	Toxaphene...	7.784f	8.945f	77645	13709	39.927	3.936 #
38)	Toxaphene...	8.102	8.992	401583	437870	91.831	81.083
39)	Toxaphene...	8.393f	9.072	65954	15954	16.325	1.768 #
40)	Toxaphene...	8.582	9.216f	66305	34873	20.167	6.944 #
41)	Toxaphene...	8.653	9.644	62939	163509	14.494	29.124 #
42)	Toxaphene...	3.809	3.790	9891938	1775785	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 13:06
Operator : MJB
Sample : A9J0861-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

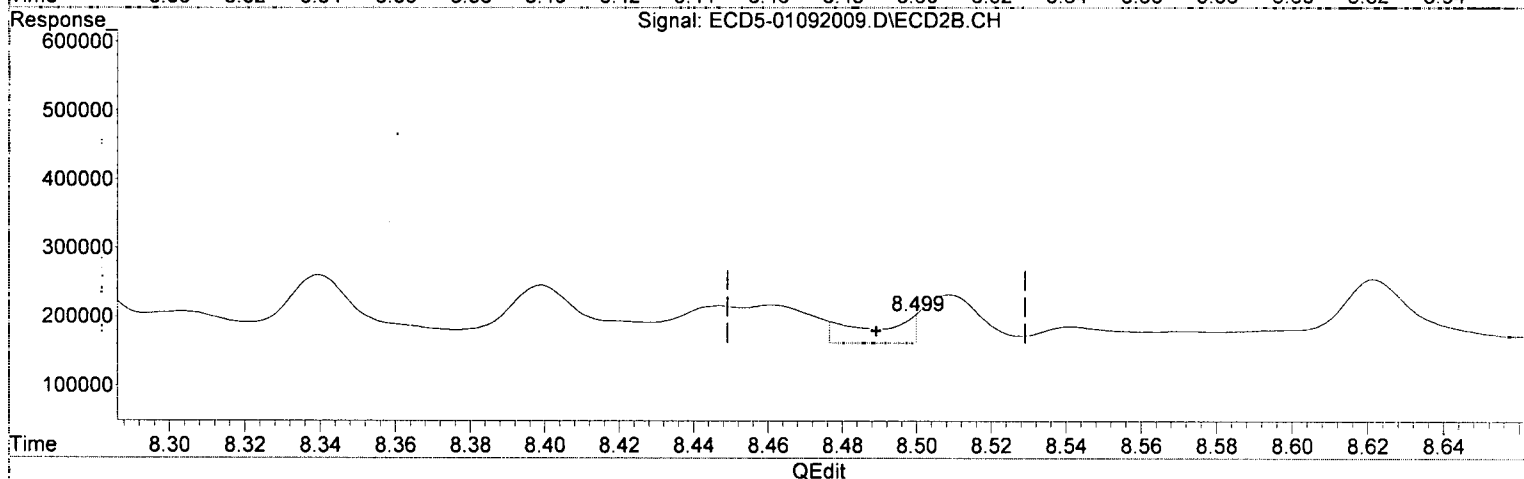
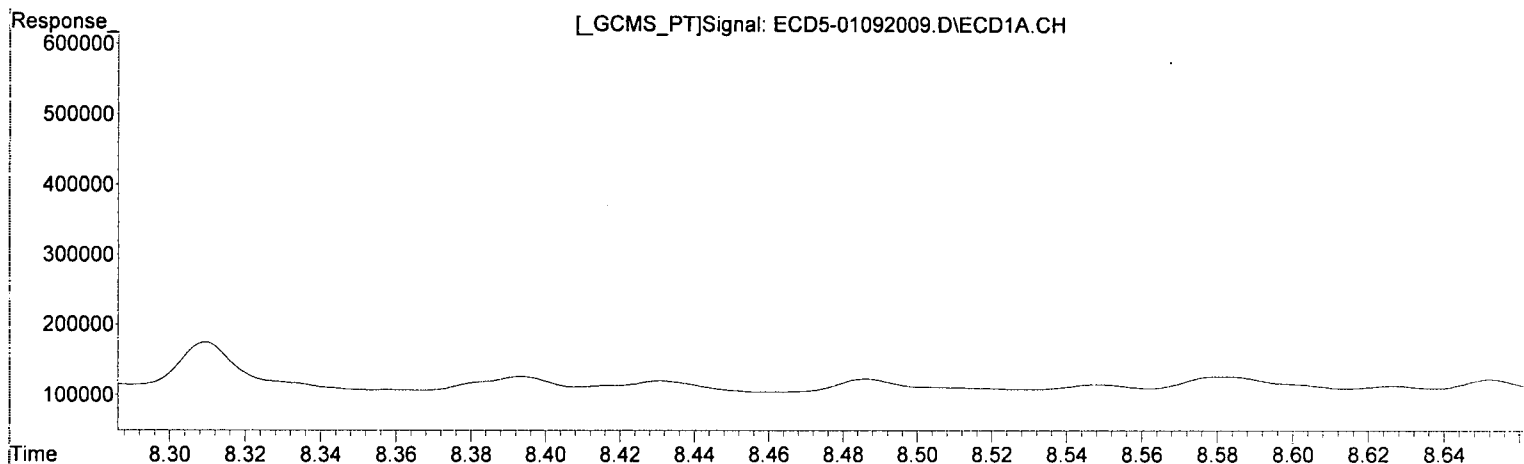
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 18:06:58 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 13:06
Operator : MJB
Sample : A9J0861-03RE1
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: Jan 09 17:54:58 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.602min 0.265 ng/mL
response 54739

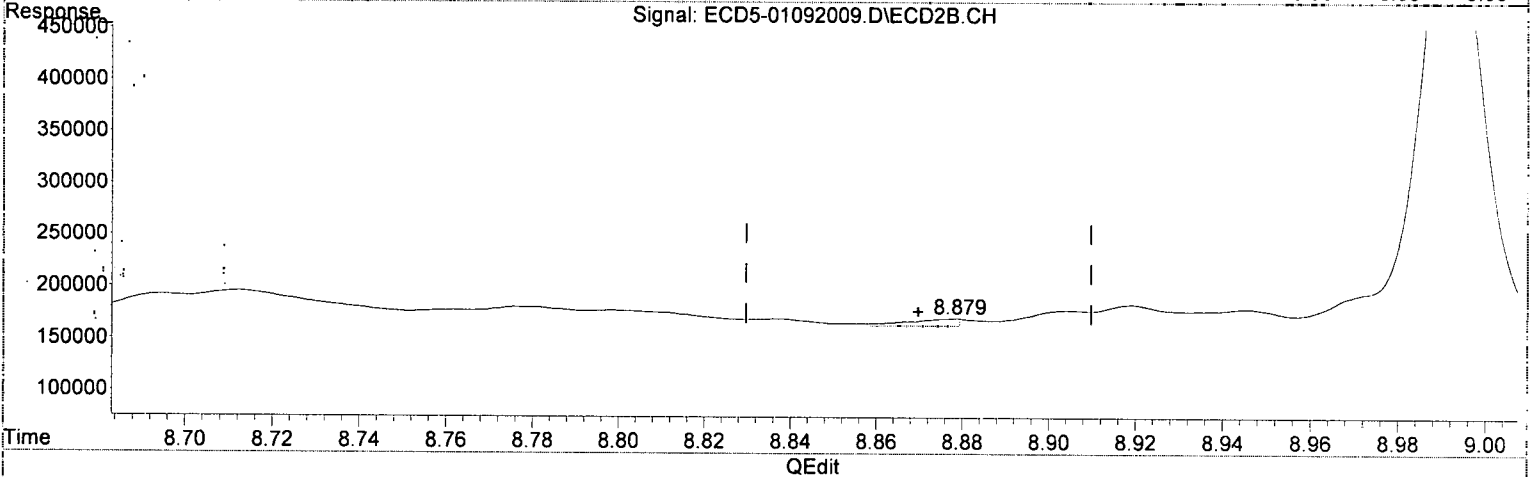
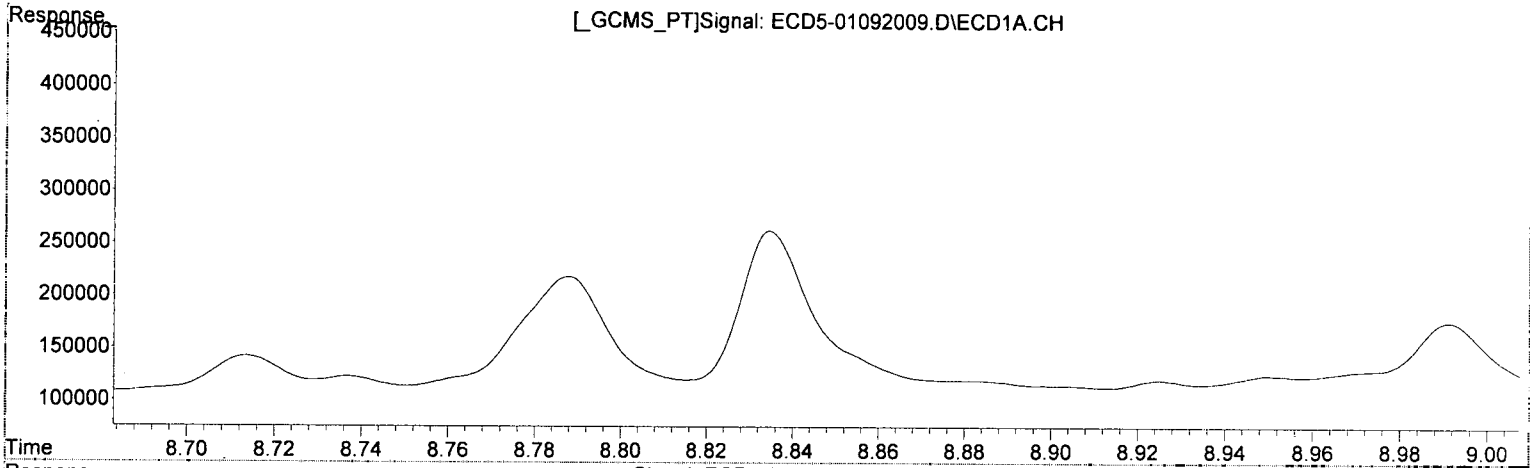
WP
1/9/20

(12) 4,4'-DDE #2
8.499min 0.172 ng/mL (m)
response 40506

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 13:06
Operator : MJB
Sample : A9J0861-03RE1
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: Jan 09 17:54:58 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.882min 0.335 ng/mL
response 49067

MJB
1/9/20

(29) 2,4'-DDT #2
8.879min -0.068 ng/mL(m)
response 6738

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 13:06
 Operator : MJB
 Sample : A9J0861-03RE1
 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: Jan 09 17:54:58 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

(Handwritten)
 MJB
 1/9/20

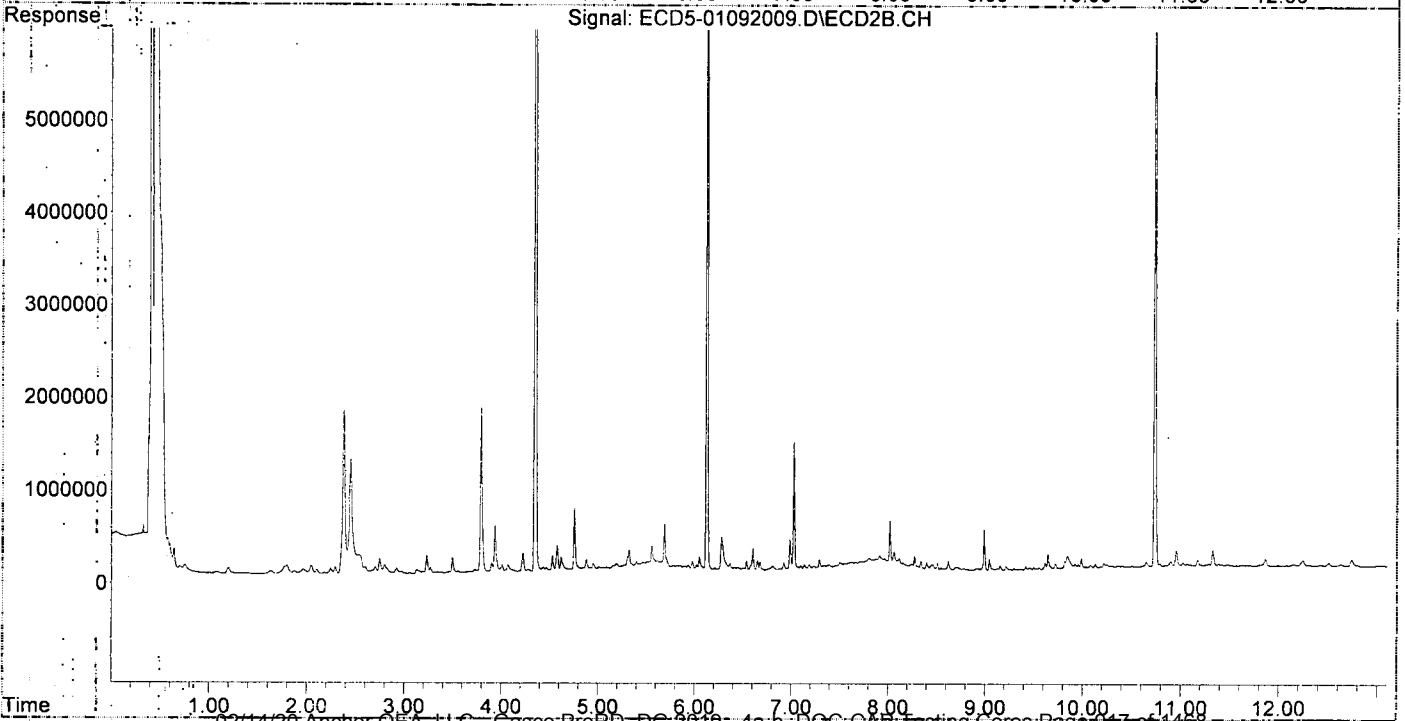
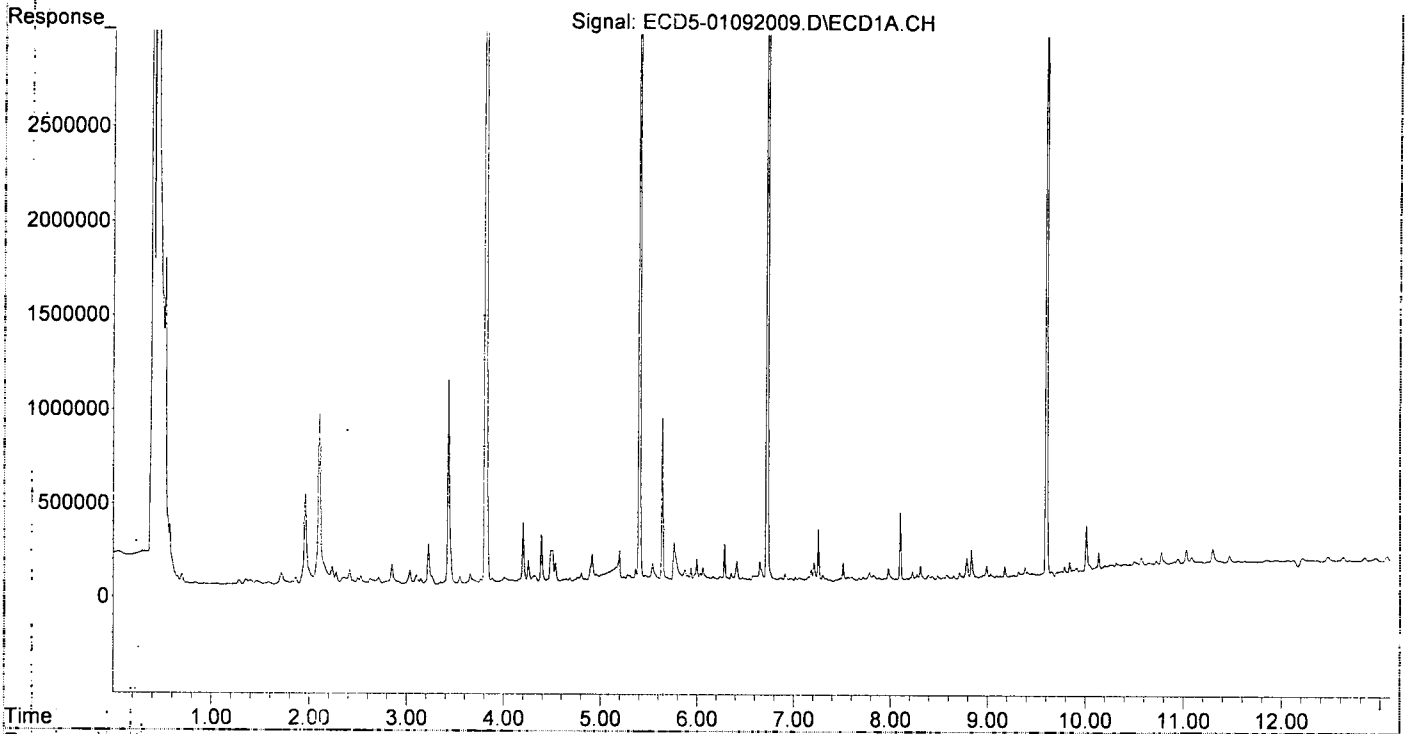
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.125	6169948	10651707	31.598	35.734
22) S DCBP (S)	9.603	10.736	6751015	7890081	45.222	44.339
Target Compounds						
2) a-BHC	5.936	0.000	98609	0	0.375	N.D. #
3) g-BHC	6.232	7.028f	52652	1392317	0.225	3.814 #
4) b-BHC	5.285	7.100	226911	55010	2.148	0.342 #
5) Heptachlor	6.650	7.439	132703	48631	0.584	0.137 #
6) d-BHC	6.471f	7.374	48238	57901	0.221	0.230
7) Aldrin	6.875	7.706	46273	94604	0.210	0.284
8) Heptachlo...	7.332	8.115f	46289	129264	0.225	0.420 #
9) trans-Chl...	0.000	8.275	0	155273	N.D.	0.498 #
10) cis-Chlor...	7.511f	8.399	127725	84402	0.624	0.285 #
11) Endosulfa...	7.602f	8.447	54739	54406	0.282	0.196
12) 4,4'-DDE	7.602	8.509	54739	70362	0.265	0.275
13) Dieldrin	7.784	8.622f	77645	92223	0.361	0.299
14) Endrin	7.979	8.905f	100660	12846	0.582	0.055 #
15) 4,4'-DDD	7.979f	8.905	100660	12846	0.583	0.052 #
16) Endosulfa...	8.102f	8.992f	401583	437870	2.354	1.792
17) 4,4'-DDT	8.227	9.123	82030	14941	0.495	0.099 #
18) Endrin Al...	8.431	9.216f	60058	34873	0.392	0.156 #
19) Endosulfa...	8.714	9.459	81328	19503	0.508	0.088 #
20) Methoxychlor	8.549	9.615	55106	65523	0.636	0.551
21) Endrin Ke...	8.926	9.843	60191	135171	0.315	0.540 #
23) Hexachlor...	3.223	3.790f	219987	1775785	1.103	4.431 #
24) Hexachlor...	5.761f	6.603	230635	244576	1.042	0.764
25) Oxychlorthane	7.255	8.064	306451	201436	1.554	0.720 #
26) 2,4'-DDE	7.332	8.275	46289	155273	0.325	0.737 #
27) trans-Non...	7.511	8.340	127725	99497	0.488	0.324
28) 2,4'-DDD	7.721	8.622f	55805	92223	0.439	0.500
29) 2,4'-DDT	7.882	8.905f	49067	12846	0.335	BelowCal #
30) cis-Nonac...	7.979	8.919	100660	18208	0.427	0.053 #
31) Mirex	8.653	9.843	62939	135171	0.220	0.513 #
32) Chlordane...	0.000	8.275	0	155273	N.D.	3.992 #
33) Chlordane...	7.511	8.399	127725	84402	4.432	2.630 #
34) Chlordane...	8.102f	9.046	401583	115188	52.787	10.849 #
35) Chlordane...	3.809	3.790	9891938	1775785	NoCal	NoCal
36) Toxaphene...	7.511	8.622	127725	92223	121.271	34.102 #
37) Toxaphene...	7.784f	8.945f	77645	13709	39.927	3.936 #
38) Toxaphene...	8.102	8.992	401583	437870	91.831	81.083
39) Toxaphene...	8.393f	9.072	65954	15954	16.325	1.768 #
40) Toxaphene...	8.582	9.216f	66305	34873	20.167	6.944 #
41) Toxaphene...	8.653	9.644	62939	163509	14.494	29.124 #
42) Toxaphene...	3.809	3.790	9891938	1775785	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 13:06
Operator : MJB
Sample : A9J0861-03RE1
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: Jan 09 17:54:58 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 17:47
 Operator : MJB
 Sample : 0A09021-CCV3
 Misc : A19K134, 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: Jan 09 18:02:06 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

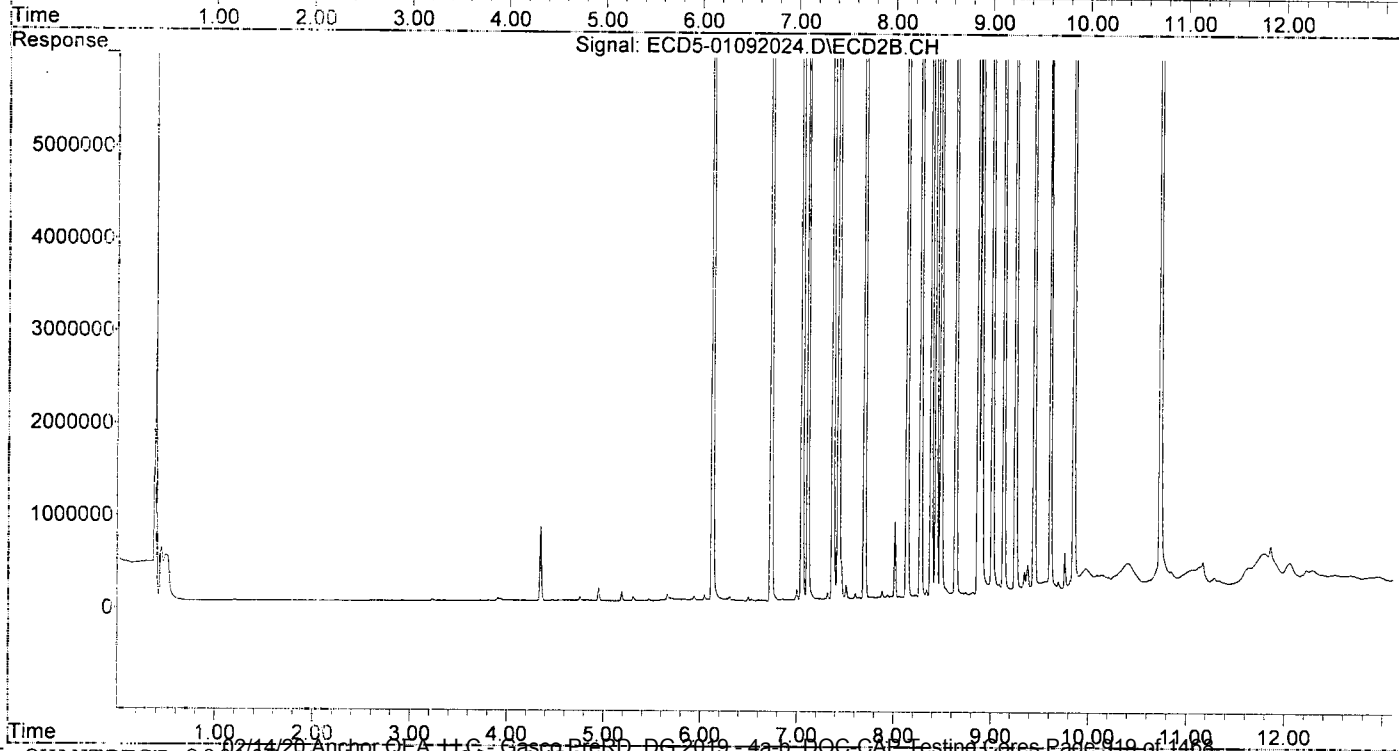
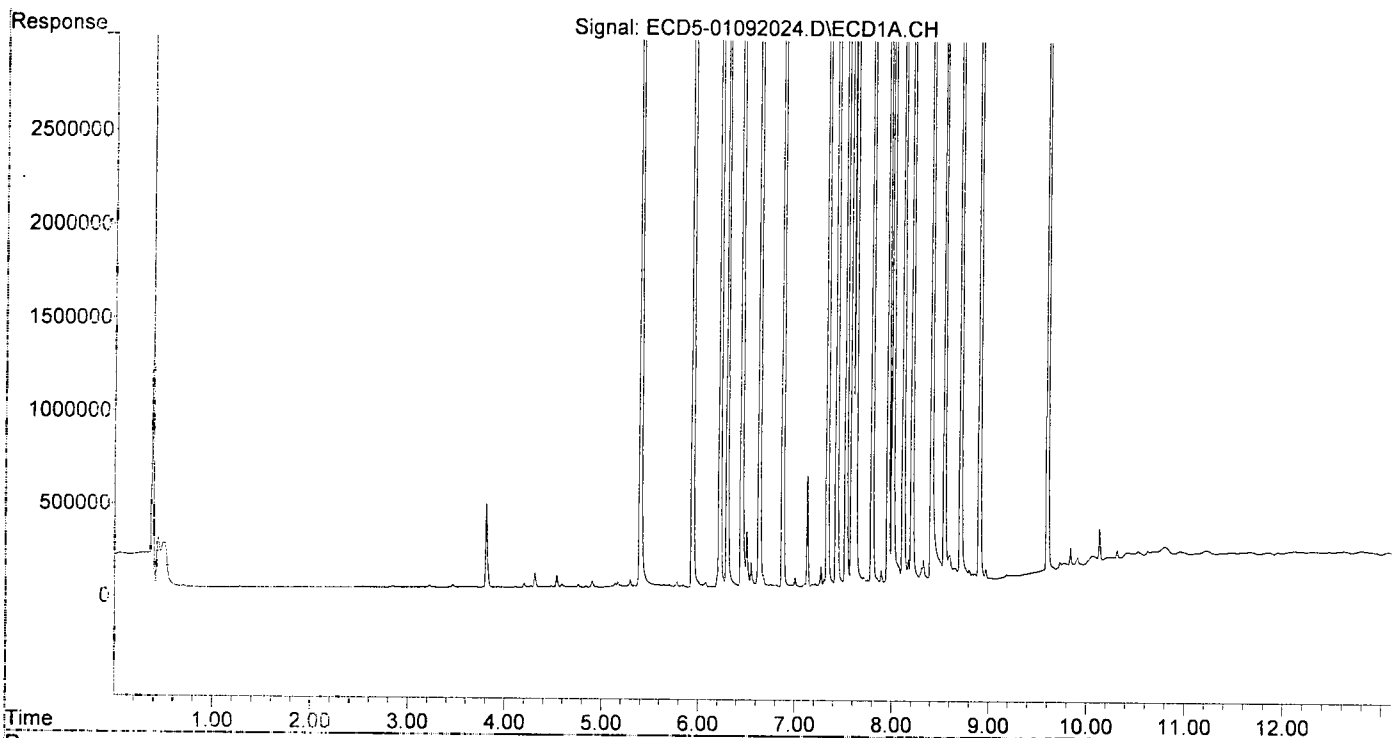
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.400	6.124	20316288	34385902	104.047	115.357
22) S DCBP (S)	9.600	10.732	15849041	20804566	107.198	116.914
Target Compounds						
2) a-BHC	5.939	6.732	29111757	52506148	110.622	127.148
3) g-BHC	6.222	7.051	26135780	45102068	111.930	123.534
4) b-BHC	6.297	7.111	10339168	17801835	107.236	110.669
5) Heptachlor	6.631	7.429	25823359	44049705	113.641	124.263
6) d-BHC	6.446	7.370	25040553	45246572	114.948	118.215
7) Aldrin	6.872	7.698	24287290	41436577	110.077	124.413
8) Heptachlo...	7.334	8.137	22298955	36437524	108.166	118.290
9) trans-Chl...	7.429	8.277	22999249	37092948	109.147	118.952
10) cis-Chlor...	7.527	8.385	22085315	35750456	107.930	120.515
11) Endosulfa...	7.624	8.437	20695102	33789673	106.784	121.597
12) 4,4'-DDE	7.588	8.486	23069709	39212433	111.888	117.642
13) Dieldrin	7.796	8.639	23615073	39189355	109.645	126.855
14) Endrin	7.961	8.869	20690527	31610717	119.586	134.533
15) 4,4'-DDD	8.009	8.903	19856144	31729022	115.006	129.081 <i>Q-u</i>
16) Endosulfa...	8.117	9.015	18542325	30224650	108.677	123.720
17) 4,4'-DDT	8.207	9.133	19900931	31638719	120.130	120.825 <i>Q-u</i>
18) Endrin Al...	8.408	9.252	15077452	24851647	98.473	111.142
19) Endosulfa...	8.710	9.443	17915160	28836438	111.944	130.087
20) Methoxychlor	8.543	9.609	10202556	15526145	117.801	130.548
21) Endrin Ke...	8.904	9.848	21630537	34294572	113.267	136.942
23) Hexachlor...	3.222	0.000	9748	0	0.049	N.D. #
24) Hexachlor...	5.781	6.602	30933	15652	0.005	0.049 #
25) Oxychlorthane	7.269	8.056	104611	11903	0.396	0.043 #
26) 2,4'-DDE	7.334	8.277	22298955	37092948	156.384	176.137
27) trans-Non...	7.527	8.339	22085315	70355	110.171	0.229 #
28) 2,4'-DDD	7.710	8.639	38321	39189355	0.301	212.478 #
29) 2,4'-DDT	7.891	8.869	69031	31610717	0.471	136.891 #
30) cis-Nonac...	8.009	8.903	19856144	31729022	84.245	93.009
31) Mirex	8.657	9.848	65852	34294572	0.242	167.598 #
32) Chlordane...	7.429	8.277	22999249	37092948	980.293	953.621
33) Chlordane...	7.527	8.385	22085315	35750456	766.299	1113.793 #
34) Chlordane...	8.117f	9.084f	18542325	97611	2437.346	9.193 #
35) Chlordane...	3.807	0.000	444484	0	NoCal	N.D.
36) Toxaphene...	7.527	8.639f	22085315	39189355	20969.289	14491.458
37) Toxaphene...	7.796	0.000	23615073	0	12143.523	N.D. #
38) Toxaphene...	8.117	9.015	18542325	30224650	4198.269	4321.136
39) Toxaphene...	8.327f	9.084	115807	97611	28.665	10.815 #
40) Toxaphene...	8.597	9.252	138749	24851647	42.202	4948.602 #
41) Toxaphene...	8.657	9.609f	65852	15526145	15.165	2765.530 #
42) Toxaphene...	3.807	0.000	444484	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 17:47
Operator : MJB
Sample : 0A09021-CCV3
Misc : A19K134, 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: Jan 09 18:02:06 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path: R:\data\2020-01\0A09021\
 Data File: ECD5-01092025.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 09 Jan 2020 18:04
 Operator: MJB
 Sample: 0A09021-CCV4
 Misc: A19J409, 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: Jan 09 18:19:02 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

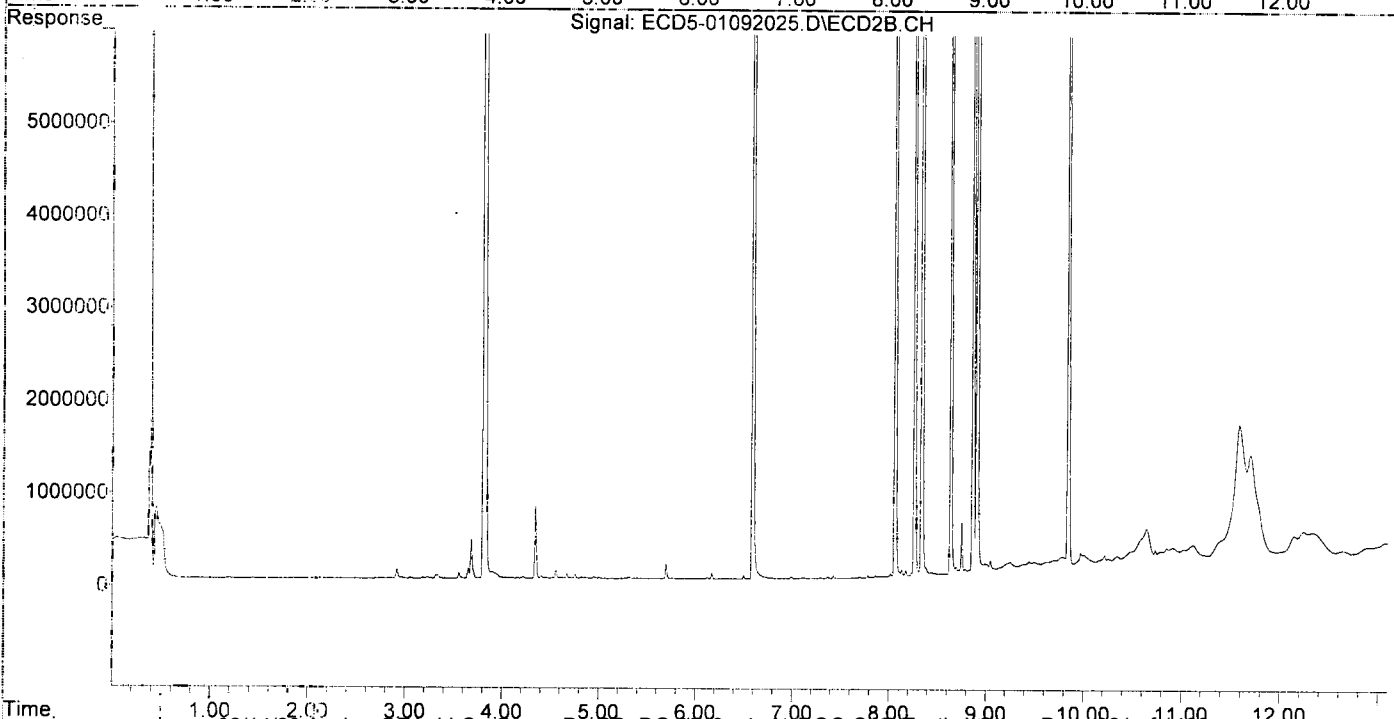
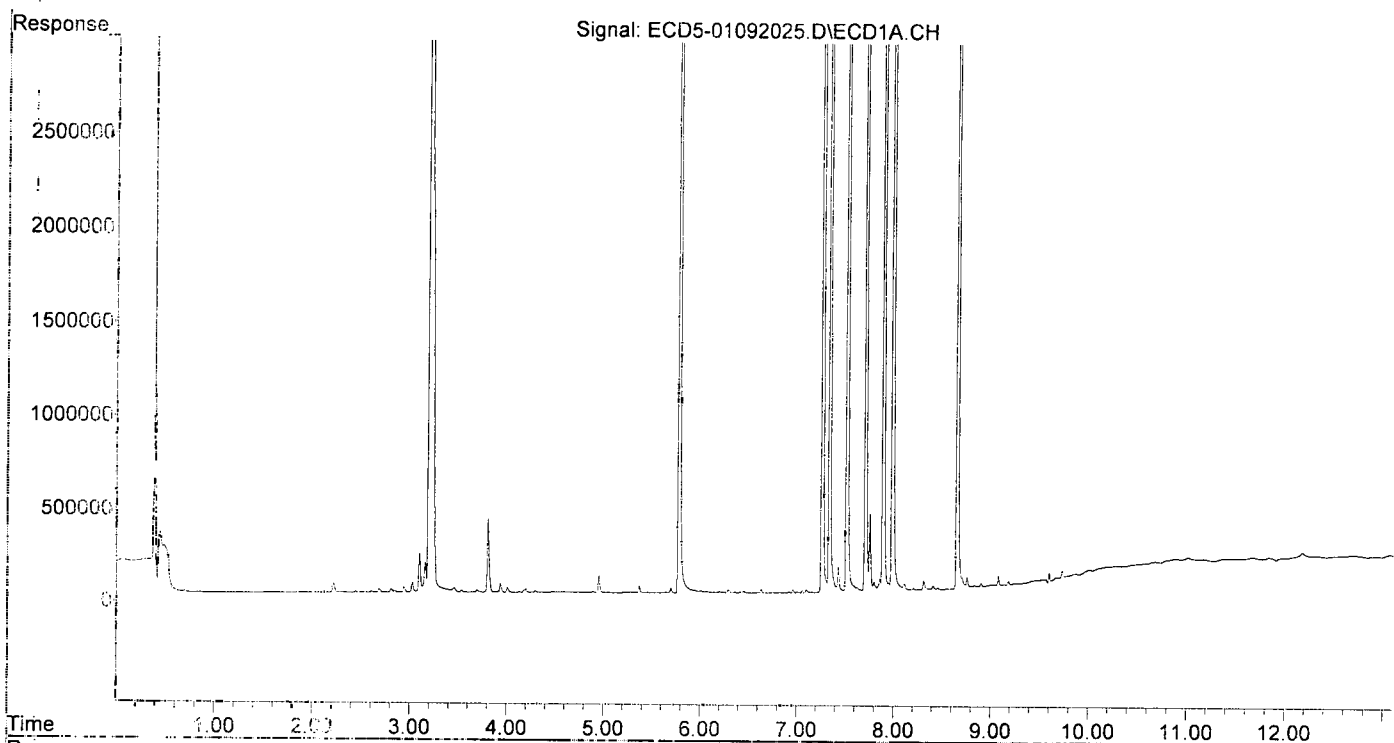
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.372f	6.122	37799	12109	0.194	0.041 #
22) S DCEP (S)	9.603	10.733	51040	144787	0.186	0.814 #
Target Compounds						
2) a-BHC	5.938	6.726	15295	14822	0.058	0.036
3) g-BHC	5.200f	0.000	6841	0	0.029	N.D. #
4) b-BHC	5.293	7.112	14885	11884	5931.850	0.074 #
5) Heptachlor	6.534	7.428	18328	27402	0.081	0.077
6) d-BHC	6.450	7.369	7311	14119	0.034	0.100 #
7) Aldrin	6.875	7.699	2938	10138	0.013	0.030 #
8) Heptachlo...	7.338	8.134	12673190	69000	61.474	0.224 #
9) trans-Chl...	7.430	8.265	134786	21358506	0.640	68.494 #
10) cis-Chlor...	7.519	8.382	18697947	83177	91.376	0.280 #
11) Endosulfa...	0.000	8.438	0	26406	N.D.	0.095 #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	8.639	0	18542242	N.D.	60.021 #
14) Endrin	7.989f	8.866	20932814	22008414	120.986	93.667
15) 4,4'-DDD	7.989f	8.909	20932814	35574858	121.242	144.727
16) Endosulfa...	8.112	9.013	34205	84252	0.200	0.345 #
17) 4,4'-DDT	8.208	9.132	11075	40413	0.067	0.219 #
18) Endrin Al...	8.410	9.251	21516	96618	0.141	0.432 #
19) Endosulfa...	0.000	9.443	0	90892	N.D.	0.410 #
20) Methoxychlor	0.000	9.641f	0	75666	N.D.	0.636 #
21) Endrin Ke...	8.905	9.845	21313	18692205	0.112	74.640 #
23) Hexachlor...	3.202	3.810	16418597	35894052	82.321	89.572
24) Hexachlor...	5.781	6.593	18227714	31708184	94.378	99.056
25) Oxychlorane	7.264	8.065	16837868	27954763	95.279	99.948
26) 2,4'-DDE	7.338	8.265	12673190	21358506	88.878	101.422
27) trans-Non...	7.519	8.340	18697947	30930477	93.388	100.591
28) 2,4'-DDD	7.710	8.639	11358425	18542242	89.272	100.533
29) 2,4'-DDT	7.893	8.866	13205505	22008414	90.155	100.692
30) cis-Nonac...	7.989	8.909	20932814	35574858	88.813	104.282
31) Mirex	8.658	9.845	12575074	18692205	94.312	97.594
32) Chlordane...	7.430	8.265	134786	21358506	5.745	549.105 #
33) Chlordane...	7.519	8.382	18697947	83177	648.767	2.591 #
34) Chlordane...	8.112f	9.047	34205	117474	4.496	11.064 #
35) Chlordane...	3.805	3.810	399729	35894052	NoCal	NoCal
36) Toxaphene...	7.519	8.639f	18697947	18542242	17753.093	6856.559 #
37) Toxaphene...	0.000	8.993f	0	90252	N.D.	25.915 #
38) Toxaphene...	8.112	9.013	34205	84252	4.025	12.495 #
39) Toxaphene...	0.000	9.047f	0	117474	N.D.	13.015 #
40) Toxaphene...	0.000	9.251	0	96618	N.D.	19.239 #
41) Toxaphene...	8.658	9.641	12575074	75666	2895.909	13.478 #
42) Toxaphene...	3.805	3.810	399729	35894052	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:04
Operator : MJB
Sample : 0A09021-CCV4
Misc : A19J409, 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: Jan 09 18:19:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 18:22
 Operator : MJB
 Sample : 0A09021-CC#2
 Misc : A15L339
 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: Jan 09 18:50:30 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

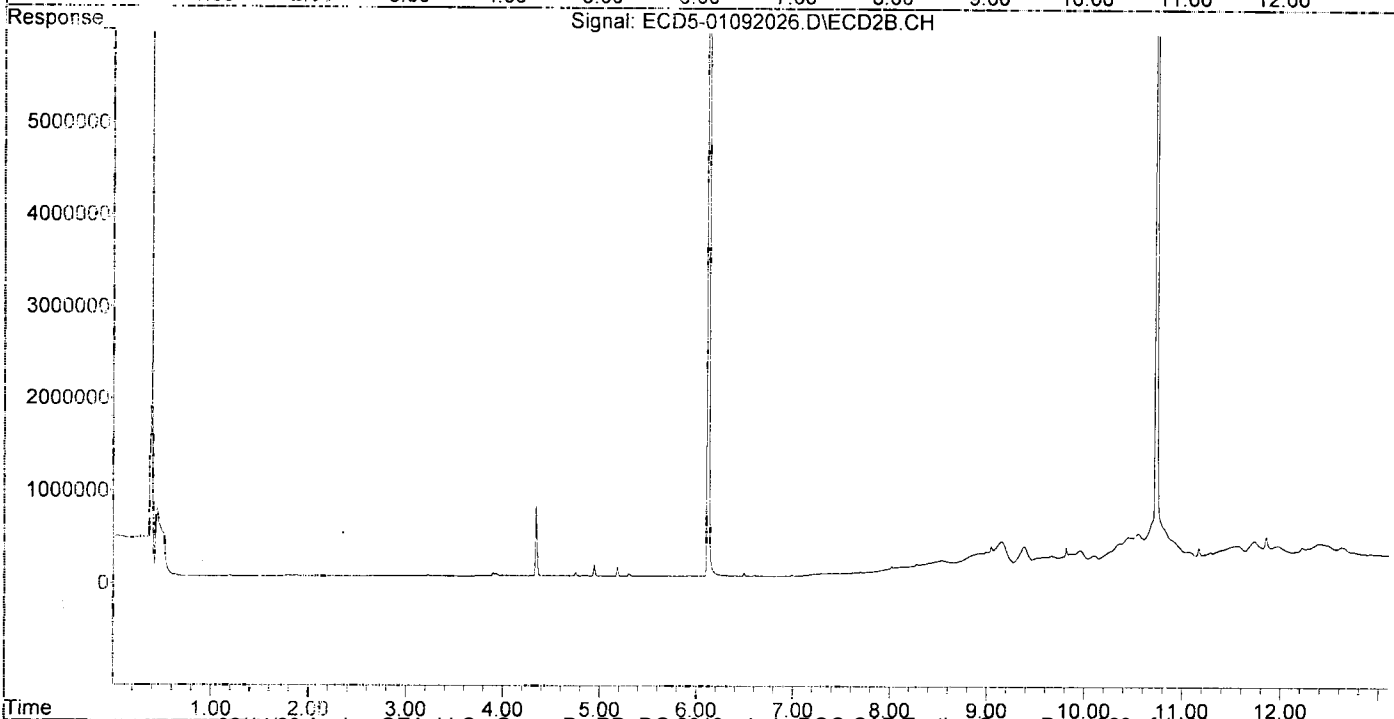
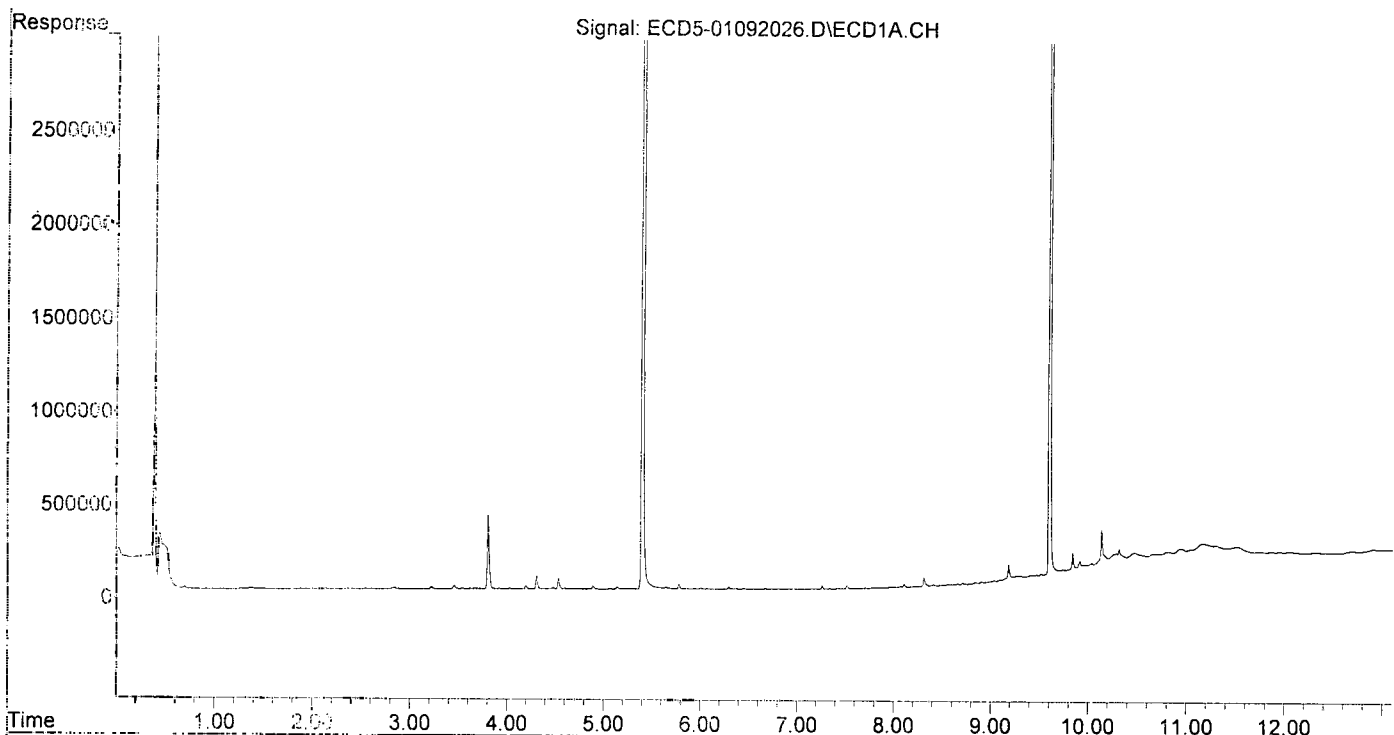
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.399	6.122	17282738	30814296	88.511	103.375
22) S DCBP (S)	9.602	10.733	14266984	17232611	96.352	96.841
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.295	0.000	12083	0	5931.879	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.449	7.369	3569	6142	0.016	0.076 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.338	0.000	2299	0	0.011	N.D. #
9) trans-Chl...	7.417	8.284	5149	48988	0.024	0.157 #
10) cis-Chlor...	7.518	0.000	14691	0	0.072	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	7.799	0.000	1028	0	0.005	N.D. #
14) Endrin	7.961	8.910f	1443	120158	0.008	0.511 #
15) 4,4'-DDD	7.992f	8.910	4637	120158	0.027	0.489 #
16) Endosulfa...	8.110	8.994f	15548	132474	0.091	0.542 #
17) 4,4'-DDT	0.000	9.158f	0	231710	N.D.	1.113 #
18) Endrin Al...	8.410	0.000	7110	0	0.046	N.D. #
19) Endosulfa...	8.712	0.000	8801	0	0.055	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.906	9.850	6289	13510	0.033	0.054 #
23) Hexachlor...	3.220	0.000	10238	0	0.051	N.D. #
24) Hexachlor...	5.781	6.606	25204	9852	BelowCal	0.031
25) Oxychlorane	7.263	0.000	16903	0	BelowCal	N.D.
26) 2,4'-DDE	7.338	8.284	2299	48988	0.016	0.233 #
27) trans-Non...	7.518	8.344	14691	44024	BelowCal	0.143
28) 2,4'-DDD	7.713	0.000	1843	0	0.014	N.D. #
29) 2,4'-DDT	7.896	8.910f	1102	120158	0.008	0.548 #
30) cis-Nonac...	7.992	8.910	4637	120158	0.020	0.352 #
31) Mirex	8.660	9.850	4621	13510	6723.013	BelowCal #
32) Chlordane...	7.417	8.284	5149	48988	0.219	1.259 #
33) Chlordane...	7.518	0.000	14691	0	0.510	N.D. #
34) Chlordane...	8.071	9.047	5470	186285	0.719	17.545 #
35) Chlordane...	3.805	0.000	394889	0	NoCal	N.D.
36) Toxaphene...	7.518	0.000	14691	0	13.949	N.D. #
37) Toxaphene...	7.799	8.994f	1028	132474	0.529	38.039 #
38) Toxaphene...	8.110	8.994	15548	132474	BelowCal	21.895 #
39) Toxaphene...	0.000	9.047f	0	186285	N.D.	20.639 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.660	9.664f	4621	29359	1.064	5.229 #
42) Toxaphene...	3.805	0.000	394889	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:22
Operator : MJB
Sample : 0A09021-CCB2
Misc : A19L339
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: Jan 09 18:50:30 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 18:39
 Operator : MJB
 Sample : A9J0861-02PE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 09 18:54:57 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

204

MJB 1/9/20

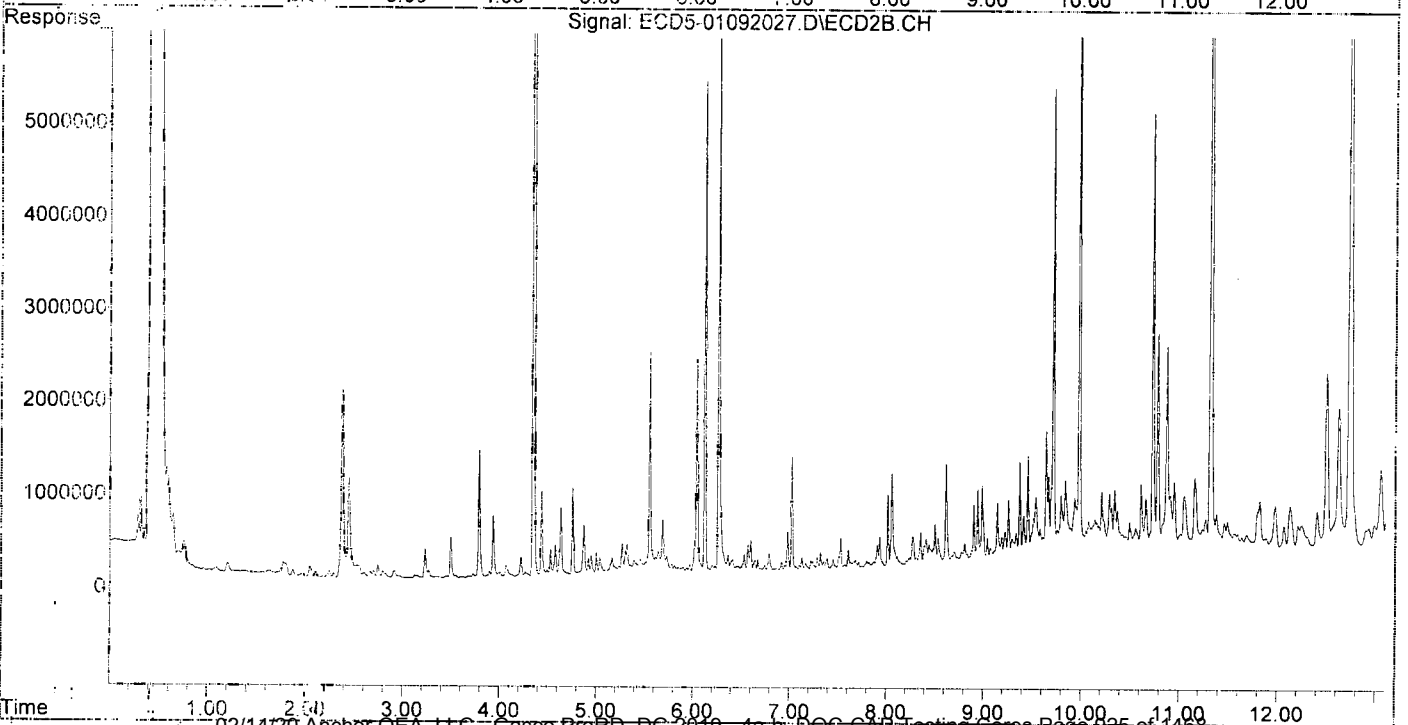
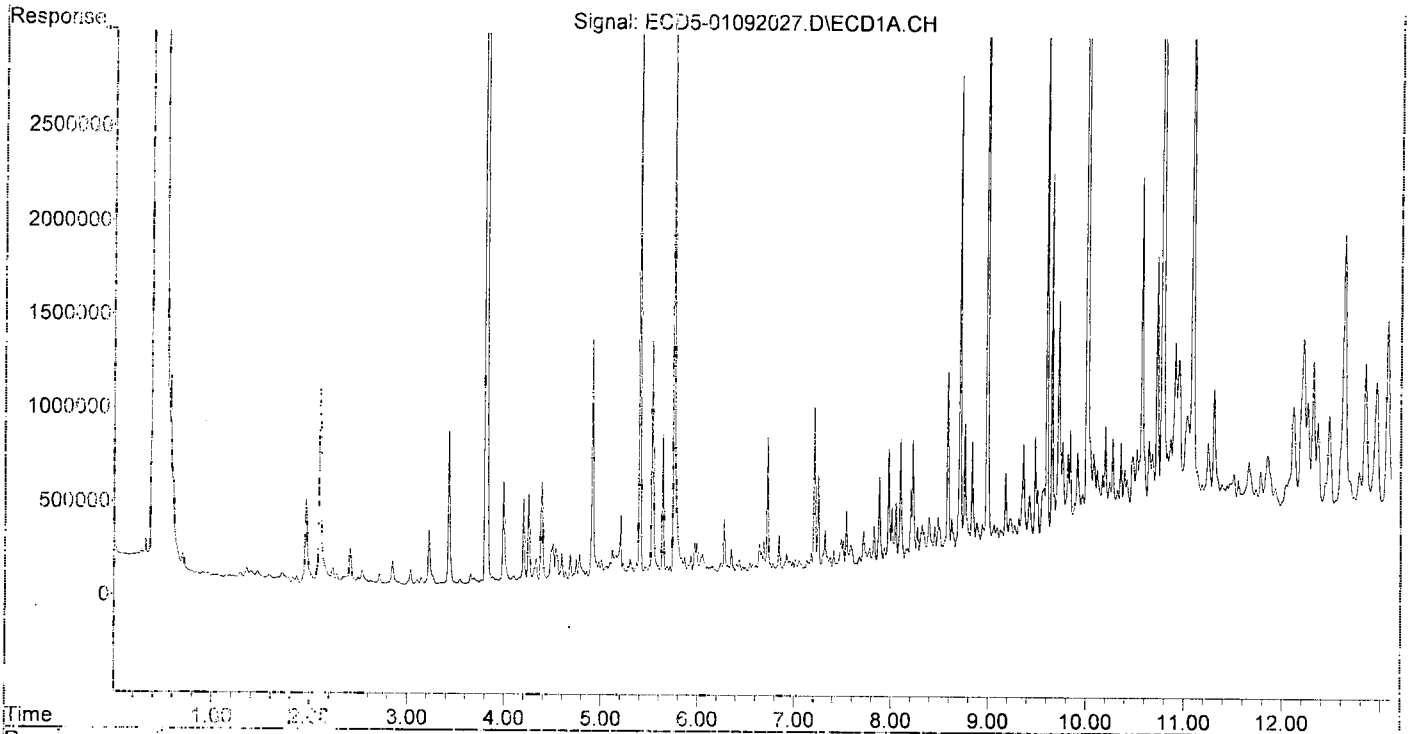
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.400	6.123	3129795	5285128	16.029	17.730
22)	S DCBP (S)	9.600	10.734	3428489	4748065	22.826	26.682
Target Compounds							
2)	a-BHC	6.929	6.741	96017	52807	0.365	0.128 #
3)	g-BHC	6.239	7.070	48686	31522	0.209	0.086 #
4)	b-BHC	6.311	7.127	39427	125650	0.235	0.781 #
5)	Heptachlor	6.639	7.449	145099	91661	0.639	0.259 #
6)	d-BHC	6.467	7.388	25503	104807	0.117	0.370 #
7)	Aldrin	6.842f	7.717	188188	50777	0.853	0.152 #
8)	Heptachlo...	7.318f	8.134	196375	43334	0.953	0.141 #
9)	trans-Chl...	7.408f	8.273	87204	304820	0.414	0.978 #
10)	cis-Chlor...	7.538	8.391	290599	205572	1.420	0.693 #
11)	Endosulfa...	7.541	8.440	9050	207776	0.047	0.748 #
12)	4,4'-DDE	7.583	8.495	107650	270776	0.522	0.963m#
13)	Dieldrin	7.824f	8.616f	193477	1064741	0.898	3.447 #
14)	Endrin	7.974	8.879	590468	128228	3.413	0.546 #
15)	4,4'-DDD	8.007	8.902	278150	618095	1.611	2.515 # <i>MDL-MRL</i>
16)	Endosulfa...	8.096f	9.042f	637203	247215	3.735	1.012 #
17)	4,4'-DDT	8.220	9.144	549221	620928	3.315m	2.923 <i>R-02</i>
18)	Endrin Al...	8.391f	9.259	205876	645468	1.345	2.887 #
19)	Endosulfa...	8.711	9.458	2538588	1106637	15.863	4.992 #
20)	Methoxychlor	8.584f	9.611	969338	229208	11.192	1.927 #
21)	Endrin Ke...	8.882f	9.839	146977	830196	0.770	3.315 #
23)	Hexachlor...	3.222	3.787f	289004	1373047	1.449	3.426 #
24)	Hexachlor...	5.752f	6.598	2901051	329651	14.902	1.030 #
25)	Cyoxchlorane	7.247f	8.058	488348	983417	2.597	3.516 #
26)	2,4'-DDE	7.328	8.273	81767	304820	0.573m	1.447 # <i>P-01</i>
27)	trans-Non...	7.538	8.353	290599	348776	1.309	1.134 # <i>MDL-MRL</i>
28)	2,4'-DDD	7.717	8.631	174003	282688	1.368	1.533m
29)	2,4'-DDT	7.887	8.879	204731	128228	1.398m	0.592 #
30)	cis-Nonac...	8.007	8.902	278150	618095	1.180	1.812 #
31)	Mirex	8.624f	9.839	181862	830196	1.102	4.520 #
32)	Chlordane...	7.408f	8.273	87204	304820	3.717	7.837 #
33)	Chlordane...	7.538	8.391	290599	205572	10.083	6.405 #
34)	Chlordane...	8.096	9.071	637203	144475	83.759	13.607 #
35)	Chlordane...	3.806	3.787	12976561	1373047	NoCal	NoCal
36)	Toxaphene...	7.504	8.616	137556	1064741	130.605	393.721 #
37)	Toxaphene...	7.824f	8.988	193477	813047	99.491	233.463 #
38)	Toxaphene...	8.096f	8.988	637203	813047	148.039	153.002 #
39)	Toxaphene...	8.339	9.071	134166	144475	33.209	16.007 #
40)	Toxaphene...	8.584	9.259	969338	645468	294.831	128.529 #
41)	Toxaphene...	8.624f	9.644	181862	1370579	41.881	244.129 #
42)	Toxaphene...	3.806	3.787	12976561	1373047	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-G2RE1
Miscr : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

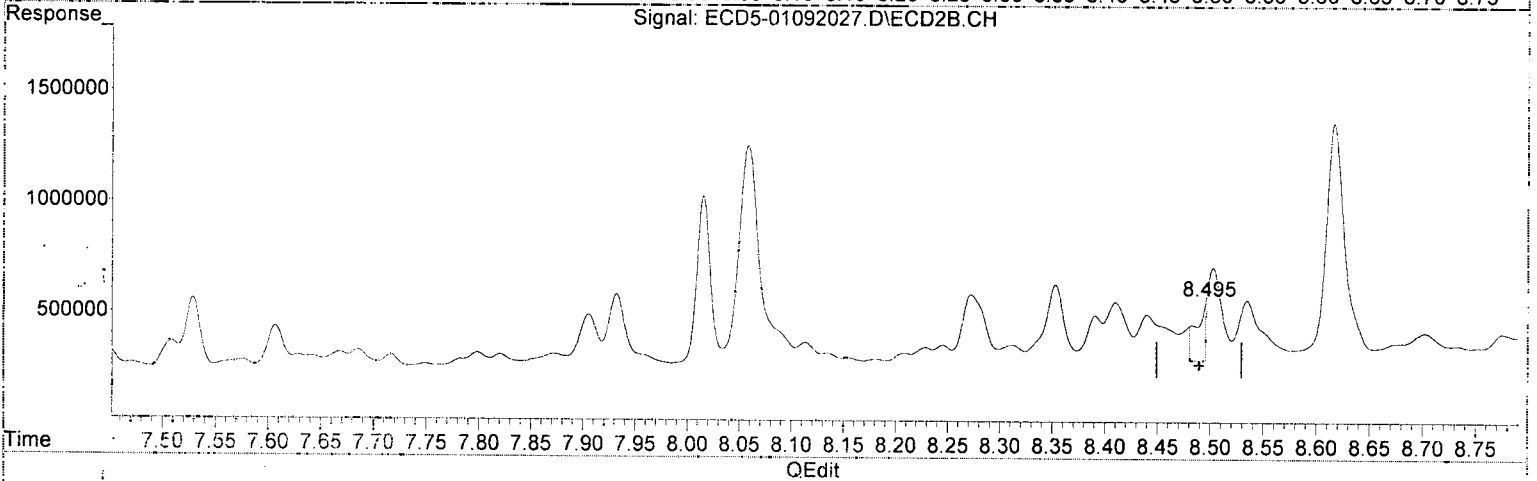
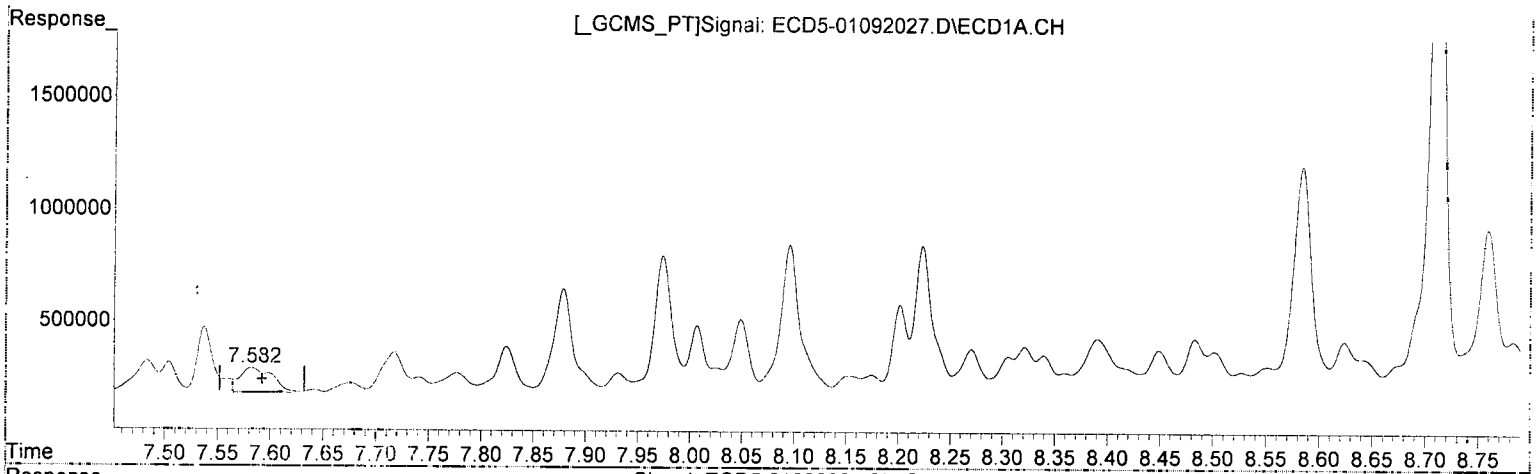
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 18:54:57 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.583min 0.522 ng/mL
response 107650

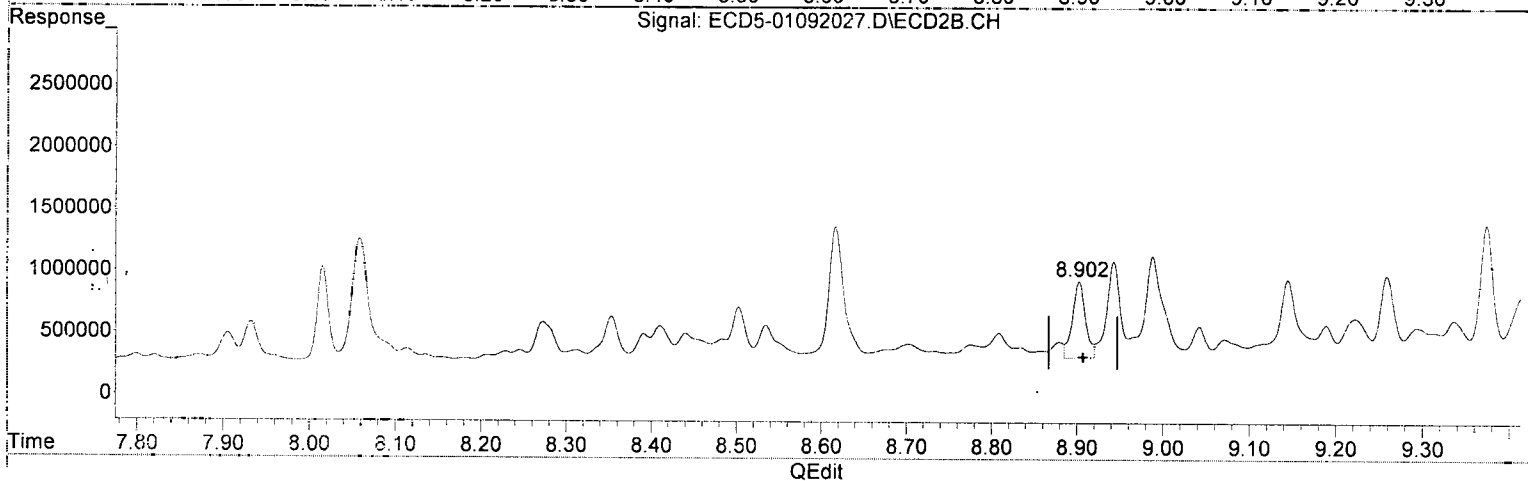
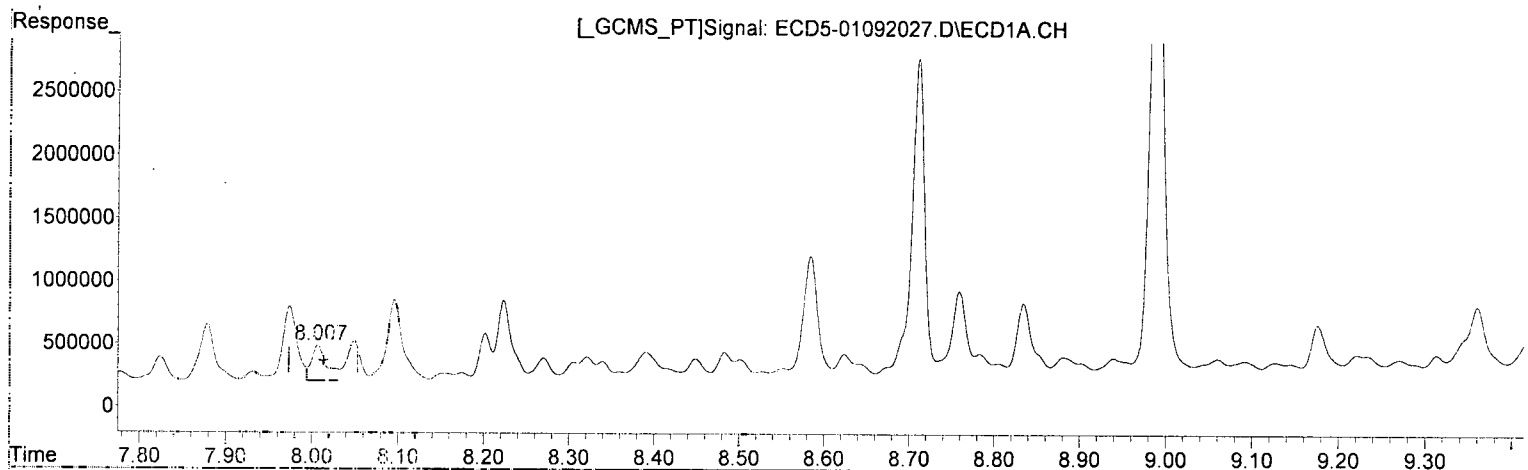
MJB
1/9/20

(12) 4,4'-DDE #2
8.495min 0.963 ng/mL (m)
response 270776

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GFC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDE

8.007min 1.611 ng/mL

response 278150

NDE-MRL

WB 1/9/20

(15) 4,4'-DDD #2

8.902min 2.515 ng/mL

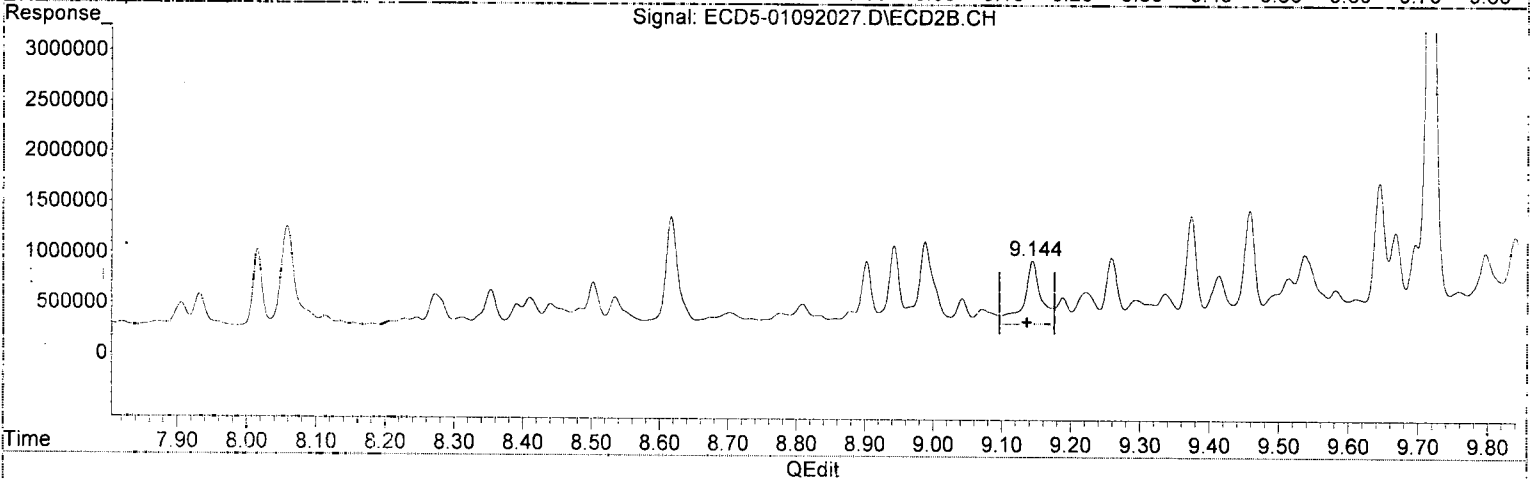
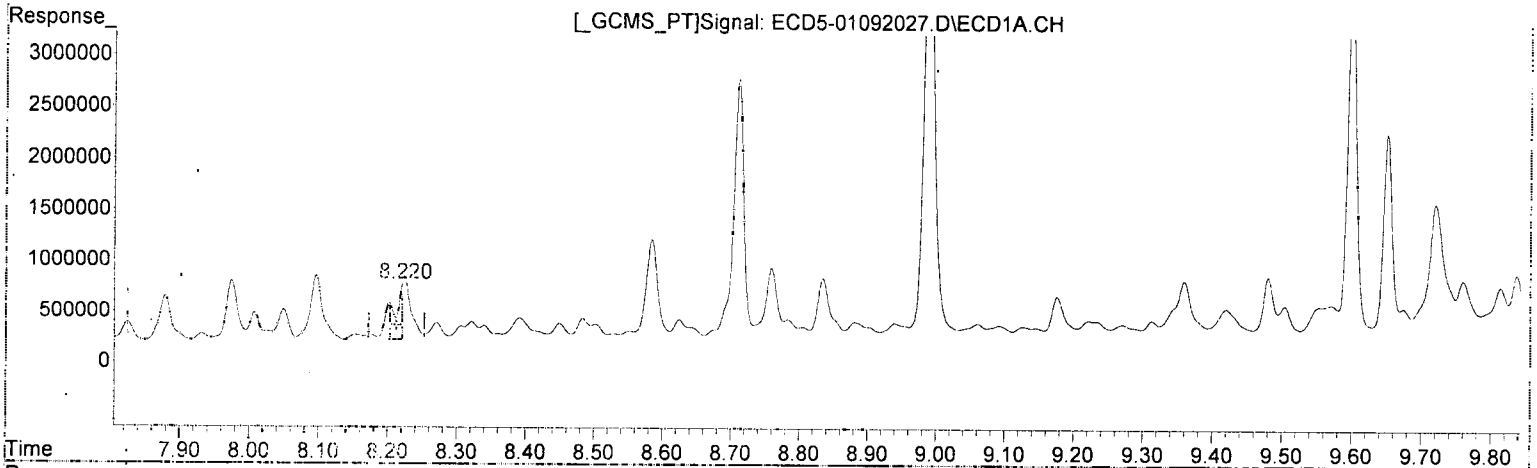
response 618095

P-01

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081E 2,4+4,4-DDx Only, GPC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.220min 3.315 ng/mL/D
response 549221

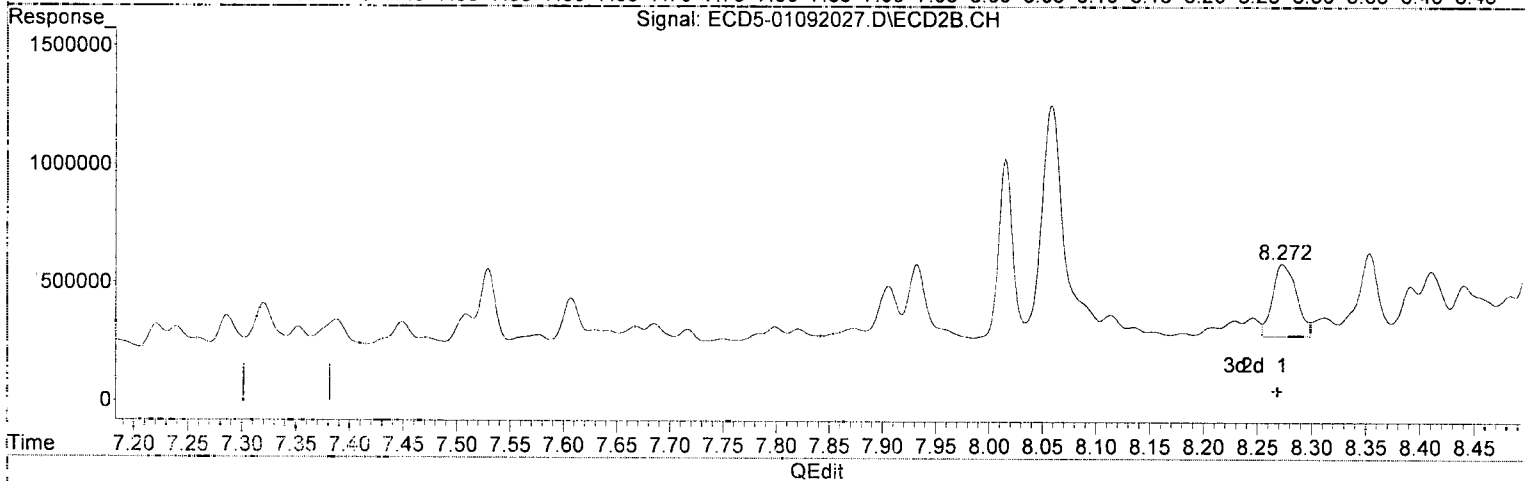
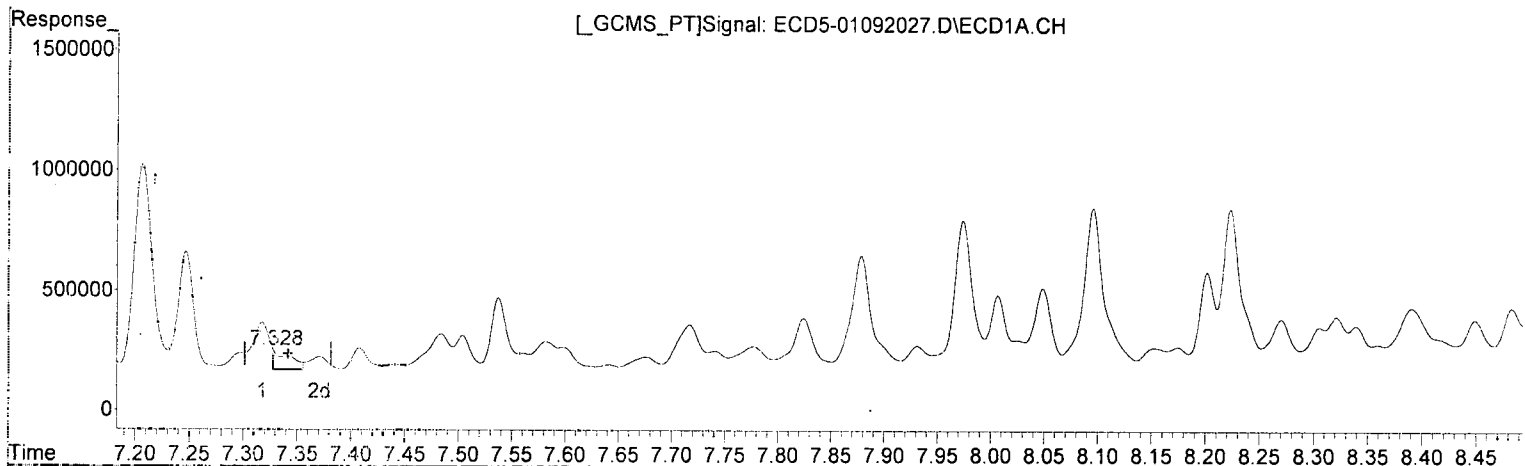
MJB
1/9/20

(17) 4,4'-DDT #2
9.144min 2.923 ng/mL *R.02*
response 620928

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GFC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.328min 0.573 ng/mL (+)
response 81767

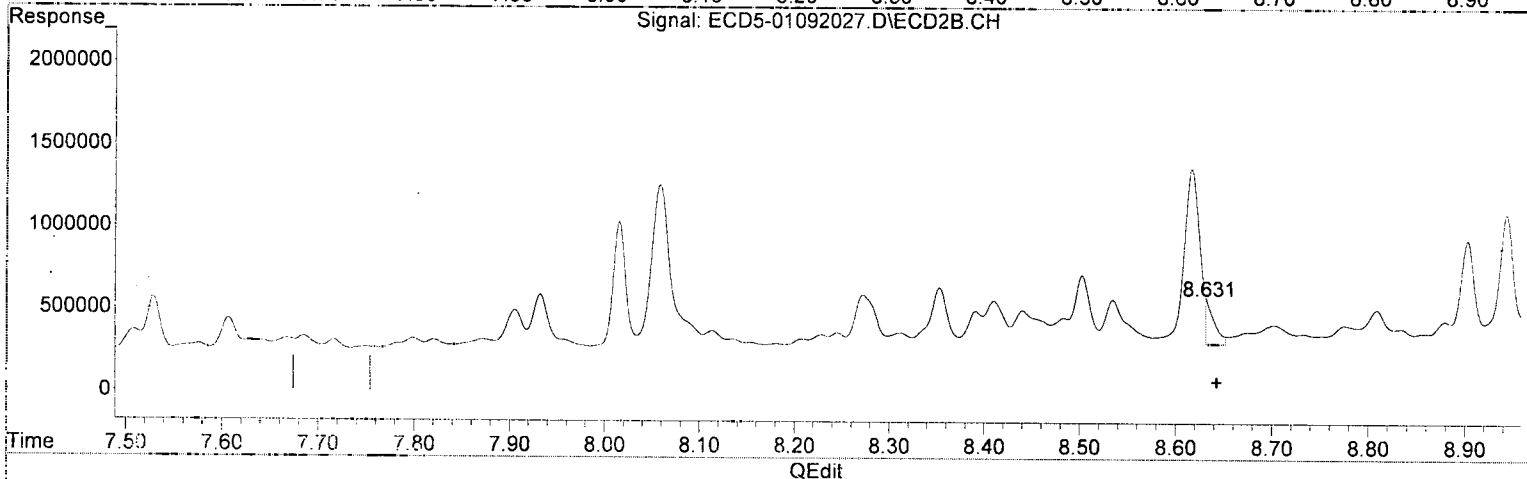
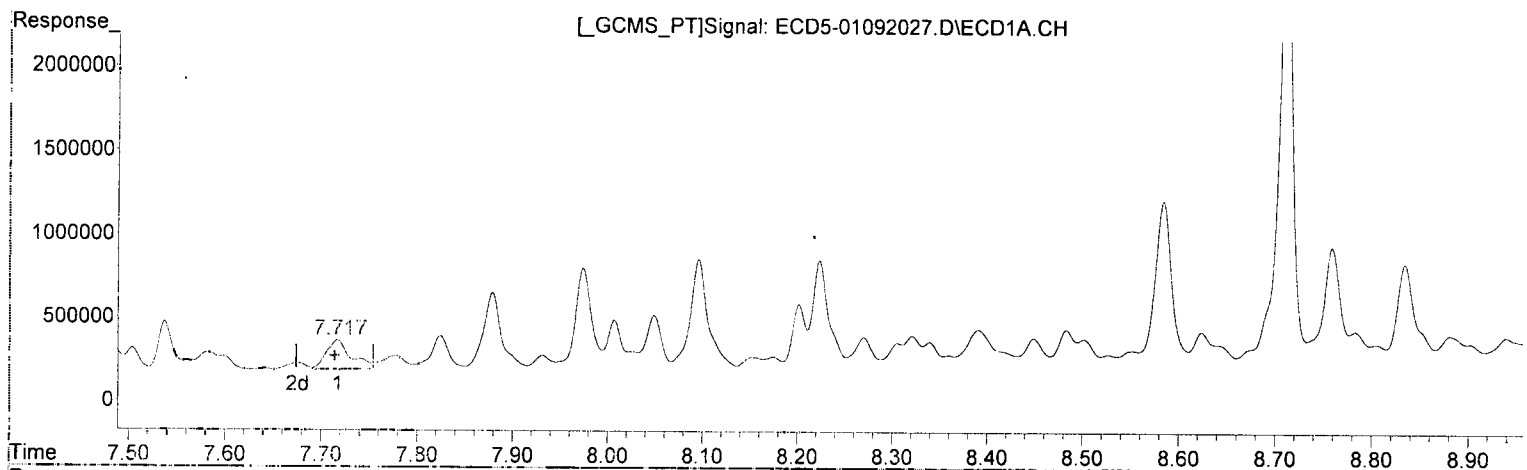
MJB 1/9/20

(26) 2,4'-DDE #2
8.273min 1.447 ng/mL (+)
response 304820

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.717min 1.368 ng/mL
response 174003

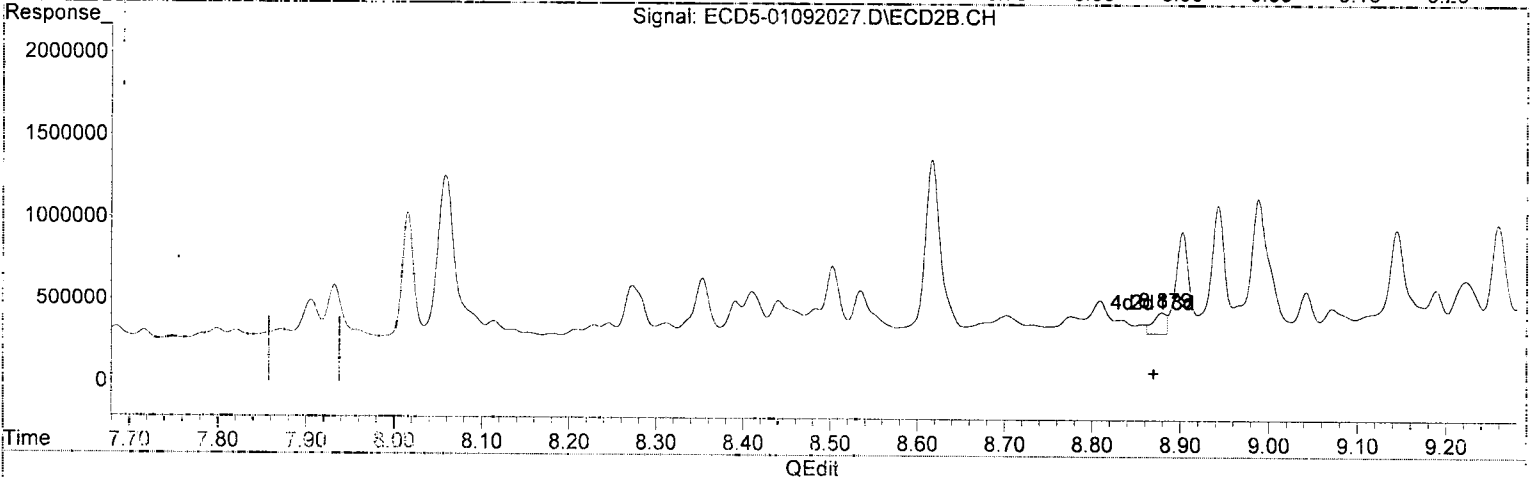
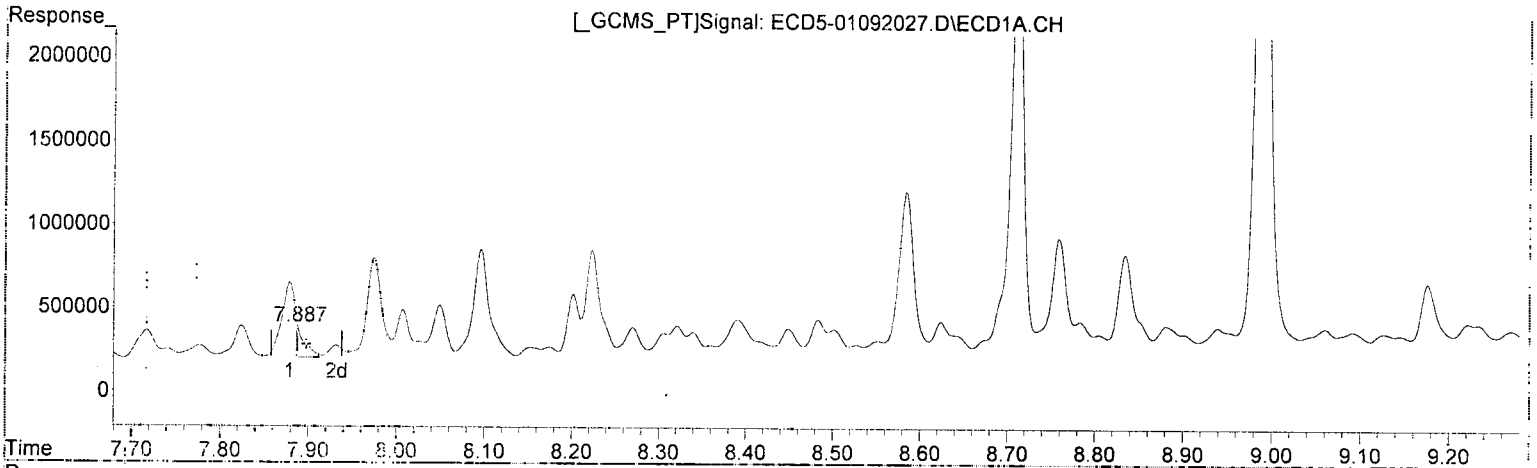
MJB
1/9/20

(28) 2,4'-DDD #2
8.631min 1.533 ng/mL (m) MJB=MRL
response 282688

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.887min 1.398 ng/ml (m)
response 204731

MJB
1/9/20

(29) 2,4'-DDT #2
8.879min 0.592 ng/ml
response 128228

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092027.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 18:39
 Operator : MJB
 Sample : A9J0861-02RE1
 Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 09 18:53:23 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MI
MB
1/9/20

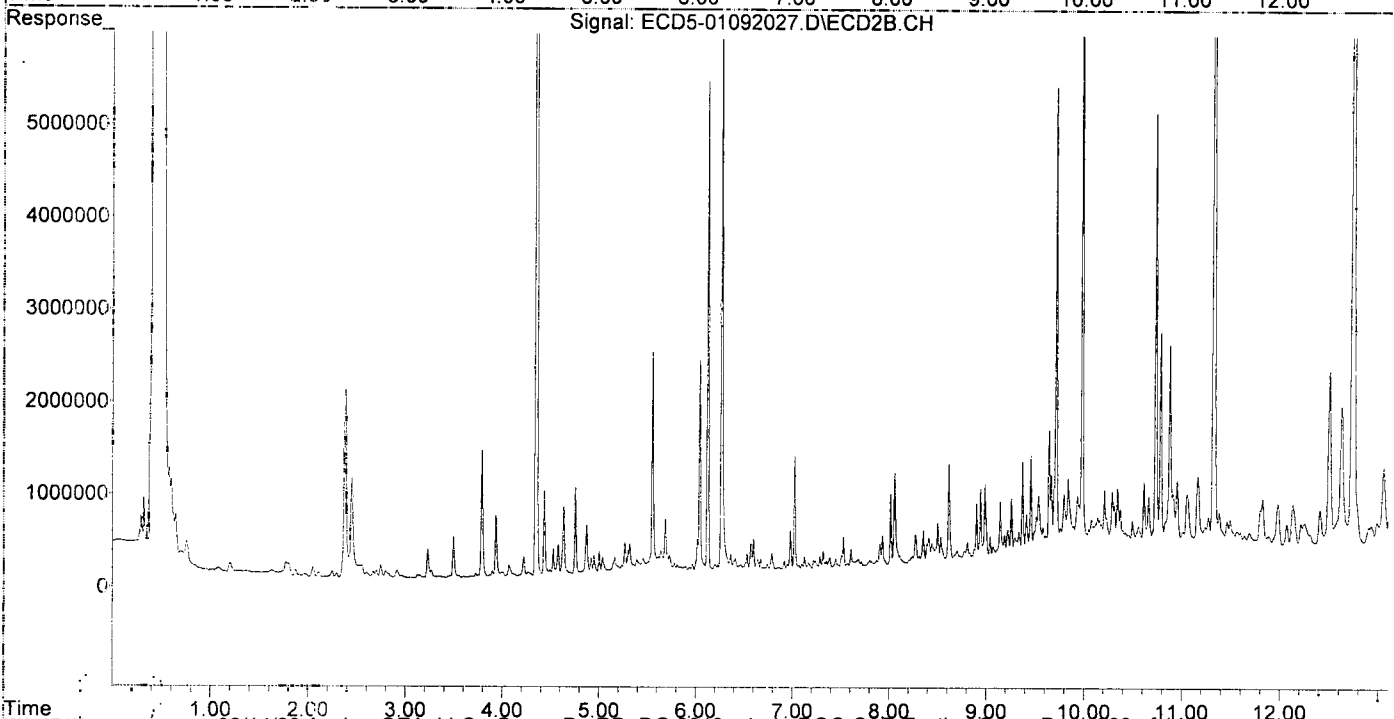
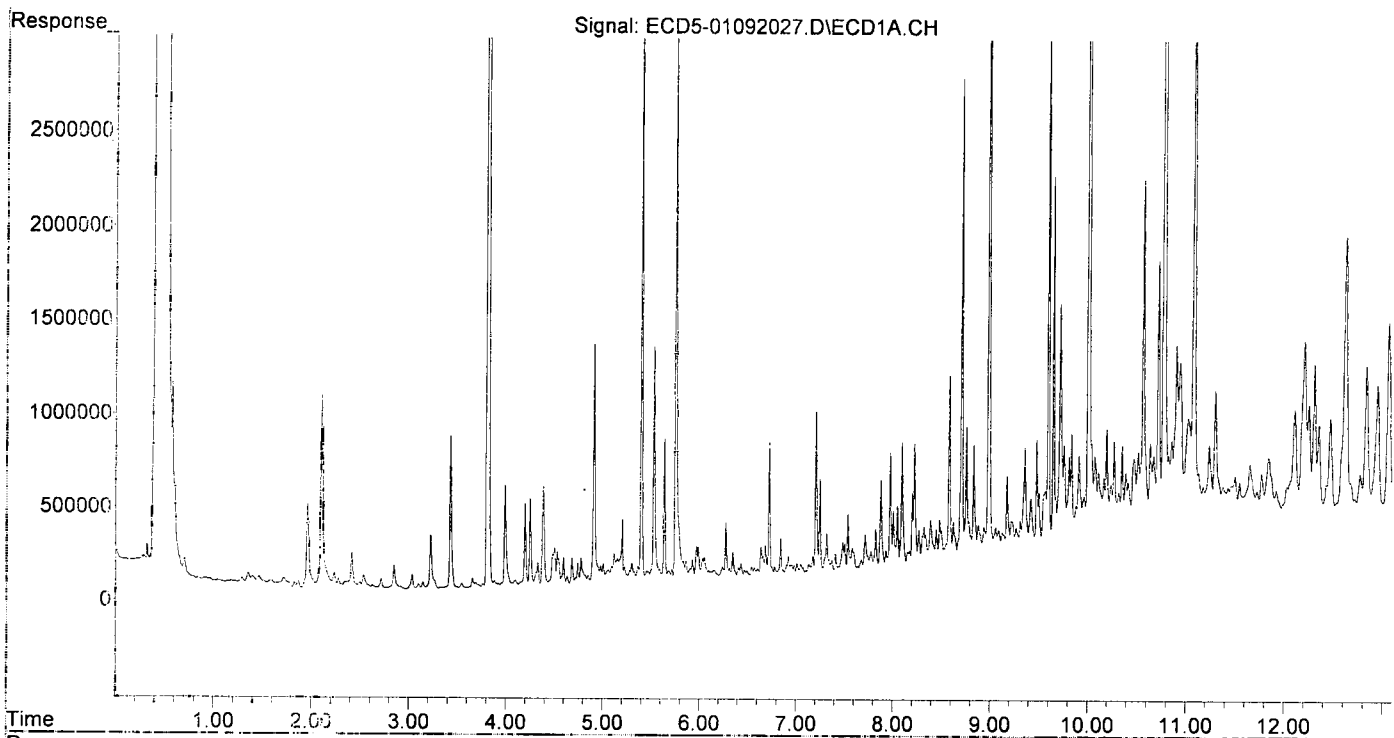
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.400	6.123	3129795	5285128	16.029	17.730
22)	S DCBP (S)	9.600	10.734	3428489	4748065	22.826	26.682
Target Compounds							
2)	a-BHC	5.929	6.741	96017	52807	0.365	0.128 #
3)	g-BHC	6.239	7.070	48686	31522	0.209	0.086 #
4)	b-BHC	6.311	7.127	39427	125650	0.235	0.781 #
5)	Heptachlor	5.639	7.449	145099	91661	0.639	0.259 #
6)	d-BHC	6.467	7.388	25503	104807	0.117	0.370 #
7)	Aldrin	6.842f	7.717	188188	50777	0.853	0.152 #
8)	Heptachlo...	7.318f	8.134	196375	43334	0.953	0.141 #
9)	trans-Chl...	7.408f	8.273	87204	304820	0.414	0.978 #
10)	cis-Chlor...	7.538	8.391	290599	205572	1.420	0.693 #
11)	Endosulfa...	7.641	8.440	9050	207776	0.047	0.748 #
12)	4,4'-DDE	7.583	8.483	107650	160533	0.522	0.585 #
13)	Dieldrin	7.824f	8.616f	193477	1064741	0.898	3.447 #
14)	Endrin	7.974	8.879	590468	128228	3.413	0.546 #
15)	4,4'-DDD	8.007	8.902	278150	618095	1.611	2.515 #
16)	Endosulfa...	8.096f	9.042f	637203	247215	3.735	1.012 #
17)	4,4'-DDT	8.202	9.144	364147	620928	2.198	2.923 #
18)	Endrin Al...	8.391f	9.259	205876	645468	1.345	2.887 #
19)	Endosulfa...	8.711	9.458	2538588	1106637	15.863	4.992 #
20)	Methoxychlor	8.584f	9.611	969338	229208	11.192	1.927 #
21)	Endrin Ke...	8.882f	9.839	146977	830196	0.770	3.315 #
23)	Hexachlor...	3.222	3.787f	289004	1373047	1.449	3.426 #
24)	Hexachlor...	5.752f	6.598	2901051	329651	14.902	1.030 #
25)	Oxychlorthane	7.247f	8.058	488348	983417	2.597	3.516 #
26)	2,4'-DDE	7.318f	8.273	196375	304820	1.377	1.447 #
27)	trans-Non...	7.538	8.353	290599	348776	1.309	1.134 #
28)	2,4'-DDD	7.717	8.616f	174003	1064741	1.368	5.773 #
29)	2,4'-DDT	7.879	8.879	450614	128228	3.076	0.592 #
30)	cis-Nonac...	8.007	8.902	278150	618095	1.180	1.812 #
31)	Mirex	8.624f	9.839	181862	830196	1.102	4.520 #
32)	Chlordane...	7.408f	8.273	87204	304820	3.717	7.837 #
33)	Chlordane...	7.538	8.391	290599	205572	10.083	6.405 #
34)	Chlordane...	8.096	9.071	637203	144475	83.759	13.607 #
35)	Chlordane...	3.806	3.787	12976561	1373047	NoCal	NoCal
36)	Toxaphene...	7.504	8.616	137556	1064741	130.605	393.721 #
37)	Toxaphene...	7.824f	8.988	193477	813047	99.491	233.463 #
38)	Toxaphene...	8.096f	8.988	637203	813047	148.039	153.002 #
39)	Toxaphene...	8.339	9.071	134166	144475	33.209	16.007 #
40)	Toxaphene...	8.584	9.259	969338	645468	294.831	128.529 #
41)	Toxaphene...	8.624f	9.644	181862	1370579	41.881	244.129 #
42)	Toxaphene...	3.806	3.787	12976561	1373047	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 18:39
Operator : MJB
Sample : A9J0861-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 09 18:53:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 23:02
 Operator : MJB
 Sample : 0A09021-CCV5
 Misc : A19K133, 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: Jan 10 10:57:29 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
11/10/20

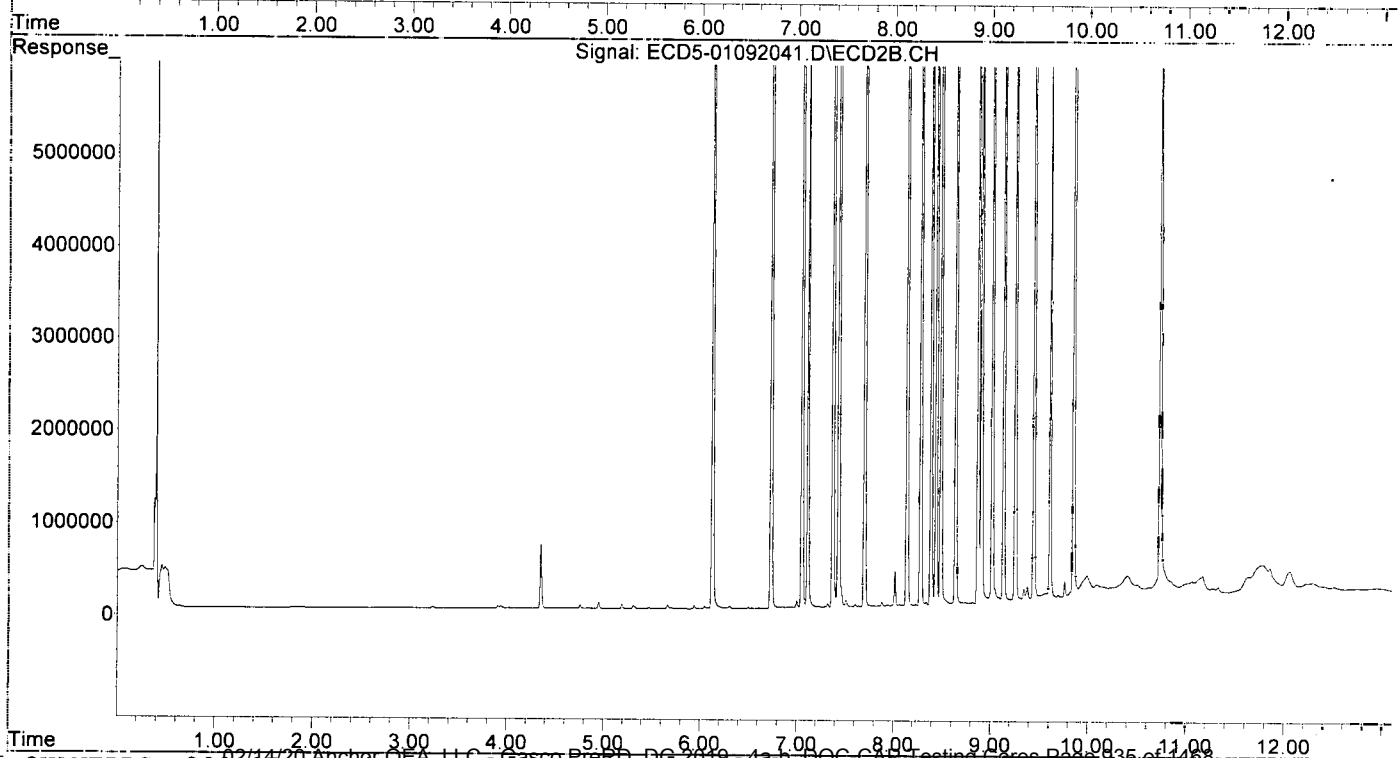
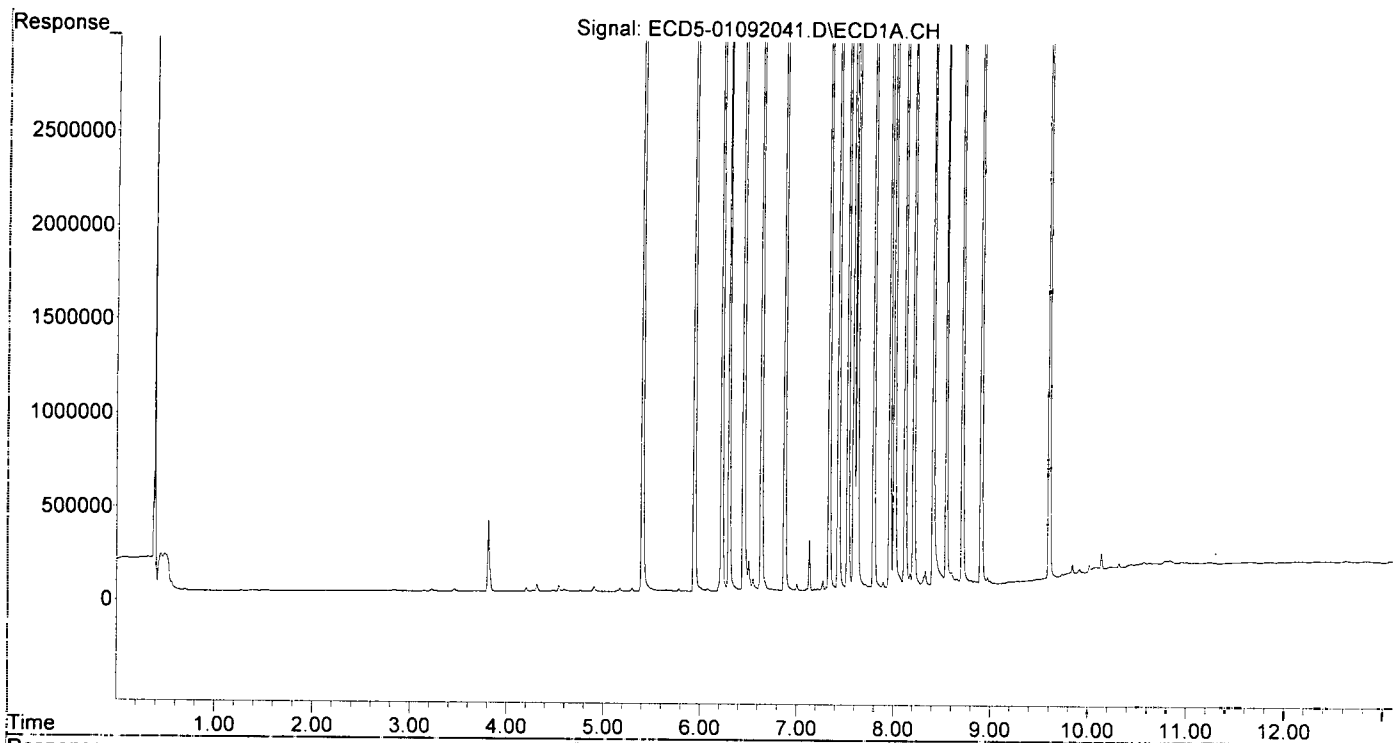
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.126	8498550	13904218	43.524	46.645
22) S DCBP (S)	9.604	10.736	7092411	8530065	47.531	47.936
Target Compounds						
2) a-BHC	5.941	6.734	12768881	20928515	48.521	50.680
3) g-BHC	6.224	7.053	11030199	18167485	47.238	49.761
4) b-BHC	6.300	7.114	4297942	7291027	44.000	45.326
5) Heptachlor	6.635	7.432	11009703	18185797	48.450	51.302
6) d-BHC	6.450	7.372	10157583	17729805	46.628	49.895
7) Aldrin	6.876	7.701	10372260	16281911	47.010	48.886
8) Heptachlo...	7.337	8.139	9644968	14814982	46.785	48.095
9) trans-Chl...	7.433	8.279	9713477	14876790	46.097	47.708
10) cis-Chlor...	7.530	8.387	9280354	14657639	45.352	49.411
11) Endosulfa...	7.627	8.439	8979900	13937641	46.335	50.156
12) 4,4'-DDE	7.591	8.489	9587532	15591931	46.499	50.480
13) Dieldrin	7.798	8.641	10106303	15456508	46.924	50.032
14) Endrin	7.963	8.871	8760024	12852951	50.631	54.701
15) 4,4'-DDD	8.012	8.906	8174776	12953622	47.348	52.698
16) Endosulfa...	8.120	9.017	7903084	12114213	46.320	49.588
17) 4,4'-DDT	8.210	9.135	8319569	12591055	50.220	53.625
18) Endrin Al...	8.411	9.254	6311493	10042387	41.221	44.912
19) Endosulfa...	8.713	9.445	7712522	11766675	48.192	53.082
20) Methoxychlor	8.547	9.612	4240624	6299339	48.963	52.967
21) Endrin Ke...	8.907	9.851	9311797	13989874	48.761	55.863
23) Hexachlor...	3.225	0.000	10542	0	0.053	N.D. #
24) Hexachlor...	5.784	6.609	13557	10176	BelowCal	0.032
25) Oxychlordane	7.272	8.062	50464	13430	0.086	0.048 #
26) 2,4'-DDE	7.337	8.279	9644968	14876790	67.641	70.643
27) trans-Non...	7.530	8.341	9280354	36989	46.466	0.120 #
28) 2,4'-DDD	0.000	8.641	0	15456508	N.D.	83.802 #
29) 2,4'-DDT	7.895	8.871	31244	12852951	0.213	62.510 #
30) cis-Nonac...	8.012	8.906	8174776	12953622	34.684	37.972
31) Mirex	8.660	9.851	32935	13989874	6722.803	74.682 #
32) Chlordane...	7.433	8.279	9713477	14876790	414.016	382.467
33) Chlordane...	7.530	8.387	9280354	14657639	322.002	456.654 #
34) Chlordane...	0.000	9.086f	0	62330	N.D.	5.870 #
35) Chlordane...	3.810	0.000	380872	0	NoCal	N.D.
36) Toxaphene...	7.530	8.641f	9280354	15456508	8811.395	5715.515
37) Toxaphene...	7.798	0.000	10106303	0	5196.940	N.D. #
38) Toxaphene...	8.120	9.017	7903084	12114213	1841.923	2018.701
39) Toxaphene...	8.331f	9.086	81614	62330	20.201	6.906 #
40) Toxaphene...	8.547f	9.254	4240624	10042387	1289.814	1999.698 #
41) Toxaphene...	8.660	9.612f	32935	6299339	7.585	1122.043 #
42) Toxaphene...	3.810	0.000	380872	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 23:02
Operator : MJB
Sample : 0A09021-CCV5
Misc : A19K133, 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: Jan 10 10:57:29 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 23:19
 Operator : MJB
 Sample : 0A09021-CCV6
 Misc : A19J408, 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: Jan 10 10:57:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/10/20

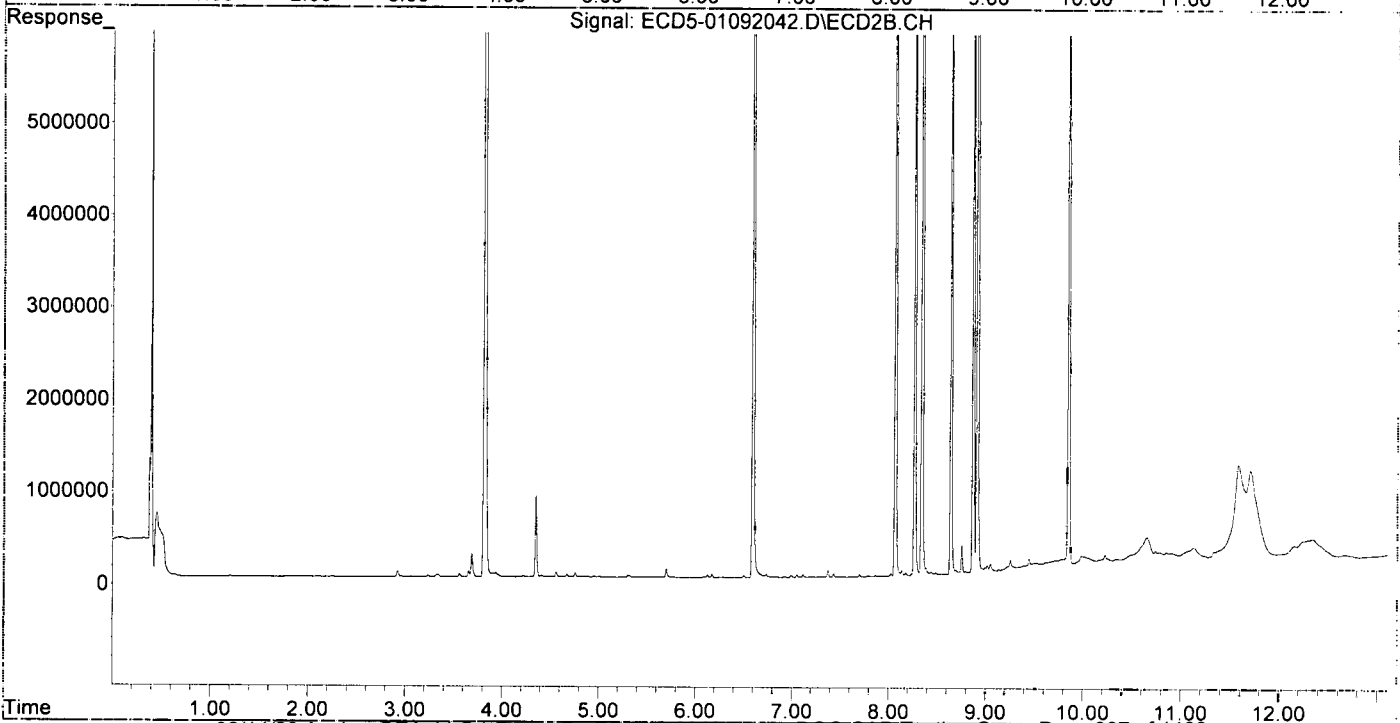
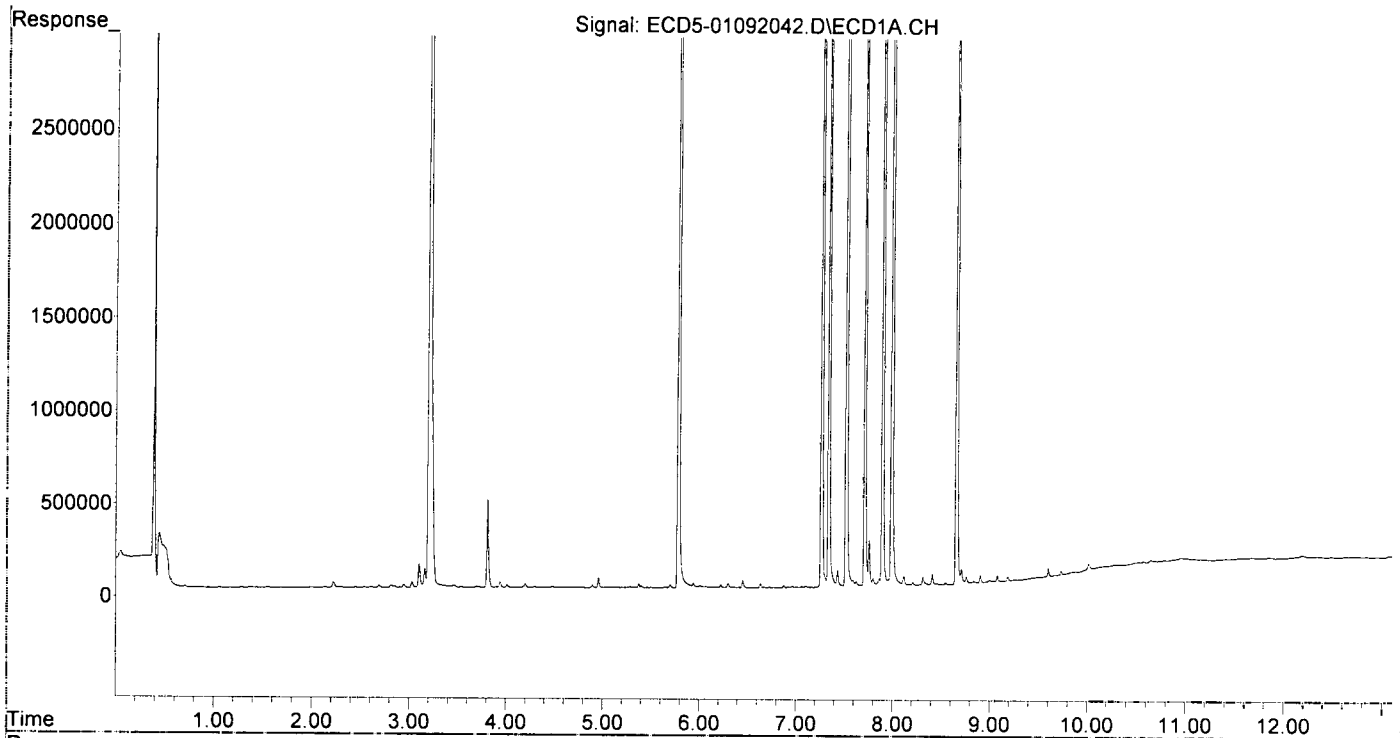
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.125	10281	24936	0.053	0.084 #
22) S DCBP (S)	9.605	10.737	45894	161706	0.151	0.909 #
Target Compounds						
2) a-BHC	5.941	6.731	23780	29405	0.090	0.071
3) g-BHC	6.224	7.052	15685	24709	0.067	0.068
4) b-BHC	6.300	7.115	21561	26899	0.052	0.167 #
5) Heptachlor	6.636	7.431	23423	34313	0.103	0.097
6) d-BHC	6.453	7.372	39753	70530	0.182	0.268 #
7) Aldrin	6.877	7.701	12658	22413	0.057	0.067
8) Heptachlo...	7.341	8.138	6853034	60003	33.242	0.195 #
9) trans-Chl...	7.433	8.267	90526	11046782	0.430	35.426 #
10) cis-Chlor...	7.522	8.385	10029741	75388	49.015	0.254 #
11) Endosulfa...	0.000	8.440	0	32038	N.D.	0.115 #
12) 4,4'-DDE	0.000	8.487	0	21403	N.D.	0.107 #
13) Dieldrin	0.000	8.642	0	9653262	N.D.	31.247 #
14) Endrin	7.993f	8.869	11617965	11827803	67.149	50.338
15) 4,4'-DDD	7.993f	8.912	11617965	17787818	67.291	72.365
16) Endosulfa...	8.118	9.017	47696	80317	0.280	0.329
17) 4,4'-DDT	8.212	9.135	16029	35090	0.097	0.194 #
18) Endrin Al...	8.412	9.254	56791	127419	0.371	0.570 #
19) Endosulfa...	0.000	9.445	0	134338	N.D.	0.606 #
20) Methoxychlor	8.548	9.614	8713	87394	0.101	0.735 #
21) Endrin Ke...	8.908	9.847	39284	9899894	0.206	39.531 #
23) Hexachlor...	3.206	3.814	9418435	19829258	47.223	49.483
24) Hexachlor...	5.784	6.595	9809181	16469993	50.739	51.452
25) Oxychlordane	7.266	8.068	9175023	14752164	52.102	52.744
26) 2,4'-DDE	7.341	8.267	6853034	11046782	48.061	52.456
27) trans-Non...	7.522	8.343	10029741	16040078	50.214	52.165
28) 2,4'-DDD	7.713	8.642	6047801	9653262	47.533	52.338
29) 2,4'-DDT	7.897	8.869	7434522	11827803	50.756	57.957
30) cis-Nonac...	7.993	8.912	11617965	17787818	49.292	52.142
31) Mirex	8.660	9.847	6636059	9899894	49.317	53.914
32) Chlordane...	7.433	8.267	90526	11046782	3.858	284.001 #
33) Chlordane...	7.522	8.385	10029741	75388	348.004	2.349 #
34) Chlordane...	8.118f	9.050	47696	94411	6.270	8.892 #
35) Chlordane...	3.809	3.814	470817	19829258	NoCal	NoCal
36) Toxaphene...	7.522	8.642f	10029741	9653262	9522.913	3569.588 #
37) Toxaphene...	0.000	8.995f	0	60509	N.D.	17.375 #
38) Toxaphene...	8.118	8.995	47696	60509	7.253	7.861
39) Toxaphene...	0.000	9.050f	0	94411	N.D.	10.460 #
40) Toxaphene...	8.548f	9.254	8713	127419	2.650	25.372 #
41) Toxaphene...	8.660	9.614f	6636059	87394	1528.215	15.567 #
42) Toxaphene...	3.809	3.814	470817	19829258	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 23:19
Operator : MJB
Sample : 0A09021-CCV6
Misc : A19J408, 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: Jan 10 10:57:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A09021\
 Data File : ECD5-01092043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 23:36
 Operator : MJB
 Sample : 0A09021-CCB3
 Misc : A19L339
 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: Jan 10 10:57:43 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

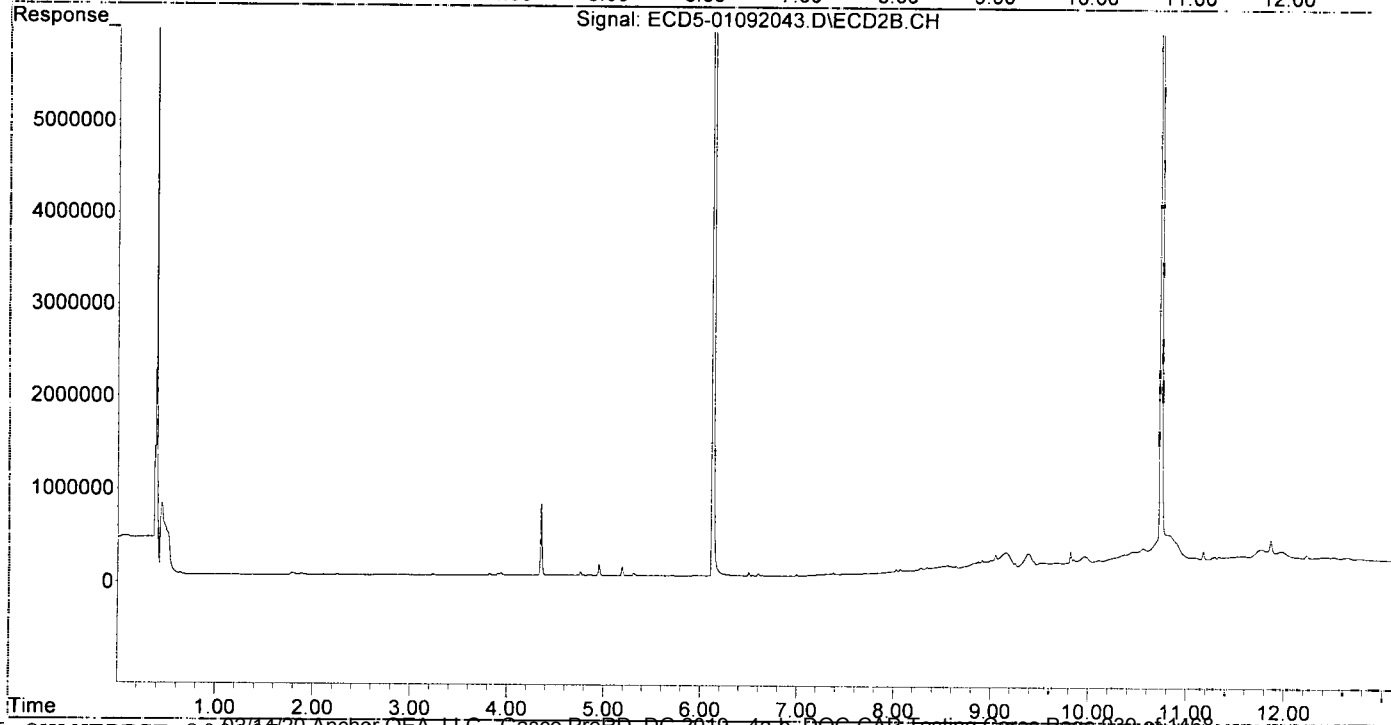
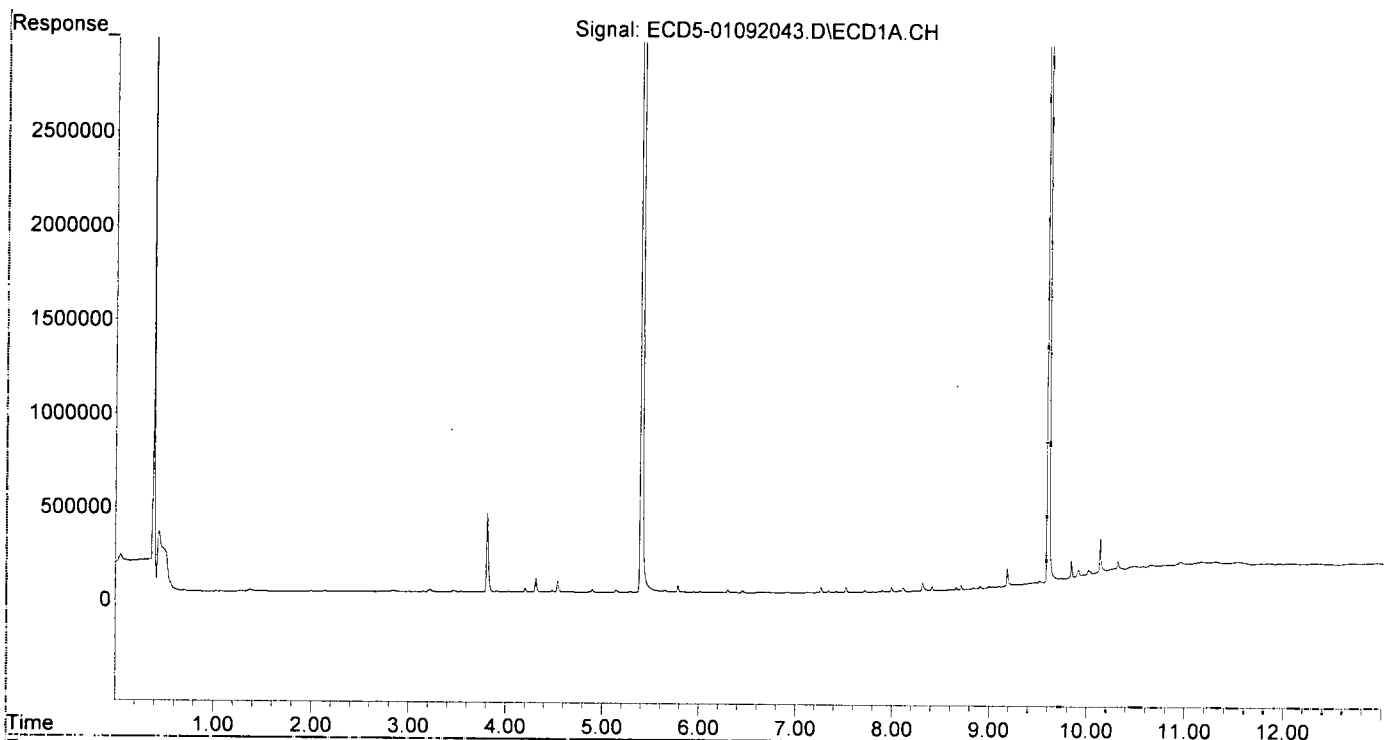
MJB
1/10/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.126	18066359	31602991	92.524	106.021
22) S DCBP (S)	9.606	10.738	14811104	18494633	100.079	103.933
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	6.300	7.116	14142	3689	5931.858	0.023 #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.454	7.373	9381	17048	0.043	0.108 #
7) Aldrin	0.000	7.704	0	7158	N.D.	0.021 #
8) Heptachlo...	7.343	0.000	11139	0	0.054	N.D. #
9) trans-Chl...	7.421	8.286	5594	22030	0.027	0.071 #
10) cis-Chlor...	7.523	0.000	26995	0	0.132	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	7.572f	0.000	1798	0	0.009	N.D. #
13) Dieldrin	7.802	8.641	2185	29142	0.010	0.094 #
14) Endrin	7.995f	8.870	22764	67320	0.132	0.287 #
15) 4,4'-DDD	7.995	8.912	22764	82096	0.132	0.334 #
16) Endosulfa...	8.114	9.020	18653	78019	0.109	0.319 #
17) 4,4'-DDT	8.216	9.158f	691	152076	0.004	0.741 #
18) Endrin Al...	8.414	9.253	22058	33971	0.144	0.152
19) Endosulfa...	8.715	9.444	22738	39404	0.142	0.178
20) Methoxychlor	8.549	0.000	1308	0	0.015	N.D. #
21) Endrin Ke...	8.909	9.850	11538	42741	0.060	0.171 #
23) Hexachlor...	3.224	3.814	12901	19284	0.065	0.048
24) Hexachlor...	5.784	6.596	36221	26227	0.032	0.082 #
25) Oxychlordane	7.267	8.069	29310	22993	BelowCal	0.082
26) 2,4'-DDE	7.343	8.286	11139	22030	0.078	0.105
27) trans-Non...	7.523	8.344	26995	30629	BelowCal	0.100
28) 2,4'-DDD	7.716	8.641	11046	29142	0.087	0.158 #
29) 2,4'-DDT	7.898	8.870	10787	67320	0.074	0.262 #
30) cis-Nonac...	7.995	8.912	22764	82096	0.097	0.241 #
31) Mirex	8.663	9.850	13064	42741	6722.951	BelowCal #
32) Chlordane...	7.421	8.286	5594	22030	0.238	0.566 #
33) Chlordane...	7.523	0.000	26995	0	0.937	N.D. #
34) Chlordane...	8.074	9.051	6509	133404	0.856	12.564 #
35) Chlordane...	3.810	3.814	423480	19284	NoCal	NoCal
36) Toxaphene...	7.523	8.641f	26995	29142	25.631	10.776 #
37) Toxaphene...	7.802	8.996f	2185	79093	1.124	22.711 #
38) Toxaphene...	8.114	8.996	18653	79093	0.303	11.489 #
39) Toxaphene...	0.000	9.051f	0	133404	N.D.	14.780 #
40) Toxaphene...	8.590	9.253	1353	33971	0.411	6.764 #
41) Toxaphene...	8.663	0.000	13064	0	3.009	N.D. #
42) Toxaphene...	3.810	3.814	423480	19284	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A09021\
Data File : ECD5-01092043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 23:36
Operator : MJB
Sample : 0A09021-CCB3
Misc : A19L339
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: Jan 10 10:57:43 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Batch 0010220

Sequence 9L16028 (A9J0861-12RE1,13RE1,14RE1,31RE1,32RE1,33RE1,
34RE1,35RE1,36RE1)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010220 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	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	
	0010220-BLK1	QC	01/06/20 13:32	11	10				100						
	0010220-BS1	QC	01/06/20 13:32	10	10	A19I221		100	100						
	A9J0718-19RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.82	10				100	PDI-097SC-B-06-08-191017	MDL. Use Custom Spike.				
	A9J0861-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.69	20				100	PDI-034SC-B-00-02-191022	MDL. Use Custom Spike.				
	A9J0861-13RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.88	20				100	PDI-034SC-B-02-04-191022	MDL. Use Custom Spike.				
	A9J0861-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.8	10				100	PDI-034SC-B-04-06-191022	MDL. Use Custom Spike.				
	A9J0861-31RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.78	20				100	PDI-083SC-B-00-02-191022	MDL. Use Custom Spike.				
	A9J0861-32RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.1	20				100	PDI-083SC-B-02-04-191022	MDL. Use Custom Spike.				
	A9J0861-33RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.34	10				100	PDI-083SC-B-04-06-191022	MDL. Use Custom Spike.				
	A9J0861-34RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.21	20				100	PDI-083SC-B-06-08-191022	MDL. Use Custom Spike.				
	A9J0861-35RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.17	10				100	PDI-099SC-B-00-02-191022	MDL. Use Custom Spike.				
	A9J0861-36RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.56	10				100	PDI-099SC-B-02-04-191022	MDL. Use Custom Spike.				
	A9J0861-36RE2	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.56	10				100	PDI-099SC-B-02-04-191022	Added 1/17/2020 By MJB				
	A9J0861-37RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.2	10				100	PDI-099SC-B-04-06-191022	MDL. Use Custom Spike.				
	A9J0861-37RE2	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.2	10				100	PDI-099SC-B-04-06-191022	Added 1/17/2020 By MJB				
	A9J0861-38RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.31	10				100	PDI-099SC-B-06-08-191022	MDL. Use Custom Spike.				
	A9J0861-38RE2	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.31	10				100	PDI-099SC-B-06-08-191022	Added 1/17/2020 By MJB				
	A9J0903-14RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.25	20				100	PDI-057SC-B-00-02-191023	MDL. Use Custom Spike.				
	A9J0903-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.39	20				100	PDI-057SC-B-02-04-191023	MDL. Use Custom Spike.				

Prepared By: _____ Date: _____

WB
Reviewed By: _____ Date: 1/20/20

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0010220 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	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
	A9J0903-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.44	20				100	PDI-057SC-B-04-06-191023	MDL. Use Custom Spike.			
	A9J0903-17RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.39	10				100	PDI-057SC-B-06-08-191023	MDL. Use Custom Spike.			
	A9J0903-31RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.88	20				100	PDI-062SC-B-00-02-191023	MDL. Use Custom Spike.			
	A9J0903-32RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.32	20				100	PDI-062SC-B-02-04-191023	MDL. Use Custom Spike.			
	A9J0903-33RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.76	10				100	PDI-062SC-B-04-06-191023	MDL. Use Custom Spike.			
	A9J0903-34RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.41	10				100	PDI-062SC-B-06-08-191023	MS/MSD, MDL. Use Custom Spike.			
	0010220-MS1	QC	01/06/20 13:32	10.42	10	A19I221	A9J0903-34RE1	100	100					
	0010220-MSD1	QC	01/06/20 13:32	10.31	10	A19I221	A9J0903-34RE1	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
A19H411	08/31/21	n-Hexane Lot# 192712	A19I221	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A19I263	03/18/20	DCM CHEM PROD. 194934						

From 0010134 on 1/8/2020 by agr

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 0010220 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

IN | OUT

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	5-11	>11
1	0010220-BLK1	QC	01/06/20 13:32	11	5/10				100		1 mL 2mL			
2	0010220-BS1	QC	01/06/20 13:32	10	5/10	A191221		100	100		1 mL 2mL			
3	A9J0718-19RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.82	5/10				100	PDI-097SC-B-06-08-191017	MDL. Use Custom Spike. 1 mL 2mL			
4	A9J0861-12RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.69	5/10 10/20				100	PDI-034SC-B-00-02-191022	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
5	A9J0861-13RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.88	5/10 10/20				100	PDI-034SC-B-02-04-191022	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
6	A9J0861-14RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.8	5/10 10/20				100	PDI-034SC-B-04-06-191022	MDL. Use Custom Spike. 1 mL 2mL			S,P
7	A9J0861-31RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.78	5/10 10/20				100	PDI-083SC-B-00-02-191022	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
8	A9J0861-32RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.1	5/10 10/20				100	PDI-083SC-B-02-04-191022	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
9	A9J0861-33RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.34	5/10				100	PDI-083SC-B-04-06-191022	MDL. Use Custom Spike. 1 mL 2mL			S,P
10	A9J0861-34RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.21	5/10 10/20				100	PDI-083SC-B-06-08-191022	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
11	A9J0861-35RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.17	5/10				100	PDI-099SC-B-00-02-191022	MDL. Use Custom Spike. 1 mL 2mL			
12	A9J0861-36RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.56	5/10				100	PDI-099SC-B-02-04-191022	MDL. Use Custom Spike. 1 mL 2mL			
13	A9J0861-37RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.2	5/10				100	PDI-099SC-B-04-06-191022	MDL. Use Custom Spike. 1 mL 2mL			S,P
14	A9J0861-38RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.31	5/10				100	PDI-099SC-B-06-08-191022	MDL. Use Custom Spike. 1 mL 2mL			
15	A9J0903-14RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.25	5/20				100	PDI-057SC-B-00-02-191023	MDL. Use Custom Spike. 0.5 mL 2mL			
16	A9J0903-15RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.39	5/20				100	PDI-057SC-B-02-04-191023	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
17	A9J0903-16RE1	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.44	5/20				100	PDI-057SC-B-04-06-191023	MDL. Use Custom Spike. 0.5 mL 2mL			S,P
18	A9J0903-17RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.39	5/10				100	PDI-057SC-B-06-08-191023	MDL. Use Custom Spike. 1 mL 2mL			S,P
19	A9J0903-31RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.88	5/20				100	PDI-062SC-B-00-02-191023	MDL. Use Custom Spike. 0.5 mL 2mL			S,P

Prepared By: cur Date: 1-8-20
 Reviewed By: AJT Date: 1/8/20 - 1/9/20
AJT 1/9/20 - 1/10/20

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0010220 (Sediment)
Prep Method: EPA 3546/3640A (GPC)

#	Lab Number	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH		
												<2	8	>11
21	A9J0903-32RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.32	820				100	PDI-062SC-B-02-04-191023	MDL. Use Custom Spike. 0.5 mL 2mL			SP
22	A9J0903-33RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.76	810				100	PDI-062SC-B-04-06-191023	MDL. Use Custom Spike. 1 mL 2mL			SP
23	A9J0903-34RE1	B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.41	810				100	PDI-062SC-B-06-08-191023	MS/MSD, MDL. Use Custom Spike. 1 mL 2mL			S
24	0010220-MS1	QC	01/06/20 13:32	10.42	810	A191221	A9J0903-34RE1	100	100		1 mL 2mL			S
25	0010220-MSD1	QC	01/06/20 13:32	10.31	810	A191221	A9J0903-34RE1	100	100		1 mL 2mL			S

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19H411	08/31/21	n-Hexane Lot# 192712	A191221	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A19I263	03/18/20	DCM CHEM PROD. 194934						

From 0010134 on 1/8/2020 by agr

S=staining on turbidap tube during solvent exchange. ADD 1/9/20

P=precipitate formed during solvent exchange. ADD 1/9/20

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0010134 (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	
1	0010134-BLK1	QC	01/06/20 13:32	10.11	5				100						
2	0010134-BSI	QC	01/06/20 13:32	10	5	A191221		100	100						
3	A9J0718-19	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.82	5				100	PDI-097SC-B-06-08-191017	MDL. Use Custom Spike. Mud				
4	A9J0861-12	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.69	5				100	PDI-034SC-B-00-02-191022	MDL. Use Custom Spike. Mud odor				
5	A9J0861-13	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.88	5				100	PDI-034SC-B-02-04-191022	MDL. Use Custom Spike. Mud odor				
6	A9J0861-14	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.80	5				100	PDI-034SC-B-04-06-191022	MDL. Use Custom Spike. dirt				
7	A9J0861-31	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.78	5				100	PDI-083SC-B-00-02-191022	MDL. Use Custom Spike. Mud odor				
8	A9J0861-32	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.10	5				100	PDI-083SC-B-02-04-191022	MDL. Use Custom Spike. Mud				
9	A9J0861-33	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.34	5				100	PDI-083SC-B-04-06-191022	MDL. Use Custom Spike. Mud				
10	A9J0861-34	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.21	5				100	PDI-083SC-B-06-08-191022	MDL. Use Custom Spike. Mud				
11	A9J0861-35	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.17	5				100	PDI-099SC-B-00-02-191022	MDL. Use Custom Spike. Mud				
12	A9J0861-36	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.56	5				100	PDI-099SC-B-02-04-191022	MDL. Use Custom Spike. Mud				
13	A9J0861-37	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.20	5				100	PDI-099SC-B-04-06-191022	MDL. Use Custom Spike. Mud				
14	A9J0861-38	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.31	5				100	PDI-099SC-B-06-08-191022	MDL. Use Custom Spike. Mud				
15	A9J0903-14	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.25	5				100	PDI-057SC-B-00-02-191023	MDL. Use Custom Spike. Mud				
16	A9J0903-15	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.39	5				100	PDI-057SC-B-02-04-191023	MDL. Use Custom Spike. Mud odor				
17	A9J0903-16	A 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.41	5				100	PDI-057SC-B-04-06-191023	MDL. Use Custom Spike. Mud				
18	A9J0903-17	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.39	5				100	PDI-057SC-B-06-08-191023	MDL. Use Custom Spike. Mud				
19	A9J0903-31	A B 8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.88	5				100	PDI-062SC-B-00-02-191023	MDL. Use Custom Spike. Mud				

Prepared By: SWH Date: 1/6/20

Reviewed By: CAS Date: 01/06/2020

Apex Laboratories
PREPARATION BENCH SHEET
BATCH #: 0010134 (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
20	A9J0903-32	8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.32	5 ✓				100	PDI-062SC-B-02-04-191023	MDL. Use Custom Spike. <i>Mud</i>			
21	A9J0903-33	8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.76	5 ✓				100	PDI-062SC-B-04-06-191023	MDL. Use Custom Spike. <i>Mud</i>			
22	A9J0903-34	8081B 2,4+4,4-DDx Only (+Add)	01/06/20 13:32	10.41	5 ✓				100	PDI-062SC-B-06-08-191023	MS/MSD, MDL. Use Custom Spike. <i>Mud</i>			
23	0010134-MS1	QC	01/06/20 13:32	10.42	5 ✓	A19I221	A9J0903-34	100	100					
24	0010134-MSD1	QC	01/06/20 13:32	10.31	5 ✓	A19I221	A9J0903-34	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	A19I221	03/18/20	2,4 + 4,4 DDx Pesticide Matrix Spike	A19L272	06/20/20	8082 PCB Surrogate Spike
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19L136	06/06/20	Sodium Sulfate Lot # 194950						

Method 3546 digestion time and temperture achieved.

Initial: *am*

Witness: *CAH* 01/06/20

** = Staining On TurboVaps*

Prepared By: _____ Date _____

Reviewed By: _____ Date _____



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A16028**

Instrument: **DUALECD5**

Date: **01/16/20 10:42**

Calibration: **A0A0906**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A16028-BKD1	Sediment	QC	QC				
2	0A16028-CCV1	Sediment	QC	QC				A20A019
3	0A16028-CCV2	Sediment	QC	QC				A19K133
4	0A16028-CCB1	Sediment	QC	QC				A19J408
5	0010220-BLK1	Sediment	QC	QC				A19L339
6	0010220-BS1	Sediment	QC	QC		0010220		
7	A9J0861-14RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
8	A9J0861-35RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
9	0A16028-IBL1	Sediment	QC	QC				
10	A9J0718-12RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/09/20	0010165		
11	0A16028-IBL2	Sediment	QC	QC				
12	A9J0718-13RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/09/20	0010165		
13	0A16028-IBL3	Sediment	QC	QC				
14	A9J0718-17RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/09/20	0010165		
15	0A16028-IBL4	Sediment	QC	QC				
16	A9J0718-18RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/09/20	0010165		
17	0A16028-IBL5	Sediment	QC	QC				
18	0010165-MS1	Sediment	QC	QC		0010165		
19	0A16028-IBL6	Sediment	QC	QC				
20	0010165-MSD1	Sediment	QC	QC		0010165		
21	0A16028-IBL7	Sediment	QC	QC				
22	0A16028-CCV3	Sediment	QC	QC				A19K134
23	0A16028-CCV4	Sediment	QC	QC				A19J409
24	0A16028-CCB2	Sediment	QC	QC				A19L339
25	A9J0718-19RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
26	0A16028-IBL8	Sediment	QC	QC				
27	A9J0861-12RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
28	0A16028-IBL9	Sediment	QC	QC				
29	A9J0861-13RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
30	0A16028-IBLA	Sediment	QC	QC				
31	A9J0861-31RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
32	0A16028-IBLB	Sediment	QC	QC				
33	A9J0861-32RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
34	0A16028-IBLC	Sediment	QC	QC				
35	A9J0861-33RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
36	0A16028-IBLD	Sediment	QC	QC				
37	A9J0861-34RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
38	0A16028-IBLE	Sediment	QC	QC				
39	A9J0861-36RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
40	0A16028-IBLF	Sediment	QC	QC				
41	A9J0861-37RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
42	0A16028-IBLG	Sediment	QC	QC				
43	A9J0861-38RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
44	0A16028-IBLH	Sediment	QC	QC				
45	0A16028-CCV5	Sediment	QC	QC				A19K133
46	0A16028-CCV6	Sediment	QC	QC				A19J408
47	0A16028-CCB3	Sediment	QC	QC				A19L339
48	0A16028-IBLI	Sediment	QC	QC				

Sequence: 0A16028

Instrument: DUALECD5

Date: 01/16/20 10:42

Calibration: A0A0906

#	<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: MJB 1/17/20

Comments:

Data Reviewed By: MV 1/20/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0A16028 BKD1
Data File: ECD5-01162003.D

First Column Area Counts		Percent Breakdown	
DDE	670739		
DDD	5933445		
DDT	156972714	4.04	PASS
Endrin	88193786	6.14	PASS
Endrin Aldehyde	1803363		
Endrin Ketone	3969727		

Second Column Area Counts		Percent Breakdown	
DDE	944318		
DDD	10453085		
DDT	252342556	4.32	PASS
Endrin	136106217	5.28	PASS
Endrin Aldehyde	2545444		
Endrin Ketone	5047275		

Breakdown must be less than 15% to accept sample data.

*MJB
1/16/20*

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\4\data\2020-01\0A16028\
 Data File : ECD5-01162003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 11:29
 Operator : MJB
 Sample : 0A16028-BKD1
 Misc : A20A019
 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: Jan 16 15:33:38 2020
 Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
 Quant Title : Pesticides
 QLast Update : Thu Aug 21 11:53:22 2014
 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	670739	NoCal	ng/mL
2) Endrin	7.955	88193786	NoCal	ng/mL
3) 4,4'-DDD	8.007	5933445	NoCal	ng/mL
4) 4,4'-DDT	8.203	156972714	NoCal	ng/mL
5) Endrin Aldehyde	8.402	1803363	NoCal	ng/mL
6) Endrin Ketone	8.897	3969727	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.482	944318	NoCal	ng/mL
9) Endrin [2C]	8.863	136106217	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.900	10453085	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.247	2545444	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.129	252342556	NoCal	ng/mL
13) Endrin Ketone [2C]	9.843	5047275	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

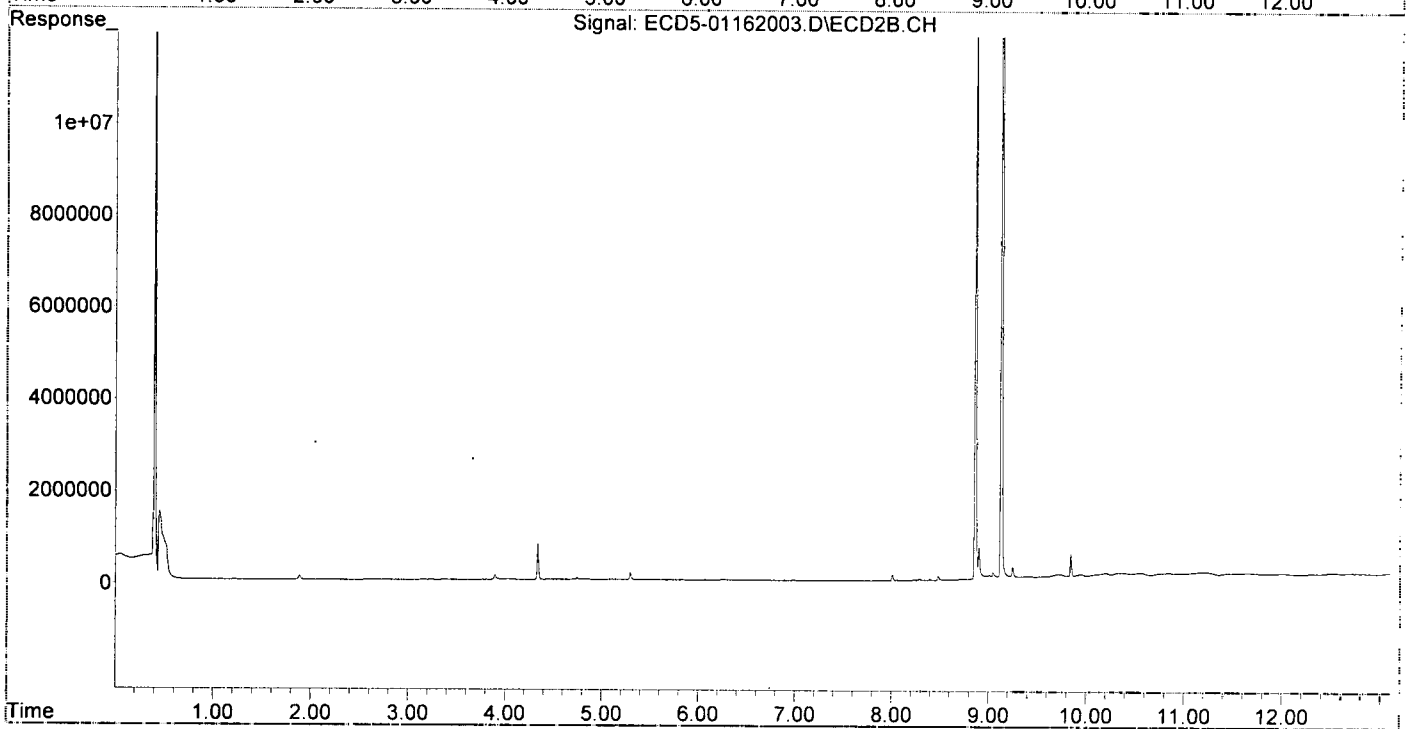
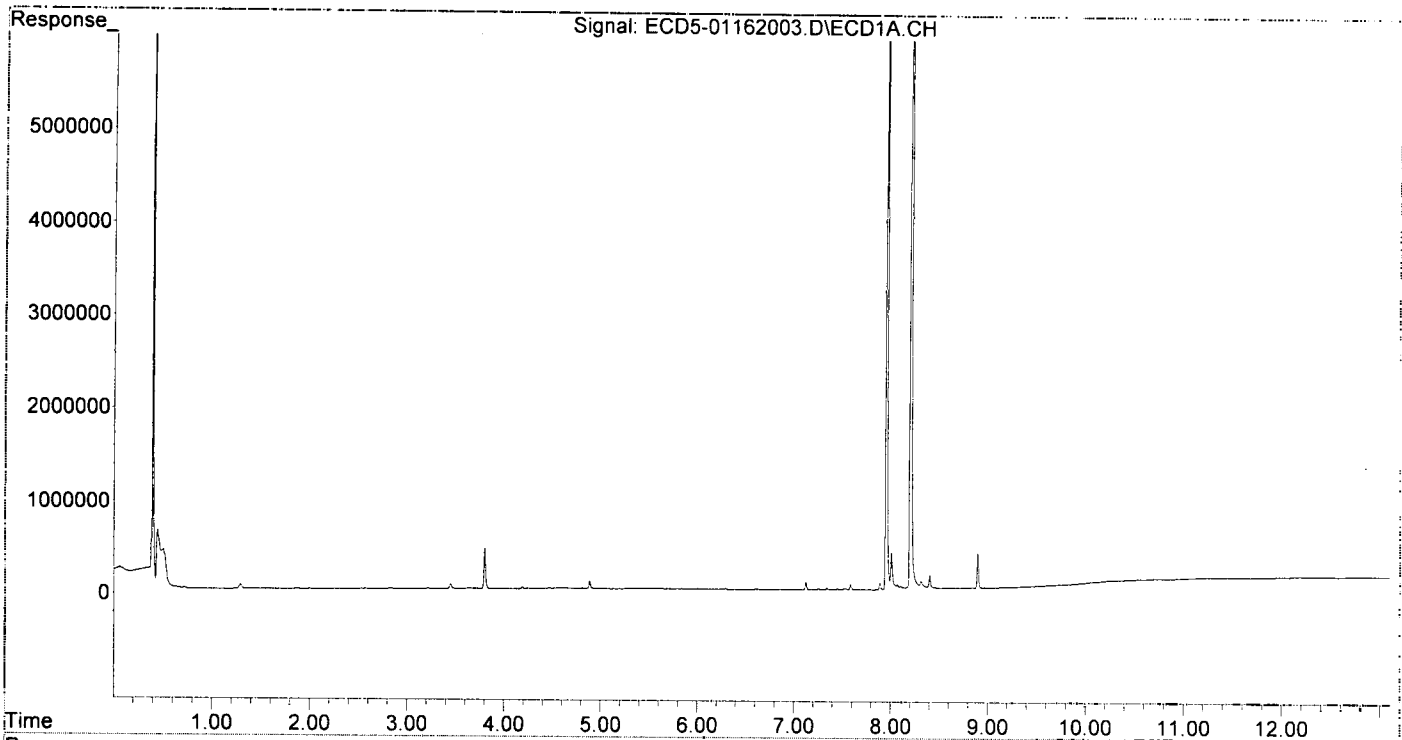
(m)=manual int.

MJB
1/16/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\4\data\2020-01\0A16028\
Data File : ECD5-01162003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 11:29
Operator : MJB
Sample : 0A16028-BKD1
Misc : A20A019
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: Jan 16 15:33:38 2020
Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
Quant Title : Pesticides
QLast Update : Thu Aug 21 11:53:22 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 11:46
 Operator : MJB
 Sample : 0A16028-CCV1
 Misc : A19K133, 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: Jan 16 15:37:39 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/16/20

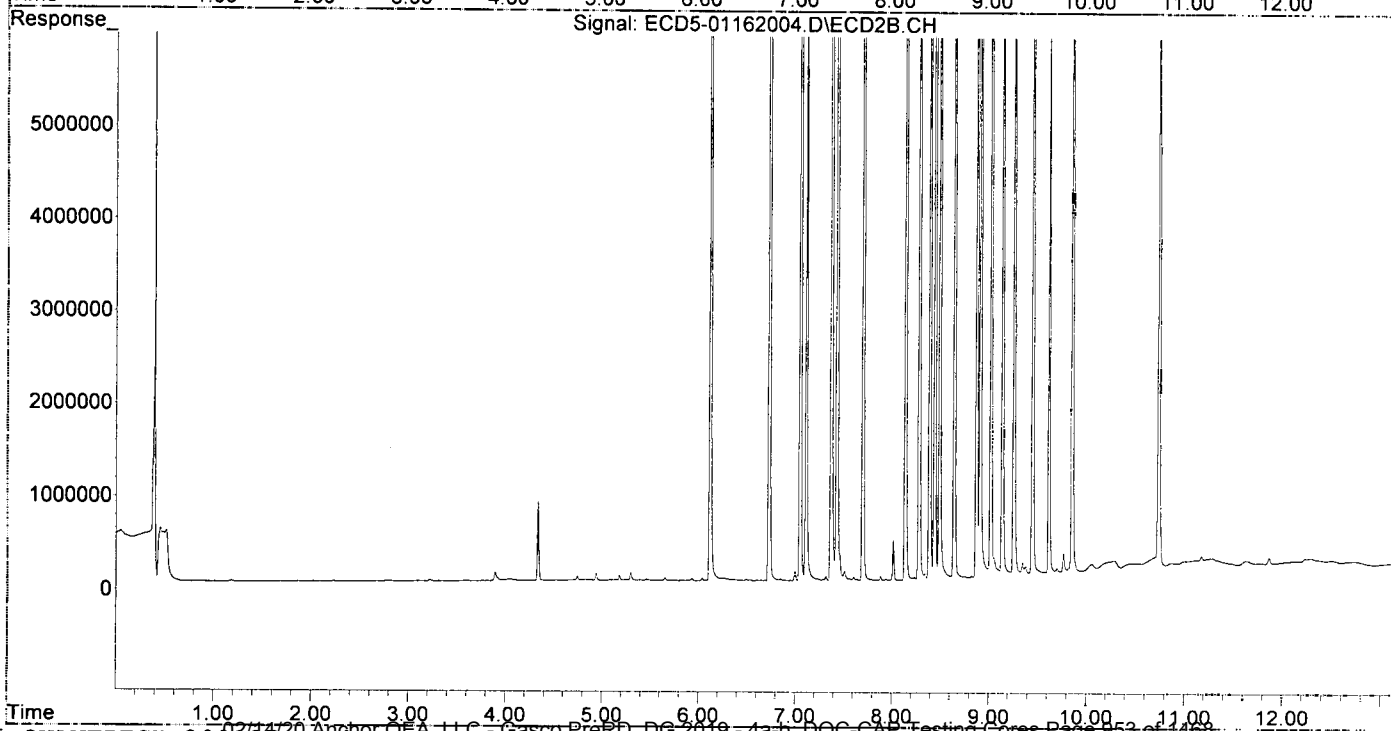
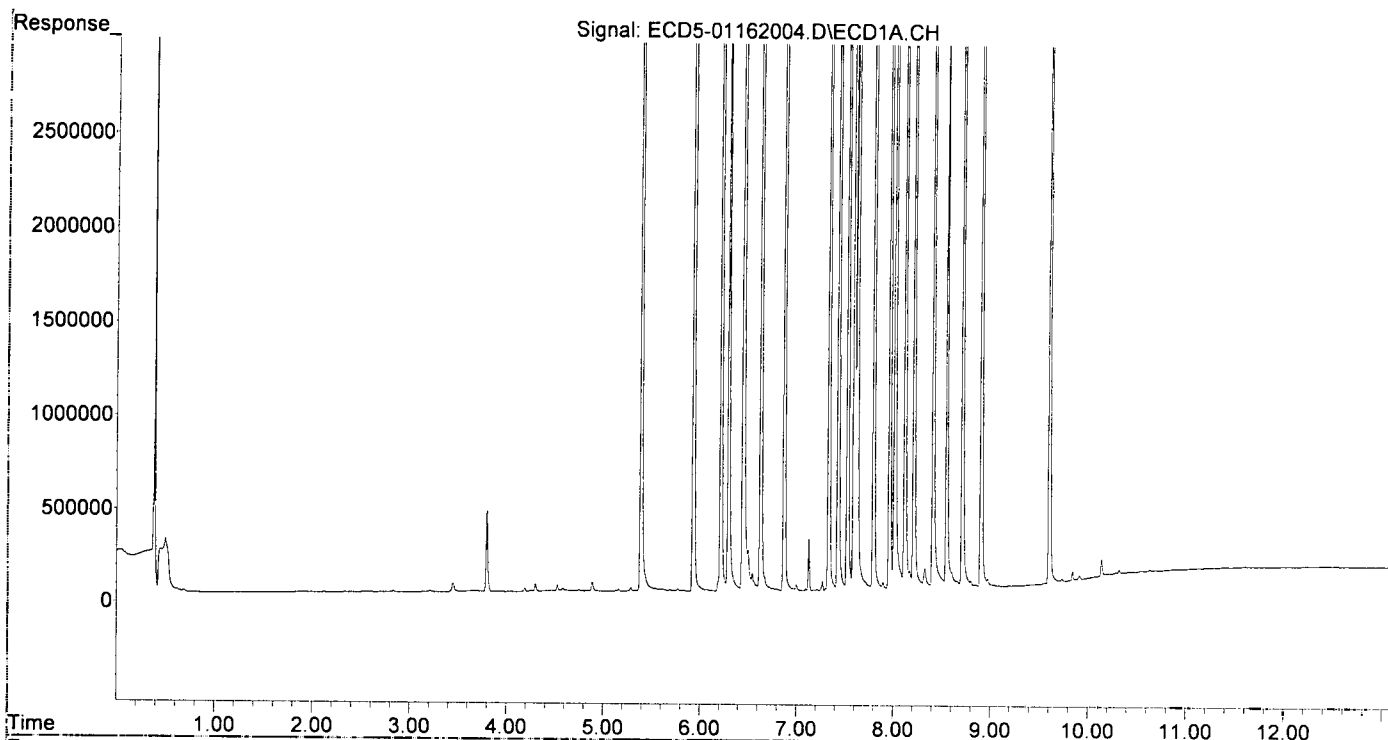
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.390	6.118	8953778	15628365	45.855	52.429
22) S DCBP (S)	9.605	10.738	6923136	8656188	46.386	48.645
Target Compounds						
2) a-BHC	5.930	6.729	13164542	23480497	50.024	56.860
3) g-BHC	6.216	7.049	11303571	20100070	48.409	55.054
4) b-BHC	6.294	7.112	3938398	7593162	40.280	47.205
5) Heptachlor	6.628	7.429	11186210	19956929	49.227	56.298
6) d-BHC	6.445	7.370	9217459	19110248	42.313	53.557
7) Aldrin	6.870	7.699	10543170	18317146	47.785	54.997
8) Heptachlo...	7.332	8.138	9556219	16489370	46.355	53.531
9) trans-Chl...	7.429	8.279	9712143	16650394	46.091	53.396
10) cis-Chlor...	7.526	8.387	9649074	15812913	47.154	53.305
11) Endosulfa...	7.623	8.439	9049571	15314183	46.695	55.110
12) 4,4'-DDE	7.590	8.489	9171338	16105894	44.481	52.047
13) Dieldrin	7.795	8.641	10357489	16994063	48.090	55.009
14) Endrin	7.961	8.871	9154618	13994964	52.911	59.562
15) 4,4'-DDD	8.013	8.908	7420819	13358678	42.981	54.346
16) Endosulfa...	8.118	9.018	7891951	13246458	46.255	54.222
17) 4,4'-DDT	8.210	9.136	7722604	13030916	46.617	55.336
18) Endrin Al...	8.409	9.255	6509907	10768604	42.517	48.159
19) Endosulfa...	8.711	9.447	7873199	12808210	49.196	57.781
20) Methoxychlor	8.549	9.615	3716755	6170596	42.915	51.884
21) Endrin Ke...	8.906	9.852	9067132	14597176	47.479	58.288
23) Hexachlor...	3.208	0.000	7980	0	0.040	N.D. #
24) Hexachlor...	5.772	6.605f	14106	9053	BelowCal	0.028
25) Oxychlorane	7.267	0.000	49984	0	0.083	N.D. #
26) 2,4'-DDE	7.332	8.279f	9556219	16650394	67.018	79.065
27) trans-Non...	7.526	8.340	9649074	60803	48.310	0.198 #
28) 2,4'-DDD	0.000	8.641	0	16994063	N.D.	92.139 #
29) 2,4'-DDT	7.894	8.871	37896	13994964	0.259	67.510 #
30) cis-Nonac...	7.961	8.908	9154618	13358678	38.841	39.159
31) Mirex	0.000	9.852	0	14597176	N.D.	77.697 #
32) Chlordane...	7.429	8.279	9712143	16650394	413.959	428.064
33) Chlordane...	7.526	8.387	9649074	15812913	334.796	492.646 #
34) Chlordane...	8.118f	9.052	7891951	206797	1037.379	19.477 #
35) Chlordane...	3.795f	0.000	436389	0	NoCal	N.D.
36) Toxaphene...	7.526	8.641f	9649074	16994063	9161.482	6284.073
37) Toxaphene...	7.795	0.000	10357489	0	5326.107	N.D. #
38) Toxaphene...	8.118	9.018	7891951	13246458	1839.383	2181.905
39) Toxaphene...	8.328f	9.052f	105262	206797	26.055	22.912
40) Toxaphene...	8.549f	9.255	3716755	10768604	1130.476	2144.306 #
41) Toxaphene...	0.000	9.615	0	6170596	N.D.	1099.112 #
42) Toxaphene...	3.795	0.000	436389	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 11:46
Operator : MJB
Sample : 0A16028-CCV1
Misc : A19K133, 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: Jan 16 15:37:39 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 12:03
 Operator : MJB
 Sample : 0A16028-CCV2
 Misc : A19J408, 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: Jan 16 15:37:46 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
1/16/20*

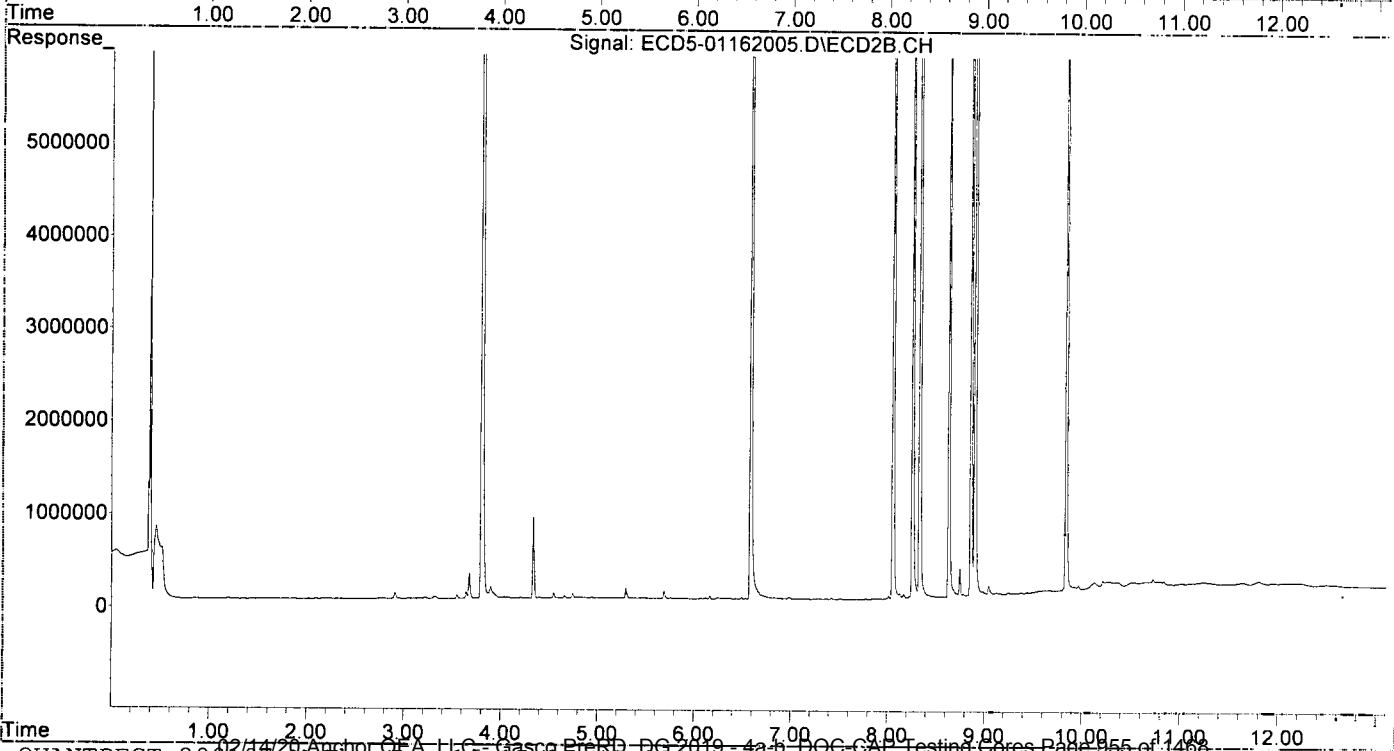
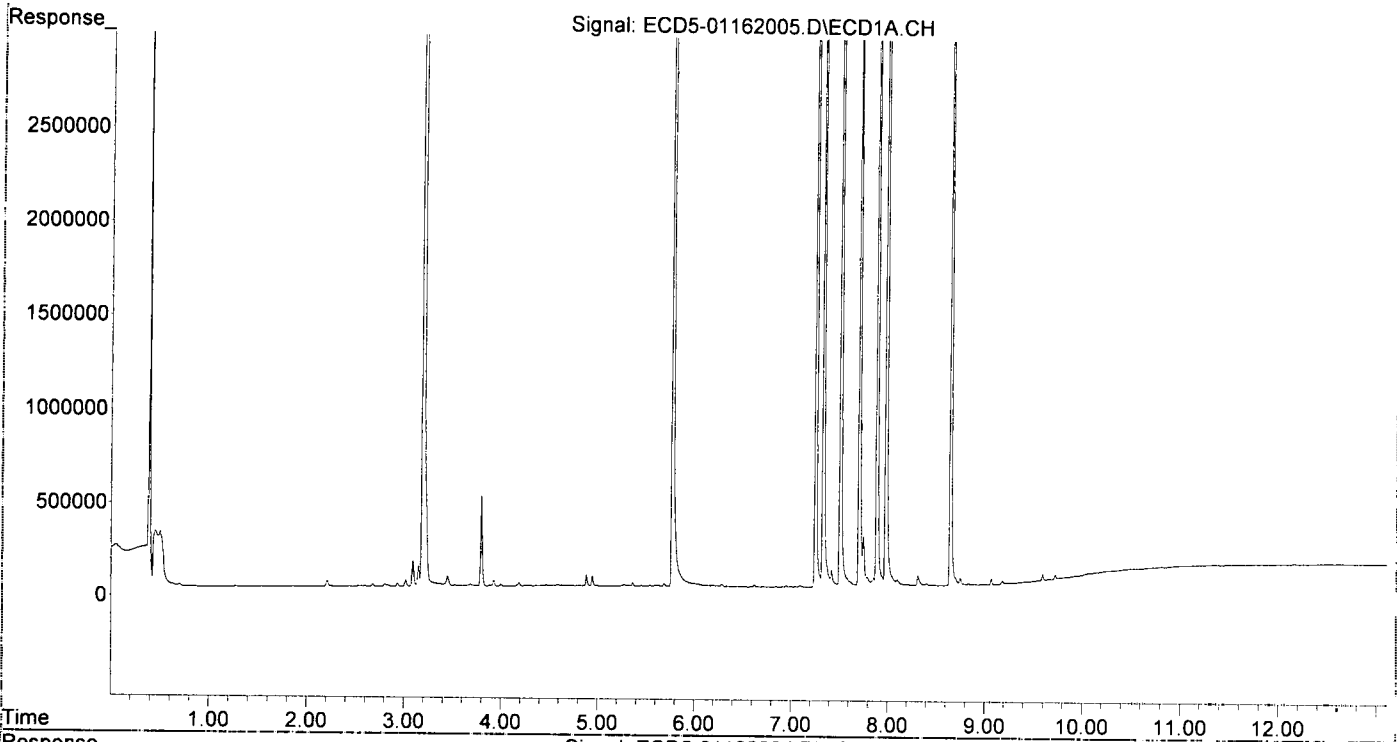
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.361f	6.115	22962	10638	0.118	0.036 #
22) S DCBP (S)	9.595	10.727	41266	70985	0.120	0.399 #
Target Compounds						
2) a-BHC	0.000	6.696f	0	36660	N.D.	0.089 #
3) g-BHC	6.189f	0.000	10512	0	0.045	N.D. #
4) b-BHC	6.282	7.107	15189	2690	5931.847	0.017 #
5) Heptachlor	6.622	7.421	11771	14969	0.052	0.042
6) d-BHC	6.444	7.364	5297	8089	0.024	0.082 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.331	8.128	5989042	53651	29.051	0.174 #
9) trans-Chl...	7.421	8.259	91438	10537709	0.434	33.793 #
10) cis-Chlor...	7.510	0.000	9471568	0	46.287	N.D. #
11) Endosulfa...	0.000	8.432	0	23345	N.D.	0.084 #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	0.000	8.634	0	9242080	N.D.	29.916 #
14) Endrin	7.981f	8.861	11004047	10927202	63.601	46.506
15) 4,4'-DDD	7.981f	8.903	11004047	18243215	63.735	74.218
16) Endosulfa...	8.100	9.046f	33297	98309	0.195	0.402 #
17) 4,4'-DDT	0.000	9.127	0	17036	N.D.	0.109 #
18) Endrin Al...	8.402	9.247	9916	13166	0.065	0.059
19) Endosulfa...	8.750f	9.438	37996	10267	0.237	0.046 #
20) Methoxychlor	0.000	9.608	0	12909	N.D.	0.109 #
21) Endrin Ke...	8.896	9.838	6133	9738067	0.032	38.885 #
23) Hexachlor...	3.192	3.801	10074630	21594255	50.513	53.888
24) Hexachlor...	5.771	6.585	8528744	15711506	44.098	49.083
25) Oxychlordane	7.254	8.058	8657238	14683504	49.168	52.499
26) 2,4'-DDE	7.331	8.259	5989042	10537709	42.001	50.039
27) trans-Non...	7.510	8.334	9471568	15775749	47.423	51.305
28) 2,4'-DDD	7.704	8.634	5304394	9242080	41.690	50.109
29) 2,4'-DDT	7.886	8.861	6563258	10927202	44.808	53.904
30) cis-Nonac...	7.981	8.903	11004047	18243215	46.688	53.477
31) Mirex	8.648	9.838	6634064	9738067	49.302	53.075
32) Chlordane...	7.421	8.259f	91438	10537709	3.897	270.914 #
33) Chlordane...	7.510f	0.000	9471568	0	328.637	N.D. #
34) Chlordane...	8.100f	9.046	33297	98309	4.377	9.259 #
35) Chlordane...	3.794f	3.801	484285	21594255	NoCal	NoCal
36) Toxaphene...	7.510	8.634	9471568	9242080	8992.947	3417.541 #
37) Toxaphene...	0.000	8.985	0	40991	N.D.	11.770 #
38) Toxaphene...	8.100	8.985	33297	40991	3.808	4.049
39) Toxaphene...	0.000	9.046f	0	98309	N.D.	10.892 #
40) Toxaphene...	0.000	9.247	0	13166	N.D.	2.622 #
41) Toxaphene...	8.648	9.608f	6634064	12909	1527.756	2.299 #
42) Toxaphene...	3.794	3.801	484285	21594255	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 12:03
Operator : MJB
Sample : 0A16028-CCV2
Misc : A19J408, 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: Jan 16 15:37:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 12:20
 Operator : MJB
 Sample : 0A16028-CCB1
 Misc : A19L339
 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: Jan 16 15:37:52 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/16/20

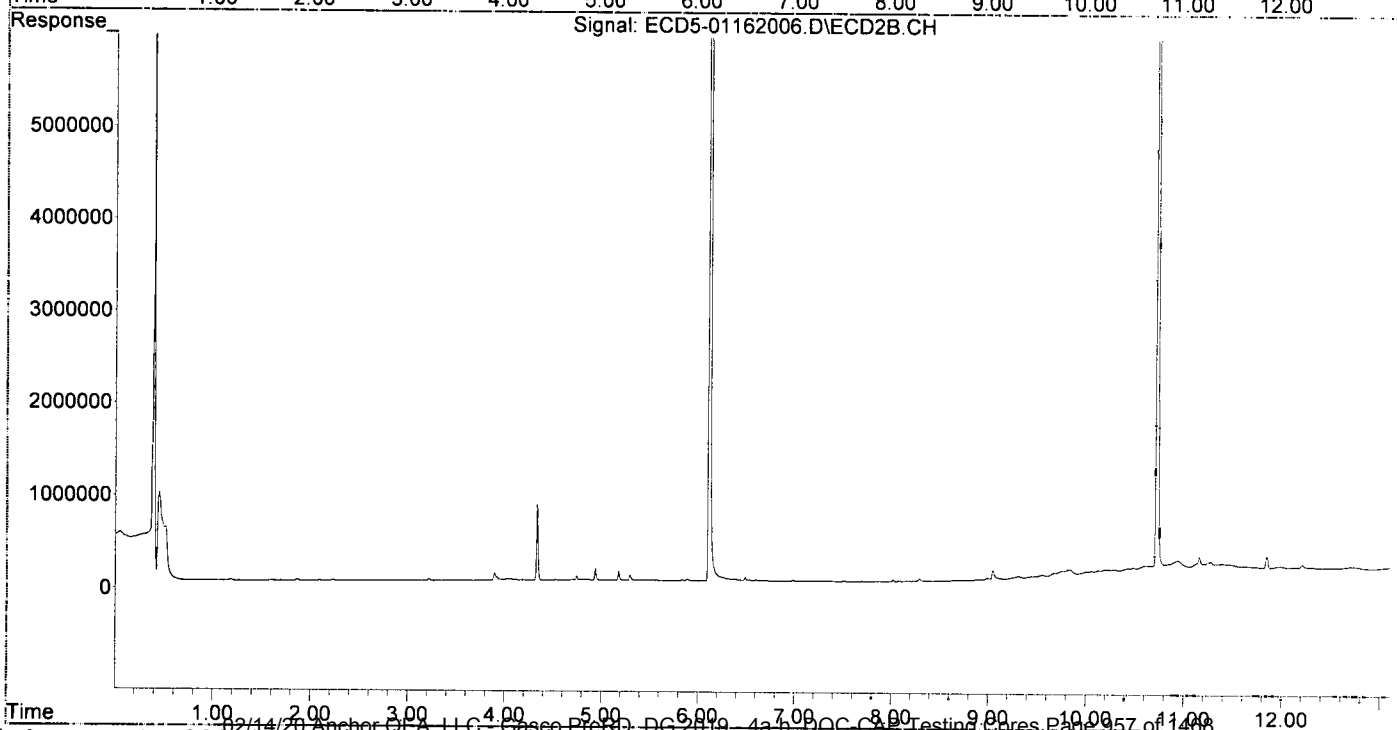
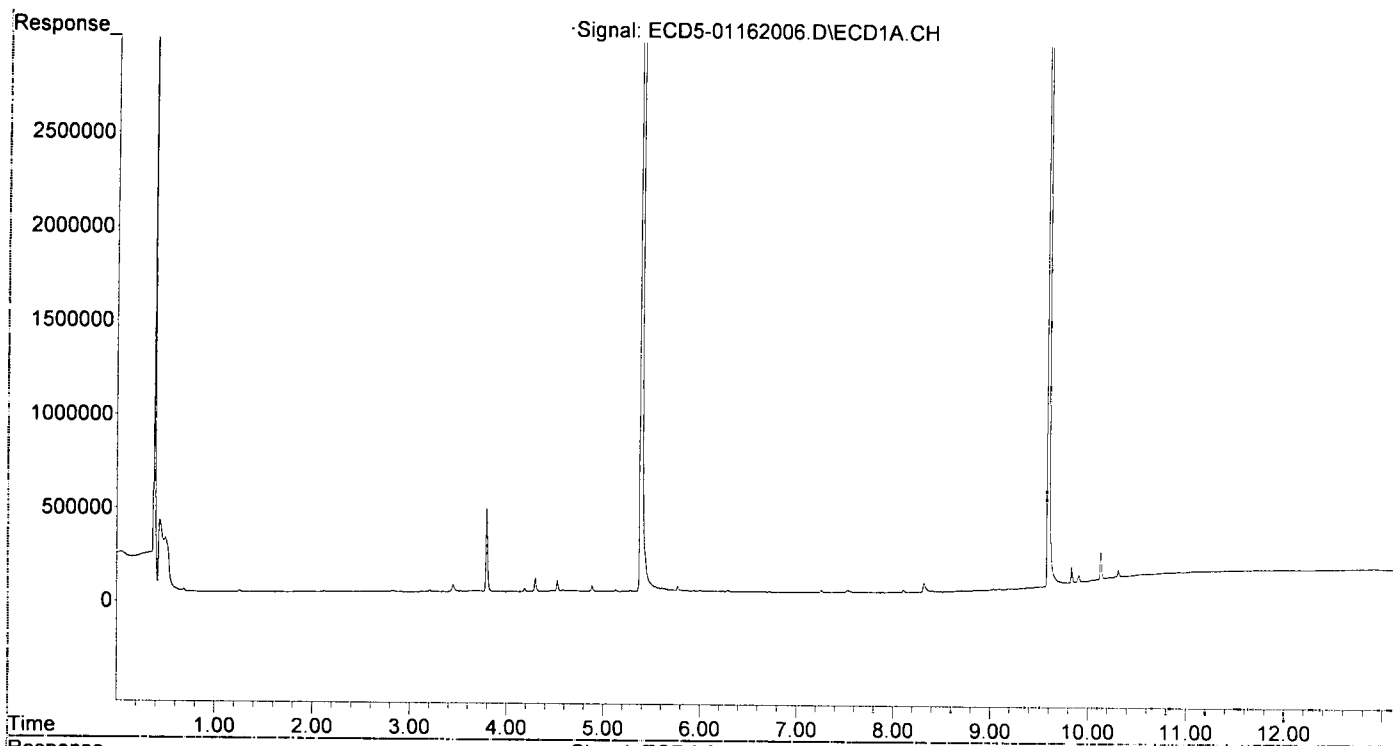
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.115	16816976	30254789	86.126	101.498
22) S DCBP (S)	9.596	10.727	13332720	16713061	89.960	93.922
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.288	0.000	9271	0	5931.908	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	8.290	0	25148	N.D.	0.081 #
10) cis-Chlor...	7.531	0.000	10849	0	0.053	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...	8.105	8.989f	14116	18717	0.083	0.077
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.402	9.249	8563	9390	0.056	0.042
19) Endosulfa...	8.705	9.439	4754	8514	0.030	0.038
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.899	9.838	2241	51806	0.012	0.207 #
23) Hexachlor...	3.205	0.000	10029	0	0.050	N.D. #
24) Hexachlor...	5.770	6.602	24423	7599	BelowCal	0.024
25) Oxychlorane	7.257	0.000	13203	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.290f	0	25148	N.D.	0.119 #
27) trans-Non...	7.531f	0.000	10849	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	8.651	9.838	2630	51806	6723.028	0.030 #
32) Chlordane...	0.000	8.290	0	25148	N.D.	0.647 #
33) Chlordane...	7.531	0.000	10849	0	0.376	N.D. #
34) Chlordane...	8.105f	9.048	14116	94173	1.855	8.869 #
35) Chlordane...	3.792f	0.000	444841	0	NoCal	N.D.
36) Toxaphene...	7.531	0.000	10849	0	10.300	N.D. #
37) Toxaphene...	0.000	8.989f	0	18717	N.D.	5.375 #
38) Toxaphene...	8.105	8.989	14116	18717	BelowCal	BelowCal
39) Toxaphene...	0.000	9.048f	0	94173	N.D.	10.434 #
40) Toxaphene...	0.000	9.249	0	9390	N.D.	1.870 #
41) Toxaphene...	8.651	0.000	2630	0	0.606	N.D. #
42) Toxaphene...	3.792	0.000	444841	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 12:20
Operator : MJB
Sample : 0A16028-CCB1
Misc : A19L339
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: Jan 16 15:37:52 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 12:37
 Operator : MJB
 Sample : 0010220-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: Jan 16 15:44:20 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/16/20

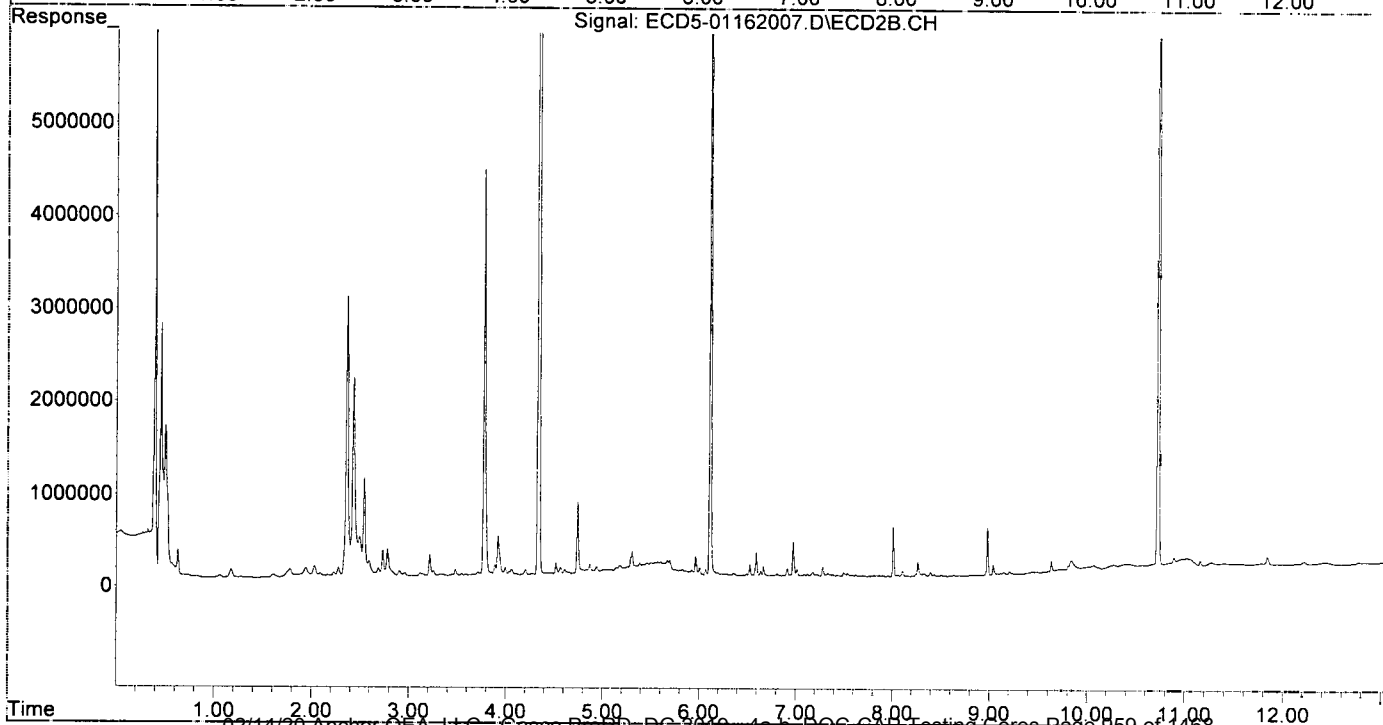
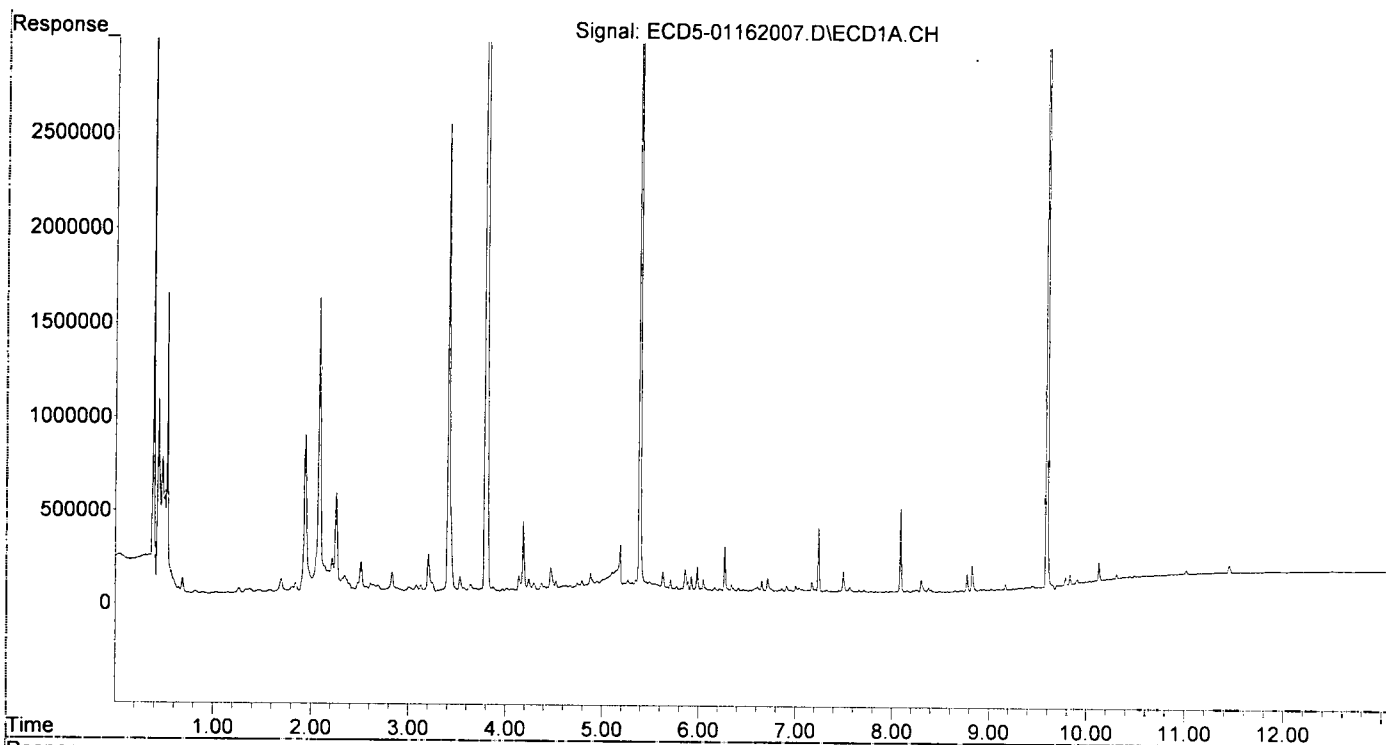
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.114	5839531	10143209	29.906	34.028
22) S DCBP (S)	9.592	10.725	7793088	9274423	52.272	52.119
Target Compounds						
2) a-BHC	5.923	0.000	85855	0	0.326	N.D. #
3) g-BHC	6.216	7.015f	20375	73700	0.087	0.202 #
4) b-BHC	6.269f	7.121	246195	20762	2.345	0.129 #
5) Heptachlor	6.608	7.428	29387	13912	0.129	0.039 #
6) d-BHC	6.459	7.358	15327	18758	0.070	0.114 #
7) Aldrin	6.861	7.696	20275	11486	0.092	0.034 #
8) Heptachlo...	7.324	8.151	11209	9350	0.054	0.030 #
9) trans-Chl...	7.448f	8.265	10910	158044	0.052	0.507 #
10) cis-Chlor...	7.497f	8.395	112280	47041	0.549	0.159 #
11) Endosulfa...	7.659f	8.434	12898	21131	0.067	0.076
12) 4,4'-DDE	7.563f	8.505	26647	16029	0.129	0.088
13) Dieldrin	7.784	8.633	5563	10105	0.026	0.033
14) Endrin	7.984f	8.888	5155	4833	0.030	0.021
15) 4,4'-DDD	7.984f	8.890	5155	5102	0.030	0.021m
16) Endosulfa...	8.089f	9.040f	445217	111707	2.609	0.457 #
17) 4,4'-DDT	8.219	9.148	9986	26444	0.060	0.153 #
18) Endrin Al...	8.378f	0.000	23320	0	0.152	N.D. #
19) Endosulfa...	8.704	9.437	7193	16171	0.045	0.073 #
20) Methoxychlor	0.000	9.608	0	19419	N.D.	0.163 #
21) Endrin Ke...	8.912	9.838	11195	119402	0.059	0.477 #
23) Hexachlor...	3.205	3.774f	207612	4384358	1.041	10.941 #
24) Hexachlor...	5.769	6.593	32660	250847	0.014	0.784 #
25) Oxychlorane	7.241	8.052	341740	14590	1.756	0.052 #
26) 2,4'-DDE	7.324	8.265	11209	158044	0.079	0.750 #
27) trans-Non...	7.497	8.331	112280	33330	0.410	0.108 #
28) 2,4'-DDD	7.709	8.633	11638	10105	0.091	0.055 #
29) 2,4'-DDT	0.000	8.888f	0	4833	N.D.	BelowCal
30) cis-Nonac...	7.984	8.888	5155	4833	0.022	0.014
31) Mirex	8.649	9.838	6826	119402	6722.997	0.422 #
32) Chlordane...	7.448	8.265	10910	158044	0.465	4.063 #
33) Chlordane...	7.497f	8.395	112280	47041	3.896	1.466 #
34) Chlordane...	8.089	9.040	445217	111707	58.523	10.521 #
35) Chlordane...	3.793f	3.774f	10620908	4384358	NoCal	NoCal
36) Toxaphene...	7.497	8.633	112280	10105	106.606	3.736 #
37) Toxaphene...	7.784f	8.982	5563	516205	2.861	148.226 #
38) Toxaphene...	8.089f	8.982f	445217	516205	102.246	96.171
39) Toxaphene...	8.378f	9.092	23320	9809	5.772	1.087 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.649	9.636	6826	128390	1.572	22.869 #
42) Toxaphene...	3.793	3.774f	10620908	4384358	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 12:37
Operator : MJB
Sample : 0010220-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

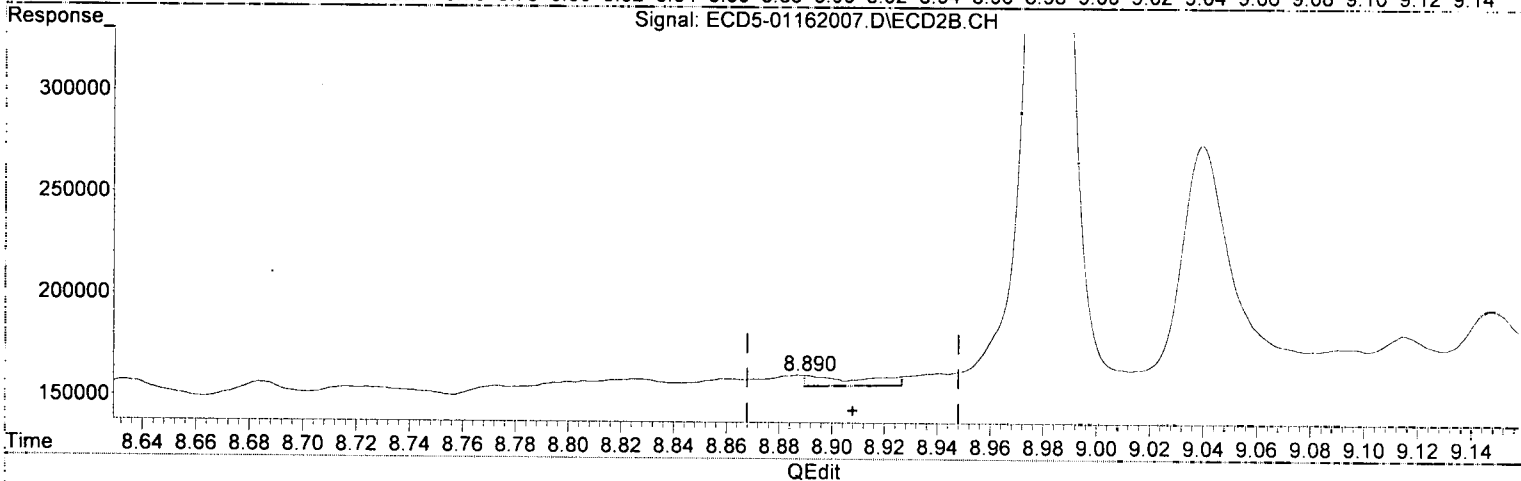
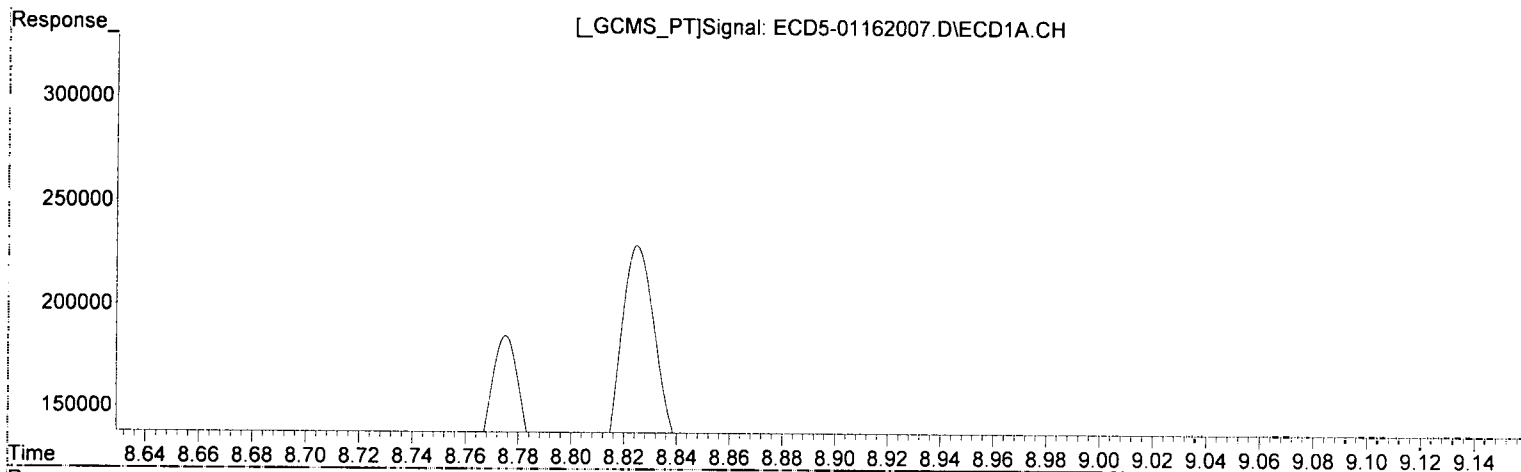
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 16 15:44:20 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 12:37
Operator : MJB
Sample : 0010220-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: Jan 16 15:37:58 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.984min 0.030 ng/mL
response 5155

MJB
1/16/20

(15) 4,4'-DDD #2
8.890min 0.021 ng/mL (m)
response 5102

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 12:37
 Operator : MJB
 Sample : 0010220-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: Jan 16 15:37:58 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
MJB
1/16/20

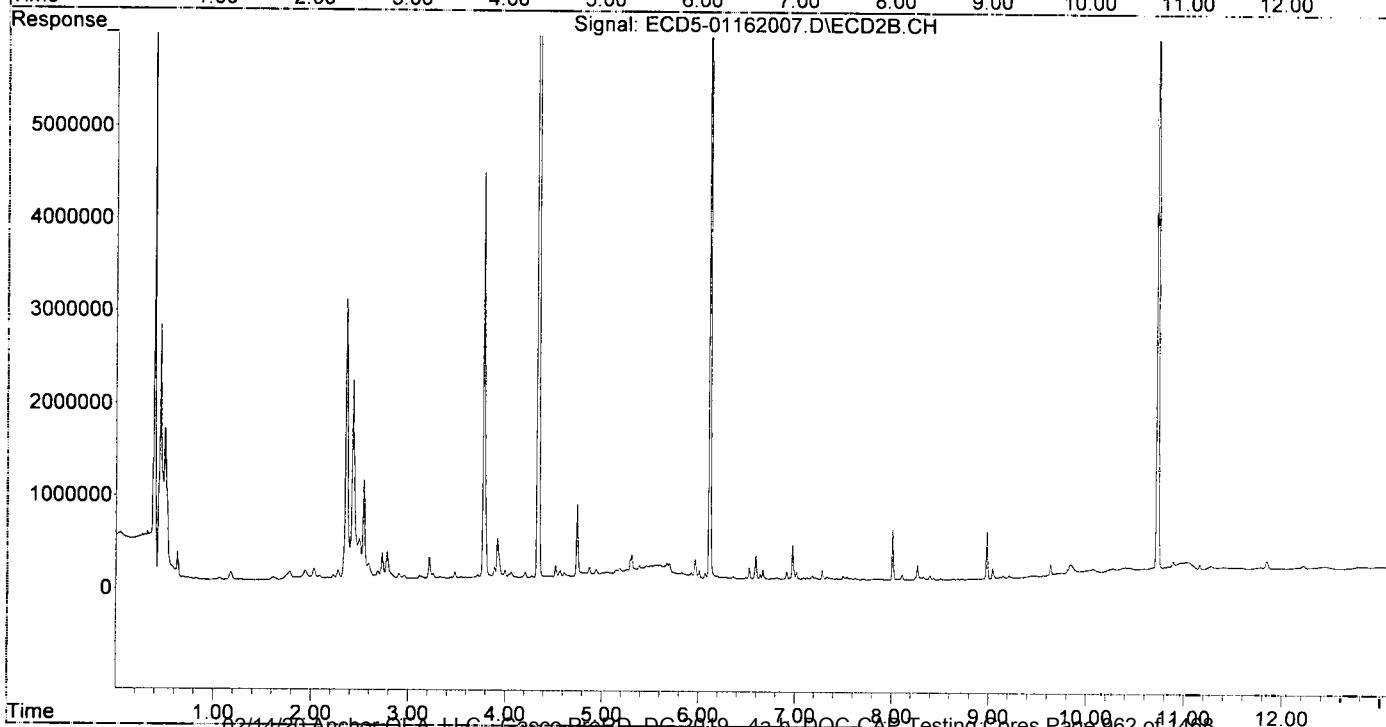
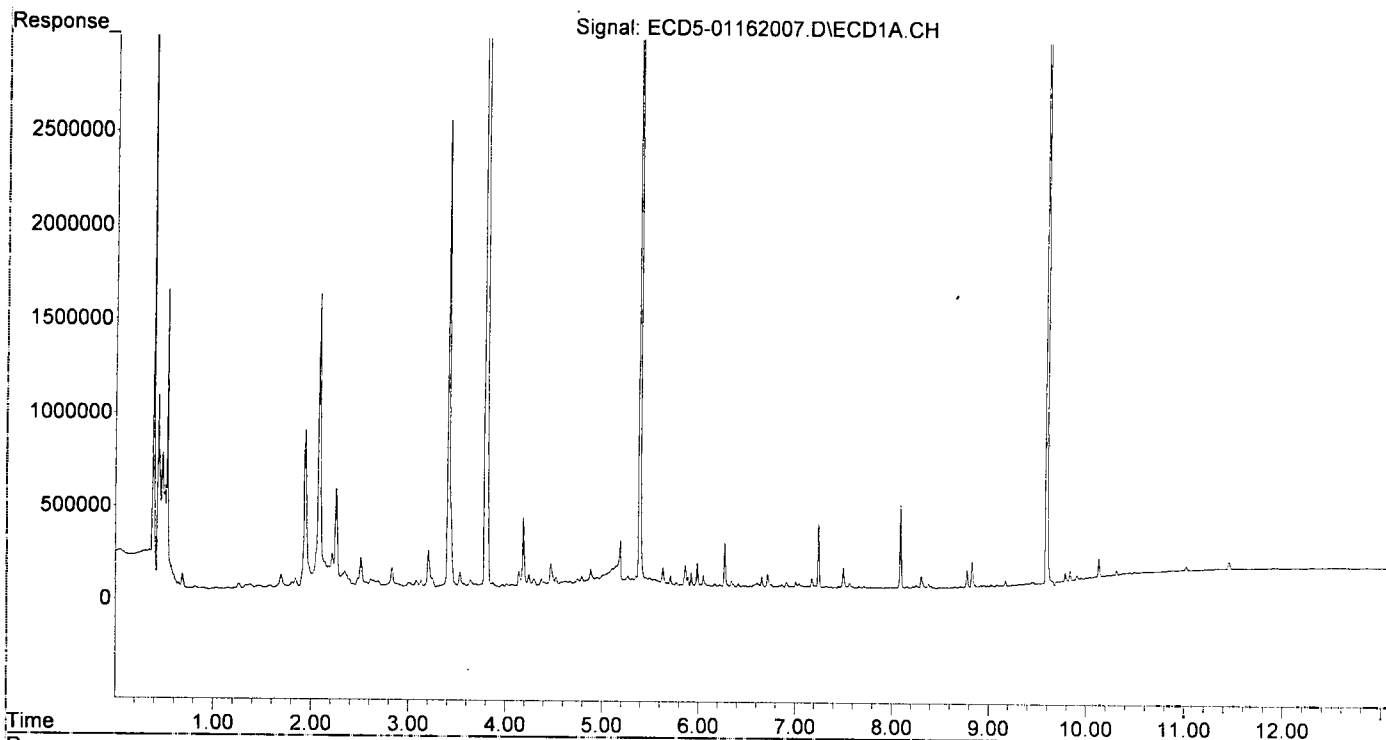
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.114	5839531	10143209	29.906	34.028
22) S DCBP (S)	9.592	10.725	7793088	9274423	52.272	52.119
Target Compounds						
2) a-BHC	5.923	0.000	85855	0	0.326	N.D. #
3) g-BHC	6.216	7.015f	20375	73700	0.087	0.202 #
4) b-BHC	6.269f	7.121	246195	20762	2.345	0.129 #
5) Heptachlor	6.608	7.428	29387	13912	0.129	0.039 #
6) d-BHC	6.459	7.358	15327	18758	0.070	0.114 #
7) Aldrin	6.861	7.696	20275	11486	0.092	0.034 #
8) Heptachlo...	7.324	8.151	11209	9350	0.054	0.030 #
9) trans-Chl...	7.448f	8.265	10910	158044	0.052	0.507 #
10) cis-Chlor...	7.497f	8.395	112280	47041	0.549	0.159 #
11) Endosulfa...	7.659f	8.434	12898	21131	0.067	0.076
12) 4,4'-DDE	7.563f	8.505	26647	16029	0.129	0.088
13) Dieldrin	7.784	8.633	5563	10105	0.026	0.033
14) Endrin	7.984f	8.888	5155	4833	0.030	0.021
15) 4,4'-DDD	7.984f	8.888	5155	4833	0.030	0.020
16) Endosulfa...	8.089f	9.040f	445217	111707	2.609	0.457 #
17) 4,4'-DDT	8.219	9.148	9986	26444	0.060	0.153 #
18) Endrin Al...	8.378f	0.000	23320	0	0.152	N.D. #
19) Endosulfa...	8.704	9.437	7193	16171	0.045	0.073 #
20) Methoxychlor	0.000	9.608	0	19419	N.D.	0.163 #
21) Endrin Ke...	8.912	9.838	11195	119402	0.059	0.477 #
23) Hexachlor...	3.205	3.774f	207612	4384358	1.041	10.941 #
24) Hexachlor...	5.769	6.593	32660	250847	0.014	0.784 #
25) Oxychlorane	7.241	8.052	341740	14590	1.756	0.052 #
26) 2,4'-DDE	7.324	8.265	11209	158044	0.079	0.750 #
27) trans-Non...	7.497	8.331	112280	33330	0.410	0.108 #
28) 2,4'-DDD	7.709	8.633	11638	10105	0.091	0.055 #
29) 2,4'-DDT	0.000	8.888f	0	4833	N.D.	BelowCal
30) cis-Nonac...	7.984	8.888	5155	4833	0.022	0.014
31) Mirex	8.649	9.838	6826	119402	6722.997	0.422 #
32) Chlordane...	7.448	8.265	10910	158044	0.465	4.063 #
33) Chlordane...	7.497f	8.395	112280	47041	3.896	1.466 #
34) Chlordane...	8.089	9.040	445217	111707	58.523	10.521 #
35) Chlordane...	3.793f	3.774f	10620908	4384358	NoCal	NoCal
36) Toxaphene...	7.497	8.633	112280	10105	106.606	3.736 #
37) Toxaphene...	7.784f	8.982	5563	516205	2.861	148.226 #
38) Toxaphene...	8.089f	8.982f	445217	516205	102.246	96.171
39) Toxaphene...	8.378f	9.092	23320	9809	5.772	1.087 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.649	9.636	6826	128390	1.572	22.869 #
42) Toxaphene...	3.793	3.774f	10620908	4384358	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 12:37
 Operator : MJB
 Sample : 0010220-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: Jan 16 15:37:58 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162008.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 12:55
 Operator : MJB
 Sample : 0010220-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: Jan 16 15:38:04 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 1/16/20

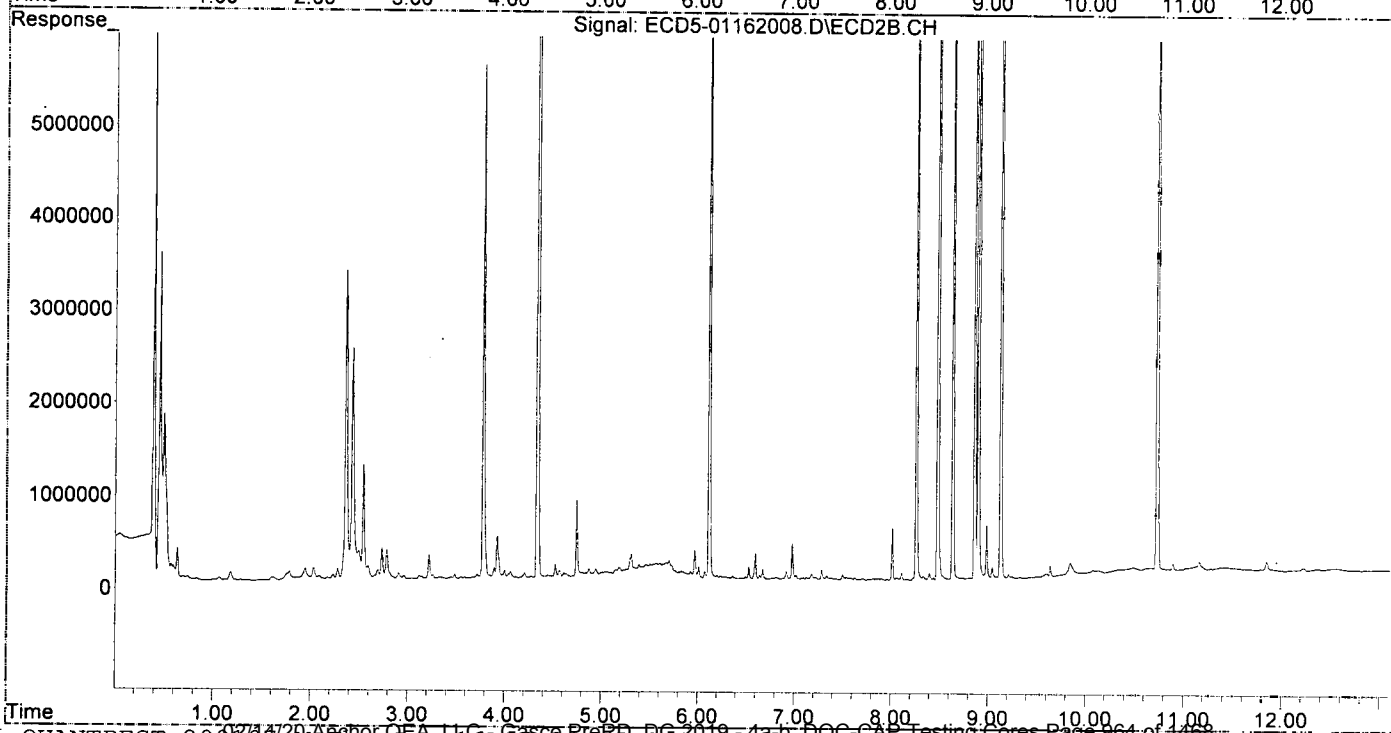
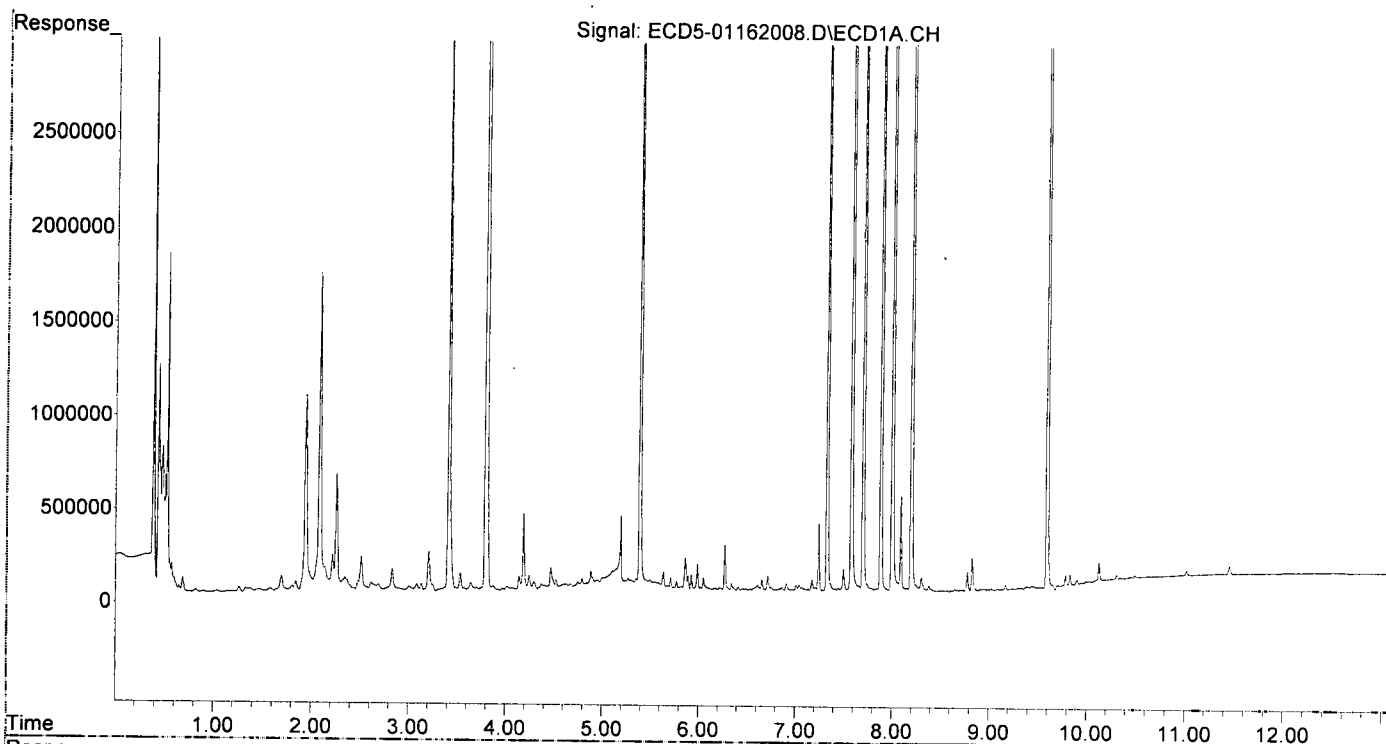
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.389	6.115	6241536	10634049	31.965	35.675
22) S DCBP (S)	9.594	10.728	7602755	9094520	50.984	51.108
Target Compounds						
2) a-BHC	5.924	0.000	90021	0	0.342	N.D. #
3) g-BHC	6.218	7.015f	21111	54090	0.090	0.148 #
4) b-BHC	6.270f	7.122	250604	34290	2.390	0.213 #
5) Heptachlor	6.609	7.428	33687	19904	0.148	0.056 #
6) d-BHC	6.461	7.359	16249	24368	0.075	0.130 #
7) Aldrin	6.862	7.697	22476	15947	0.102	0.048 #
8) Heptachlo...	7.328	8.152	5733012	12059	27.809	0.039 #
9) trans-Chl...	7.446	8.258f	18344	9503804	0.087	30.477 #
10) cis-Chlor...	7.498f	8.395	121390	72155	0.593	0.243 #
11) Endosulfa...	7.659f	8.436	32434	20017	0.167	0.072 #
12) 4,4'-DDE	7.579	8.480	9465589	15679937	45.908	50.749
13) Dieldrin	7.832f	8.633	13098	9418407	0.061	30.487 #
14) Endrin	8.000f	8.860	8581387	11262661	49.598	47.933
15) 4,4'-DDD	8.000	8.898	8581387	14342425	49.703	58.348
16) Endosulfa...	8.090f	9.041f	504572	122478	2.957	0.501 #
17) 4,4'-DDT	8.199	9.127	9565573	15179629	57.742	63.564
18) Endrin Al...	8.379f	9.249	29277	14302	0.191	0.064 #
19) Endosulfa...	8.706	9.440	7415	6891	0.046	0.031
20) Methoxychlor	0.000	9.604	0	34564	N.D.	0.291 #
21) Endrin Ke...	8.914	9.841	12113	138455	0.063	0.553 #
23) Hexachlor...	3.207	3.776f	219144	5571818	1.099	13.904 #
24) Hexachlor...	5.771	6.594	53908	294858	0.124	0.921 #
25) Oxychlordane	7.241	8.054	361629	28716	1.871	0.103 #
26) 2,4'-DDE	7.328	8.258	5733012	9503804	40.206	45.129
27) trans-Non...	7.498	8.332	121390	39562	0.456	0.129 #
28) 2,4'-DDD	7.700	8.633	5738094	9418407	45.099	51.065
29) 2,4'-DDT	7.883	8.860	7317267	11262661	49.955	55.420
30) cis-Nonac...	8.000	8.898	8581387	14342425	36.409	42.043
31) Mirex	8.650	9.841	9667	138455	6722.976	0.532 #
32) Chlordane...	7.446	8.258f	18344	9503804	0.782	244.333 #
33) Chlordane...	7.498f	8.395	121390	72155	4.212	2.248 #
34) Chlordane...	8.090	9.041	504572	122478	66.325	11.535 #
35) Chlordane...	3.794f	3.776f	11888180	5571818	NoCal	NoCal
36) Toxaphene...	7.498	8.633	121390	9418407	115.256	3482.743 #
37) Toxaphene...	7.832f	8.983	13098	576709	6.735	165.599 #
38) Toxaphene...	8.090f	8.983f	504572	576709	116.410	107.798
39) Toxaphene...	8.379f	9.041f	29277	122478	7.247	13.570 #
40) Toxaphene...	0.000	9.249	0	14302	N.D.	2.848 #
41) Toxaphene...	8.650	9.637	9667	124534	2.226	22.182 #
42) Toxaphene...	3.794	3.776f	11888180	5571818	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 12:55
Operator : MJB
Sample : 0010220-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: Jan 16 15:38:04 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 13:12
 Operator : MJB
 Sample : A9J0861-14RE1
 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: Jan 16 15:47:34 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/16/20

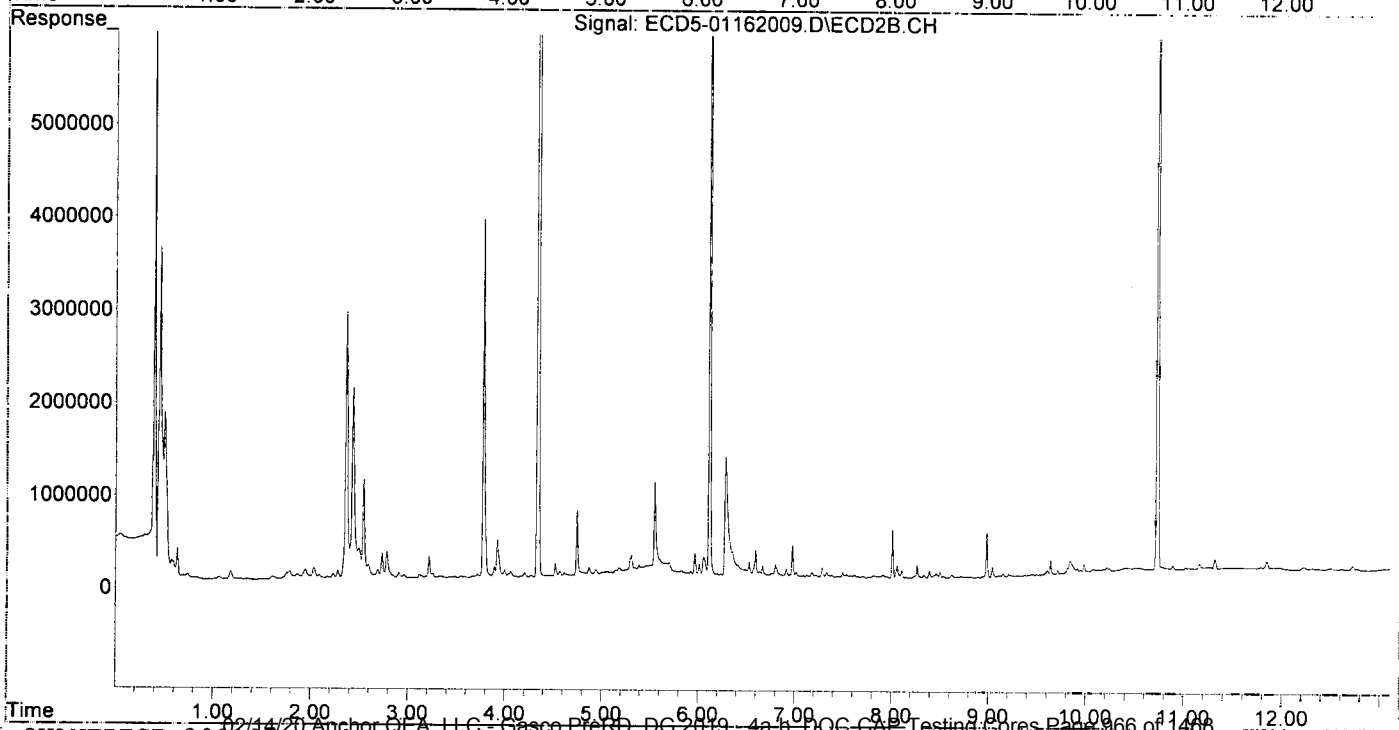
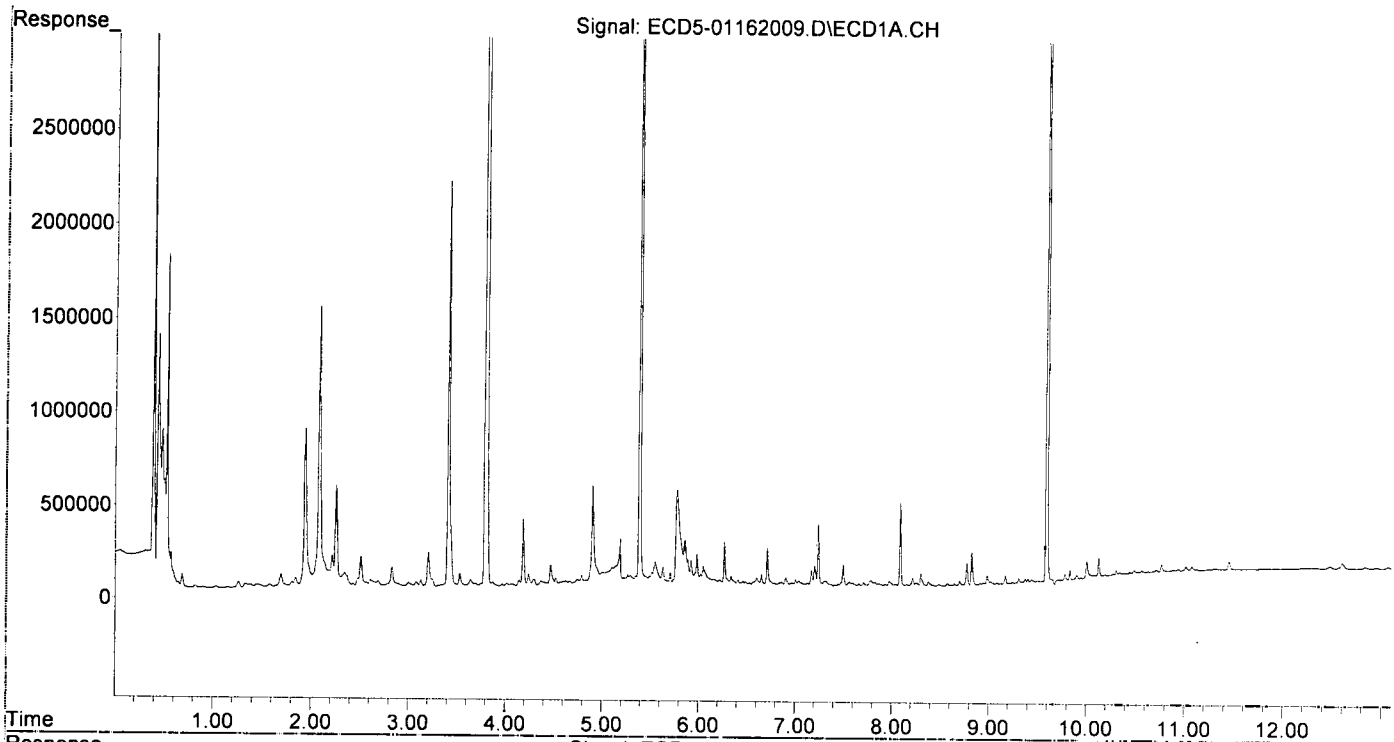
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.114	5988282	10110043	30.668	33.917
22) S DCBP (S)	9.592	10.725	7614559	9149769	51.064	51.418
Target Compounds						
2) a-BHC	5.923	6.753f	181686	52840	0.690	0.128 #
3) g-BHC	6.218	7.014f	77978	64869	0.334	0.178 #
4) b-BHC	6.268f	7.121	282226	40042	2.713	0.249 #
5) Heptachlor	6.604f	7.426	92503	19381	0.407	0.055 #
6) d-BHC	6.459	7.360	73561	29223	0.338	0.145 #
7) Aldrin	6.860	7.695	71451	20292	0.324	0.061 #
8) Heptachlo...	7.305f	8.150	80425	11652	0.390	0.038 #
9) trans-Chl...	7.421	8.292	59557	18735	0.283	0.060 #
10) cis-Chlor...	7.498f	8.391	167225	74829	0.817	0.252 #
11) Endosulfa...	7.594f	8.436	71098	30333	0.367	0.109 #
12) 4,4'-DDE	7.594	8.502	71098	63176	0.345	0.250
13) Dieldrin	7.782	8.619f	85898	34287	0.399	0.111 #
14) Endrin	7.976	8.895f	62603	7314	0.477	0.031 #
15) 4,4'-DDD	7.996	8.894	73744	11699	0.427m	0.048m#
16) Endosulfa...	8.088f	9.039f	510369	111087	2.991	0.455 #
17) 4,4'-DDT	8.216	9.147	101524	32698	0.613	0.182 #
18) Endrin Al...	8.379f	9.292f	82735	6609	0.540	0.030 #
19) Endosulfa...	8.701	9.451	89042	18545	0.556	0.084 #
20) Methoxychlor	8.535	9.606	64841	51632	0.749	0.434 #
21) Endrin Ke...	8.912	9.838	80666	144022	0.422	0.575
23) Hexachlor...	3.206	3.774f	208110	3873033	1.043	9.665 #
24) Hexachlor...	5.777	6.593	557775	307259	2.740	0.960 #
25) Oxychlordane	7.240	8.055	384853	133533	2.004	0.477 #
26) 2,4'-DDE	7.305f	8.265	80425	143393	0.564	0.681
27) trans-Non...	7.498	8.332	167225	35839	0.687	0.117 #
28) 2,4'-DDD	7.711	8.619	74074	34287	0.582	0.186 #
29) 2,4'-DDT	7.857f	8.895f	69612	7314	0.475	BelowCal #
30) cis-Nonac...	7.976	8.895	82603	7314	0.350	0.021 #
31) Mirex	8.645	9.838	75252	144022	0.311	0.565 #
32) Chlordane...	7.448	8.292	65367	18735	2.786	0.482 #
33) Chlordane...	7.560f	8.391	75849	74829	2.632	2.331
34) Chlordane...	8.088	9.039	510369	111087	67.087	10.462 #
35) Chlordane...	3.793f	3.774f	10599220	3873033	NoCal	NoCal
36) Toxaphene...	7.498	8.619	167225	34287	158.775	12.679 #
37) Toxaphene...	7.782f	8.982	85898	491690	44.171	141.186 #
38) Toxaphene...	8.088f	8.982f	510369	491690	117.793	91.453
39) Toxaphene...	8.379f	9.092	82735	11934	20.479	1.322 #
40) Toxaphene...	8.575	0.000	75208	0	22.875	N.D. #
41) Toxaphene...	8.645	9.636	75252	160205	17.330	28.536 #
42) Toxaphene...	3.793	3.774f	10599220	3873033	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:12
Operator : MJB
Sample : A9J0861-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

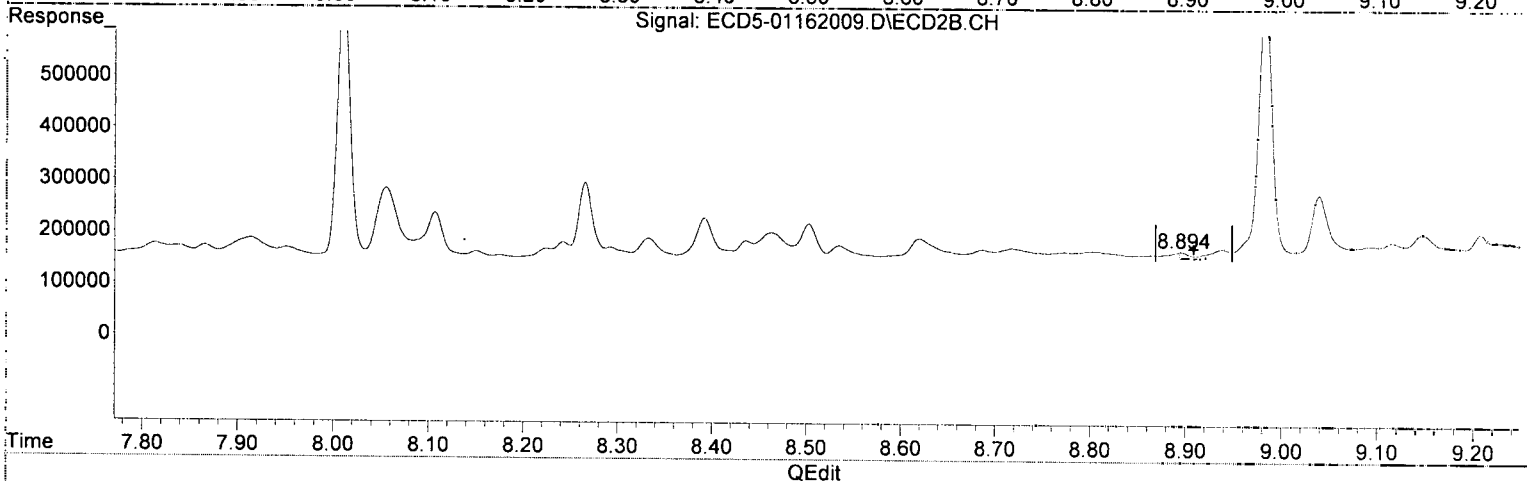
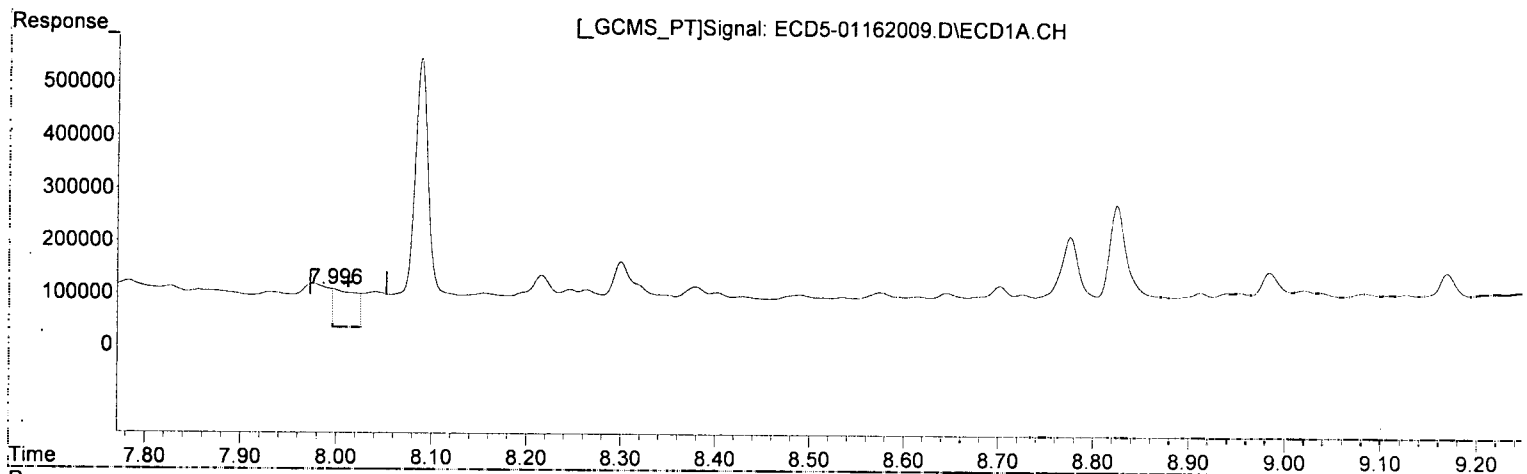
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 16 15:47:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:12
Operator : MJB
Sample : A9J0861-14RE1
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: Jan 16 15:38:10 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD

7.996min 0.427 ng/ml (m)
response 73744

MJB
1/16/20

(15) 4,4'-DDD #2

8.894min 0.048 ng/ml (m)
response 11699

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162009.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 13:12
 Operator : MJB
 Sample : A9J0861-14RE1
 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: Jan 16 15:38:10 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MI
MJB
1/16/20

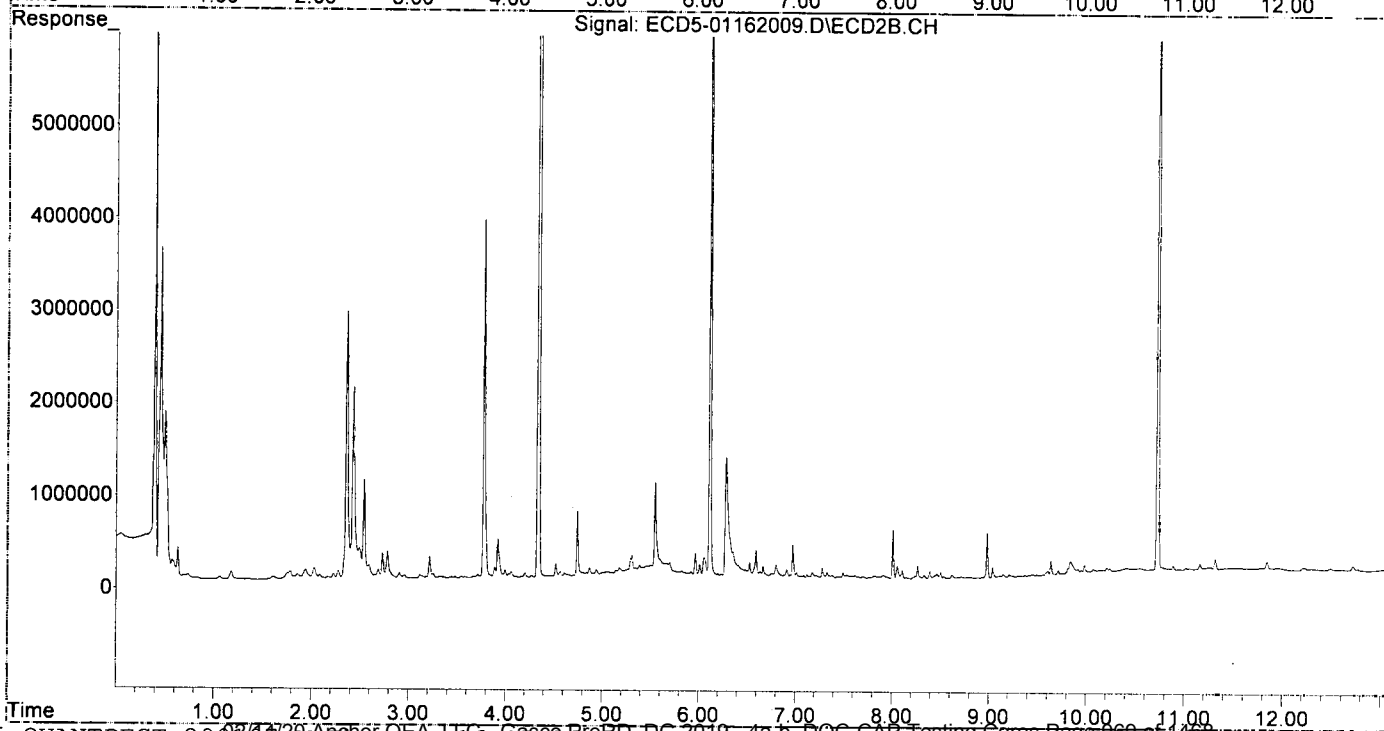
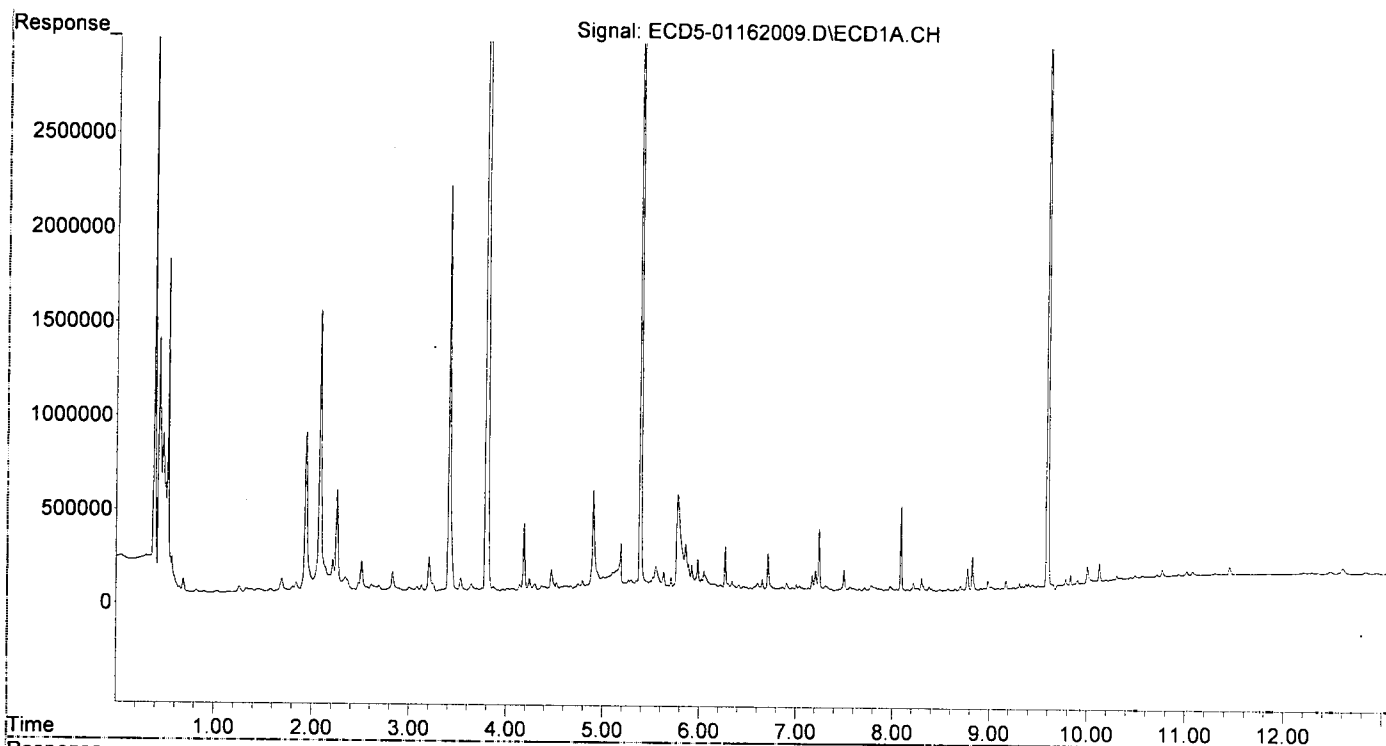
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.114	5988282	10110043	30.668	33.917
22) S DCBP (S)	9.592	10.725	7614559	9149769	51.064	51.418
Target Compounds						
2) a-BHC	5.923	6.753f	181686	52840	0.690	0.128 #
3) g-BHC	6.218	7.014f	77978	64869	0.334	0.178 #
4) b-BHC	6.268f	7.121	282226	40042	2.713	0.249 #
5) Heptachlor	6.604f	7.426	92503	19381	0.407	0.055 #
6) d-BHC	6.459	7.360	73561	29223	0.338	0.145 #
7) Aldrin	6.860	7.695	71451	20292	0.324	0.061 #
8) Heptachlo...	7.305f	8.150	80425	11652	0.390	0.038 #
9) trans-Chl...	7.421	8.292	59557	18735	0.283	0.060 #
10) cis-Chlor...	7.498f	8.391	167225	74829	0.817	0.252 #
11) Endosulfa...	7.594f	8.436	71098	30333	0.367	0.109 #
12) 4,4'-DDE	7.594	8.502	71098	63176	0.345	0.250
13) Dieldrin	7.782	8.619f	85898	34287	0.399	0.111 #
14) Endrin	7.976	8.895f	82603	7314	0.477	0.031 #
15) 4,4'-DDD	8.041f	8.895	67865	7314	0.393	0.030 #
16) Endosulfa...	8.088f	9.039f	510369	111087	2.991	0.455 #
17) 4,4'-DDT	8.216	9.147	101524	32698	0.613	0.182 #
18) Endrin Al...	8.379f	9.292f	82735	6609	0.540	0.030 #
19) Endosulfa...	8.701	9.451	89042	18545	0.556	0.084 #
20) Methoxychlor	8.535	9.606	64841	51632	0.749	0.434 #
21) Endrin Ke...	8.912	9.838	80666	144022	0.422	0.575
23) Hexachlor...	3.206	3.774f	208110	3873033	1.043	9.665 #
24) Hexachlor...	5.777	6.593	557775	307259	2.740	0.960 #
25) Oxychlorane	7.240	8.055	384853	133533	2.004	0.477 #
26) 2,4'-DDE	7.305f	8.265	80425	143393	0.564	0.681
27) trans-Non...	7.498	8.332	167225	35839	0.687	0.117 #
28) 2,4'-DDD	7.711	8.619	74074	34287	0.582	0.186 #
29) 2,4'-DDT	7.857f	8.895f	69612	7314	0.475	BelowCal #
30) cis-Nonac...	7.976	8.895	82603	7314	0.350	0.021 #
31) Mirex	8.645	9.838	75252	144022	0.311	0.565 #
32) Chlordane...	7.448	8.292	65367	18735	2.786	0.482 #
33) Chlordane...	7.560f	8.391	75849	74829	2.632	2.331
34) Chlordane...	8.088	9.039	510369	111087	67.087	10.462 #
35) Chlordane...	3.793f	3.774f	10599220	3873033	NoCal	NoCal
36) Toxaphene...	7.498	8.619	167225	34287	158.775	12.679 #
37) Toxaphene...	7.782f	8.982	85898	491690	44.171	141.186 #
38) Toxaphene...	8.088f	8.982f	510369	491690	117.793	91.453
39) Toxaphene...	8.379f	9.092	82735	11934	20.479	1.322 #
40) Toxaphene...	8.575	0.000	75208	0	22.875	N.D. #
41) Toxaphene...	8.645	9.636	75252	160205	17.330	28.536 #
42) Toxaphene...	3.793	3.774f	10599220	3873033	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:12
Operator : MJB
Sample : A9J0861-14RE1
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: Jan 16 15:38:10 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162010.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 13:29
 Operator : MJB
 Sample : A9J0861-35RE1
 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: Jan 16 15:38:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/16/20

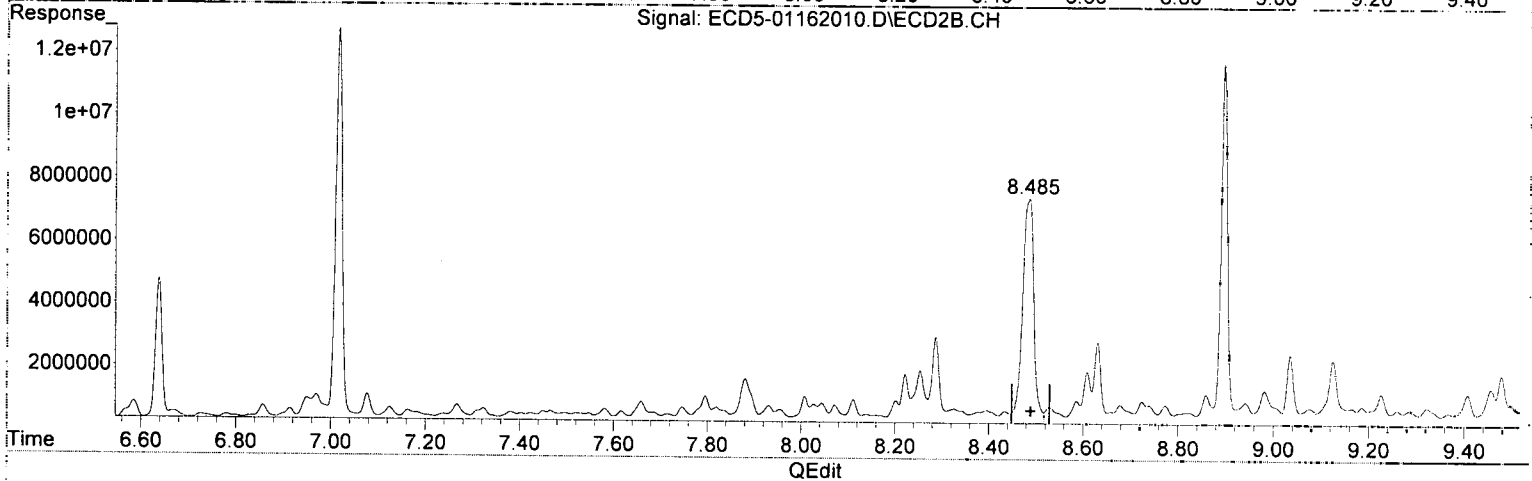
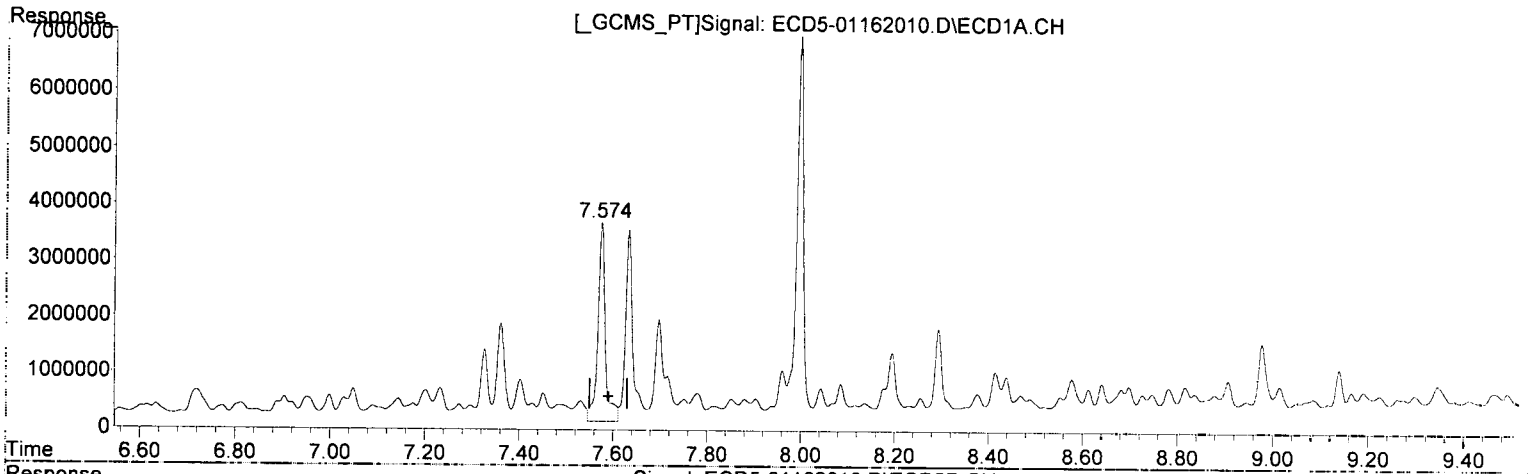
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.387	6.113	6178703	10586348	31.643	35.515
22) S DCBP (S)	9.592	10.725	7670150	9761027	51.440	54.854
Target Compounds						
2) a-BHC	5.918	6.726	149269	154830	0.567	0.375
3) g-BHC	6.210	7.077f	470129	809830	2.013	2.218
4) b-BHC	6.295	7.125	372728	385022	3.637	2.394
5) Heptachlor	6.634	7.424	292097	215407	1.285	0.608 #
6) d-BHC	6.470f	7.381	352365	248430	1.618	0.797 #
7) Aldrin	6.845f	7.715	193728	204533	0.878	0.614
8) Heptachlo...	7.326	8.140	1271600	226249	6.168	0.734 #
9) trans-Chl...	7.451f	8.287	496602	2689818	2.357	8.626 #
10) cis-Chlor...	7.531	8.395	361744	362467	1.768	1.222
11) Endosulfa...	7.633	8.434	3404189	329172	17.565	1.185 #
12) 4,4'-DDE	7.575	8.485	3536785	7103949	17.153	23.761
13) Dieldrin	7.780	8.631	504753	2542554	2.344	8.230 #
14) Endrin	7.961	8.859	910544	878852	5.263	3.740
15) 4,4'-DDD	7.997	8.895	6847396	11365599	39.660	46.238
16) Endosulfa...	8.138	9.035	348506	2143321	2.043	8.773 #
17) 4,4'-DDT	8.195	9.125	1247496	1994098	7.530	9.215
18) Endrin Al...	8.415	9.260	905602	398950	5.915	1.784 #
19) Endosulfa...	8.698	9.457	665146	1079825	4.156	4.871
20) Methoxychlor	8.577f	9.637f	791206	951586	9.135	8.001
21) Endrin Ke...	8.907	9.855	773507	823875	4.050	3.290
23) Hexachlor...	3.204	3.773f	248561	2729679	1.246	6.812 #
24) Hexachlor...	5.771	6.585	337074	565816	1.594	1.768
25) Oxychlordane	7.273	8.044	296779	571330	1.499	2.043
26) 2,4'-DDE	7.326	8.254	1271600	1606590	8.918	7.629
27) trans-Non...	7.531f	8.326	361744	403945	1.668	1.314
28) 2,4'-DDD	7.697	8.631	1800723	2542554	14.153	13.785
29) 2,4'-DDT	7.881	8.859	402843	878852	2.750 p.12	4.635 #, p.01
30) cis-Nonac...	7.997	8.895	6847396	11365599	29.052	33.317
31) Mirex	8.641	9.838	707892	940209	5.006	5.151
32) Chlordane...	7.451	8.287	496602	2689818	21.167	69.152 #
33) Chlordane...	7.531	8.395	361744	362467	12.552	11.293
34) Chlordane...	8.086	9.076	684443	450184	89.968	42.399 #
35) Chlordane...	3.792f	3.773f	10667272	2729679	NoCal	NoCal
36) Toxaphene...	7.531	8.609	361744	1589862	343.464	587.900 #
37) Toxaphene...	7.816	8.982	282244	1006081	145.137	288.891 #
38) Toxaphene...	8.138f	8.982f	348506	1006081	79.158	189.674 #
39) Toxaphene...	8.377	9.076	518977	450184	128.458	49.878 #
40) Toxaphene...	8.577	9.260	791206	398950	240.651	79.441 #
41) Toxaphene...	8.641	9.637	707892	951586	163.020	169.497
42) Toxaphene...	3.792	3.773f	10667272	2729679	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.575min 17.153 ng/mL
response 3536785

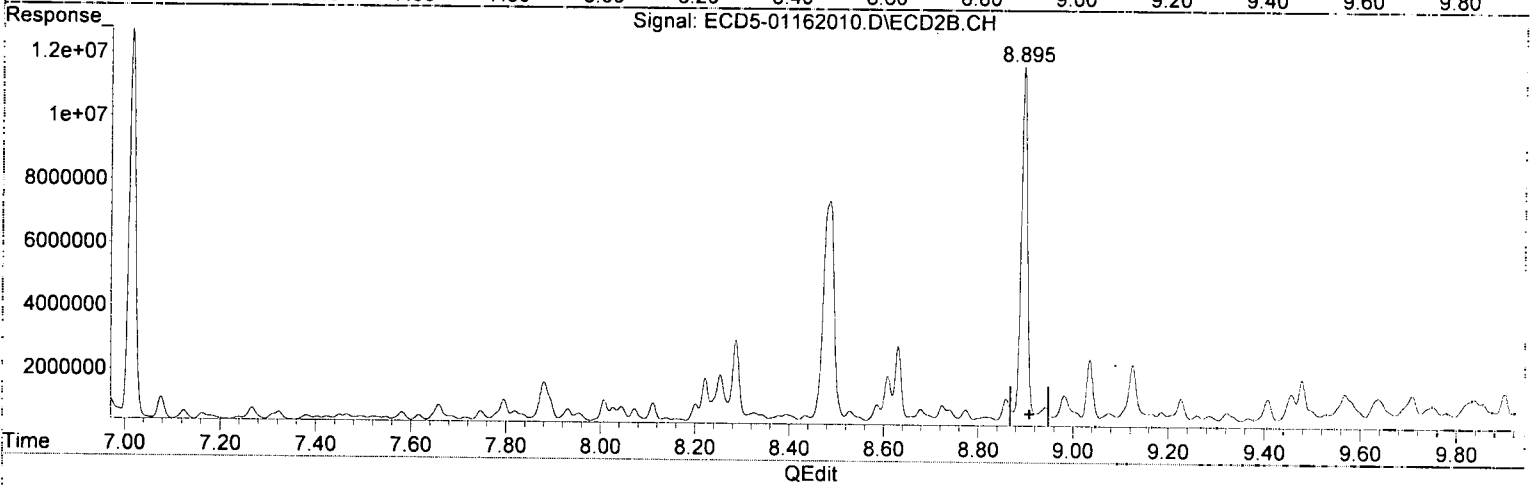
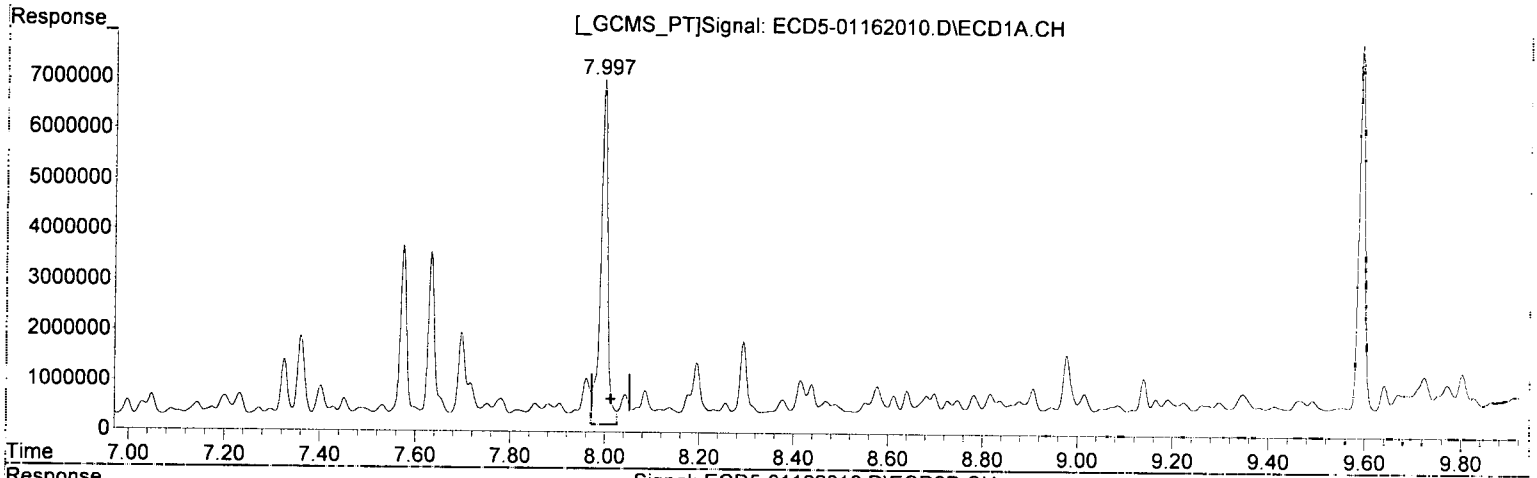
MJB
1/16/20

(12) 4,4'-DDE #2
8.485min 23.761 ng/mL
response 7103949

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.997min 39.660 ng/mL
response 6847396

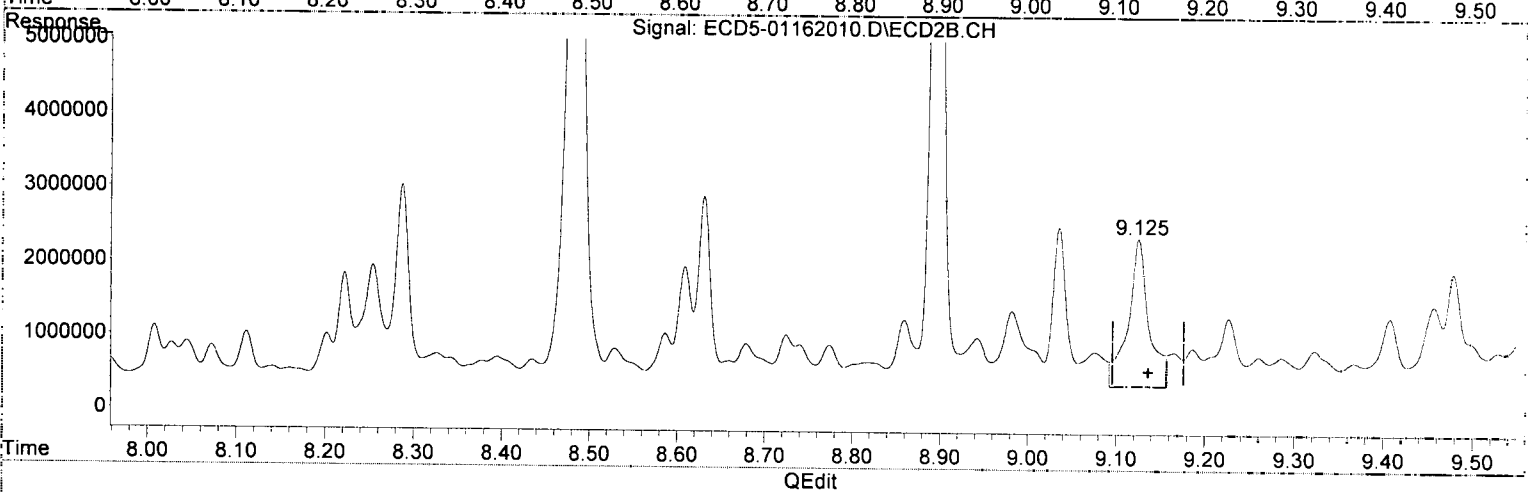
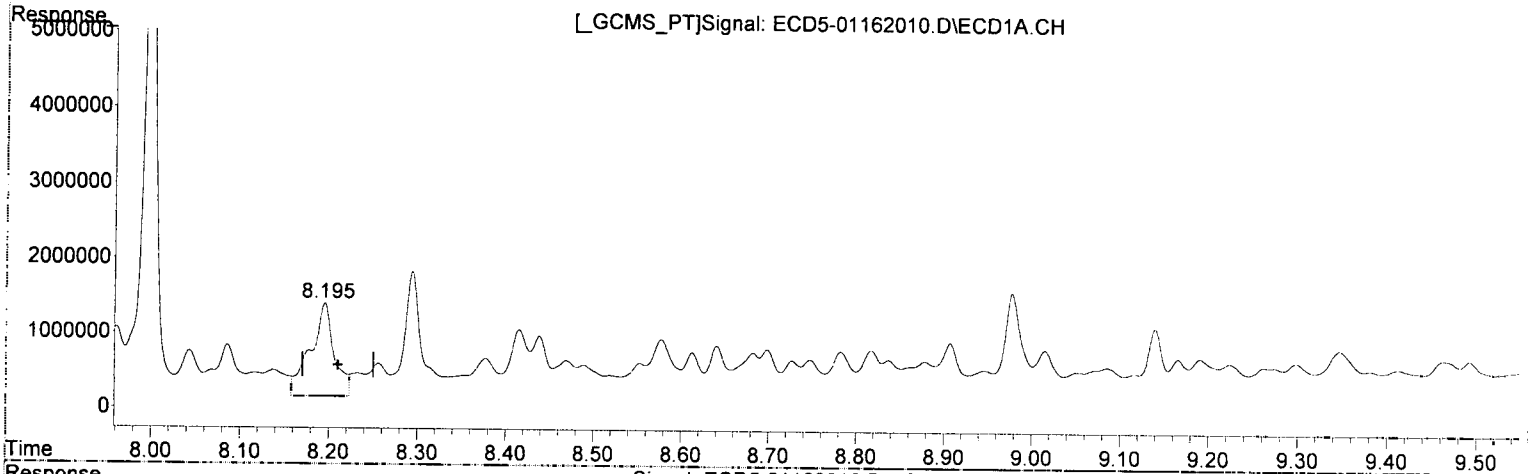
MJB
1/16/20

(15) 4,4'-DDD #2
8.895min 46.238 ng/mL
response 11365599

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.195min 7.530 ng/mL

response 1247496

MJB
1/16/20

(17) 4,4'-DDT #2

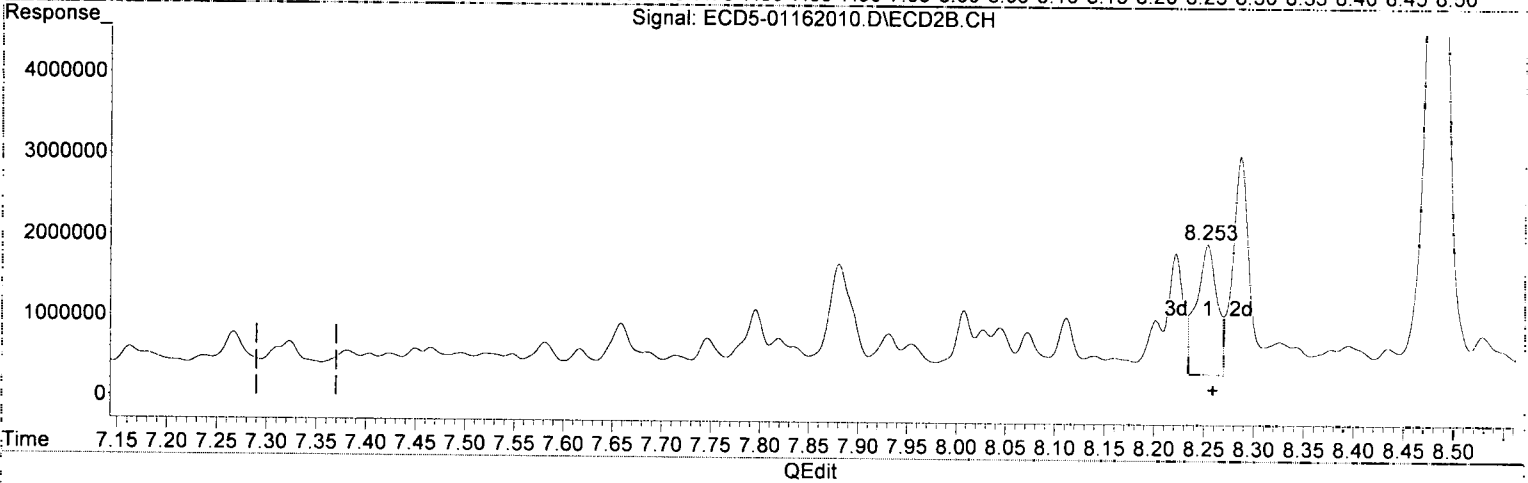
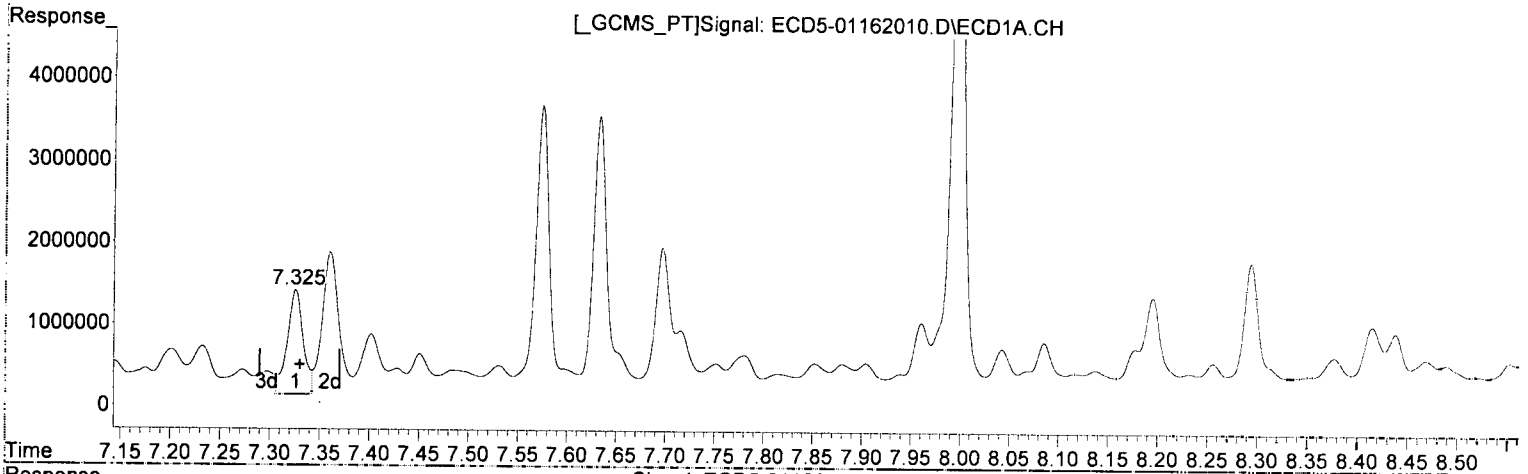
9.125min 9.215 ng/mL

response 1994098

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.326min 8.918 ng/mL
response 1271600

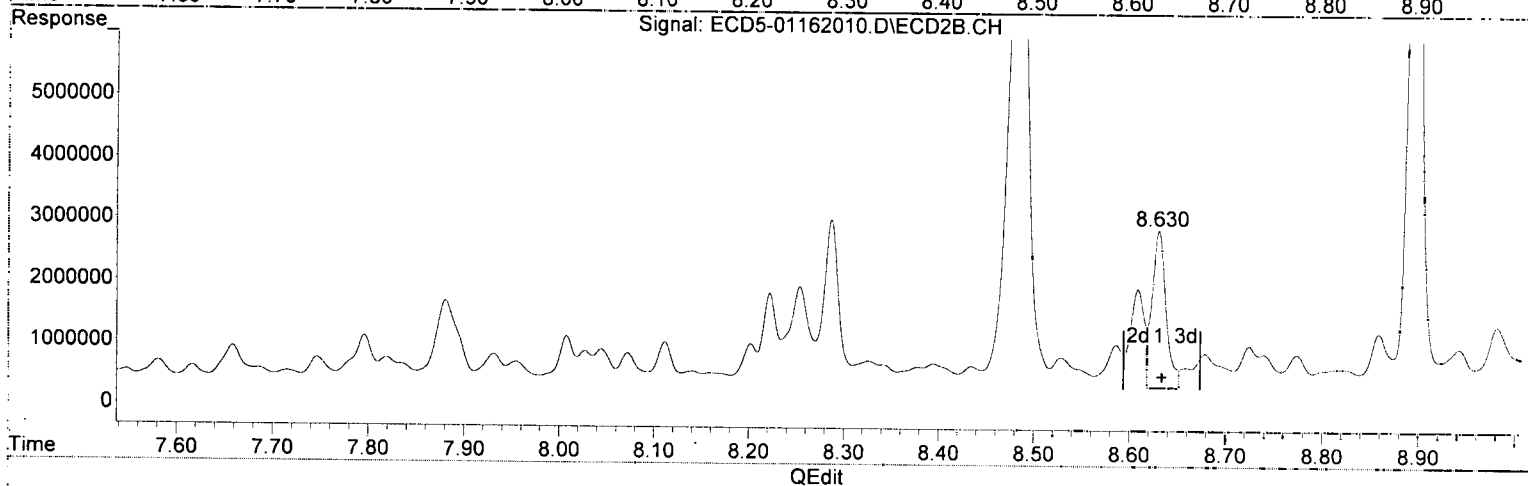
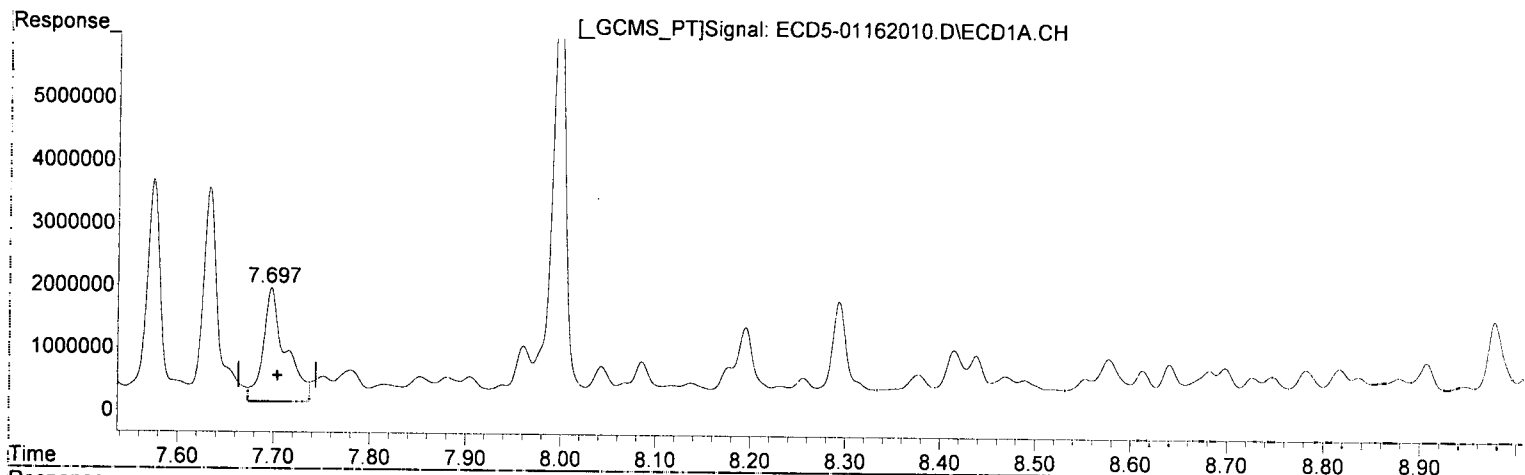
MJB 1/16/20

(26) 2,4'-DDE #2
8.254min 7.629 ng/mL
response 1606590

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.697min 14.153 ng/mL

response 1800723

MJB 1/16/20

(28) 2,4'-DDD #2

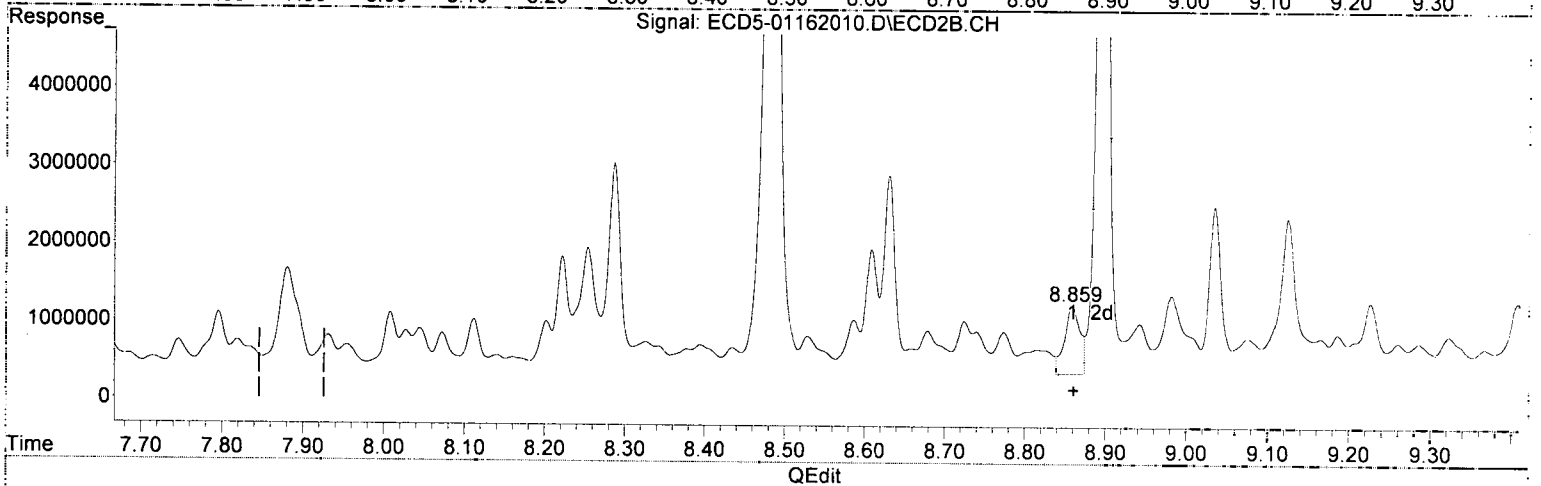
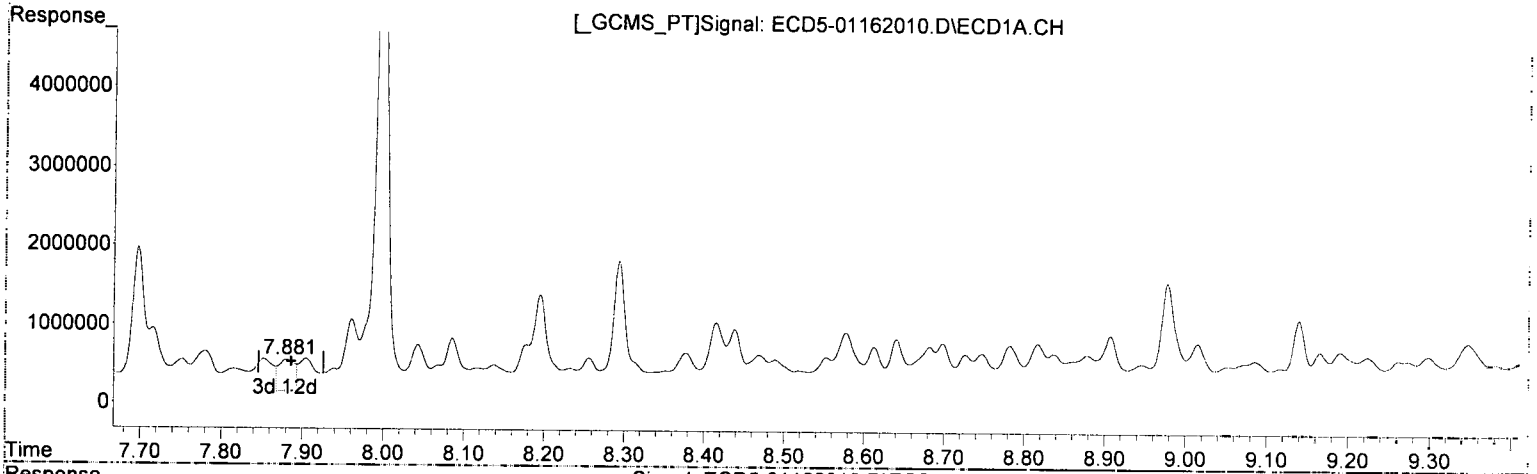
8.631min 13.785 ng/mL

response 2542554

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT

7.881min 2.750 ng/mL *2-02*
response 402843

MJB
1/16/20

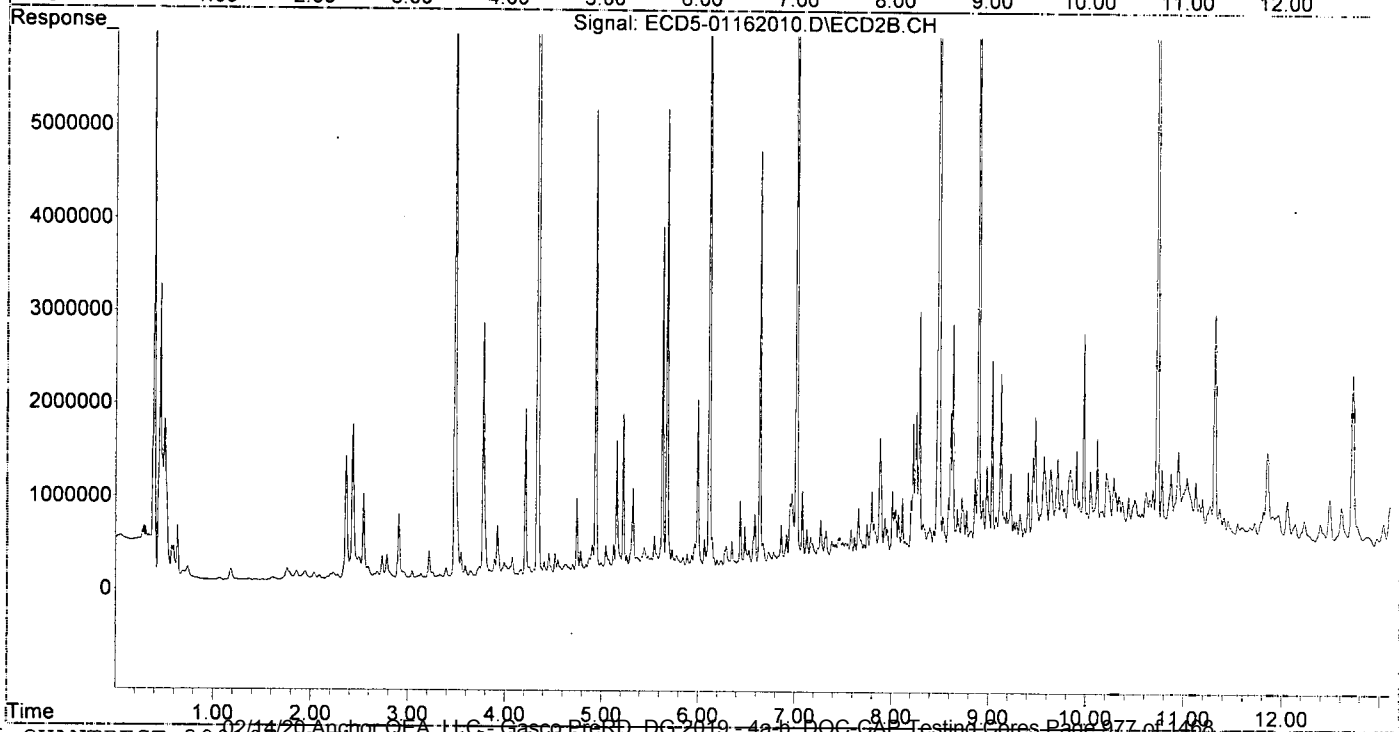
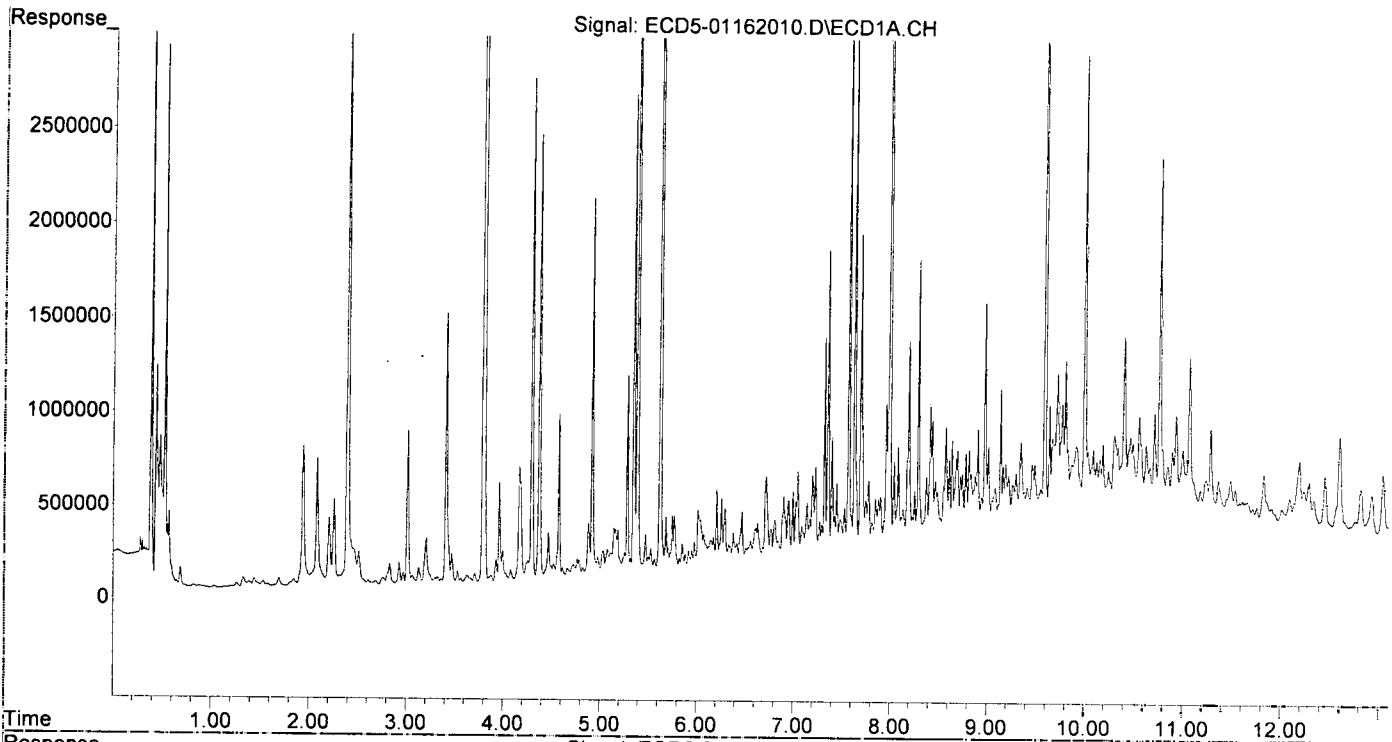
(29) 2,4'-DDT #2

8.859min 4.635 ng/mL *2-01*
response 878852

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 13:29
Operator : MJB
Sample : A9J0861-35RE1
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: Jan 16 15:38:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 17:16
 Operator : MJB
 Sample : 0010165-MSD162
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:52:52 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

P.04
MJB
1/17/20

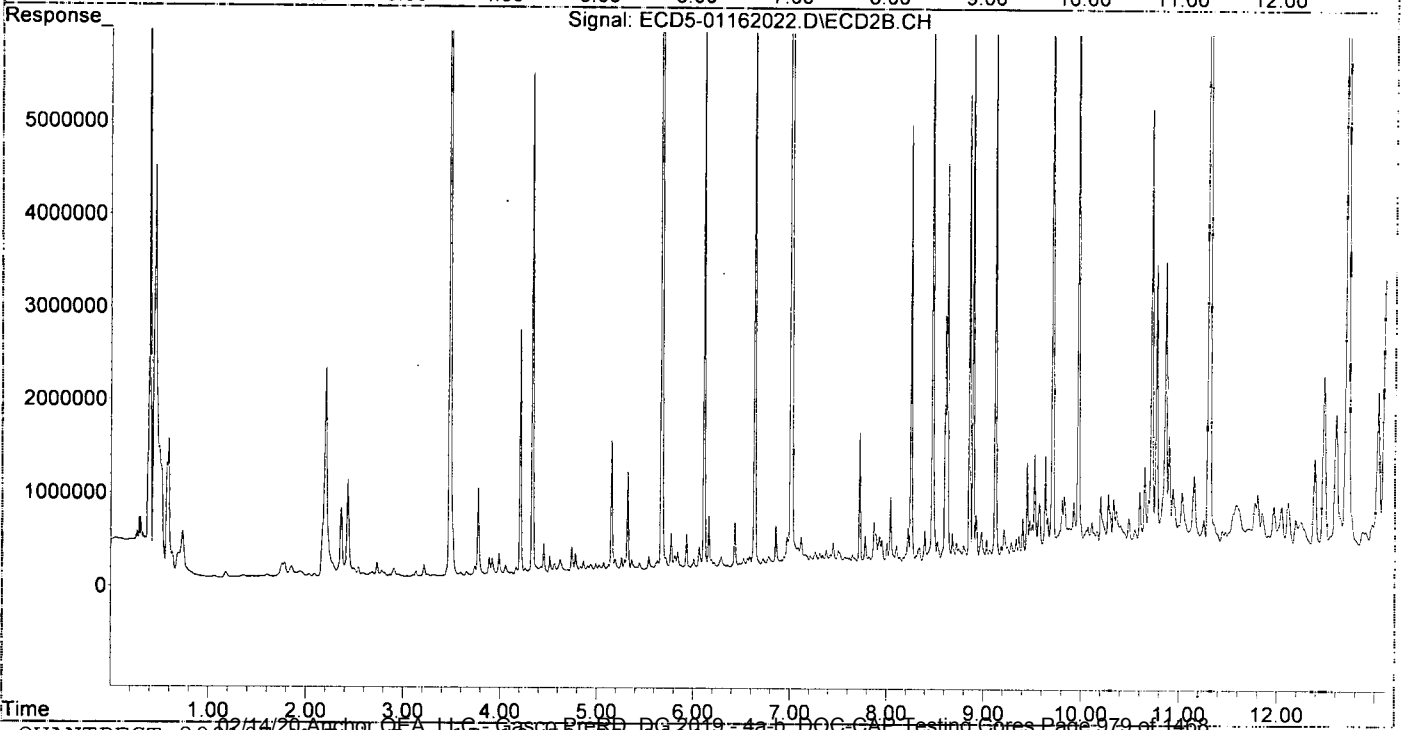
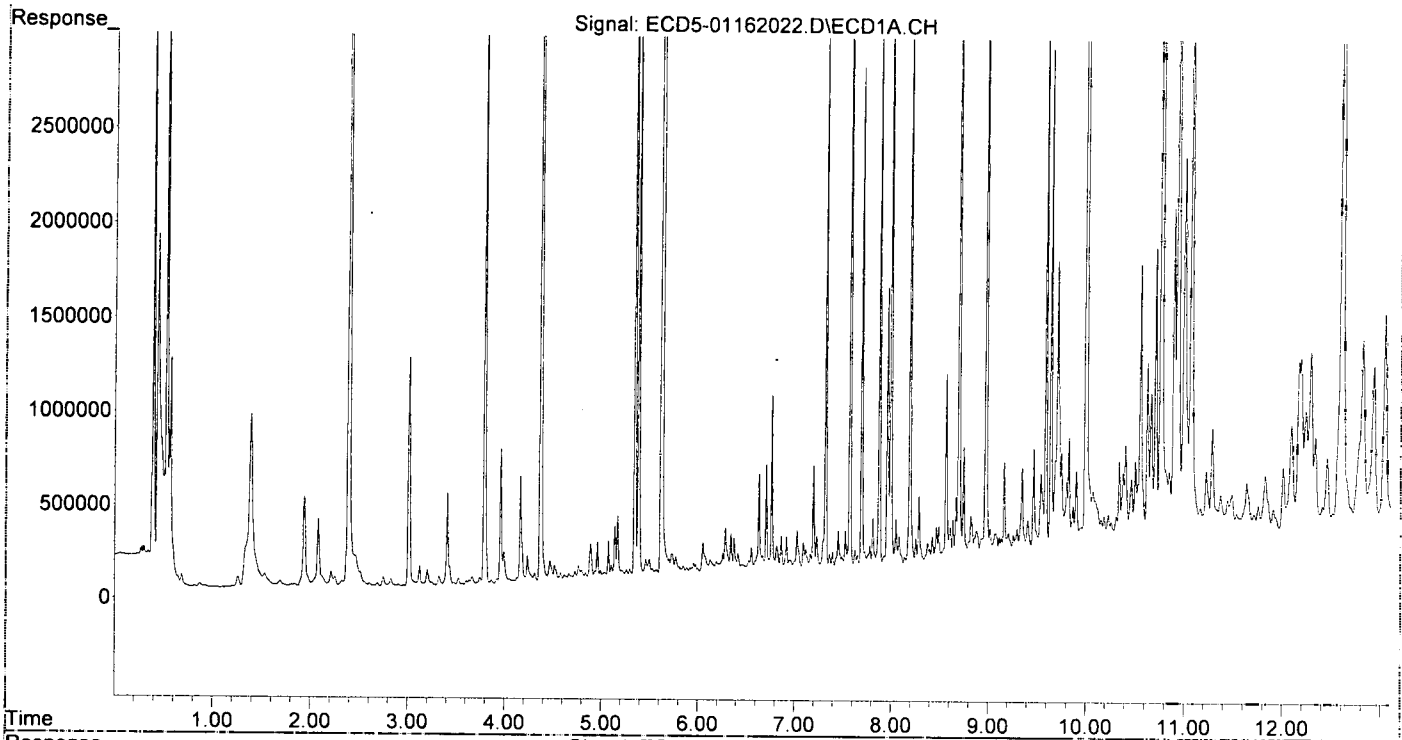
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.111	3422406	5870841	17.527	19.695
22) S DCBP (S)	9.589	10.722	3217356	4780480	21.407	26.865
Target Compounds						
2) a-BHC	5.955f	6.724	52442	75796	0.199	0.184
3) g-BHC	6.193f	7.014f	54396	45490582	0.233	124.599 #
4) b-BHC	6.284	7.118	231148	292099	2.191	1.816
5) Heptachlor	6.633	7.419	509273	95829	2.241	0.270 #
6) d-BHC	6.455	7.377	34905	145875	0.160	0.492 #
7) Aldrin	6.862	7.675f	176125	48898	0.798	0.147 #
8) Heptachlo...	7.321	8.140	2900121	46253	14.068	0.150 #
9) trans-Chl...	7.452f	8.254f	185083	4687549	0.878	15.032 #
10) cis-Chlor...	7.525	8.396	182372	322966	0.891	1.089
11) Endosulfa...	7.626	8.475f	79339	7698703	0.409	27.705 #
12) 4,4'-DDE	7.572	8.475	4767380	7698703	23.122 <i>PK</i>	25.688
13) Dieldrin	7.780	8.628	98270	4263275	0.456	13.800 #
14) Endrin	7.959	8.856	1465972	5003581	8.473	21.295 #
15) 4,4'-DDD	7.994	8.893	4177718	6595968	24.197	26.834
16) Endosulfa...	8.140f	9.032	28943	198740	0.170	0.814 #
17) 4,4'-DDT	8.193	9.122	3712517	6086557	22.410 <i>PK</i>	27.165
18) Endrin Al...	8.425	9.248	122263	115153	0.799	0.515
19) Endosulfa...	8.697	9.448	4635872	1007717	28.968	4.546 #
20) Methoxychlor	8.566	9.635f	986385	1079962	11.389	9.081
21) Endrin Ke...	8.879f	9.860	133590	293834	0.700	1.173 #
23) Hexachlor...	3.203	3.772f	83556	937356	0.419	2.339 #
24) Hexachlor...	5.772	6.586	93385	103380	0.329	0.323
25) Oxychlordane	7.231f	8.043	165328	688851	0.745	2.463 #
26) 2,4'-DDE	7.321	8.254	2900121	4687549	20.339	22.259
27) trans-Non...	7.525	8.341	182372	135717	0.763	0.441 # <i>MAN</i>
28) 2,4'-DDD	7.694	8.628	2634693	4263275	20.707	23.115
29) 2,4'-DDT	7.877	8.856	3004933	5003581	20.515 <i>PK</i>	25.859
30) cis-Nonac...	7.994	8.893	4177718	6595968	17.725	19.335
31) Mirex	8.638	9.829	201988	635685	1.251	3.402 #
32) Chlordane...	7.452	8.306f	185083	59152	7.889	1.521 #
33) Chlordane...	7.525	8.396	182372	322966	6.328	10.062 #
34) Chlordane...	8.082	9.064	140372	86822	18.452	8.177 #
35) Chlordane...	3.790f	3.772f	3091617	937356	NoCal	NoCal
36) Toxaphene...	7.525	8.628	182372	4263275	173.156	1576.476 #
37) Toxaphene...	7.811	8.980	244254	288938	125.602	82.967
38) Toxaphene...	8.140f	8.980f	28943	288938	2.766	52.292 #
39) Toxaphene...	8.377	9.064	90809	86822	22.477	9.619 #
40) Toxaphene...	8.566f	9.248	986385	115153	300.016	22.930 #
41) Toxaphene...	8.638	9.635	201988	1079962	46.516	192.364 #
42) Toxaphene...	3.790f	3.772f	3091617	937356	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 17:16
Operator : MJB
Sample : 0010165-MSD1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:52:52 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 17:54
 Operator : MJB
 Sample : 0A16028-CCV3
 Misc : A19K134, 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: Jan 17 10:52:59 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*MJB
1/17/20*

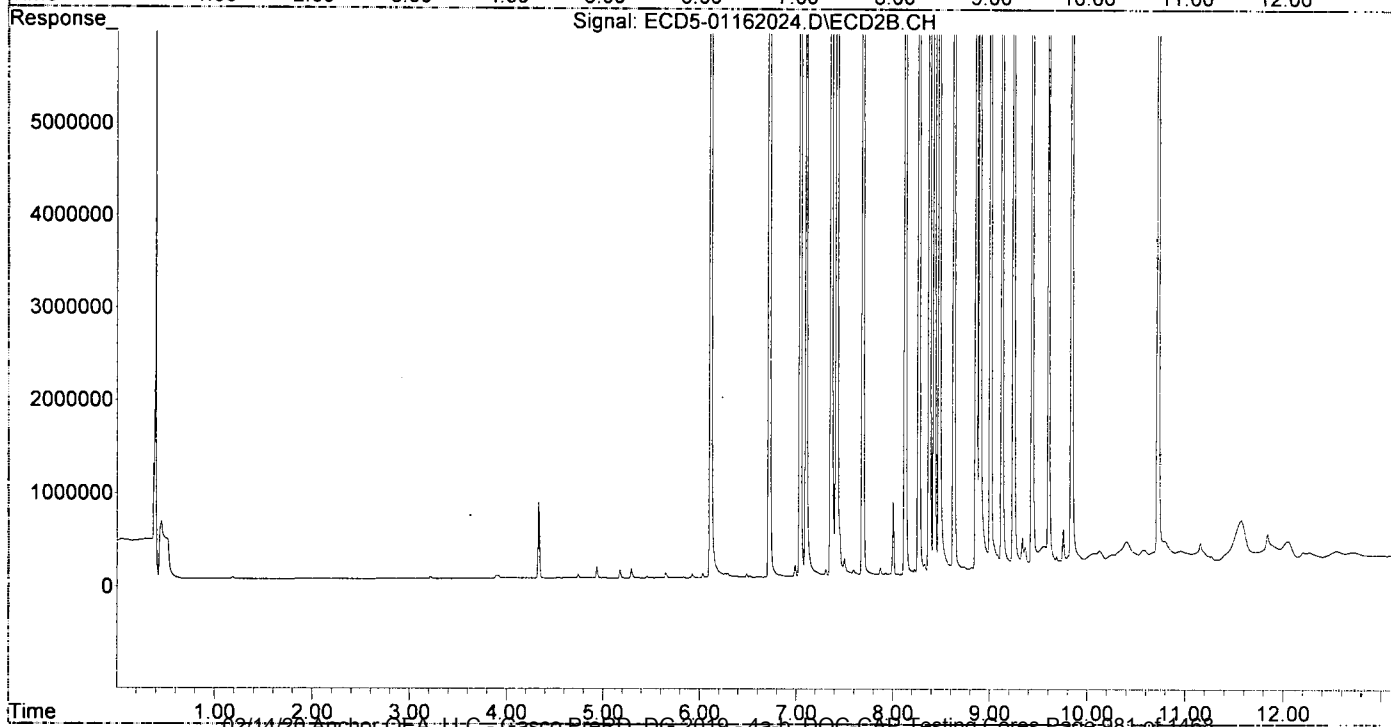
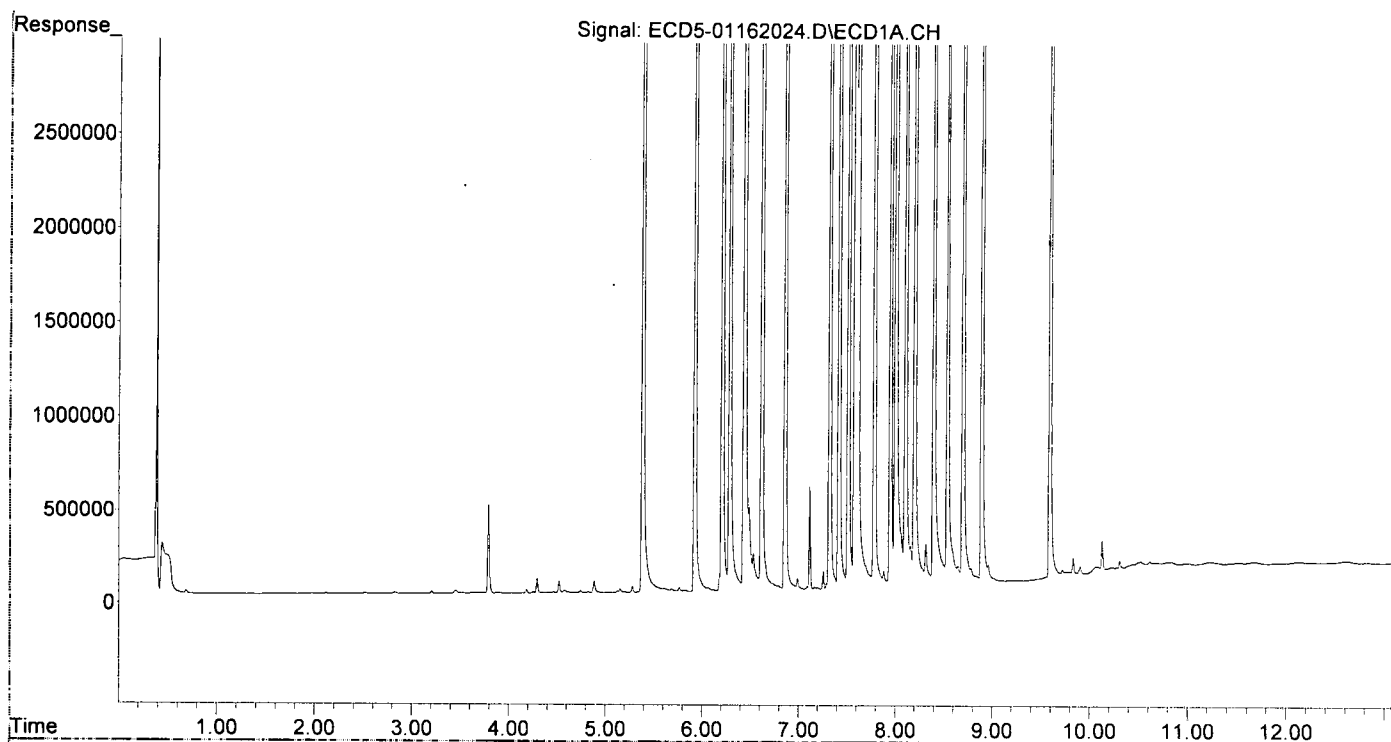
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.112	17831940	30879082	91.324	103.592
22) S DCBP (S)	9.591	10.722	13500293	18212672	91.106	102.349
Target Compounds						
2) a-BHC	5.924	6.720	26660595	47313602	101.308	114.574
3) g-BHC	6.208	7.040	22949652	40999267	98.285	112.297
4) b-BHC	6.285	7.101	8063947	14985293	83.257	93.159
5) Heptachlor	6.618	7.418	23071585	40341442	101.531	113.802
6) d-BHC	6.435	7.360	18602906	37987213	85.396	101.059
7) Aldrin	6.859	7.687	21369834	36670186	96.854	110.102
8) Heptachlo...	7.321	8.126	19831299	32623859	96.196	105.909
9) trans-Chl...	7.416	8.267	19597833	32973580	93.005	105.742
10) cis-Chlor...	7.513	8.375	19297422	32093963	94.305	108.189
11) Endosulfa...	7.610	8.427	18755011	29656614	96.773	106.723
12) 4,4'-DDE	7.578	8.478	17736748	31372093	86.023	96.355
13) Dieldrin	7.782	8.628	20548064	34907158	95.405	112.994
14) Endrin	7.947	8.858	18376215	28684906	106.210	122.081
15) 4,4'-DDD	8.001	8.896	14317077	26162219	82.924	106.434
16) Endosulfa...	8.105	9.005	15567914	26506110	91.244	108.499
17) 4,4'-DDT	8.197	9.124	15009032	24909032	90.600	98.502
18) Endrin Al...	8.395	9.242	12735299	21971469	83.176	98.261
19) Endosulfa...	8.697	9.434	15511300	25691634	96.923	115.900
20) Methoxychlor	8.536	9.602	6703517	11831113	77.400	99.479
21) Endrin Ke...	8.891	9.838	18357937	29764906	96.130	118.854
23) Hexachlor...	3.203	0.000	10460	0	0.052	N.D. #
24) Hexachlor...	5.766	6.597	25190	8607	BelowCal	0.027
25) Oxychlordane	7.256	8.049	95520	10533	0.344	0.038 #
26) 2,4'-DDE	7.321	8.267	19831299	32973580	139.078	156.576
27) trans-Non...	7.513	8.328	19297422	111018	96.362	0.361 #
28) 2,4'-DDD	0.000	8.628	0	34907158	N.D.	189.260 #
29) 2,4'-DDT	7.881	8.858	81467	28684906	0.556	126.213 #
30) cis-Nonac...	8.001	8.896	14317077	26162219	60.744	76.691
31) Mirex	8.646	9.838	93646	29764906	0.448	148.113 #
32) Chlordane...	7.416f	8.267	19597833	32973580	835.315	847.716
33) Chlordane...	7.513	8.375	19297422	32093963	669.567	999.877 #
34) Chlordane...	8.105f	0.000	15567914	0	2046.366	N.D. #
35) Chlordane...	3.789f	0.000	475523	0	NoCal	N.D.
36) Toxaphene...	7.513	8.628	19297422	34907158	18322.275	12907.985
37) Toxaphene...	7.782f	9.005f	20548064	26506110	10566.382	7611.104
38) Toxaphene...	8.105	9.005	15567914	26506110	3553.129	3892.676
39) Toxaphene...	8.395f	0.000	12735299	0	3152.273	N.D. #
40) Toxaphene...	0.000	9.242	0	21971469	N.D.	4375.085 #
41) Toxaphene...	8.646	9.602f	93646	11831113	21.566	2107.368 #
42) Toxaphene...	3.789f	0.000	475523	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 17:54
Operator : MJB
Sample : 0A16028-CCV3
Misc : A19K134, 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: Jan 17 10:52:59 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 18:11
 Operator : MJB
 Sample : 0A16028-CCV4
 Misc : A19J409, 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: Jan 17 10:53:07 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 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)	5.357f	6.116	38426	11708	0.197	0.039 #
22) S DCBP (S)	9.593	10.722	66636	124474	0.290	0.700 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.186f	0.000	14716	0	0.063	N.D. #
4) b-BHC	6.282	7.105	18222	8250	0.018	0.051 #
5) Heptachlor	6.620	7.418	15858	26864	0.070	0.076 #
6) d-BHC	6.443	7.361	7929	12703	0.036	0.096 #
7) Aldrin	0.000	7.690	0	5135	N.D.	0.015 #
8) Heptachlo...	7.327	8.123	11031181	93231	53.509	0.303 #
9) trans-Chl...	7.417	8.255f	181071	20507319	0.859	65.764 #
10) cis-Chlor...	7.506	8.423f	18448027	52159	90.154	0.176 #
11) Endosulfa...	0.000	8.423	0	52159	N.D.	0.188 #
12) 4,4'-DDE	0.000	8.521f	0	13593	N.D.	0.080 #
13) Dieldrin	0.000	8.631	0	18165622	N.D.	58.802 #
14) Endrin	7.977	8.858	20307599	20922446	117.373	89.045 #
15) 4,4'-DDD	7.977f	8.899	20307599	35898847	117.620	146.045 #
16) Endosulfa...	8.102	9.046f	65774	135073	0.386	0.553 #
17) 4,4'-DDT	8.199	0.000	25648	0	0.155	N.D. #
18) Endrin Al...	8.398	9.244	20109	102683	0.131	0.459 #
19) Endosulfa...	8.746f	9.434	72836	35315	0.455	0.159 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.893	9.835	13978	18924981	0.073	75.569 #
23) Hexachlor...	3.185	3.797	19870548	42919859	99.628	107.105 #
24) Hexachlor...	5.767	6.582	15924062	30135597	82.440	94.144 #
25) Oxychlordane	7.249	8.055	16668244	28480870	94.328 ²¹	101.829 #
26) 2,4'-DDE	7.327	8.255	11031181	20507319	77.362	97.380 #
27) trans-Non...	7.506	8.330	18448027	31846773	92.148 ²¹	103.571 #
28) 2,4'-DDD	7.701	8.631	9484872	18165622	74.547 ²¹	98.491 #
29) 2,4'-DDT	7.883	8.858	11648169	20922446	79.523	96.372 #
30) cis-Nonac...	7.977	8.899	20307599	35898847	86.160	105.232 #
31) Mirex	8.644	9.835	12166413	18924981	91.196	98.703 #
32) Chlordane...	7.417f	8.255f	181071	20507319	7.718	527.222 #
33) Chlordane...	7.506f	8.423f	18448027	52159	640.095	1.625 #
34) Chlordane...	8.102f	9.046	65774	135073	8.646	12.721 #
35) Chlordane...	3.789f	3.797	479844	42919859	NoCal	NoCal
36) Toxaphene...	7.506	8.631	18448027	18165622	17515.803	6717.292 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.102	0.000	65774	0	11.578	N.D. #
39) Toxaphene...	8.321f	9.046f	36416	135073	9.014	14.965 #
40) Toxaphene...	0.000	9.244	0	102683	N.D.	20.447 #
41) Toxaphene...	8.644	0.000	12166413	0	2801.798	N.D. #
42) Toxaphene...	3.789f	3.797	479844	42919859	NoCal	NoCal

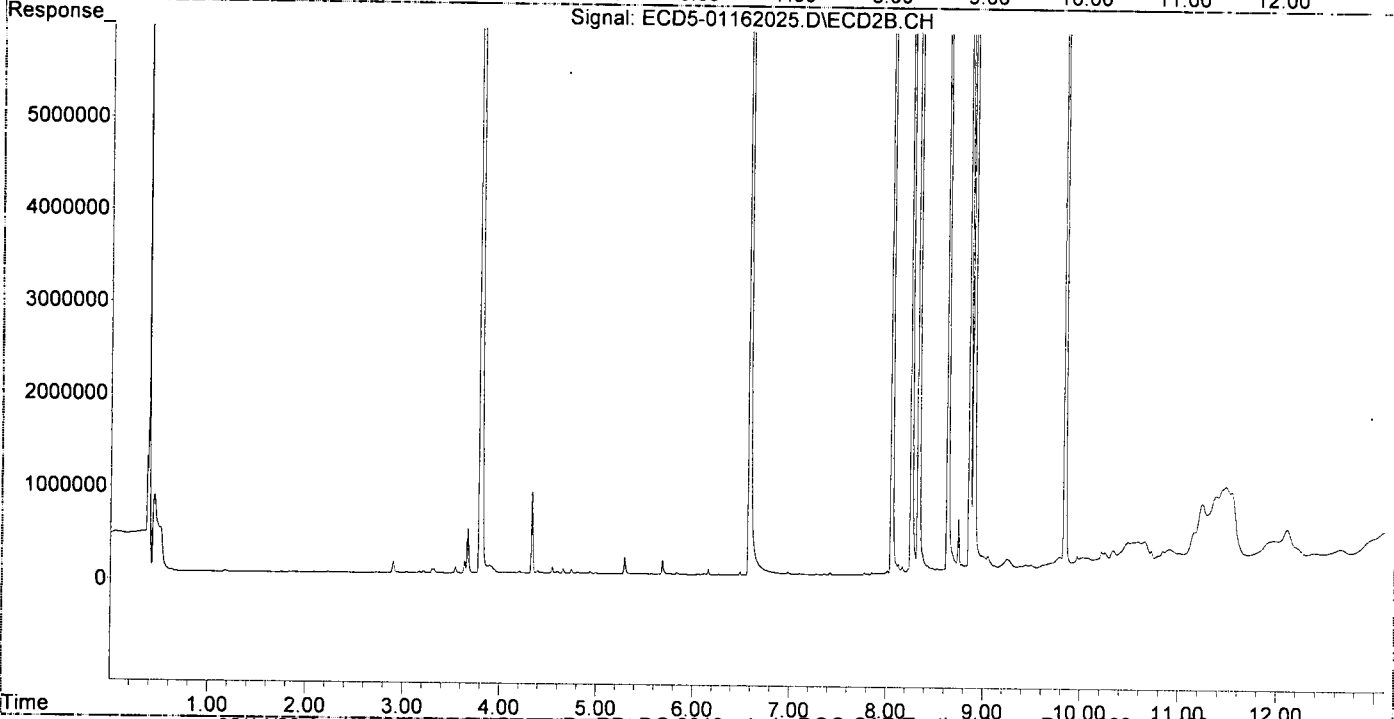
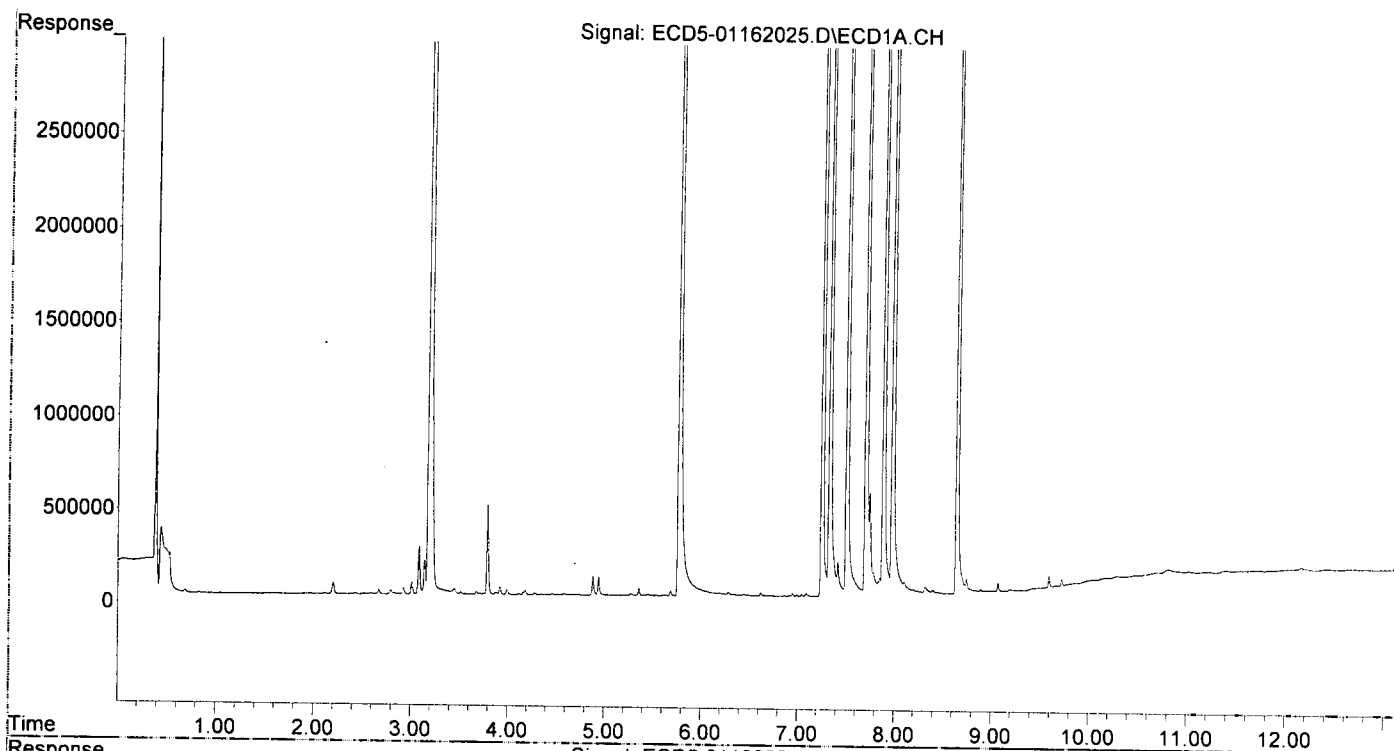
MJB
1/17/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 18:11
Operator : MJB
Sample : 0A16028-CCV4
Misc : A19J409, 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: Jan 17 10:53:07 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 18:29
 Operator : MJB
 Sample : 0A16028-CCB2
 Misc : A19L339
 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: Jan 17 10:53:14 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

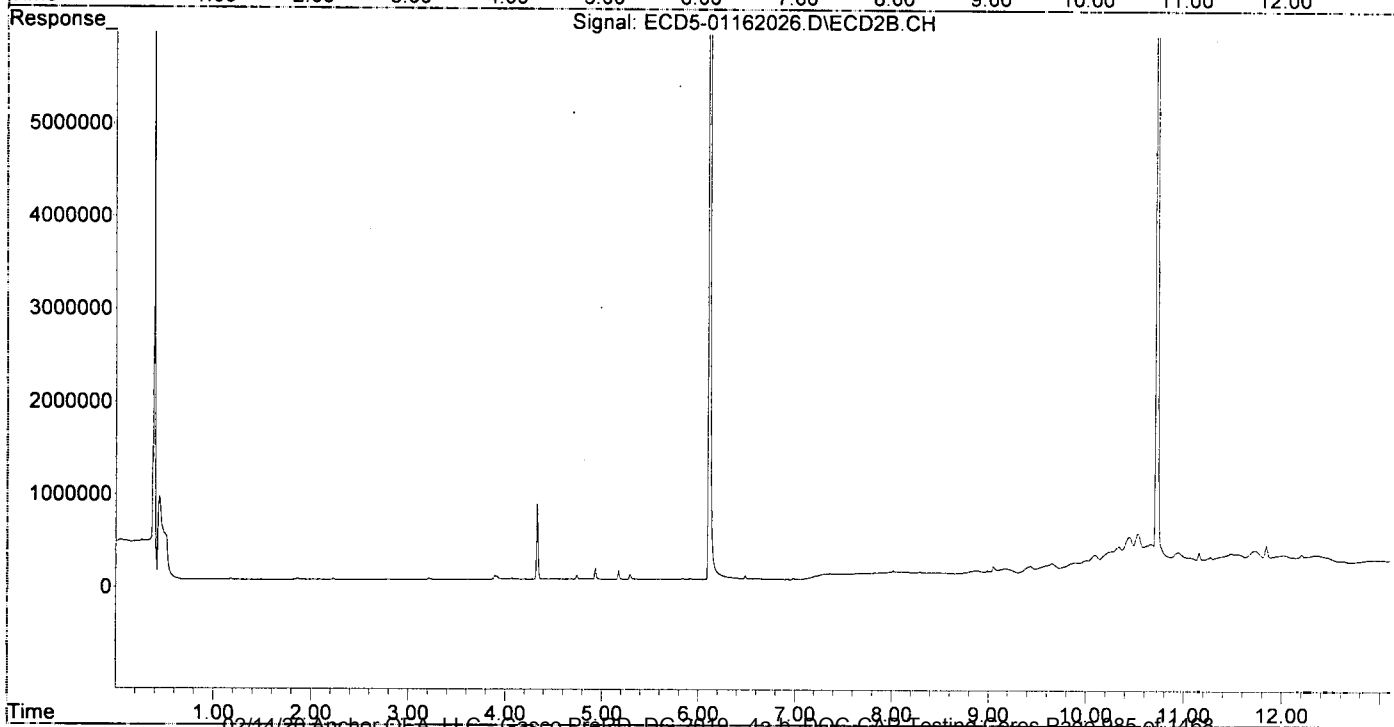
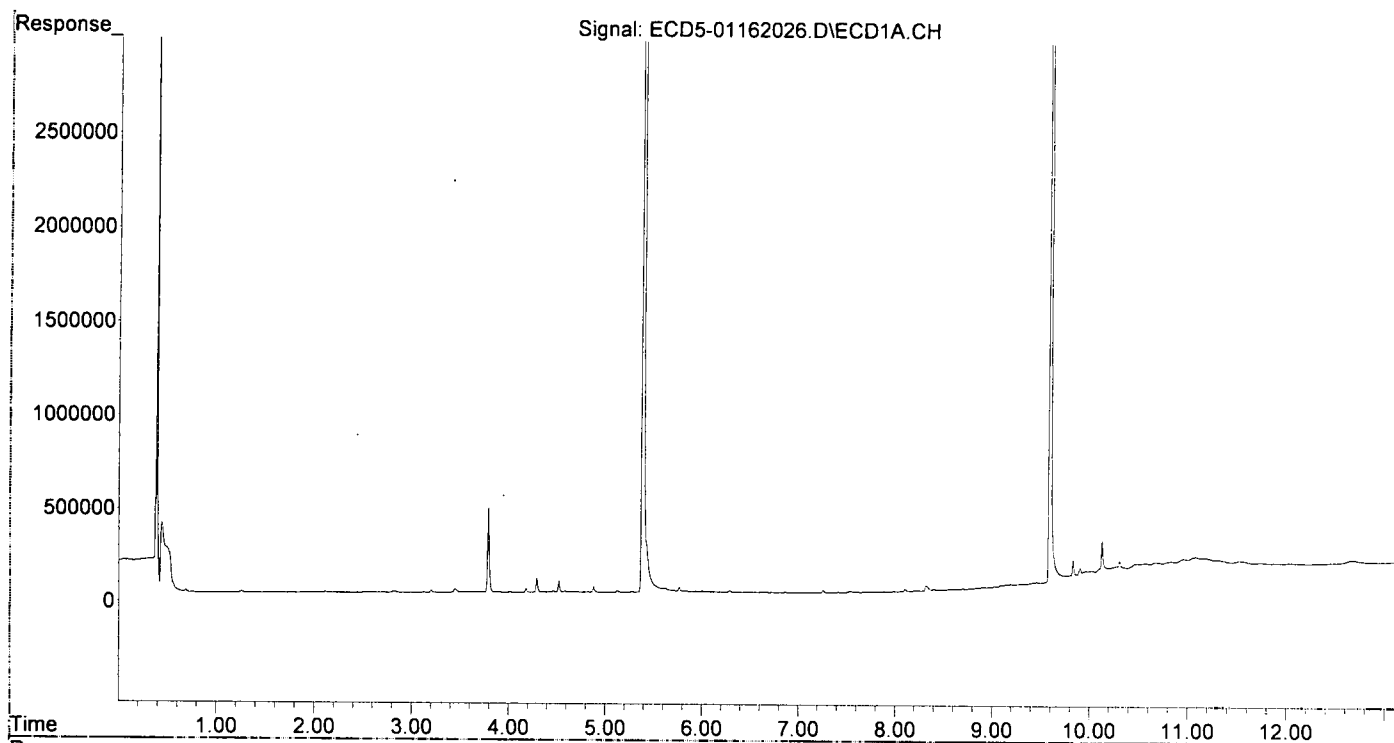
MJB
1/17/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.111	16832773	30036983	86.207	100.767
22) S DCBP (S)	9.593	10.723	13660109	17373900	92.199	97.635
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	6.288	0.000	9297	0	5931.907	N.D. #
5) Heptachlor	0.000	7.415	0	4127	N.D.	0.012 #
6) d-BHC	0.000	7.364	0	16723	N.D.	0.108 #
7) Aldrin	0.000	7.697	0	2339	N.D.	0.007 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.413	8.293	2690	8335	0.013	0.027 #
10) cis-Chlor...	7.539	0.000	5759	0	0.028	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	7.981f	8.898f	1453	25200	0.008	0.107 #
15) 4,4'-DDD	7.981f	8.898	1453	25200	0.008	0.103 #
16) Endosulfa...	8.105	9.007	12721	18878	0.075	0.077
17) 4,4'-DDT	0.000	9.165f	0	43885	N.D.	0.235 #
18) Endrin Al...	8.401	9.240	8445	27093	0.055	0.121 #
19) Endosulfa...	8.702	9.432	6164	60709	0.039	0.274 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.896	0.000	4052	0	0.021	N.D. #
23) Hexachlor...	3.202	0.000	10800	0	0.054	N.D. #
24) Hexachlor...	5.767	6.600	26040	5815	BelowCal	0.018
25) Oxychlordane	7.257	8.058	13144	3710	BelowCal	0.013
26) 2,4'-DDE	0.000	8.293f	0	8335	N.D.	0.040 #
27) trans-Non...	7.539f	0.000	5759	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.898f	0	25200	N.D.	0.033 #
30) cis-Nonac...	7.981	8.898	1453	25200	0.006	0.074 #
31) Mirex	8.646	0.000	3476	0	6723.022	N.D. #
32) Chlordane...	7.413f	8.293	2690	8335	0.115	0.214 #
33) Chlordane...	7.539	0.000	5759	0	0.200	N.D. #
34) Chlordane...	8.105f	9.049	12721	70239	1.672	6.615 #
35) Chlordane...	3.789f	0.000	452984	0	NoCal	N.D.
36) Toxaphene...	7.539f	0.000	5759	0	5.468	N.D. #
37) Toxaphene...	0.000	8.987	0	25748	N.D.	7.393 #
38) Toxaphene...	8.105	9.007	12721	18878	BelowCal	BelowCal
39) Toxaphene...	8.323f	9.049f	27809	70239	6.883	7.782
40) Toxaphene...	0.000	9.240	0	27093	N.D.	5.395 #
41) Toxaphene...	8.646	9.654f	3476	77115	0.801	13.736 #
42) Toxaphene...	3.789f	0.000	452984	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 18:29
Operator : MJB
Sample : 0A16028-CCB2
Misc : A19L339
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: Jan 17 10:53:14 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 19:23
 Operator : MJB
 Sample : A9J0816-12RE105 *MR 11/7/20*
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 11:16:52 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

R-01

MR 11/7/20

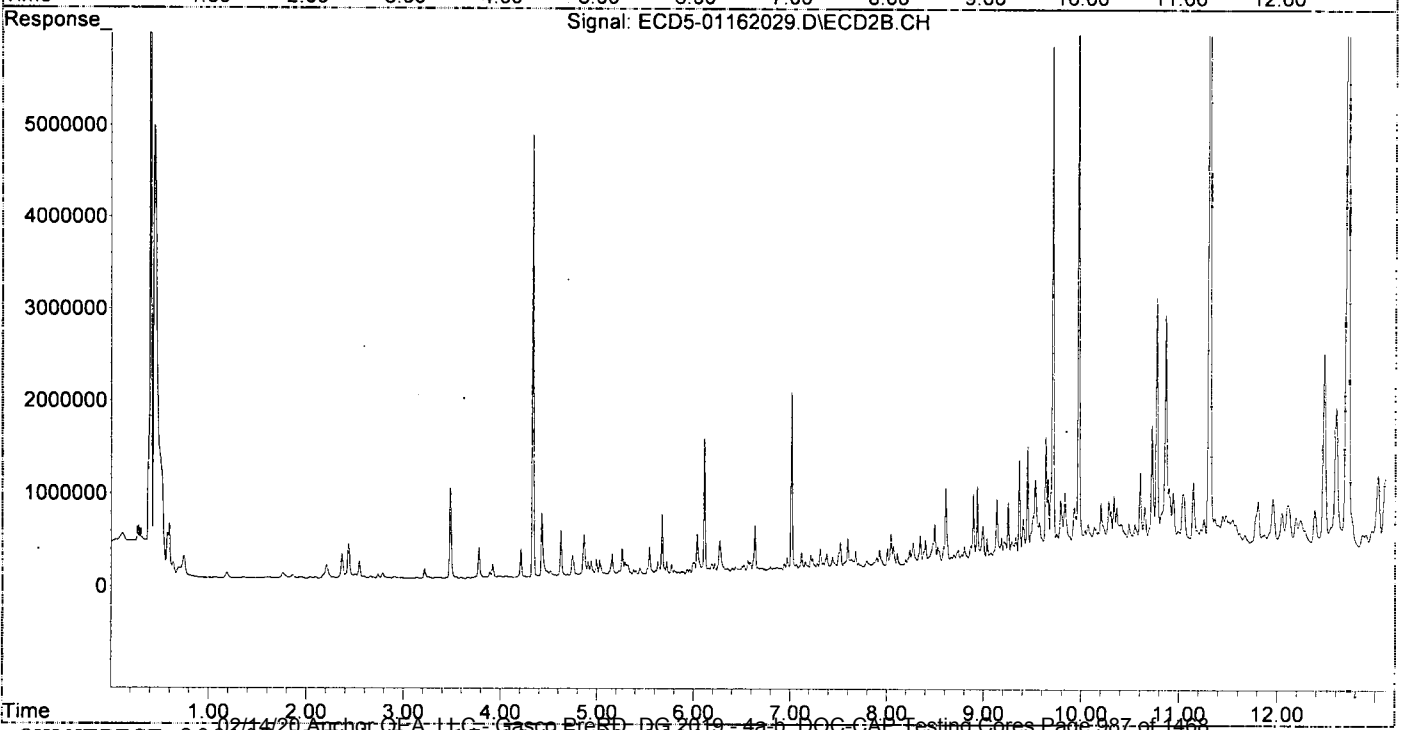
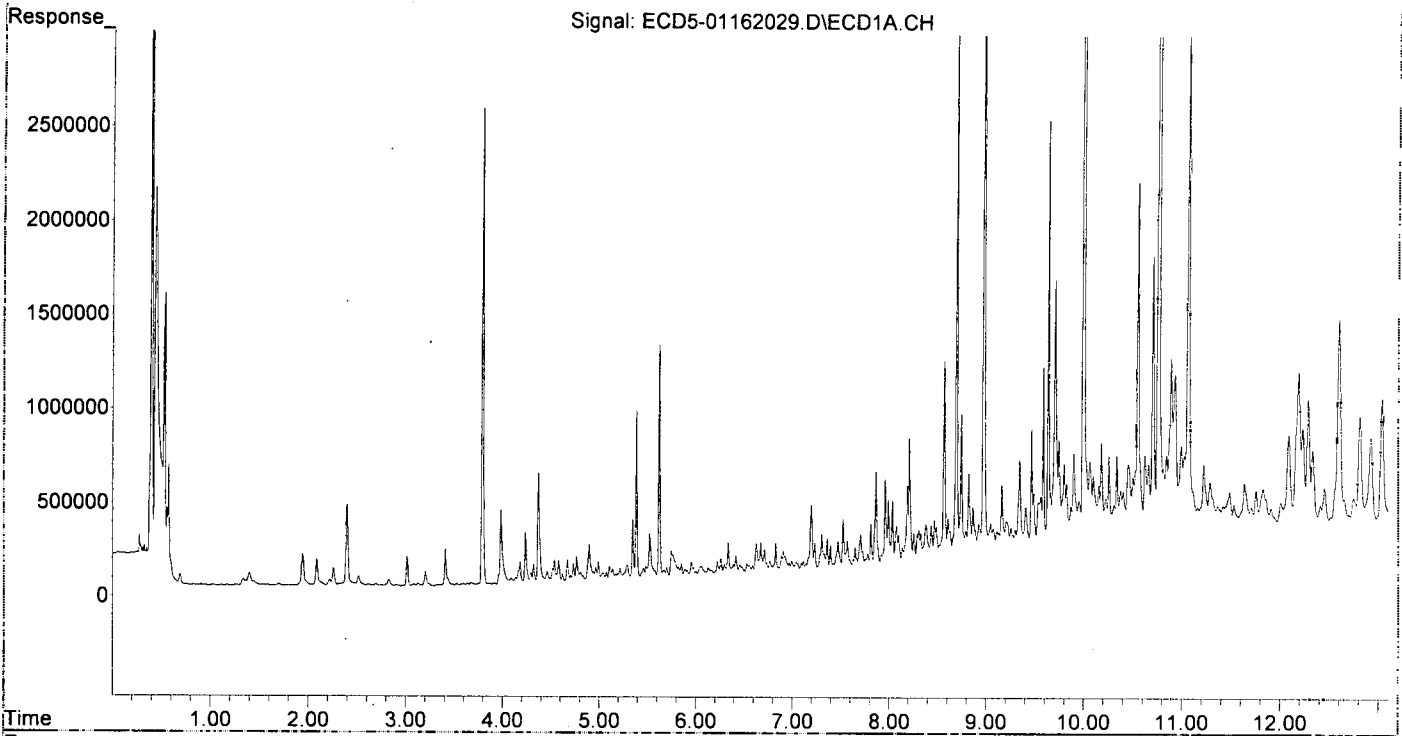
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.112	886807	1448183	4.542	4.858
22) S DCBP (S)	9.588	10.723	962035	1396880	6.280	<u>7.850</u> <i>S-01</i>
Target Compounds						
2) a-BHC	5.914	6.737	20840	17377	0.079	0.042 #
3) g-BHC	6.225	7.063	58948	55905	0.252	0.153
4) b-BHC	6.298	7.117	44210	180682	0.283	1.123 #
5) Heptachlor	6.627	7.440	146557	120165	0.645	0.339 #
6) d-BHC	6.458	7.380	36075	158394	0.166	0.529 #
7) Aldrin	6.908f	7.707	99654	45090	0.452	0.135 #
8) Heptachlo...	7.306f	8.109f	174096	133053	0.844	0.432 #
9) trans-Chl...	7.394f	8.272	109649	240580	0.520	0.772 #
10) cis-Chlor...	7.526	8.381	243165	139683	1.188	0.471 #
11) Endosulfa...	7.651f	8.474f	87111	225347	0.449	0.811 #
12) 4,4'-DDE	7.570	8.494	128747	427863	0.624	1.502 # <i>P-01</i>
13) Dieldrin	7.782	8.663f	48177	66897	0.224	0.217
14) Endrin	7.961	8.869	436258	184703	2.521 <i>MDL MR</i>	0.786 #
15) 4,4'-DDD	7.994	8.892	326445	733273	1.891	2.983 # <i>P-01</i>
16) Endosulfa...	8.139f	9.033	60412	249622	0.354	1.022 #
17) 4,4'-DDT	8.210	9.133	638362	666710	3.853	3.135 # <i>P-02</i>
18) Endrin Al...	8.383f	9.250	176236	626710	1.151	2.803 #
19) Endosulfa...	8.697	9.448	2885585	1209653	18.031	5.457 #
20) Methoxychlor	8.570f	9.635f	1036811	1314191	11.971	11.050
21) Endrin Ke...	8.926f	9.830f	155832	714548	0.816	2.853 #
23) Hexachlor...	3.205	3.775f	77713	338964	0.390	0.846 #
24) Hexachlor...	5.748f	6.587	130745	100775	0.523	0.315
25) Oxychlordane	7.232f	8.069	128545	211817	0.534	0.757 #
26) 2,4'-DDE	7.318	8.264	68387	169010	0.480m	0.803m#
27) trans-Non...	7.526	8.344	243165	314887	1.070	1.024
28) 2,4'-DDD	7.706	8.626	150968	217126	1.187	1.177m <i>MDL MR</i>
29) 2,4'-DDT	7.873	8.869	240616	184703	1.643m	0.898 #
30) cis-Nonac...	7.994	8.892	326445	733273	1.385	2.149 #
31) Mirex	8.610f	9.830	201495	714548	1.248	3.856 #
32) Chlordane...	7.472f	8.272	131473	240580	5.604	6.185
33) Chlordane...	7.526	8.381	243165	139683	8.437	4.352 #
34) Chlordane...	8.078	9.075	184051	97477	24.193	9.181 #
35) Chlordane...	3.791f	3.775f	2536253	338964	NoCal	NoCal
36) Toxaphene...	7.526	8.608	243165	804332	230.877	297.426
37) Toxaphene...	7.813	8.989f	206512	386750	106.194	111.053
38) Toxaphene...	8.139f	8.989	60412	386750	10.295	71.216 #
39) Toxaphene...	8.383f	9.075	176236	97477	43.622	10.800 #
40) Toxaphene...	8.570	9.250	1036811	626710	315.353	124.794 #
41) Toxaphene...	0.000	9.635	0	1314191	N.D.	234.085 #
42) Toxaphene...	3.791	3.775f	2536253	338964	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 19:23
Operator : MJB
Sample : A9J0816-12RE1@5 *MA 117123*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

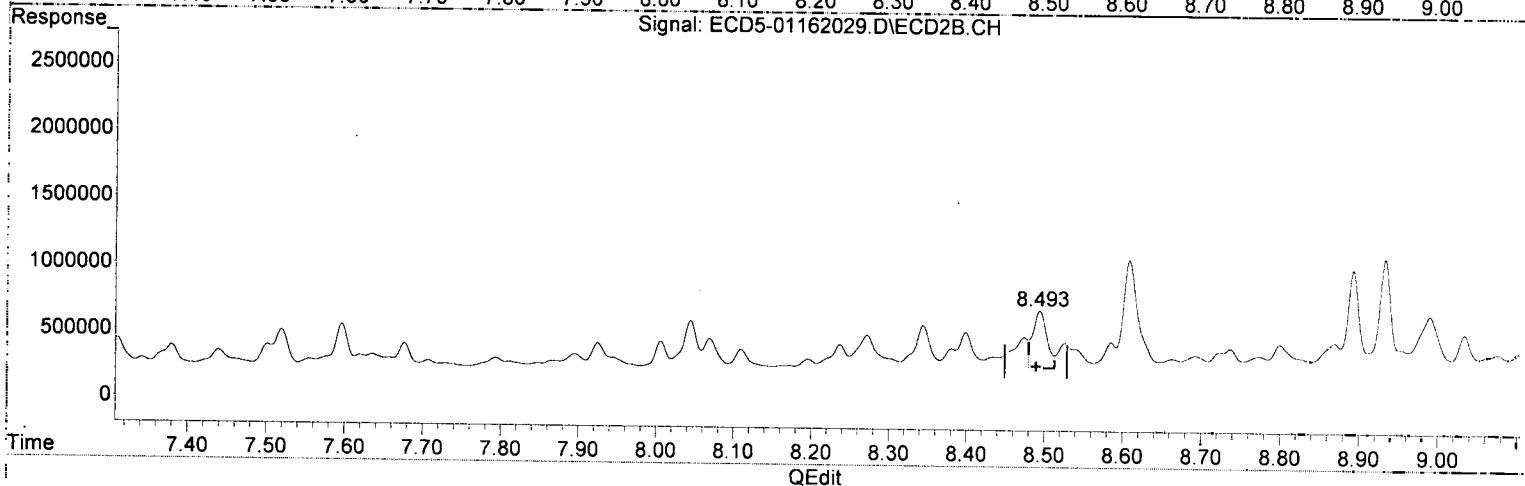
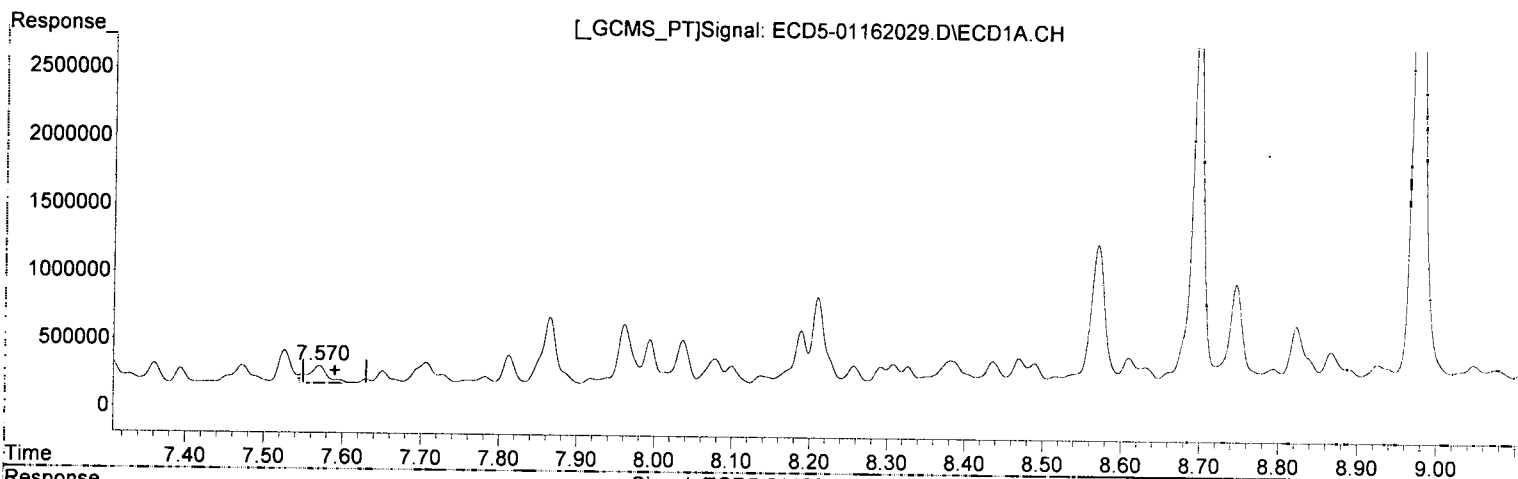
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 17 11:16:52 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 19:23
Operator : MJB
Sample : A9J0816-12RE105 *MJB V17120*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:27 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE

7.570min 0.624 ng/mL

response 128747

MJB V17120

(12) 4,4'-DDE #2

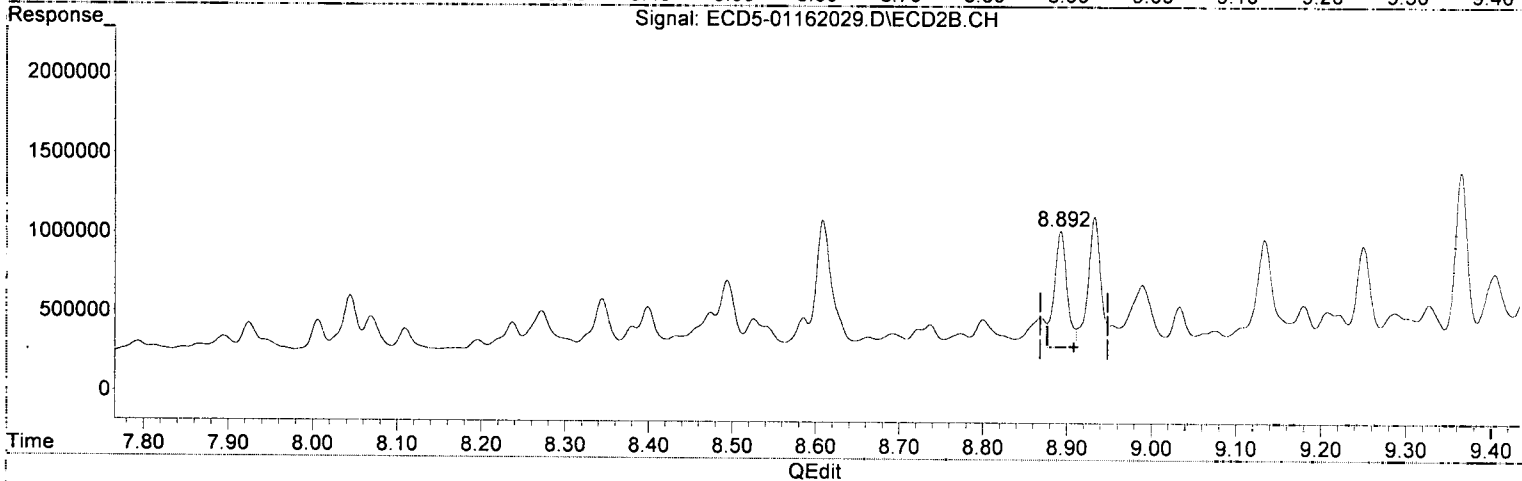
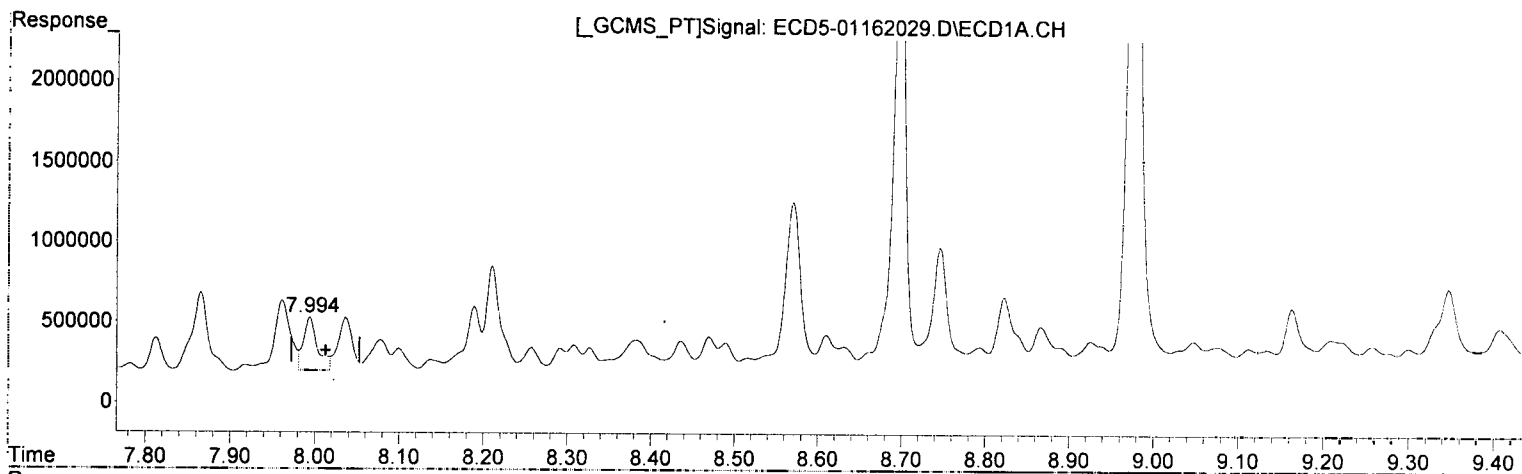
8.494min 1.502 ng/mL *P-1*

response 427863

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 19:23
 Operator : MJB *61*
 Sample : A9J0816-12RE1@5 *MJ 1/17/20*
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:27 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD

7.994min 1.891 ng/mL *MD-MCL*
 response 326445

WB 1/17/20

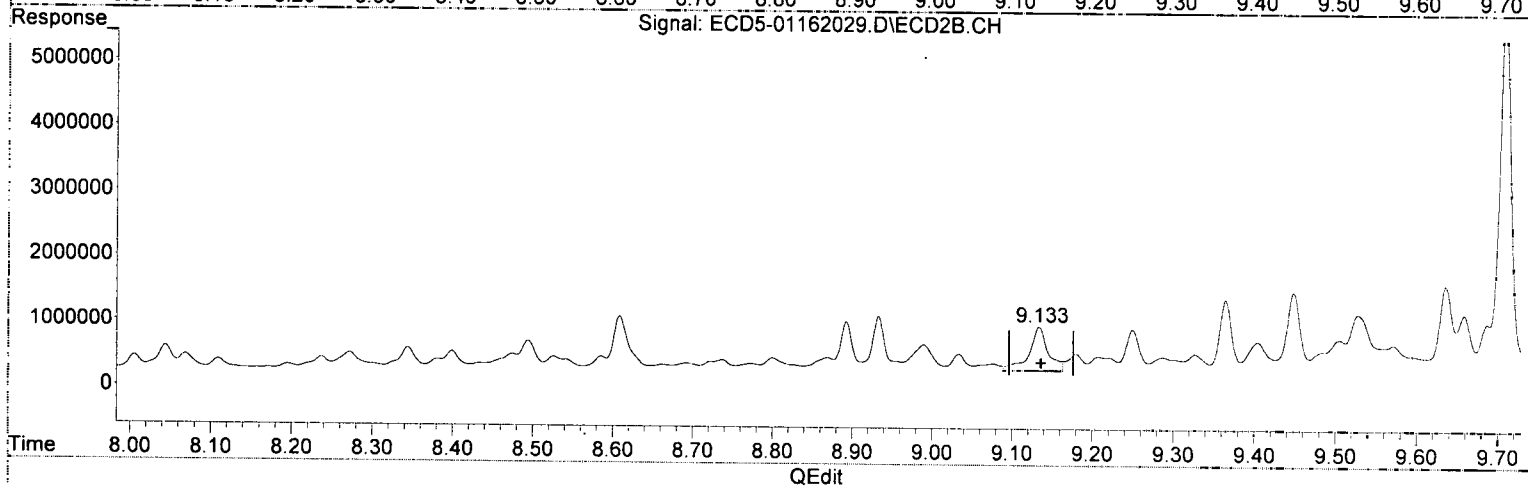
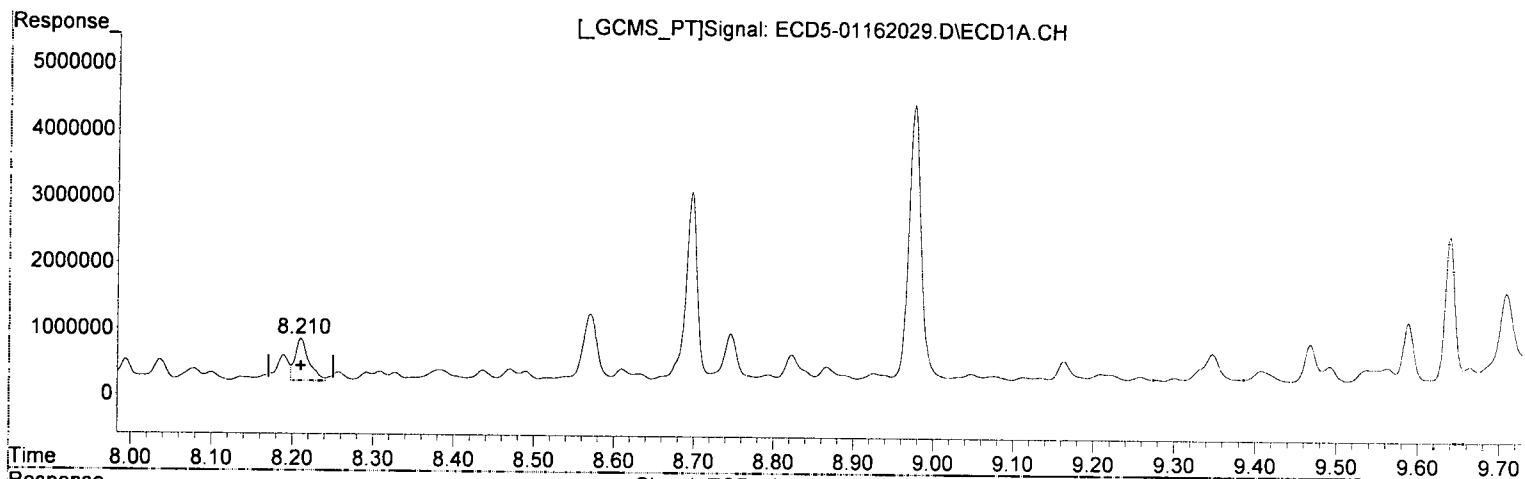
(15) 4,4'-DDD #2

8.892min 2.983 ng/mL *P-01*
 response 733273

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 19:23
Operator : MJB
Sample : A9J0816-12RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:27 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.210min 3.853 ng/mL
response 638362

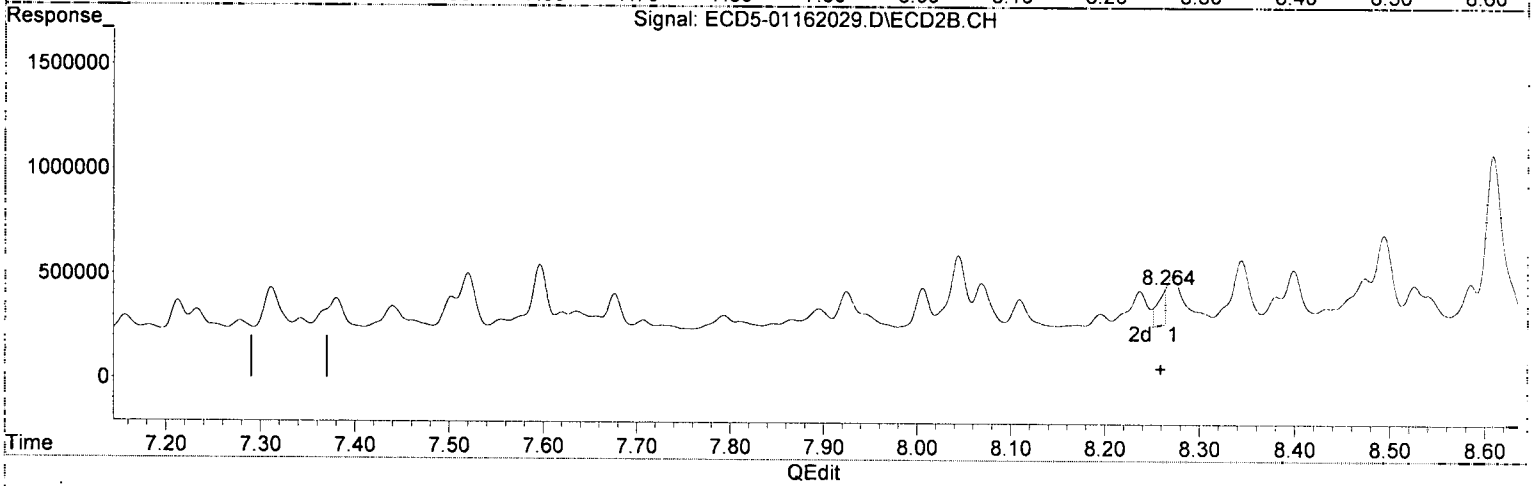
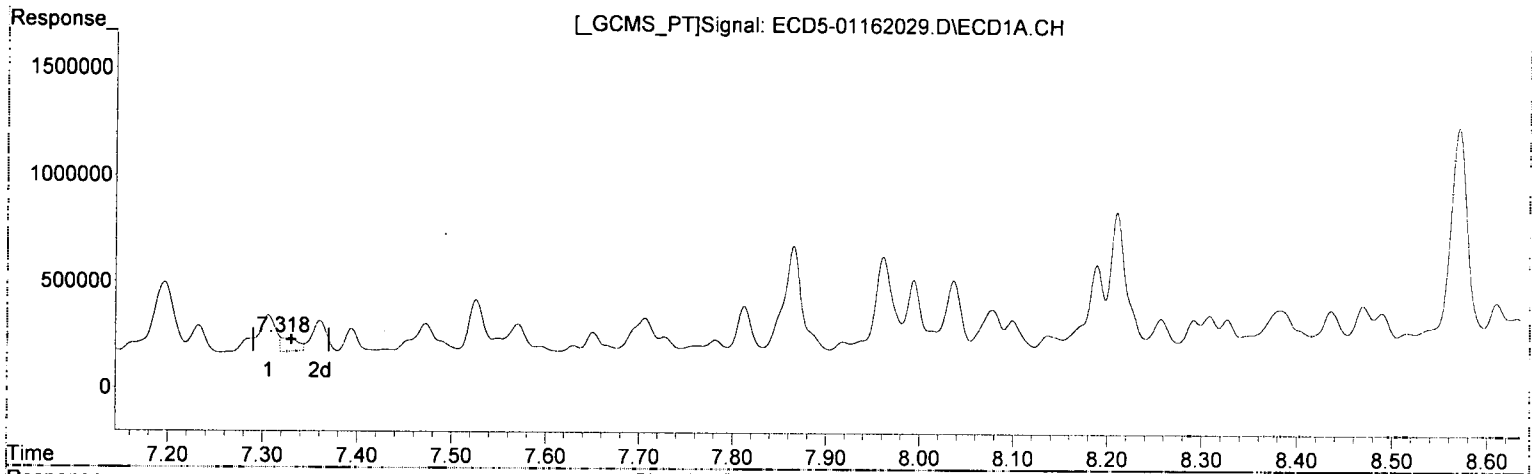
(17) 4,4'-DDT #2
9.133min 3.135 ng/mL *R-02*
response 666710

MJB 1/17/20
RT shift does not match surrogate shifts.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 19:23
 Operator : MJB ⁶¹
 Sample : A9J0816-12RE1@5 ^{MJB 1/17/20}
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:27 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.318min 0.480 ng/mL(m)
 response 68387

MJB 1/17/20

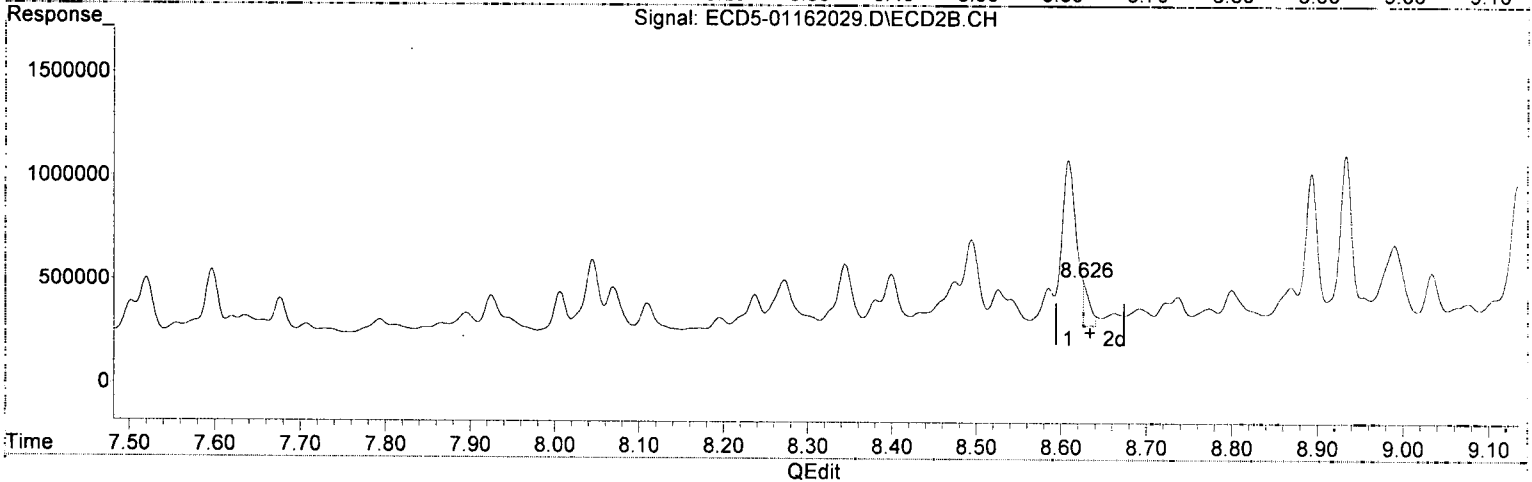
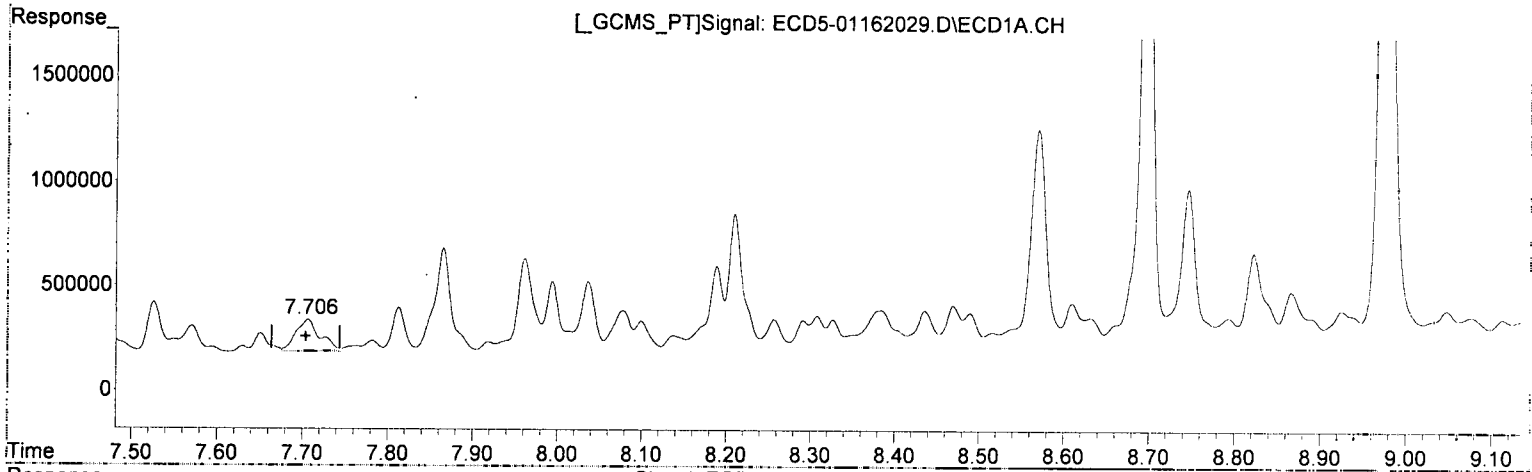
(26) 2,4'-DDE #2

8.264min 0.803 ng/mL(m)
 response 169010

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 19:23
Operator : MJB
Sample : A9J0816-12RE105 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:27 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.706min 1.187 ng/mL

response 150968

MJB 1/17/20

(28) 2,4'-DDD #2

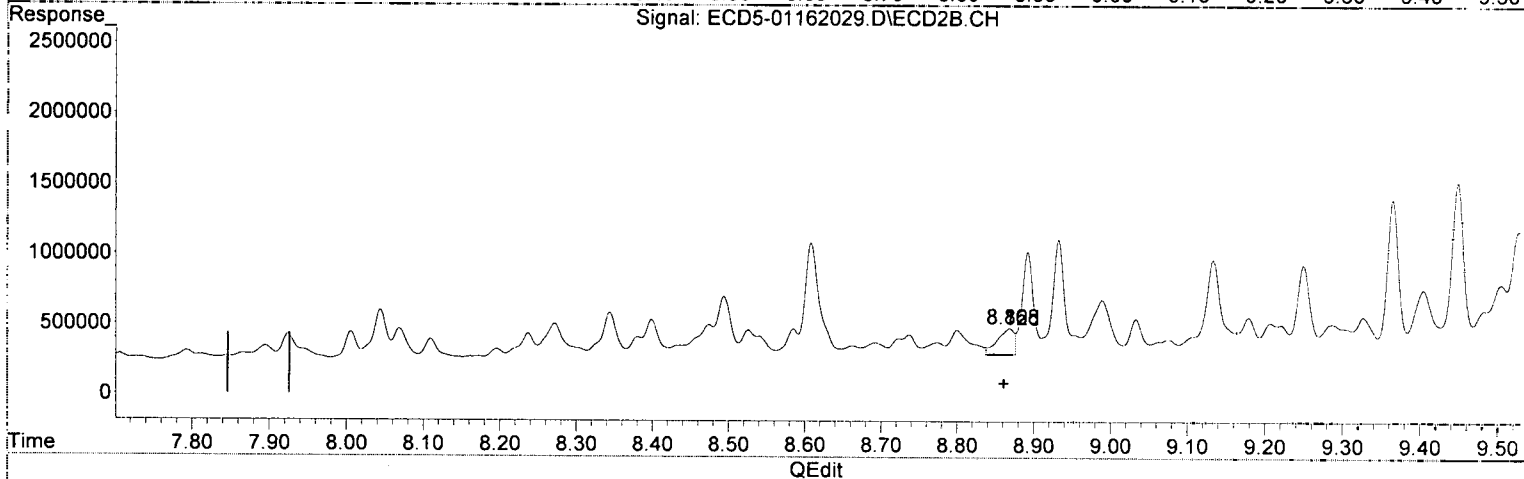
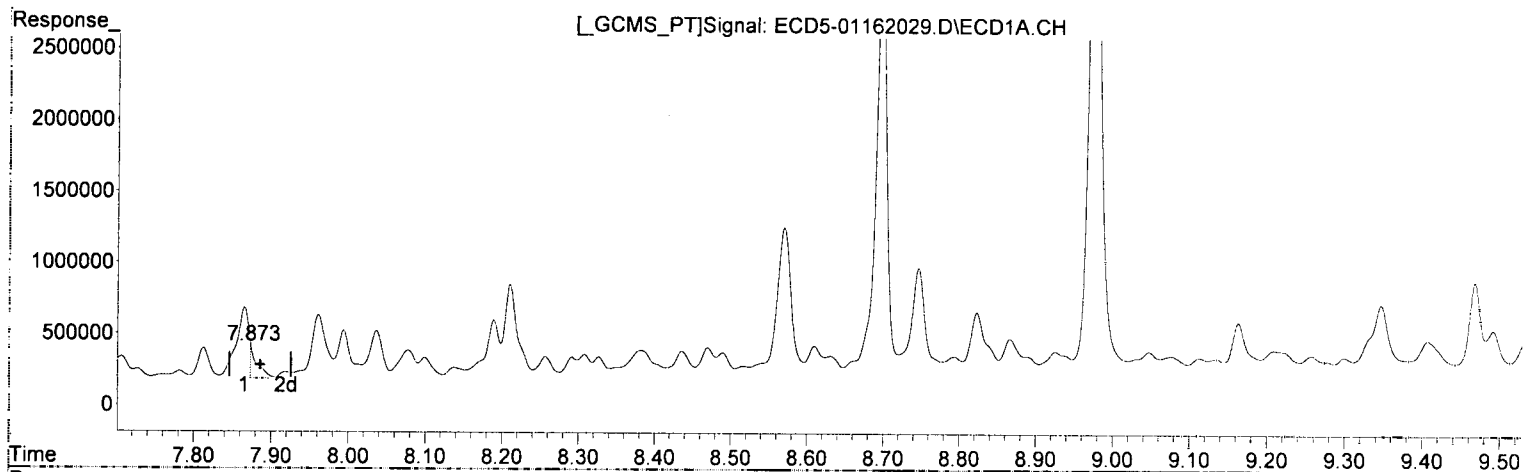
8.626min 1.177 ng/mL *MDV-MRL*

response 217126

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 19:23
Operator : MJB
Sample : A9J0816-12RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:27 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT

7.873min 1.643 ng/mL *(m)*

response 240616

MJB 1/17/20

(29) 2,4'-DDT #2

8.869min 0.898 ng/mL

response 184703

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 19:23
 Operator : MJB
 Sample : A9J0816-12RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:27 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

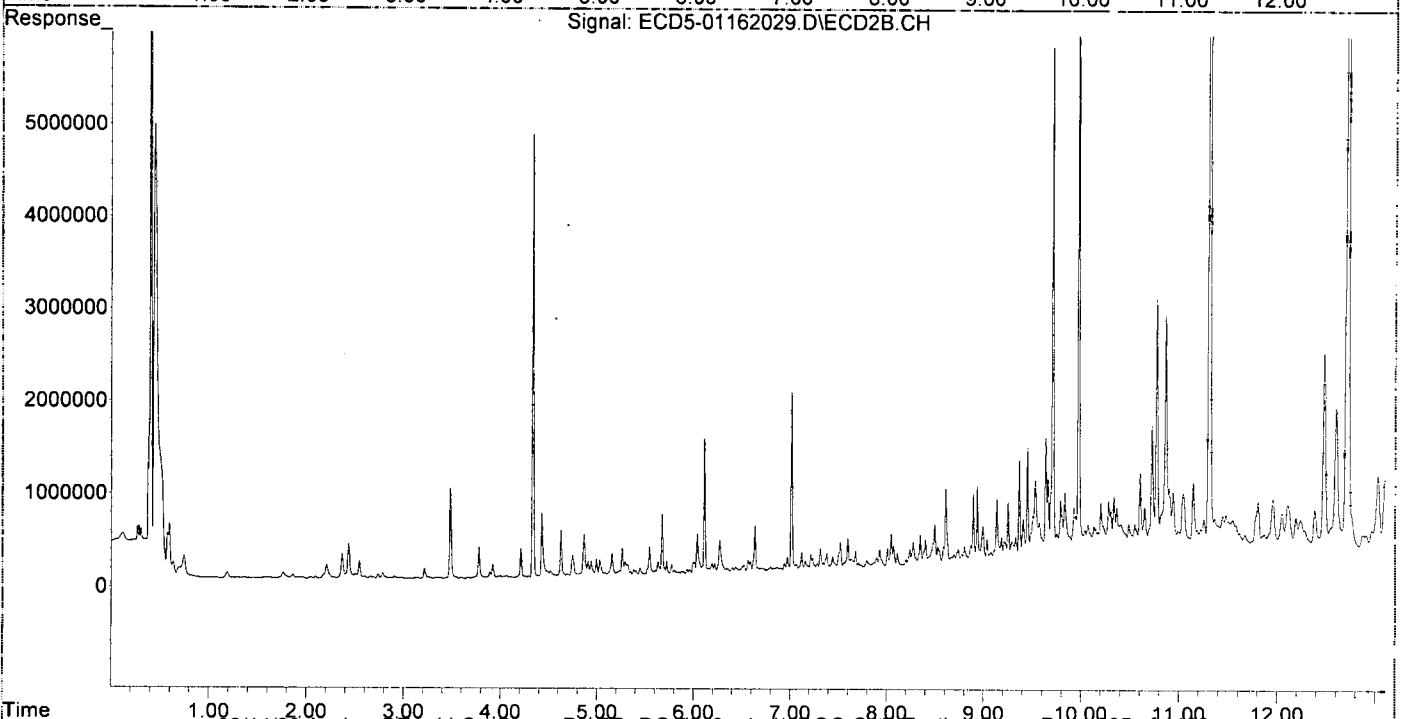
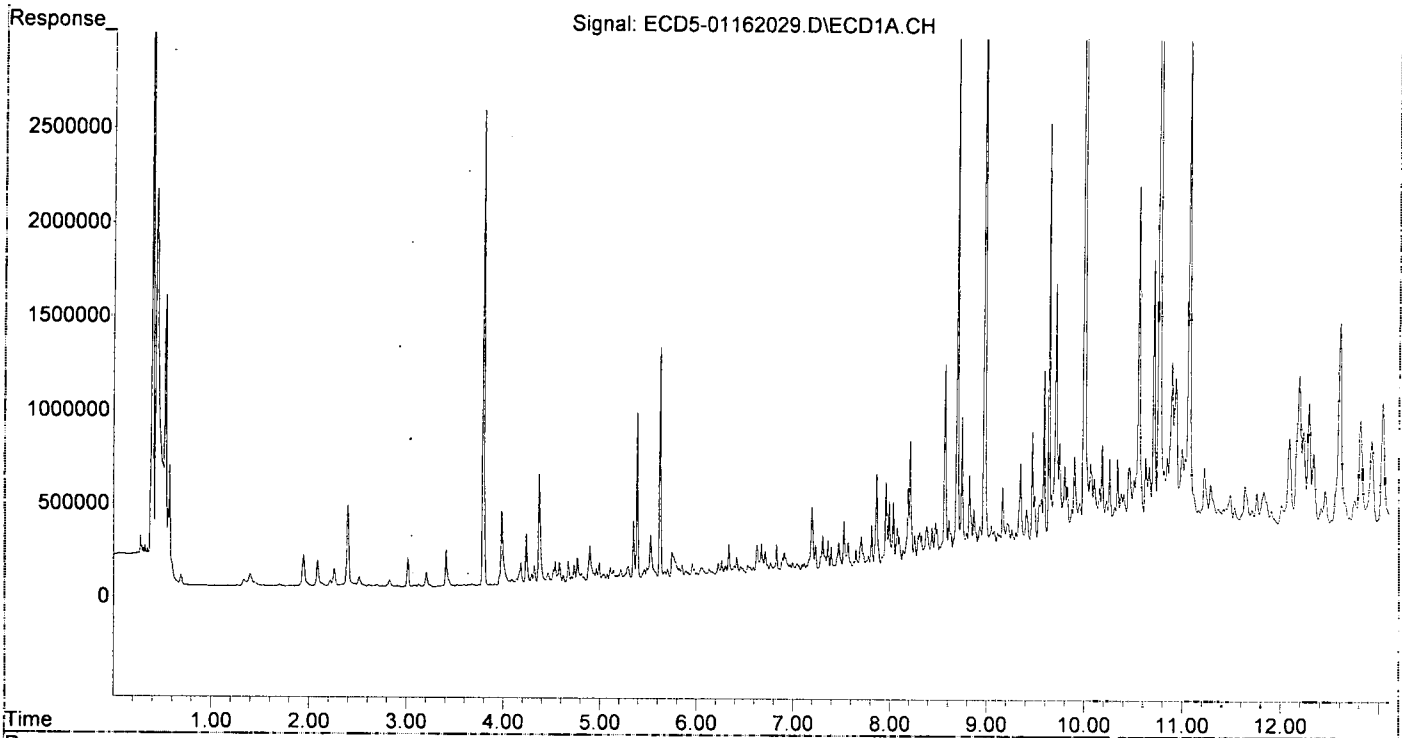
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.112	886807	1448183	4.542	4.858
22) S DCBP (S)	9.588	10.723	962035	1396880	6.280	7.850
Target Compounds						
2) a-BHC	5.914	6.737	20840	17377	0.079	0.042 #
3) g-BHC	6.225	7.063	58948	55905	0.252	0.153 #
4) b-BHC	6.298	7.117	44210	180682	0.283	1.123 #
5) Heptachlor	6.627	7.440	146557	120165	0.645	0.339 #
6) d-BHC	6.458	7.380	36075	158394	0.166	0.529 #
7) Aldrin	6.908f	7.707	99654	45090	0.452	0.135 #
8) Heptachlo...	7.306f	8.109f	174096	133053	0.844	0.432 #
9) trans-Chl...	7.394f	8.272	109649	240580	0.520	0.772 #
10) cis-Chlor...	7.526	8.381	243165	139683	1.188	0.471 #
11) Endosulfa...	7.651f	8.474f	87111	225347	0.449	0.811 #
12) 4,4'-DDE	7.570	8.494	128747	427863	0.624	1.502 #
13) Dieldrin	7.782	8.663f	48177	66897	0.224	0.217 #
14) Endrin	7.961	8.869	436258	184703	2.521	0.786 #
15) 4,4'-DDD	7.994	8.892	326445	733273	1.891	2.983 #
16) Endosulfa...	8.139f	9.033	60412	249622	0.354	1.022 #
17) 4,4'-DDT	8.210	9.173	638362	666710	3.853	3.135 #
18) Endrin Al...	8.383f	9.250	176236	626710	1.151	2.803 #
19) Endosulfa...	8.697	9.448	2885585	1209653	18.031	5.457 #
20) Methoxychlor	8.570f	9.635f	1036811	1314191	11.971	11.050 #
21) Endrin Ke...	8.926f	9.830f	155832	714548	0.816	2.853 #
23) Hexachlor...	3.205	3.775f	77713	338964	0.390	0.846 #
24) Hexachlor...	5.748f	6.587	130745	100775	0.523	0.315 #
25) Oxylordane	7.232f	8.069	128545	211817	0.534	0.757 #
26) 2,4'-DDE	7.306f	8.272	174096	240580	1.221	1.142 #
27) trans-Non...	7.526	8.344	243165	314887	1.070	1.024 #
28) 2,4'-DDD	7.706	8.608f	150968	804332	1.187	4.361 #
29) 2,4'-DDT	7.865f	8.869	489477	184703	3.342	0.898 #
30) cis-Nonac...	7.994	8.892	326445	733273	1.385	2.149 #
31) Mirex	8.610f	9.830	201495	714548	1.248	3.856 #
32) Chlordane...	7.472f	8.272	131473	240580	5.604	6.185 #
33) Chlordane...	7.526	8.381	243165	139683	8.437	4.352 #
34) Chlordane...	8.078	9.075	184051	97477	24.193	9.181 #
35) Chlordane...	3.791f	3.775f	2536253	338964	NoCal	NoCal
36) Toxaphene...	7.526	8.608	243165	804332	230.877	297.426 #
37) Toxaphene...	7.813	8.989f	206512	386750	106.194	111.053 #
38) Toxaphene...	8.139f	8.989	60412	386750	10.295	71.216 #
39) Toxaphene...	8.383f	9.075	176236	97477	43.622	10.800 #
40) Toxaphene...	8.570	9.250	1036811	626710	315.353	124.794 #
41) Toxaphene...	0.000	9.635	0	1314191	N.D.	234.085 #
42) Toxaphene...	3.791	3.775f	2536253	338964	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 19:23
Operator : MJB
Sample : A9J0816-⁶¹RE1@5 ^{MS} 11712
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:27 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 20:01
 Operator : MJB ⁶¹
 Sample : A9J0816-13RE1(5) ^{MJP 1/17/20}
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 11:22:55 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

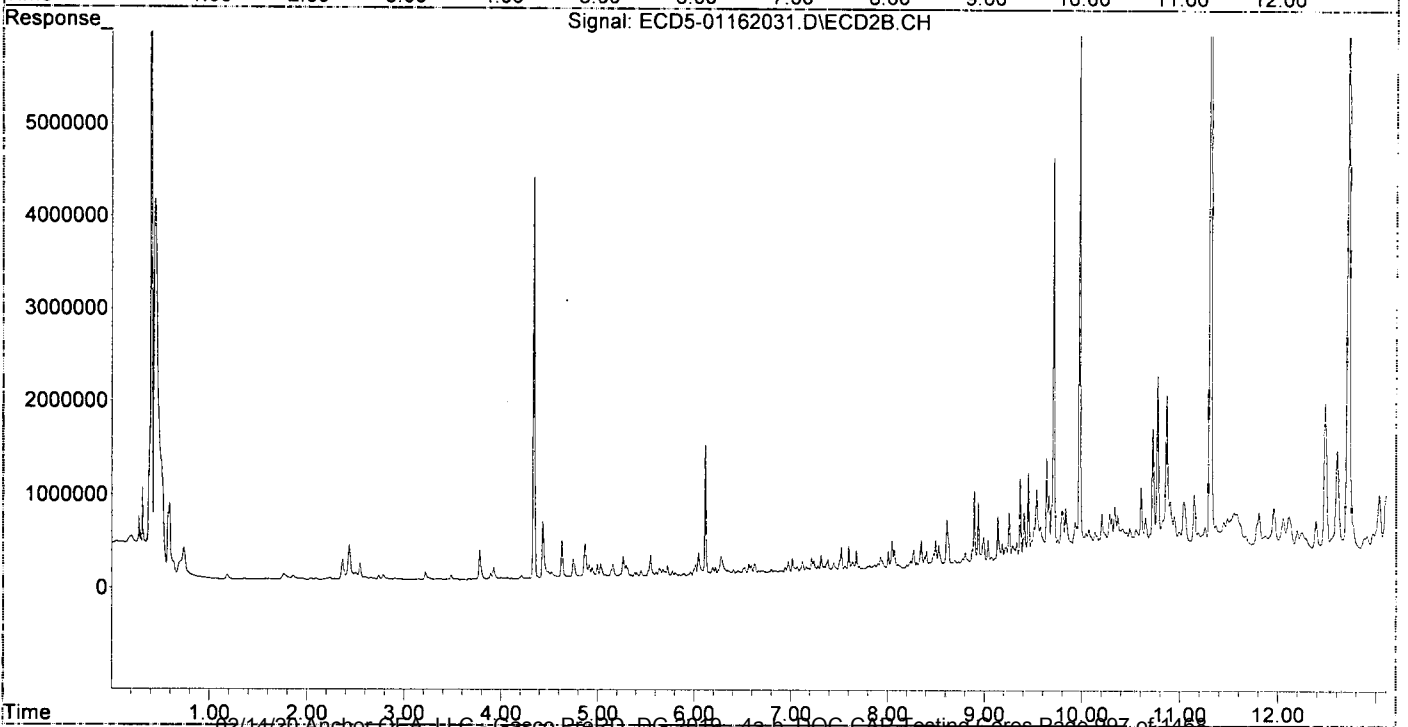
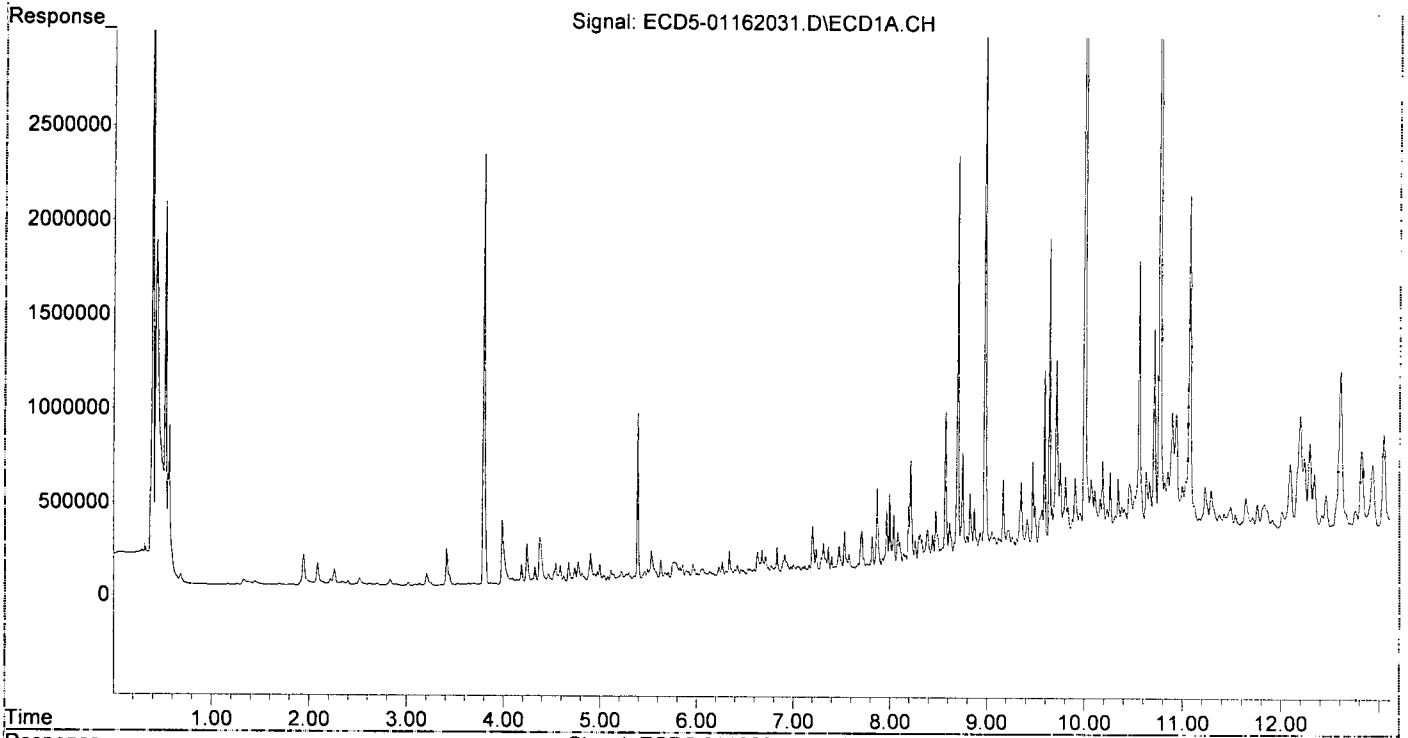
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.387	6.113	892774	1404234	4.572	4.711
22) S DCBP (S)	9.590	10.723	1052495	1383688	6.886	7.776
Target Compounds						
2) a-BHC	5.915	6.712	40189	26687	0.153	0.065 #
3) g-BHC	6.227	7.064	58096	55556	0.249	0.152 #
4) b-BHC	6.301	7.118	36039	113300	0.200	0.704 #
5) Heptachlor	6.629	7.441	133794	88475	0.589	0.250 #
6) d-BHC	6.460	7.381	41394	124057	0.190	0.427 #
7) Aldrin	6.831f	7.708	158051	42969	0.716	0.129 #
8) Heptachlo...	7.309f	8.107f	169726	41583	0.823	0.135 #
9) trans-Chl...	7.431	8.270	44183	192284	0.210	0.617 #
10) cis-Chlor...	7.528	8.381	229650	115512	1.122	0.389 #
11) Endosulfa...	0.000	8.434	0	52668	N.D.	0.190 #
12) 4,4'-DDE	7.575	8.495	108156	282024	0.525	1.002 # ^{2.01}
13) Dieldrin	7.815	8.611f	195147	499329	0.906	1.616 #
14) Endrin	7.964	8.871	330560	173796	1.911	0.740 #
15) 4,4'-DDD	7.996	8.894	425096	797388	2.462	3.244 #
16) Endosulfa...	8.140f	9.034	100891	262113	0.591	1.073 #
17) 4,4'-DDT	8.213	9.136	593760	514171	3.584	2.428 # ^{2.02}
18) Endrin Al...	8.386f	9.250	225786	549266	1.475	2.456 #
19) Endosulfa...	8.698	9.450	2216016	968686	13.847	4.370 #
20) Methoxychlor	8.572f	9.636f	854066	1117381	9.861	9.395 #
21) Endrin Ke...	8.928f	9.832	200759	567625	1.051	2.267 #
23) Hexachlor...	3.207	3.777f	65517	322852	0.328	0.806 #
24) Hexachlor...	5.766	6.589	91492	85396	0.319	0.267 #
25) Oxychlorthane	7.236	8.069	141607	200837	0.609	0.718 #
26) 2,4'-DDE	7.322	8.270	94543	192284	0.663m	0.913 #
27) trans-Non...	7.528	8.346	229650	294708	1.002	0.958 #
28) 2,4'-DDD	7.707	8.626	226487	301086	1.780	1.632m- ^{MJP-MRL}
29) 2,4'-DDT	7.875	8.871	225209	173796	1.538m	0.839 #
30) cis-Nonac...	7.996	8.894	425096	797388	1.804	2.337 #
31) Mirex	8.613f	9.832	259319	567625	1.676	3.010 #
32) Chlordane...	7.431	8.270	44183	192284	1.883	4.943 #
33) Chlordane...	7.528	8.381	229650	115512	7.968	3.599 #
34) Chlordane...	8.081	9.066	215933	73510	28.384	6.923 #
35) Chlordane...	3.793f	3.777	2292112	322852	NoCal	NoCal
36) Toxaphene...	7.528	8.611	229650	499329	218.045	184.642
37) Toxaphene...	7.815	8.990f	195147	299085	100.350	85.881
38) Toxaphene...	8.140f	8.990	100891	299085	19.979	54.258 #
39) Toxaphene...	8.386f	9.066	225786	73510	55.887	8.145 #
40) Toxaphene...	8.572	9.250	854066	549266	259.770	109.373 #
41) Toxaphene...	0.000	9.636	0	1117381	N.D.	199.029 #
42) Toxaphene...	3.793	3.777f	2292112	322852	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB ⁶¹ ^{MJB 1/17/20}
Sample : A9J0816-13RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

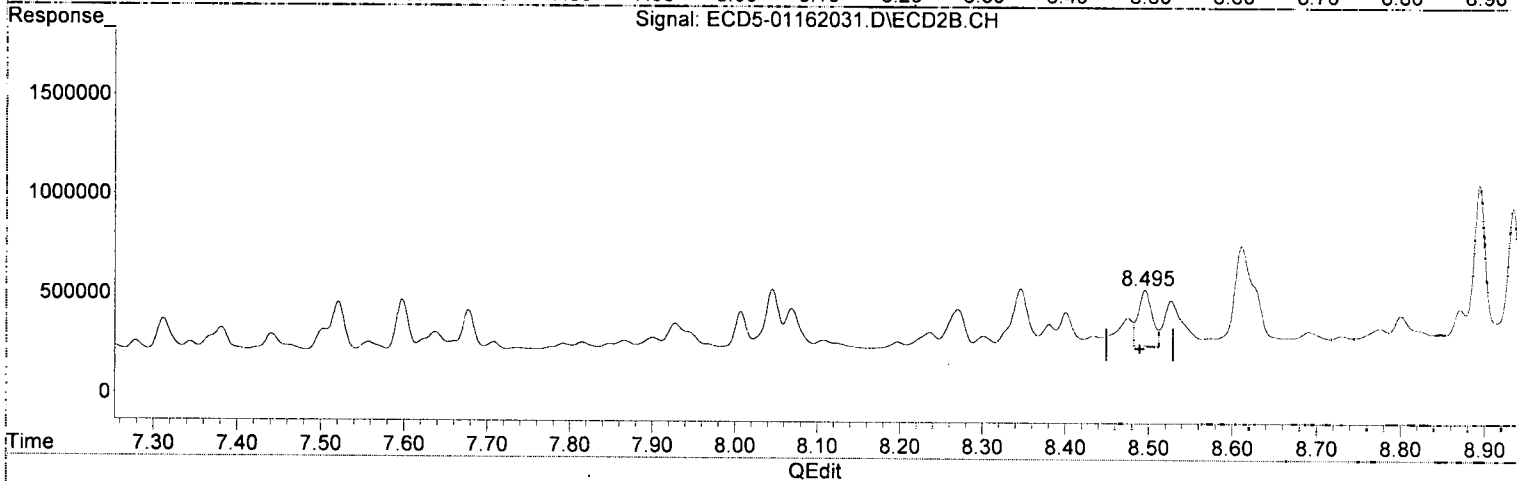
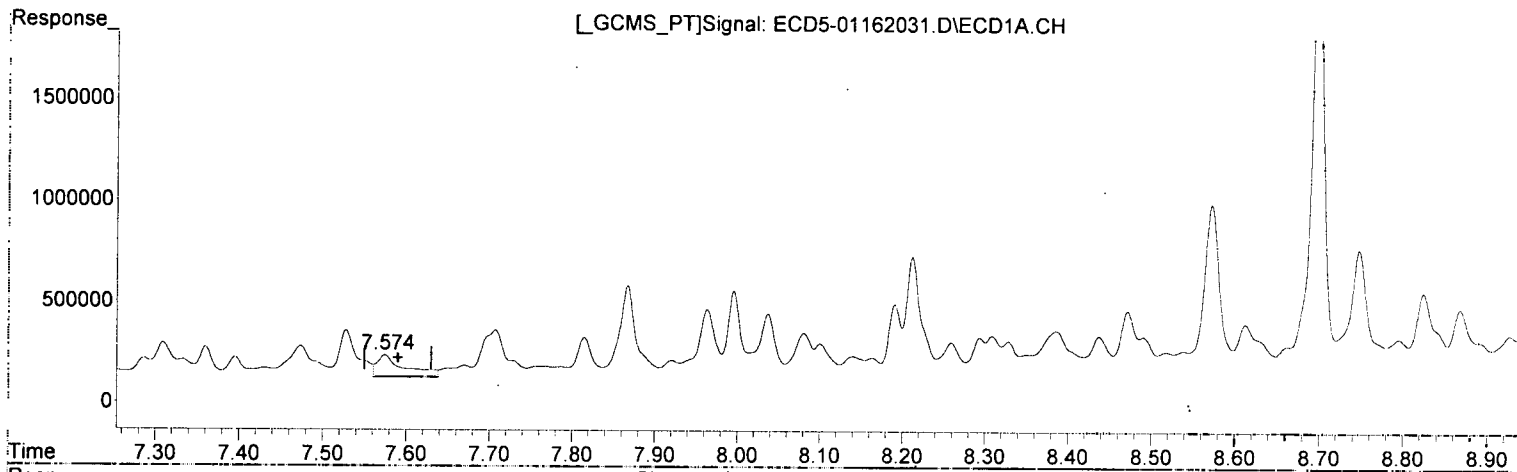
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 17 11:22:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB
Sample : A9J0816-13RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE

7.575min 0.525 ng/mL

response 108156

MJB
1/17/20

(12) 4,4'-DDE #2

8.495min 1.002 ng/mL

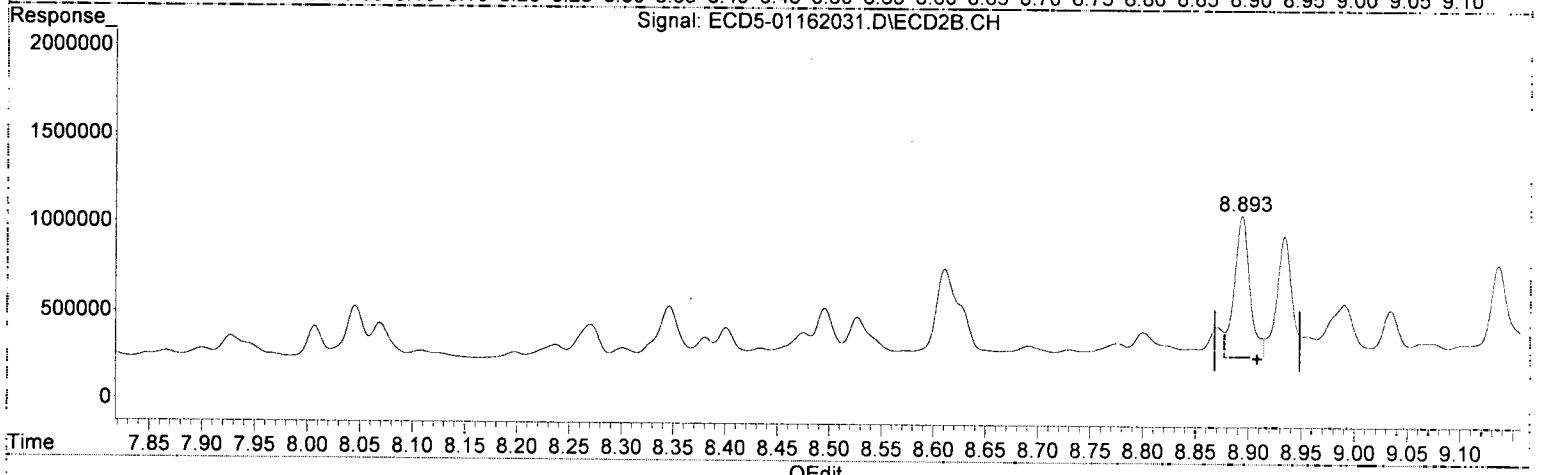
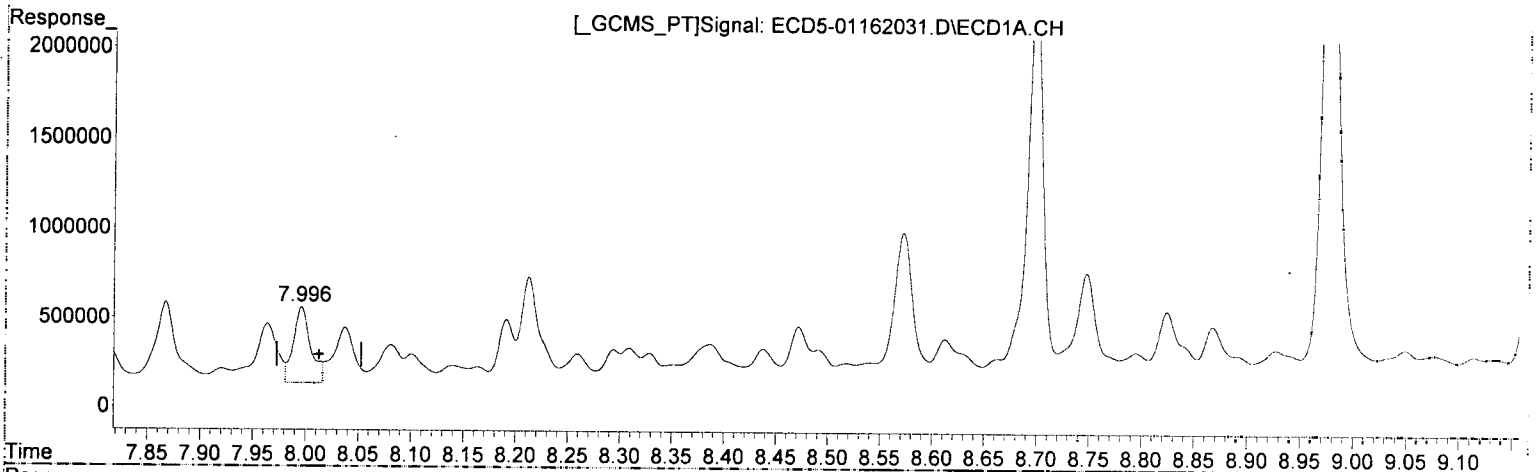
response 282024

P-01

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB
Sample : A9J0816-13RE105
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.996min 2.462 ng/mL
response 425096

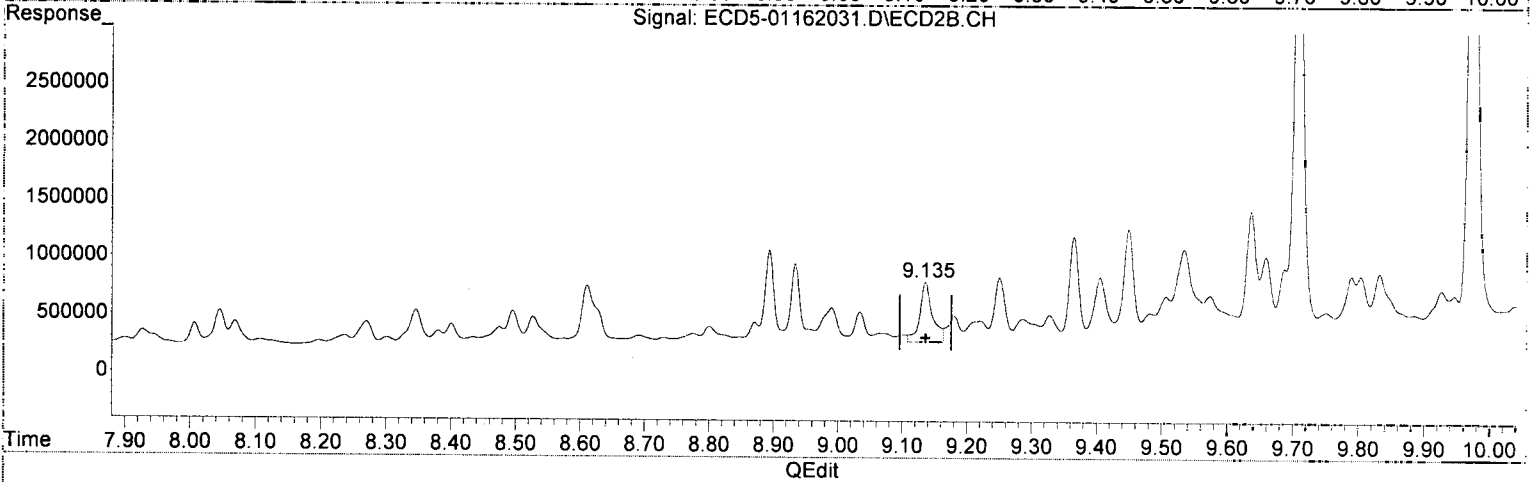
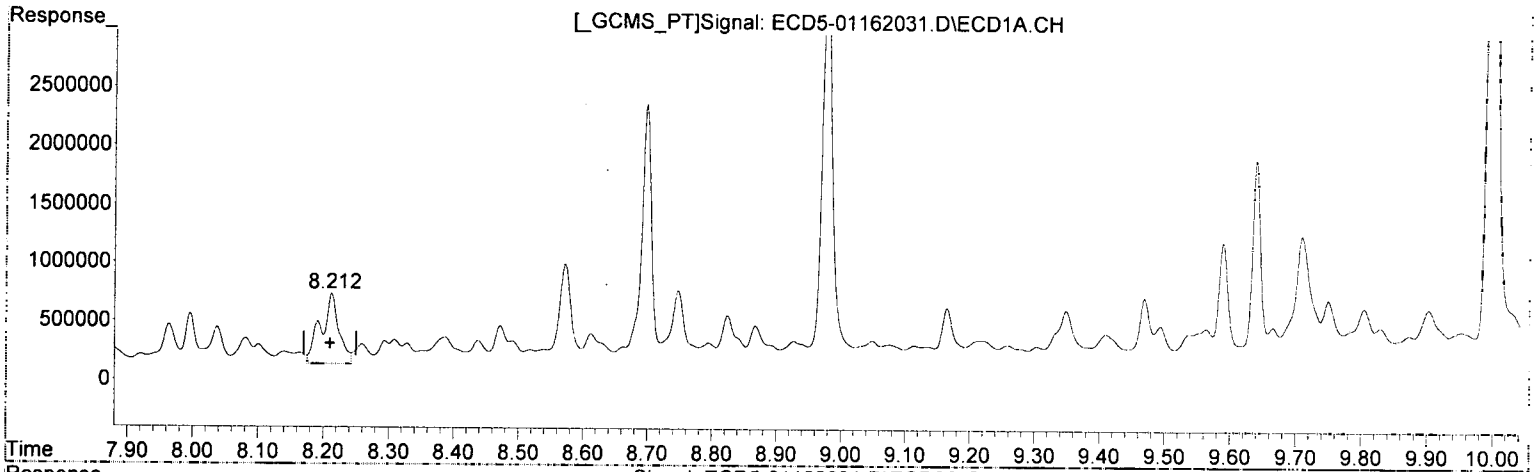
MJB 1/17/20

(15) 4,4'-DDD #2
8.894min 3.244 ng/mL
response 797388

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB *61*
Sample : A9J0816-13RE105 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.213min 3.584 ng/mL
response 593760

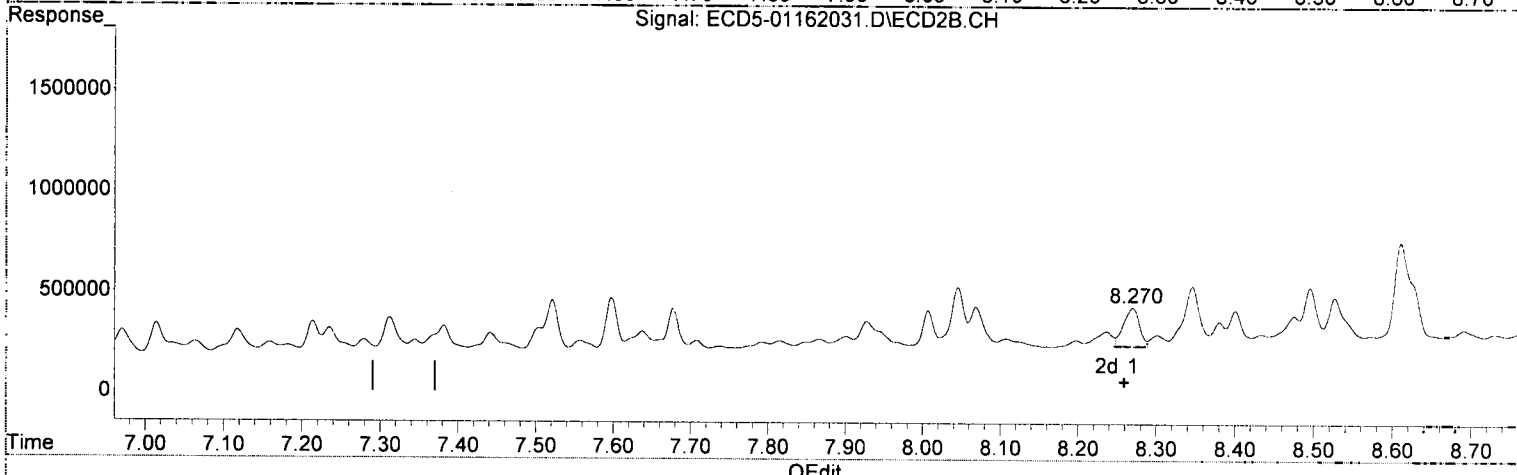
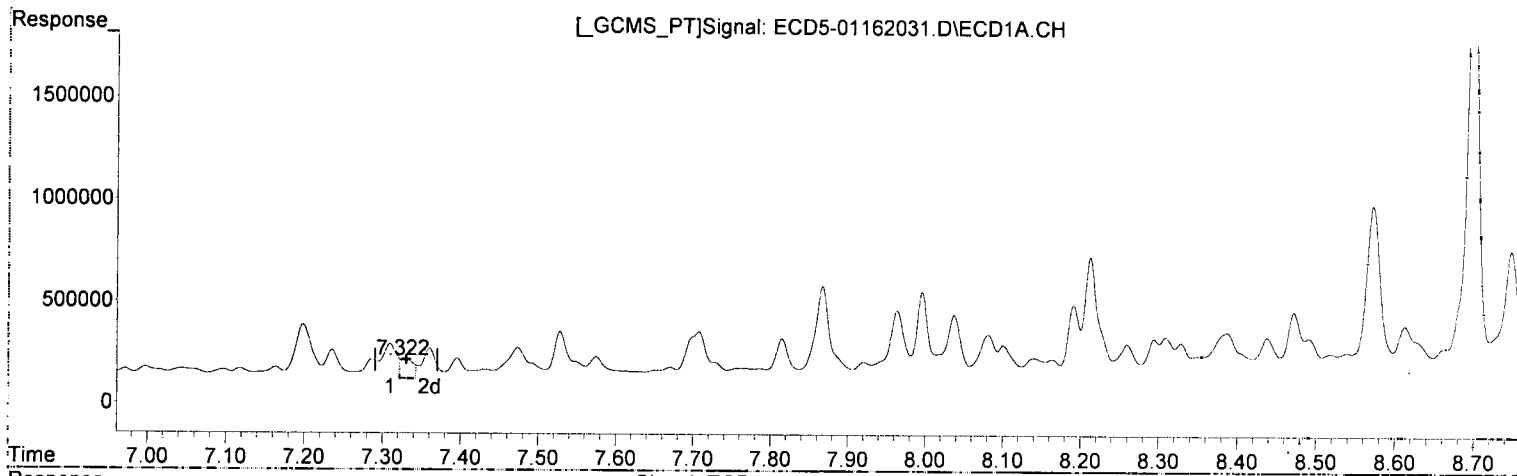
(17) 4,4'-DDT #2
9.136min 2.428 ng/mL *R.O.C.*
response 514171

MJB 1/17/20

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB ⁶¹
Sample : A9J08-16-13RE105 ^{MJB 1/17/20}
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.322min 0.663 ng/mL (m)
response 94543

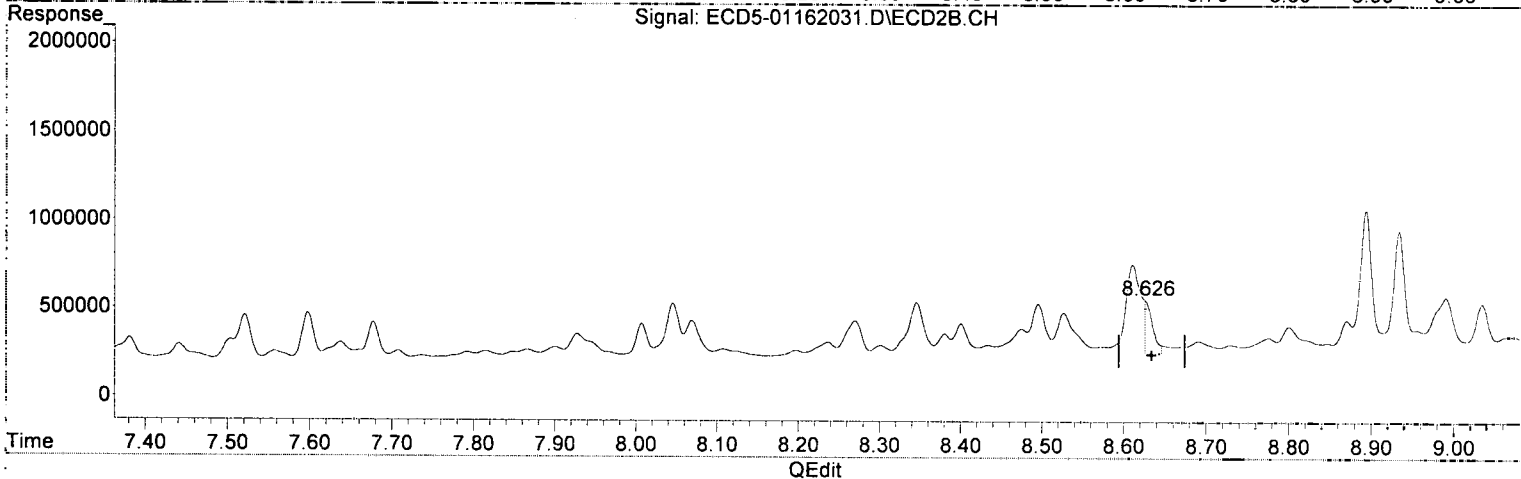
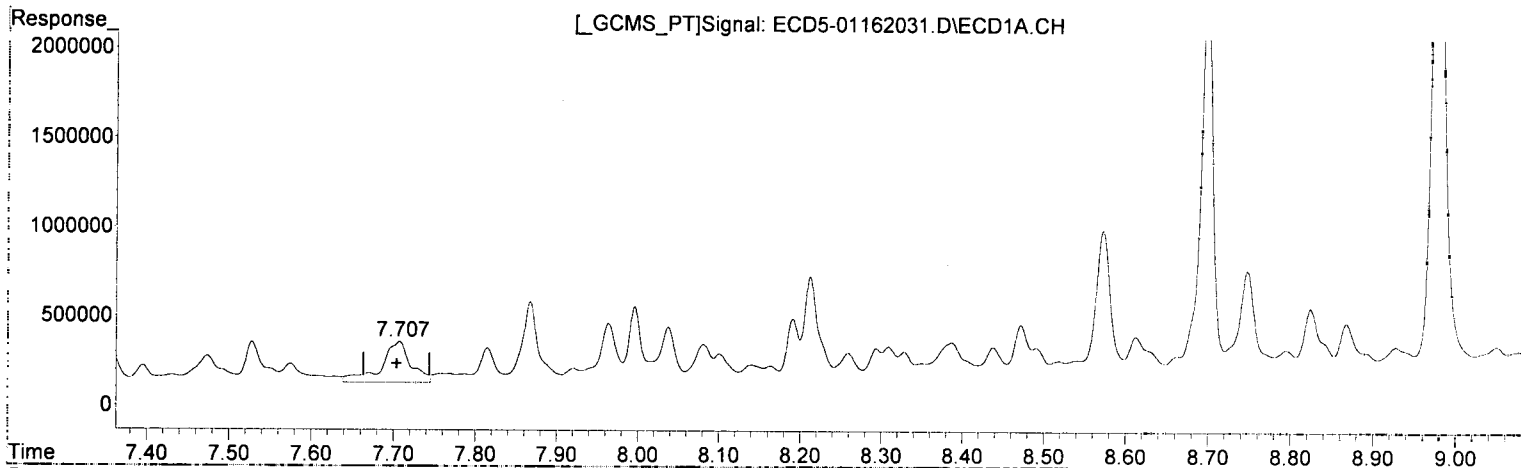
MJB
1/17/20

(26) 2,4'-DDE #2
8.270min 0.913 ng/mL
response 192284

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB
Sample : A9J0816-13RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.707min 1.780 ng/mL
response 226487

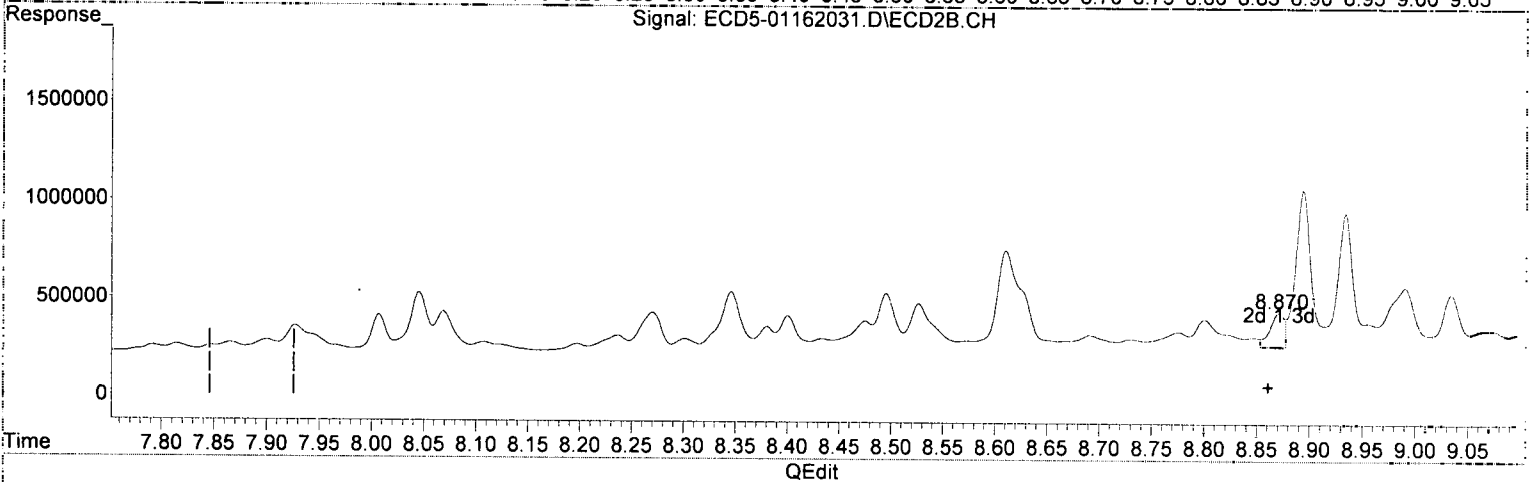
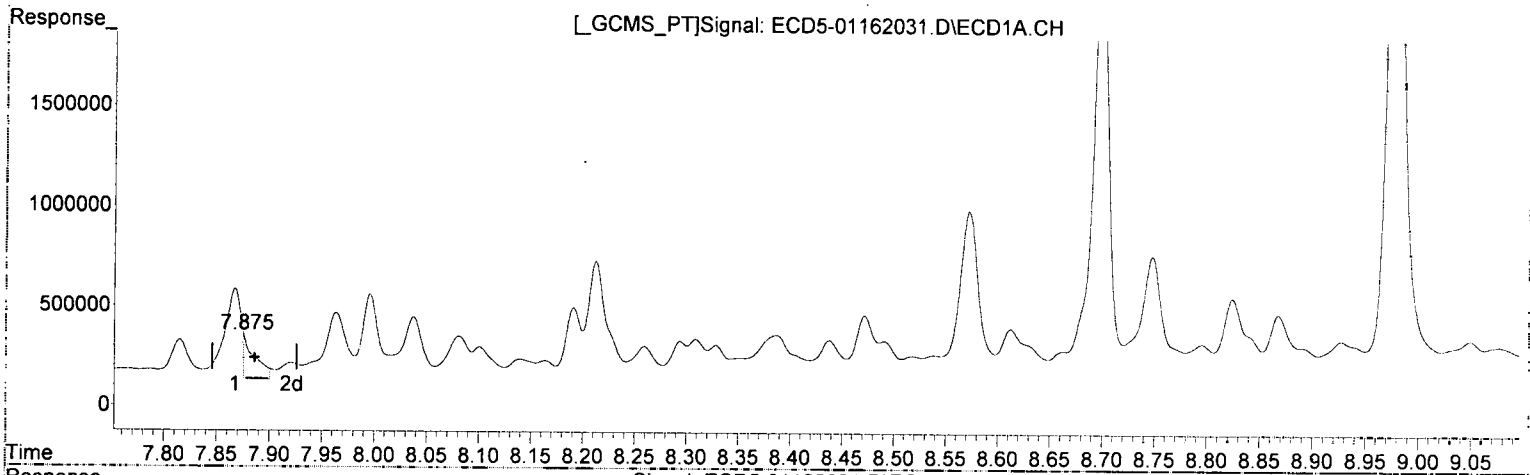
MJB 1/17/20

(28) 2,4'-DDD #2
8.626min 1.632 ng/mL (m) *MDL=MDL*
response 301086

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB *ci*
Sample : A9J0816-13RE1@5 *MJB 11/7/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.875min 1.538 ng/mL(m)
response 225209

MJB 11/7/20

(29) 2,4'-DDT #2
8.871min 0.839 ng/mL
response 173796

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 20:01
 Operator : MJB
 Sample : A9J0816-13RE105
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:34 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
11/7/20

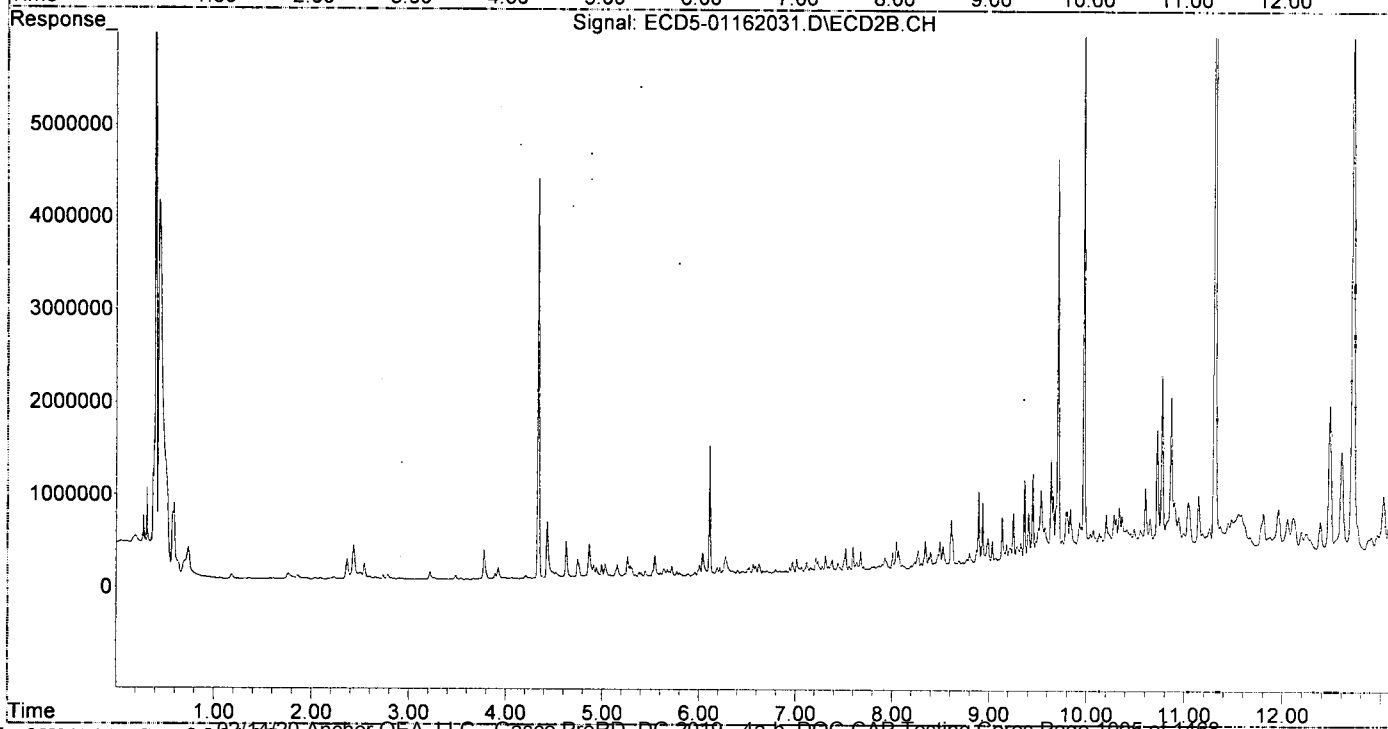
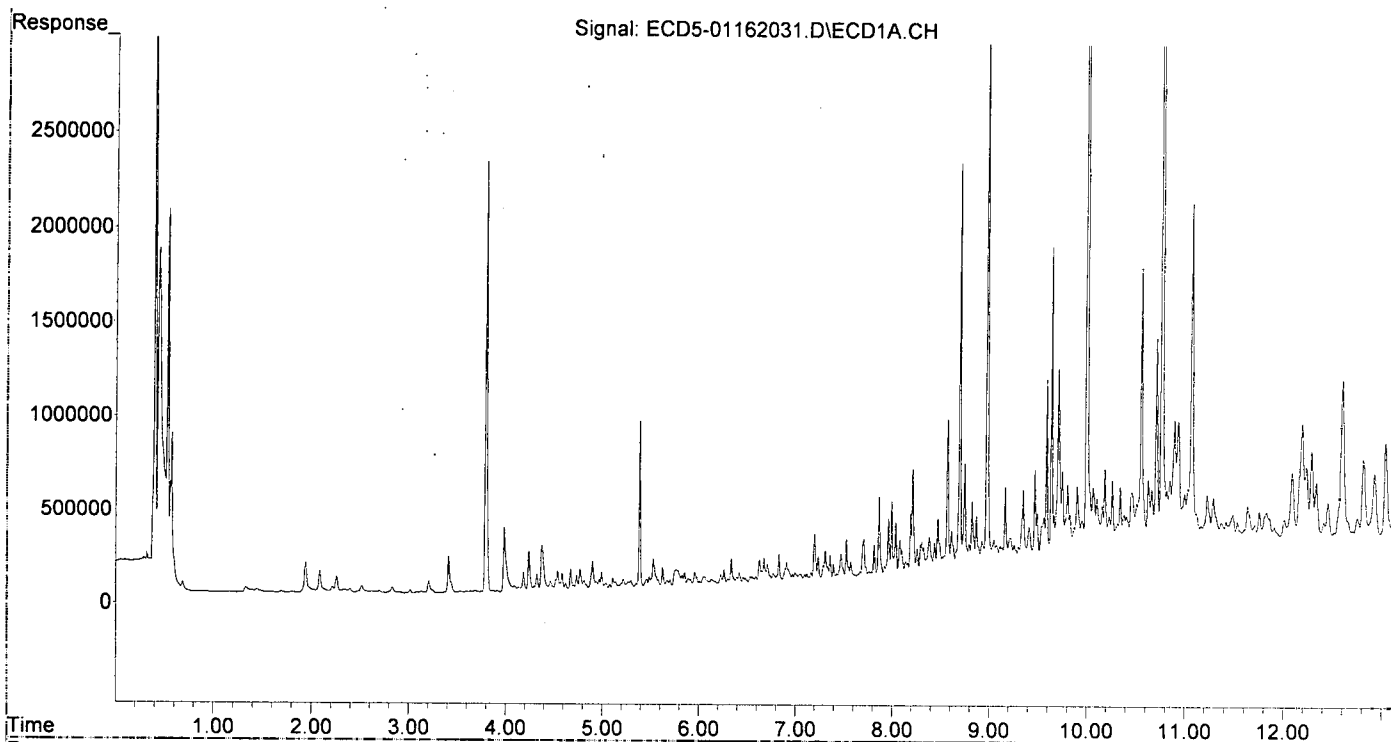
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.387	6.113	892774	1404234	4.572	4.711
22) S DCBP (S)	9.590	10.723	1052495	1383688	6.886	7.776
Target Compounds						
2) a-BHC	5.915	6.712	40189	26687	0.153	0.065 #
3) g-BHC	6.227	7.064	58096	55556	0.249	0.152
4) b-BHC	6.301	7.118	36039	113300	0.200	0.704 #
5) Heptachlor	6.629	7.441	133794	88475	0.589	0.250 #
6) d-BHC	6.460	7.381	41394	124057	0.190	0.427 #
7) Aldrin	6.831f	7.708	158051	42969	0.716	0.129 #
8) Heptachlo...	7.309f	8.107f	169726	41583	0.823	0.135 #
9) trans-Chl...	7.431	8.270	44183	192284	0.210	0.617 #
10) cis-Chlor...	7.528	8.381	229650	115512	1.122	0.389 #
11) Endosulfa...	0.000	8.434	0	52668	N.D.	0.190 #
12) 4,4'-DDE	7.575	8.495	108156	282024	0.525	1.002 #
13) Dieldrin	7.815	8.611f	195147	499329	0.906	1.616 #
14) Endrin	7.964	8.871	330560	173796	1.911	0.740 #
15) 4,4'-DDD	7.996	8.894	425096	797388	2.462	3.244
16) Endosulfa...	8.140f	9.034	100891	262113	0.591	1.073 #
17) 4,4'-DDT	8.213	9.136	593760	514171	3.584	2.428
18) Endrin Al...	8.386f	9.250	225786	549266	1.475	2.456 #
19) Endosulfa...	8.698	9.450	2216016	968686	13.847	4.370 #
20) Methoxychlor	8.572f	9.636f	854066	1117381	9.861	9.395
21) Endrin Ke...	8.928f	9.832	200759	567625	1.051	2.267 #
23) Hexachlor...	3.207	3.777f	65517	322852	0.328	0.806 #
24) Hexachlor...	5.766	6.589	91492	85396	0.319	0.267
25) Oxychlorane	7.236	8.069	141607	200837	0.609	0.718
26) 2,4'-DDE	7.309f	8.270	169726	192284	1.190	0.913
27) trans-Non...	7.528	8.346	229650	294708	1.002	0.958
28) 2,4'-DDD	7.707	8.611f	226487	499329	1.780	2.707 #
29) 2,4'-DDT	7.867	8.871	452252	173796	3.088	0.839 #
30) cis-Nonac...	7.996	8.894	425096	797388	1.804	2.337
31) Mirex	8.613f	9.832	259319	567625	1.676	3.010 #
32) Chlordane...	7.431	8.270	44183	192284	1.883	4.943 #
33) Chlordane...	7.528	8.381	229650	115512	7.968	3.599 #
34) Chlordane...	8.081	9.066	215933	73510	28.384	6.923 #
35) Chlordane...	3.793f	3.777	2292112	322852	NoCal	NoCal
36) Toxaphene...	7.528	8.611	229650	499329	218.045	184.642
37) Toxaphene...	7.815	8.990f	195147	299085	100.350	85.881
38) Toxaphene...	8.140f	8.990	100891	299085	19.979	54.258 #
39) Toxaphene...	8.386f	9.066	225786	73510	55.887	8.145 #
40) Toxaphene...	8.572	9.250	854066	549266	259.770	109.373 #
41) Toxaphene...	0.000	9.636	0	1117381	N.D.	199.029 #
42) Toxaphene...	3.793	3.777f	2292112	322852	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:01
Operator : MJB *61* *WB*
Sample : A9J0816-13RE1@5 *11720*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
 Operator : MJB
 Sample : A9J0816-31RE1010 ^{MJB} ^{1/17/20}
 Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 11:28:12 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 1/17/20

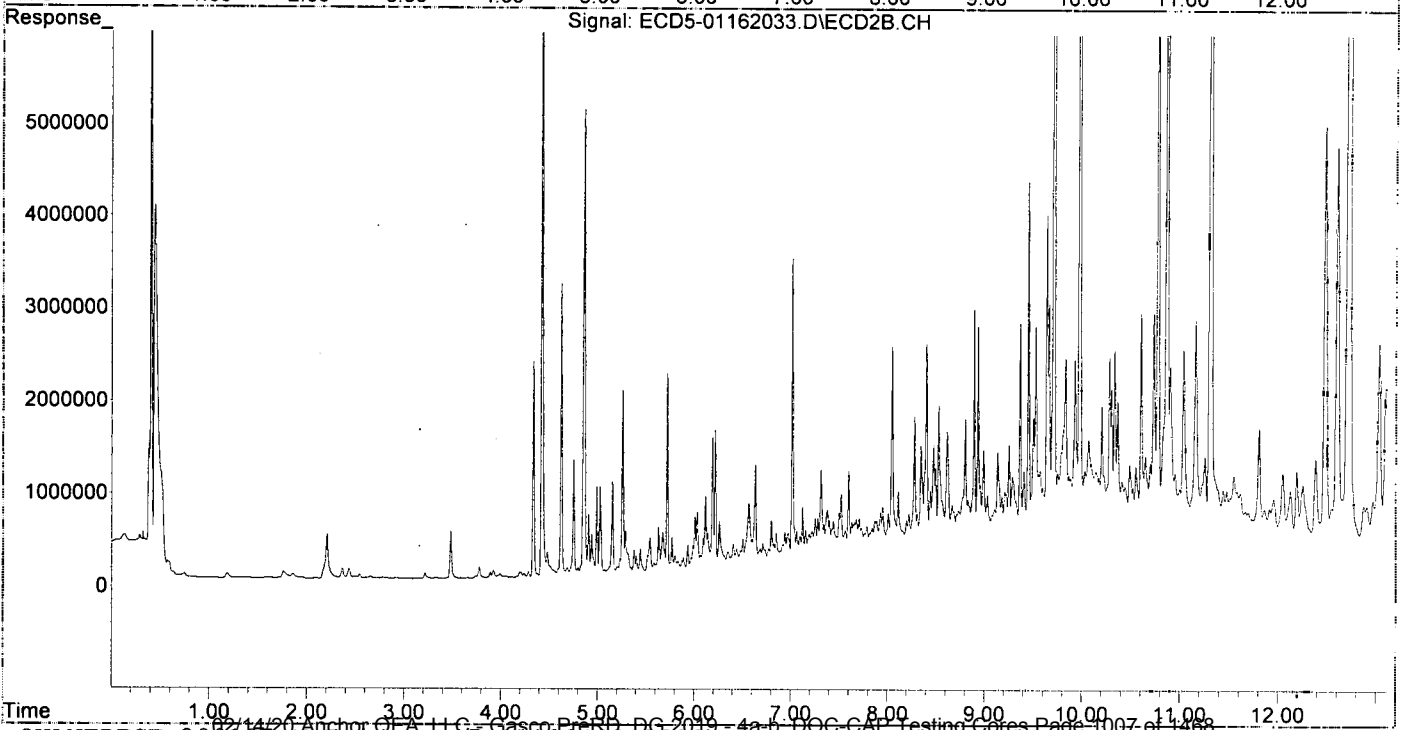
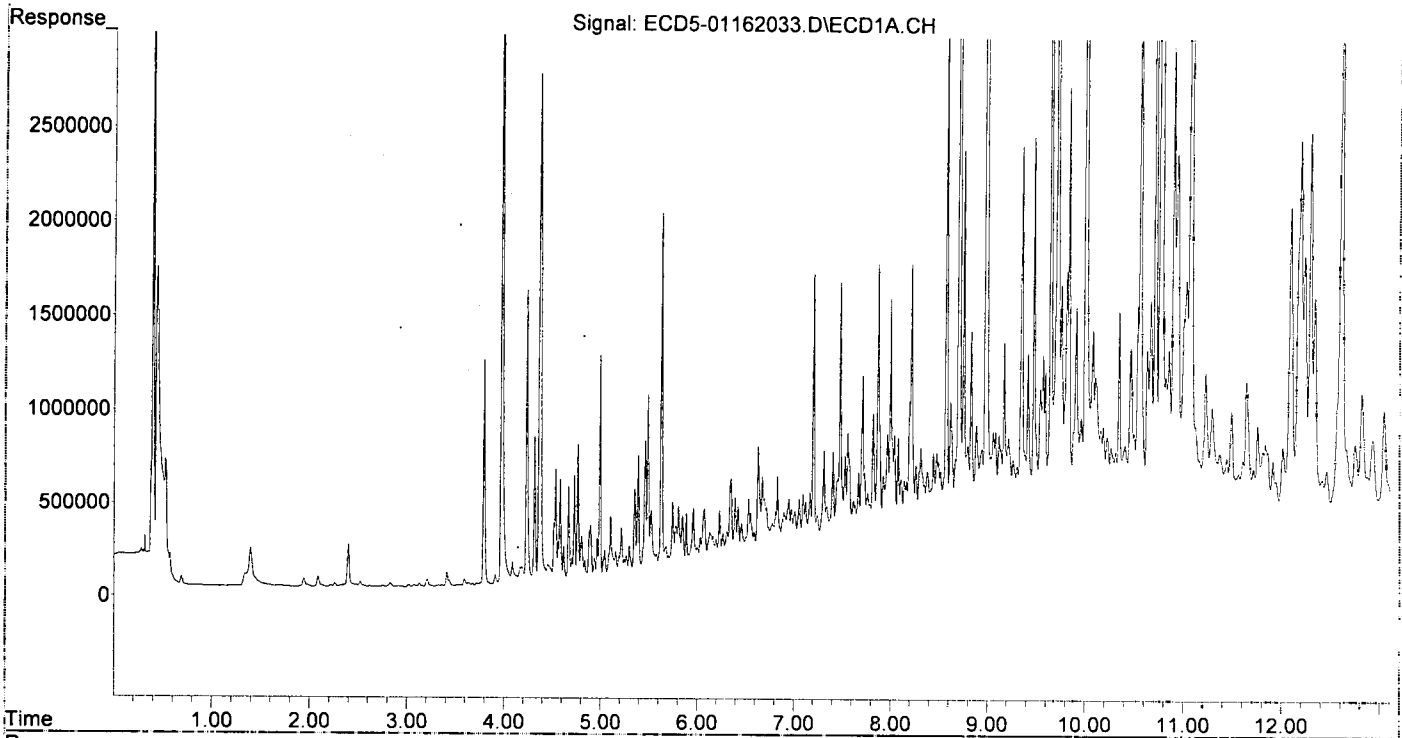
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.389	6.117	613745	771406	3.143	2.588
22) S DCBP (S)	9.589	10.733	847961	2493782	5.516	14.014 # S-01
Target Compounds						
2) a-BHC	5.959f	6.735	303086	166226	1.152	0.403 #
3) g-BHC	6.232	7.063	277010	348577	1.186	0.955
4) b-BHC	6.309	7.122	158965	608314	1.454	3.782 #
5) Heptachlor	6.631	7.426	596686	355354	2.626	1.002 #
6) d-BHC	6.458	7.379	197384	559860	0.906	1.721 #
7) Aldrin	6.900f	7.708	233078	451469	1.056	1.356
8) Heptachlo...	7.340	8.111f	242217	719245	1.175	2.335 #
9) trans-Chl...	7.404f	8.280	535241	1519200	2.540	4.872 #
10) cis-Chlor...	7.529	8.402	504067	2296668	2.463	7.742 #
11) Endosulfa...	7.616	8.442	262428	711688	1.354	2.561 #
12) 4,4'-DDE	7.580	8.495	385957	950747	1.872m-MBL	3.289 # R-01
13) Dieldrin	7.818f	8.615f	714901	1335577	3.319	4.323
14) Endrin	7.968	8.894f	603506	2638441	3.488	11.229 #
15) 4,4'-DDD	7.999	8.894	1314335	2638441	7.613	10.734 #
16) Endosulfa...	8.106	9.032	350737	626663	2.056	2.565
17) 4,4'-DDT	8.214	9.136	1493339	1090757	9.014	5.092 # R-02
18) Endrin Al...	8.380f	9.252	374521	1152622	2.446	5.155 #
19) Endosulfa...	8.704	9.451	10009711	3988827	62.546	17.994 #
20) Methoxychlor	8.574f	9.596	2795543	683335	32.278	5.746 #
21) Endrin Ke...	8.883f	9.865	604690	791942	3.166	3.162
23) Hexachlor...	3.207	3.776f	38401	121534	0.193	0.303 #
24) Hexachlor...	5.779	6.600	217229	288610	0.972	0.902
25) Oxychlordane	7.241	8.047	199568	2277854	0.941	8.144 #
26) 2,4'-DDE	7.322	8.263	252373	542110	1.770m-Q31	2.574m # R-02
27) trans-Non...	7.529	8.346	504067	1197887	2.386	3.896 #
28) 2,4'-DDD	7.709	8.624	920899	1065769	7.238-Q31	5.778m # R-02
29) 2,4'-DDT	7.877	8.871	1020128	581338	6.964m	3.040m # R-02
30) cis-Nonac...	7.968	8.894	603506	2638441	2.561	7.734 #
31) Mirex	8.617f	9.831	741384	2072044	5.254	11.593 #
32) Chlordane...	7.404f	8.280	535241	1519200	22.813	39.057 #
33) Chlordane...	7.529	8.402	504067	2296668	17.490	71.552 #
34) Chlordane...	8.077	9.076	576557	415538	75.787	39.136 #
35) Chlordane...	3.793f	3.776f	1201330	121534	NoCal	NoCal
36) Toxaphene...	7.529	8.615	504067	1335577	478.595	493.870
37) Toxaphene...	7.818	8.955	714901	749712	367.622	215.276 #
38) Toxaphene...	8.106	8.991	350737	1128013	79.691	212.725 #
39) Toxaphene...	8.380f	9.076	374521	415538	92.702	46.040 #
40) Toxaphene...	8.574	9.252	2795543	1152622	850.283	229.517 #
41) Toxaphene...	8.617f	9.640	741384	3619081	170.733	644.634 #
42) Toxaphene...	3.793	3.776f	1201330	121534	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB
Sample : A9J08⁶¹~~16~~-31RE1@10 ^{MJB} ^{1/17/20}
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

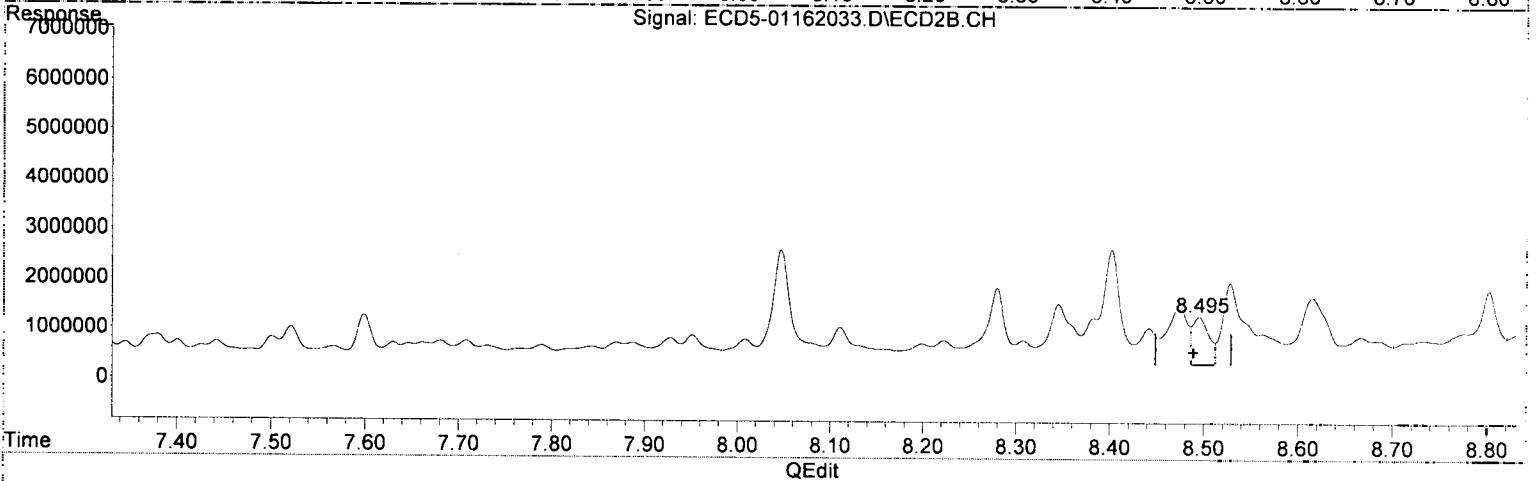
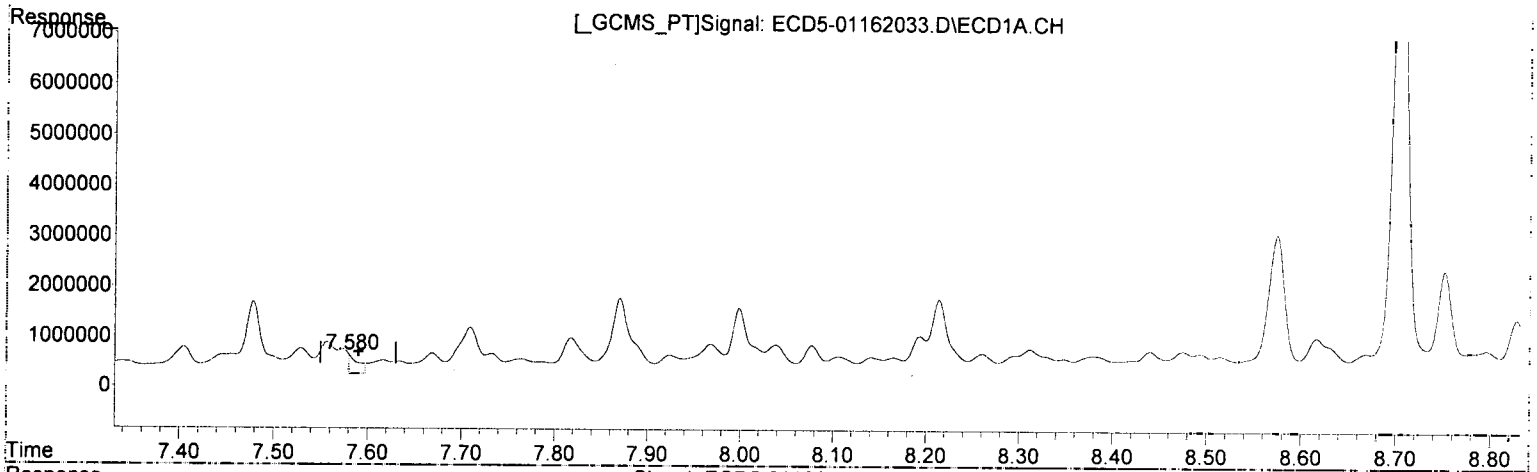
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 17 11:28:12 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB
Sample : A9J0816-31RE1@10 ⁶¹ ^{MJB} ^{1/17/20}
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE

7.580min 1.872 ng/mL ^(m) ^{MJB} ^{1/17/20}
response 385957

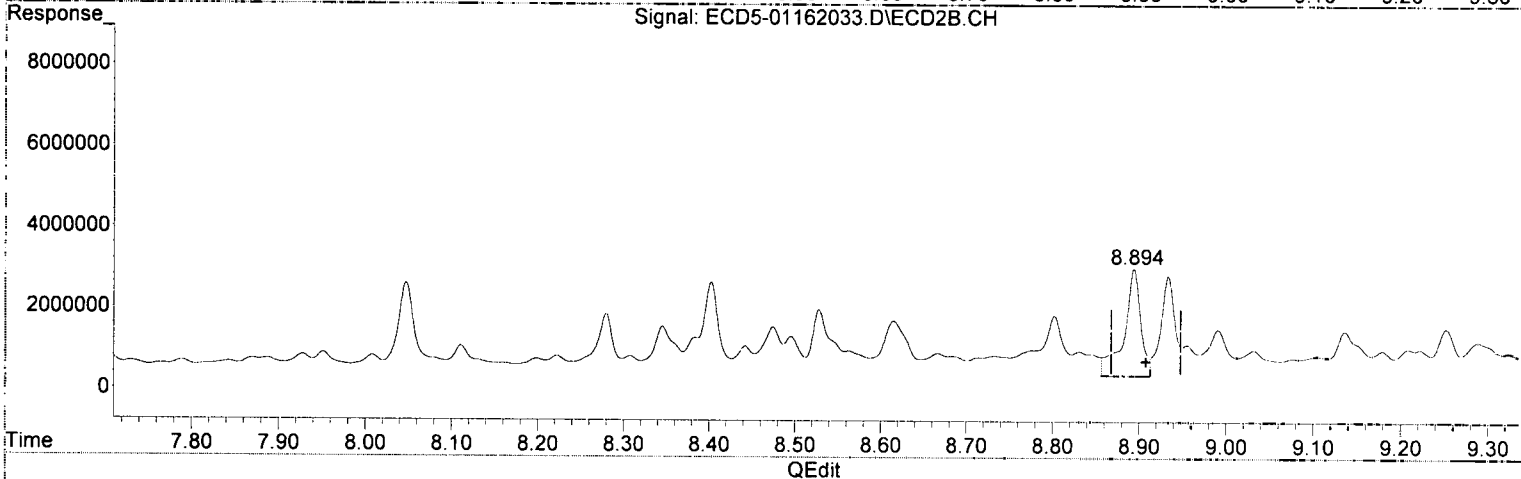
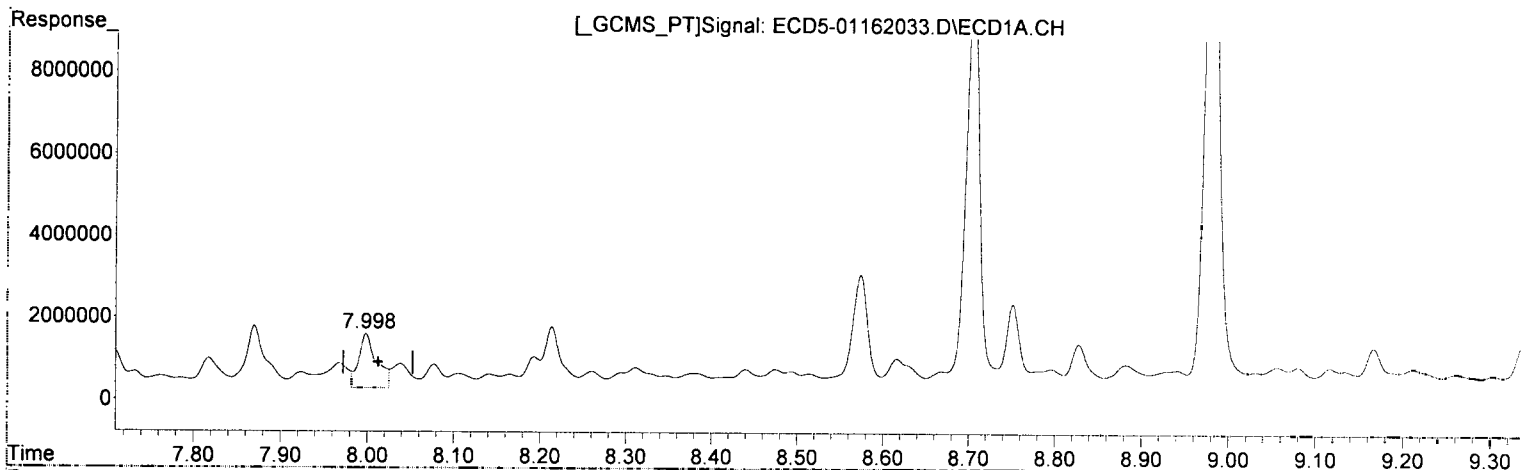
(12) 4,4'-DDE #2

8.495min 3.289 ng/mL ^{P-01}
response 950747

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB
Sample : A9J0816-31RE1@10 *WB 1/17/20*
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.999min *7.613 ng/mL*
response 1314335

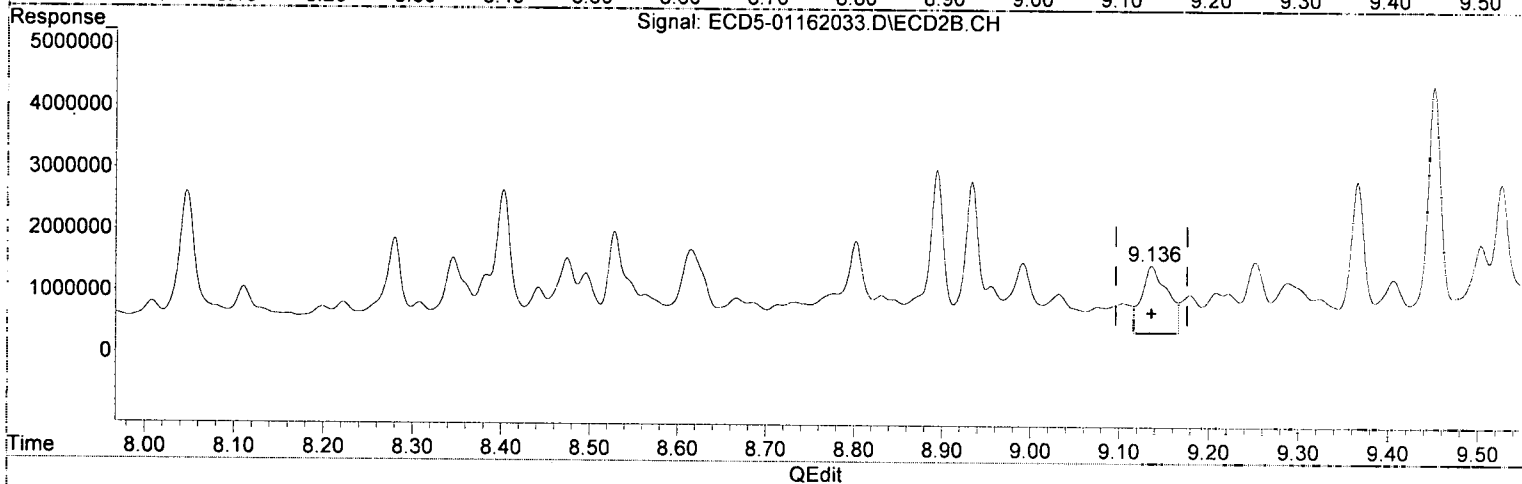
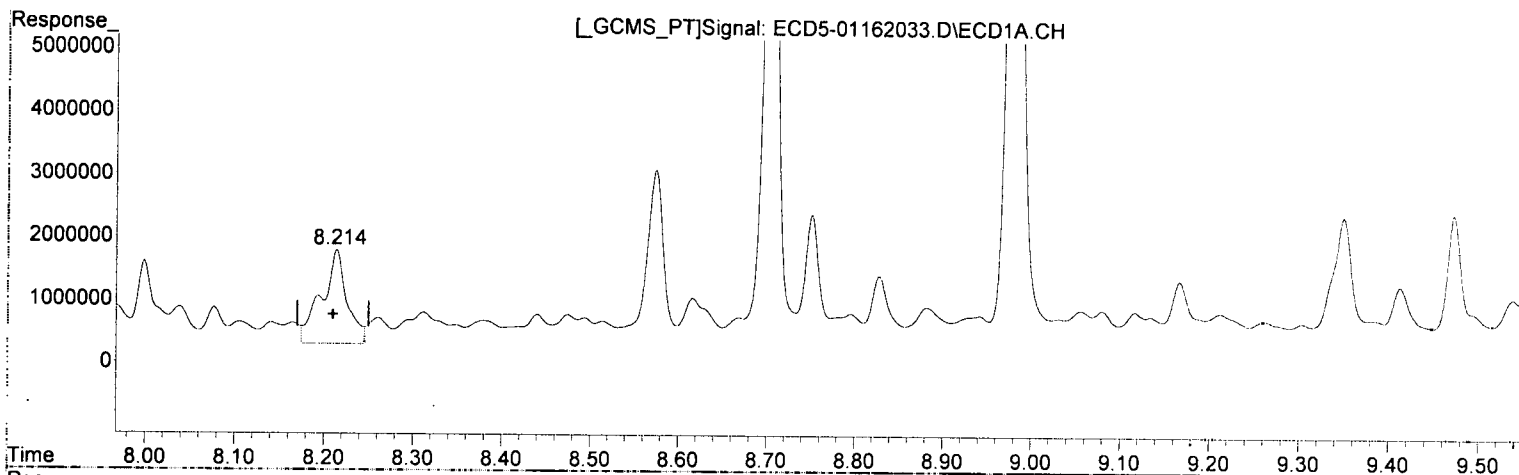
WB 1/17/20

(15) 4,4'-DDD #2
8.894min 10.734 ng/mL
response 2638441

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB *61*
Sample : A9J0816-31RE1@10 *MJB V17120*
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.214min 9.014 ng/mL

response 1493339

MJB V17120

(17) 4,4'-DDT #2

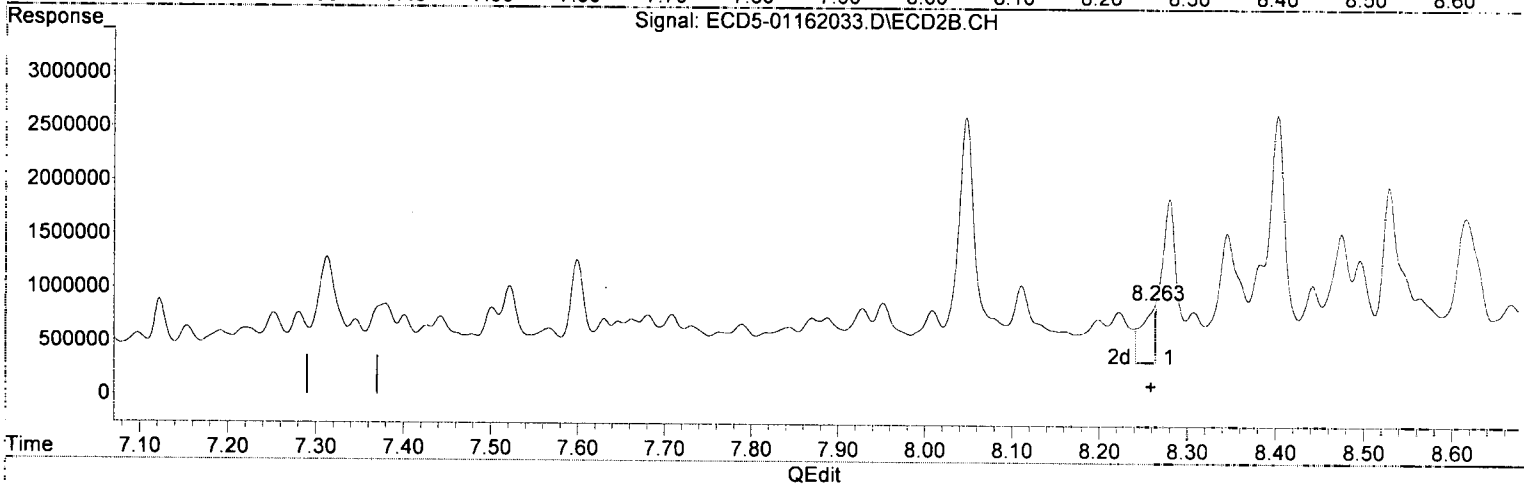
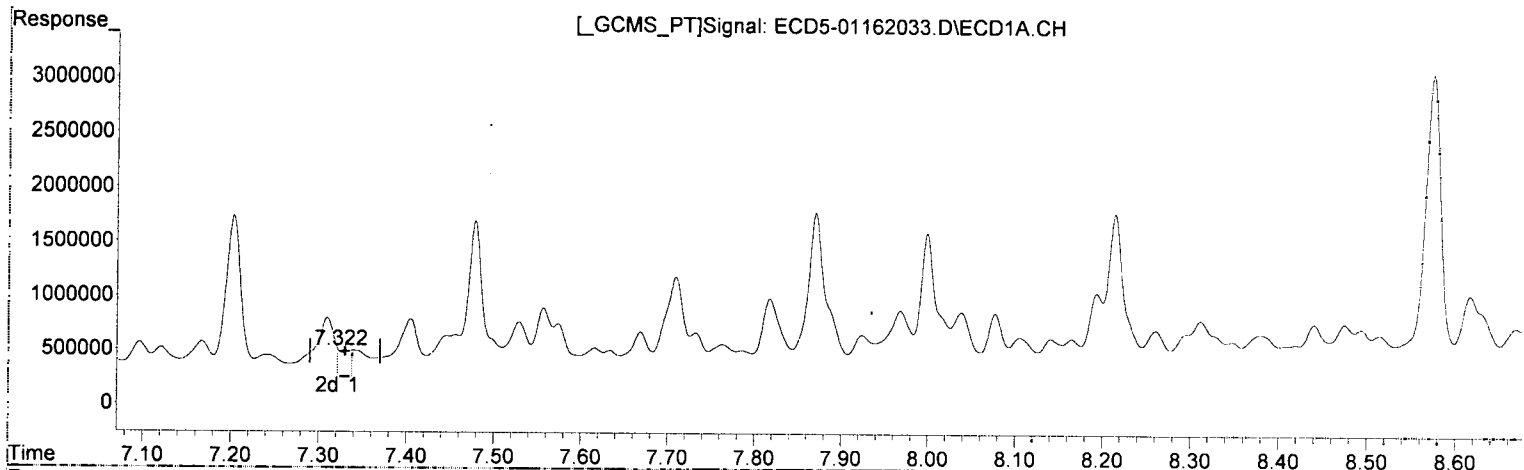
9.136min 5.092 ng/mL *2.02*

response 1090757

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
 Operator : MJB 61
 Sample : A9J0816-31RE1@10 ^{MJB} 1/17/20
 Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:41 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.322min 1.770 ng/mL (m) Q-31

response 252373

MJB
1/17/20

(26) 2,4'-DDE #2

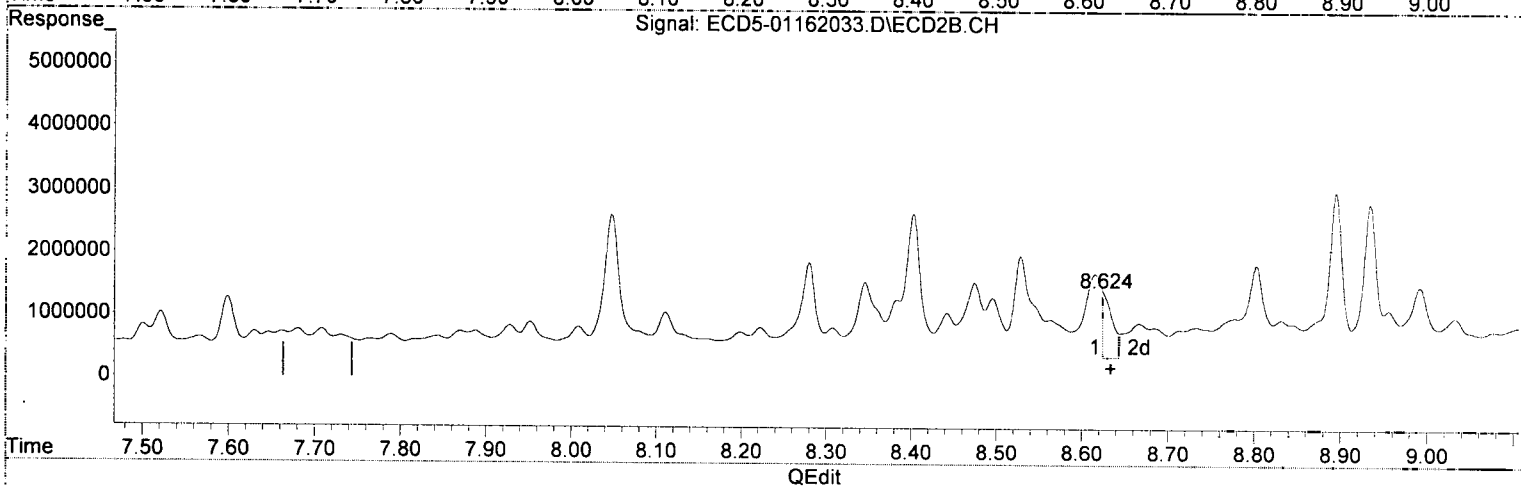
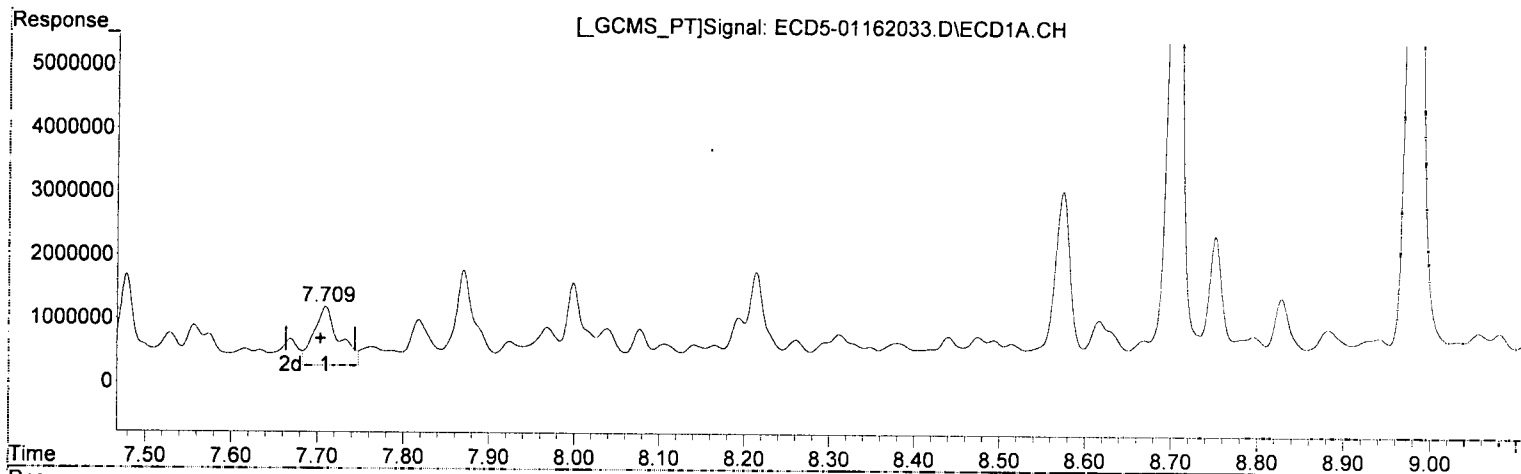
8.263min 2.574 ng/mL (m) R-02

response 542110

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB *61*
Sample : A9J0816-31RE1@10 *WB 1/17/20*
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.709min 7.238 ng/mL *Q-21*

response 920899

WB 1/17/20

(28) 2,4'-DDD #2

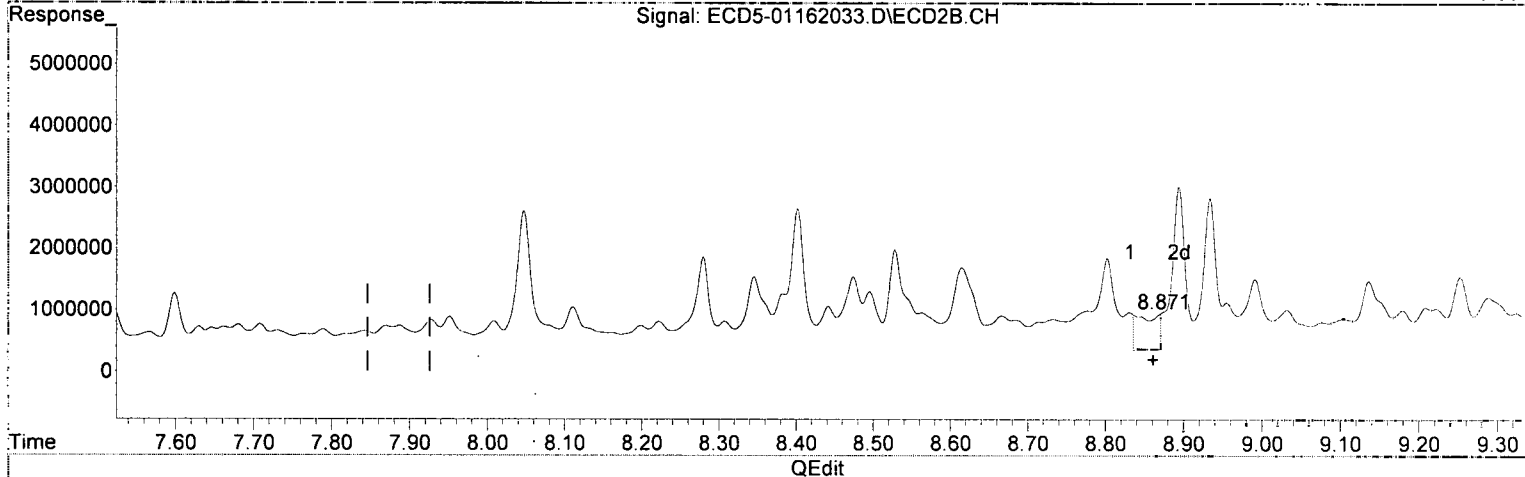
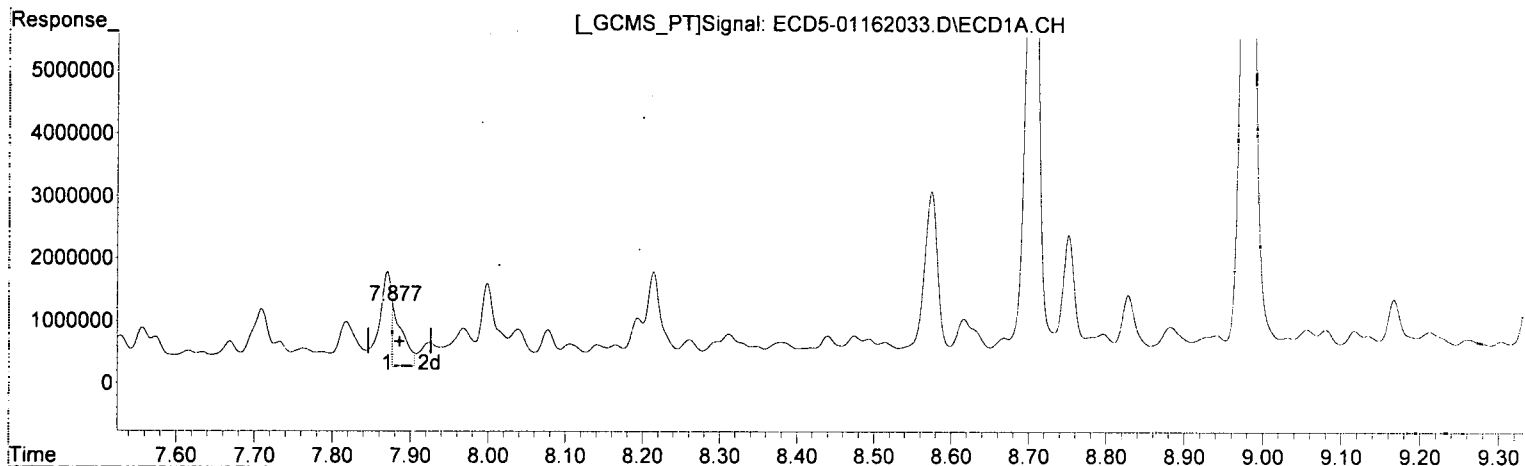
8.624min 5.778 ng/mL *(m) Q-02*

response 1065769

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB
Sample : A9J0816-31RE1@10
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.877min 6.964 ng/mL(m)
response 1020128

MJB
1/17/20

(29) 2,4'-DDT #2
8.871min 3.040 ng/mL(m) 2.02
response 581338

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
 Operator : MJB ⁶¹
 Sample : A9J08~~16~~-31RE1@10 ^{WB 1/7/20}
 Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:41 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

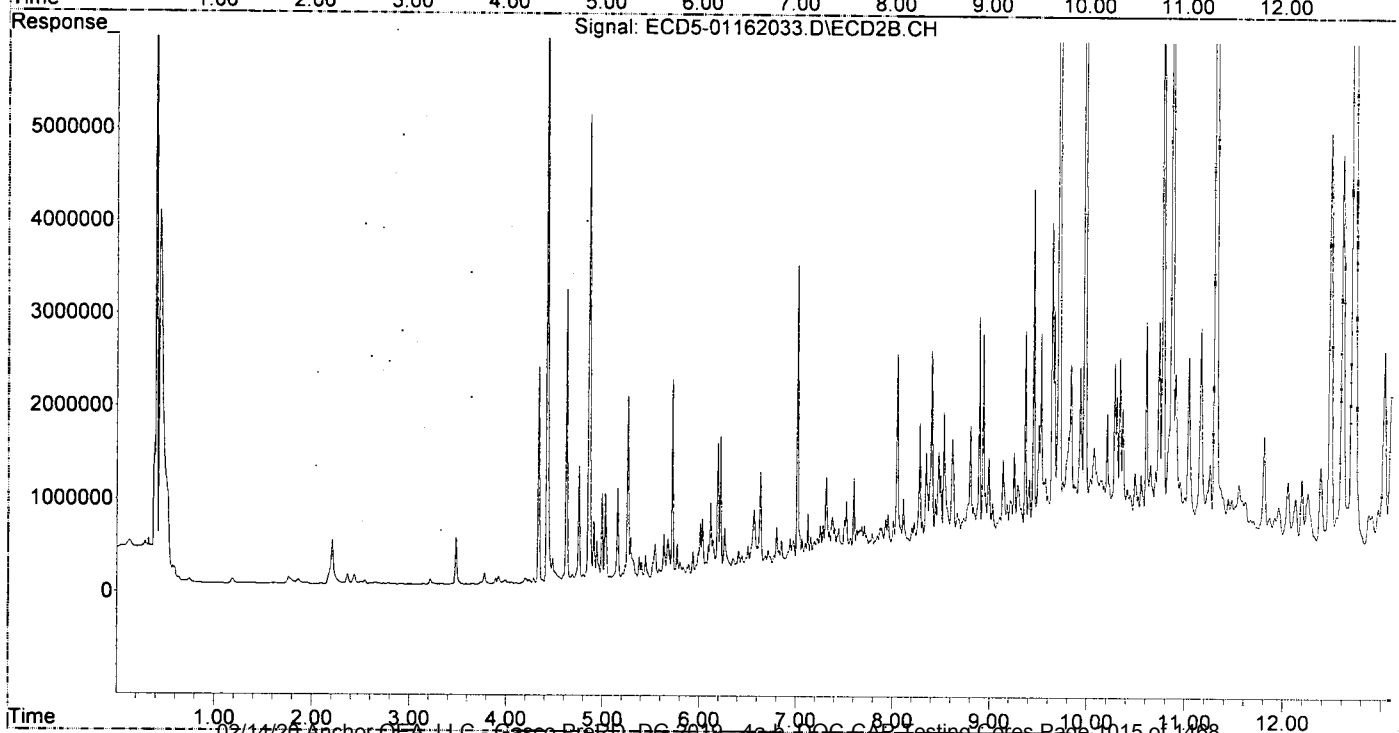
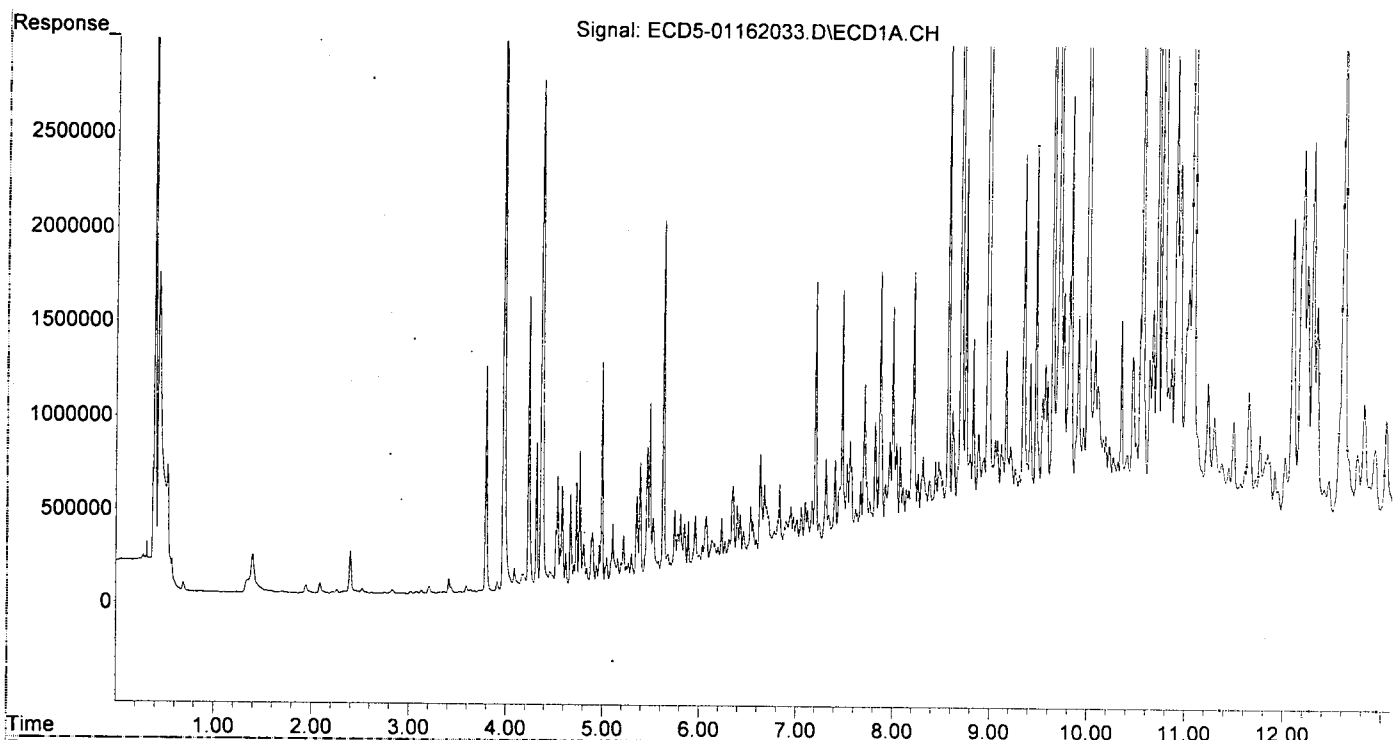
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.389	6.117	613745	771406	3.143	2.588
22) S DCBP (S)	9.589	10.733	847961	2493782	5.516	14.014 #
Target Compounds						
2) a-BHC	5.959f	6.735	303086	166226	1.152	0.403 #
3) g-BHC	6.232	7.063	277010	848577	1.186	0.955
4) b-BHC	6.309	7.122	158965	608314	1.454	3.782 #
5) Heptachlor	6.631	7.426	596686	355354	2.626	1.002 #
6) d-BHC	6.458	7.379	197384	559860	0.906	1.721 #
7) Aldrin	6.900f	7.708	233078	451469	1.056	1.356
8) Heptachlo...	7.340	8.111f	242217	719245	1.175	2.335 #
9) trans-Chl...	7.404f	8.280	535241	1519200	2.540	4.872 #
10) cis-Chlor...	7.529	8.402	504067	2296668	2.463	7.742 #
11) Endosulfa...	7.616	8.442	262428	711688	1.354	2.561 #
12) 4,4'-DDE	7.616f	8.495	262428	950747	1.273	3.289 #
13) Dieldrin	7.818f	8.615f	714901	1335577	3.319	4.323
14) Endrin	7.968	8.894f	603506	2638441	3.488	11.229 #
15) 4,4'-DDD	7.999	8.894	1314335	2638441	7.613	10.734 #
16) Endosulfa...	8.106	9.032	350737	626663	2.056	2.565
17) 4,4'-DDT	8.214	9.136	1493339	1090757	9.014	5.092 #
18) Endrin Al...	8.380f	9.252	374521	1152622	2.446	5.155 #
19) Endosulfa...	8.704	9.451	10009711	3988827	62.546	17.994 #
20) Methoxychlor	8.574f	9.596	2795543	683335	32.278	5.746 #
21) Endrin Ke...	8.883f	9.865	604690	791942	3.166	3.162
23) Hexachlor...	3.207	3.776f	38401	121534	0.193	0.303 #
24) Hexachlor...	5.779	6.600	217229	288610	0.972	0.902
25) Oxychlorane	7.241	8.047	199568	2277854	0.941	8.144 #
26) 2,4'-DDE	7.340	8.280f	242217	1519200	1.699	7.214 #
27) trans-Non...	7.529	8.346	504067	1197887	2.386	3.896 #
28) 2,4'-DDD	7.709	8.615	920899	1335577	7.238	7.241
29) 2,4'-DDT	7.870	8.831f	1501883	594532	10.253	3.111 #
30) cis-Nonac...	7.968	8.894	603506	2638441	2.561	7.734 #
31) Mirex	8.617f	9.831	741384	2072044	5.254	11.593 #
32) Chlordane...	7.404f	8.280	535241	1519200	22.813	39.057 #
33) Chlordane...	7.529	8.402	504067	2296668	17.490	71.552 #
34) Chlordane...	8.077	9.076	576557	415538	75.787	39.136 #
35) Chlordane...	3.793f	3.776f	1201330	121534	NoCal	NoCal
36) Toxaphene...	7.529	8.615	504067	1335577	478.595	493.870
37) Toxaphene...	7.818	8.955	714901	749712	367.622	215.276 #
38) Toxaphene...	8.106	8.991	350737	1128013	79.691	212.725 #
39) Toxaphene...	8.380f	9.076	374521	415538	92.702	46.040 #
40) Toxaphene...	8.574	9.252	2795543	1152622	850.283	229.517 #
41) Toxaphene...	8.617f	9.640	741384	3619081	170.733	644.634 #
42) Toxaphene...	3.793	3.776f	1201330	121534	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 20:38 (#1); 16 Jan 2020 20:39 (#2)
Operator : MJB *u1*
Sample : A9J0816-31RE1@10 *MJB 1/17/20*
Misc : 10x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 21:16
 Operator : MJB
 Sample : A9J0816-32RE135 *MJB 1/17/20*
 Misc : 5x, 8081B 2,4,4,4-DDx Only, GPC
 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: Jan 17 11:35:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 1/17/20

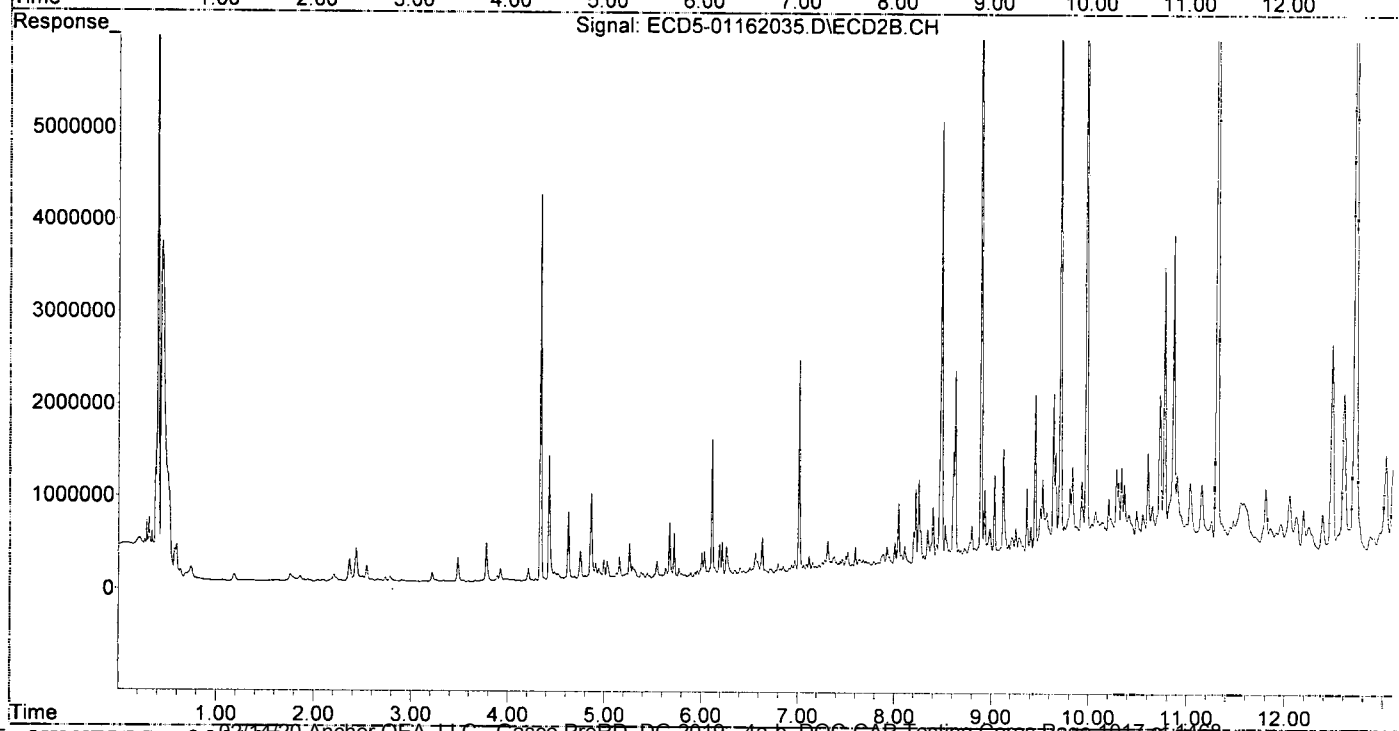
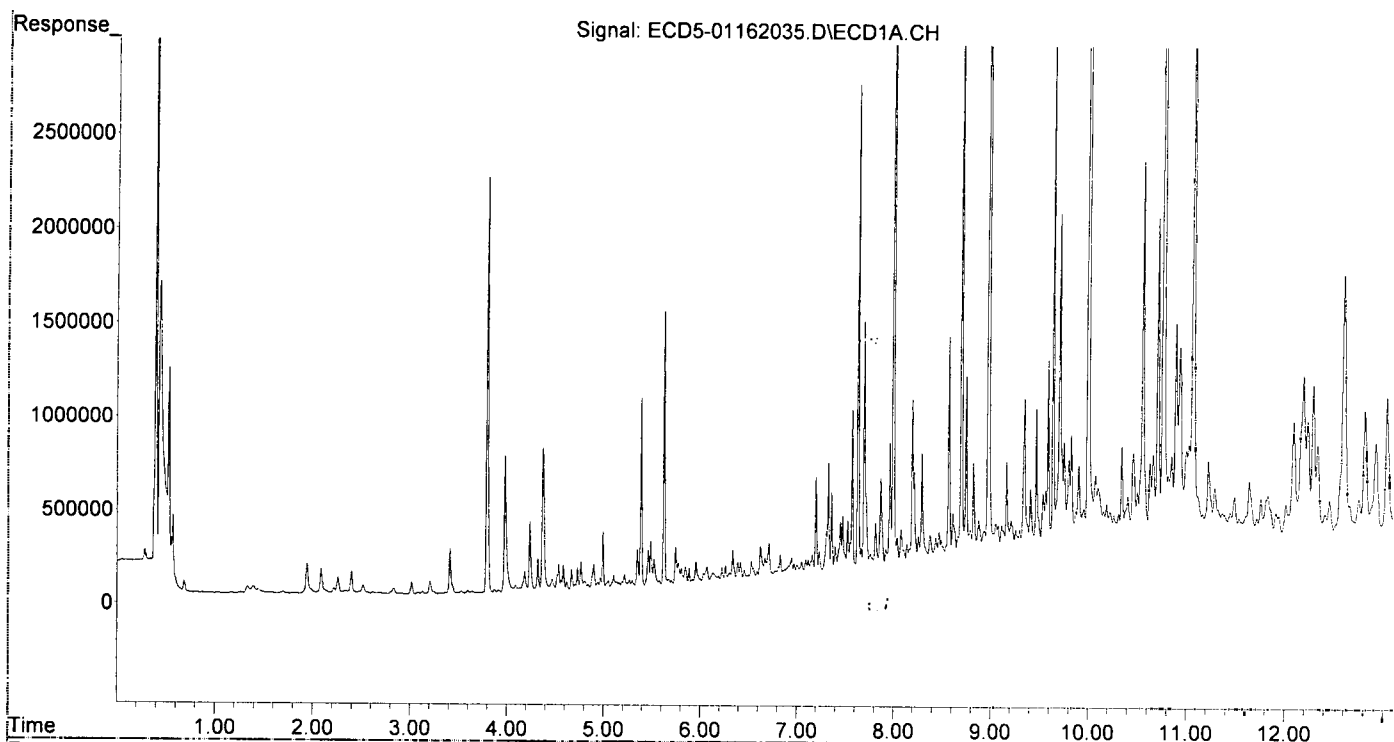
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.115	997997	1474260	5.111	4.946
22) S DCBP (S)	9.590	10.724	1025260	1764538	<u>6.703</u>	<u>9.916</u> # <i>s-01</i>
Target Compounds						
2) a-BHC	5.919	6.715	12084	49473	0.046	0.120 #
3) g-BHC	6.228	7.061	62812	80865	0.269	0.221 #
4) b-BHC	6.303	7.119	30511	172759	0.144	1.074 #
5) Heptachlor	6.626	7.423	159684	85914	0.703	0.242 #
6) d-BHC	6.457	7.380	37905	157711	0.174	0.527 #
7) Aldrin	6.879	7.708	27172	98627	0.123	0.296 #
8) Heptachlo...	7.327	8.110f	571480	243682	2.772	0.791 #
9) trans-Chl...	7.452f	8.273	254839	402047	1.209	1.289 #
10) cis-Chlor...	7.527	8.401	261524	642528	1.278	2.166 #
11) Endosulfa...	7.633	8.439	2574460	244517	<u>13.284</u>	0.880 #
12) 4,4'-DDE	7.574	8.487	846114	4815949	<u>4.104</u>	16.266 # <i>P-11</i>
13) Dieldrin	7.815f	8.629	233671	2114870	1.085	6.846 #
14) Endrin	7.963	8.894f	654317	9454854	3.782	40.239 #
15) 4,4'-DDD	7.997	8.894	5649721	9454854	<u>32.723</u>	38.465 #
16) Endosulfa...	8.140f	9.033	110017	976411	0.645	3.997 #
17) 4,4'-DDT	8.194	9.124	879244	1239955	<u>5.307m</u>	5.778 #
18) Endrin Al...	8.380f	9.252	144395	378712	0.943	1.694 #
19) Endosulfa...	8.700	9.450	3803572	1815993	23.767	8.192 #
20) Methoxychlor	8.572f	9.637f	1200002	1816756	13.856	15.276 #
21) Endrin Ke...	8.879f	9.866	205452	376040	1.076	1.502 #
23) Hexachlor...	3.207	3.778f	67309	420482	0.337	1.049 #
24) Hexachlor...	5.774	6.564f	104917	231021	0.389	0.722 #
25) Oxychlordane	7.235	8.045	105745	696242	0.403	2.489 #
26) 2,4'-DDE	7.327	8.254	571480	942405	4.008 <i>Q31</i>	<u>4.475</u>
27) trans-Non...	7.527	8.344	261524	401950	1.162	<u>1.307</u>
28) 2,4'-DDD	7.697	8.629	1316743	2114870	10.349 <i>Q31</i>	<u>11.466</u>
29) 2,4'-DDT	7.877	8.871	301965	201673	2.062m	<u>0.990m</u> #
30) cis-Nonac...	7.997	8.894	5649721	9454854	23.970	27.715 #
31) Mirex	8.613f	9.831	253959	1016873	1.637	5.590 #
32) Chlordane...	7.452	8.273	254839	402047	10.862	10.336 #
33) Chlordane...	7.527	8.401	261524	642528	9.074	20.018 #
34) Chlordane...	8.081	9.033f	189868	976411	24.958	91.960 #
35) Chlordane...	3.794f	3.778	2198949	420482	NoCal	NoCal
36) Toxaphene...	7.527	8.610	261524	1227981	248.308	454.083 #
37) Toxaphene...	7.815	8.957	233671	240551	120.160	69.073 #
38) Toxaphene...	8.140f	8.988	110017	384149	22.161	70.714 #
39) Toxaphene...	8.380f	9.033f	144395	976411	35.741	108.182 #
40) Toxaphene...	8.572	9.252	1200002	378712	364.989	75.411 #
41) Toxaphene...	0.000	9.637	0	1816756	N.D.	323.602 #
42) Toxaphene...	3.794	3.778f	2198949	420482	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB
Sample : A9J0816-32RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

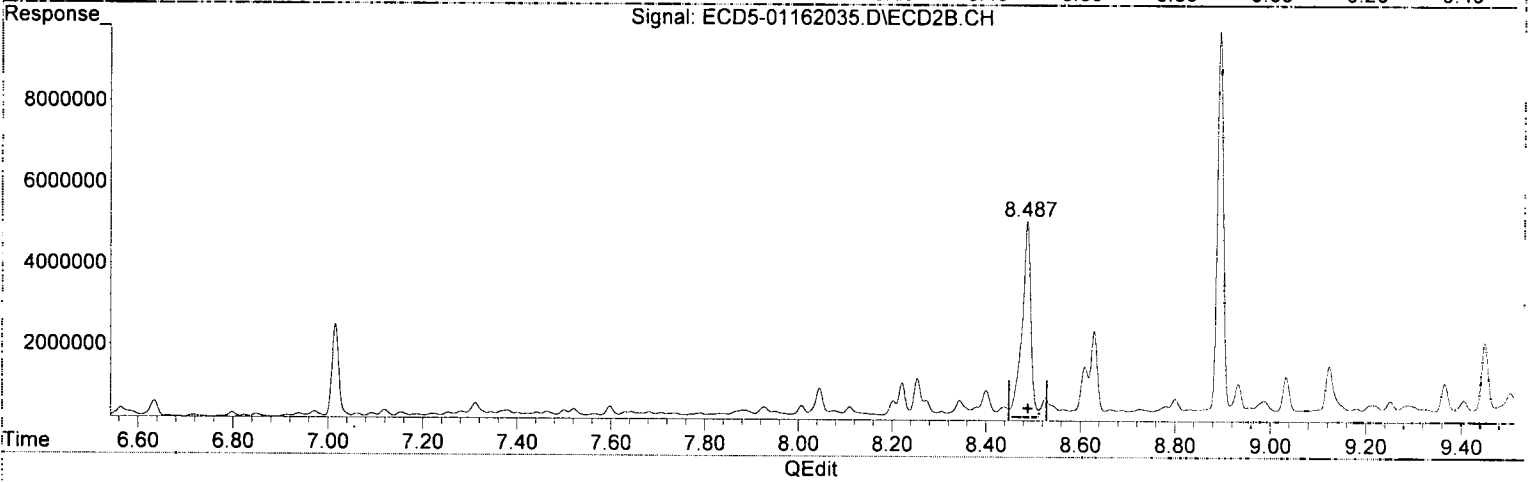
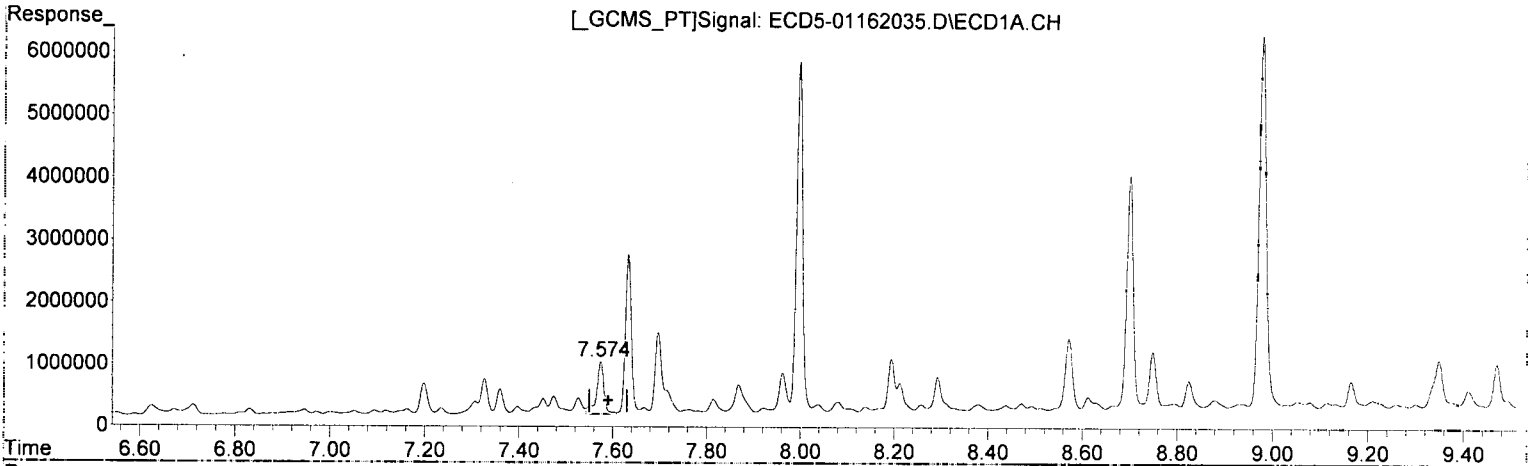
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 17 11:35:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB
Sample : A9J0816-32RE1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.574min 4.104 ng/mL
response 846114

P-11

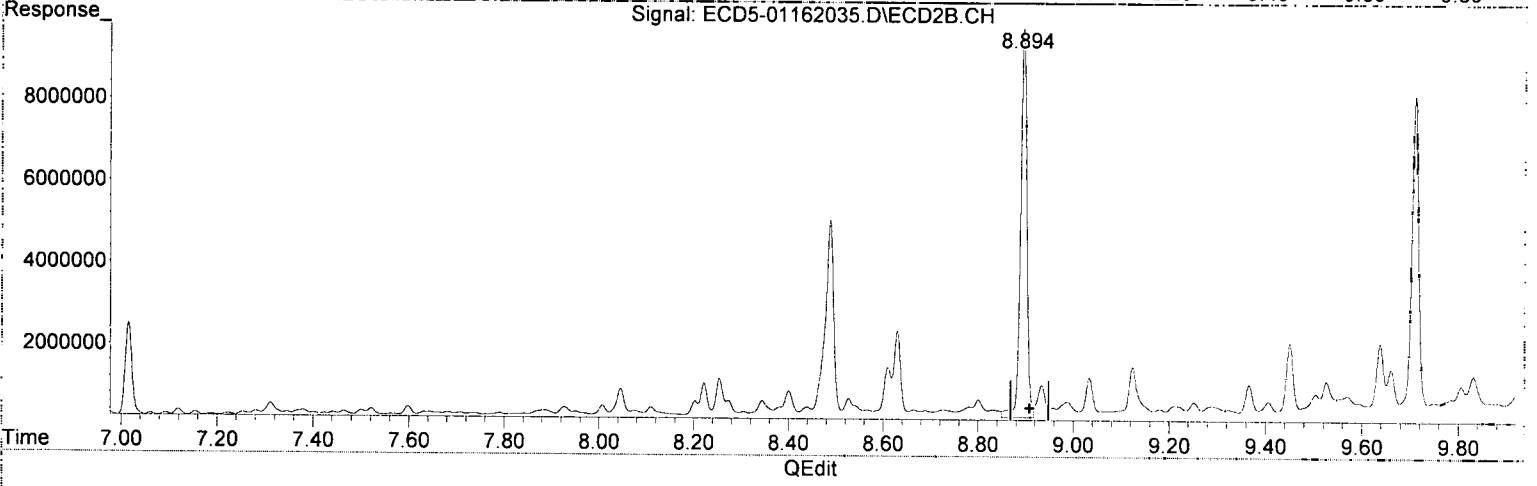
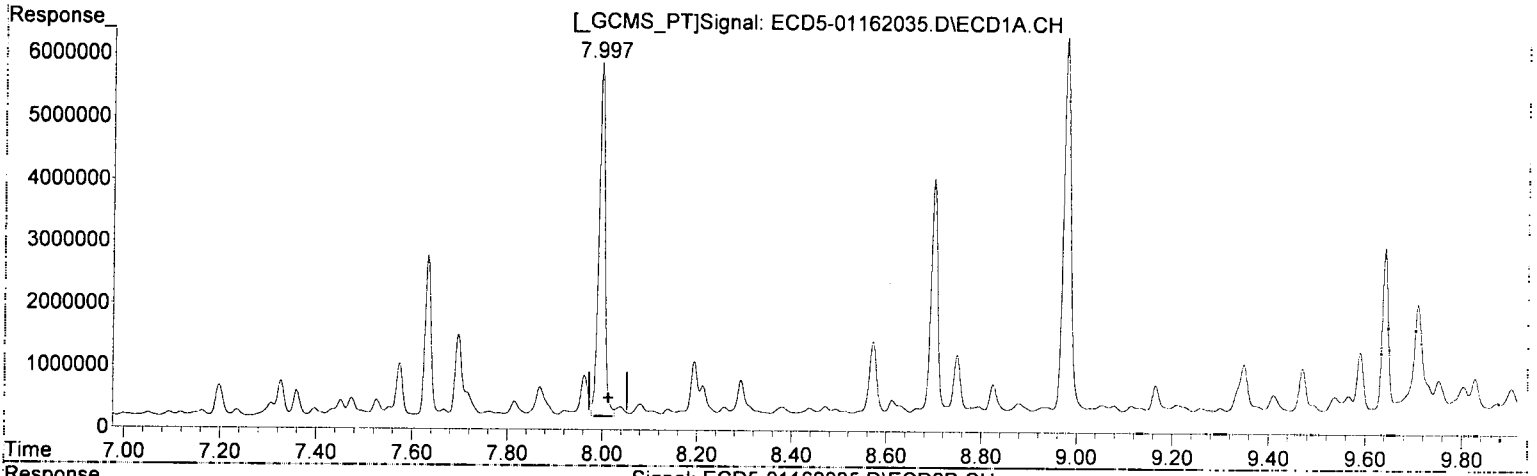
MJB 11/17/20

(12) 4,4'-DDE #2
8.487min 16.266 ng/mL
response 4815949

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB *61*
Sample : A9J0816-32RE1@5 *WP V(17)20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.997min 32.723 ng/mL
response 5649721

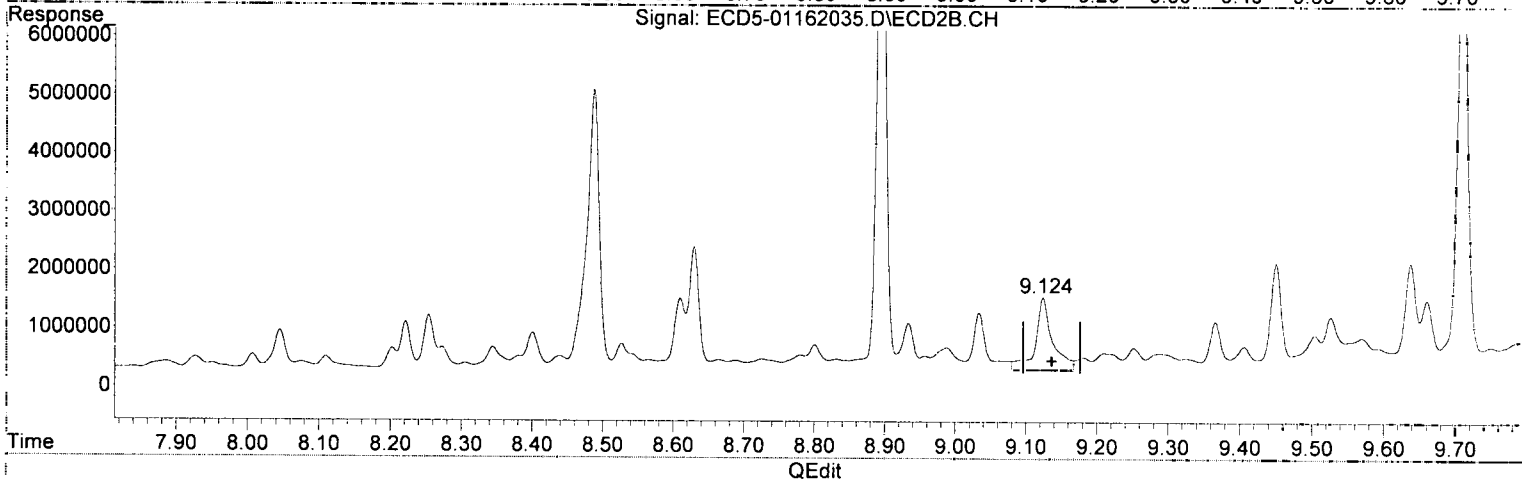
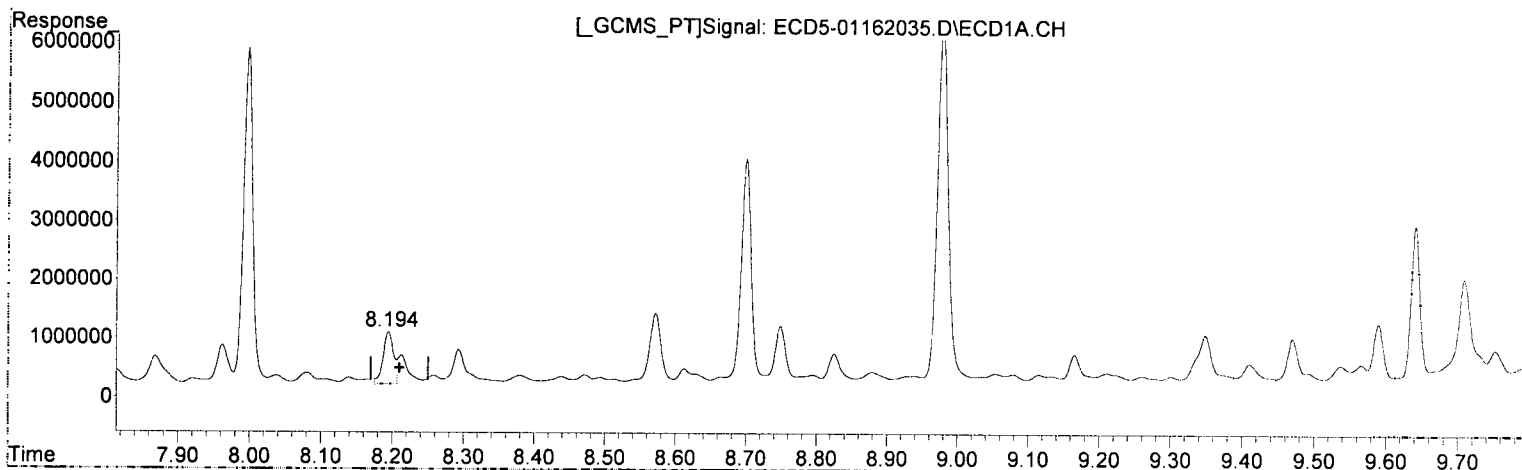
WP V(17)20

(15) 4,4'-DDD #2
8.894min 38.465 ng/mL
response 9454854

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB
Sample : A9J0816-32RE1@5 ^{WJB} 11/17/20
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.194min 5.307 ng/mL ^{WJB}
response 879244

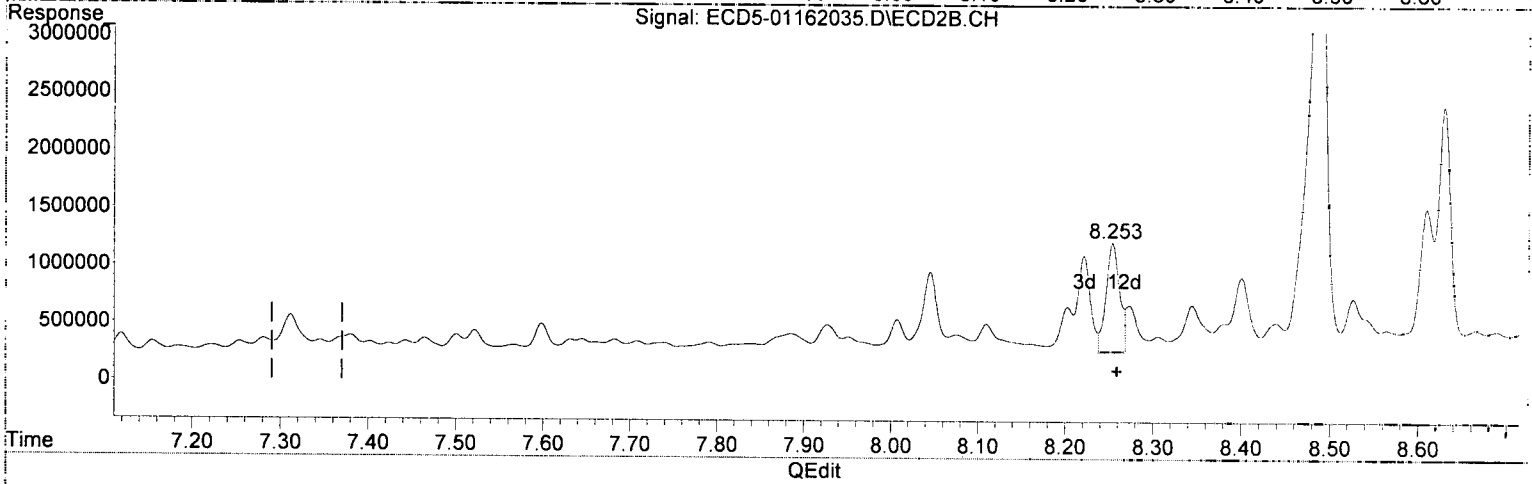
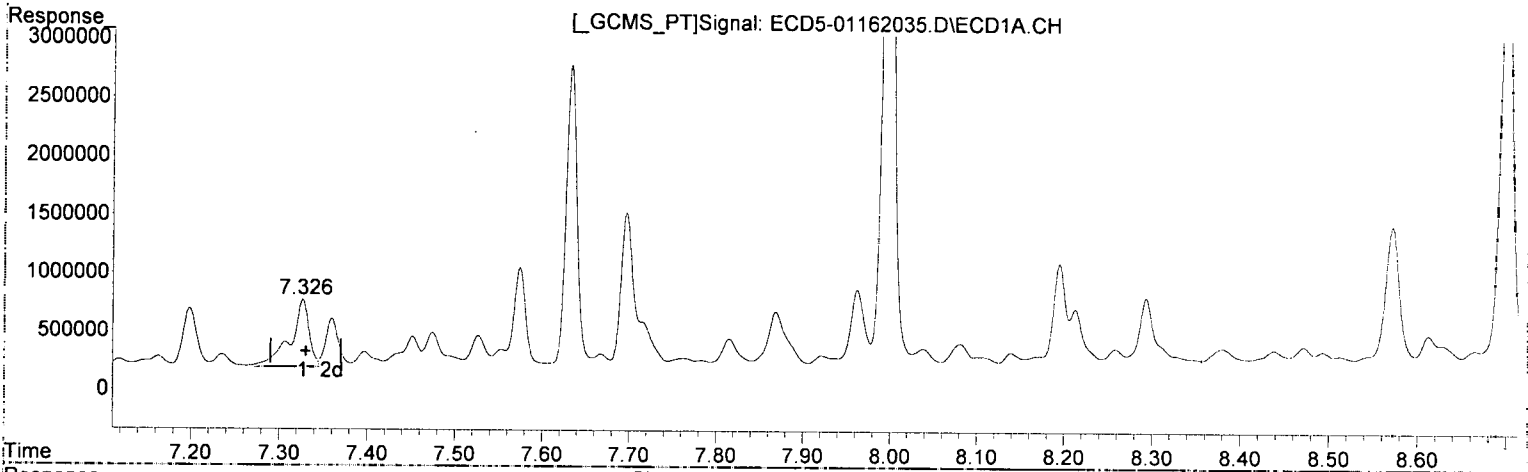
WJB
11/17/20

(17) 4,4'-DDT #2
9.124min 5.778 ng/mL
response 1239955

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB
Sample : A9J0816-32RE105
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.327min 4.008 ng/mL Q-21
response 571480

MJB
1/17/20

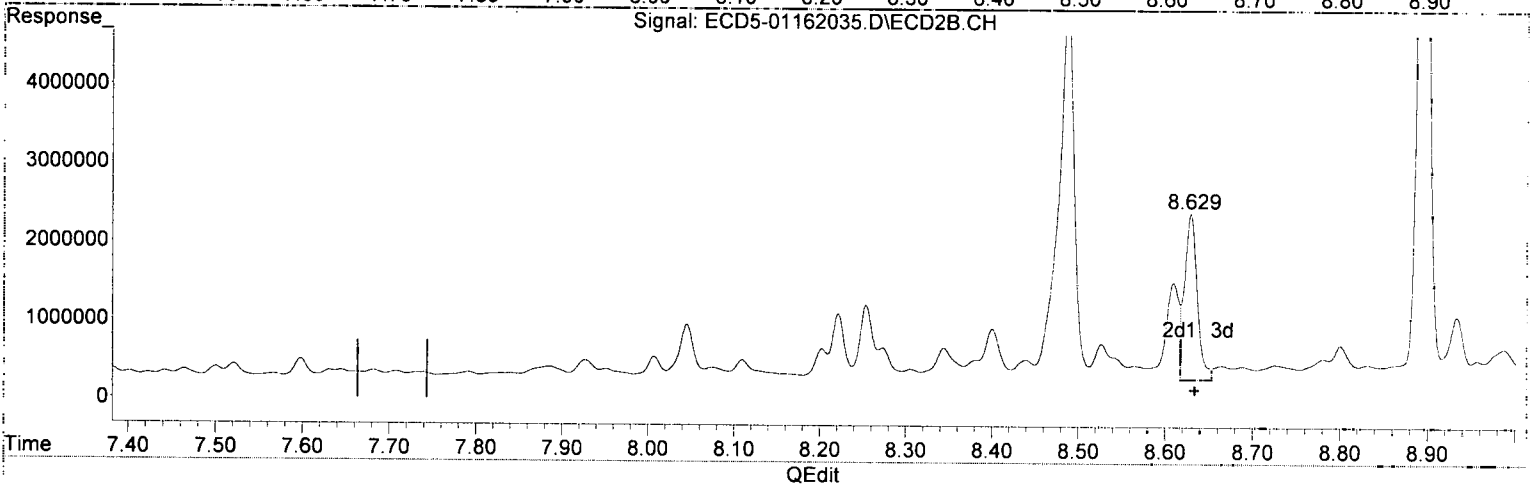
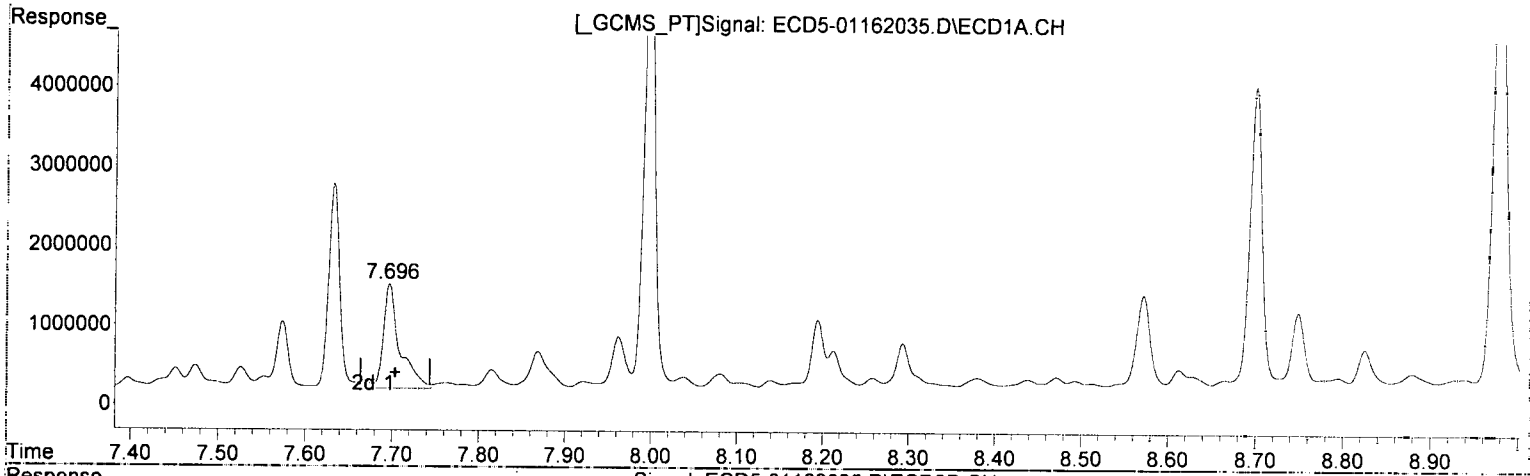
(26) 2,4'-DDE #2

8.254min 4.475 ng/mL
response 942405

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB *41*
Sample : A9J0816-32RE105 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.697min 10.349 ng/mL *Q-21*

response 1316743

MJB 1/17/20

(28) 2,4'-DDD #2

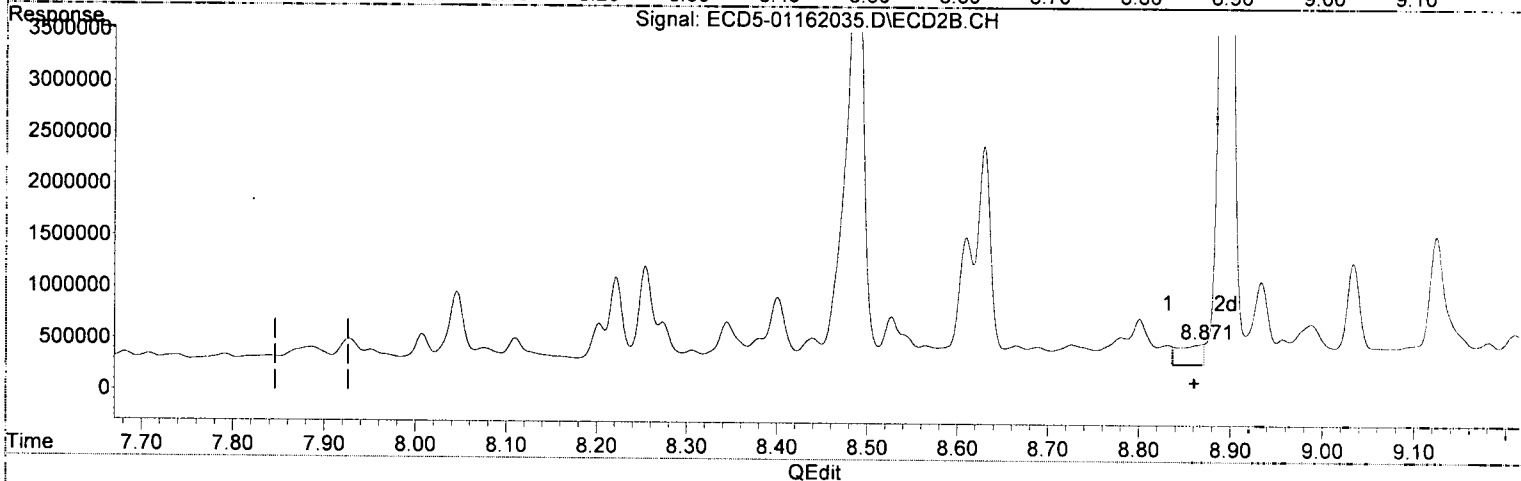
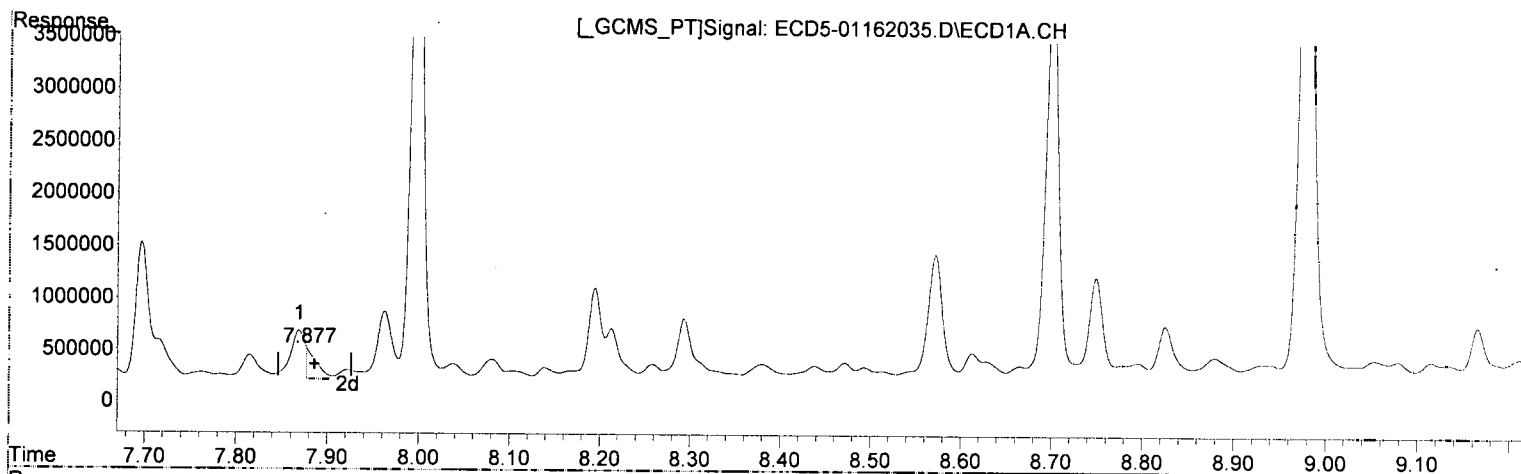
8.629min 11.466 ng/mL

response 2114870

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 21:16
 Operator : MJB ⁶¹
 Sample : A9J0816-32RE105 ¹¹⁷¹²⁰
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:48 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
 7.877min 2.062 ng/mL(m)
 response 301965

MJB 117120

(29) 2,4'-DDT #2
 8.871min 0.990 ng/mL(m)
 response 201673

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 21:16
 Operator : MJB
 Sample : A9J0816-32RE1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB
1/17/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 17 10:53:48 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

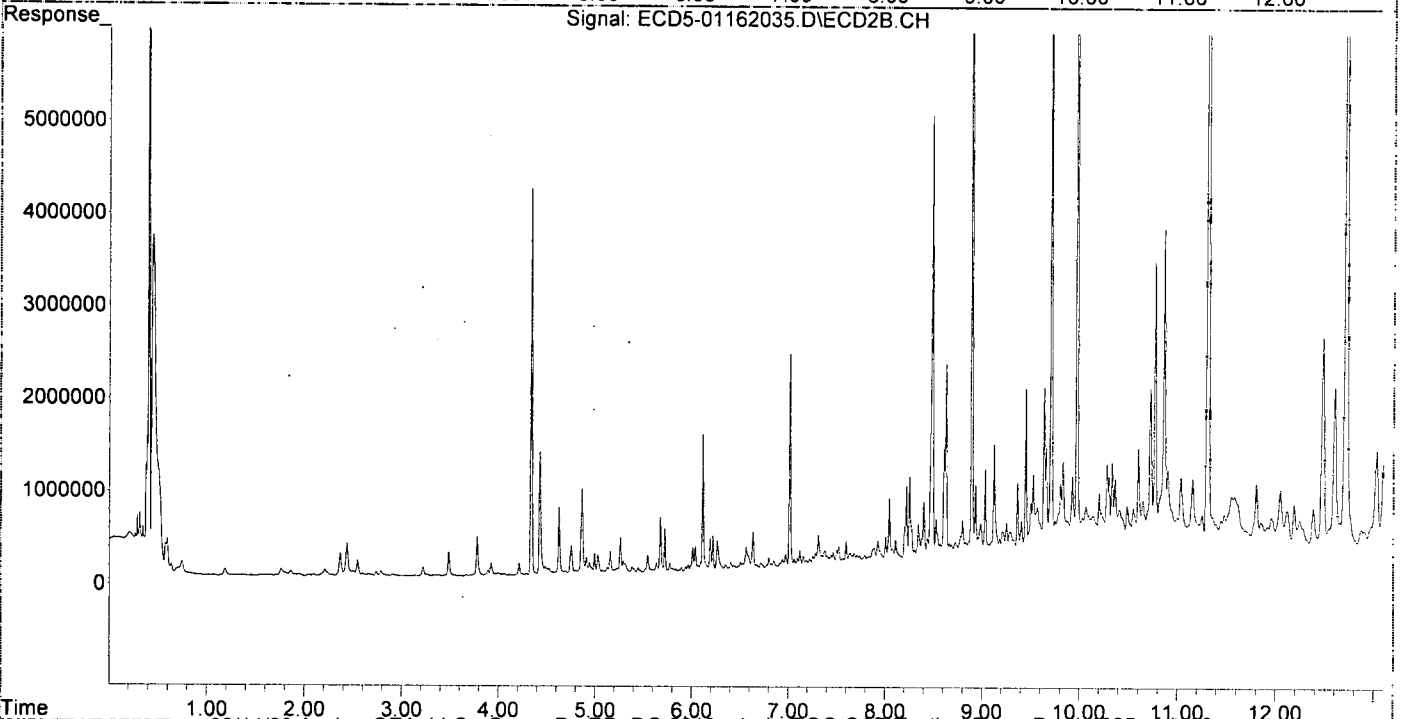
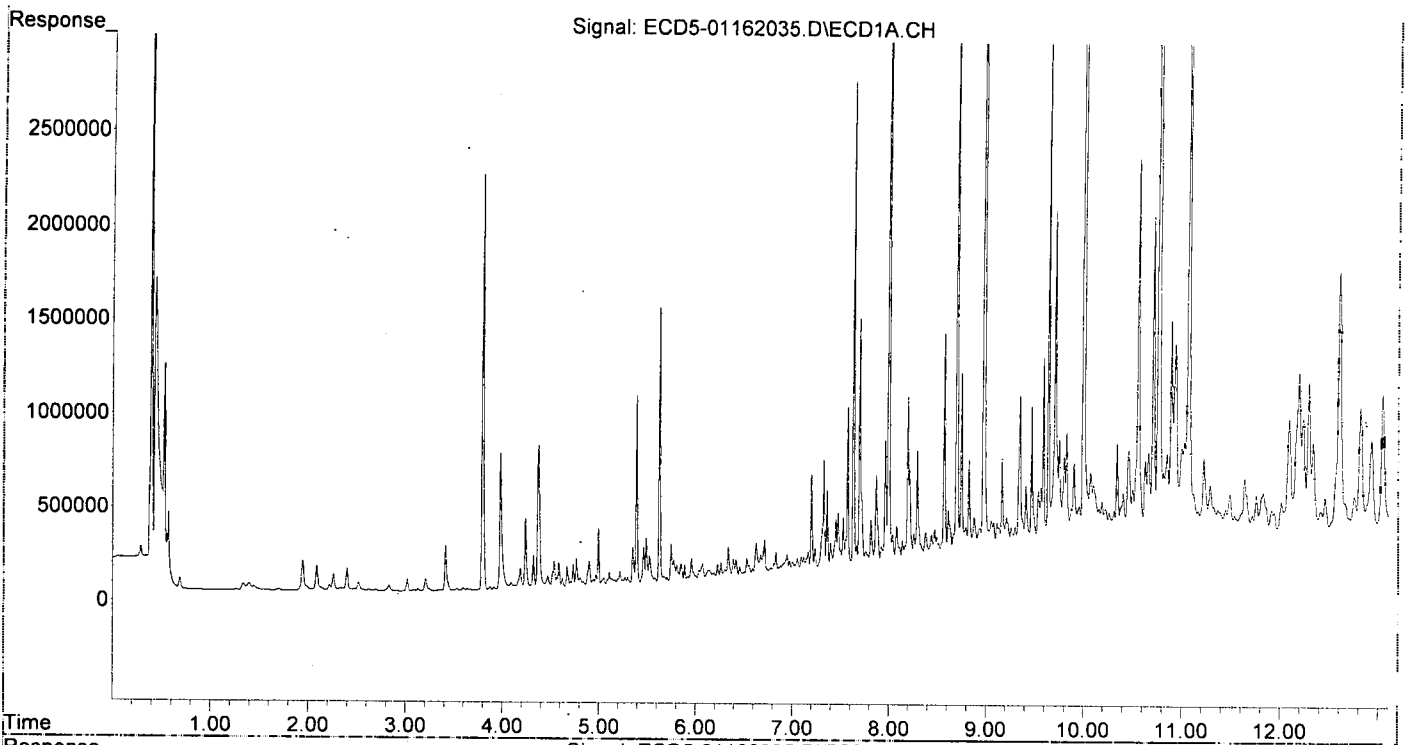
MJB
1/17/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.115	997997	1474260	5.111	4.946
22) S DCBP (S)	9.590	10.724	1025260	1764538	6.703	9.916 #
Target Compounds						
2) a-BHC	5.919	6.715	12084	49473	0.046	0.120 #
3) g-BHC	6.228	7.061	62812	80865	0.269	0.221
4) b-BHC	6.303	7.119	30511	172759	0.144	1.074 #
5) Heptachlor	6.626	7.423	159684	85914	0.703	0.242 #
6) d-BHC	6.457	7.380	37905	157711	0.174	0.527 #
7) Aldrin	6.879	7.708	27172	98627	0.123	0.296 #
8) Heptachlo...	7.327	8.110f	571480	243682	2.772	0.791 #
9) trans-Chl...	7.452f	8.273	254839	402047	1.209	1.289
10) cis-Chlor...	7.527	8.401	261524	642528	1.278	2.166 #
11) Endosulfa...	7.633	8.439	2574460	244517	13.284	0.880 #
12) 4,4'-DDE	7.574	8.487	846214	4815949	4.104	16.266 #
13) Dieldrin	7.815f	8.629	233671	2114870	1.085	6.846 #
14) Endrin	7.963	8.894f	674317	9454854	3.782	40.239 #
15) 4,4'-DDD	7.997	8.894	5649721	9454854	32.723	38.465
16) Endosulfa...	8.140f	9.033	110017	976411	0.645	3.997 #
17) 4,4'-DDT	8.212	9.124	487219	1239955	2.941	5.778 #
18) Endrin Al...	8.380f	9.252	144395	378712	0.943	1.694 #
19) Endosulfa...	8.700	9.450	3803572	1815993	23.767	8.192 #
20) Methoxychlor	8.572f	9.637f	1200002	1816756	13.856	15.276
21) Endrin Ke...	8.879f	9.866	205452	376040	1.076	1.502
23) Hexachlor...	3.207	3.778f	67309	420482	0.337	1.049 #
24) Hexachlor...	5.774	6.664f	104917	231021	0.389	0.722 #
25) Oxychlordane	7.235	8.045	105745	696242	0.403	2.489 #
26) 2,4'-DDE	7.327	8.254	571480	942405	4.008	4.475
27) trans-Non...	7.527	8.344	261524	401950	1.162	1.307
28) 2,4'-DDD	7.697	8.629	1316743	2114870	10.349	11.466
29) 2,4'-DDT	7.869	8.831f	467271	184732	3.190	0.899 #
30) cis-Nonac...	7.997	8.894	5649721	9454854	23.970	27.715
31) Mirex	8.613f	9.831	253959	1016873	1.637	5.590 #
32) Chlordane...	7.452	8.273	254839	402047	10.862	10.336
33) Chlordane...	7.527	8.401	261524	642528	9.074	20.018 #
34) Chlordane...	8.081	9.033f	189868	976411	24.958	91.960 #
35) Chlordane...	3.784f	3.778	2198949	420482	NoCal	NoCal
36) Toxaphene...	7.527	8.610	261524	1227981	248.308	454.083 #
37) Toxaphene...	7.815	8.957	233671	240551	120.160	69.073 #
38) Toxaphene...	8.140f	8.988	110017	384149	22.161	70.714 #
39) Toxaphene...	8.380f	9.033f	144395	976411	35.741	108.182 #
40) Toxaphene...	8.572	9.252	1200002	378712	364.989	75.411 #
41) Toxaphene...	0.000	9.637	0	1816756	N.D.	323.602 #
42) Toxaphene...	3.794	3.778f	2198949	420482	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:16
Operator : MJB
Sample : A9J0816-32RE1@5 *MJB* *1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 21:54
 Operator : MJB
 Sample : A9J0816-33RE1(2) *MJB 1/17/20*
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:53:55 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 1/17/20

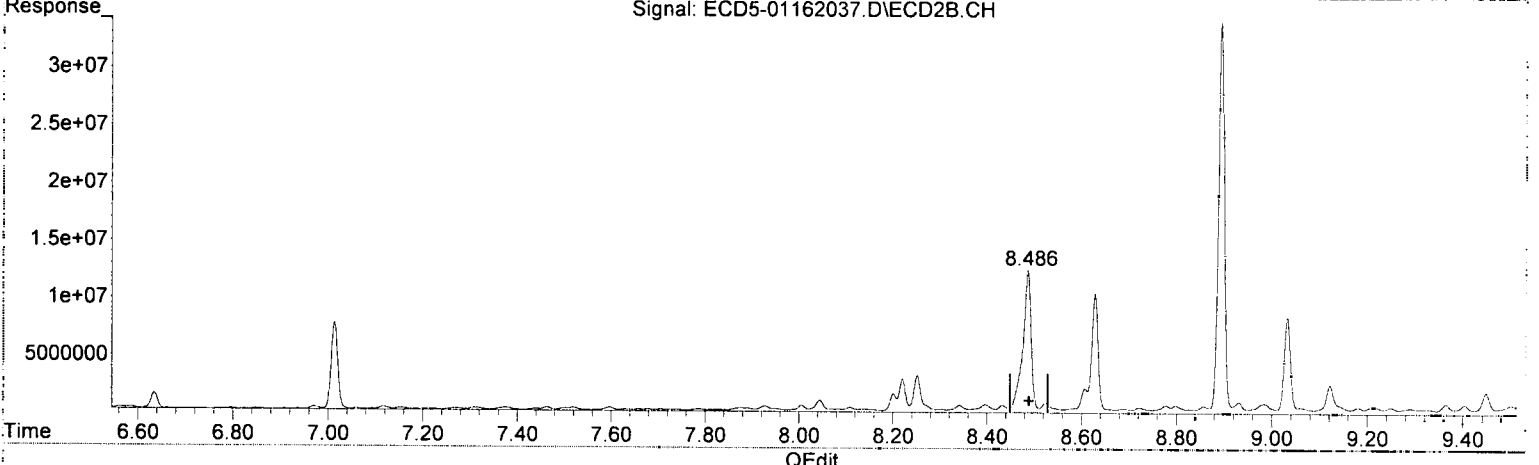
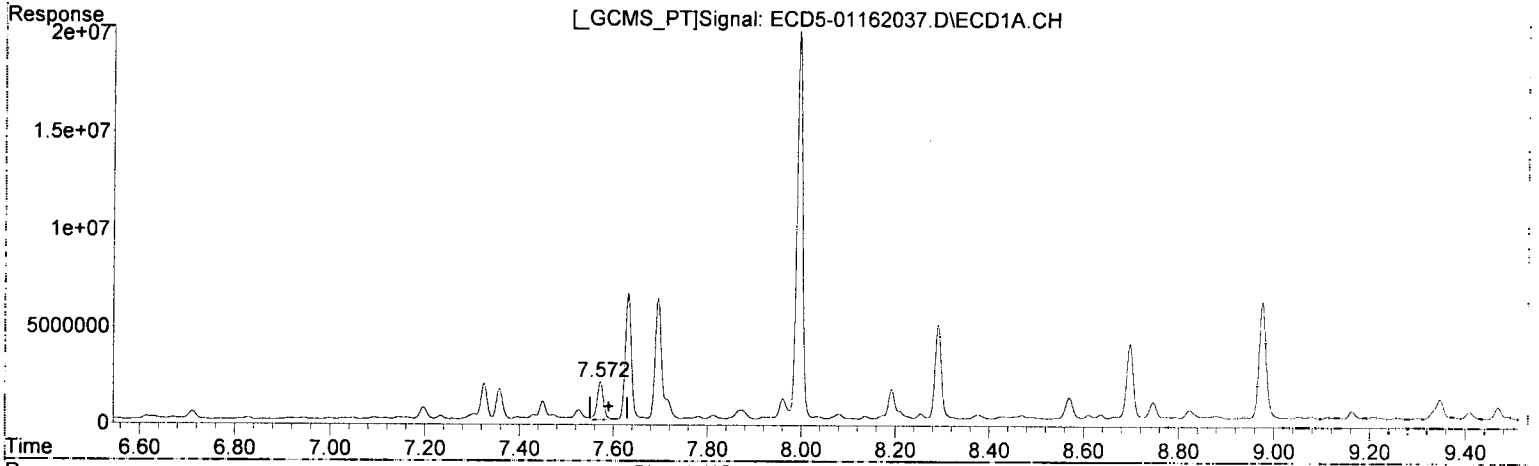
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.387	6.113	3643007	6247784	18.657	20.960
22) S DCBP (S)	9.588	10.720	3825633	5636249	25.496	31.674
Target Compounds						
2) a-BHC	5.917	6.728	29105	89165	0.111	0.216 #
3) g-BHC	6.225	7.060	83451	125335	0.357	0.343
4) b-BHC	6.298	7.118	68446	274654	0.531	1.707 #
5) Heptachlor	6.616	7.440	182550	145168	0.803	0.410 #
6) d-BHC	6.455	7.377	61341	233900	0.282	0.753 #
7) Aldrin	6.860	7.706	27764	120767	0.126	0.363 #
8) Heptachlo...	7.325	8.139	1869935	179369	9.071	0.582 #
9) trans-Chl...	7.450f	8.303f	948365	179727	4.501	0.576 #
10) cis-Chlor...	7.526	8.397	505898	609482	2.472	2.055
11) Endosulfa...	7.632	8.433	6510050	560743	33.591	2.018 #
12) 4,4'-DDE	7.573	8.486	1955105	12293776	9.482	40.290 # <i>P-11</i>
13) Dieldrin	7.782	8.628	183275	10268383	0.851	33.239 #
14) Endrin	7.961	8.857	1099227	505285	6.353	2.150 #
15) 4,4'-DDD	7.995	8.893	19946250	33645186	115.527	136.877
16) Endosulfa...	8.137	9.032	205944	8254256	1.207	33.788 #
17) 4,4'-DDT	8.193	9.122	1590375	2376970	9.600	10.944
18) Endrin Al...	8.429f	9.250	190819	437616	1.246	1.957 #
19) Endosulfa...	8.698	9.448	3997544	1764239	24.979	7.959 #
20) Methoxychlor	8.570f	9.635f	1180994	1724009	13.636	14.496
21) Endrin Ke...	8.878f	9.868	255865	533808	1.340	2.132 #
23) Hexachlor...	3.205	3.775f	126088	1295475	0.632	3.233 #
24) Hexachlor...	5.773	6.586	124656	215225	0.491	0.672
25) Oxychlordane	7.234	8.044	207670	932384	0.987	3.334 #
26) 2,4'-DDE	7.325	8.252	1869935	3111806	13.114 <i>P-11</i>	14.777
27) trans-Non...	7.526	8.342	505898	528227	2.395	1.718
28) 2,4'-DDD	7.695	8.628	6268274	10268383	49.266 <i>P-11</i>	55.673 <i>P-11</i>
29) 2,4'-DDT	7.872	8.857	501690	505285	3.425	2.630 <i>P-11</i>
30) cis-Nonac...	7.995	8.893	19946250	33645186	84.627	98.626
31) Mirex	8.637	9.830	319989	1147526	2.127	6.337 #
32) Chlordane...	7.450	8.303f	948365	179727	40.422	4.621 #
33) Chlordane...	7.526	8.397	505898	609482	17.553	18.988
34) Chlordane...	8.081	9.060	319472	409231	41.994	38.542
35) Chlordane...	3.792f	3.775f	4547739	1295475	NoCal	NoCal
36) Toxaphene...	7.526	8.628	505898	10268383	480.334	3797.047 #
37) Toxaphene...	7.813	8.984	245513	729248	126.250	209.400 #
38) Toxaphene...	8.137f	8.984f	205944	729248	45.097	137.013 #
39) Toxaphene...	8.377	9.060	284078	409231	70.316	45.341
40) Toxaphene...	8.570	9.250	1180994	437616	359.207	87.141 #
41) Toxaphene...	8.637	9.635	319989	1724009	73.690	307.082 #
42) Toxaphene...	3.792	3.775f	4547739	1295475	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB
Sample : A9J0816-33RE1@2 *WJP 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.573min 9.482 ng/mL
response 1955105

P-11

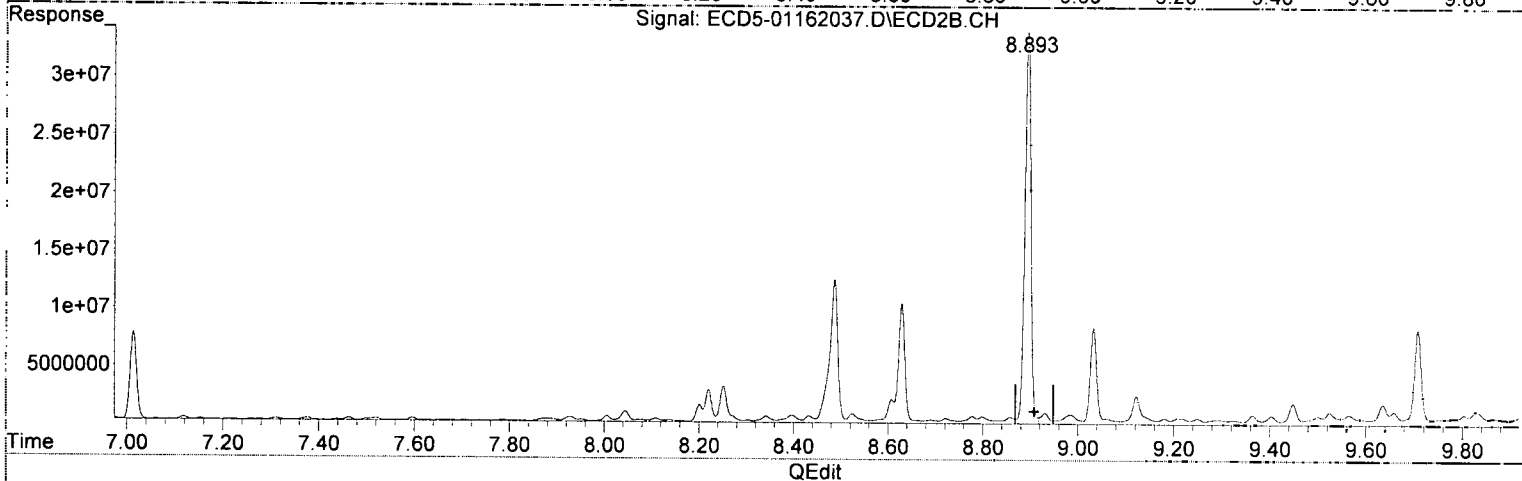
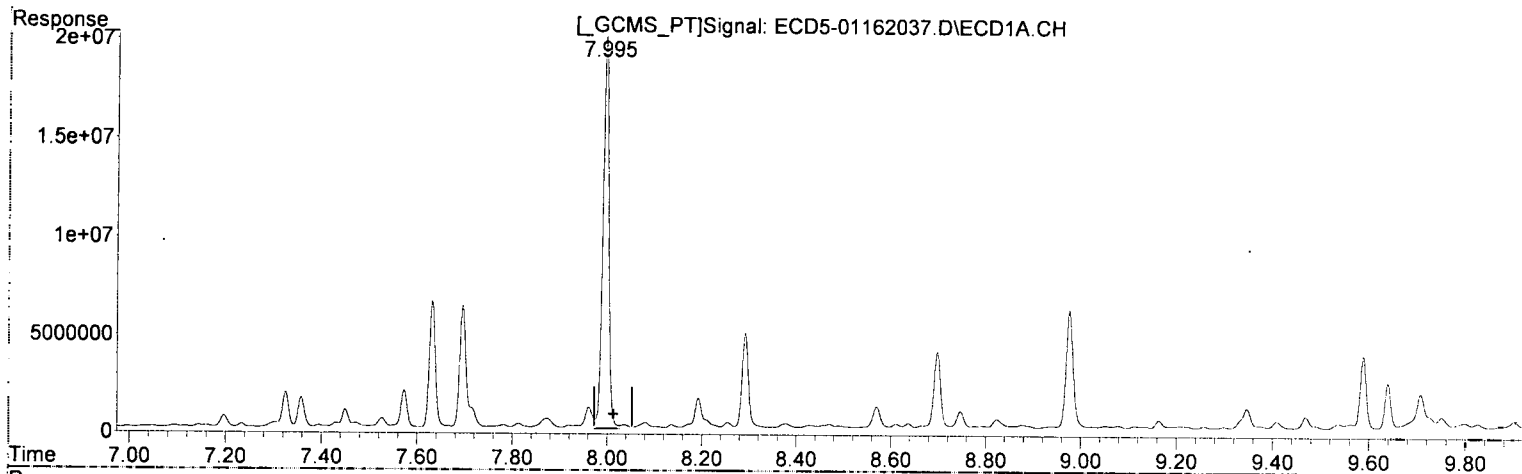
MJB 1/17/20

(12) 4,4'-DDE #2
8.486min 40.290 ng/mL
response 12293776

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB *61*
Sample : A9J0816-33RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.995min *15.527* ng/mL
response 19946250

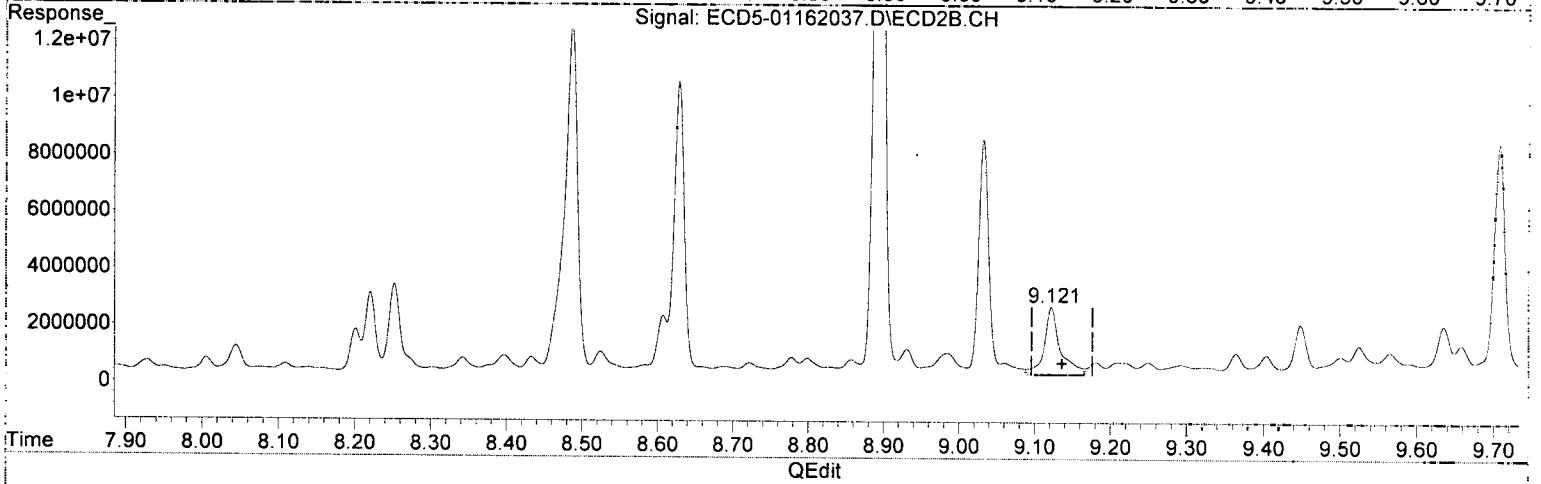
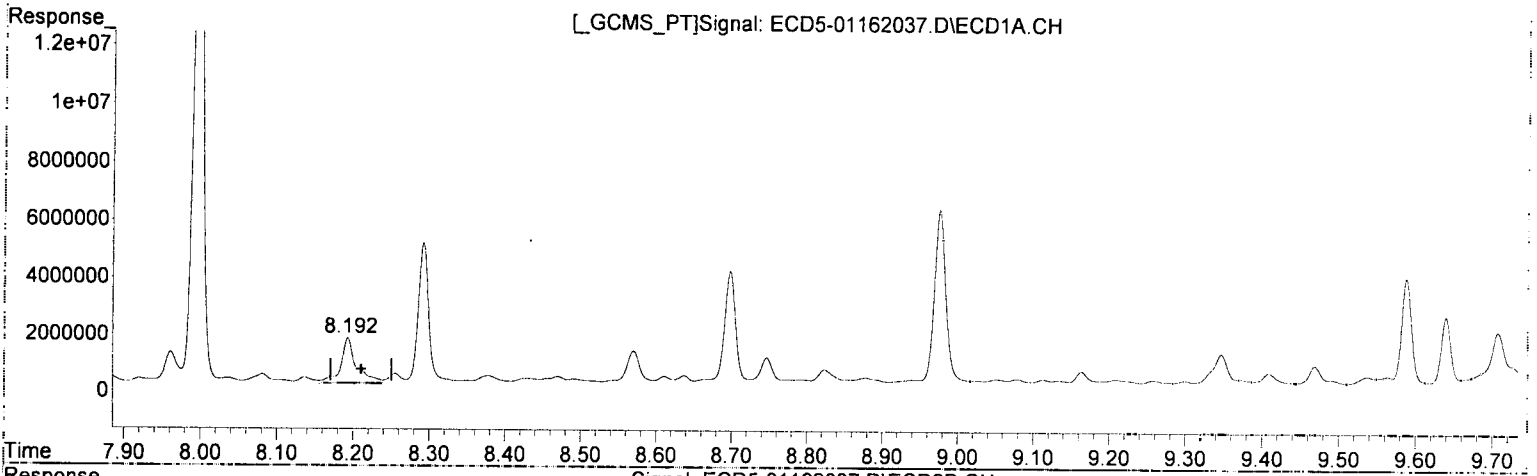
MJB 1/17/20

(15) 4,4'-DDD #2
8.893min 136.877 ng/mL
response 33645186

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB *61*
Sample : A9J0816-33RE1@2 *MJB 11/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : InaleECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.193min 9.600 ng/mL
response 1590375

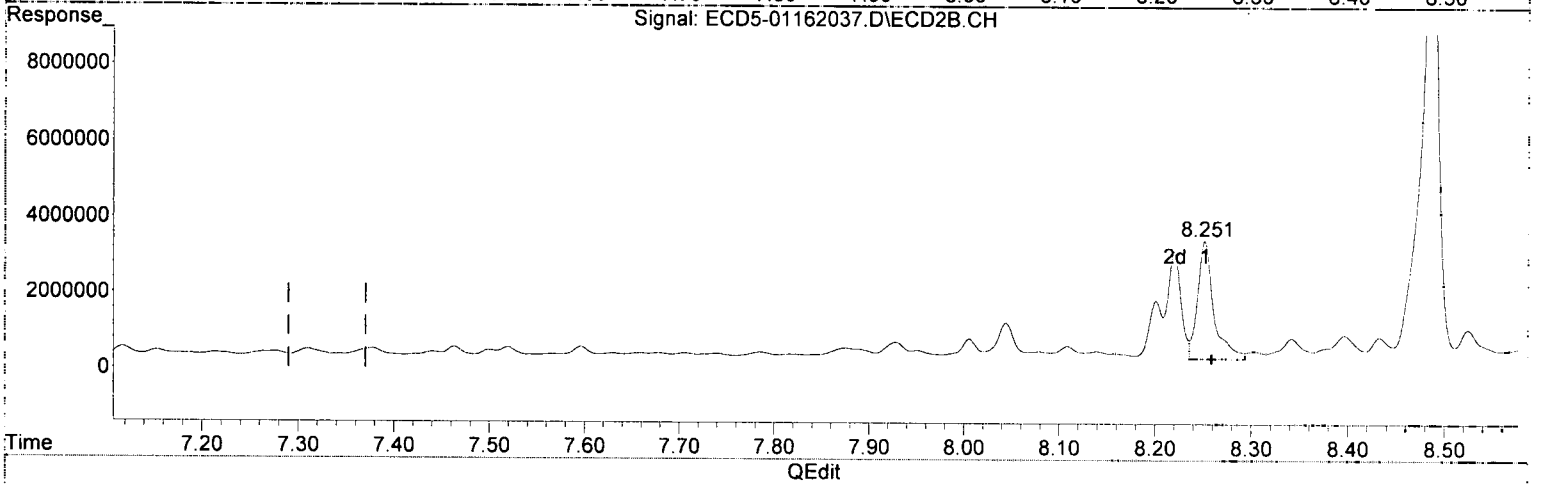
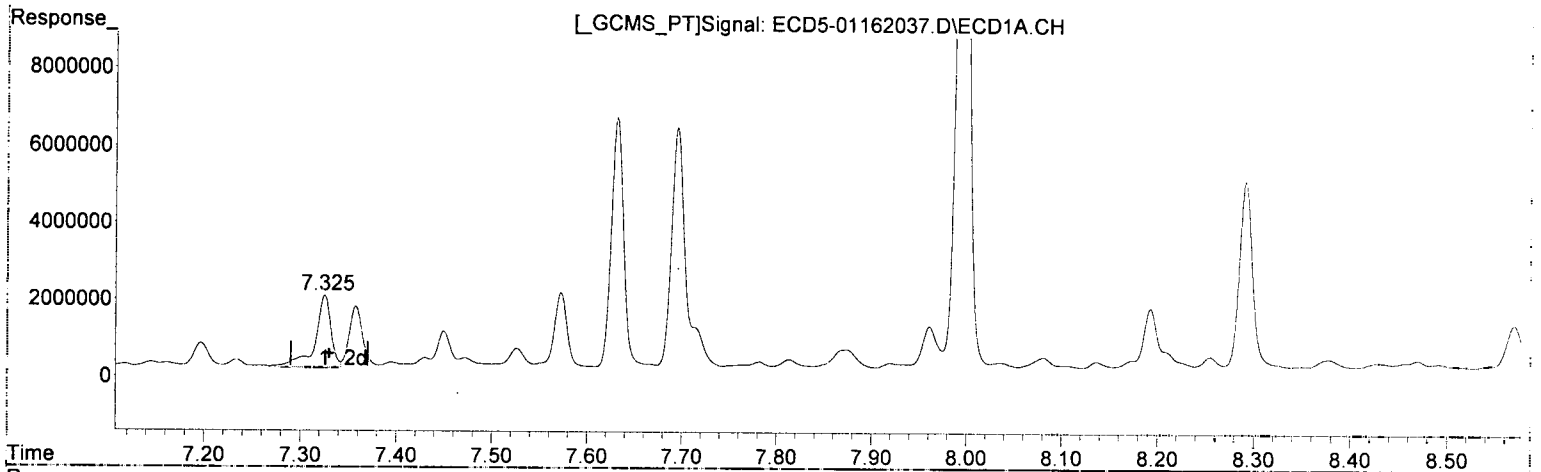
MJB 11/17/20

(17) 4,4'-DDT #2
9.122min 10.944 ng/mL
response 2376970

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB
Sample : A9J0816-33RE1@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.325min 13.114 ng/mL Q-21
response 1869935

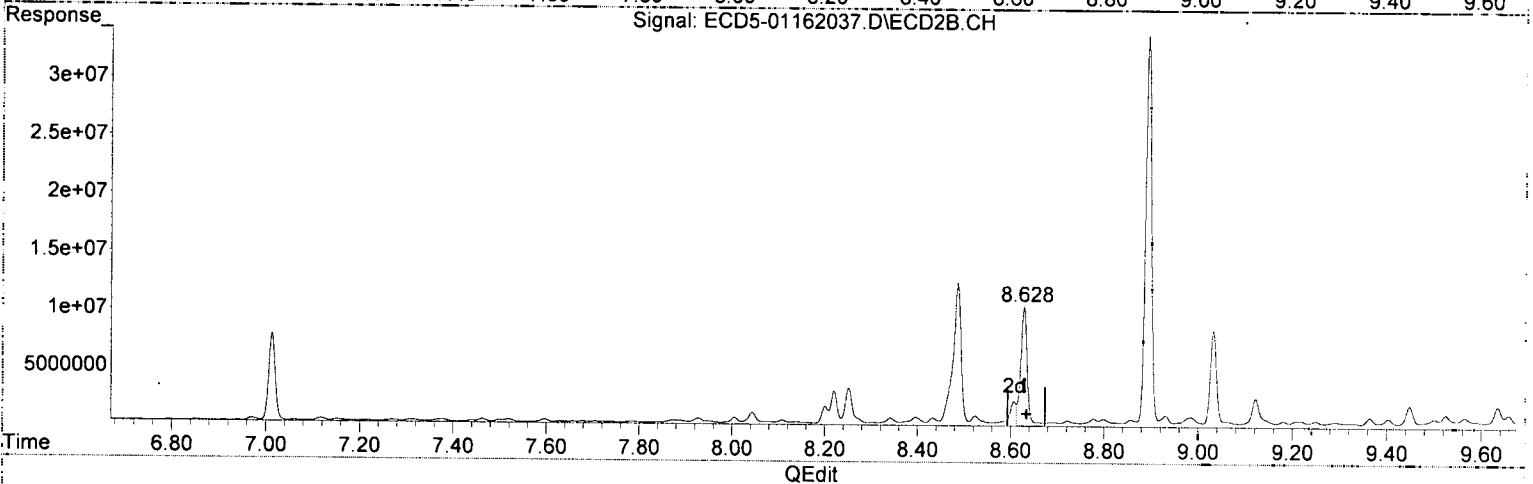
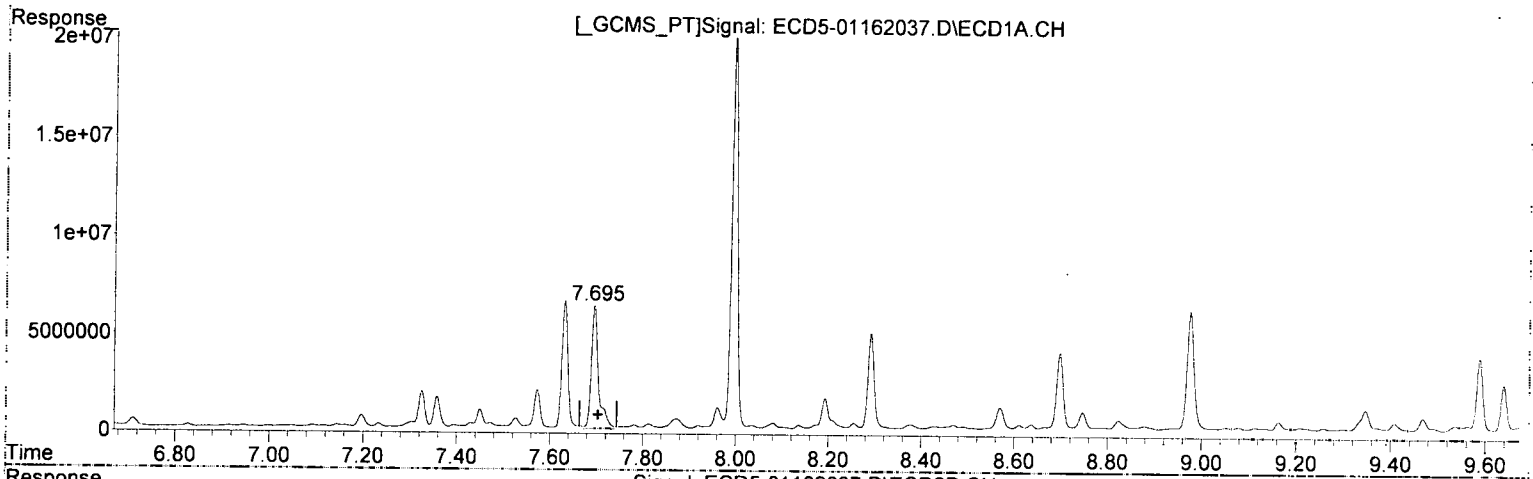
MJB 1/17/20

(26) 2,4'-DDE #2
8.252min 14.777 ng/mL
response 3111806

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB
Sample : A9J0816-33RE1@2 *MJB 11/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.695min 49.266 ng/mL *Q-31*
response 6268274

MJB 11/17/20

(28) 2,4'-DDD #2

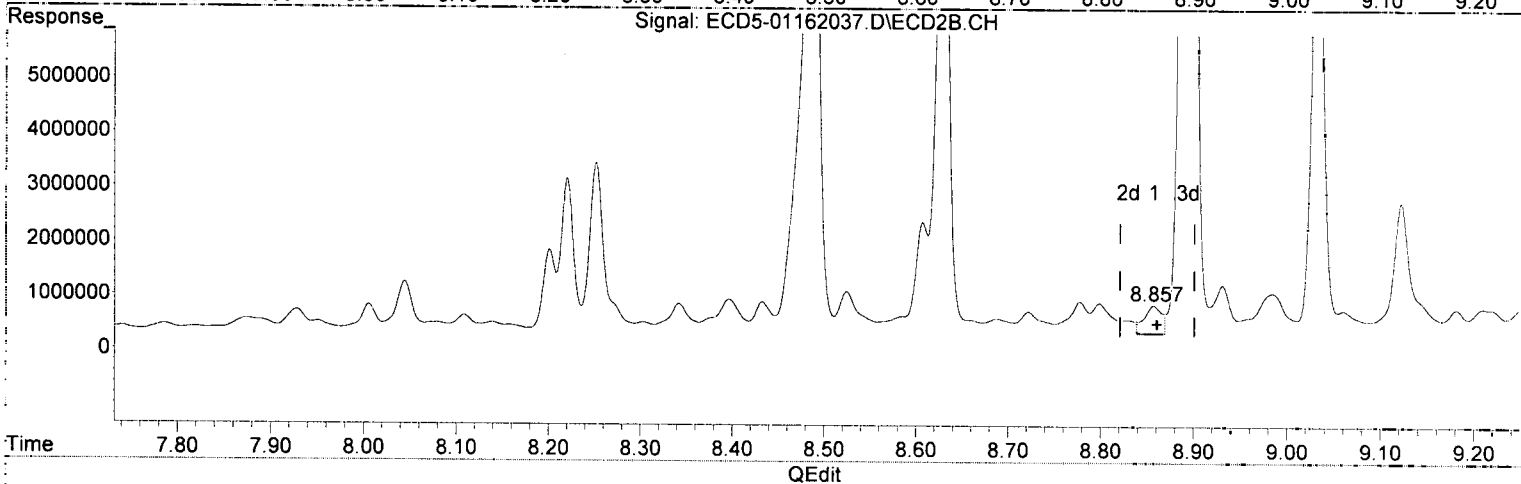
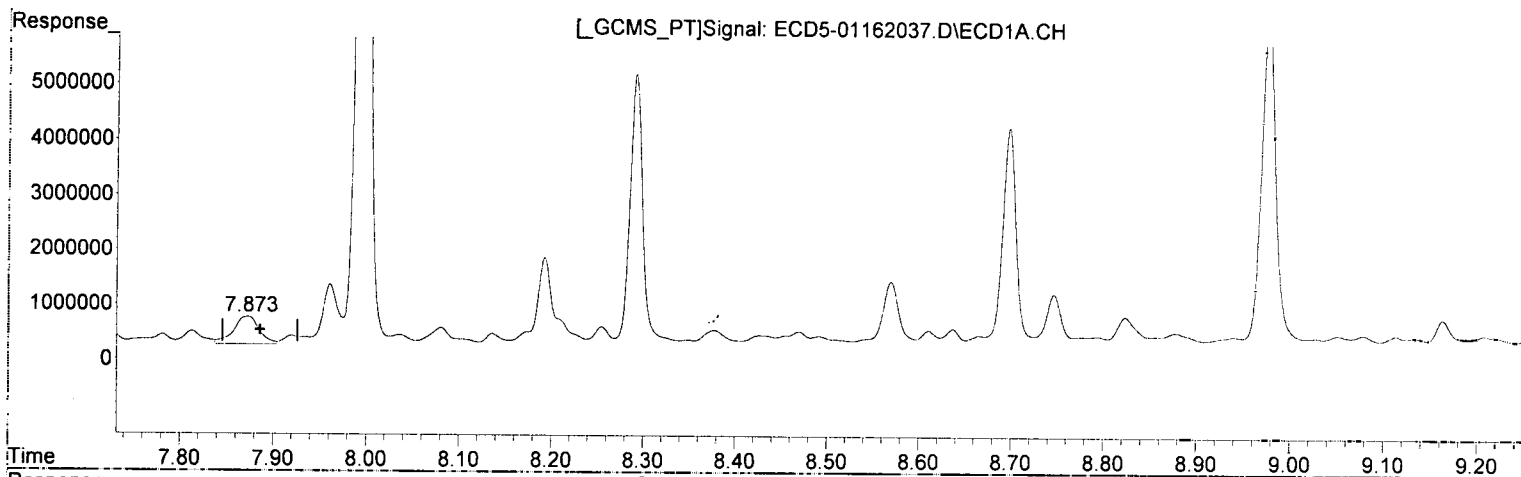
8.628min 55.673 ng/mL
response 10268383

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB
Sample : A9J0816-33RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.872min 3.425 ng/mL
response 501690

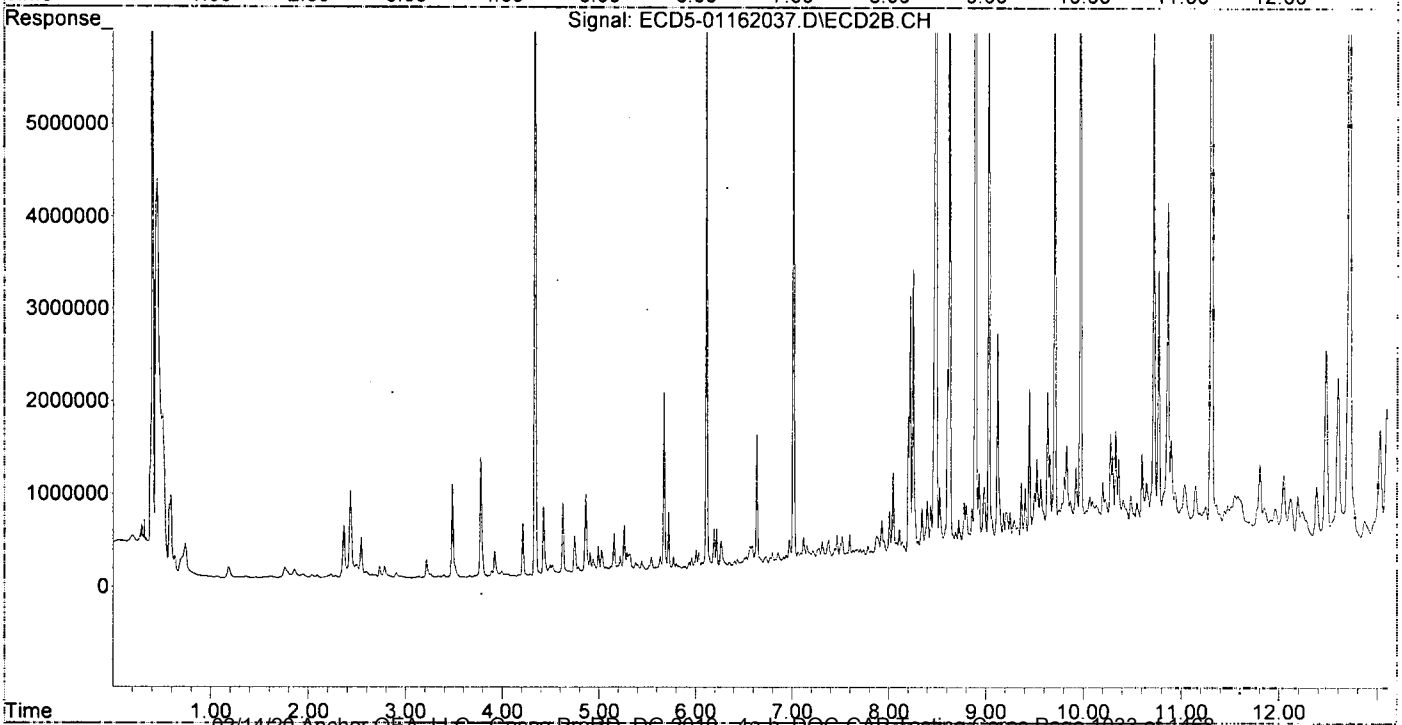
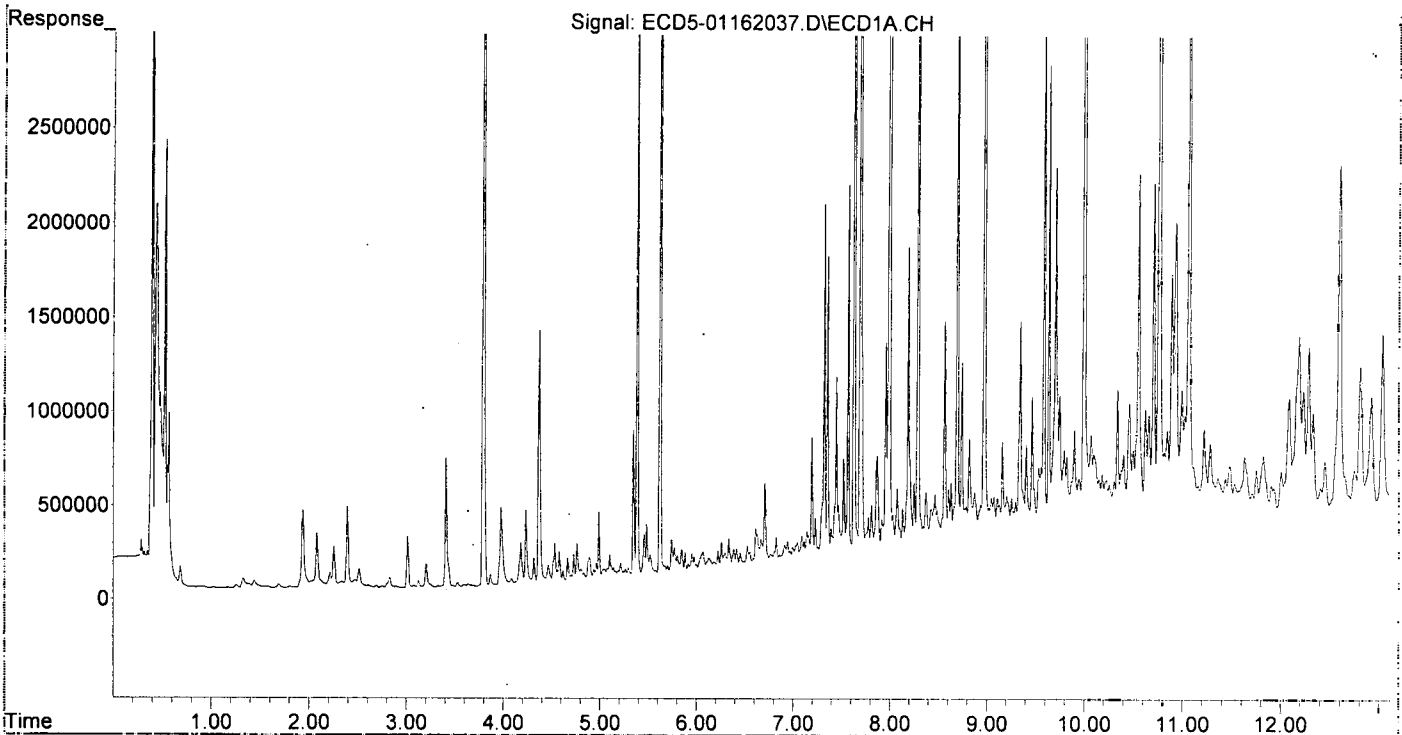
MJB 1/17/20

(29) 2,4'-DDT #2
8.857min 2.630 ng/mL *2-02*
response 505285

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 21:54
Operator : MJB
Sample : A9J0816-33RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:53:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 22:31
 Operator : MJB
 Sample : A9J0816-34RE105 *MD 1/17/20*
 Misc : 5x, 8081B 2,4,4,4-DDx Only, GPC
 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: Jan 17 10:54:02 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 1/17/20

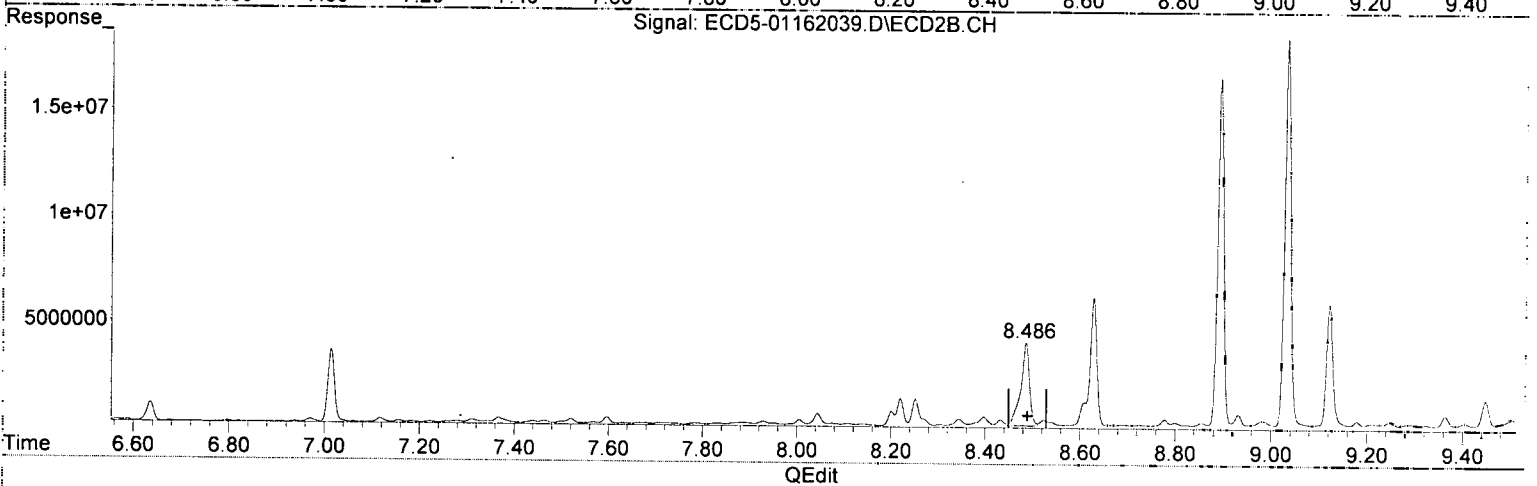
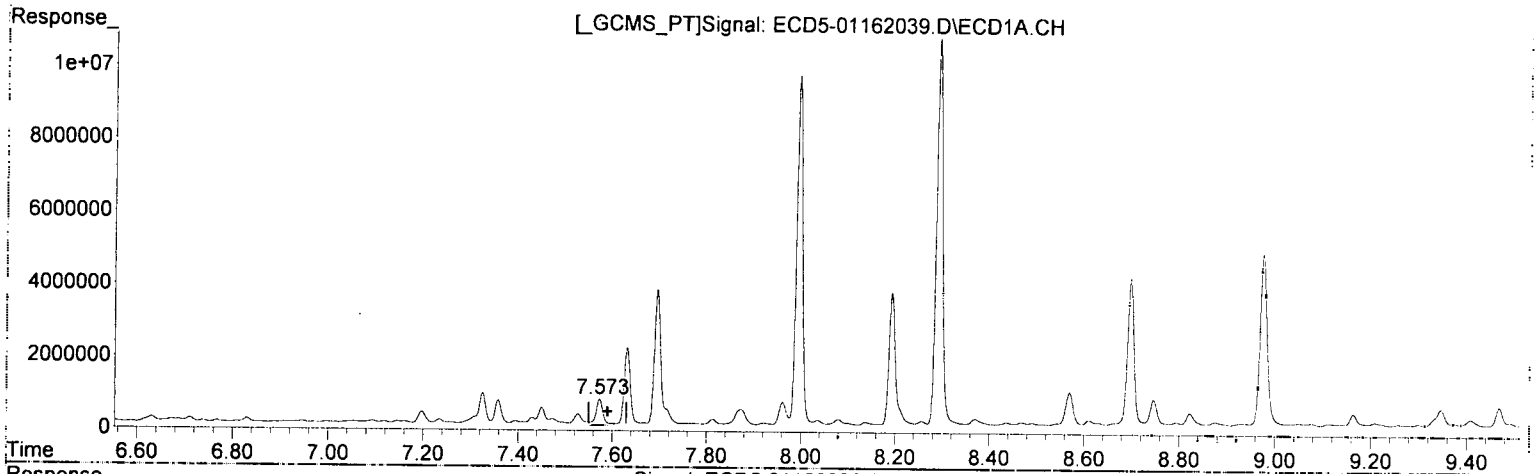
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.387	6.113	922539	1443311	4.725	4.842
22) S DCBP (S)	9.588	10.722	1022142	1499455	<u>6.682</u>	<u>8.426</u> <i>G-04</i>
Target Compounds						
2) a-BHC	5.954f	6.721	59579	49024	0.226	0.119 #
3) g-BHC	6.226	7.060	158082	53194	0.677	0.146 #
4) b-BHC	6.302	7.118	66527	200469	0.511	1.246 #
5) Heptachlor	6.631	7.439	179483	120266	0.790	0.339 #
6) d-BHC	6.458	7.367	68634	258864	0.315	0.828 #
7) Aldrin	6.830f	7.707	146455	52784	0.664	0.158 #
8) Heptachlo...	7.325	8.140	881625	58045	4.277	0.188 #
9) trans-Chl...	7.451f	8.305f	472931	58155	2.244	0.186 #
10) cis-Chlor...	7.527	8.397	303454	416145	1.483	1.403 #
11) Endosulfa...	7.632	8.432	2151493	297308	<u>11.101</u>	1.070 #
12) 4,4'-DDE	7.573	8.486	717427	3956450	<u>3.480</u>	13.416 # <i>1-11</i>
13) Dieldrin	7.814	8.629	181233	6085039	0.841	19.697 #
14) Endrin	7.962	8.855	662972	201259	<u>3.832</u>	0.857 #
15) 4,4'-DDD	7.996	8.893	9649411	16417029	<u>55.889</u>	66.788 #
16) Endosulfa...	8.139f	9.033	117196	18296449	<u>0.687</u>	74.894 #
17) 4,4'-DDT	8.194	9.122	3685666	5826390	<u>22.248</u>	26.057 #
18) Endrin Al...	8.437f	9.249	132645	286223	0.866	1.280 #
19) Endosulfa...	8.698	9.448	4155313	1290563	25.965	5.822 #
20) Methoxychlor	8.570f	9.636f	982159	1329307	11.340	11.177 #
21) Endrin Ke...	8.929f	9.866	142457	248437	0.746	0.992 #
23) Hexachlor...	3.207	3.777f	74395	412458	0.373	1.029 #
24) Hexachlor...	5.776	6.589	56749	95790	0.139	0.299 #
25) Oxychlordane	7.234	8.044	139592	531872	0.597	1.902 #
26) 2,4'-DDE	7.325	8.252	881625	1244457	6.183 <i>Q3</i>	<u>5.909</u>
27) trans-Non...	7.527	8.344	303454	319379	1.374	1.039 #
28) 2,4'-DDD	7.696	8.629	3754066	6085039	29.505 <i>Q3</i>	<u>32.992</u>
29) 2,4'-DDT	7.873	8.855	446007	201259	3.045	0.988 #
30) cis-Nonac...	7.996	8.893	9649411	16417029	40.940	48.124 #
31) Mirex	8.611f	9.830	215432	725662	1.351	3.919 #
32) Chlordane...	7.451	8.305f	472931	58155	20.158	1.495 #
33) Chlordane...	7.527	8.397	303454	416145	10.529	12.965 #
34) Chlordane...	8.081	9.033f	189150	18296449	24.863	1723.198 #
35) Chlordane...	3.793f	3.777	2508129	412458	NoCal	NoCal
36) Toxaphene...	7.527	8.629	303454	6085039	288.120	2250.128 #
37) Toxaphene...	7.814	8.956	181233	118803	93.195	34.114 #
38) Toxaphene...	8.139f	8.982f	117196	288416	23.878	52.191 #
39) Toxaphene...	8.371	9.033f	230081	18296449	56.950	2027.156 #
40) Toxaphene...	8.570	9.249	982159	286223	298.730	56.994 #
41) Toxaphene...	0.000	9.636	0	1329307	N.D.	236.777 #
42) Toxaphene...	3.793	3.777f	2508129	412458	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB
Sample : A9J0816-34RE1@5 *MB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.573min 3.480 ng/mL
response 717427

P.11

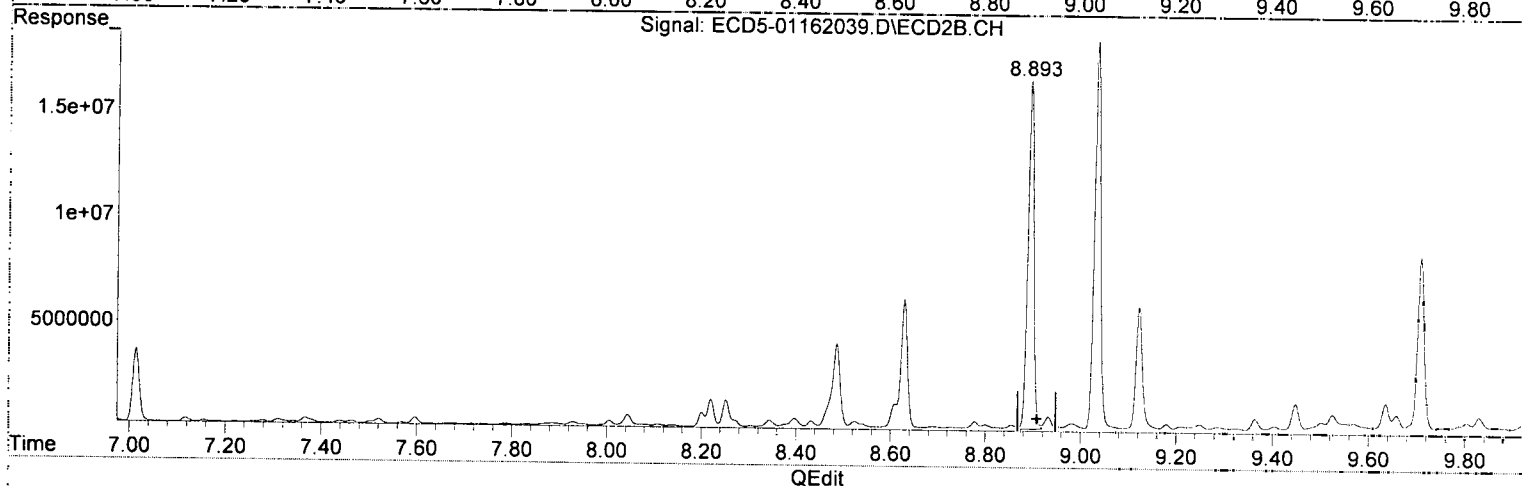
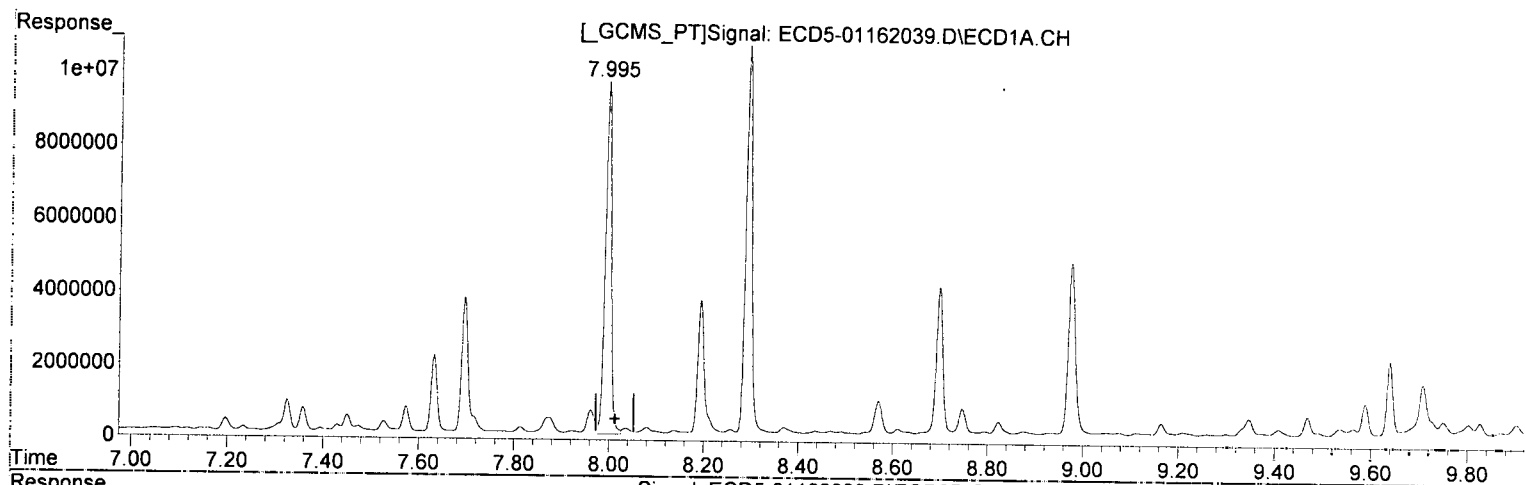
MB 1/17/20

(12) 4,4'-DDE #2
8.486min 13.416 ng/mL
response 3956450

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB *61*
Sample : A9J0816-34RE105 *11/7/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD

7.996min 55.889 ng/mL

response 9649411

MJB 11/7/20

(15) 4,4'-DDD #2

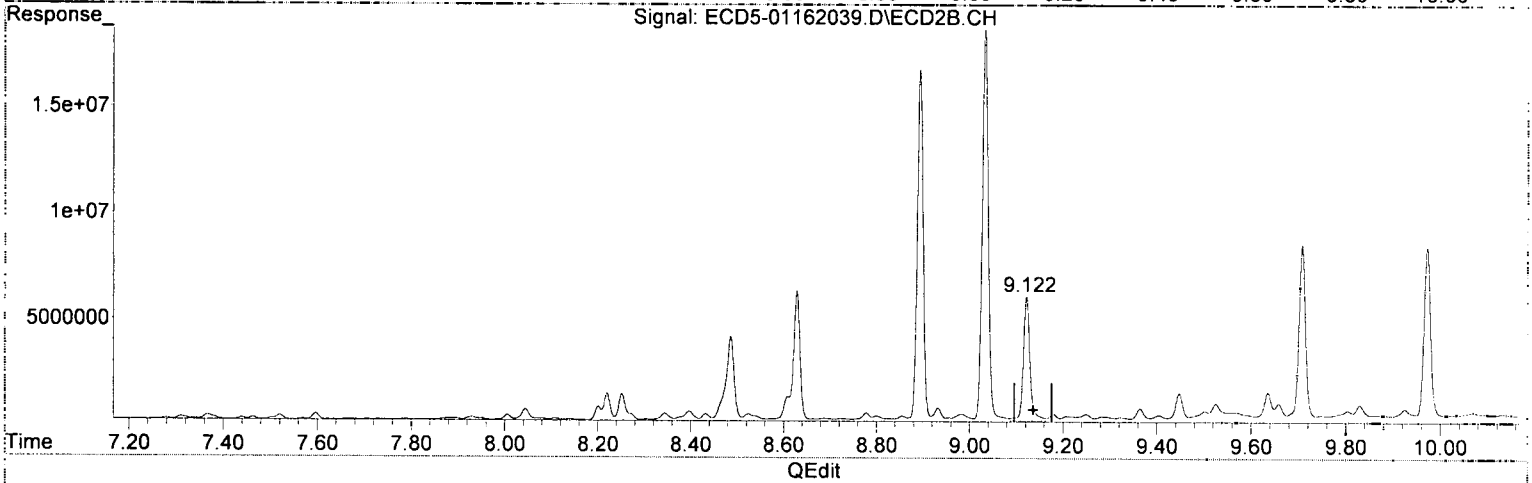
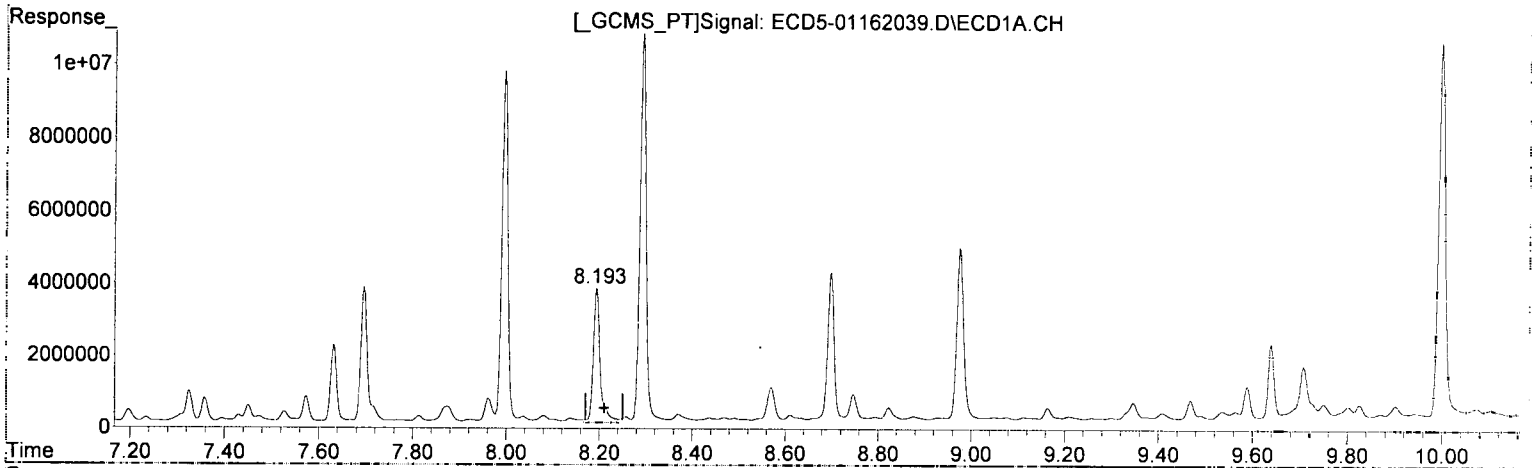
8.893min 66.788 ng/mL

response 16417029

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB *61* *MJB*
Sample : A9J0816-34RE1@5 *1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.194min 22.248 ng/mL
response 3685666

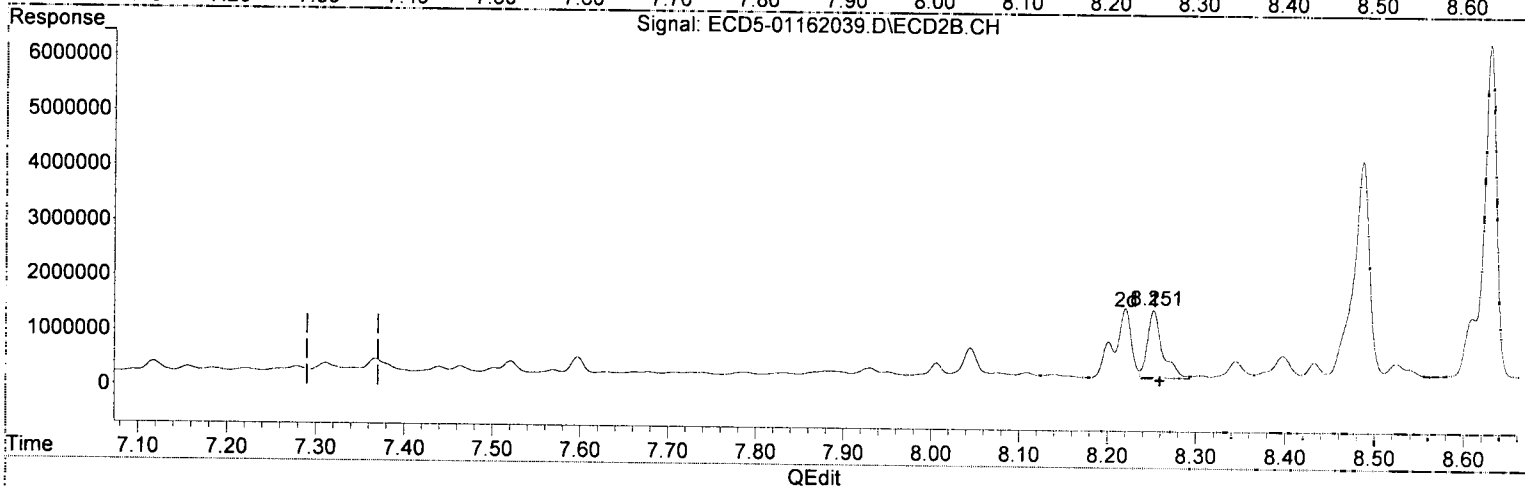
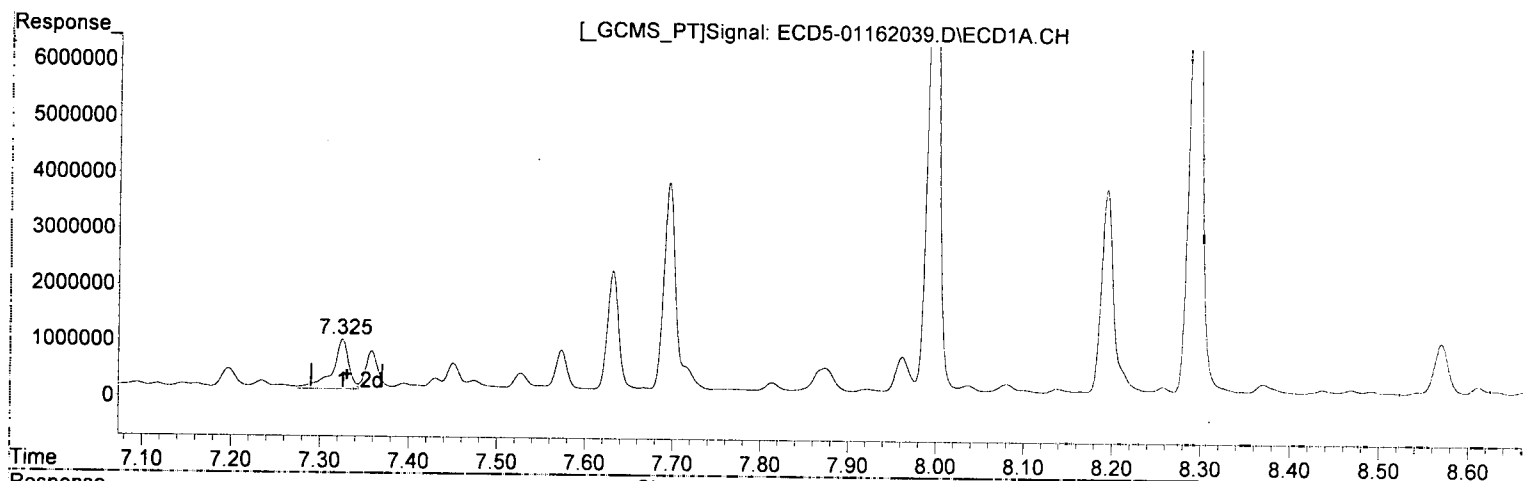
MJB
1/17/20

(17) 4,4'-DDT #2
9.122min 26.057 ng/mL
response 5826390

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB
Sample : A9J0816-34RE105
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.325min 6.183 ng/mL Q-21

response 881625

MJB
1/17/20

(26) 2,4'-DDE #2

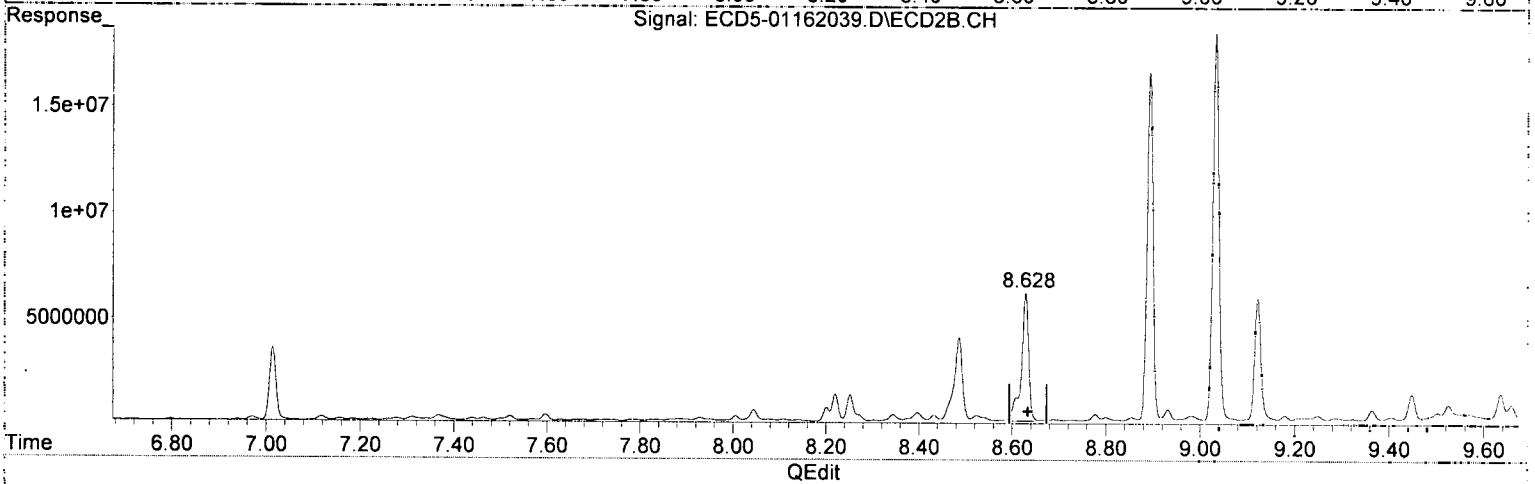
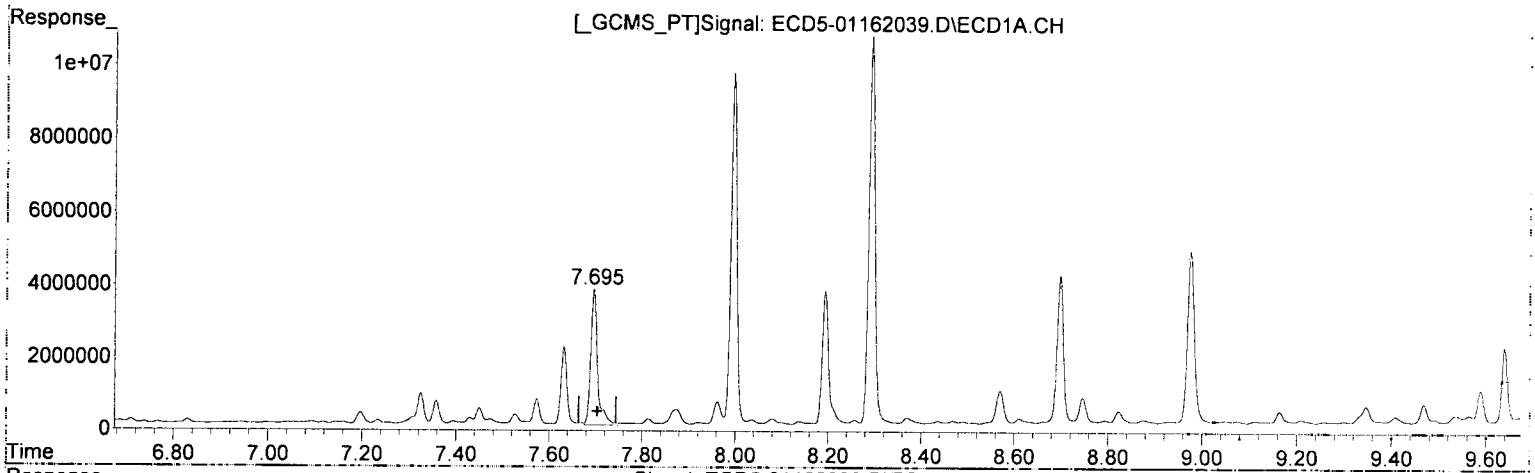
8.252min 5.909 ng/mL

response 1244457

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB
Sample : A9J0816-34RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.696min 29.505 ng/mL *Q-31*
response 3754066

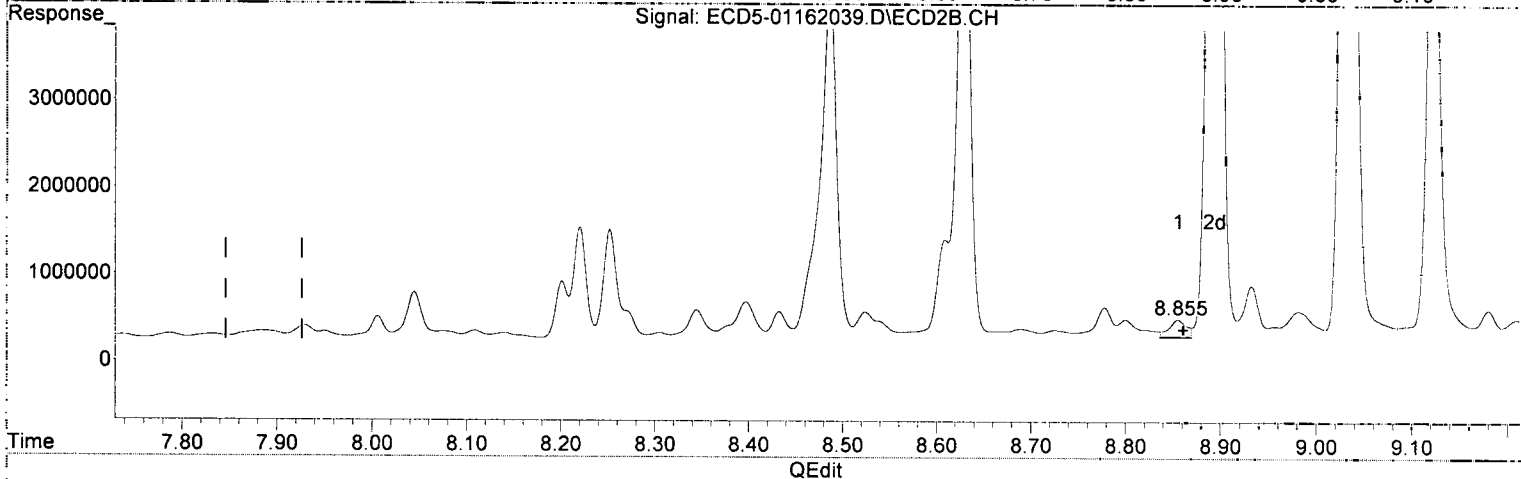
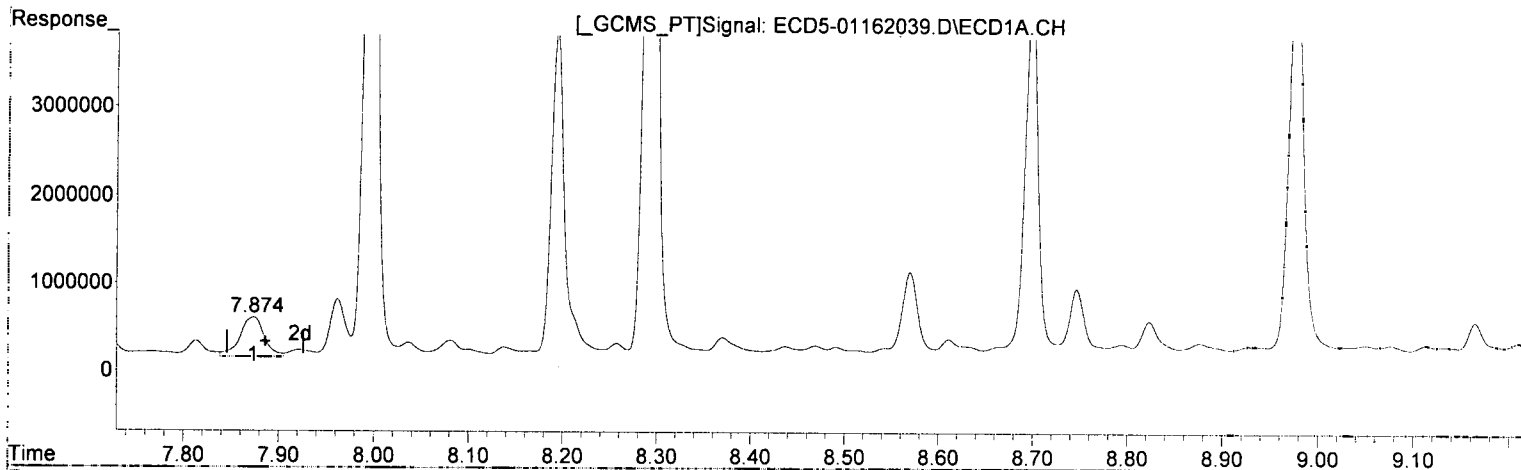
MJB 1/17/20

(28) 2,4'-DDD #2
8.629min 32.992 ng/mL
response 6085039

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB *u1*
Sample : A9J0816-34RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



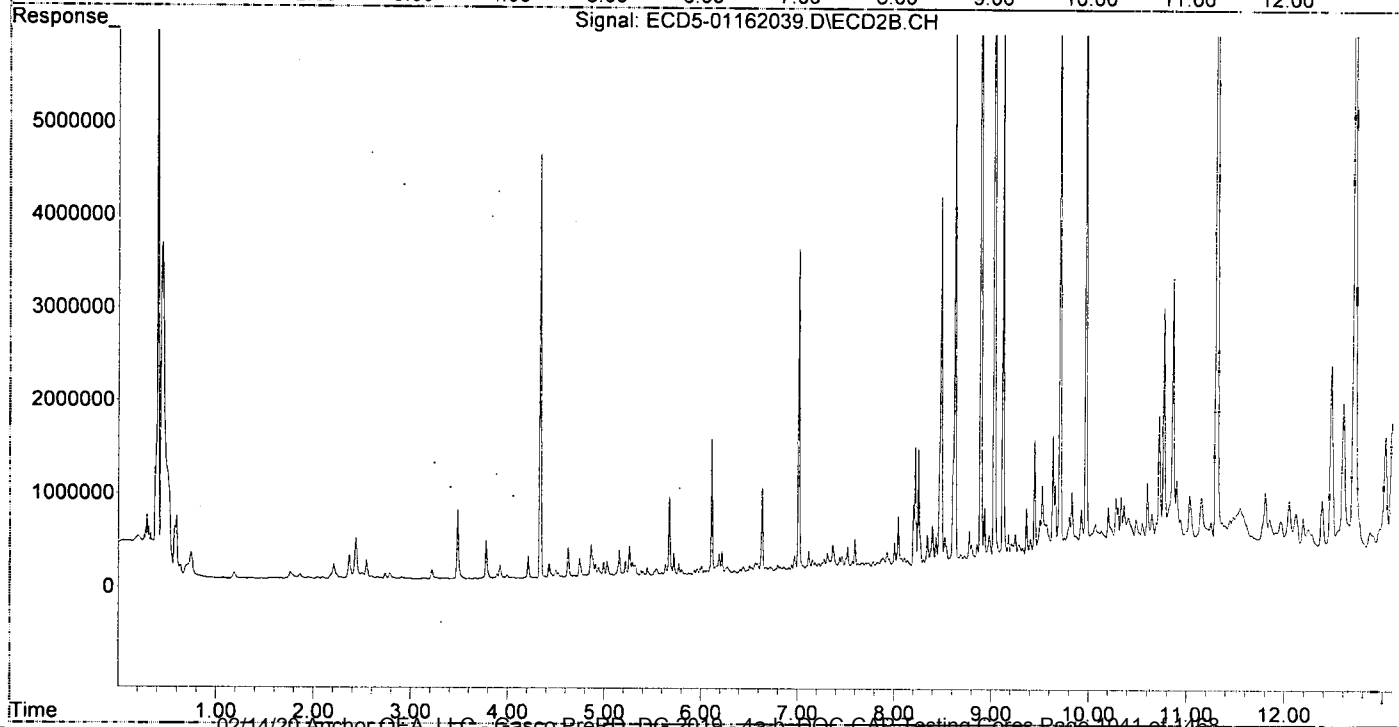
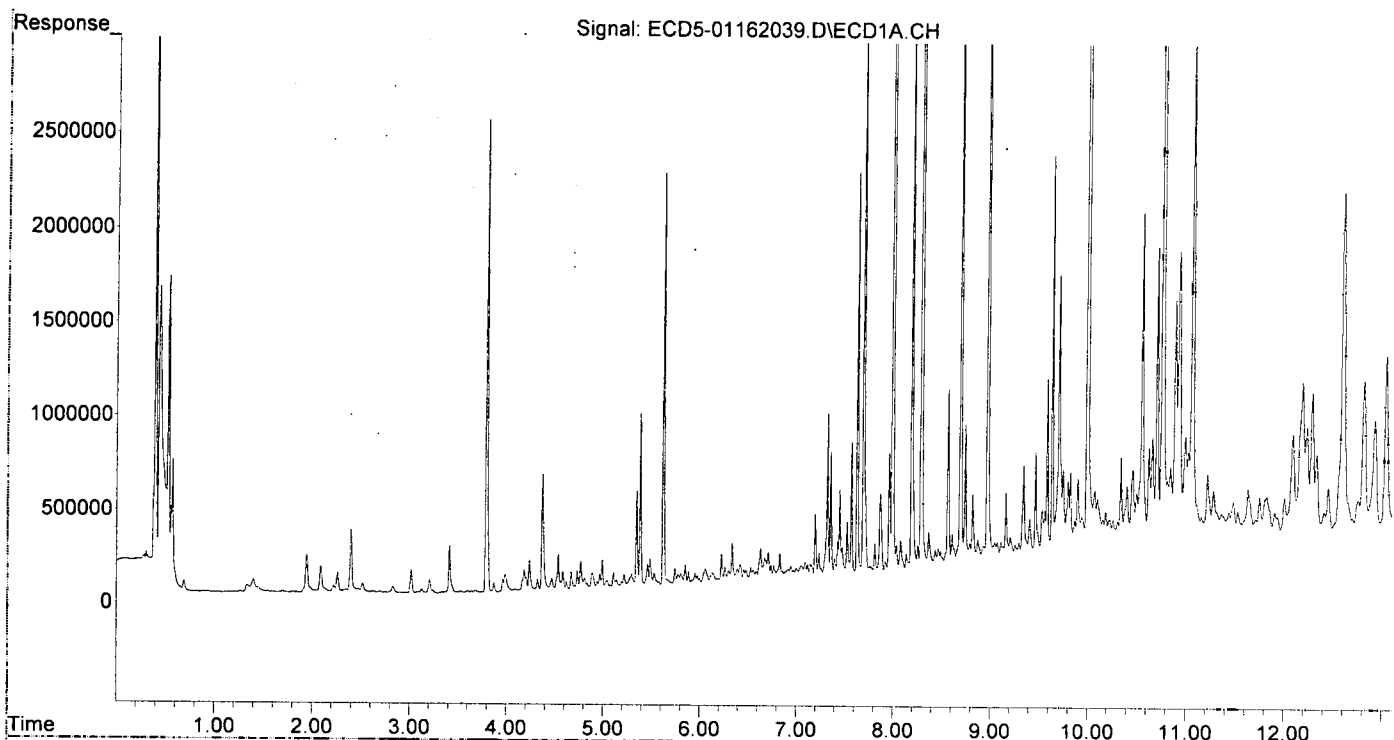
(29) 2,4'-DDT
7.873min 3.045 ng/mL
response 446007

MJB 1/17/20

(29) 2,4'-DDT #2
8.855min 0.988 ng/mL
response 201259

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 22:31
Operator : MJB
Sample : A9J0816-34RE1@5 *MJB 1/17/20*
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 23:09
 Operator : MJB
 Sample : A9J0816-36RE102 *WB 1/17/20*
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:54:09 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

WB 1/17/20

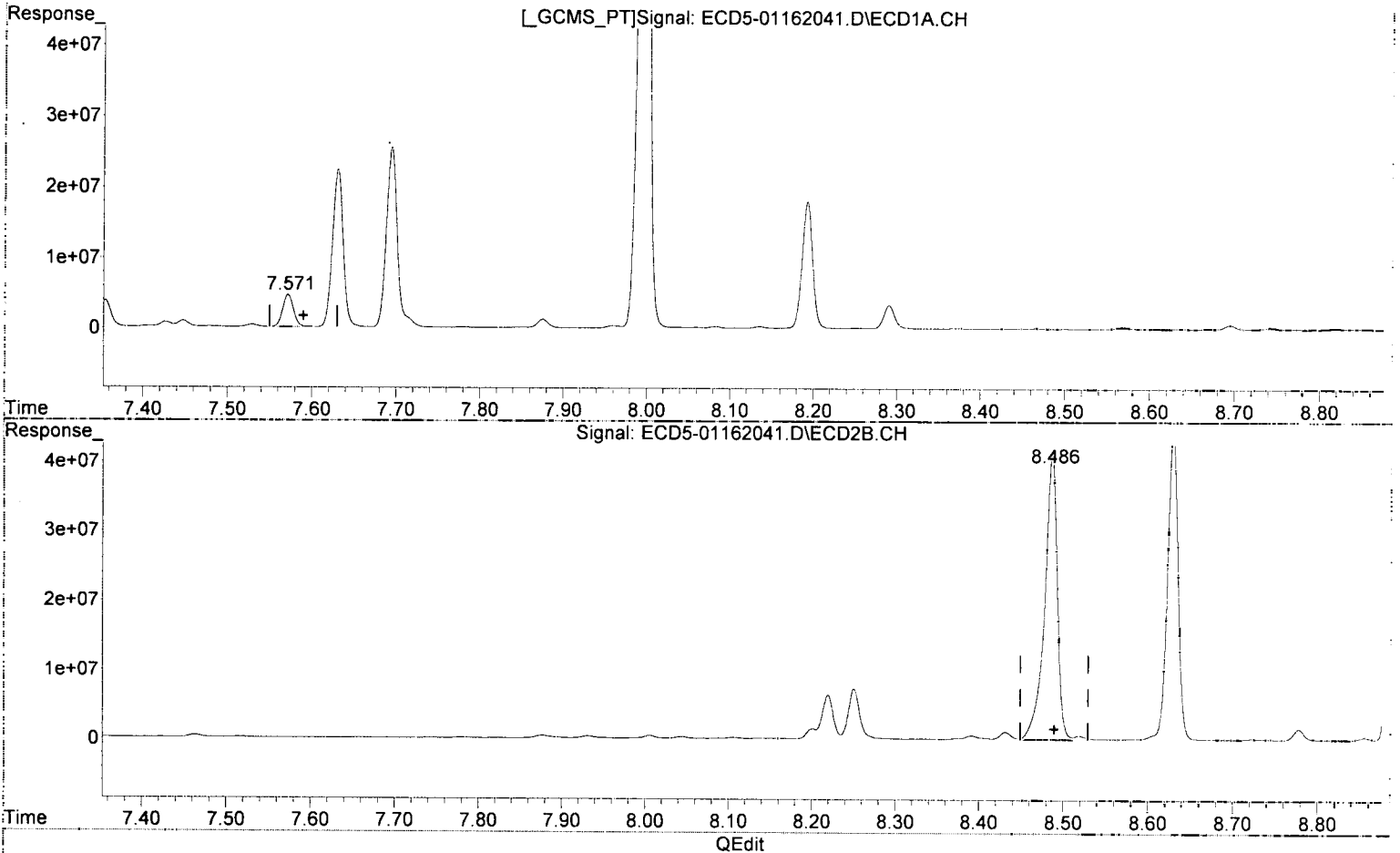
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.112	3531012	5975494	18.084	20.046
22) S DCBP (S)	9.588	10.720	4162395	5683627	27.762	31.940
Target Compounds						
2) a-BHC	5.917	6.724	37840	37729	0.144	0.091
3) g-BHC	6.208	7.013f	38450	6518909	0.165	17.855 #
4) b-BHC	6.293	7.120	98797	151894	0.840	0.944
5) Heptachlor	6.613	7.422	238954	40619	1.052	0.115 #
6) d-BHC	6.454	7.379	49760	37256	0.228	0.169
7) Aldrin	0.000	7.724f	0	27981	N.D.	0.084 #
8) Heptachlo...	7.323	8.139	4469456	104275	21.680	0.339 #
9) trans-Chl...	7.428	8.251f	701494	7270029	3.329	23.314 #
10) cis-Chlor...	7.529	8.391	341174	549846	1.667	1.854
11) Endosulfa...	7.630	8.431	22477576	1085333	115.981	3.906 #
12) 4,4'-DDE	7.572	8.486	4565597	41325167	22.143	123.230 # <i>P-1</i>
13) Dieldrin	7.780	8.629	73366	44067474	0.341	142.646 #
14) Endrin	7.931f	8.855	22926	423744	0.133	1.803 #
15) 4,4'-DDD	7.996	8.896	108.7E6	195.1E6	629.648	793.574 <i>RR-2</i>
16) Endosulfa...	8.135	9.032	241857	5362075	1.418	21.949 #
17) 4,4'-DDT	8.193	9.122	17873550	30412302	107.892	116.854
18) Endrin Al...	8.425	9.250	58287	109091	0.381	0.488
19) Endosulfa...	8.695	9.447	622074	458344	3.887	2.068 #
20) Methoxychlor	8.568	9.633	247475	428332	2.857	3.602
21) Endrin Ke...	0.000	9.868	0	281677	N.D.	1.125 #
23) Hexachlor...	3.206	3.776f	134244	1329205	0.673	3.317 #
24) Hexachlor...	5.769	6.587	59872	165256	0.155	0.516 #
25) Oxychlordane	7.254	8.070	89348	55922	0.309	0.200
26) 2,4'-DDE	7.323	8.251	4469456	7270029	31.344 <i>RR-1</i>	34.522
27) trans-Non...	7.529f	8.327	341174	73856	1.564	0.240 #
28) 2,4'-DDD	7.694	8.629	25563625	44067474	200.918	238.926 <i>RR-2</i>
29) 2,4'-DDT	7.876	8.855	1196908	423744	8.171	2.191 # <i>RR-2</i>
30) cis-Nonac...	7.996	8.896	108.7E6	195.1E6	461.236	571.806
31) Mirex	8.636	9.831	119299	386488	0.638	1.966 #
32) Chlordane...	7.428	8.251f	701494	7270029	29.900	186.905 #
33) Chlordane...	7.529	8.391	341174	549846	11.838	17.130 #
34) Chlordane...	8.082	9.069	230874	167396	30.348	15.766 #
35) Chlordane...	3.792f	3.776f	5445748	1329205	NoCal	NoCal
36) Toxaphene...	7.529	8.629	341174	44067474	323.934	16295.291 #
37) Toxaphene...	7.811	8.979	27672	409378	14.230	117.551 #
38) Toxaphene...	8.135	9.000	241857	183207	53.680	31.768 #
39) Toxaphene...	8.372	9.069	75390	167396	18.661	18.547
40) Toxaphene...	8.568	9.250	247475	109091	75.271	21.723 #
41) Toxaphene...	8.636	9.633	119299	428332	27.473	76.295 #
42) Toxaphene...	3.792	3.776f	5445748	1329205	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB 61
Sample : A9J0816-36RE1@2 1/17/20
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.572min 22.143 ng/mL
response 4565597

9.11

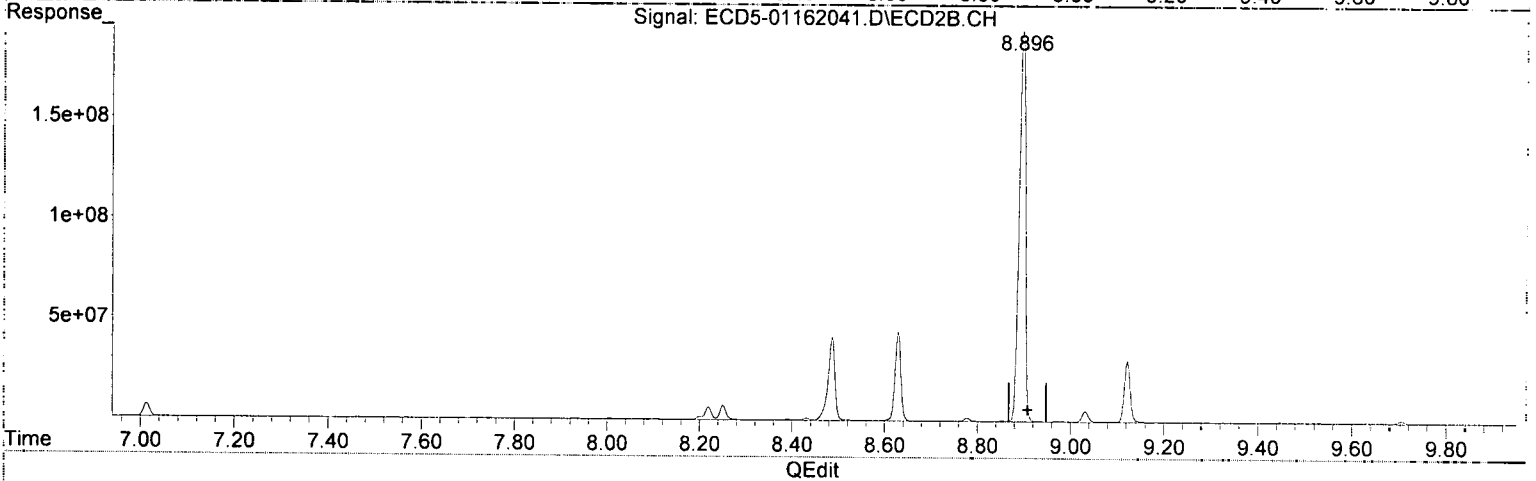
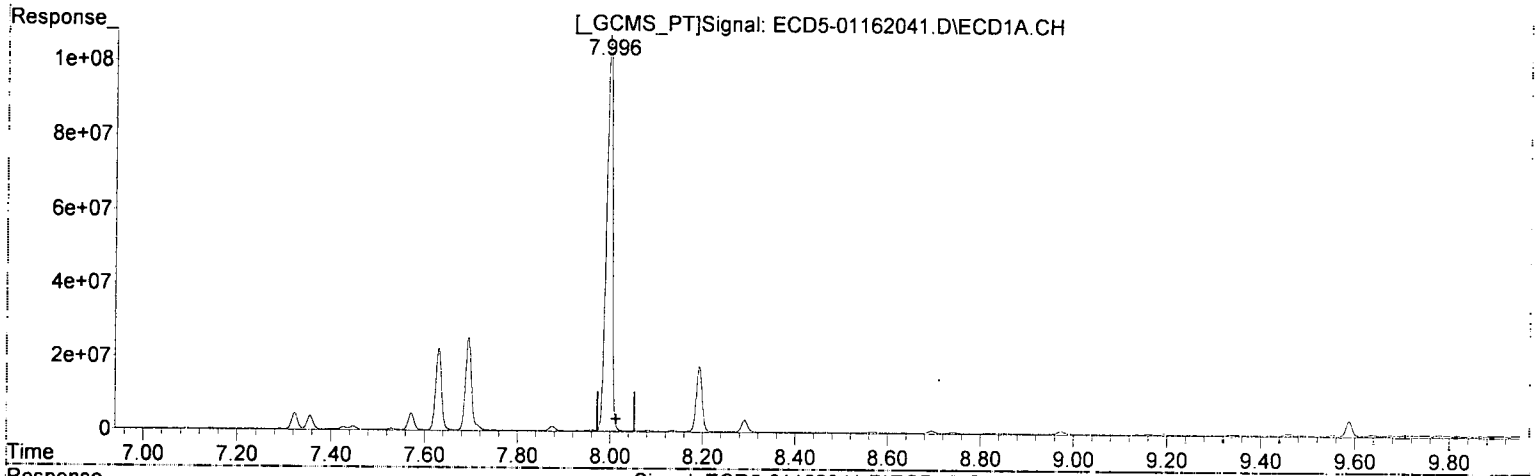
MJB 1/17/20

(12) 4,4'-DDE #2
8.486min 123.230 ng/mL
response 41325167

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB
Sample : A9J0816-36RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
7.996min 629.648 ng/mL
response 108711057

PR-2

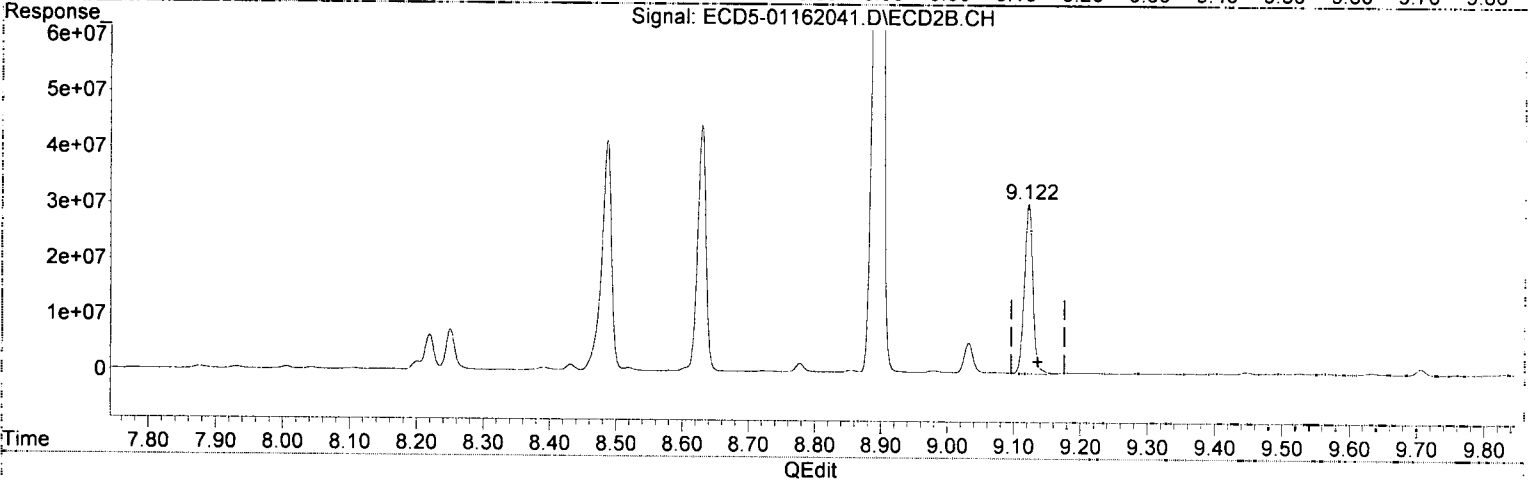
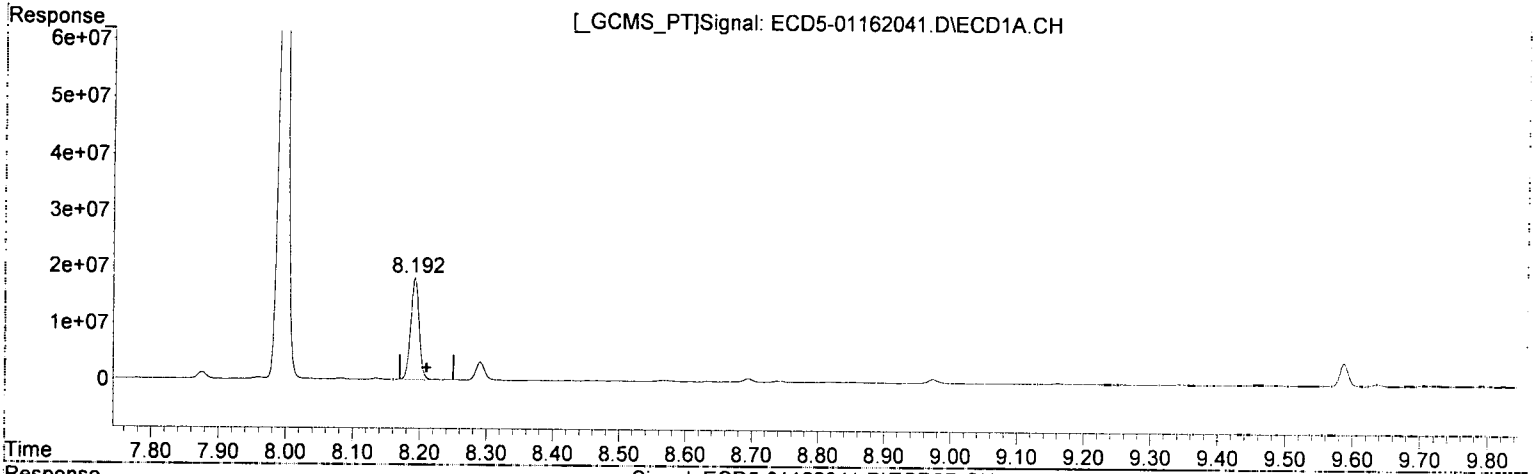
MJB 1/17/20

(15) 4,4'-DDD #2
8.896min 793.574 ng/mL
response 195065707

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB
Sample : A9J0816-36RE102
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.193min 107.892 ng/mL
response 17873550

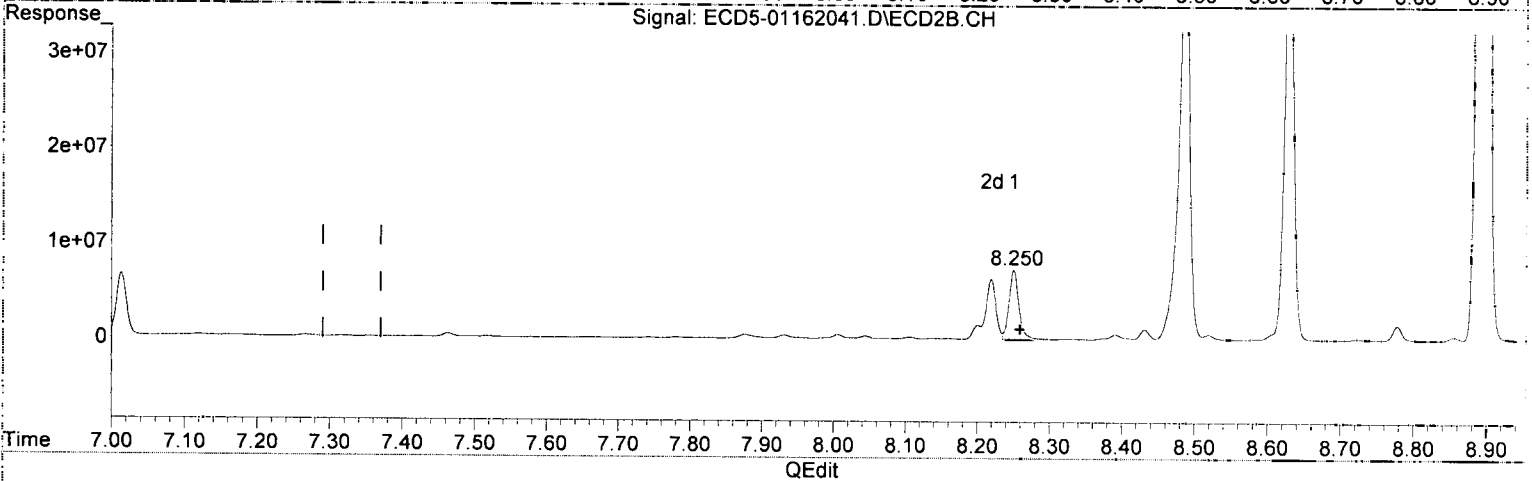
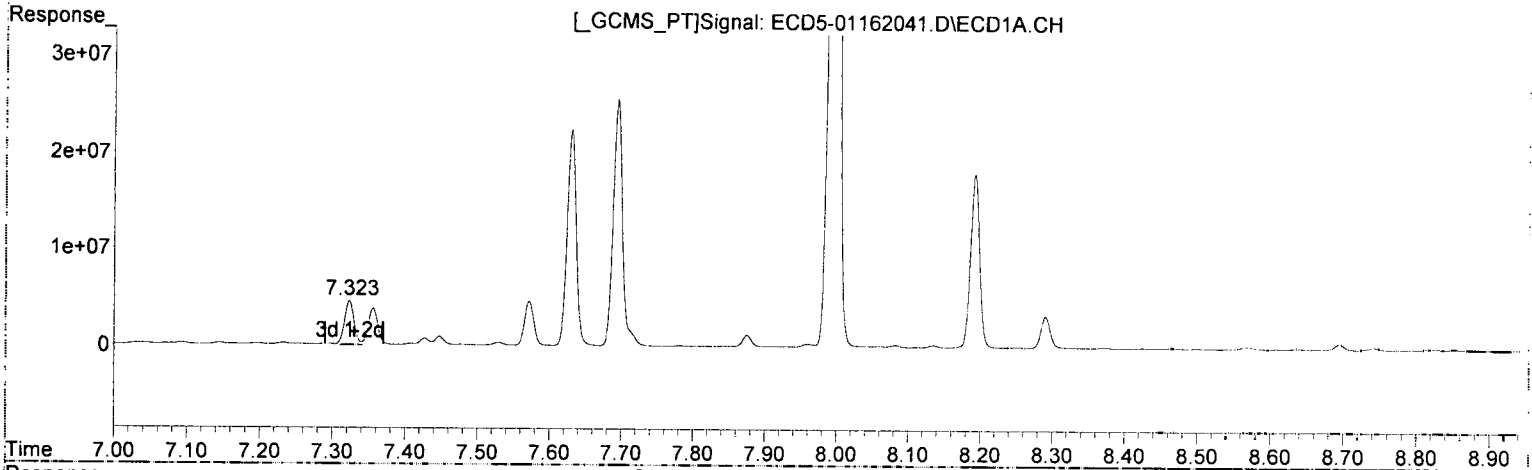
MJB
1/17/20

(17) 4,4'-DDT #2
9.122min 116.854 ng/mL
response 30412302

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB
Sample : A9J0816-36RE102
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.323min 31.344 ng/mL Q-31
response 4469456

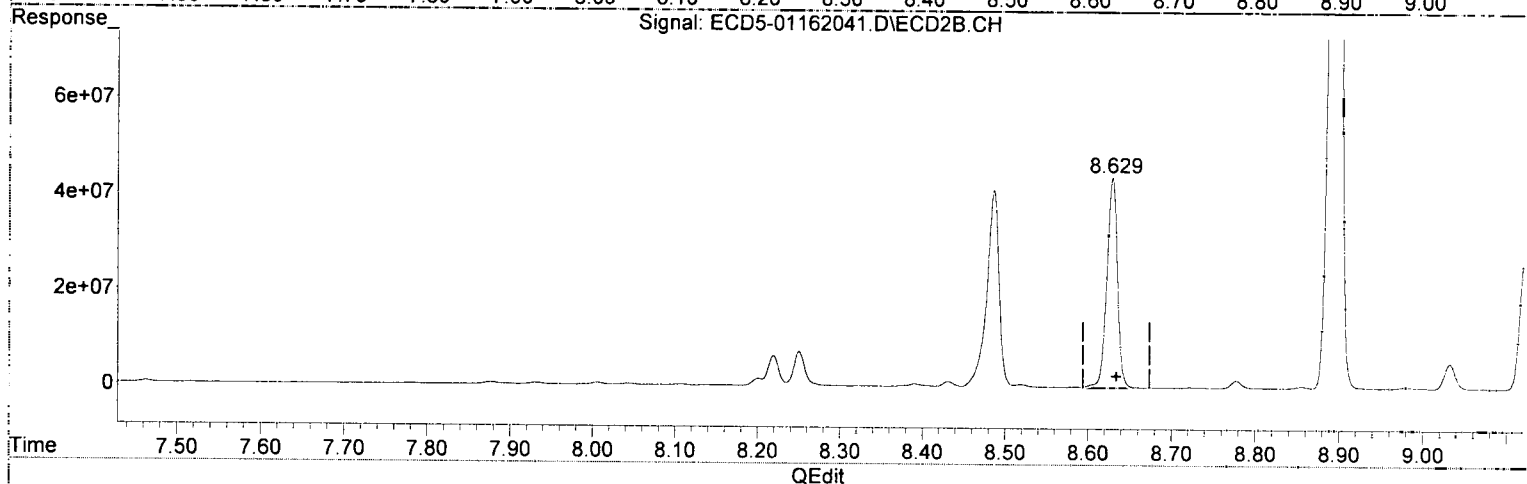
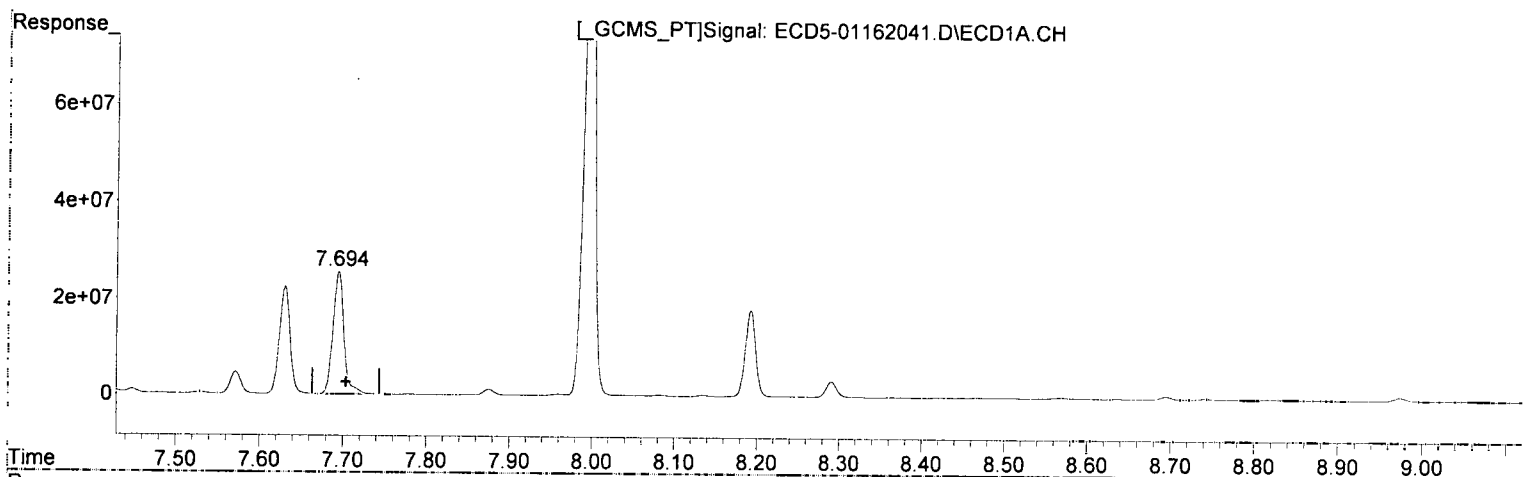
MJB 1/17/20

(26) 2,4'-DDE #2
8.251min 34.522 ng/mL
response 7270029

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB *61*
Sample : A9J0816-36RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.694min 200.918 ng/mL

response 25563625

FR-2

MJB 1/17/20

(28) 2,4'-DDD #2

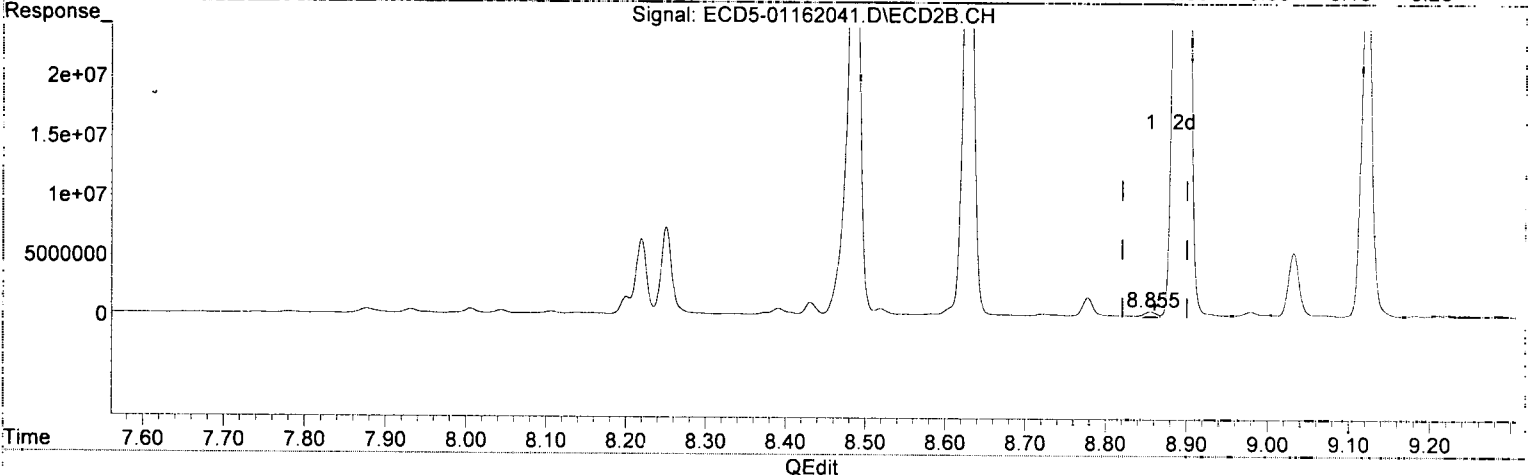
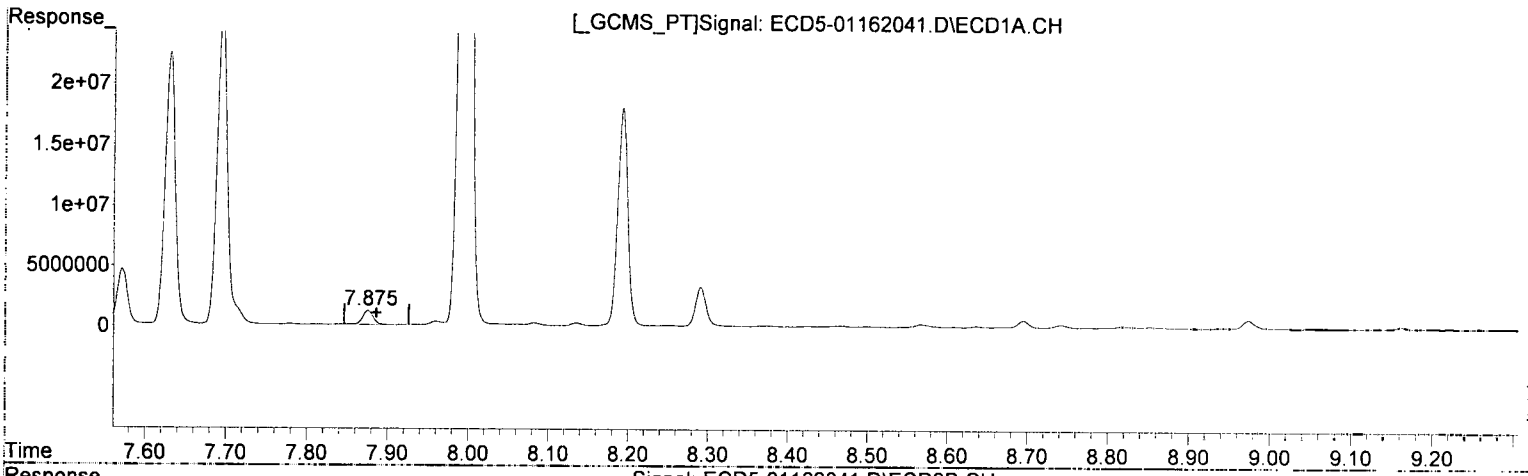
8.629min 238.926 ng/mL

response 44067474

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB *vl*
Sample : A9J0816-36RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



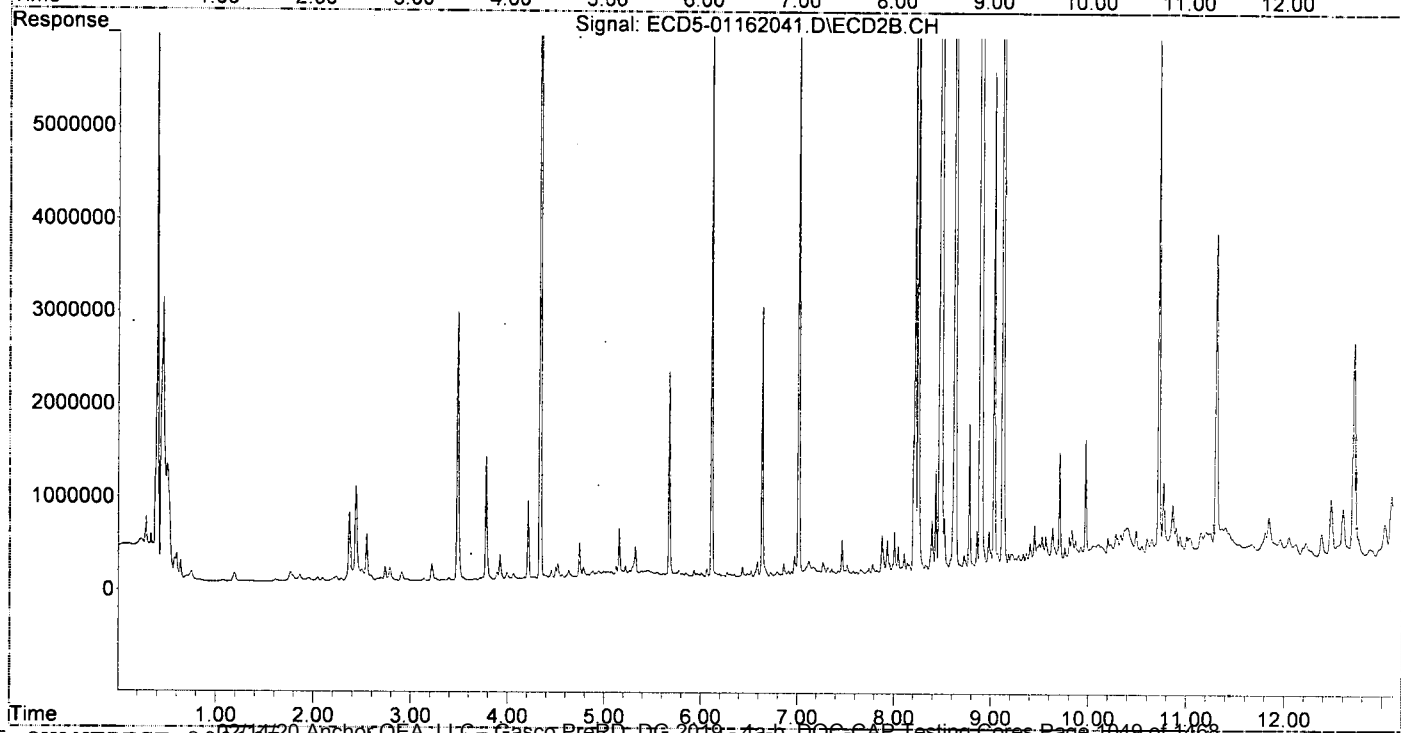
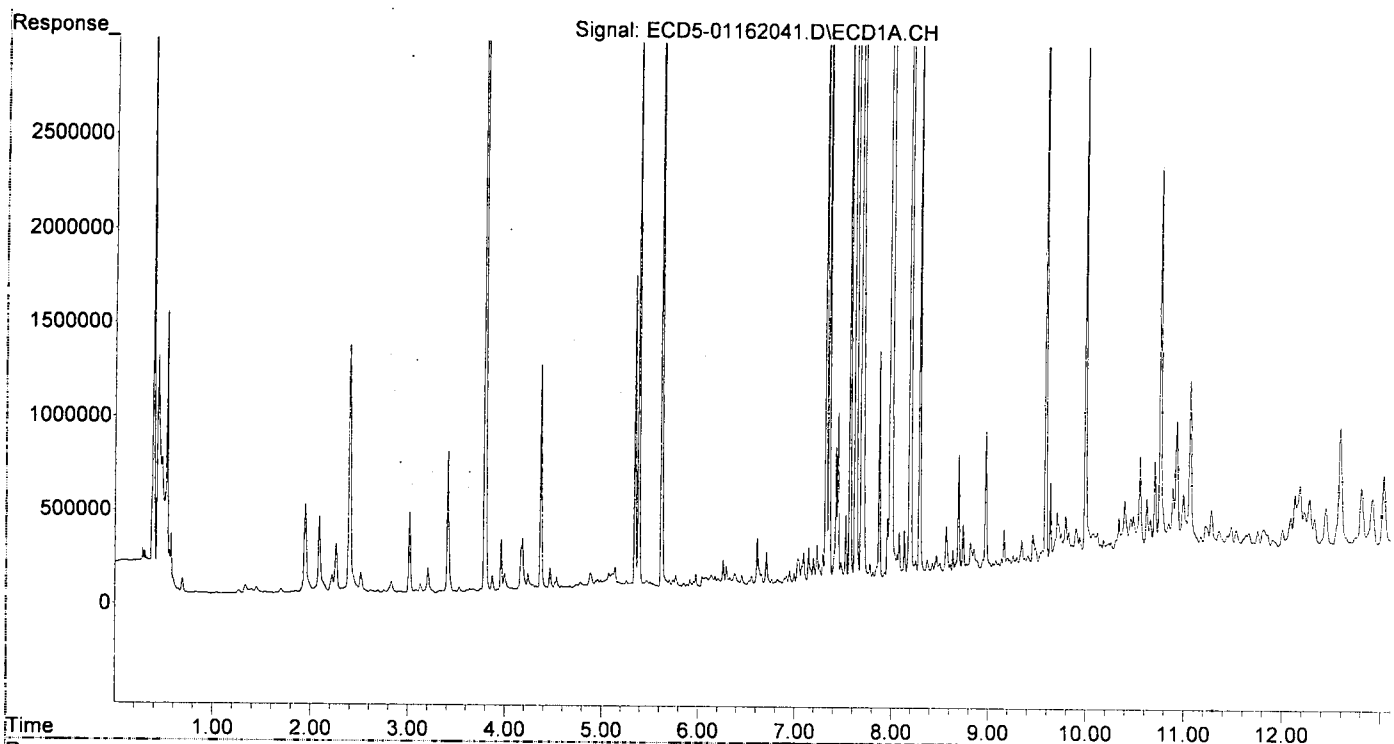
(29) 2,4'-DDT
7.876min 8.171 ng/mL
response 1196908

MJB 1/17/20

(29) 2,4'-DDT #2
8.855min 2.191 ng/mL *2.02*
response 423744

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:09
Operator : MJB
Sample : A9J0816-36RE1@2 *MJB 1/17/20*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 16 Jan 2020 23:46
 Operator : MJB *61 e*
 Sample : A9J0816-37E1*11/17/20*
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:54:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

NR
Exceeds 12 hr run time
MJB 1/17/20

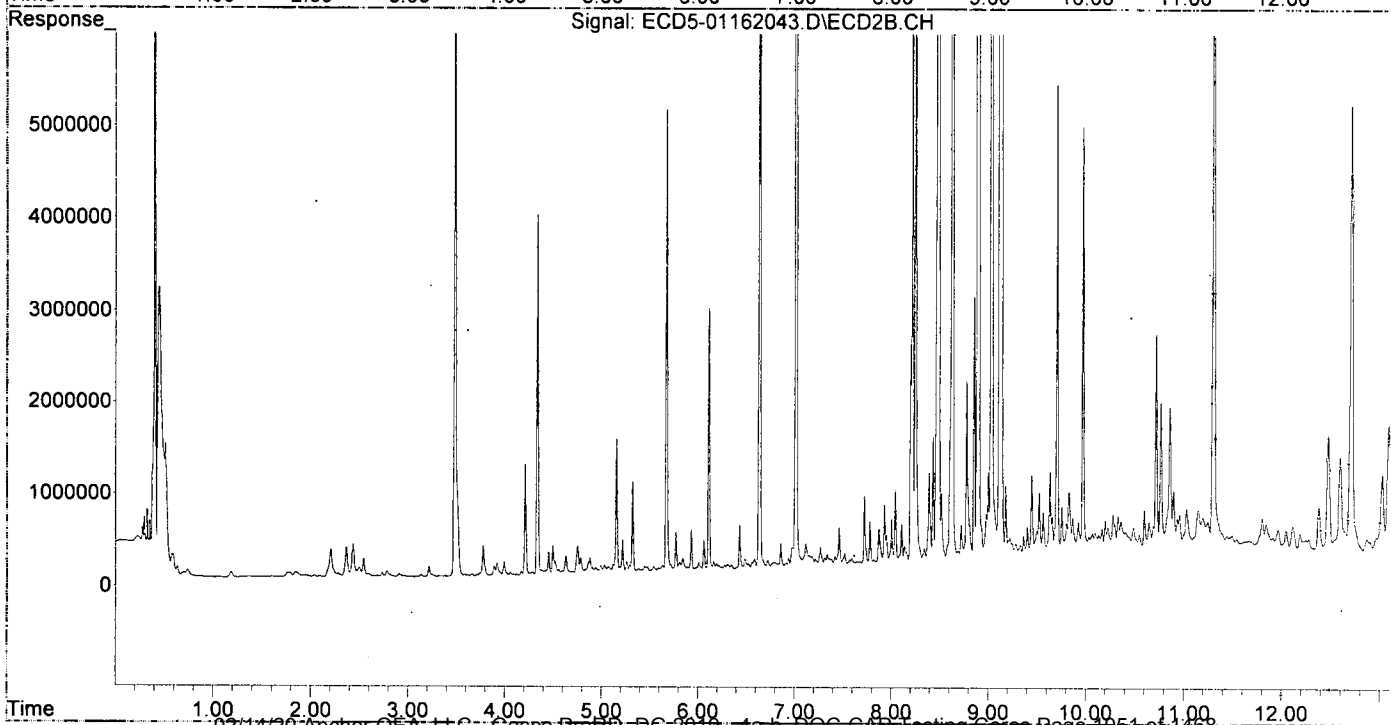
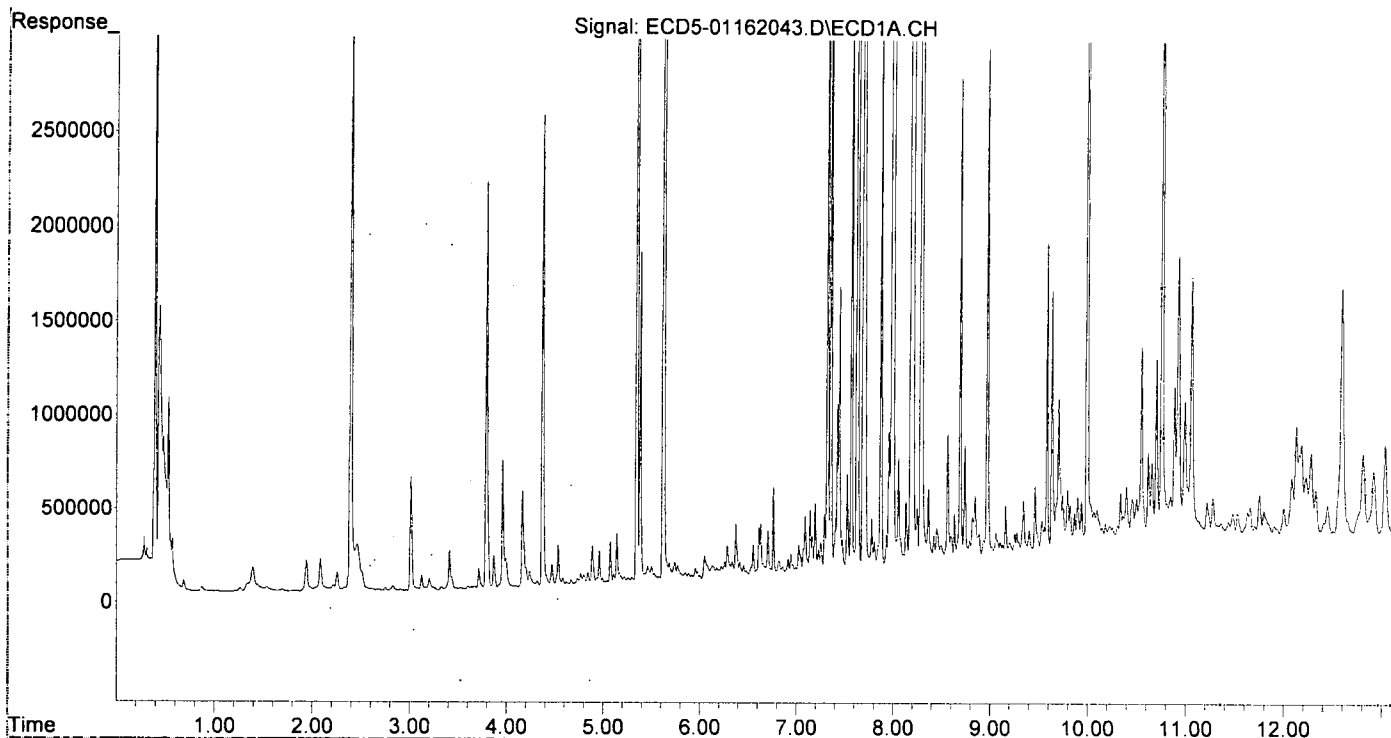
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.112	1751657	2831500	8.971	9.499
22) S DCBP (S)	9.588	10.720	1662836	2389287	10.974	13.427
Target Compounds						
2) a-BHC	5.916	6.721	21224	78036	0.081	0.189 #
3) g-BHC	6.224	7.014f	58442	23228606	0.250	63.623 #
4) b-BHC	6.288	7.116	165725	247676	1.523	1.540
5) Heptachlor	6.632	7.419	270785	101025	1.192	0.285 #
6) d-BHC	6.455	7.380	53829	72793	0.247	0.274
7) Aldrin	6.861	7.724f	31431	736365	0.142	2.211 #
8) Heptachlo...	7.324	8.139	4384448	192663	21.268	0.625 #
9) trans-Chl...	7.448f	8.251f	1504610	8186085	7.140	26.252 #
10) cis-Chlor...	7.529	8.392	500003	967501	2.443	3.261
11) Endosulfa...	7.631	8.432	16511237	1358922	85.196	4.890 #
12) 4,4'-DDE	7.572	8.486	3861274	29976901	18.727	92.471 #
13) Dieldrin	7.782	8.629	255701	44980380	1.187	145.601 #
14) Endrin	7.960	8.855	717302	2859260	4.146	12.169 #
15) 4,4'-DDD	7.996	8.896	77168623	142.6E6	446.956	579.953
16) Endosulfa...	8.111	9.033	57455	56755399	0.337	232.320 #
17) 4,4'-DDT	8.197	9.133	202.4E6	202.5E6	1221.912	492.395 #
18) Endrin Al...	8.425	9.247	143789	183904	0.939	0.822
19) Endosulfa...	8.696	9.448	2556458	913997	15.974	4.123 #
20) Methoxychlor	8.567	9.635f	685699	942906	7.917	7.928
21) Endrin Ke...	8.890	9.868	137546	436069	0.720	1.741 #
23) Hexachlor...	3.205	3.776f	64853	330328	0.325	0.824 #
24) Hexachlor...	5.771	6.585	76716	96165	0.243	0.300
25) Oxychlordane	7.255	8.043	150276	793082	0.658	2.836 #
26) 2,4'-DDE	7.324	8.251	4384448	8186085	30.748	38.872
27) trans-Non...	7.529	8.342	500003	156621	2.365	0.509 #
28) 2,4'-DDD	7.695	8.629	26081389	44980380	204.988	243.876
29) 2,4'-DDT	7.877	8.855	2923998	2859260	19.962	15.023
30) cis-Nonac...	7.996	8.896	77168623	142.6E6	327.409	417.883
31) Mirex	8.637	9.830	250499	718659	1.611	3.879 #
32) Chlordane...	7.448	8.251f	1504610	8186085	64.131	210.456 #
33) Chlordane...	7.529	8.392	500003	967501	17.349	30.142 #
34) Chlordane...	8.060	9.033f	561919	56755399	73.863	5345.341 #
35) Chlordane...	3.792f	3.776f	2163310	330328	NoCal	NoCal
36) Toxaphene...	7.529	8.629	500003	44980380	474.737	16632.866 #
37) Toxaphene...	7.811	8.982	131990	511011	67.873	146.735 #
38) Toxaphene...	8.111	9.002	57455	963955	9.588	181.690 #
39) Toxaphene...	8.368	9.033f	392718	56755399	97.207	6288.217 #
40) Toxaphene...	8.599	9.247	134008	183904	40.759	36.620
41) Toxaphene...	8.637	9.635	250499	942906	57.687	167.951 #
42) Toxaphene...	3.792	3.776f	2163310	330328	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 16 Jan 2020 23:46
Operator : MJB *u1 f MJB V17/20*
Sample : A9J0816-37E1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 0:24
 Operator : MJB *U1*
 Sample : A9J0816-38RE162 *MJB 1/17/20*
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 17 10:54:23 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MR
Exceeds 12hr run time

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.112	4315906	7434461	22.103	24.941
22) S DCBP (S)	9.588	10.720	4278284	6177286	28.542	34.714
Target Compounds						
2) a-BHC	5.916	6.723	47234	56126	0.179	0.136
3) g-BHC	6.221	7.013f	40869	14495853	0.175	39.704 #
4) b-BHC	6.291	7.119	110452	231043	0.959	1.436 #
5) Heptachlor	6.633	7.422	242273	62225	1.066	0.176 #
6) d-BHC	6.452	7.377	36582	114257	0.168	0.398 #
7) Aldrin	6.862	7.723f	172958	466840	0.784	1.402 #
8) Heptachlo...	7.361f	8.139	74827	40663	0.363	0.132 #
9) trans-Chl...	7.452f	8.268	151396	181549	0.718	0.582
10) cis-Chlor...	7.526	8.395	160765	189844	0.786	0.640
11) Endosulfa...	7.628	8.432	155269	61590	0.801	0.222 #
12) 4,4'-DDE	7.572	8.489	130221	386997	0.632	1.362 #
13) Dieldrin	7.780	8.655	84626	76593	0.393	0.248
14) Endrin	7.959	8.857	1105203	169245	6.388	0.720 #
15) 4,4'-DDD	7.993	8.891	401964	534998	2.328	2.177
16) Endosulfa...	8.139f	9.031	42878	1072831	0.251	4.391 #
17) 4,4'-DDT	8.210	9.129	157983	422257	0.954	2.001 #
18) Endrin Al...	8.423	9.246	120062	104642	0.784	0.468 #
19) Endosulfa...	8.696	9.447	4465750	866349	27.905	3.908 #
20) Methoxychlor	8.566	9.633	851197	931899	9.828	7.836
21) Endrin Ke...	8.877f	9.829f	134776	544019	0.706	2.172 #
23) Hexachlor...	3.205	3.775f	130056	1659503	0.652	4.141 #
24) Hexachlor...	5.772	6.588	71179	166164	0.214	0.519 #
25) Oxychlorane	7.232f	8.042	245538	504890	1.205	1.805 #
26) 2,4'-DDE	7.361f	8.268	74827	181549	0.525	0.862 #
27) trans-Non...	7.526	8.327	160765	108361	0.654	0.352 #
28) 2,4'-DDD	7.695	8.655f	154846	76593	1.217	0.415 #
29) 2,4'-DDT	7.864f	8.857	140903	169245	0.962	0.815
30) cis-Nonac...	7.993	8.891	401964	534998	1.705	1.568
31) Mirex	8.637	9.829	177921	544019	1.073	2.874 #
32) Chlordane...	7.452	8.268	151396	181549	6.453	4.667
33) Chlordane...	7.526	8.395	160765	189844	5.578	5.915
34) Chlordane...	8.082	9.062	264413	120520	34.756	11.351 #
35) Chlordane...	3.792f	3.775f	5746292	1659503	NoCal	NoCal
36) Toxaphene...	7.526	8.606	160765	1977098	152.641	731.092 #
37) Toxaphene...	7.811	8.978	204961	379195	105.396	108.884
38) Toxaphene...	8.139f	9.031f	42878	1072831	6.100	202.304 #
39) Toxaphene...	8.376	9.062	104259	120520	25.807	13.353 #
40) Toxaphene...	8.566	9.246	851197	104642	258.897	20.837 #
41) Toxaphene...	8.637	9.633	177921	931899	40.973	165.991 #
42) Toxaphene...	3.792	3.775f	5746292	1659503	NoCal	NoCal

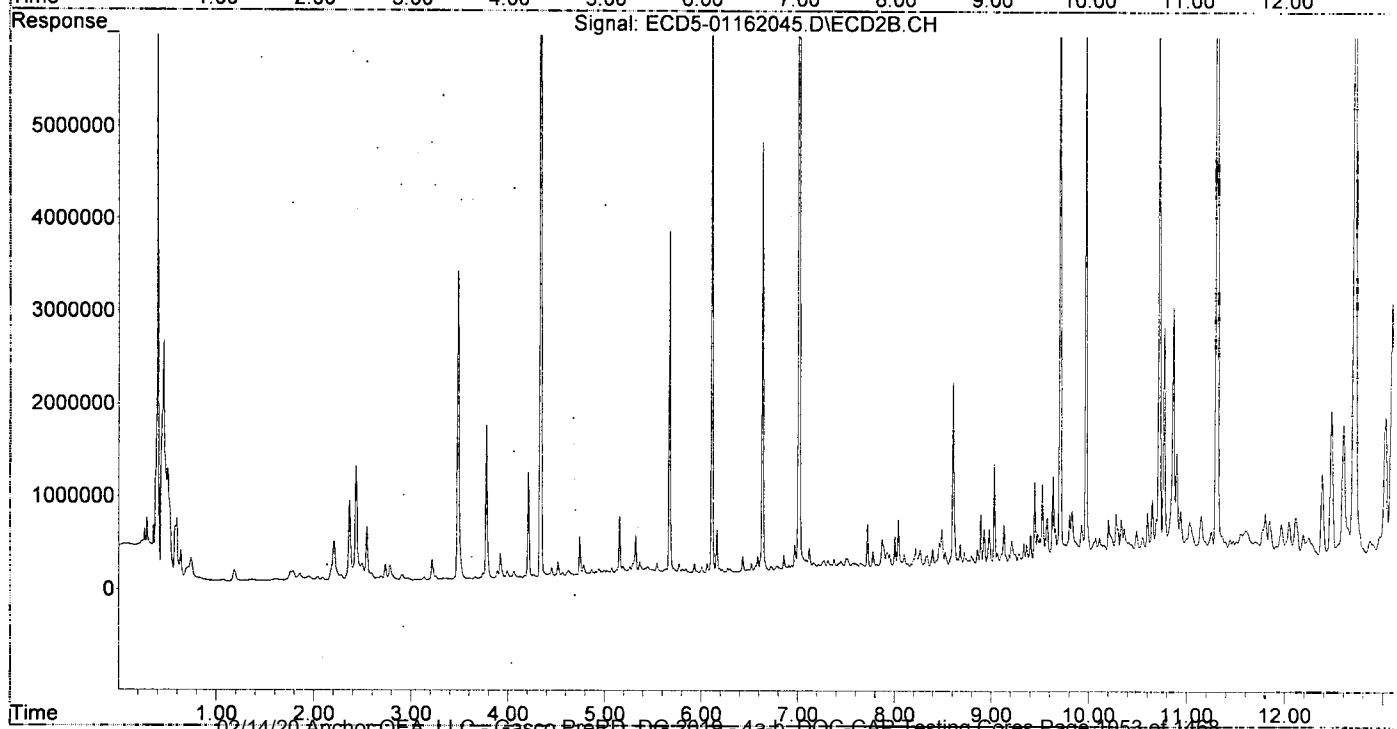
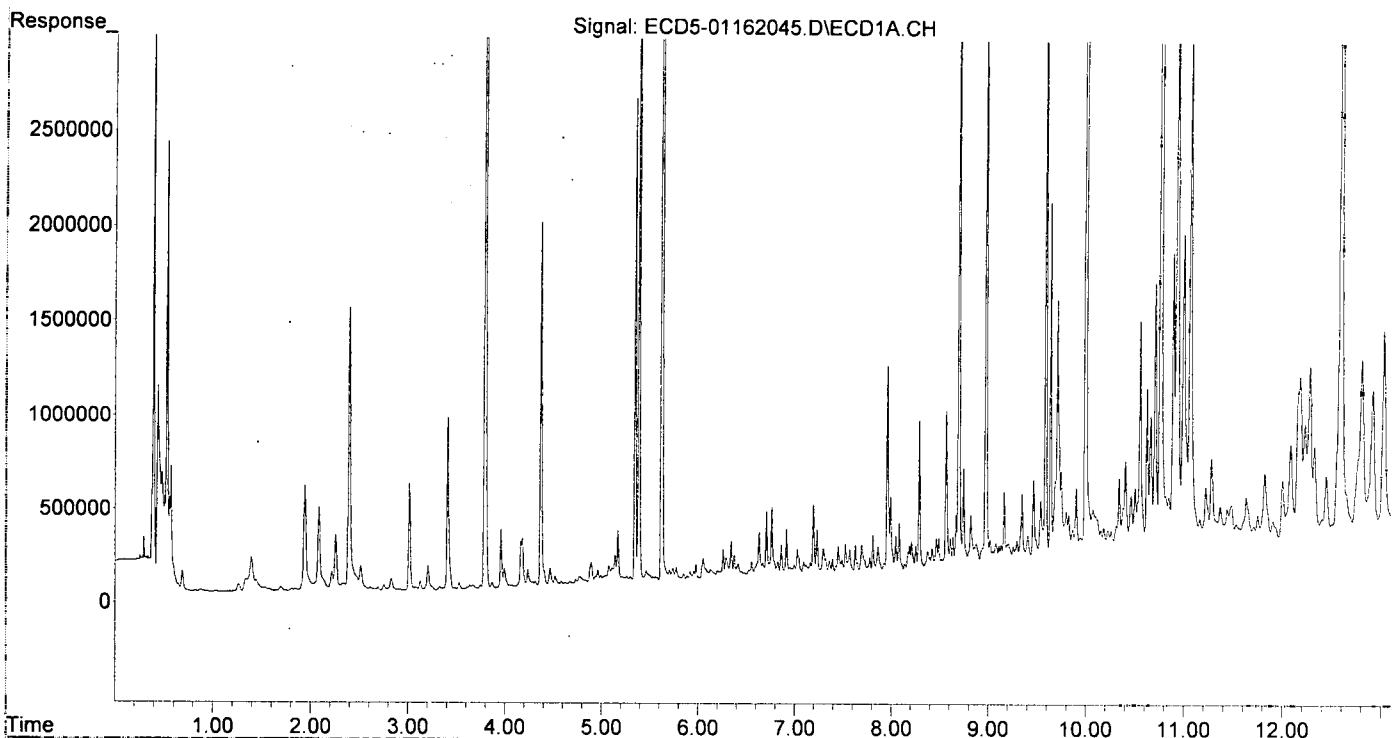
MR
1/17/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 0:24
Operator : MJB *61*
Sample : A9J0816-38RE1@2 *MJB V17120*
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 17 10:54:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 1:02
 Operator : MJB
 Sample : 0A16028-CCV5
 Misc : A19K133, 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: Jan 17 10:54:30 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

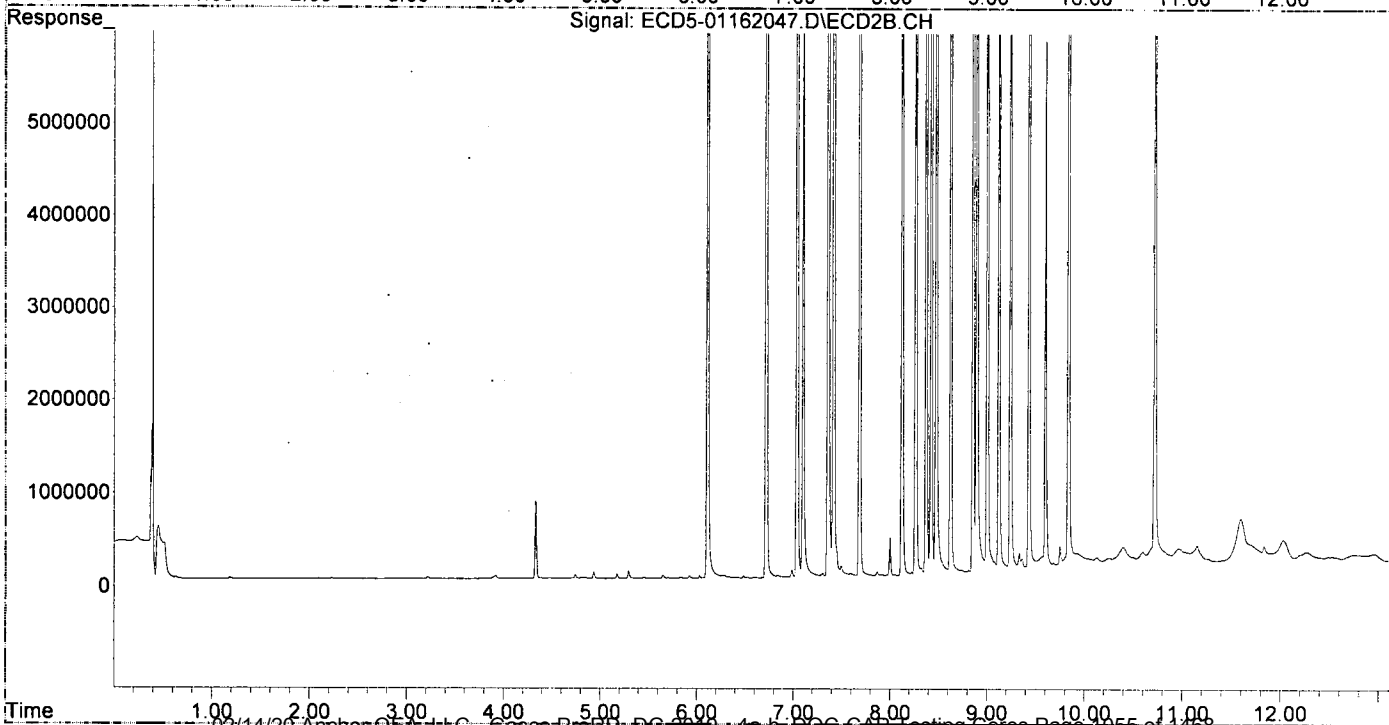
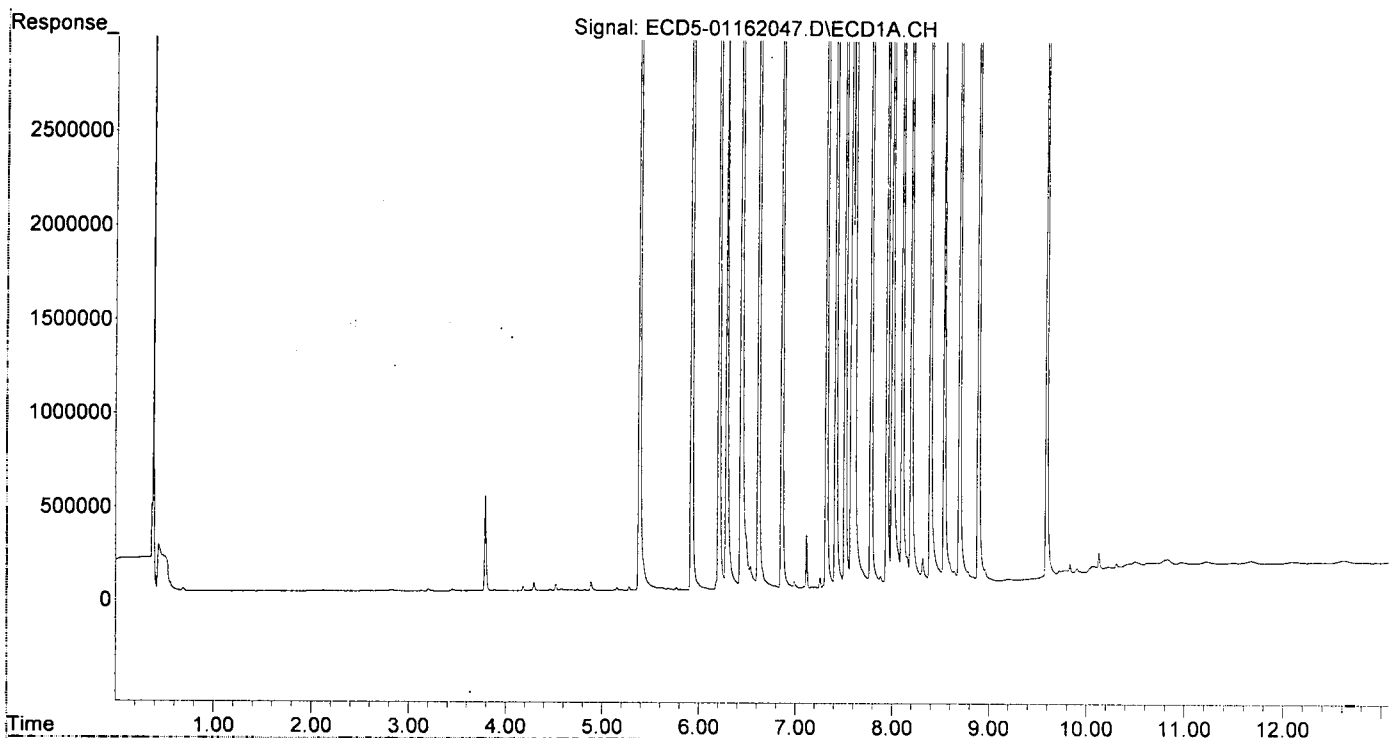
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.112	8940552	14478639	45.788	48.572
22) S DCBP (S)	9.592	10.721	7190725	9138235	48.196	51.354
Target Compounds						
2) a-BHC	5.925	6.719	13427910	23374201	51.025	56.603
3) g-BHC	6.209	7.039	11573733	19812302	49.566	54.266
4) b-BHC	6.288	7.102	3634121	7352122	37.135	45.706
5) Heptachlor	6.619	7.418	11597211	20005249	51.036	56.434
6) d-BHC	6.438	7.360	8534922	17538594	39.179	49.386
7) Aldrin	6.860	7.687	10729537	17722899	48.629	53.213
8) Heptachlo...	7.321	8.125	9961989	16369258	48.323	53.141
9) trans-Chl...	7.417	8.266	9870163	16261958	46.841	52.150
10) cis-Chlor...	7.514	8.374	9865400	15569268	48.212	52.484
11) Endosulfa...	7.611	8.426	9448456	14646498	48.753	52.707
12) 4,4'-DDE	7.580	8.478	8430188	15002132	40.886	48.675
13) Dieldrin	7.783	8.627	10493243	17300920	48.720	56.003
14) Endrin	7.948	8.857	9128735	13901529	52.762	59.164
15) 4,4'-DDD	8.003	8.896	7011231	12663924	40.609	51.520
16) Endosulfa...	8.105	9.004	7903718	12532332	46.324	51.299
17) 4,4'-DDT	8.199	9.123	7127336	11463967	43.023	49.199
18) Endrin Al...	8.396	9.241	6368564	10491517	41.594	46.920
19) Endosulfa...	8.698	9.433	7823585	12604521	48.886	56.862
20) Methoxychlor	8.538	9.602	3275417	5724467	37.819	48.133
21) Endrin Ke...	8.892	9.837	9319472	14568413	48.801	58.173
23) Hexachlor...	3.205	0.000	11459	0	0.057	N.D. #
24) Hexachlor...	5.768	6.599	11126	7435	BelowCal	0.023
25) Oxychlorane	7.256	8.050	55161	6897	0.113	0.025 #
26) 2,4'-DDE	7.321	8.266	9961989	16261958	69.864	77.221
27) trans-Non...	7.514	8.327	9865400	73138	49.392	0.238 #
28) 2,4'-DDD	0.000	8.627	0	17300920	N.D.	93.803 #
29) 2,4'-DDT	7.882	8.857	49718	13901529	0.339	67.104 #
30) cis-Nonac...	8.003f	8.896	7011231	12663924	29.747	37.122
31) Mirex	8.645	9.837	59006	14568413	0.191	77.554 #
32) Chlordane...	7.417	8.266	9870163	16261958	420.694	418.078
33) Chlordane...	7.514	8.374	9865400	15569268	342.302	485.055 #
34) Chlordane...	8.105f	0.000	7903718	0	1038.925	N.D. #
35) Chlordane...	3.791f	0.000	504923	0	NoCal	N.D.
36) Toxaphene...	7.514	8.627	9865400	17300920	9366.877	6397.542
37) Toxaphene...	7.783f	9.004f	10493243	12532332	5395.915	3598.600
38) Toxaphene...	8.105	9.004	7903718	12532332	1842.067	2079.359
39) Toxaphene...	8.396f	0.000	6368564	0	1576.363	N.D. #
40) Toxaphene...	0.000	9.241	0	10491517	N.D.	2089.131 #
41) Toxaphene...	8.645	9.602f	59006	5724467	13.589	1019.647 #
42) Toxaphene...	3.791	0.000	504923	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 1:02
Operator : MJB
Sample : 0A16028-CCV5
Misc : A19K133, 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: Jan 17 10:54:30 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 1:19
 Operator : MJB
 Sample : 0A16028-CCV6
 Misc : A19J408, 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: Jan 17 10:54:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

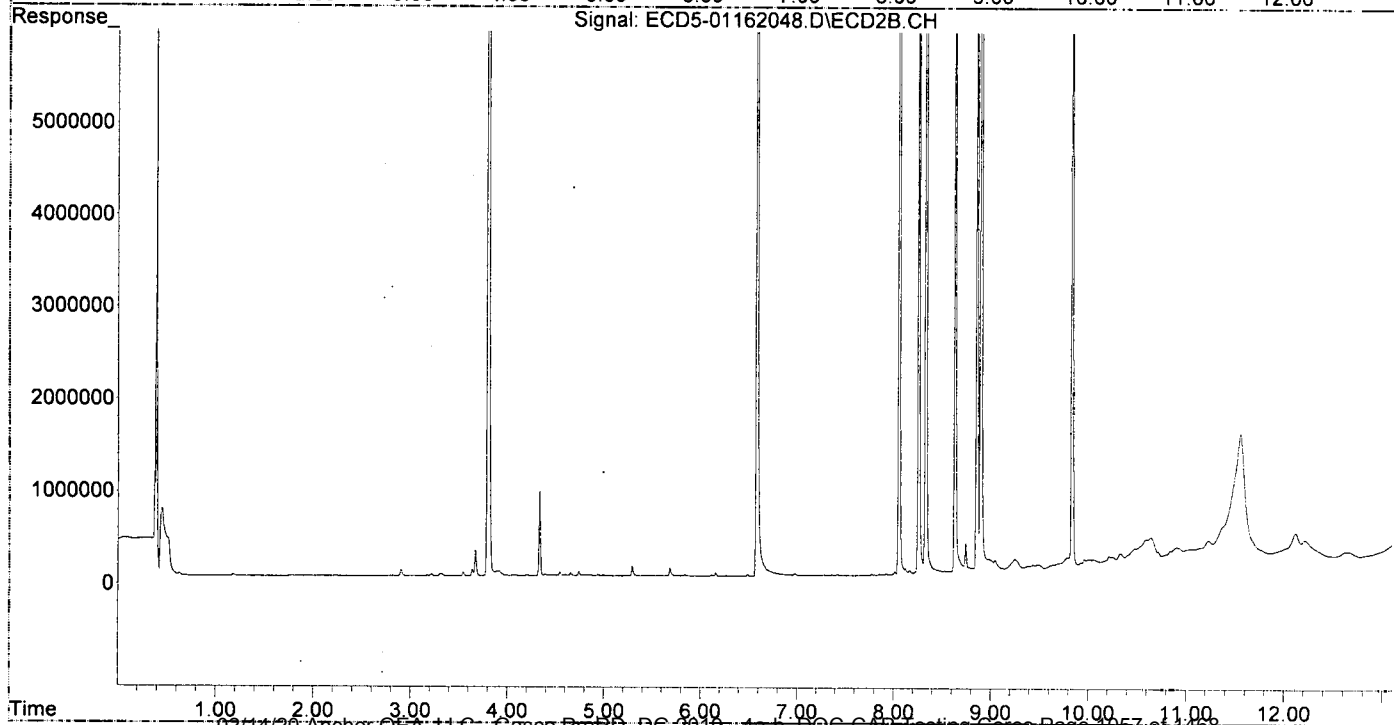
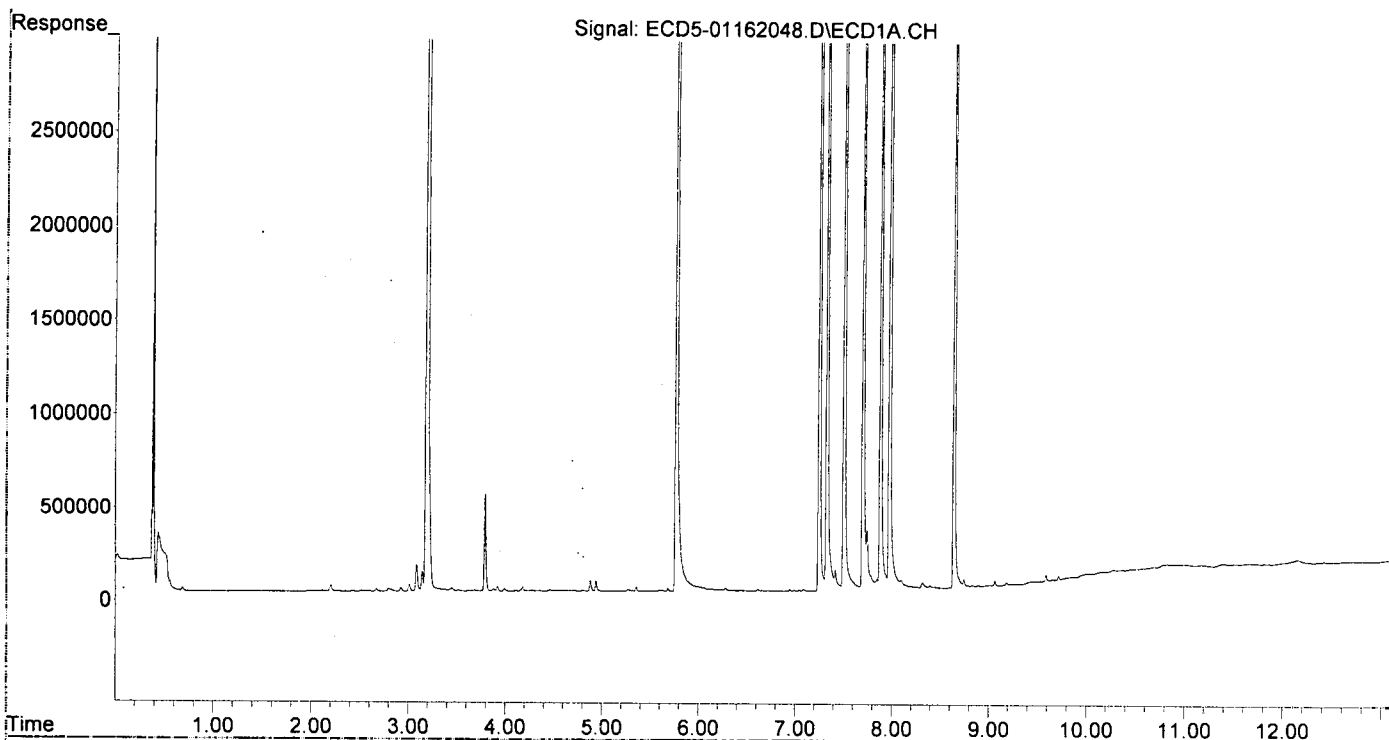
*MJB
VI7120*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.359f	6.116	22881	11303	0.117	0.038 #
22) S DCBP (S)	9.592	10.719	42110	134558	0.126	0.756 #
Target Compounds						
2) a-BHC	0.000	6.691f	0	58991	N.D.	0.143 #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.282	7.104	13630	4569	5931.863	0.028 #
5) Heptachlor	6.618	7.418	10556	16730	0.046	0.047
6) d-BHC	6.443	7.361	4088	10199	0.019	0.088 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.329	8.123	5935394	55855	28.791	0.181 #
9) trans-Chl...	7.418	8.256f	110863	10224124	0.526	32.787 #
10) cis-Chlor...	7.507	0.000	9795886	0	47.872	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	8.523f	0	7650	N.D.	0.059 #
13) Dieldrin	0.000	8.631	0	9284557	N.D.	30.054 #
14) Endrin	7.978	8.857	10917238	10684118	63.099	45.471
15) 4,4'-DDD	7.978f	8.899	10917238	18505870	63.232	75.286
16) Endosulfa...	8.099	9.045f	48786	107298	0.286	0.439 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.398	9.245	14868	106236	0.097	0.475 #
19) Endosulfa...	8.746f	9.433	42351	40472	0.265	0.183
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.893	9.833	7091	10108695	0.037	40.365 #
23) Hexachlor...	3.188	3.799	10399364	22071387	52.141	55.078
24) Hexachlor...	5.769	6.582	8306129	15165935	42.943	47.378
25) Oxychlordane	7.251	8.054	8876015	14839338	50.408	53.056
26) 2,4'-DDE	7.329	8.256	5935394	10224124	41.625	48.550
27) trans-Non...	7.507	8.330	9795886	16430595	49.045	53.435
28) 2,4'-DDD	7.702	8.631	5162694	9284557	40.576	50.339
29) 2,4'-DDT	7.884	8.857	6251192	10684118	42.677	52.802
30) cis-Nonac...	7.978	8.899	10917238	18505870	46.319	54.247
31) Mirex	8.644	9.833	6683199	10108695	49.672	54.995
32) Chlordane...	7.418	8.256f	110863	10224124	4.725	262.852 #
33) Chlordane...	7.507f	0.000	9795886	0	339.890	N.D. #
34) Chlordane...	8.099	9.045	48786	107298	6.413	10.106 #
35) Chlordane...	3.792f	3.799	523946	22071387	NoCal	NoCal
36) Toxaphene...	7.507	8.631	9795886	9284557	9300.876	3433.248 #
37) Toxaphene...	0.000	8.983	0	122185	N.D.	35.085 #
38) Toxaphene...	8.099	8.983f	48786	122185	7.514	19.891 #
39) Toxaphene...	8.320f	9.045f	31552	107298	7.810	11.888 #
40) Toxaphene...	0.000	9.245	0	106236	N.D.	21.154 #
41) Toxaphene...	8.644	0.000	6683199	0	1539.071	N.D. #
42) Toxaphene...	3.792	3.799	523946	22071387	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 1:19
Operator : MJB
Sample : 0A16028-CCV6
Misc. : A19J408, 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: Jan 17 10:54:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A16028\
 Data File : ECD5-01162049.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 1:36
 Operator : MJB
 Sample : 0A16028-CCB3
 Misc : A19L339
 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: Jan 17 10:54:43 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

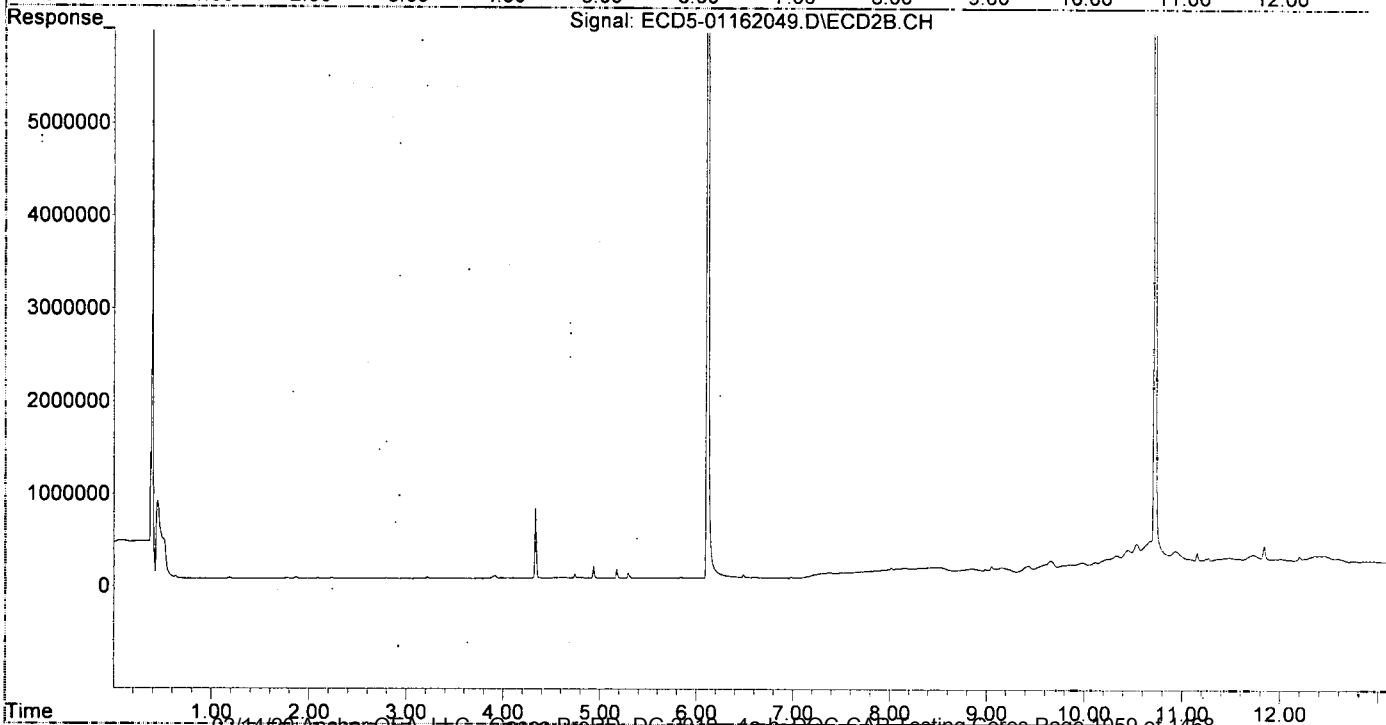
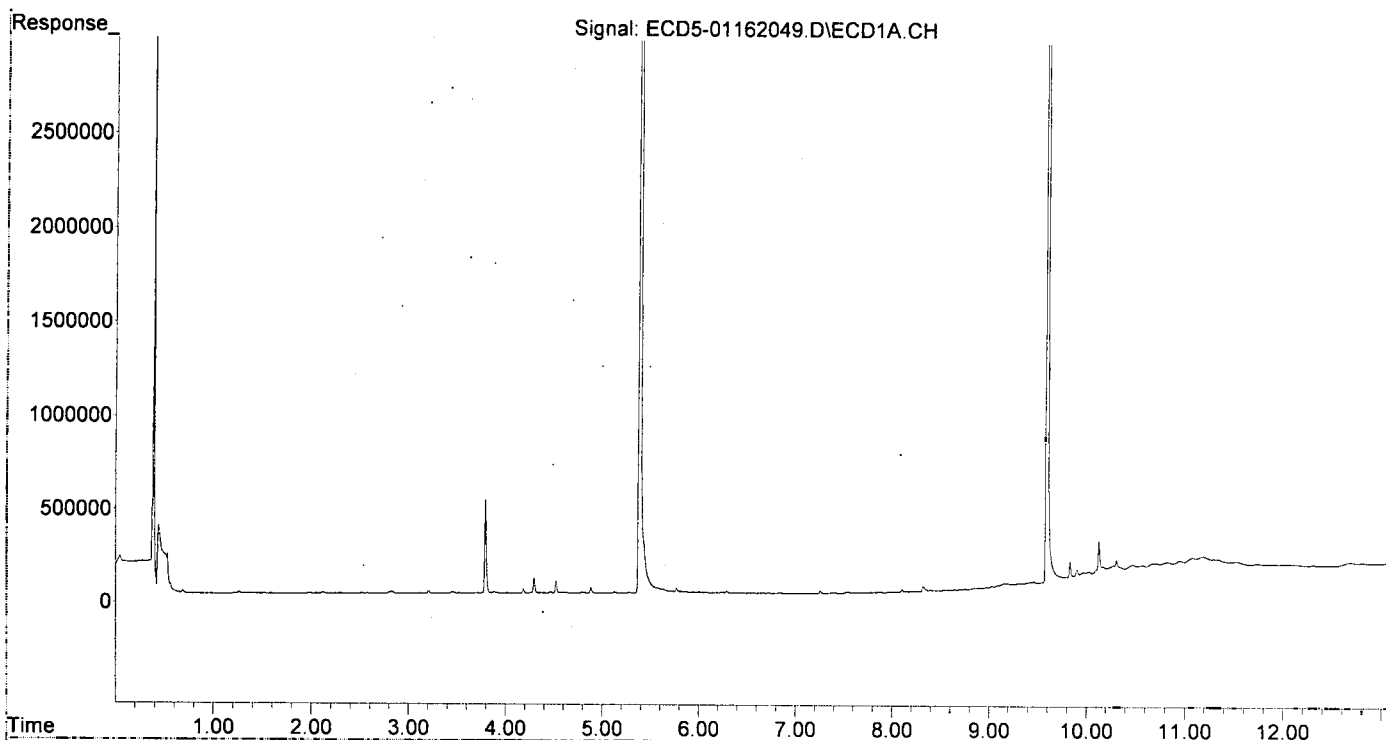
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.112	17568544	31281013	89.975	104.940
22) S DCBP (S)	9.593	10.721	13868544	18536424	93.625	104.168
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.240f	0.000	4953	0	0.021	N.D. #
4) b-BHC	6.287	0.000	9774	0	5931.902	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	7.363	0	30748	N.D.	0.149 #
7) Aldrin	6.835f	0.000	3793	0	0.017	N.D. #
8) Heptachlo...	0.000	8.158f	0	11149	N.D.	0.036 #
9) trans-Chl...	0.000	8.295	0	10578	N.D.	0.034 #
10) cis-Chlor...	7.540	0.000	5011	0	0.024	N.D. #
11) Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12) 4,4'-DDE	0.000	8.484	0	26657	N.D.	0.125 #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	0.000	8.837f	0	23960	N.D.	0.102 #
15) 4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16) Endosulfa...	8.104	9.049f	13449	55220	0.079	0.226 #
17) 4,4'-DDT	0.000	9.163f	0	39790	N.D.	0.216 #
18) Endrin Al...	8.402	0.000	6614	0	0.043	N.D. #
19) Endosulfa...	8.702	9.430	4713	58339	0.029	0.263 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.896	9.868	2257	53811	0.012	0.215 #
23) Hexachlor...	3.204	0.000	13084	0	0.066	N.D. #
24) Hexachlor...	5.768	6.583	26520	4782	BelowCal	0.015
25) Oxychlorane	7.257	0.000	13771	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.295f	0	10578	N.D.	0.050 #
27) trans-Non...	7.540f	8.330	5011	11871	BelowCal	0.039
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	7.868	8.837f	3830	23960	0.026	0.026
30) cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.
31) Mirex	8.647	9.868f	2282	53811	6723.031	0.042 #
32) Chlordane...	0.000	8.295	0	10578	N.D.	0.272 #
33) Chlordane...	7.540	0.000	5011	0	0.174	N.D. #
34) Chlordane...	8.104f	9.049	13449	55220	1.768	5.201 #
35) Chlordane...	3.791f	0.000	497204	0	NoCal	N.D.
36) Toxaphene...	7.540f	0.000	5011	0	4.758	N.D. #
37) Toxaphene...	0.000	8.986	0	22415	N.D.	6.436 #
38) Toxaphene...	8.104	8.986	13449	22415	BelowCal	0.419
39) Toxaphene...	8.323f	9.049f	26520	55220	6.564	6.118
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.647	9.660f	2282	106406	0.525	18.953 #
42) Toxaphene...	3.791	0.000	497204	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A16028\
Data File : ECD5-01162049.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 1:36
Operator : MJB
Sample : 0A16028-CCB3
Misc : A19L339
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: Jan 17 10:54:43 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data**

Sequence 9L17019 (A9J0861-36RE2,37RE2,38RE2)



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A17019**

Instrument: **DUALECD5**

Date: **01/17/20 10:40**

Calibration: **A0A0906**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A17019-BKD1	Sediment	QC	QC				A20A019
2	0A17019-CCV1	Sediment	QC	QC				A19K133
3	0A17019-CCV2	Sediment	QC	QC				A19J408
4	0A17019-CCB1	Sediment	QC	QC				A19L339
5	A9J0903-14RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
6	0A17019-IBL1	Sediment	QC	QC				
7	A9J0903-15RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
8	0A17019-IBL2	Sediment	QC	QC				
9	A9J0903-16RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
10	0A17019-IBL3	Sediment	QC	QC				
11	A9J0903-17RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
12	0A17019-IBL4	Sediment	QC	QC				
13	A9J0903-31RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
14	0A17019-IBL5	Sediment	QC	QC				
15	A9J0903-32RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
16	0A17019-IBL6	Sediment	QC	QC				
17	A9J0903-33RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
18	0A17019-IBL7	Sediment	QC	QC				
19	0A17019-CCV3	Sediment	QC	QC				A19K134
20	0A17019-CCV4	Sediment	QC	QC				A19J409
21	0A17019-CCB2	Sediment	QC	QC				A19L339
22	A9J0903-34RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
23	0A17019-IBL8	Sediment	QC	QC				
24	0010220-MS1	Sediment	QC	QC		0010220		
25	0A17019-IBL9	Sediment	QC	QC				
26	0010220-MSD1	Sediment	QC	QC		0010220		
27	0A17019-IBLA	Sediment	QC	QC				
28	A9J0861-38RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
29	0A17019-IBLB	Sediment	QC	QC				
30	A9J0718-17RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/09/20	0010165		
31	0A17019-IBLC	Sediment	QC	QC				
32	A9J0861-36RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
33	0A17019-IBLD	Sediment	QC	QC				
34	A9J0861-37RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/17/20	0010220		
35	0A17019-IBLE	Sediment	QC	QC				
36	0A17019-CCV5	Sediment	QC	QC				A19K133
37	0A17019-CCV6	Sediment	QC	QC				A19J408
38	0A17019-CCB3	Sediment	QC	QC				A19L339

Data Entered By: MJB 1/20/20

Comments:

Data Reviewed By: [Signature] 1/20/20

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0A17019 BKD1
Data File: ECD5-01172003.D

First Column Area Counts		Percent Breakdown	
DDE	703143		
DDD	8858449		
DDT	152271413	5.91	PASS
Endrin	87816889	8.34	PASS
Endrin Aldehyde	3086526		
Endrin Ketone	4902178		

Second Column Area Counts		Percent Breakdown	
DDE	956685		
DDD	14685581		
DDT	242607565	6.06	PASS
Endrin	135278050	7.33	PASS
Endrin Aldehyde	2780379		
Endrin Ketone	7923923		

Breakdown must be less than 15% to accept sample data.

*MJB
11/12/0*

Data Path : C:\msdchem\4\data\2020-01\0A17019\
 Data File : ECD5-01172003.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 11:27
 Operator : MJB
 Sample : 0A17019-BKD1
 Misc : A20A019
 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: Jan 17 11:41:32 2020
 Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
 Quant Title : Pesticides
 QLast Update : Thu Aug 21 11:53:22 2014
 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	7.584	703143	NoCal	ng/mL
2) Endrin	7.951	87816889	NoCal	ng/mL
3) 4,4'-DDD	8.005	8858449	NoCal	ng/mL
4) 4,4'-DDT	8.201	152271413	NoCal	ng/mL
5) Endrin Aldehyde	8.398	3086526	NoCal	ng/mL
6) Endrin Ketone	8.893	4902178	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.479	956685	NoCal	ng/mL
9) Endrin [2C]	8.859	135278050	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.897	14685581	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.242	2780379	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.125	242607565	NoCal	ng/mL
13) Endrin Ketone [2C]	9.838	7923923	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

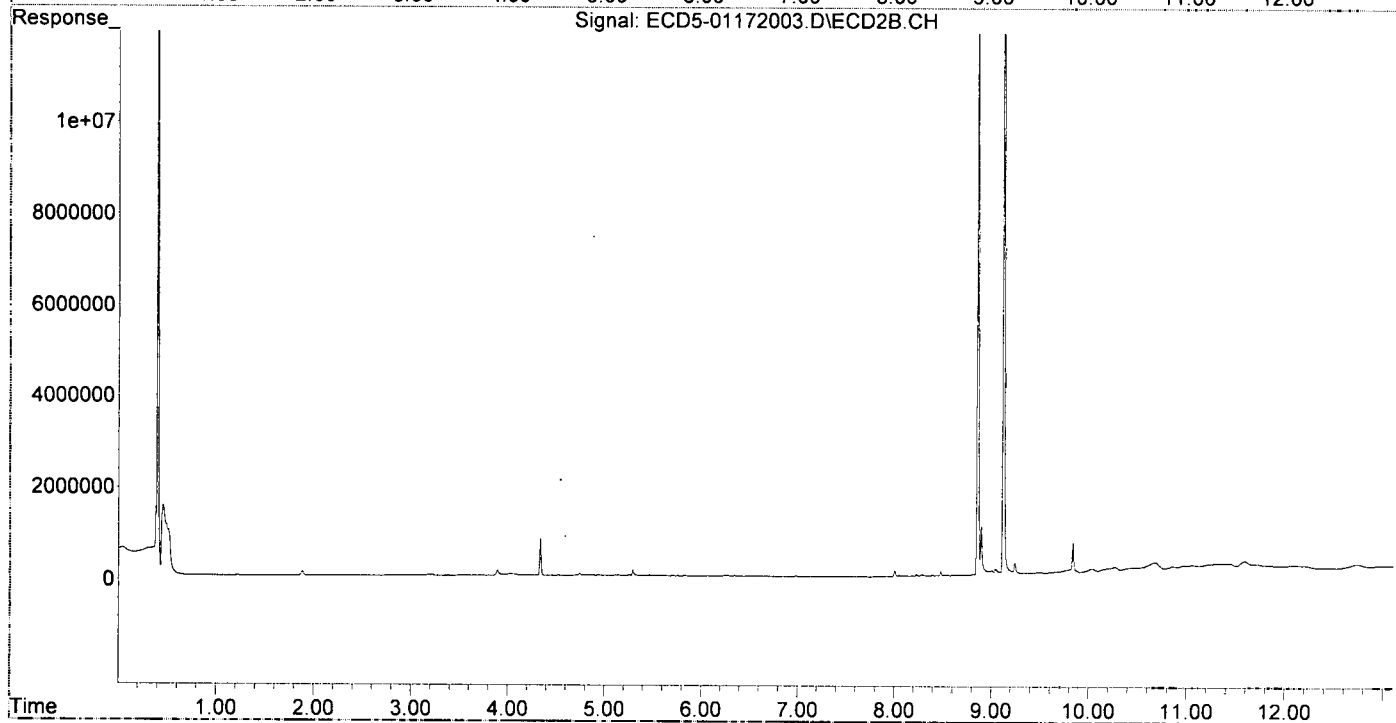
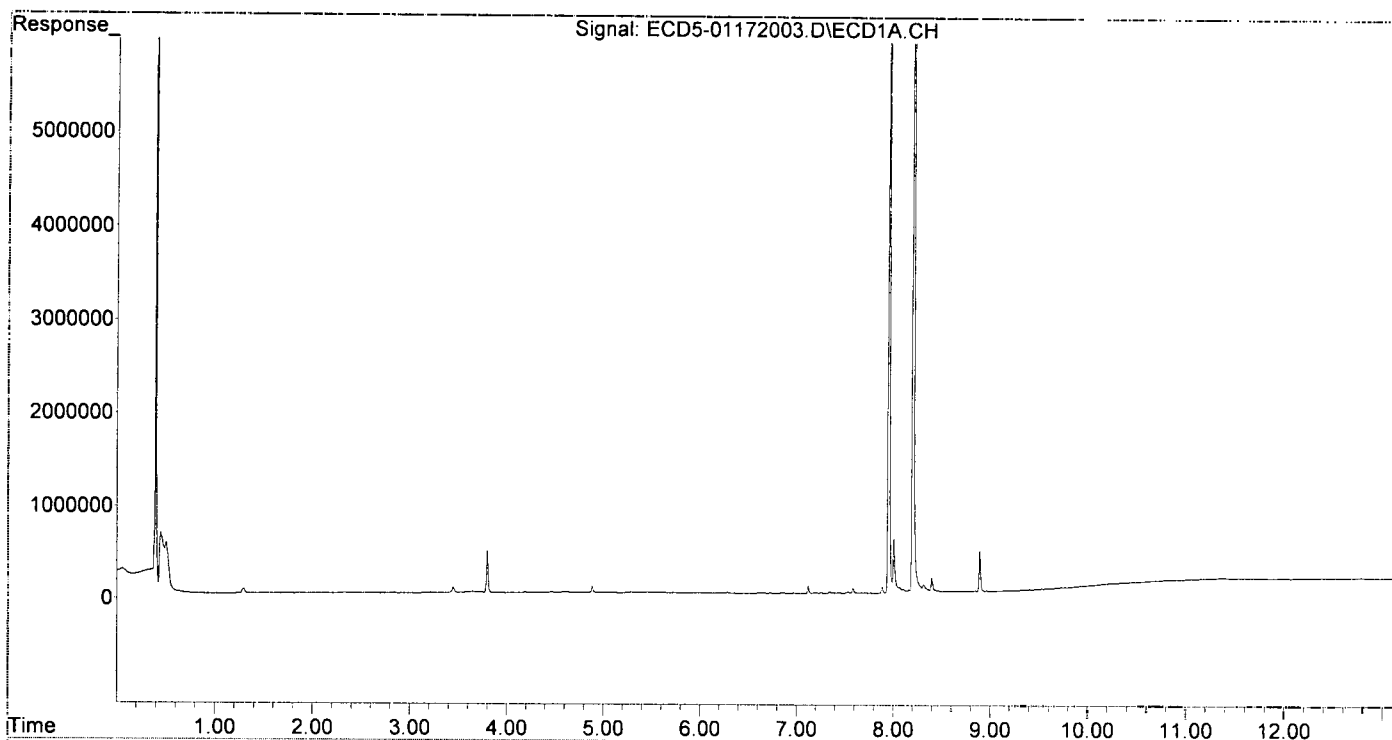
(m)=manual int.

MJB
1/17/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\4\data\2020-01\0A17019\
Data File : ECD5-01172003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 11:27
Operator : MJB
Sample : 0A17019-BKD1
Misc : A20A019
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: Jan 17 11:41:32 2020
Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
Quant Title : Pesticides
QLast Update : Thu Aug 21 11:53:22 2014
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172004.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 11:44
 Operator : MJB
 Sample : 0A17019-CCV1
 Misc : A19K133, 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: Jan 17 14:54:02 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

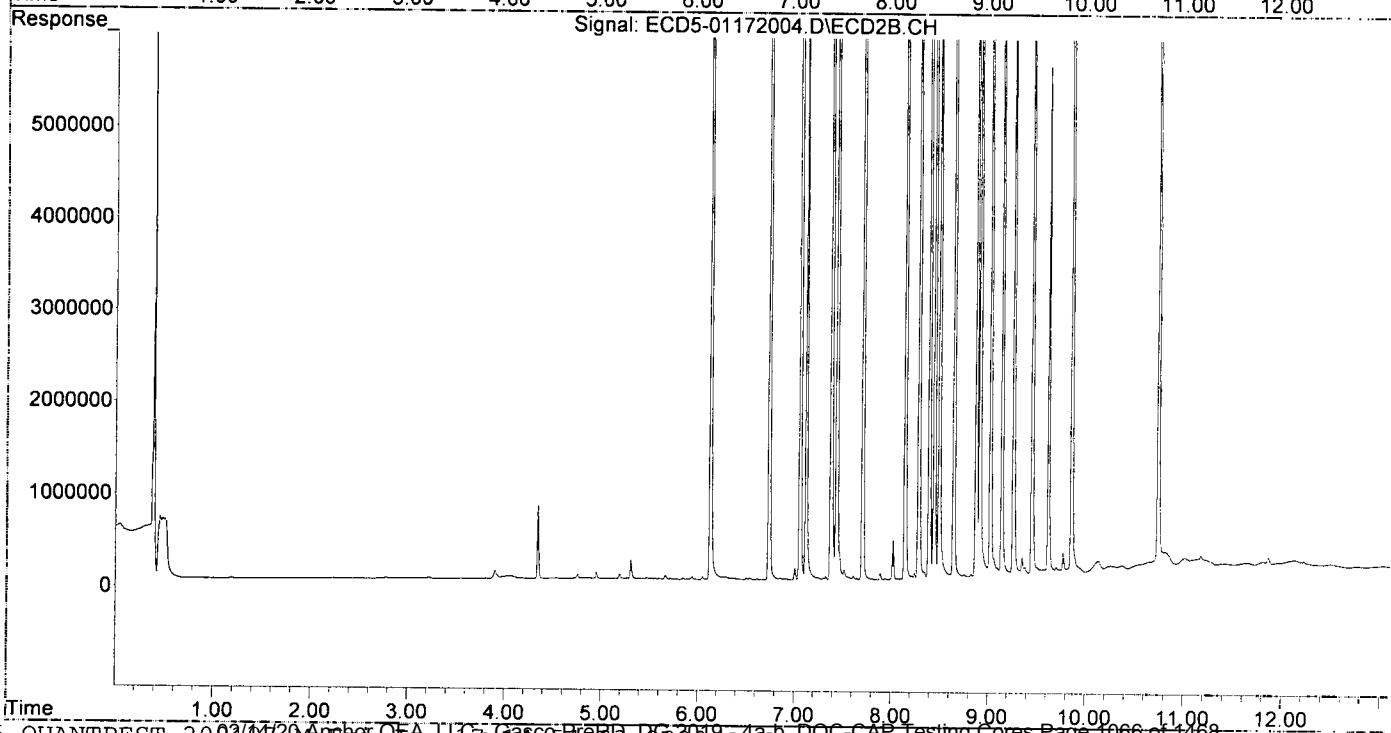
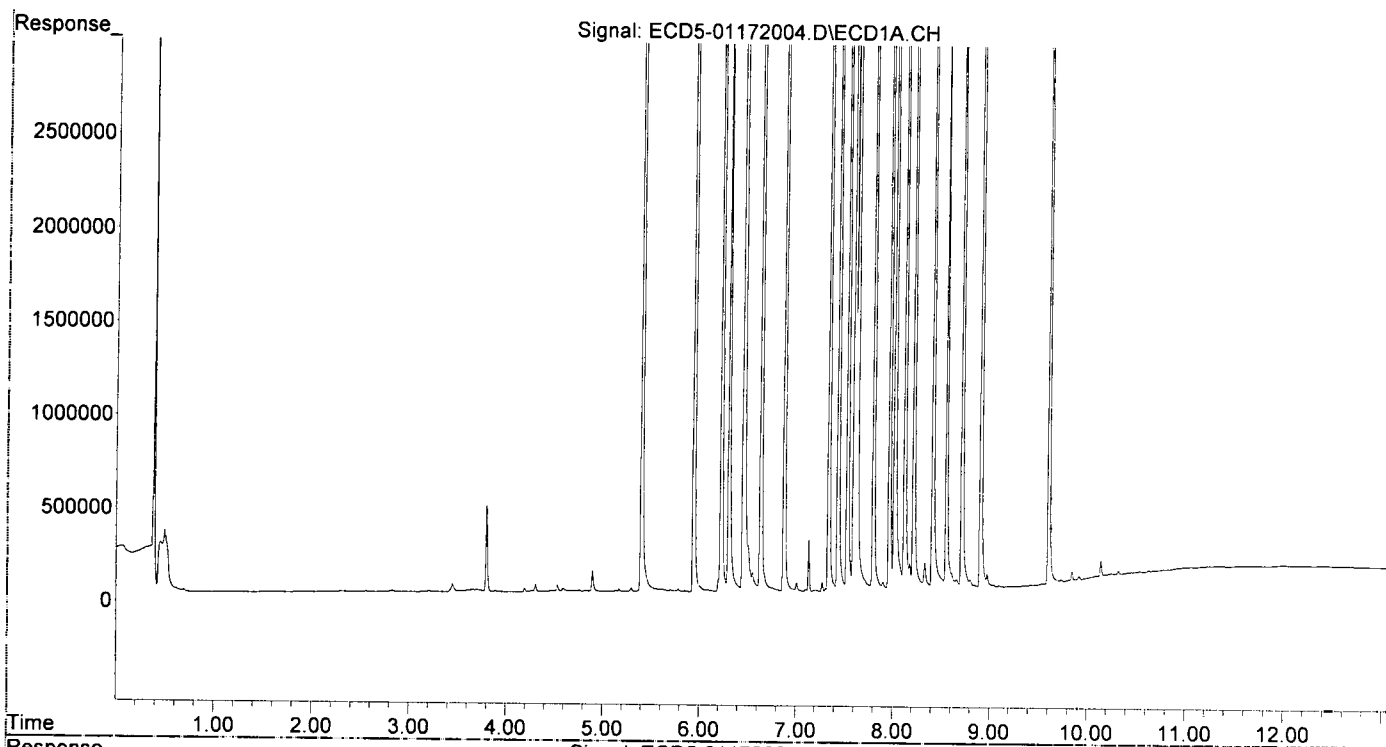
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.400	6.128	8689477	15275288	44.502	51.245
22) S DCBP (S)	9.606	10.740	6958446	8926763	46.625	50.165
Target Compounds						
2) a-BHC	5.941	6.735	13045907	23601187	49.573	57.152
3) g-BHC	6.225	7.055	11336189	20305928	48.549	55.618
4) b-BHC	6.303	7.118	3789405	7512942	38.739	46.706
5) Heptachlor	6.635	7.434	11255766	19692290	49.533	55.551
6) d-BHC	6.454	7.376	8459679	18662234	38.834	52.371
7) Aldrin	6.877	7.703	10484240	18330071	47.518	55.036
8) Heptachlo...	7.338	8.142	9604099	16226556	46.587	52.677
9) trans-Chl...	7.434	8.283	9615781	16329285	45.633	52.366
10) cis-Chlor...	7.531	8.390	9354134	15680651	45.713	52.860
11) Endosulfa...	7.628	8.442	8982641	14930758	46.349	53.730
12) 4,4'-DDE	7.596	8.493	8790951	16442177	42.636	53.070
13) Dieldrin	7.800	8.644	10236518	16833365	47.528	54.489
14) Endrin	7.965	8.874	8850090	13884471	51.151	59.092
15) 4,4'-DDD	8.018	8.911	7052910	13170831	40.850	53.582
16) Endosulfa...	8.122	9.020	7697574	12863587	45.116	52.655
17) 4,4'-DDT	8.214	9.139	6913234	11580322	41.731	49.659
18) Endrin Al...	8.412	9.257	6165507	10682864	40.268	47.776
19) Endosulfa...	8.714	9.449	7554817	12705463	47.207	57.317
20) Methoxychlor	8.552	9.617	3268337	5486202	37.737	46.129
21) Endrin Ke...	8.908	9.854	9004678	14305054	47.152	57.121
23) Hexachlor...	3.207	0.000	7965	0	0.040	N.D. #
24) Hexachlor...	5.783	6.613f	13800	8275	BelowCal	0.026
25) Oxychlordane	7.273f	8.065	49670	10703	0.081	0.038 #
26) 2,4'-DDE	7.338	8.240	9604099	58650	67.354	0.279 #
27) trans-Non...	7.531f	8.342	9354134	71667	46.835	0.233 #
28) 2,4'-DDD	0.000	8.644	0	16833365	N.D.	91.268 #
29) 2,4'-DDT	7.900	8.874	41860	13884471	0.286	67.029 #
30) cis-Nonac...	7.965	8.911	8850090	13170831	37.549	38.608
31) Mirex	8.662	9.854f	46391	14305054	0.097	76.249 #
32) Chlordane...	7.434	8.283	9615781	16329285	409.852	419.809
33) Chlordane...	7.531	8.390	9354134	15680651	324.562	488.525 #
34) Chlordane...	0.000	9.020f	0	12863587	N.D.	1211.519 #
35) Chlordane...	3.798	0.000	458695	0	NoCal	N.D.
36) Toxaphene...	7.531	8.644f	9354134	16833365	8881.447	6224.650
37) Toxaphene...	7.800	0.000	10236518	0	5263.901	N.D. #
38) Toxaphene...	8.122	9.020	7697574	12863587	1795.016	2127.089
39) Toxaphene...	8.333f	0.000	141605	0	35.050	N.D. #
40) Toxaphene...	8.552f	9.257	3268337	10682864	994.087	2127.233 #
41) Toxaphene...	8.662	9.617	46391	5486202	10.683	977.207 #
42) Toxaphene...	3.798	0.000	458695	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 11:44
Operator : MJB
Sample : 0A17019-CCV1
Misc : A19K133, 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: Jan 17 14:54:02 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172005.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 12:01
 Operator : MJB
 Sample : 0A17019-CCV2
 Misc : A19J408, 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: Jan 17 14:54:08 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

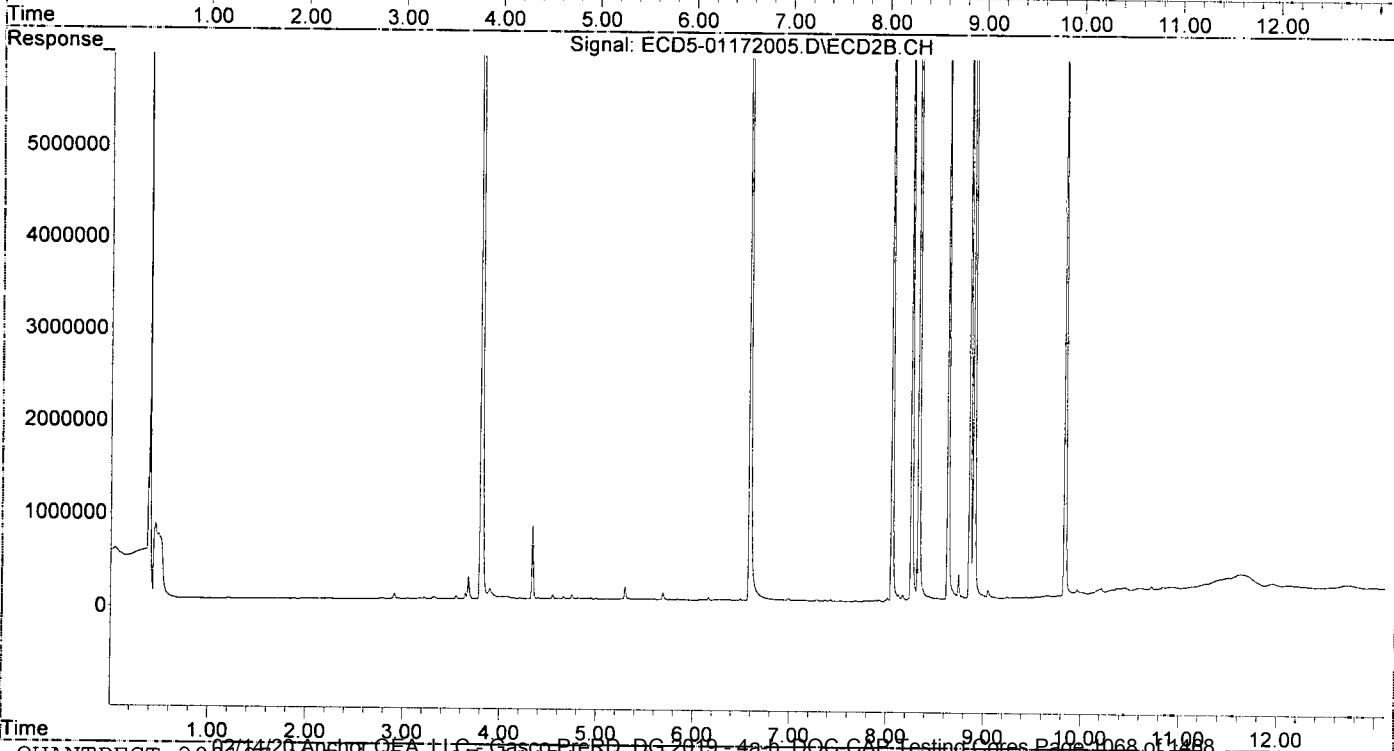
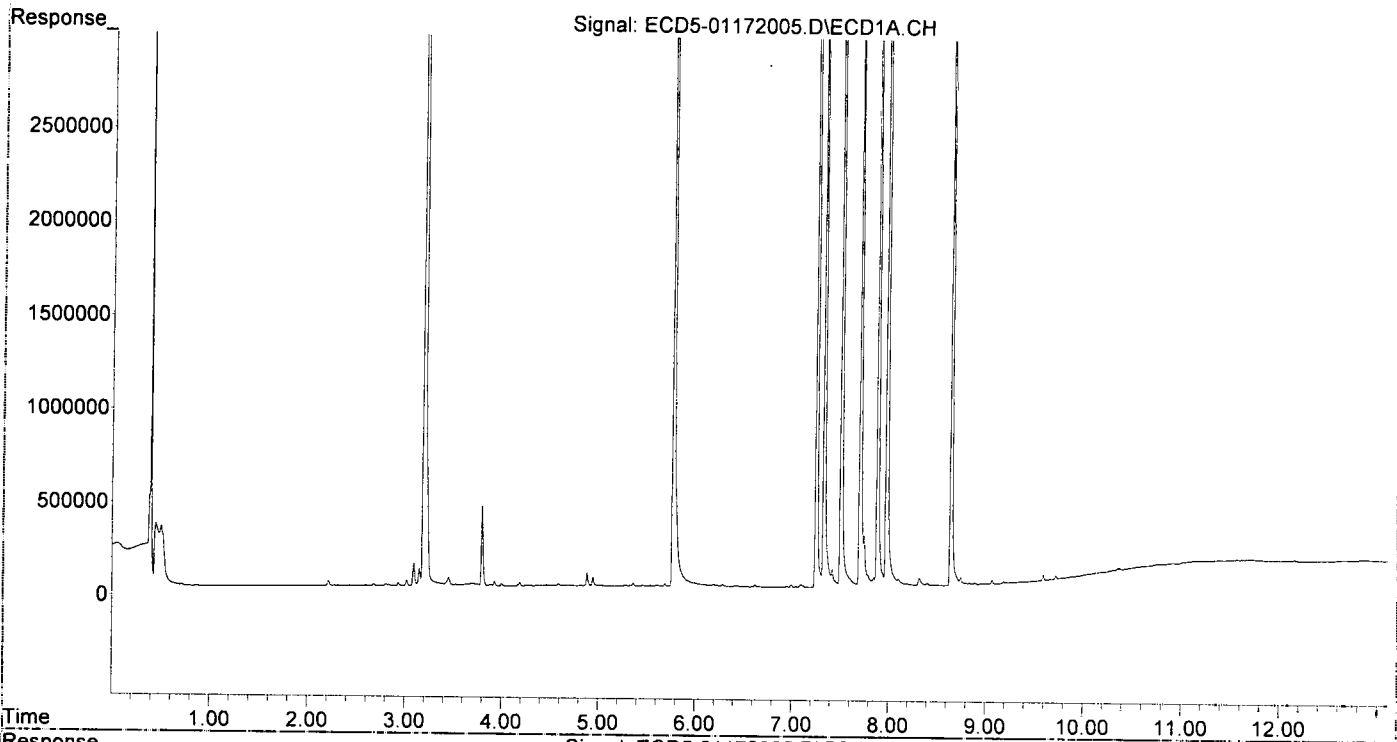
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.359f	6.117	18312	6224	0.094	0.021 #
22) S DCBP (S)	9.593	10.721	29966	33794	0.045	0.190 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.188f	0.000	11745	0	0.050	N.D. #
4) b-BHC	6.285	0.000	12399	0	5931.876	N.D. #
5) Heptachlor	6.622	7.418	11536	16776	0.051	0.047 #
6) d-BHC	6.414f	7.363	6215	8071	0.029	0.082 #
7) Aldrin	0.000	0.000	0	0	N.D.	N.D.
8) Heptachlo...	7.330	8.123	5143958	60972	24.952	0.198 #
9) trans-Chl...	7.419	8.256f	95295	9405783	0.452	30.163 #
10) cis-Chlor...	7.507	0.000	8607688	0	42.065	N.D. #
11) Endosulfa...	0.000	8.434	0	35935	N.D.	0.129 #
12) 4,4'-DDE	0.000	8.523f	0	10712	N.D.	0.070 #
13) Dieldrin	0.000	8.631	0	8208586	N.D.	26.571 #
14) Endrin	7.978	8.857	9738383	8841301	56.285	37.628 #
15) 4,4'-DDD	7.978f	8.899	9738383	16389316	56.404	66.676 #
16) Endosulfa...	8.103	9.045f	37603	77505	0.220	0.317 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.402	9.242	10485	11132	0.068	0.050 #
19) Endosulfa...	8.746f	9.433	39059	11858	0.244	0.053 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.893	9.833	7436	8727967	0.039	34.852 #
23) Hexachlor...	3.192	3.801	9187271	19223080	46.064	47.970 #
24) Hexachlor...	5.769	6.582	7405076	13751795	38.270	42.961 #
25) Oxychlordane	7.251	8.055	7798491	13196306	44.298	47.181 #
26) 2,4'-DDE	7.330	8.256	5143958	9405783	36.075	44.664 #
27) trans-Non...	7.507	8.330	8607688	14392718	43.100	46.807 #
28) 2,4'-DDD	7.703	8.631	4478282	8208586	35.197	44.505 #
29) 2,4'-DDT	7.885	8.857	5107722	8841301	34.871	44.316 #
30) cis-Nonac...	7.978	8.899	9738383	16389316	41.318	48.043 #
31) Mirex	8.644	9.833	5737328	8727967	42.561	47.805 #
32) Chlordane...	7.419	8.256f	95295	9405783	4.062	241.813 #
33) Chlordane...	7.507f	0.000	8607688	0	298.663	N.D. #
34) Chlordane...	8.103f	9.045	37603	77505	4.943	7.300 #
35) Chlordane...	3.794f	3.801	431035	19223080	NoCal	NoCal #
36) Toxaphene...	7.507	8.631	8607688	8208586	8172.720	3035.375 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.103	0.000	37603	0	4.838	N.D. #
39) Toxaphene...	8.319f	9.045f	38981	77505	9.649	8.587 #
40) Toxaphene...	0.000	9.242	0	11132	N.D.	2.217 #
41) Toxaphene...	8.644	9.662f	5737328	8640	1321.247	1.539 #
42) Toxaphene...	3.794	3.801	431035	19223080	NoCal	NoCal #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 12:01
Operator : MJB
Sample : 0A17019-CCV2
Misc : A19J408, 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: Jan 17 14:54:08 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172006.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 12:19
 Operator : MJB
 Sample : 0A17019-CCB1
 Misc : A19L339
 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: Jan 17 14:54:14 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/17/20

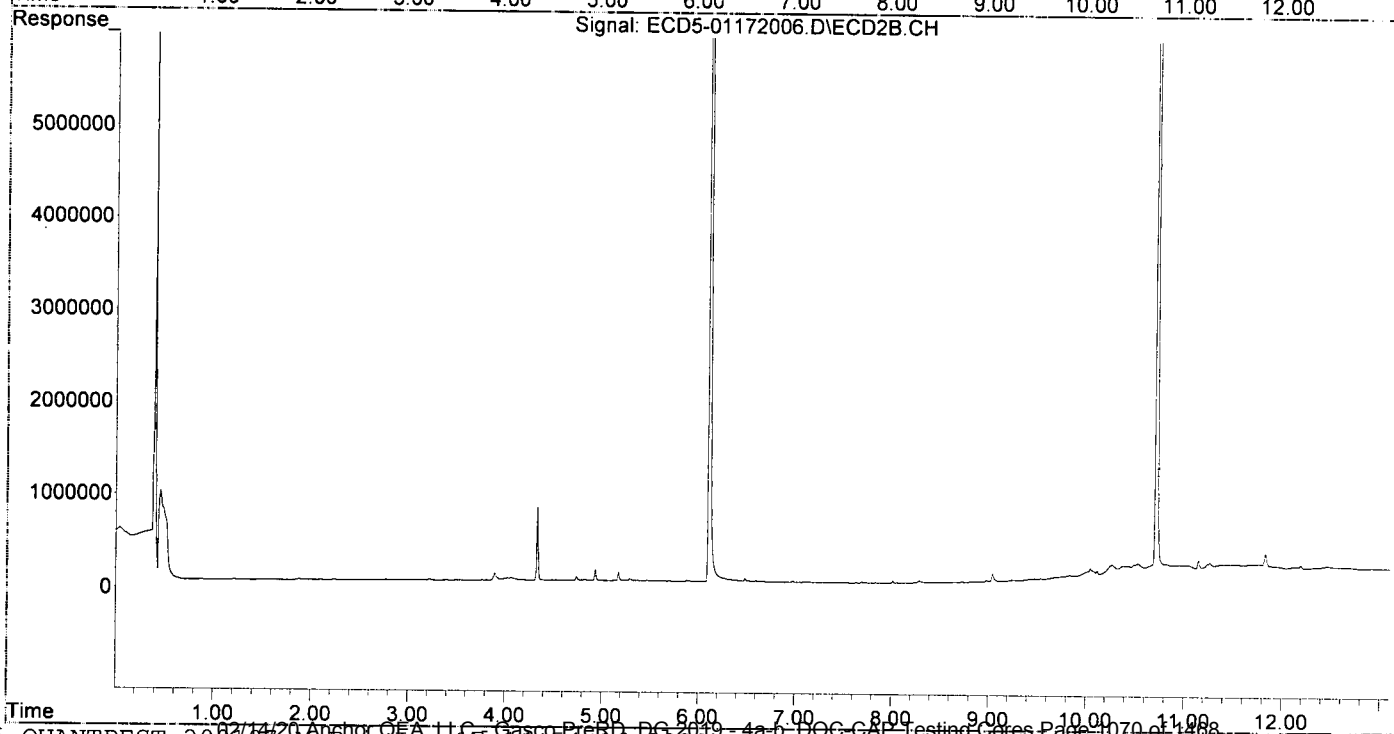
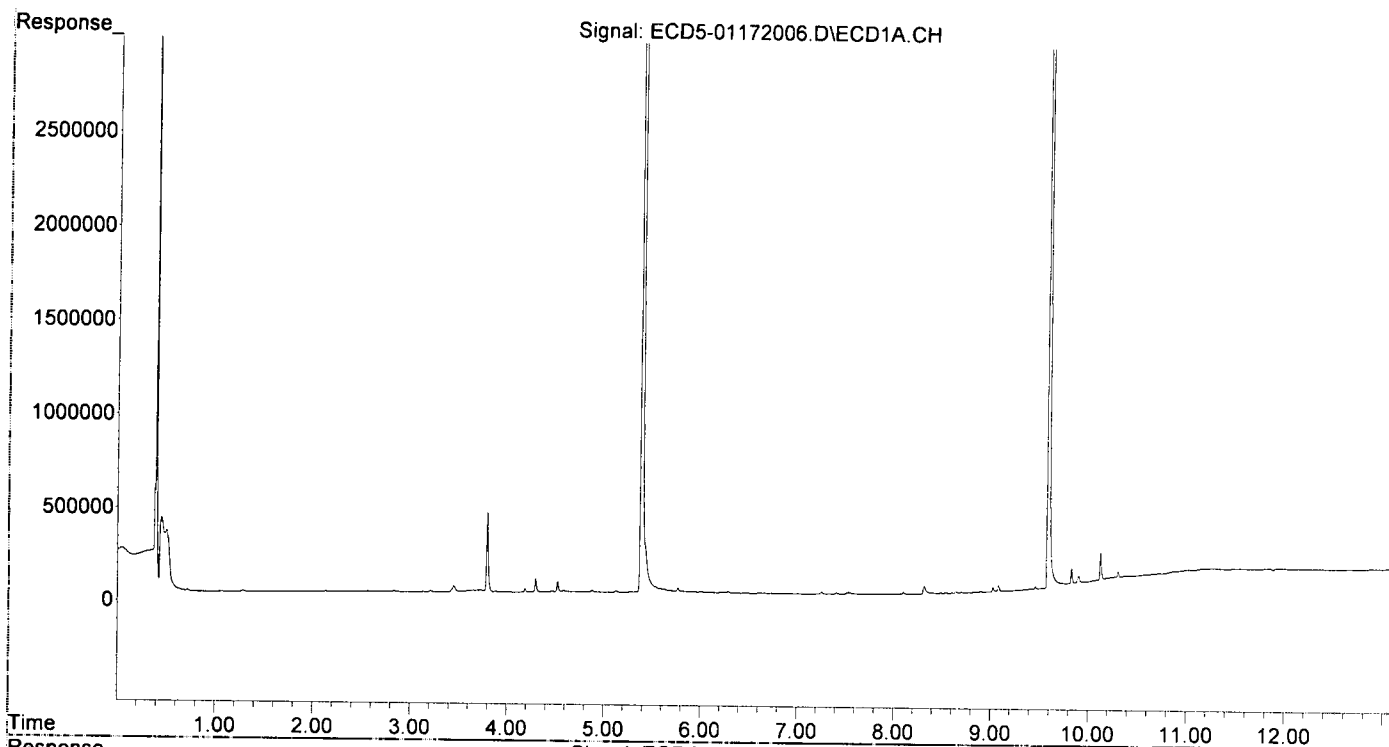
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.112	16339699	29641611	83.681	99.441
22) S DCBP (S)	9.591	10.720	13081586	17195008	88.244	96.630
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.286	0.000	8258	0	5931.918	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	7.693	0	11443	N.D.	0.034 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.408f	8.288	6760	21822	0.032	0.070 #
10) cis-Chlor...	7.535	0.000	9681	0	0.047	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	8.864	0	3290	N.D.	0.014 #
15) 4,4'-DDD	0.000	8.899	0	3873	N.D.	0.016 #
16) Endosulfa...	8.102	9.008	11432	7558	0.067	0.031 #
17) 4,4'-DDT	0.000	9.148	0	2336	N.D.	0.040 #
18) Endrin Al...	8.398	9.242	7151	7101	0.047	0.032
19) Endosulfa...	8.700	9.433	4765	9095	0.030	0.041
20) Methoxychlor	8.539	0.000	7090	0	0.082	N.D. #
21) Endrin Ke...	8.898	9.836	4684	13634	0.025	0.054 #
23) Hexachlor...	3.209	0.000	7211	0	0.036	N.D. #
24) Hexachlor...	5.768	6.600	26150	6083	BelowCal	0.019
25) Oxychlordane	7.255	8.014f	12235	20100	BelowCal	0.072
26) 2,4'-DDE	0.000	8.288f	0	21822	N.D.	0.104 #
27) trans-Non...	7.535f	8.327	9681	5876	BelowCal	0.019
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29) 2,4'-DDT	0.000	8.864	0	3290	N.D.	BelowCal
30) cis-Nonac...	0.000	8.899	0	3873	N.D.	0.011 #
31) Mirex	8.647	9.836	8059	13634	6722.988	BelowCal #
32) Chlordane...	7.408f	8.288	6760	21822	0.288	0.561 #
33) Chlordane...	7.535	0.000	9681	0	0.336	N.D. #
34) Chlordane...	8.102f	9.044	11432	83005	1.503	7.818 #
35) Chlordane...	3.793f	0.000	422771	0	NoCal	N.D.
36) Toxaphene...	7.535f	0.000	9681	0	9.192	N.D. #
37) Toxaphene...	0.000	8.984	0	16588	N.D.	4.763 #
38) Toxaphene...	8.102	9.008	11432	7558	BelowCal	BelowCal
39) Toxaphene...	8.398f	9.044f	7151	83005	1.770	9.196 #
40) Toxaphene...	0.000	9.242	0	7101	N.D.	1.414 #
41) Toxaphene...	8.647	0.000	8059	0	1.856	N.D. #
42) Toxaphene...	3.793	0.000	422771	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 12:19
Operator : MJB
Sample : 0A17019-CCB1
Misc : A19L339
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: Jan 17 14:54:14 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 17:00
 Operator : MJB
 Sample : 0A17019-CCV3
 Misc : A19K134, 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: Jan 20 11:11:34 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

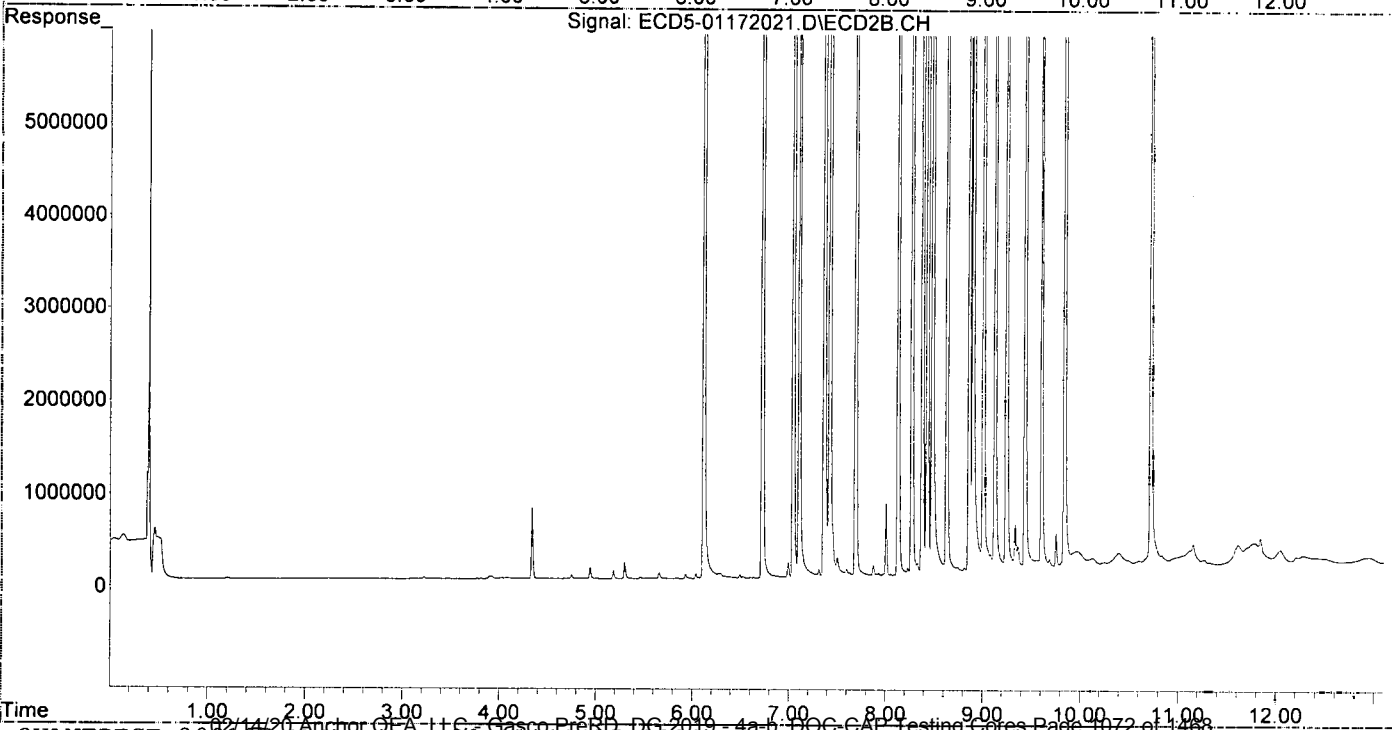
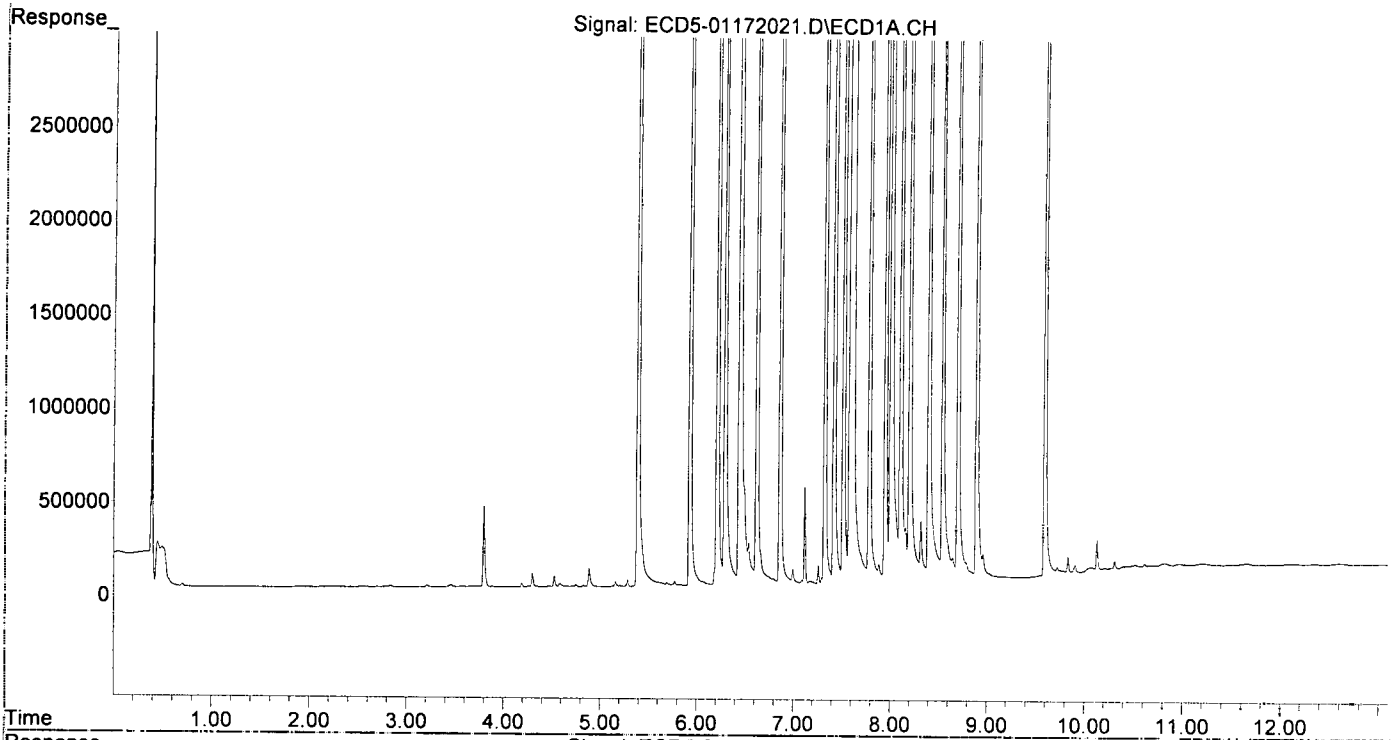
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.388	6.115	17044189	29264340	87.289	98.175
22) S DCBP (S)	9.594	10.724	13450709	17645272	90.767	99.160
Target Compounds						
2) a-BHC	5.928	6.723	26022255	47099896	98.882	114.057
3) g-BHC	6.211	7.043	22387331	39967831	95.877	109.472
4) b-BHC	6.288	7.104	7213041	14100246	74.341	87.657
5) Heptachlor	6.621	7.421	22718375	40041492	99.977	112.956
6) d-BHC	6.439	7.363	16512649	36023884	75.801	96.321
7) Aldrin	6.862	7.690	21105850	36528226	95.658	109.676
8) Heptachlo...	7.324	8.128	19178455	33420665	93.029	108.496
9) trans-Chl...	7.420	8.269	19198504	33031162	91.110	105.927
10) cis-Chlor...	7.516	8.377	18854821	31107999	92.142	104.865
11) Endosulfa...	7.613	8.429	18133973	30093428	93.569 ²	108.295
12) 4,4'-DDE	7.583	8.480	16295522	30328772	79.033	93.453
13) Dieldrin	7.785	8.631	20743744	35000886	96.314	113.297
14) Endrin	7.950	8.860	17615457	28181305	101.813	119.938
15) 4,4'-DDD	8.005	8.898	13120172	25216495	75.991 ^{0.31}	102.587
16) Endosulfa...	8.108	9.007	15343617	25650458	89.930	104.996
17) 4,4'-DDT	8.201	9.127	13608997	24063908	82.149	95.601
18) Endrin Al...	8.398	9.245	12351461	21138618	80.669	94.536
19) Endosulfa...	8.700	9.436	14940777	25904681	93.359	116.862
20) Methoxychlor	8.542	9.605	6068362	10907226	70.067	91.711
21) Endrin Ke...	8.894	9.841	18195948	30049618	95.282	119.991
23) Hexachlor...	3.209	0.000	10043	0	0.050	N.D. #
24) Hexachlor...	5.770	6.601	24126	7861	BelowCal	0.025
25) Oxychlordane	7.259	8.053	94998	12702	0.341	0.045 #
26) 2,4'-DDE	7.324	8.269	19178455	33031162	134.499	156.850
27) trans-Non...	7.516	8.329	18854821	126652	94.166	0.412 #
28) 2,4'-DDD	0.000	8.631	0	35000886	N.D.	189.769 #
29) 2,4'-DDT	7.885	8.860	92943	28181305	0.635	124.345 #
30) cis-Nonac...	7.950f	8.898	17615457	25216495	74.738	73.918
31) Mirex	0.000	9.841	0	30049618	N.D.	149.356 #
32) Chlordane...	7.420	8.269	19198504	33031162	818.294	849.197
33) Chlordane...	7.516	8.377	18854821	31107999	654.210	969.159 #
34) Chlordane...	8.108f	9.083f	15343617	191643	2016.883	18.049 #
35) Chlordane...	3.794f	0.000	434128	0	NoCal	N.D.
36) Toxaphene...	7.516	8.631	18854821	35000886	17902.041	12942.644
37) Toxaphene...	7.785	9.007f	20743744	25650458	10667.006	7365.408
38) Toxaphene...	8.108	9.007	15343617	25650458	3504.068	3791.404
39) Toxaphene...	8.320f	9.083	316100	191643	78.242	21.233 #
40) Toxaphene...	0.000	9.245	0	21138618	N.D.	4209.243 #
41) Toxaphene...	0.000	9.605f	0	10907226	N.D.	1942.804 #
42) Toxaphene...	3.794	0.000	434128	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 17:00
Operator : MJB
Sample : 0A17019-CCV3
Misc : A19K134, 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: Jan 20 11:11:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 17:17
 Operator : MJB
 Sample : 0A17019-CCV4
 Misc : A19J409, 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: Jan 20 11:21:37 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

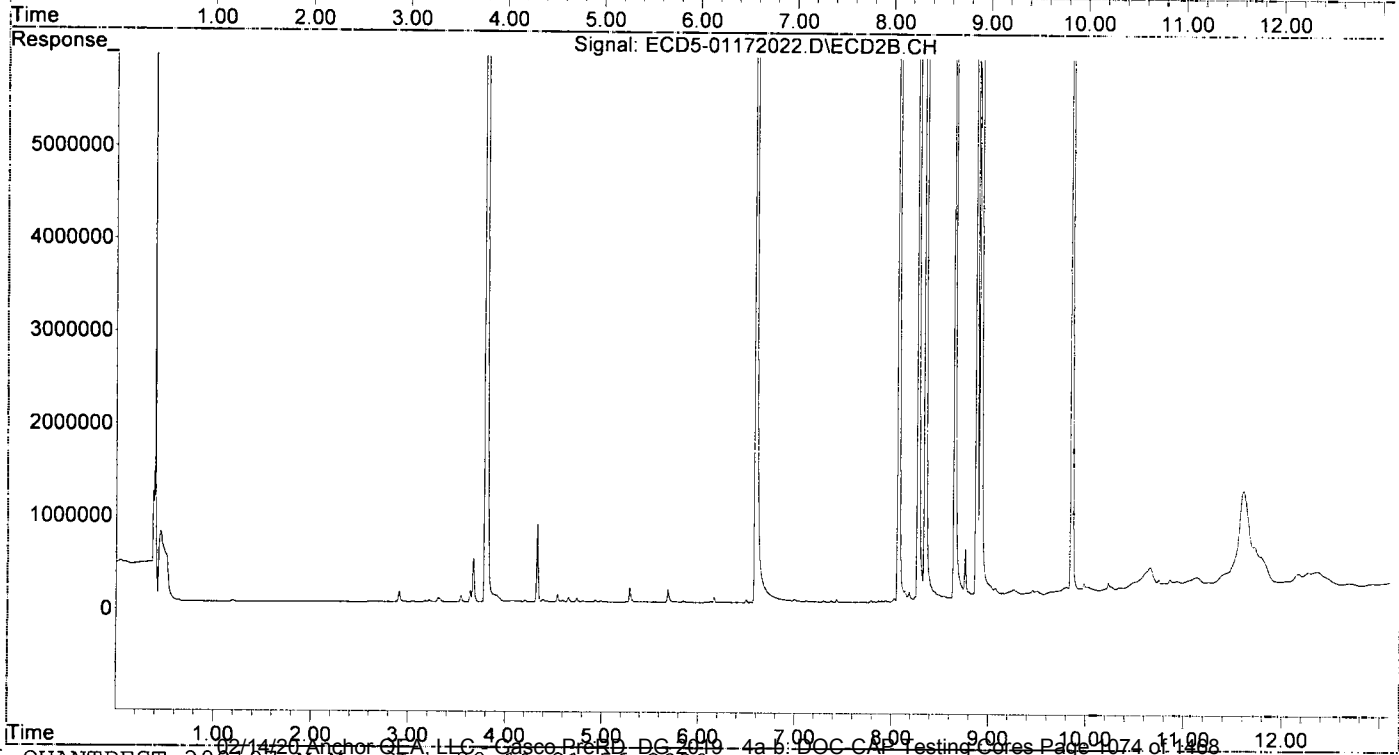
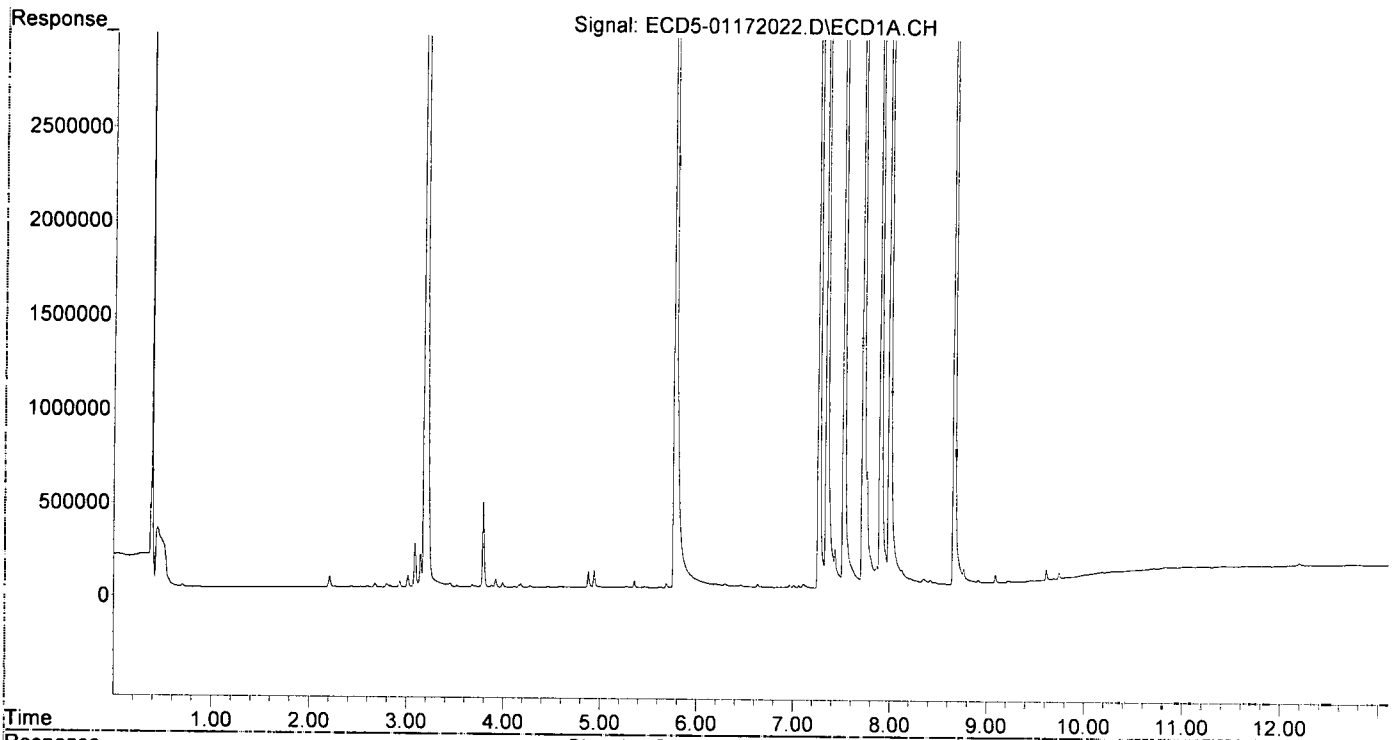
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.355f	6.127	37239	10844	0.191	0.036 #
22) S DCBP (S)	9.612	10.744	58962	129721	0.239	0.729 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.196	7.051	21837	3500	0.094	0.010 #
4) b-BHC	6.294	7.119	21860	7108	0.055	0.044
5) Heptachlor	6.632	7.433	21134	29673	0.093	0.084
6) d-BHC	6.455	7.377	14463	14817	0.066	0.102 #
7) Aldrin	0.000	7.707	0	6907	N.D.	0.021 #
8) Heptachlo...	7.343	8.139	10118507	108602	49.082	0.353 #
9) trans-Chl...	7.432	8.273	203953	19161138	0.968	61.447 #
10) cis-Chlor...	7.522	8.347f	17633610	30301357	86.174	102.146
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	8.648	0	16738598	N.D.	54.183 #
14) Endrin	7.993f	8.875	19312913	19053115	111.624	81.089
15) 4,4'-DDD	7.993	8.917	19312913	34205776	111.859	139.157
16) Endosulfa...	8.122	0.000	83237	0	0.488	N.D. #
17) 4,4'-DDT	0.000	9.143	0	12704	N.D.	0.089 #
18) Endrin Al...	8.418	9.261	25051	53368	0.164	0.239 #
19) Endosulfa...	0.000	9.452	0	43893	N.D.	0.198 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.912	9.852	17023	18344874	0.089	73.253 #
23) Hexachlor...	3.187	3.797	18643843	40781131	93.478	101.768
24) Hexachlor...	5.769	6.592	14288832	27494495	73.964	85.893
25) Oxychlorthane	7.264	8.071	15776516	28076660	89.326	100.384
26) 2,4'-DDE	7.343	8.272	10118507	19195419	70.962	91.150m
27) trans-Non...	7.522	8.347	17633610	30301357	88.104	98.545
28) 2,4'-DDD	7.719	8.648	8038246	16738598	63.177	90.754 #
29) 2,4'-DDT	7.900	8.875	10298618	19053115	70.309	88.813
30) cis-Nonac...	7.993	8.917	19312913	34205776	81.940	100.269
31) Mirex	8.662	9.852	11641523	18344874	87.198	95.934
32) Chlordane...	7.432	8.273	203953	19161138	8.693	492.613 #
33) Chlordane...	7.522	0.000	17633610	0	611.837	N.D. #
34) Chlordane...	0.000	9.069	0	64950	N.D.	6.117 #
35) Chlordane...	3.790f	3.797	456967	40781131	NoCal	NoCal
36) Toxaphene...	7.522	8.648f	17633610	16738598	16742.540	6189.606 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.122	0.000	83237	0	15.756	N.D. #
39) Toxaphene...	8.350	9.069	30863	64950	7.639	7.196
40) Toxaphene...	0.000	9.261	0	53368	N.D.	10.627 #
41) Toxaphene...	8.662	0.000	11641523	0	2680.922	N.D. #
42) Toxaphene...	3.790f	3.797	456967	40781131	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 17:17
Operator : MJB
Sample : 0A17019-CCV4
Misc : A19J409, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

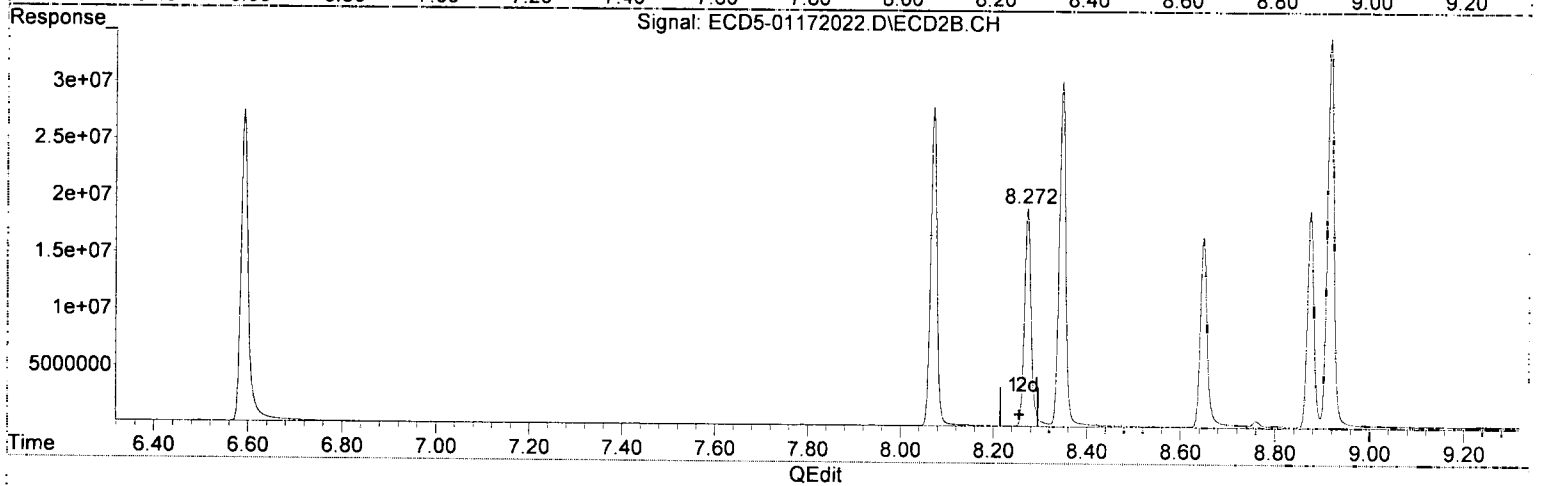
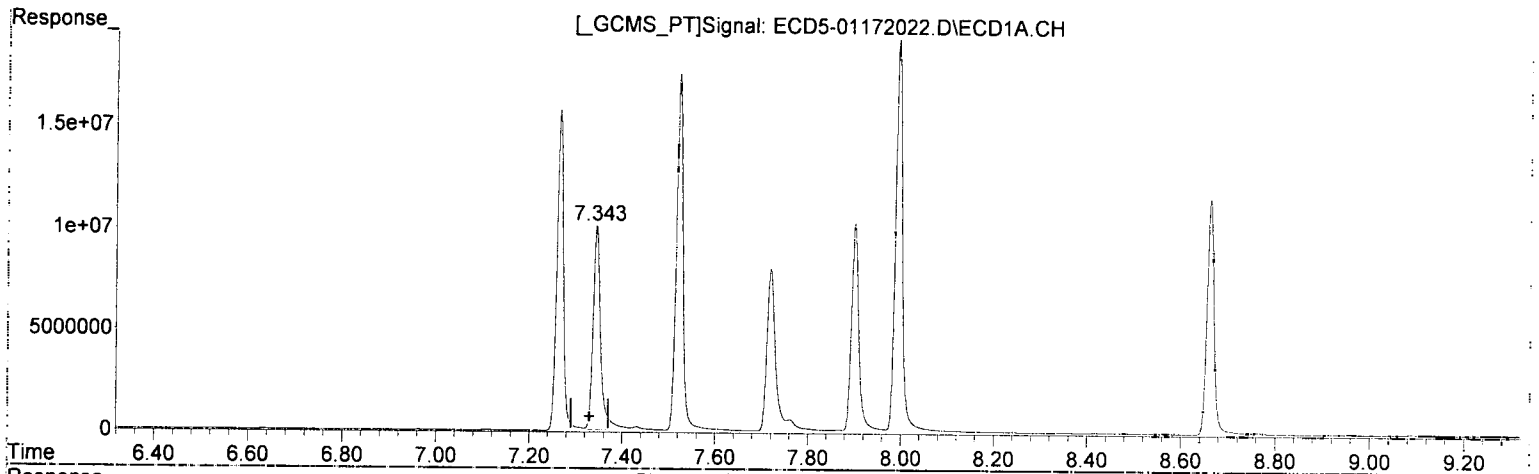
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 20 11:21:37 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 17:17
Operator : MJB
Sample : 0A17019-CCV4
Misc : A19J409, 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: Jan 20 11:11:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.343min 70.962 ng/mL

response 10118507

MJB
1/20/20

(26) 2,4'-DDE #2

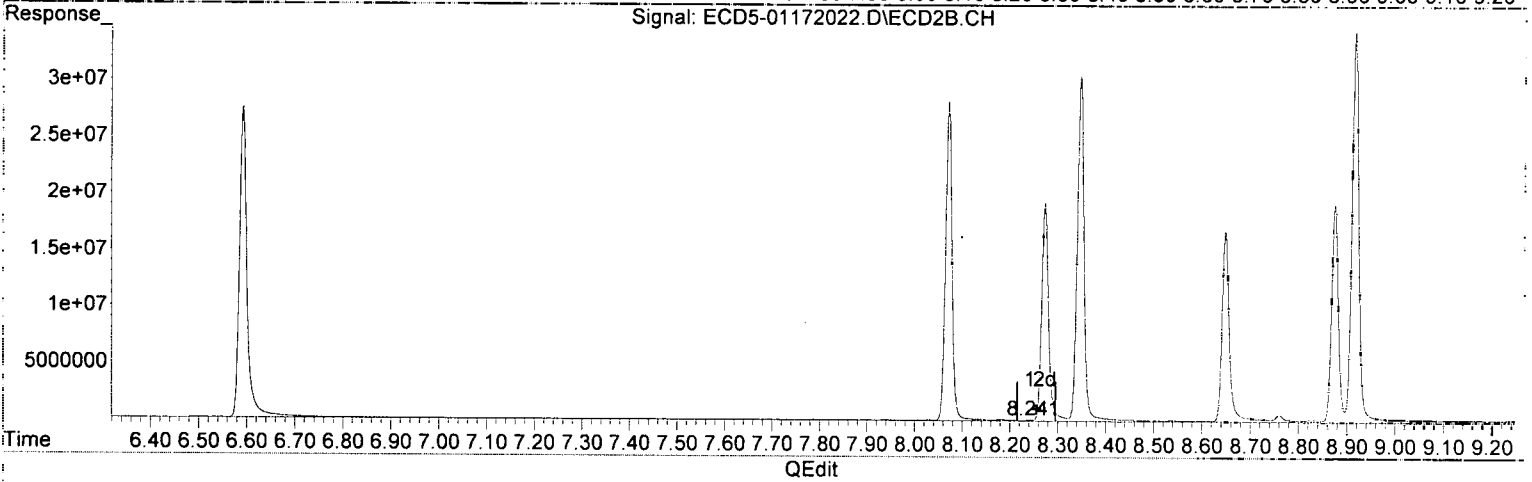
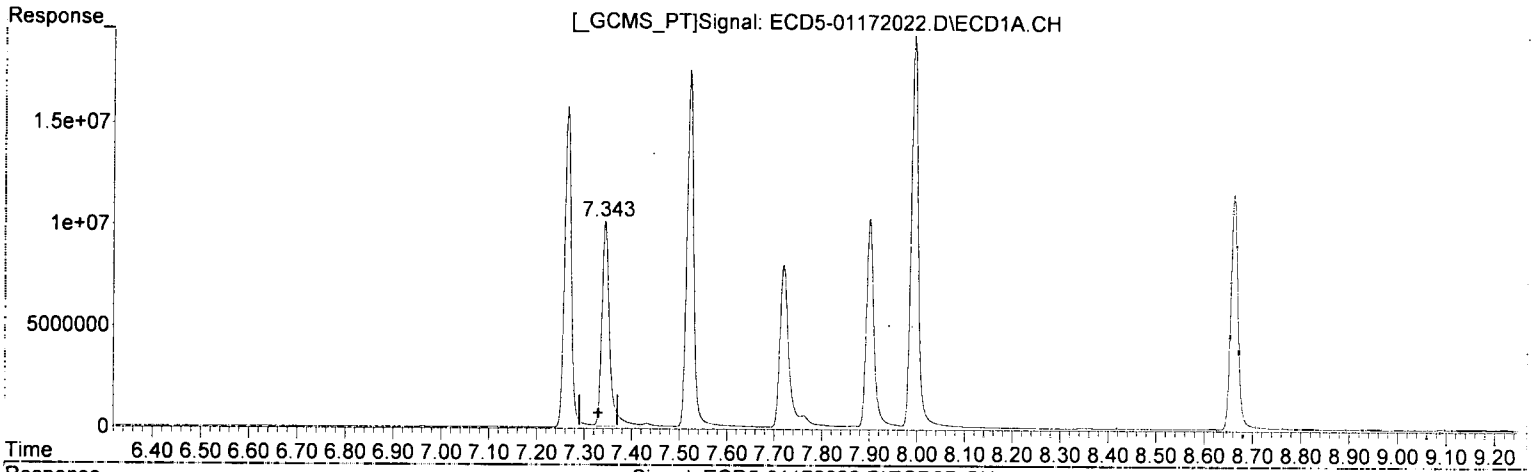
8.272min 91.150 ng/mL(m)

response 19195419

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 17:17
Operator : MJB
Sample : 0A17019-CCV4
Misc : A19J409, 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: Jan 20 11:11:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.343min 70.962 ng/mL
response 10118507

MJB
1/20/20

~~(26) 2,4'-DDE #2
8.242min 0.160 ng/mL
response 32766~~

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 17:17
 Operator : MJB
 Sample : 0A17019-CCV4
 Misc : A19J409, 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: Jan 20 11:11:41 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

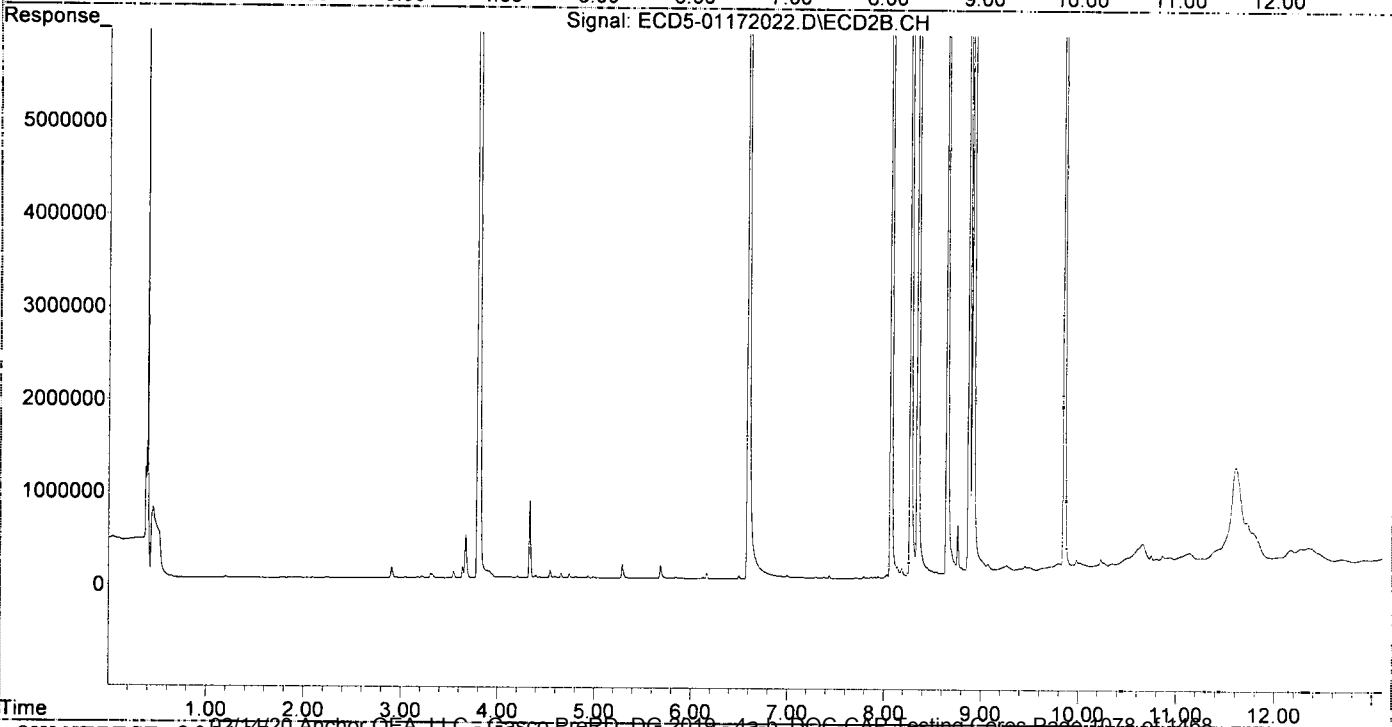
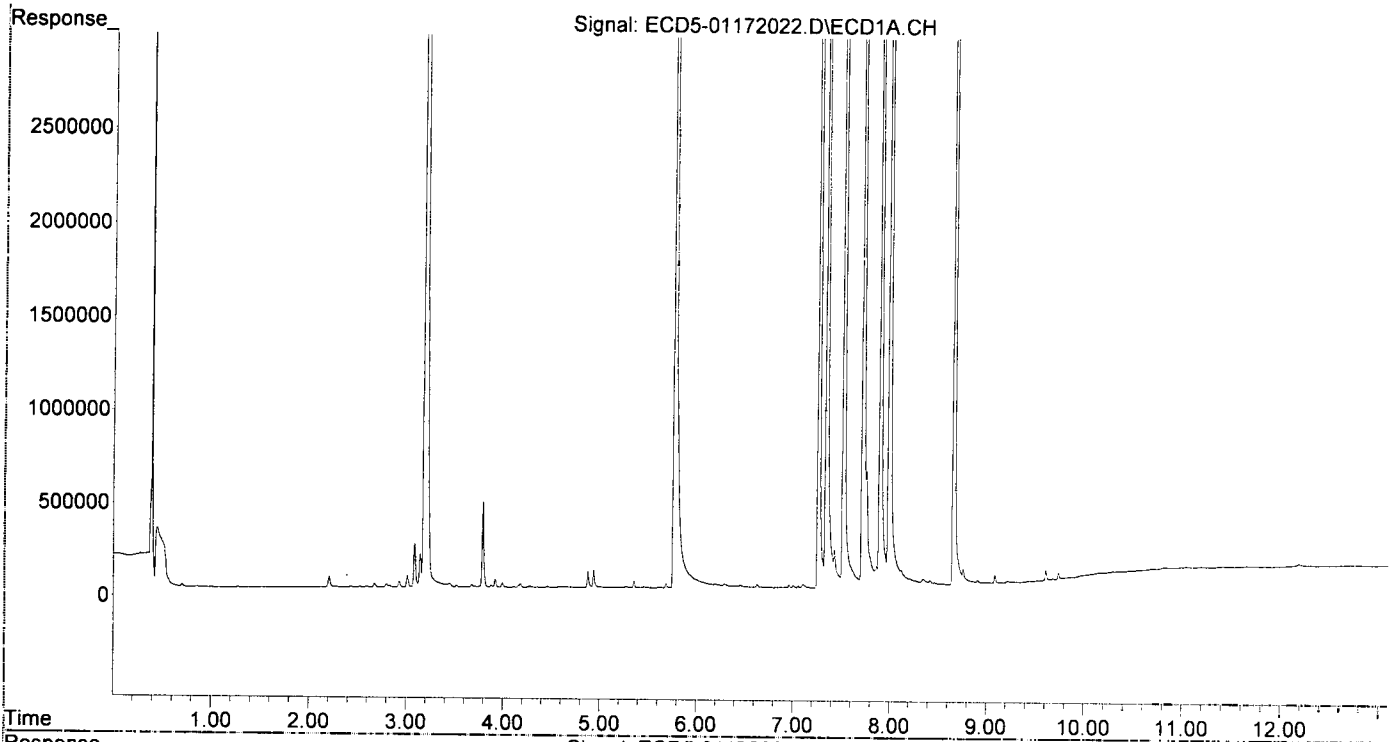
MJB
MJB
1/20/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.355f	6.127	37239	10844	0.191	0.036 #
22) S DCBP (S)	9.612	10.744	58962	129721	0.239	0.729 #
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	6.196	7.051	21837	3500	0.094	0.010 #
4) b-BHC	6.294	7.119	21860	7108	0.055	0.044
5) Heptachlor	6.632	7.433	21134	29673	0.093	0.084
6) d-BHC	6.455	7.377	14463	14817	0.066	0.102 #
7) Aldrin	0.000	7.707	0	6907	N.D.	0.021 #
8) Heptachlo...	7.343	8.139	10118507	108602	49.082	0.353 #
9) trans-Chl...	7.432	8.273	203953	19161138	0.968	61.447 #
10) cis-Chlor...	7.522	8.347f	17633610	30301357	86.174	102.146
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	8.648	0	16738598	N.D.	54.183 #
14) Endrin	7.993f	8.875	19312913	19053115	111.624	81.089
15) 4,4'-DDD	7.993	8.917	19312913	34205776	111.859	139.157
16) Endosulfa...	8.122	0.000	83237	0	0.488	N.D. #
17) 4,4'-DDT	0.000	9.143	0	12704	N.D.	0.089 #
18) Endrin Al...	8.418	9.261	25051	53368	0.164	0.239 #
19) Endosulfa...	0.000	9.452	0	43893	N.D.	0.198 #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.912	9.852	17023	18344874	0.089	73.253 #
23) Hexachlor...	3.187	3.797	18643843	40781131	93.478	101.768
24) Hexachlor...	5.769	6.592	14288832	27494495	73.964	85.893
25) Oxychlordane	7.264	8.071	15776516	28076660	89.326	100.384
26) 2,4'-DDE	7.343	8.242	10118507	33766	70.962 ^{Q-3}	0.160 #
27) trans-Non...	7.522	8.347	17633610	30301357	88.104	98.545
28) 2,4'-DDD	7.719	8.648	8038246	16738598	63.177 ^{Q-3}	90.754 #
29) 2,4'-DDT	7.900	8.875	10298618	19053115	70.309 ^{Q-3}	88.813
30) cis-Nonac...	7.993	8.917	19312913	34205776	81.940	100.269
31) Mirex	8.662	9.852	11641523	18344874	87.198	95.934
32) Chlordane...	7.432	8.273	203953	19161138	8.693	492.613 #
33) Chlordane...	7.522	0.000	17633610	0	611.837	N.D. #
34) Chlordane...	0.000	9.069	0	64950	N.D.	6.117 #
35) Chlordane...	3.790f	3.797	456967	40781131	NoCal	NoCal
36) Toxaphene...	7.522	8.648f	17633610	16738598	16742.540	6189.606 #
37) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
38) Toxaphene...	8.122	0.000	83237	0	15.756	N.D. #
39) Toxaphene...	8.350	9.069	30863	64950	7.639	7.196
40) Toxaphene...	0.000	9.261	0	53368	N.D.	10.627 #
41) Toxaphene...	8.662	0.000	11641523	0	2680.922	N.D. #
42) Toxaphene...	3.790f	3.797	456967	40781131	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 17:17
Operator : MJB
Sample : 0A17019-CCV4
Misc : A19J409, 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: Jan 20 11:11:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 17:34
 Operator : MJB
 Sample : 0A17019-CCB2
 Misc : A19L339
 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: Jan 20 11:11:48 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

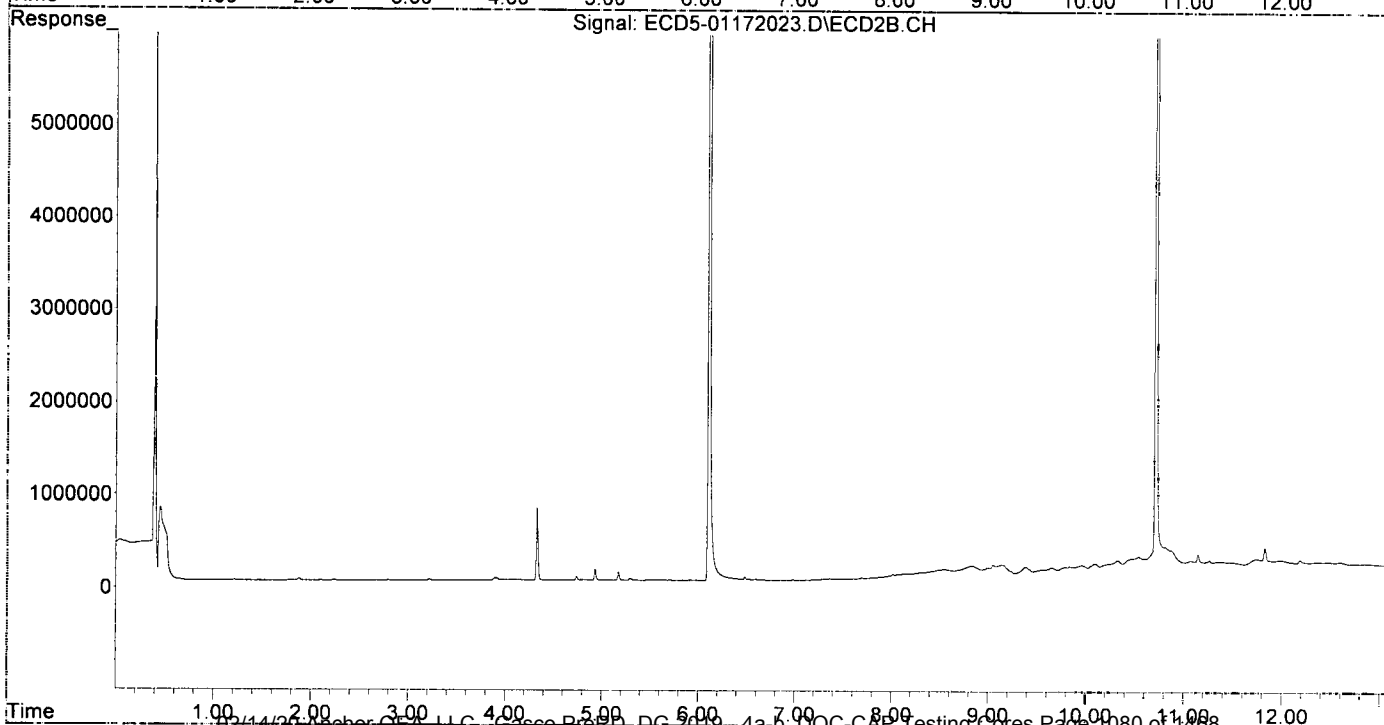
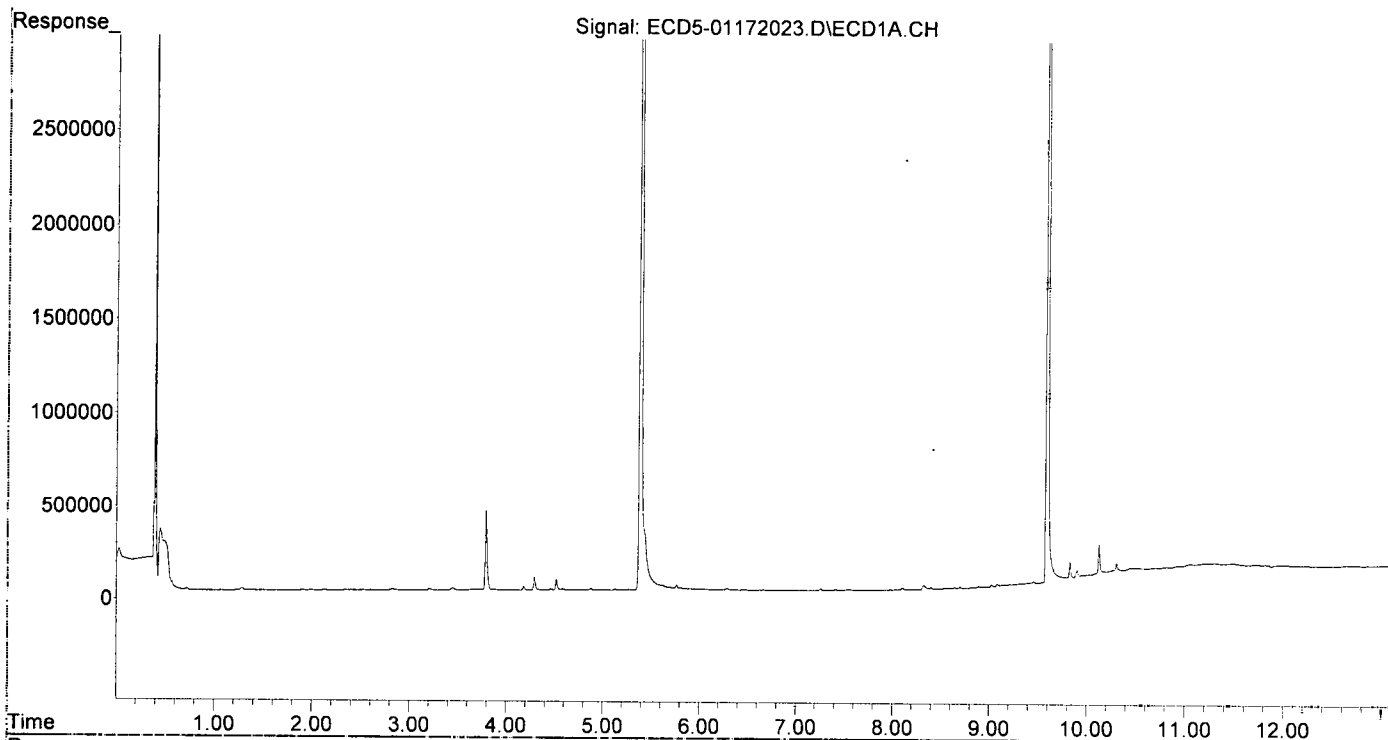
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.384	6.109	15905992	28731545	81.460	96.388
22) S DCBP (S)	9.589	10.717f	13173371	17477061	88.871	98.215
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.289	0.000	7472	0	5931.926	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	0.000	7.362	0	6923	N.D.	0.078 #
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...	7.410	8.295	5431	5998	0.026	0.019
10) cis-Chlor...	7.512	0.000	4285	0	0.021	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	8.627	0	3960	N.D.	0.013 #
14) Endrin	7.978	8.831f	2569	61424	0.015	0.261 #
15) 4,4'-DDD	7.978f	0.000	2569	0	0.015	N.D. #
16) Endosulfa...	8.105	9.004	12034	42513	0.071	0.174 #
17) 4,4'-DDT	0.000	9.144	0	84527	N.D.	0.425 #
18) Endrin Al...	8.398	0.000	9865	0	0.064	N.D. #
19) Endosulfa...	8.698	0.000	8043	0	0.050	N.D. #
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.892	9.834	4736	11024	0.025	0.044 #
23) Hexachlor...	3.206	0.000	9630	0	0.048	N.D. #
24) Hexachlor...	5.765	0.000	23808	0	BelowCal	N.D.
25) Oxychlorthane	7.258	0.000	10922	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.295f	0	5998	N.D.	0.028 #
27) trans-Non...	7.512	8.327	4285	3931	BelowCal	0.013
28) 2,4'-DDD	0.000	8.627	0	3960	N.D.	0.021 #
29) 2,4'-DDT	0.000	8.831f	0	61424	N.D.	0.229 #
30) cis-Nonac...	7.978	0.000	2569	0	0.011	N.D. #
31) Mirex	8.643	9.834	6160	11024	6723.002	BelowCal #
32) Chlordane...	7.410f	8.295	5431	5998	0.231	0.154
33) Chlordane...	7.547	0.000	4761	0	0.165	N.D. #
34) Chlordane...	8.105f	9.048	12034	81431	1.582	7.669 #
35) Chlordane...	3.791f	0.000	426746	0	NoCal	N.D.
36) Toxaphene...	7.512	8.627	4285	3960	4.068	1.464 #
37) Toxaphene...	0.000	8.985	0	42731	N.D.	12.270 #
38) Toxaphene...	8.105	9.004	12034	42513	BelowCal	4.347
39) Toxaphene...	8.325f	9.048f	21402	81431	5.297	9.022 #
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.643	9.659f	6160	29770	1.418	5.303 #
42) Toxaphene...	3.791	0.000	426746	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 17:34
Operator : MJB
Sample : 0A17019-CCB2
Misc : A19L339
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: Jan 20 11:11:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 19:07
 Operator : MJB
 Sample : 0010220-MSD1(45)
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 20 11:34:43 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

R-04
MJB
1/20/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.383	6.111	1903859	3227066	9.750	10.826
22) S DCBP (S)	9.602	10.738	2002341	3004441	13.250	16.884
Target Compounds						
2) a-BHC	5.911	6.725	28060	76421	0.107	0.185 #
3) g-BHC	6.224	7.070f	65200	40380	0.279	0.111 #
4) b-BHC	6.300	7.124	46933	161171	0.311	1.002 #
5) Heptachlor	6.635	7.449f	104150	104931	0.458	0.296 #
6) d-BHC	6.459	7.351	28510	103018	0.131	0.364 #
7) Aldrin	6.835f	7.686	241768	173750	1.096	0.522 #
8) Heptachlo...	7.329	8.116f	1749302	55765	8.485	0.181 #
9) trans-Chl...	7.402f	8.265	85269	2675563	0.405	8.580 #
10) cis-Chlor...	7.536	8.410f	384605	217592	1.880	0.734 #
11) Endosulfa...	0.000	8.410f	0	217592	N.D.	0.783 #
12) 4,4'-DDE	7.582	8.487	2735778	4465196	13.269	15.105 #
13) Dieldrin	7.777	8.640	35031	2599515	0.163	8.415 #
14) Endrin	7.972	8.868	812546	2725555	4.696	11.600 #
15) 4,4'-DDD	8.005	8.906	2332593	3930612	13.510	15.991 #
16) Endosulfa...	8.110	9.000	111666	255055	0.654	1.044 #
17) 4,4'-DDT	8.204	9.135	2422279	3507714	14.622	15.987 #
18) Endrin Al...	8.396	9.262	172825	518749	1.129	2.320 #
19) Endosulfa...	8.710	9.462	5254986	1278218	32.836	5.766 #
20) Methoxychlor	8.582f	9.587f	1236029	279282	14.271	2.348 #
21) Endrin Ke...	8.879f	9.844	499698	726439	2.617	2.901 #
23) Hexachlor...	3.208	3.776f	66686	212119	0.334	0.529 #
24) Hexachlor...	5.785	6.591	41371	75754	0.059	0.237 #
25) Oxychlordane	7.241	8.056	140035	444696	0.599	1.590 #
26) 2,4'-DDE	7.329	8.265	1749302	2675563	12.268	12.705 #
27) trans-Non...	7.536f	8.312	384605	61707	1.783	0.201 #
28) 2,4'-DDD	7.704	8.640	1544526	2604523	12.139	14.121m #
29) 2,4'-DDT	7.887	8.868	1835982	2725555	12.534	14.334 #
30) cis-Nonac...	7.972	8.906	812546	3930612	3.447	11.522 #
31) Mirex	8.623f	9.844	193174	726439	1.186	3.924 #
32) Chlordane...	7.466f	8.265	88672	2675563	3.779	68.786 #
33) Chlordane...	7.536	8.410f	384605	217592	13.345	6.779 #
34) Chlordane...	8.090	9.046	149493	125954	19.650	11.863 #
35) Chlordane...	3.792f	3.776f	2539831	212119	NoCal	NoCal
36) Toxaphene...	7.536f	8.622	384605	1415621	365.170	523.469 #
37) Toxaphene...	7.823	8.945f	173755	681013	89.349	195.550 #
38) Toxaphene...	8.110	9.000	111666	255055	22.556	45.723 #
39) Toxaphene...	8.320f	9.075	93072	191509	23.037	21.218 #
40) Toxaphene...	8.582	9.262	1236029	518749	375.947	103.296 #
41) Toxaphene...	8.623f	9.649	193174	1361541	44.486	242.519 #
42) Toxaphene...	3.792	3.776f	2539831	212119	NoCal	NoCal

S04

MDL-MRL

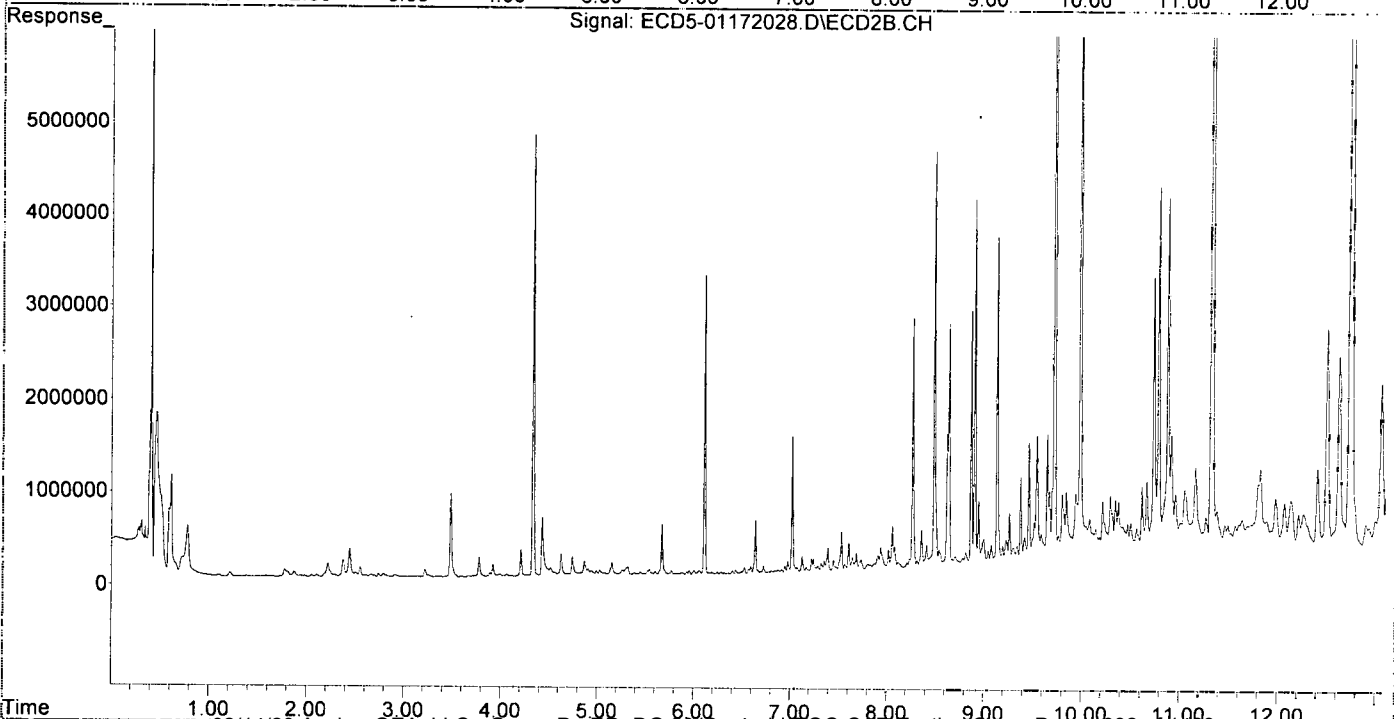
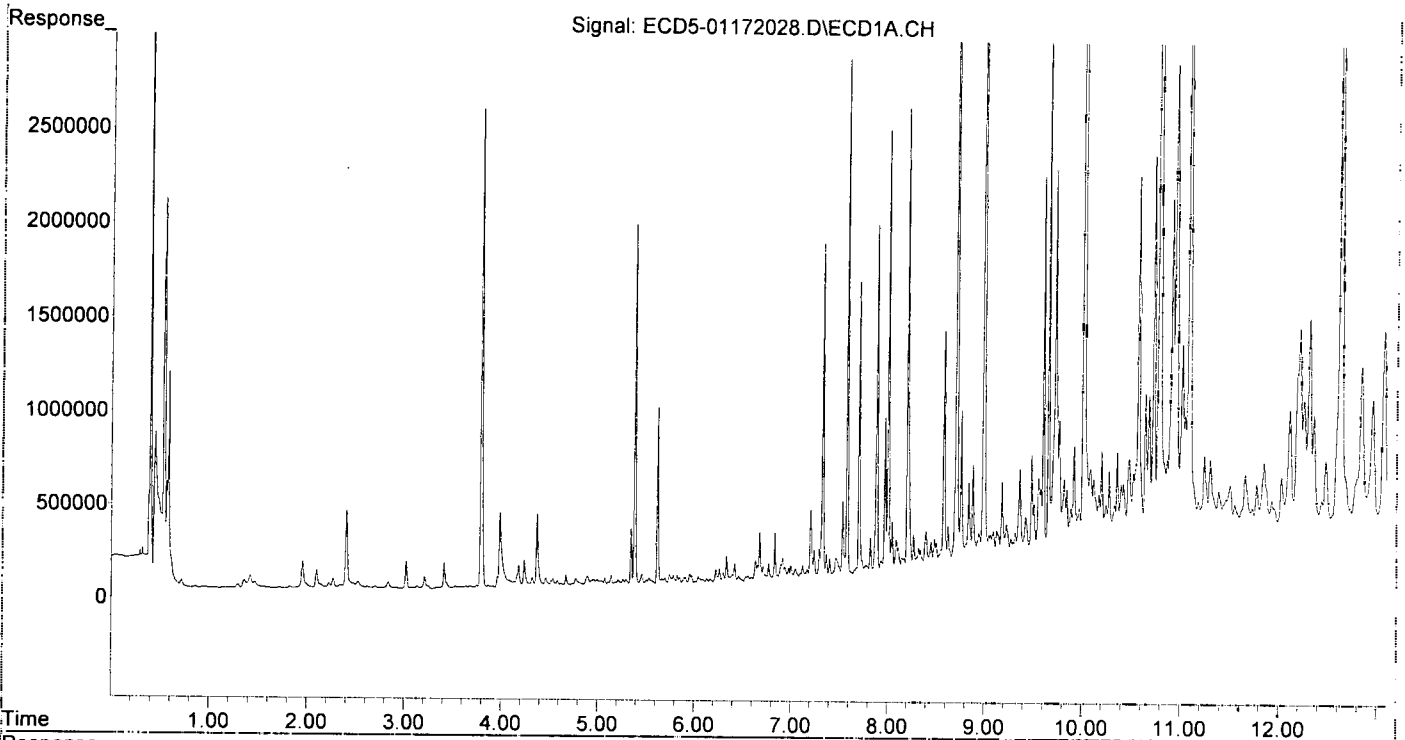
MPL-MRL

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:07
Operator : MJB
Sample : 0010220-MSD1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

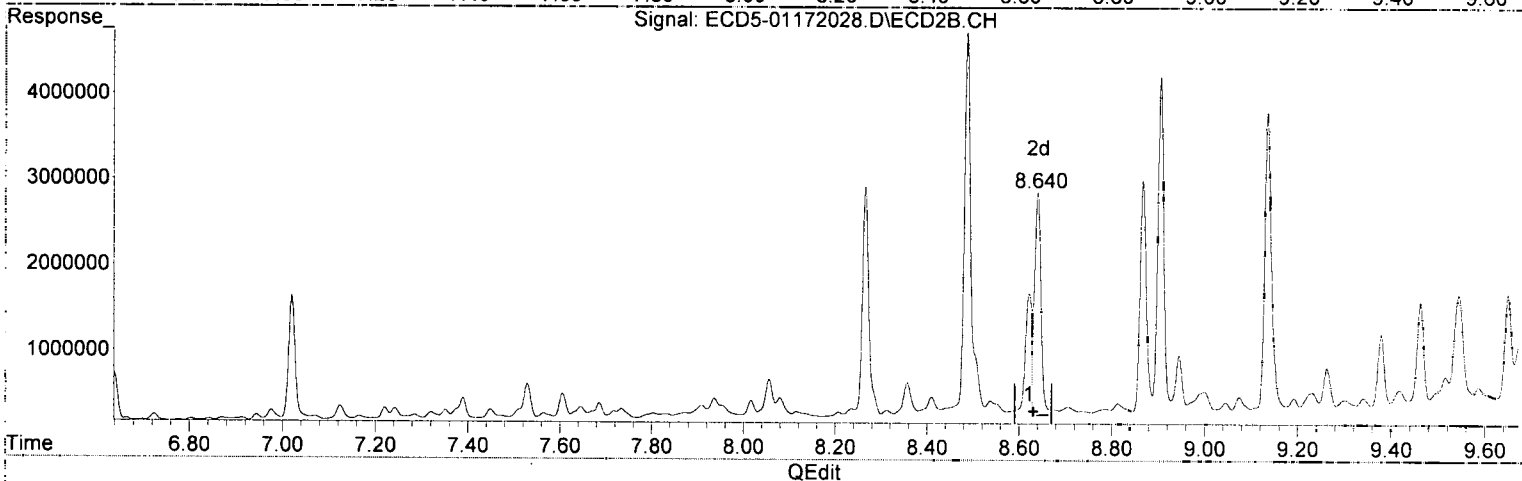
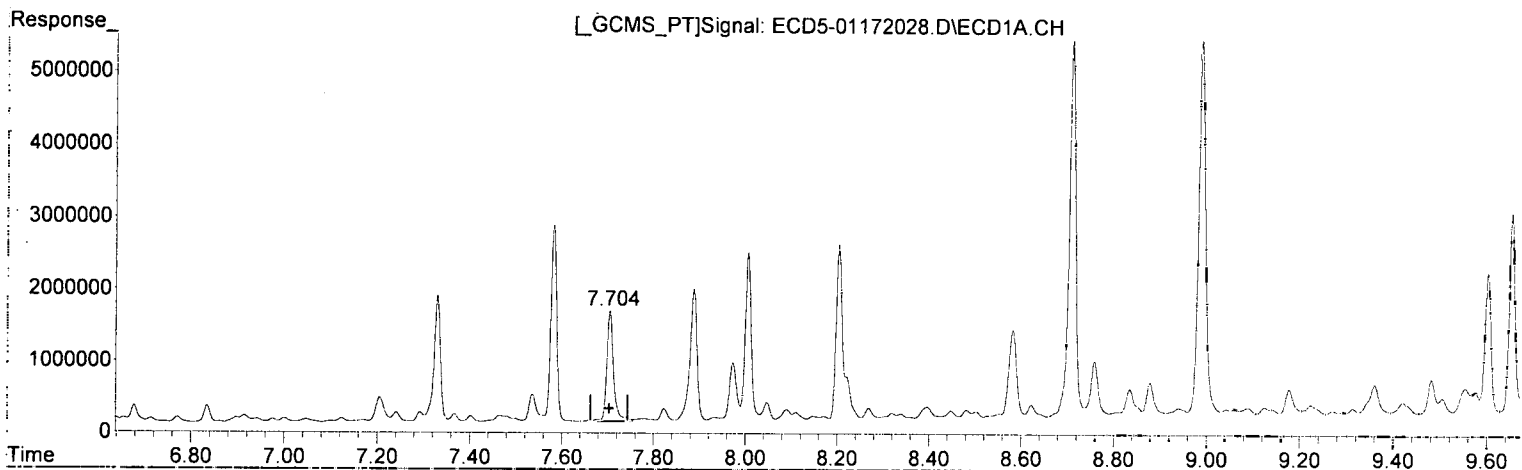
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 20 11:34:43 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:07
Operator : MJB
Sample : 0010220-MSD1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.704min 12.139 ng/mL
response 1544526

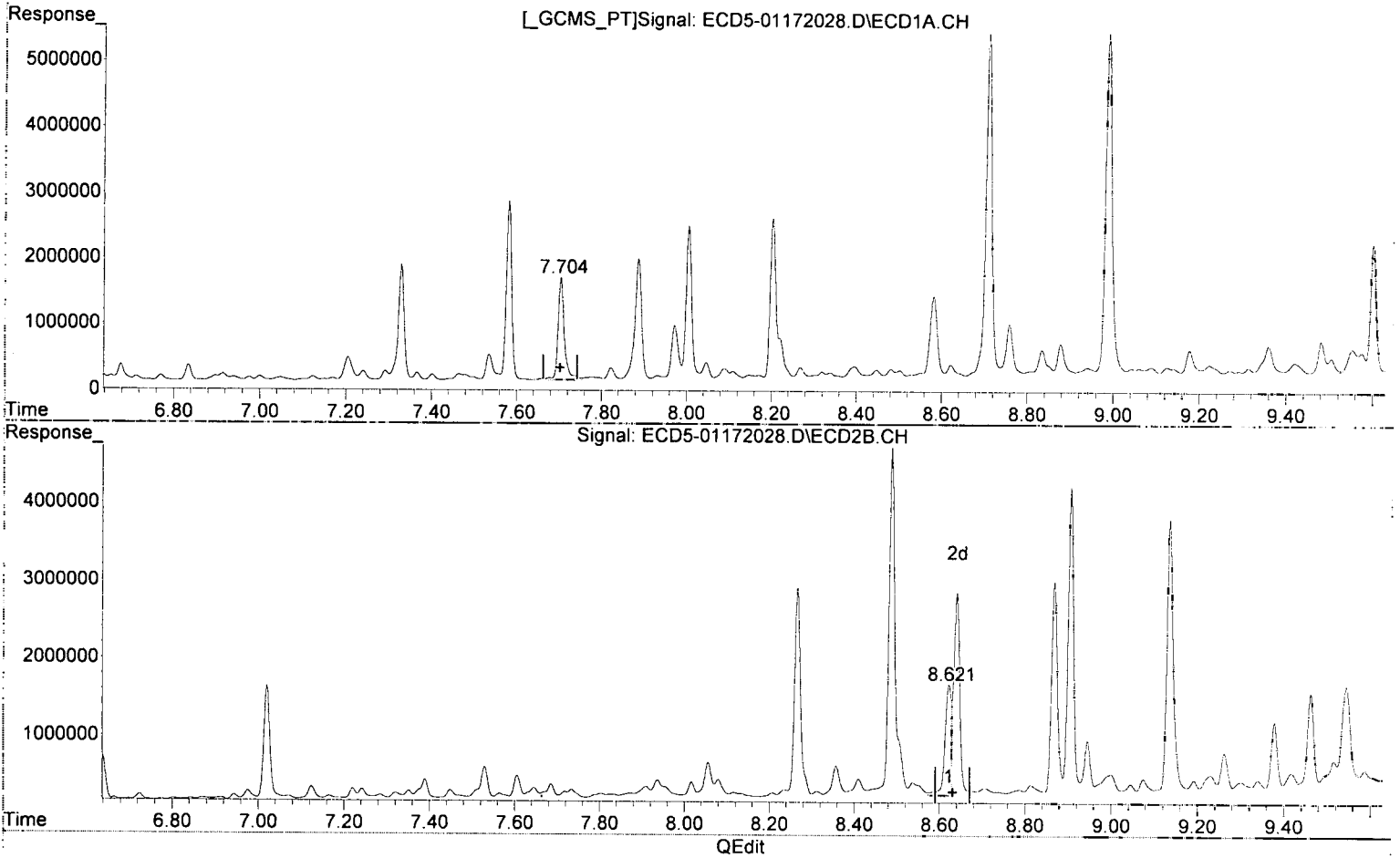
MJB
1/20/20

(28) 2,4'-DDD #2
8.640min 14.121 ng/mL
response 2604523

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:07
Operator : MJB
Sample : 0010220-MSD1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.704min 12.139 ng/mL
response 1544526

*MJB
1/24/20*

(28) 2,4'-DDD #2
8.622min 7.675 ng/mL
response 1415621

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 19:07
 Operator : MJB
 Sample : 0010220-MSD1@5
 Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 20 11:12:09 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

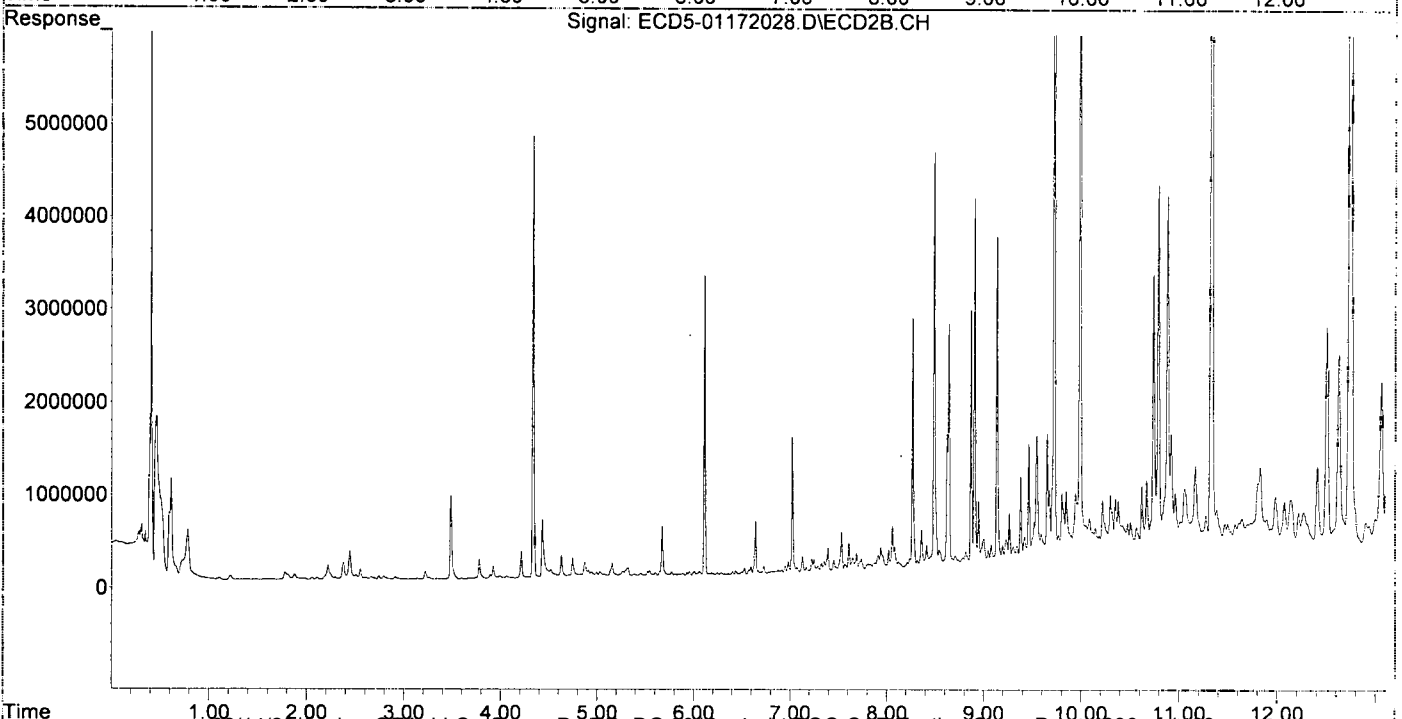
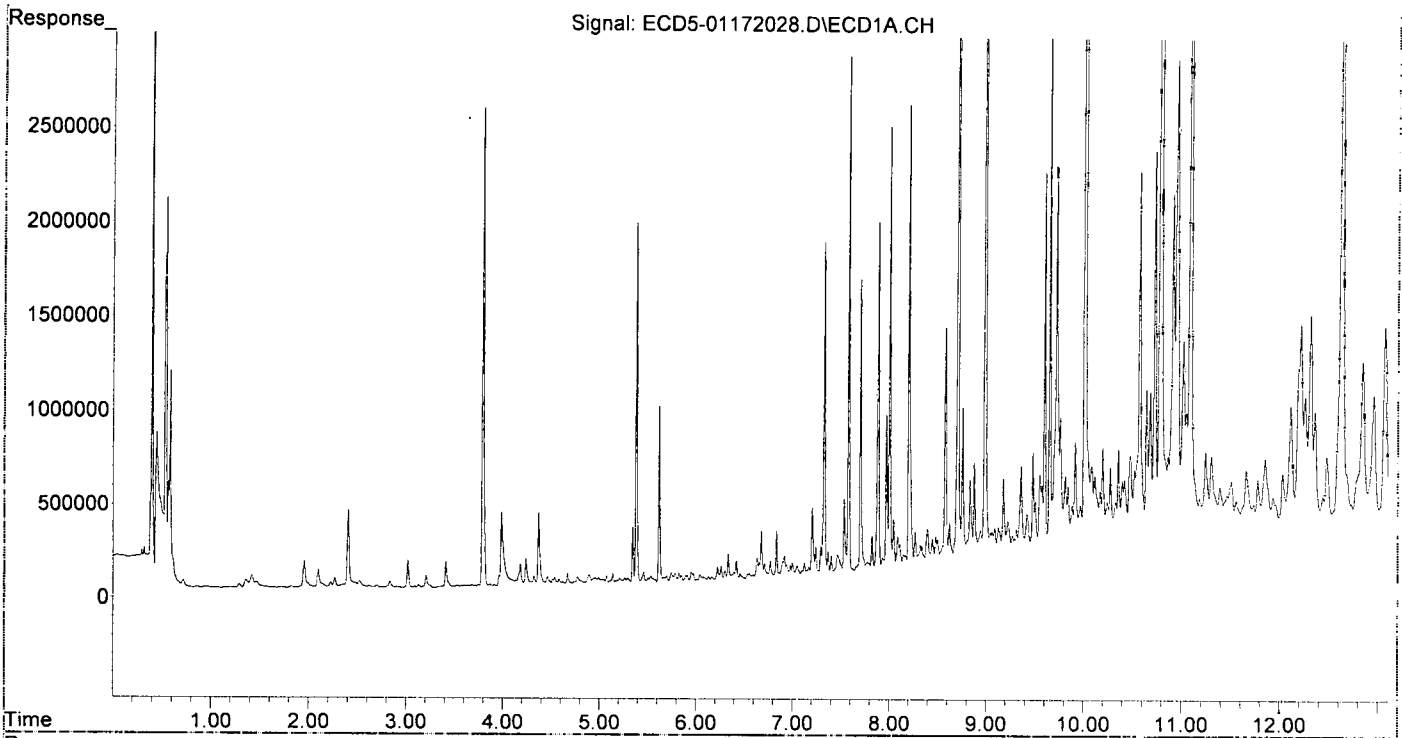
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.383	6.111	1903859	3227066	9.750	10.826
22) S DCBP (S)	9.602	10.738	2002341	3004441	13.250	16.884
Target Compounds						
2) a-BHC	5.911	6.725	28060	76421	0.107	0.185 #
3) g-BHC	6.224	7.070f	65200	40380	0.279	0.111 #
4) b-BHC	6.300	7.124	46933	161171	0.311	1.002 #
5) Heptachlor	6.635	7.449f	104150	104931	0.458	0.296
6) d-BHC	6.459	7.351	28510	103018	0.131	0.364 #
7) Aldrin	6.835f	7.686	241768	173750	1.096	0.522 #
8) Heptachlo...	7.329	8.116f	1740302	55765	8.485	0.181 #
9) trans-Chl...	7.402f	8.265	85269	2675563	0.405	8.580 #
10) cis-Chlor...	7.536	8.410f	384605	217592	1.880	0.734 #
11) Endosulfa...	0.000	8.410f	0	217592	N.D.	0.783 #
12) 4,4'-DDE	7.582	8.487	2735778	4465196	13.269	15.105
13) Dieldrin	7.777	8.640	35031	2599515	0.163	8.415 #
14) Endrin	7.972	8.868	812546	2725555	4.696	11.600 #
15) 4,4'-DDD	8.005	8.906	2332593	3930612	13.510	15.991
16) Endosulfa...	8.110	9.000	111666	255055	0.654	1.044 #
17) 4,4'-DDT	8.204	9.135	2422279	3507714	14.622	15.987
18) Endrin Al...	8.396	9.262	172825	518749	1.129	2.320 #
19) Endosulfa...	8.710	9.462	5254986	1278218	32.836	5.766 #
20) Methoxychlor	8.582f	9.587f	1236029	279282	14.271	2.348 #
21) Endrin Ke...	8.879f	9.844	499698	726439	2.617	2.901
23) Hexachlor...	3.208	3.776f	66686	212119	0.334	0.529 #
24) Hexachlor...	5.785	6.591	41371	75754	0.059	0.237 #
25) Oxylordane	7.241	8.056	140035	444696	0.599	1.590 #
26) 2,4'-DDE	7.329	8.265	1749302	2675563	12.268	12.705
27) trans-Non...	7.536f	8.312	384605	61707	1.783	0.201 #
28) 2,4'-DDD	7.704	8.622	1544526	1415621	12.139	7.675
29) 2,4'-DDT	7.887	8.868	1835982	2725555	12.534	14.334
30) cis-Nonac...	7.972	8.906	812546	3930612	3.447	11.522 #
31) Mirex	8.623f	9.844	193174	726439	1.186	3.924 #
32) Chlordane...	7.466f	8.265	88672	2675563	3.779	68.786 #
33) Chlordane...	7.536	8.410f	384605	217592	13.345	6.779 #
34) Chlordane...	8.090	9.046	149493	125954	19.650	11.863
35) Chlordane...	3.792f	3.776f	2539831	212119	NoCal	NoCal
36) Toxaphene...	7.536f	8.622	384605	1415621	365.170	523.469 #
37) Toxaphene...	7.823	8.945f	173755	681013	89.349	195.550 #
38) Toxaphene...	8.110	9.000	111666	255055	22.556	45.723 #
39) Toxaphene...	8.320f	9.075	93072	191509	23.037	21.218
40) Toxaphene...	8.582	9.262	1236029	518749	375.947	103.296 #
41) Toxaphene...	8.623f	9.649	193174	1361541	44.486	242.519 #
42) Toxaphene...	3.792	3.776f	2539831	212119	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:07
Operator : MJB
Sample : 0010220-MSD1@5
Misc : 5x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:09 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 19:44
 Operator : MJB
 Sample : A9J0861-38RE2(2)
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 20 11:38:55 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

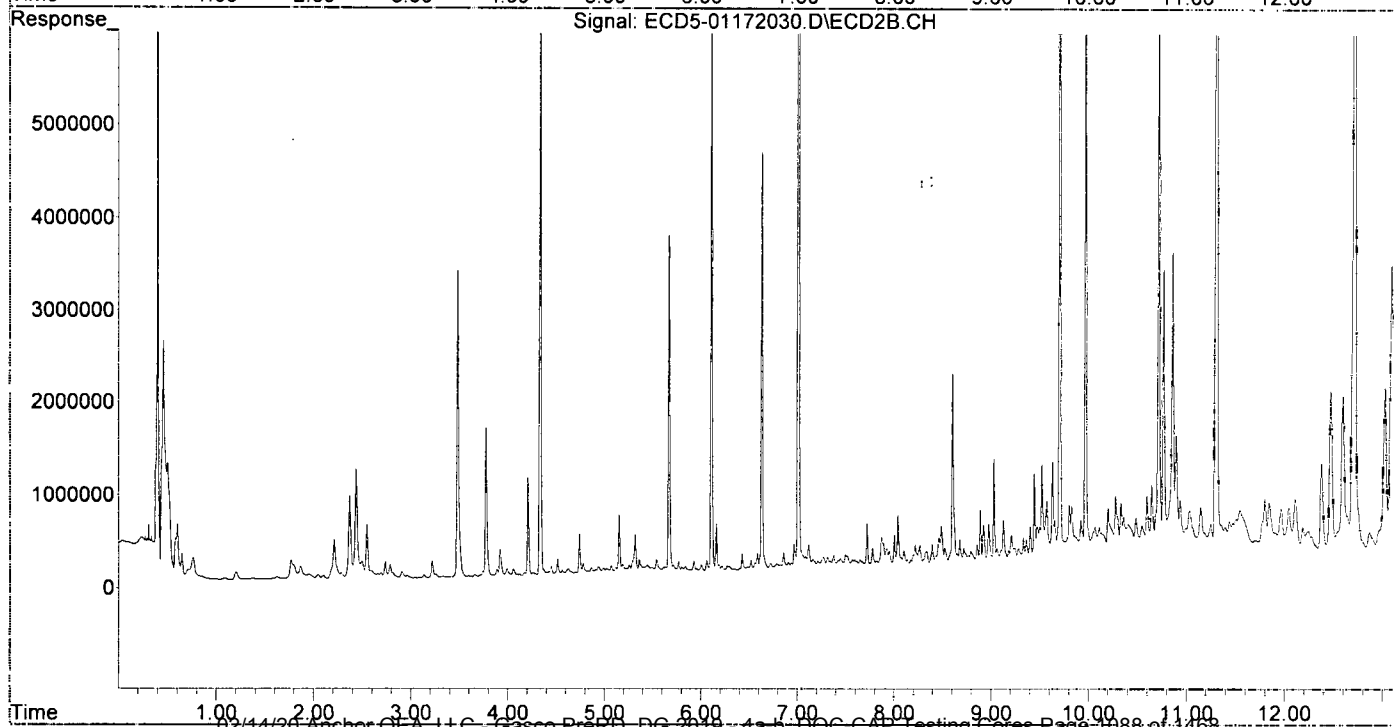
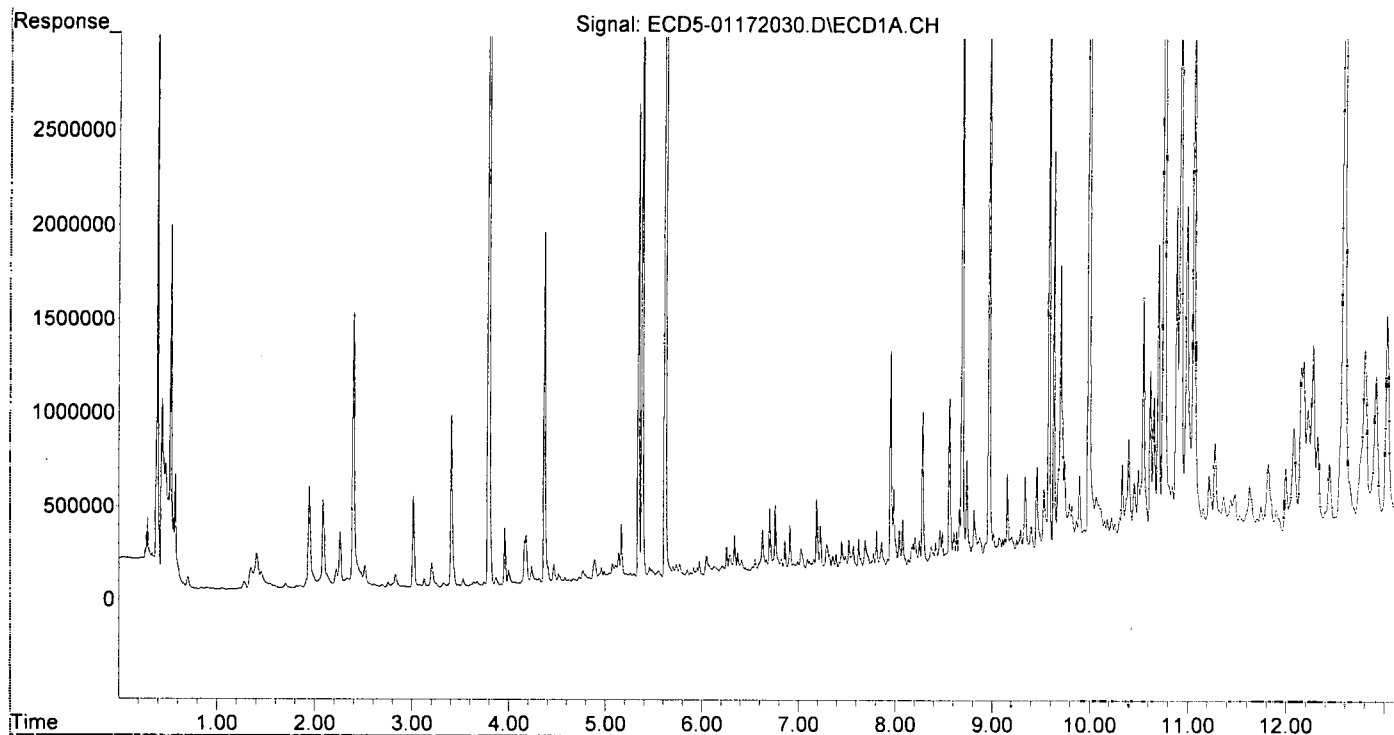
MJB
1/20/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.384	6.109	4460213	7831031	22.842	26.271
22) S DCBP (S)	9.587	10.720	4484116	6461586	29.928	36.312
Target Compounds						
2) a-BHC	5.914	6.721	39716	57764	0.151	0.140
3) g-BHC	6.212	7.085f	41515	110410	0.178	0.302 #
4) b-BHC	6.290	7.117	102567	243570	0.879	1.514 #
5) Heptachlor	6.630	7.420	223732	57895	0.985	0.163 #
6) d-BHC	6.449	7.375	25207	112669	0.116	0.393 #
7) Aldrin	6.860	7.721f	160878	457669	0.729	1.374 #
8) Heptachlo...	7.357f	8.138	66723	40290	0.324	0.131 #
9) trans-Chl...	7.449f	8.268	142251	192958	0.675	0.619
10) cis-Chlor...	7.523	8.395	147997	199632	0.723	0.673
11) Endosulfa...	7.626	8.462f	146768	260694	0.757	0.938
12) 4,4'-DDE	7.569f	8.489	114615	390418	0.556 ^{Q31}	1.373 # MDL=MDL
13) Dieldrin	7.810	8.653	193060	84507	0.896	0.274 #
14) Endrin	7.957	8.857	1136152	177722	6.567	0.756 #
15) 4,4'-DDD	7.991f	8.890	409321	544001	2.371 ^{Q31}	2.213m
16) Endosulfa...	8.138	9.031	27211	1099235	0.159	4.500 #
17) 4,4'-DDT	8.209	9.129	145615	430172	0.879 ^{Q31}	2.037 # R-02
18) Endrin Al...	8.421	9.246	104487	122431	0.682	0.548
19) Endosulfa...	8.695	9.446	4707558	914405	29.416	4.125 #
20) Methoxychlor	8.564	9.634	867781	1033721	10.020	8.692
21) Endrin Ke...	8.876f	9.859	109925	229179	0.576	0.915 #
23) Hexachlor...	3.206	3.774f	131304	1600363	0.658	3.994 #
24) Hexachlor...	5.770	6.585	64237	170264	0.178	0.532 #
25) Oxychlordane	7.229f	8.041	232409	517726	1.129	1.851 #
26) 2,4'-DDE	7.319	8.268	75985	192958	0.533m	0.916 #
27) trans-Non...	7.523	8.326	147997	115732	0.590	0.376
28) 2,4'-DDD	7.692	8.620	141415	480239	1.111 ^{Q21}	2.604m # R-02
29) 2,4'-DDT	7.862f	8.857	128796	177722	0.879	0.861
30) cis-Nonac...	7.991	8.891	409321	543668	1.737	1.594
31) Mirex	8.636	9.829	153925	552801	0.895	2.925 #
32) Chlordane...	7.449	8.268	142251	192958	6.063	4.961
33) Chlordane...	7.523	8.395	147997	199632	5.135	6.219
34) Chlordane...	8.080	9.061	243201	125826	31.968	11.851 #
35) Chlordane...	3.792f	3.774f	5804661	1600363	NoCal	NoCal
36) Toxaphene...	7.523	8.605	147997	2029430	140.518	750.444 #
37) Toxaphene...	7.810	8.978	193060	393434	99.277	112.973
38) Toxaphene...	8.138f	9.031f	27211	1099235	2.351	207.293 #
39) Toxaphene...	8.374	9.061	84930	125826	21.022	13.941
40) Toxaphene...	8.608f	9.246	148169	122431	45.067	24.379 #
41) Toxaphene...	8.666	9.634	272737	1033721	62.809	184.127 #
42) Toxaphene...	3.792	3.774f	5804661	1600363	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

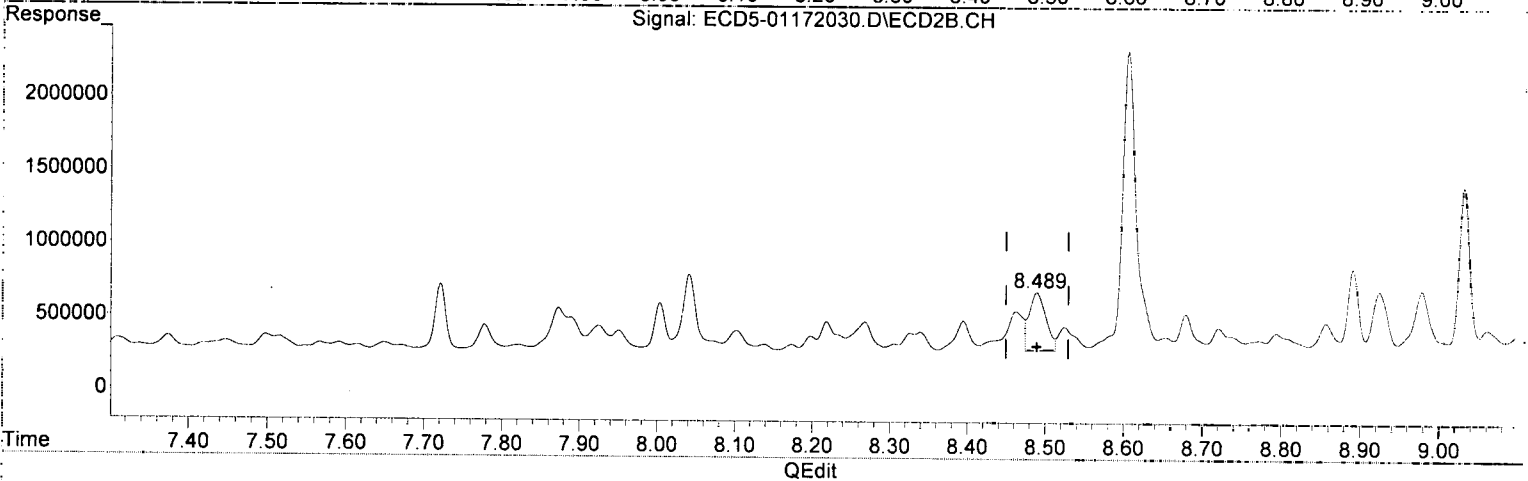
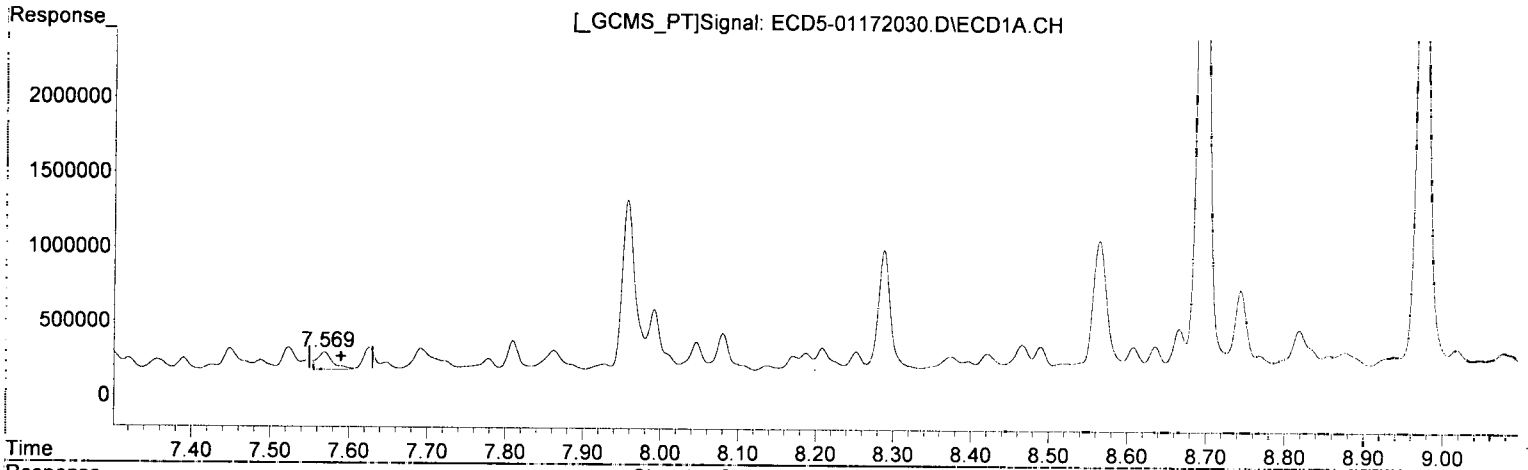
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 20 11:38:55 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.569min 0.556 ng/mL *Q-31*
response 114615

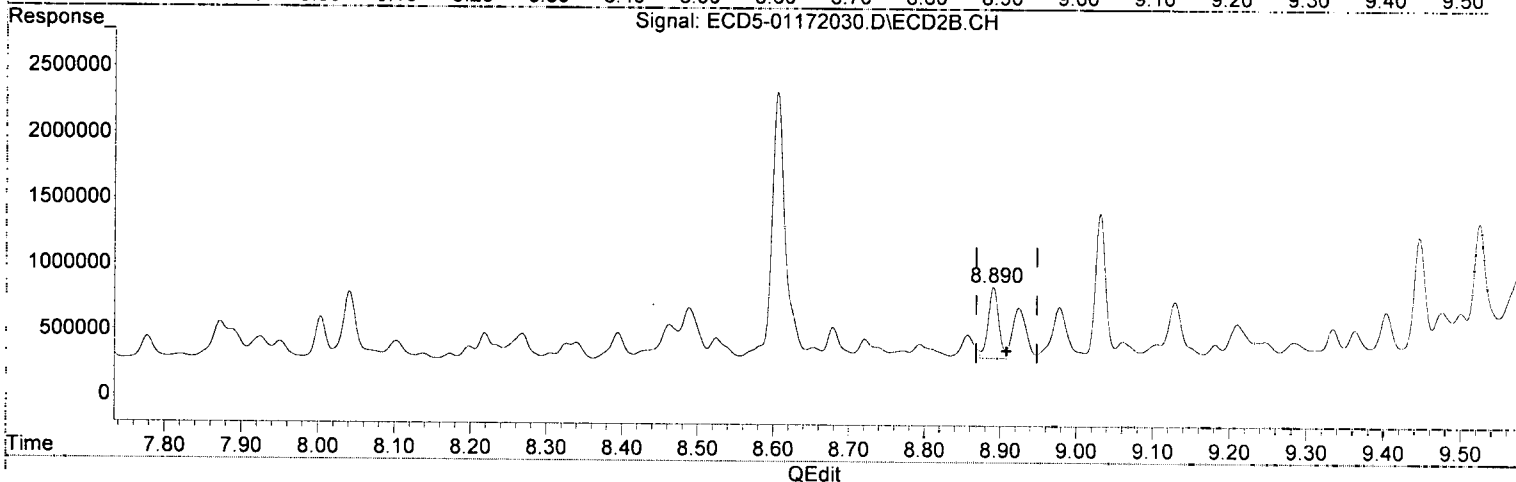
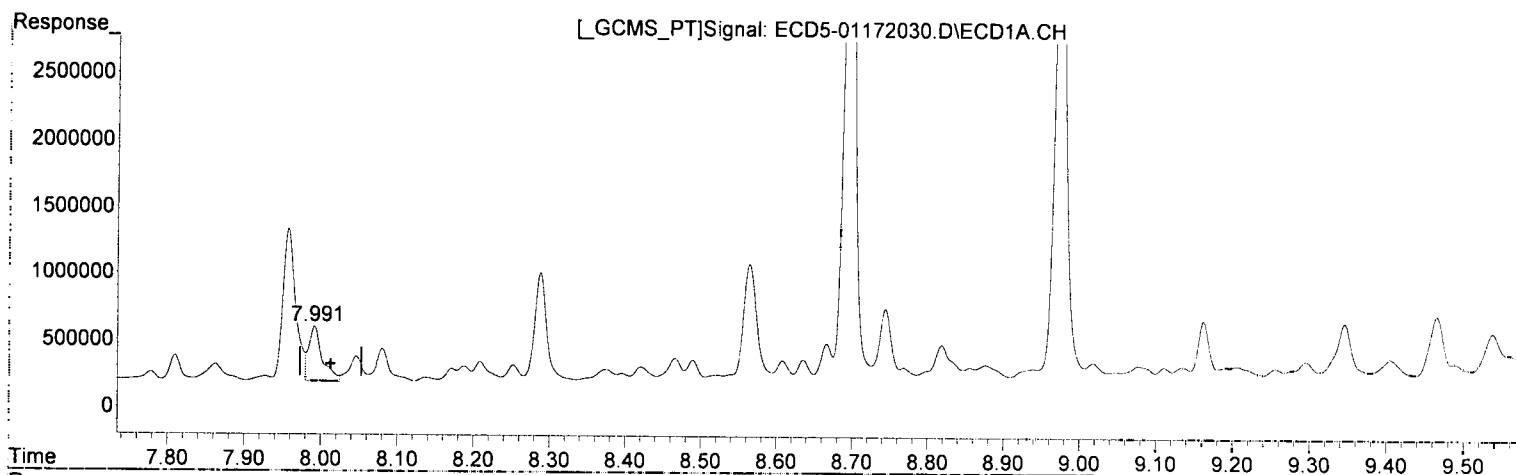
MJB 1/20/20

(12) 4,4'-DDE #2
8.489min 1.373 ng/mL *MDL-MKL*
response 390418

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD

7.991min 2.371 ng/mL Q-31

response 409321

MJB 1/20/20

(15) 4,4'-DDD #2

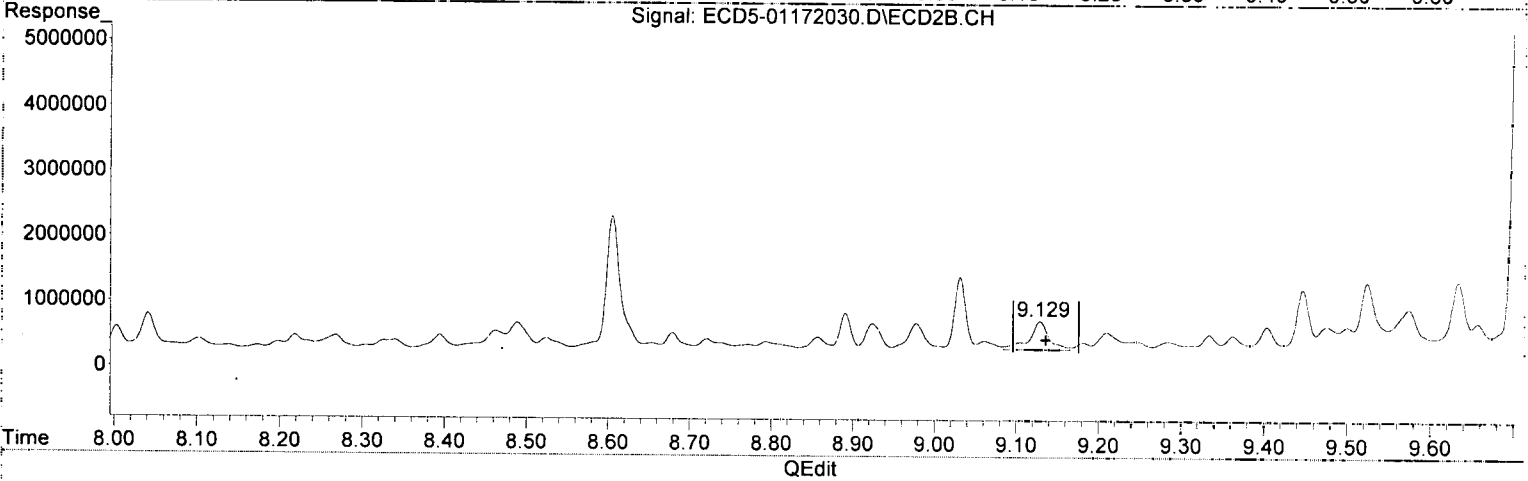
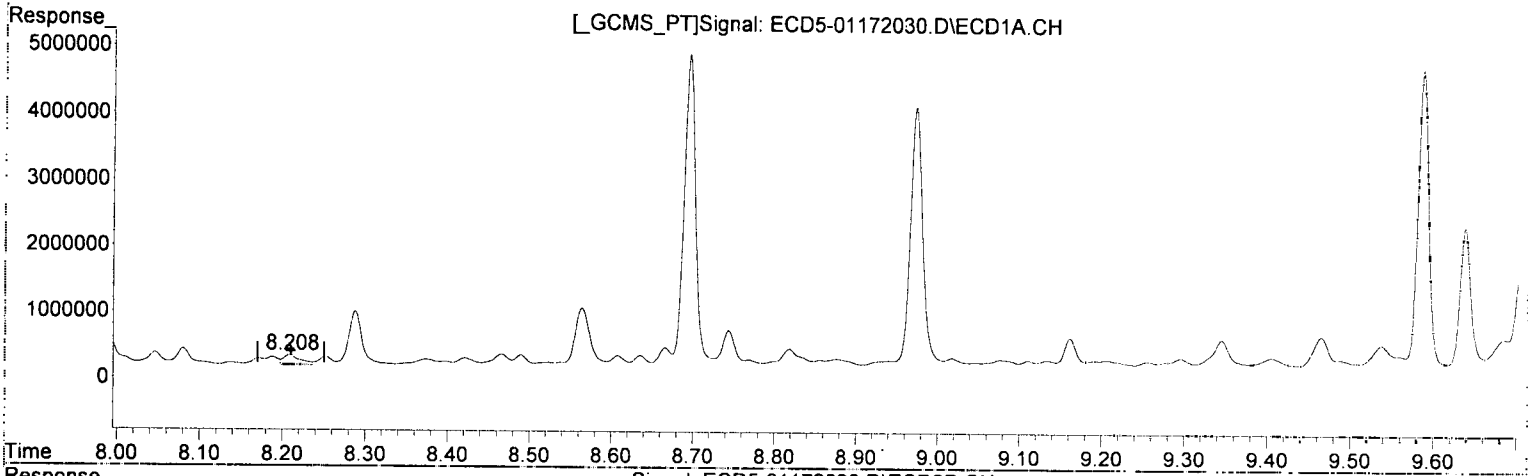
8.890min 2.213 ng/mL (m)

response 544001

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.209min 0.879 ng/mL Q-31
response 145615

WP 1/20/20

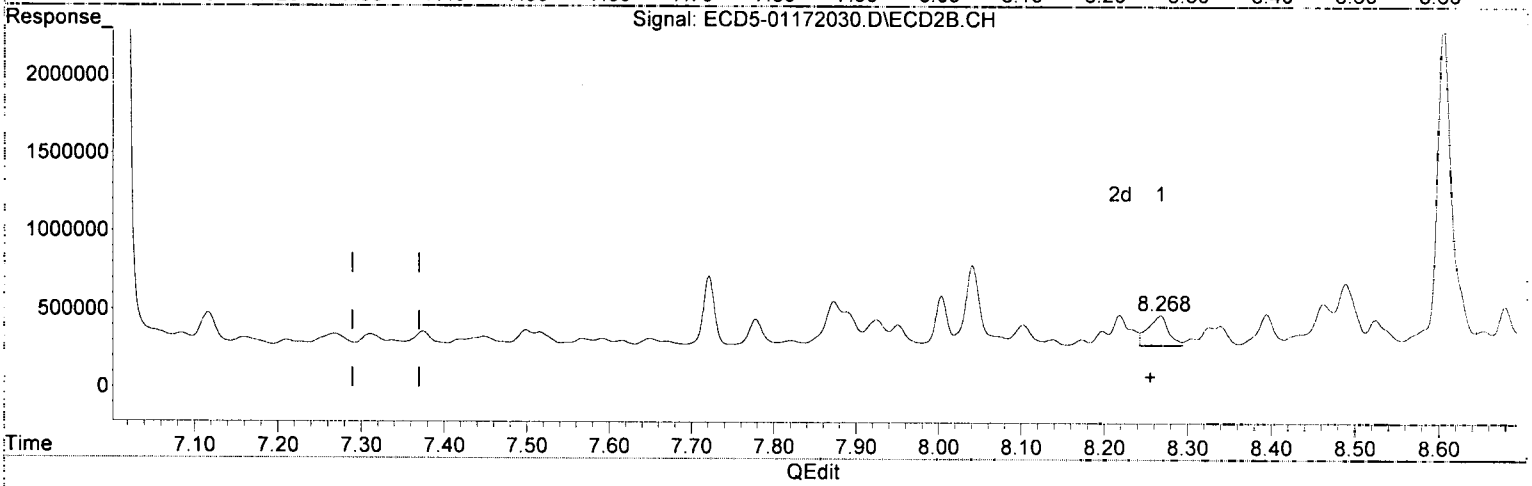
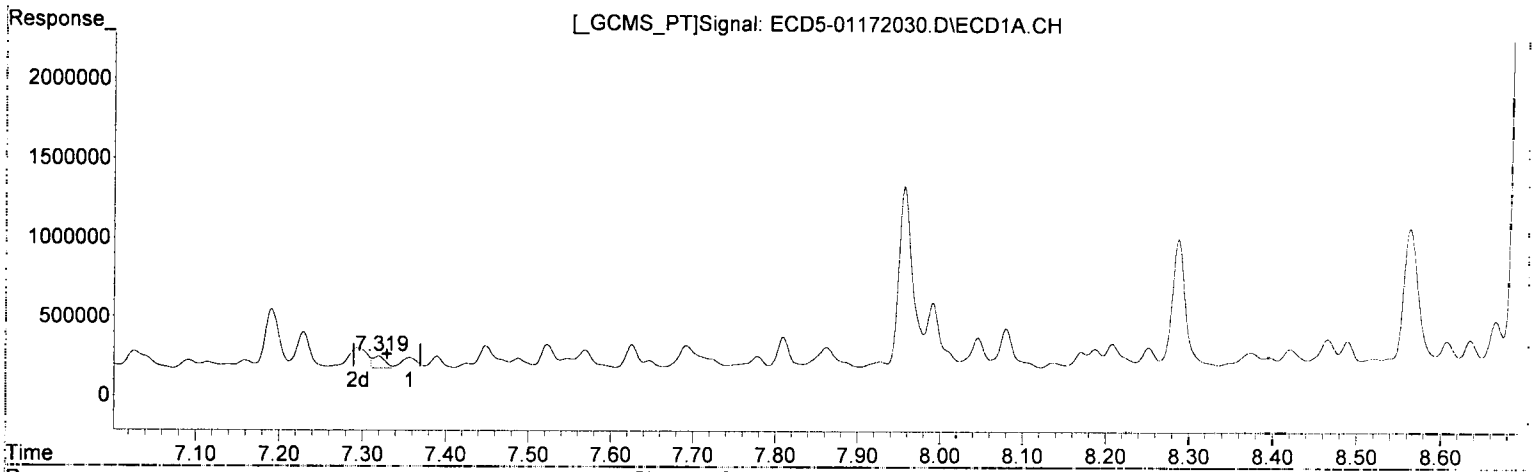
(17) 4,4'-DDT #2

9.129min 2.037 ng/mL P.02
response 430172

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
7.319min 0.533 ng/mL (m)
response 75985

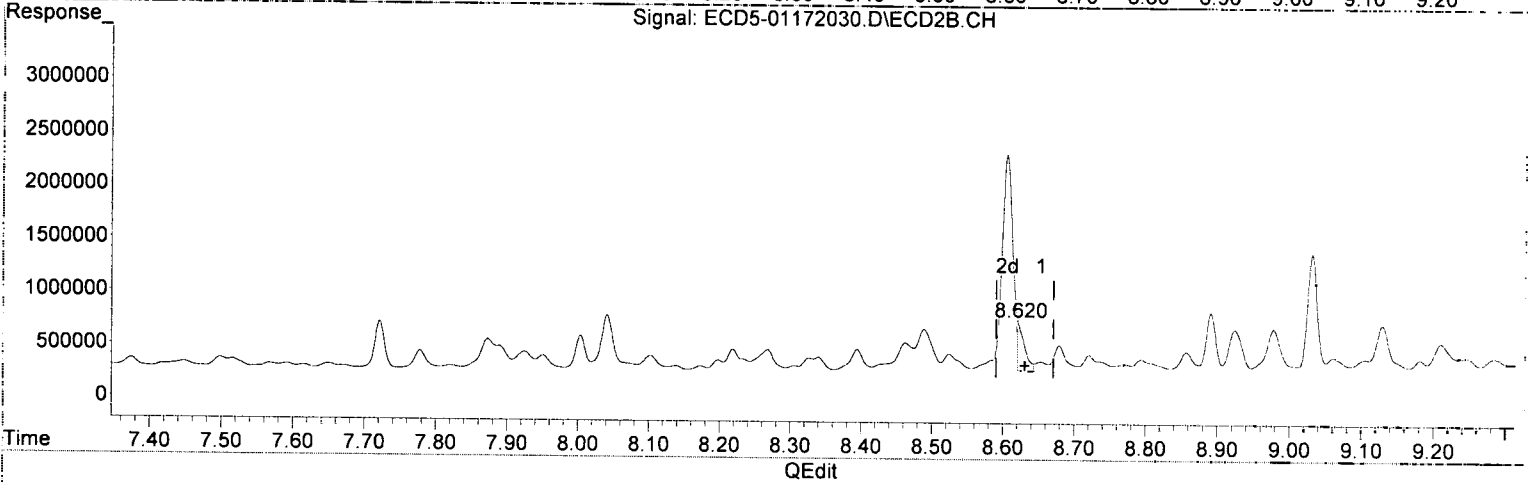
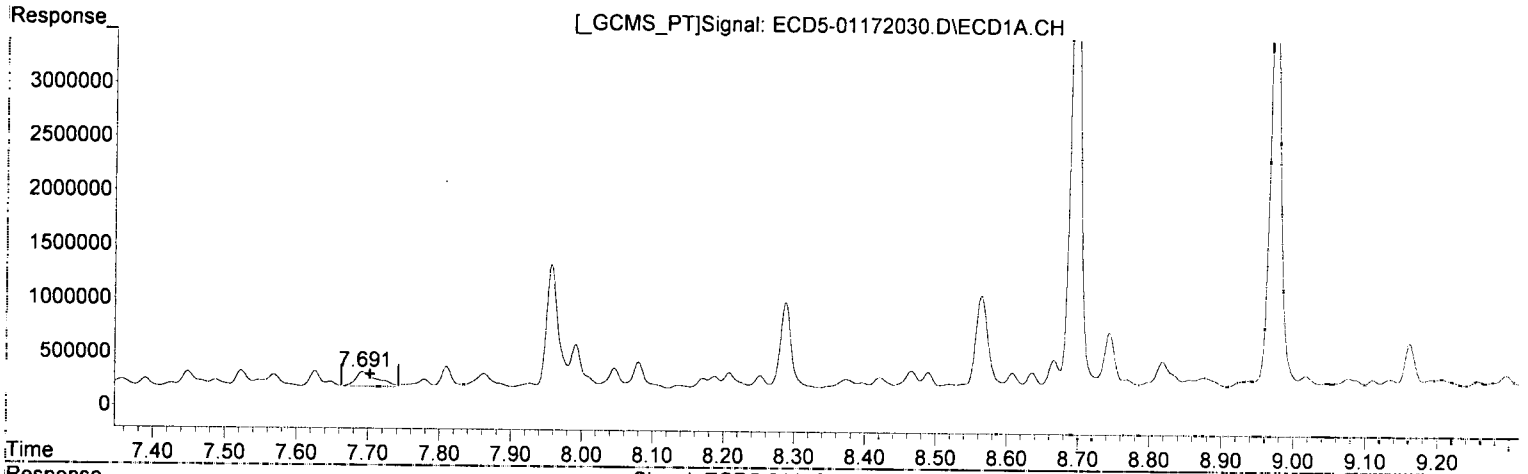
WB
1/20/20

(26) 2,4'-DDE #2
8.268min 0.916 ng/mL
response 192958

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.692min 1.111 ng/mL *Q-1a*
response 141415

MJB
1/20/20

(28) 2,4'-DDD #2

8.620min 2.604 ng/mL *Q-02*
response 480239

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 19:44
 Operator : MJB
 Sample : A9J0861-38RE2@2
 Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 20 11:12:15 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

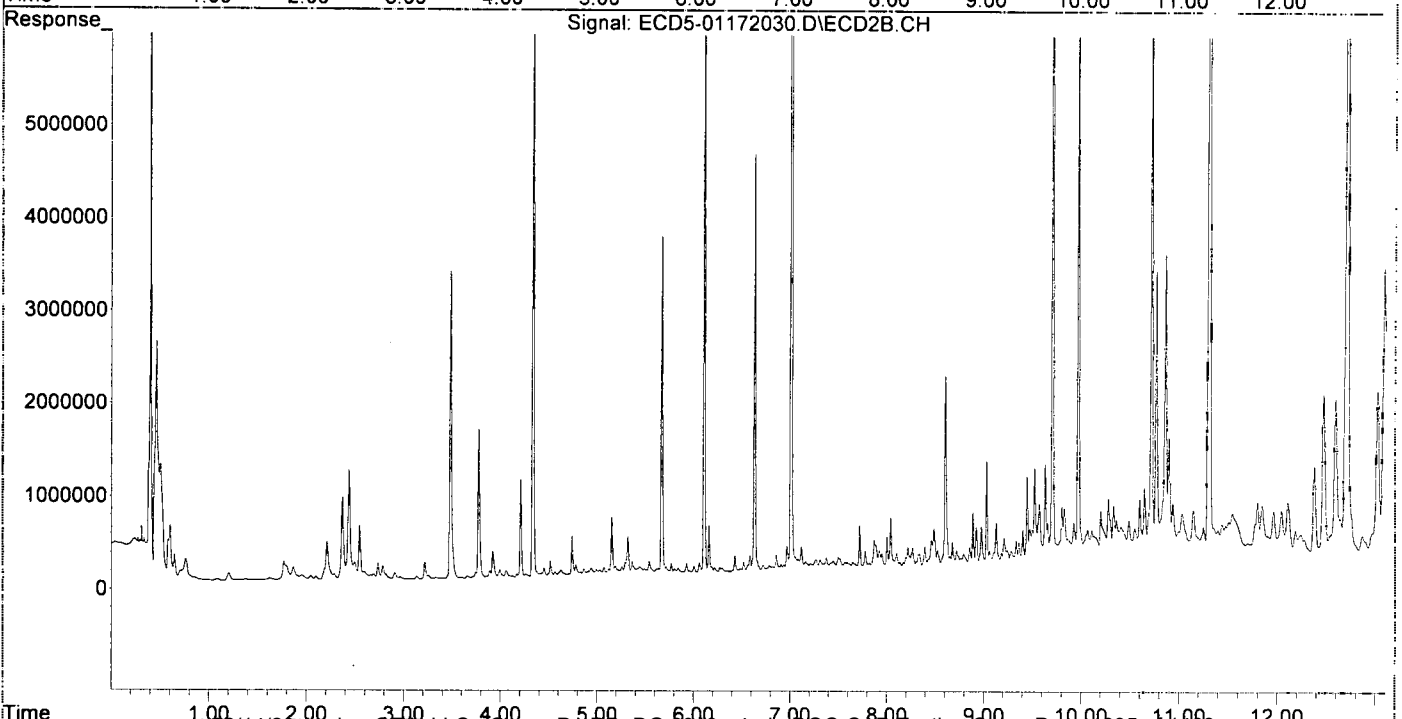
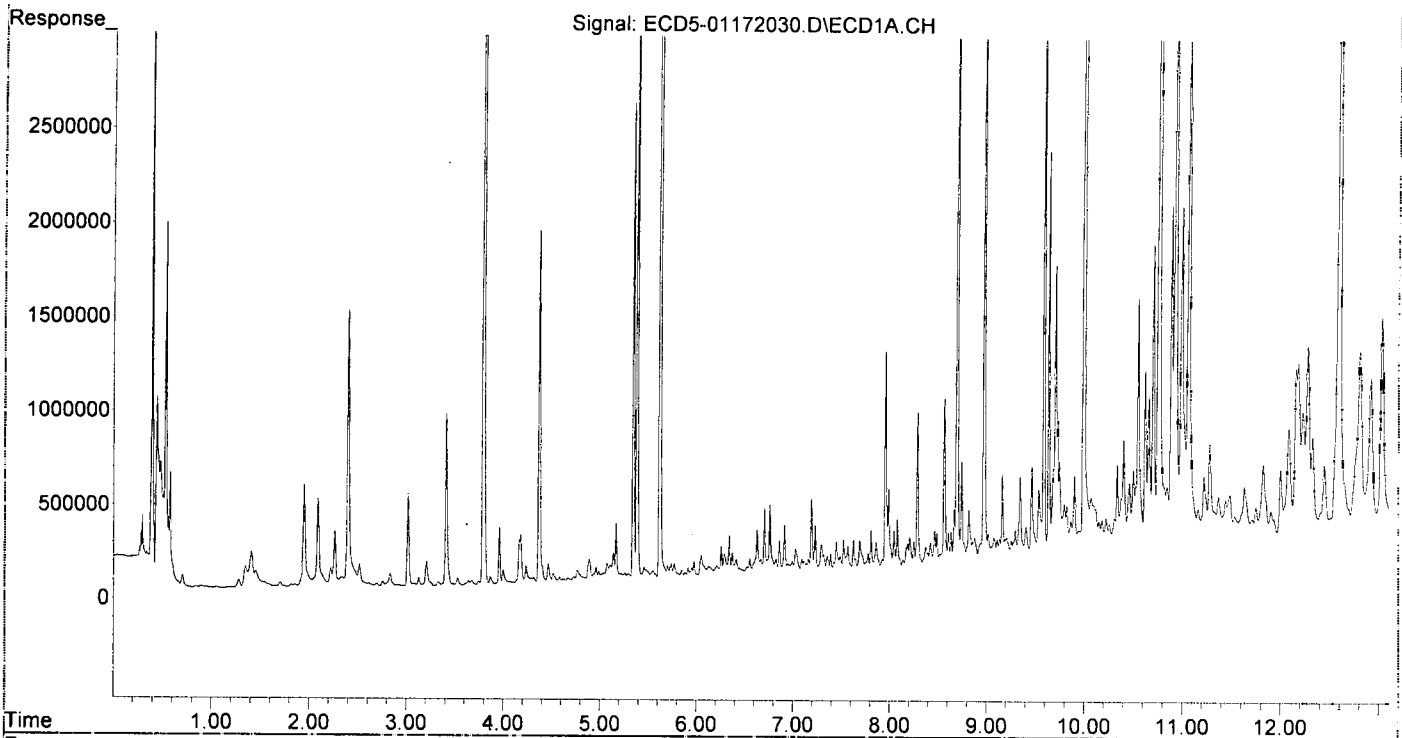
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.384	6.109	4460213	7831031	22.842	26.271
22) S DCBP (S)	9.587	10.720	4484116	6461586	29.928	36.312
Target Compounds						
2) a-BHC	5.914	6.721	39716	57764	0.151	0.140
3) g-BHC	6.212	7.085f	41515	110410	0.178	0.302 #
4) b-BHC	6.290	7.117	102567	243570	0.879	1.514 #
5) Heptachlor	6.630	7.420	223732	57895	0.985	0.163 #
6) d-BHC	6.449	7.375	25207	112669	0.116	0.393 #
7) Aldrin	6.860	7.721f	160878	457669	0.729	1.374 #
8) Heptachlo...	7.357f	8.138	66723	40290	0.324	0.131 #
9) trans-Chl...	7.449f	8.268	142251	192958	0.675	0.619
10) cis-Chlor...	7.523	8.395	147997	199632	0.723	0.673
11) Endosulfa...	7.626	8.462f	146768	260694	0.757	0.938
12) 4,4'-DDE	7.569f	8.489	114615	390418	0.556	1.373 #
13) Dieldrin	7.810	8.653	193060	84507	0.896	0.274 #
14) Endrin	7.957	8.857	1136152	177722	6.567	0.756 #
15) 4,4'-DDD	7.991f	8.924	409321	387079	2.371	1.575
16) Endosulfa...	8.138	9.031	27211	1099235	0.159	4.500 #
17) 4,4'-DDT	8.209	9.129	145615	430172	0.879	2.037 #
18) Endrin Al...	8.421	9.246	104487	122431	0.682	0.548
19) Endosulfa...	8.695	9.446	4707558	914405	29.416	4.125 #
20) Methoxychlor	8.564	9.634	867781	1033721	10.020	8.692
21) Endrin Ke...	8.876f	9.859	109925	229179	0.576	0.915 #
23) Hexachlor...	3.206	3.774f	131304	1600363	0.658	3.994 #
24) Hexachlor...	5.770	6.585	64237	170264	0.178	0.532 #
25) Oxychlordane	7.229f	8.041	232409	517726	1.129	1.851 #
26) 2,4'-DDE	7.357f	8.268	66723	192958	0.468	0.916 #
27) trans-Non...	7.523	8.326	147997	115732	0.590	0.376
28) 2,4'-DDD	7.692	8.653f	141415	84507	1.111	0.458 #
29) 2,4'-DDT	7.862f	8.857	128796	177722	0.879	0.861
30) cis-Nonac...	7.991	8.891	409321	543668	1.737	1.594
31) Mirex	8.676	9.829	153925	552801	0.895	2.925 #
32) Chlordane...	7.449	8.268	142251	192958	6.063	4.961
33) Chlordane...	7.523	8.395	147997	199632	5.135	6.219
34) Chlordane...	8.080	9.061	243201	125826	31.968	11.851 #
35) Chlordane...	3.792f	3.774f	5804661	1600363	NoCal	NoCal
36) Toxaphene...	7.523	8.605	147997	2029430	140.518	750.444 #
37) Toxaphene...	7.810	8.978	193060	393434	99.277	112.973
38) Toxaphene...	8.138f	9.031f	27211	1099235	2.351	207.293 #
39) Toxaphene...	8.374	9.061	84930	125826	21.022	13.941
40) Toxaphene...	8.608f	9.246	148169	122431	45.067	24.379 #
41) Toxaphene...	8.666	9.634	272737	1033721	62.809	184.127 #
42) Toxaphene...	3.792	3.774f	5804661	1600363	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 19:44
Operator : MJB
Sample : A9J0861-38RE2@2
Misc : 2x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 20:59
 Operator : MJB
 Sample : A9J0861-36RE2@20
 Misc : 50x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 20 11:12:29 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

*2,4-DDD/4,4-DDD
 ONLY*

*MJB
 1/20/20*

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.383	6.109	350610	538981	1.796	1.808
22) S DCBP (S)	9.584f	10.715f	443474	520770	2.810	2.927
Target Compounds						
2) a-BHC	5.916	0.000	9692	0	0.037	N.D. #
3) g-BHC	0.000	7.010f	0	504624	N.D.	1.382 #
4) b-BHC	6.261f	7.118	23621	9453	0.073	0.059
5) Heptachlor	6.614	7.462f	27861	45159	0.123	0.127
6) d-BHC	6.454	7.354	10448	9671	0.048	0.087 #
7) Aldrin	6.853	0.000	2934	0	0.013	N.D. #
8) Heptachlo...	7.322	8.137	429787	10661	2.085	0.035 #
9) trans-Chl...	7.426	8.247f	84360	694358	0.400	2.227 #
10) cis-Chlor...	7.528	8.388	38410	56520	0.188	0.191
11) Endosulfa...	7.628	8.428	1938577	117769	10.003	0.424 #
12) 4,4'-DDE	7.570	8.482	392373	3207997	1.903	10.917 #
13) Dieldrin	7.778	8.625	18843	3576705	0.087	11.578 #
14) Endrin	7.931f	8.852	4903	46411	0.028	0.198 #
15) 4,4'-DDD	7.992f	8.889	9847434	15766578	57.0366	64.142
16) Endosulfa...	8.134	9.033	37598	468503	0.220	1.918 #
17) 4,4'-DDT	8.189f	9.118	1500186	2215063	9.056	10.214 #
18) Endrin Al...	8.420	9.219f	8956	21009	0.058	0.094 #
19) Endosulfa...	8.692	9.447	51187	46022	0.320	0.208
20) Methoxychlor	8.567	9.636f	24859	88989	0.287	0.748 #
21) Endrin Ke...	8.885f	9.835	5772	72922	0.030	0.291 #
23) Hexachlor...	3.205	3.813	26532	10153	0.133	0.025 #
24) Hexachlor...	5.766	6.585	9216	28435	BelowCal	0.089
25) Oxychlordane	7.233	8.044	33386	28162	BelowCal	0.101
26) 2,4'-DDE	7.322	8.247	429787	694358	3.014	3.297
27) trans-Non...	7.528f	0.000	38410	0	0.037	N.D. #
28) 2,4'-DDD	7.692	8.625	2328239	3576705	18.299	19.392
29) 2,4'-DDT	7.874	8.852	119647	46411	0.817	0.148 #
30) cis-Nonac...	7.992	8.889	9847434	15766578	41.780	46.217
31) Mirex	8.634	9.835	15286	72922	6722.934	0.153 #
32) Chlordane...	7.426	8.247f	84360	694358	3.596	17.851 #
33) Chlordane...	7.528	8.388	38410	56520	1.333	1.761
34) Chlordane...	8.081	9.033f	52413	468503	6.890	44.125 #
35) Chlordane...	3.790f	3.813	919805	10153	NoCal	NoCal
36) Toxaphene...	7.528	8.625	38410	3576705	36.469	1322.596 #
37) Toxaphene...	7.778f	8.976	18843	77182	9.690	22.163 #
38) Toxaphene...	8.134	9.033f	37598	468503	4.836	86.988 #
39) Toxaphene...	8.369	9.033f	14661	468503	3.629	51.908 #
40) Toxaphene...	8.567	9.219f	24859	21009	7.561	4.183 #
41) Toxaphene...	8.634	9.636	15286	88989	3.520	15.851 #
42) Toxaphene...	3.790f	3.813	919805	10153	NoCal	NoCal

9-05

6.7

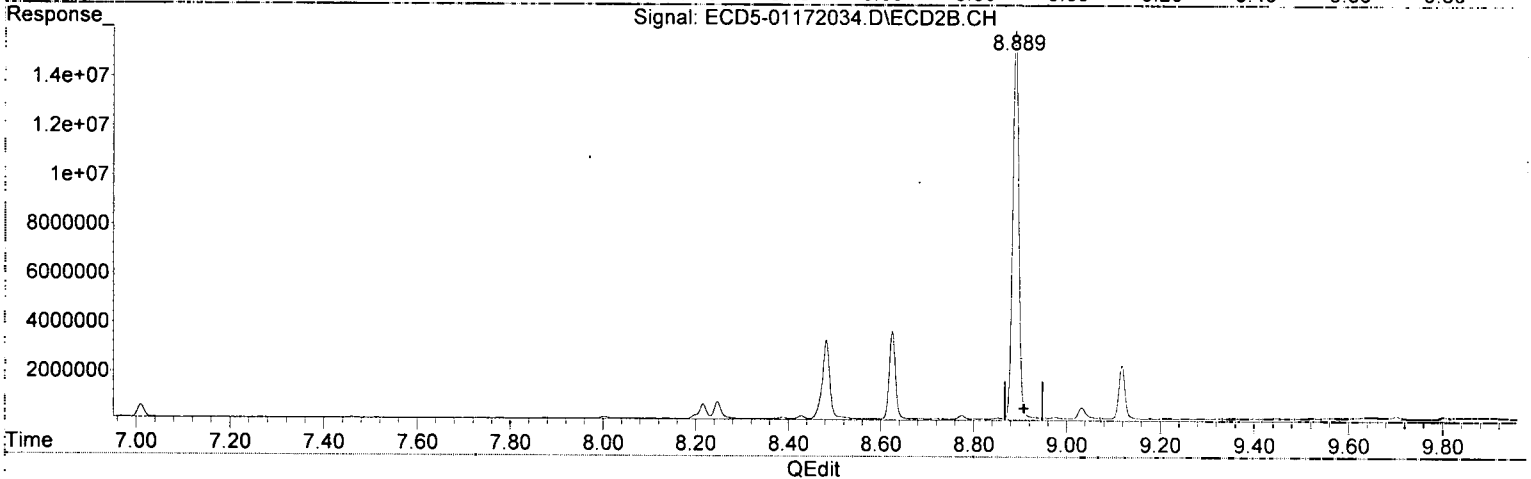
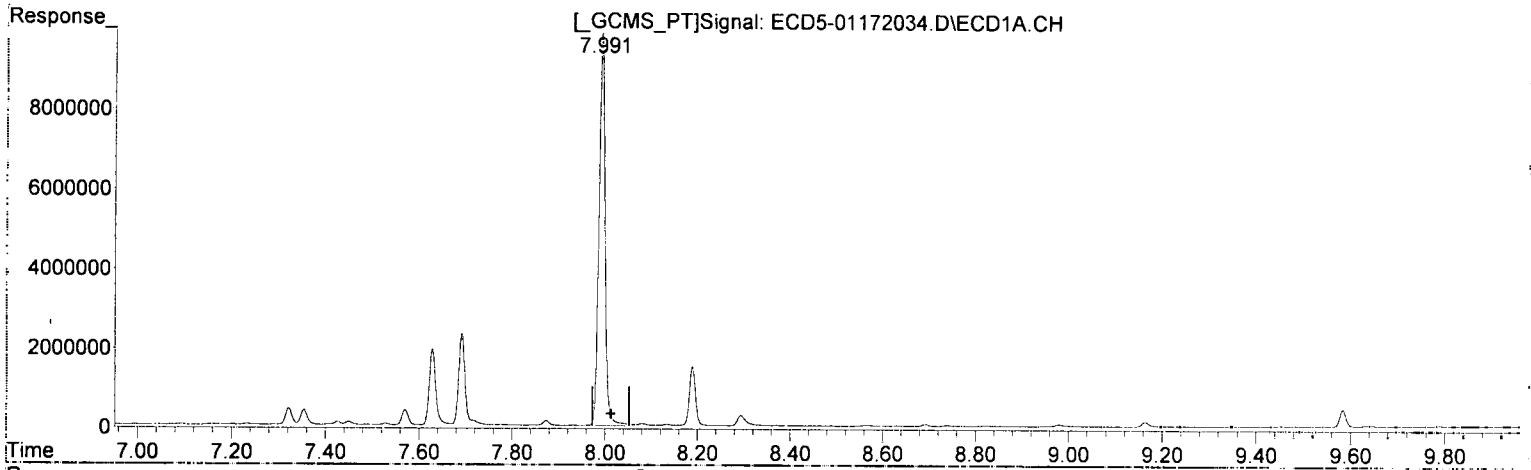
19.3

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 20:59
Operator : MJB
Sample : A9J0861-36RE2@20
Misc : 50x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:29 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD

7.992min 57.036 ng/mL Q-3
response 9847434

MJB
1/20/20

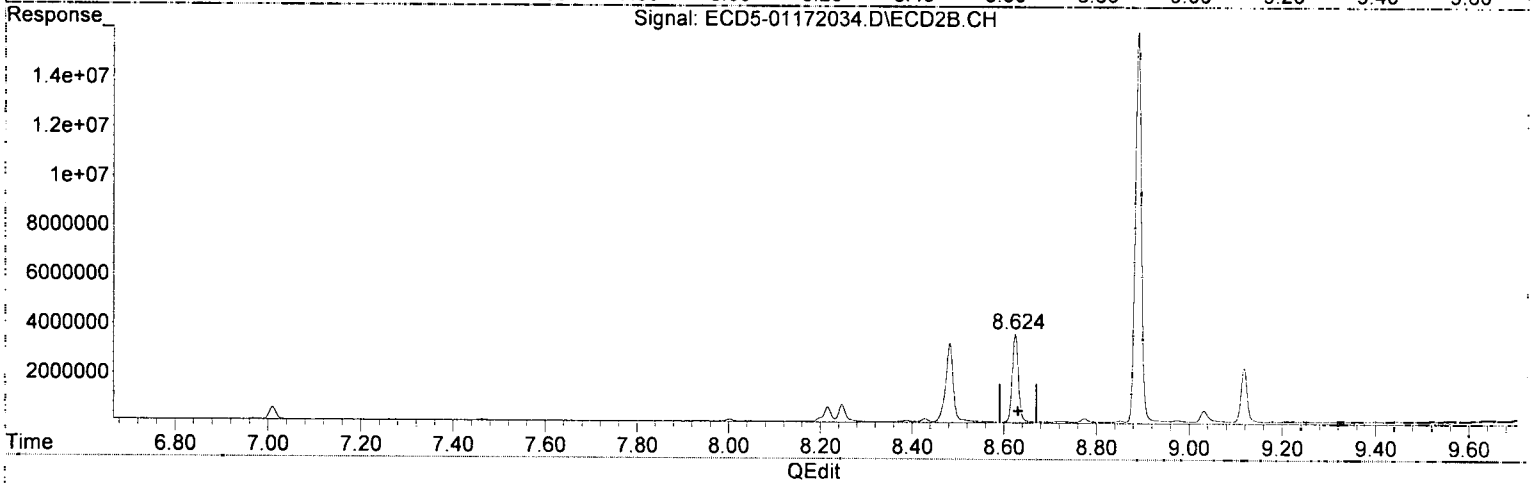
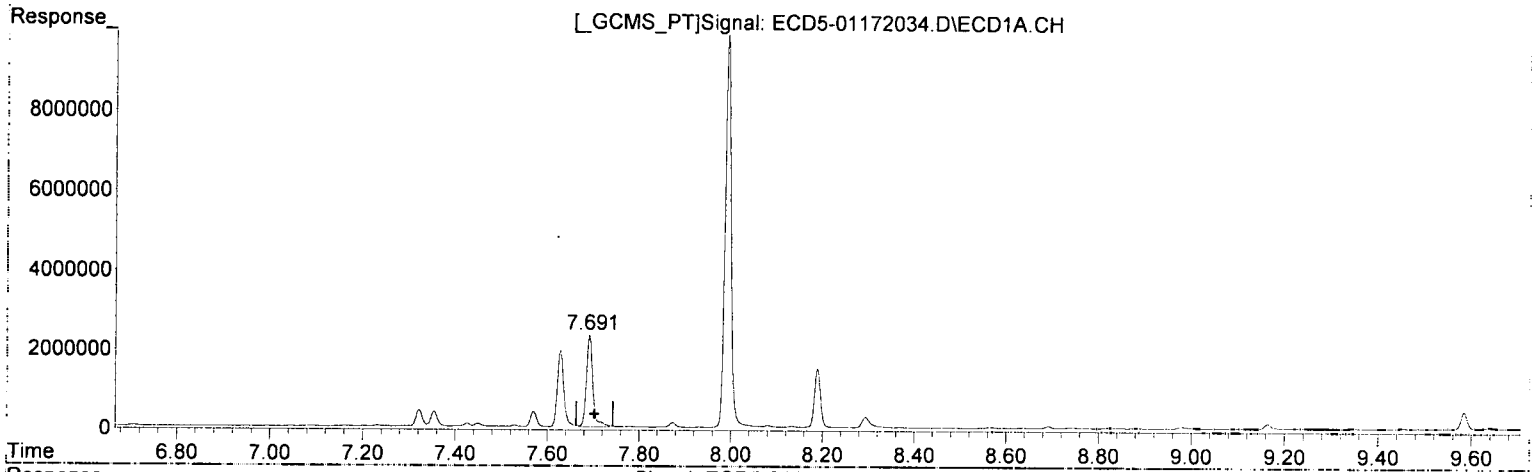
(15) 4,4'-DDD #2

8.889min 64.142 ng/mL
response 15766578

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 20:59
 Operator : MJB
 Sample : A9J0861-36RE2@20
 Misc : 50x, 8081B 2,4+4,4-DDx Only, GPC
 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: Jan 20 11:12:29 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.692min 18.299 ng/mL *Q-3'*

response 2328239

*MJB
1/20/20*

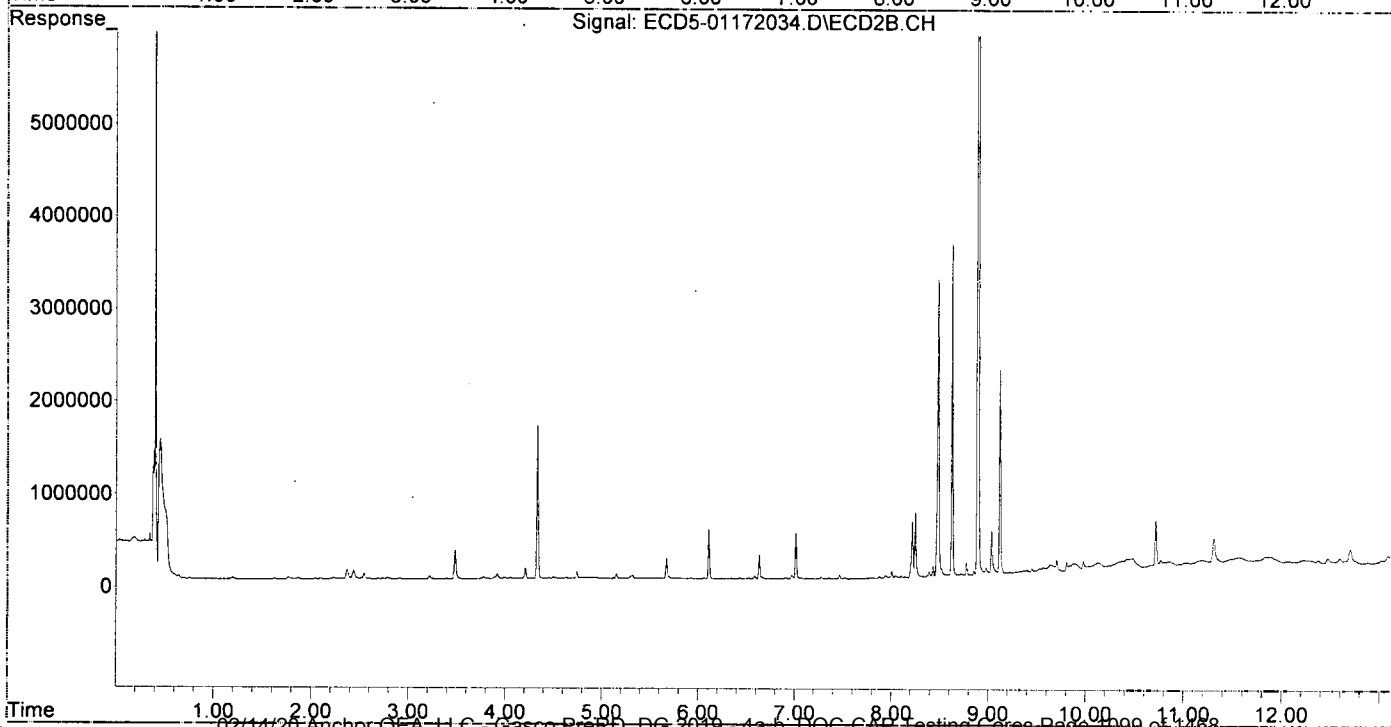
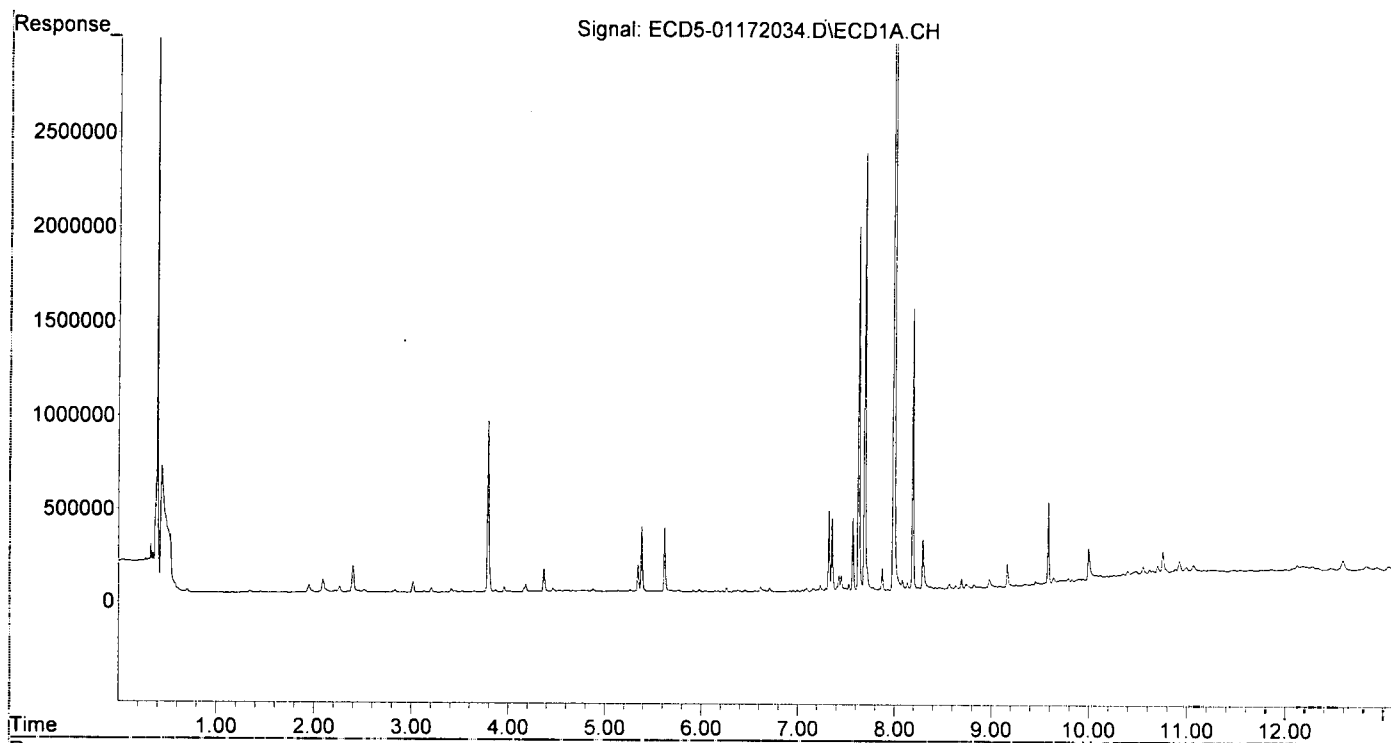
(28) 2,4'-DDD #2

8.625min 19.392 ng/mL

response 3576705

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 20:59
Operator : MJB
Sample : A9J0861-36RE2@20
Misc : 50x, 8081B 2,4+4,4-DDx Only, GPC
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: Jan 20 11:12:29 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 21:37
 Operator : MJB
 Sample : A9J0861-37RE2050
 Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB
1/20/20

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 20 11:12:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

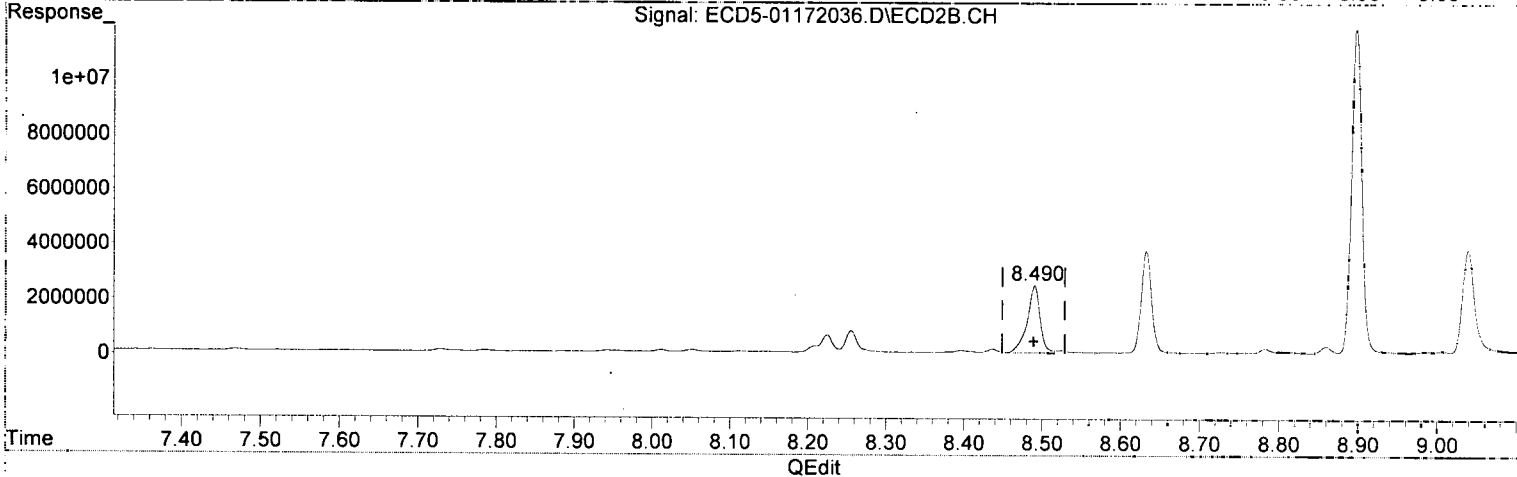
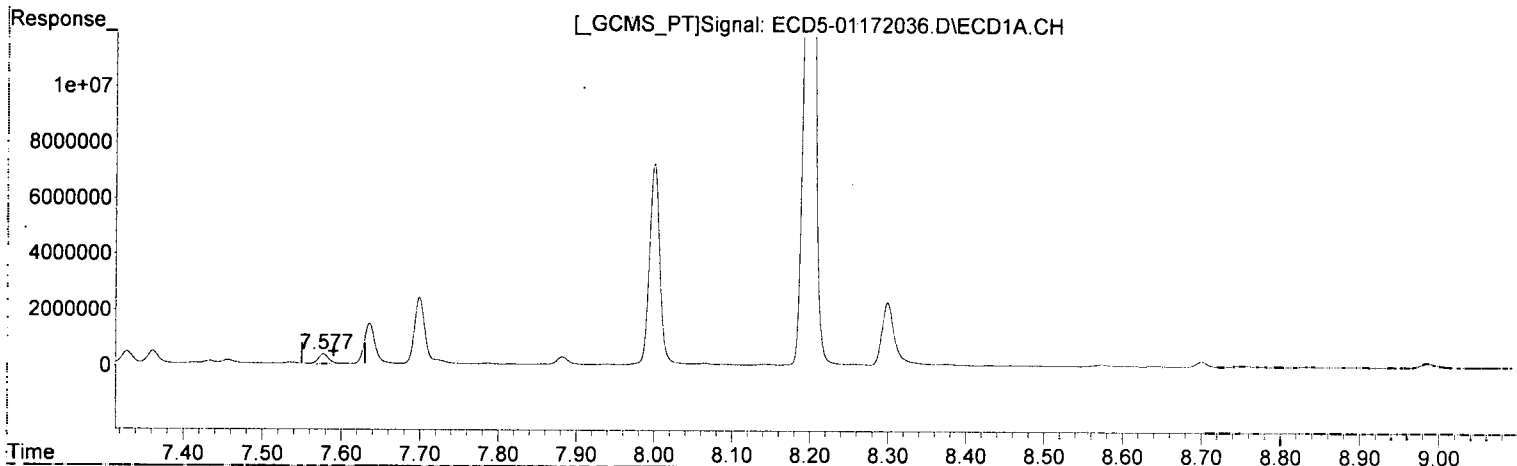
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.115	179792	282241	0.921	0.947
22) S DCBP (S)	9.592	10.725	187786	226968	1.100	1.275
Target Compounds						
2) a-BHC	5.921	6.725	6702	12720	0.025	0.031
3) g-BHC	6.228	7.018f	7011	1771700	0.030	4.853 #
4) b-BHC	6.265f	7.124	16165	19921	5931.837	0.124 #
5) Heptachlor	6.620	0.000	32103	0	0.141	N.D. #
6) d-BHC	6.459	7.362	12314	17715	0.057	0.110 #
7) Aldrin	6.862	7.729f	4314	70263	0.020	0.211 #
8) Heptachlo...	7.329	8.145	429224	18775	2.082	0.061 #
9) trans-Chl...	7.434	8.256f	97718	781934	0.464	2.508 #
10) cis-Chlor...	7.536	8.397	45167	78830	0.221	0.266
11) Endosulfa...	7.636	8.437	1457324	130734	7.520	0.470 #
12) 4,4'-DDE	7.578	8.491	340223	2446625	1.650-2-31	8.360 # 2-02
13) Dieldrin	7.787	8.633	34586	3705087	0.161	11.993 #
14) Endrin	7.940f	8.860	21193	244301	0.122	1.040 #
15) 4,4'-DDD	8.000	8.898	7167732	11839128	41.515-2-31	48.164
16) Endosulfa...	8.142f	9.006	44423	69934	0.260	0.286
17) 4,4'-DDT	8.199	9.127	29240357	48040624	176.506-2-31	170.469
18) Endrin Al...	8.429f	0.000	26429	0	0.173	N.D. #
19) Endosulfa...	8.700	9.455	193858	86128	1.211	0.389 #
20) Methoxychlor	8.573f	9.642f	70182	77351	0.810	0.650
21) Endrin Ke...	8.896	9.839	16349	81432	0.086	0.325 #
23) Hexachlor...	3.207	3.813	19110	6429	0.096	0.016 #
24) Hexachlor...	5.771	6.592	11102	22958	BelowCal	0.072
25) Oxychlordane	7.260	8.051	20228	82699	BelowCal	0.296
26) 2,4'-DDE	7.329	8.256	429224	781934	3.010-2-31	3.713
27) trans-Non...	7.536f	0.000	45167	0	0.071	N.D. #
28) 2,4'-DDD	7.699	8.633	2385132	3705087	18.746-2-31	20.088
29) 2,4'-DDT	7.882	8.860	268683	244301	1.834	1.221-MDL=MRL
30) cis-Nonac...	8.000f	8.898	7167732	11839128	30.411	34.705
31) Mirex	8.642	9.839	30361	81432	6722.822	0.202 #
32) Chlordane...	7.434	8.256f	97718	781934	4.165	20.103 #
33) Chlordane...	7.536	8.397	45167	78830	1.567	2.456 #
34) Chlordane...	8.065	9.039	69541	3730674	9.141	351.363 #
35) Chlordane...	3.792f	3.813	620148	6429	NoCal	NoCal
36) Toxaphene...	7.536f	8.633	45167	3705087	42.885	1370.069 #
37) Toxaphene...	7.816	8.986	12398	53671	6.376	15.411 #
38) Toxaphene...	8.142f	9.006	44423	69934	6.470	9.701 #
39) Toxaphene...	8.376	9.039f	64783	3730674	16.035	413.340 #
40) Toxaphene...	8.573	0.000	70182	0	21.346	N.D. #
41) Toxaphene...	8.642	9.642	30361	77351	6.992	13.778 #
42) Toxaphene...	3.792	3.813	620148	6429	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 21:37
Operator : MJB
Sample : A9J0861-37RE2@50
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
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: Jan 20 11:12:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.578min 1.650 ng/mL *Q-31*
response 340223

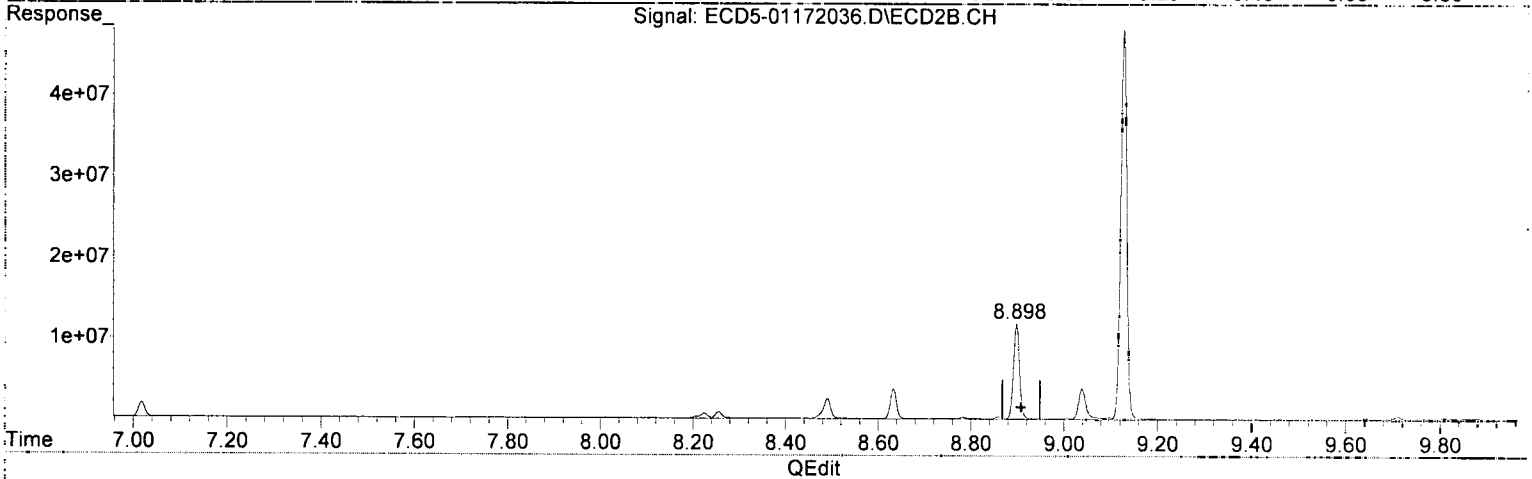
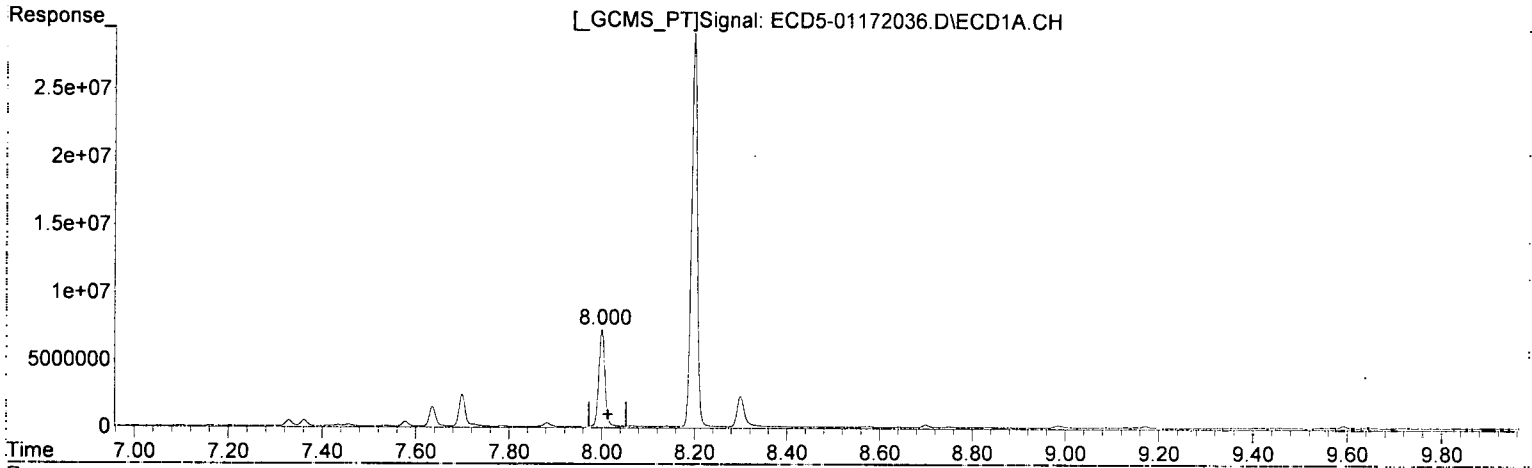
MJB 1/20/20

(12) 4,4'-DDE #2
8.491min 8.360 ng/mL *R-02*
response 2446625

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 21:37
Operator : MJB
Sample : A9J0861-37RE2@50
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
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: Jan 20 11:12:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(15) 4,4'-DDD
8.000min 41.515 ng/mL *Q31*
response 7167732

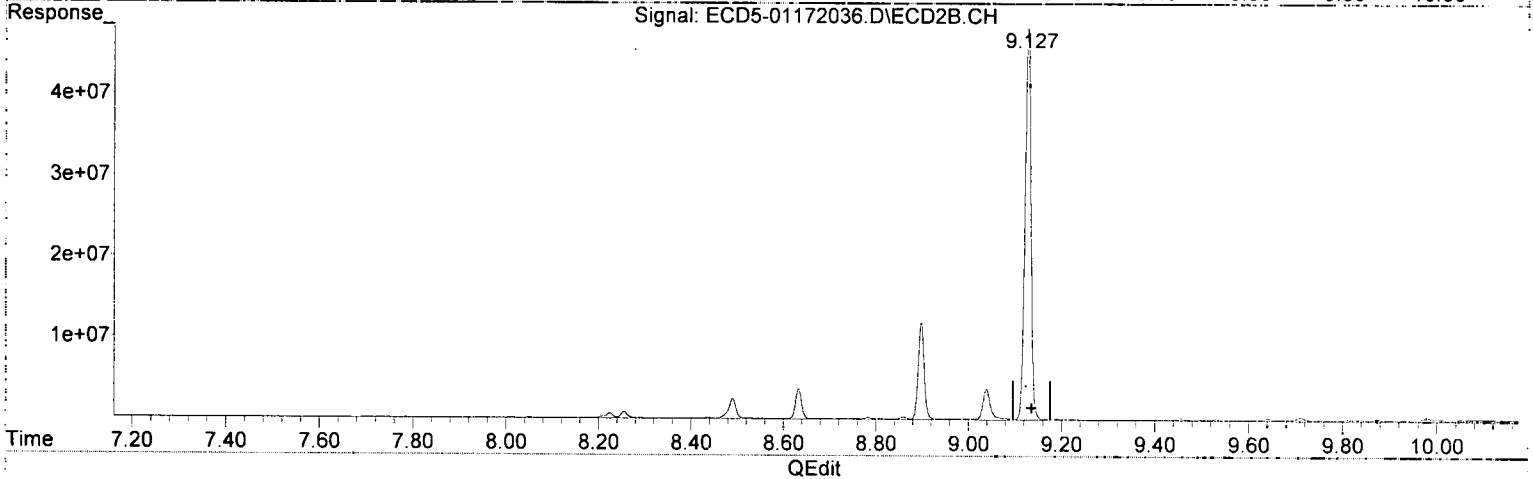
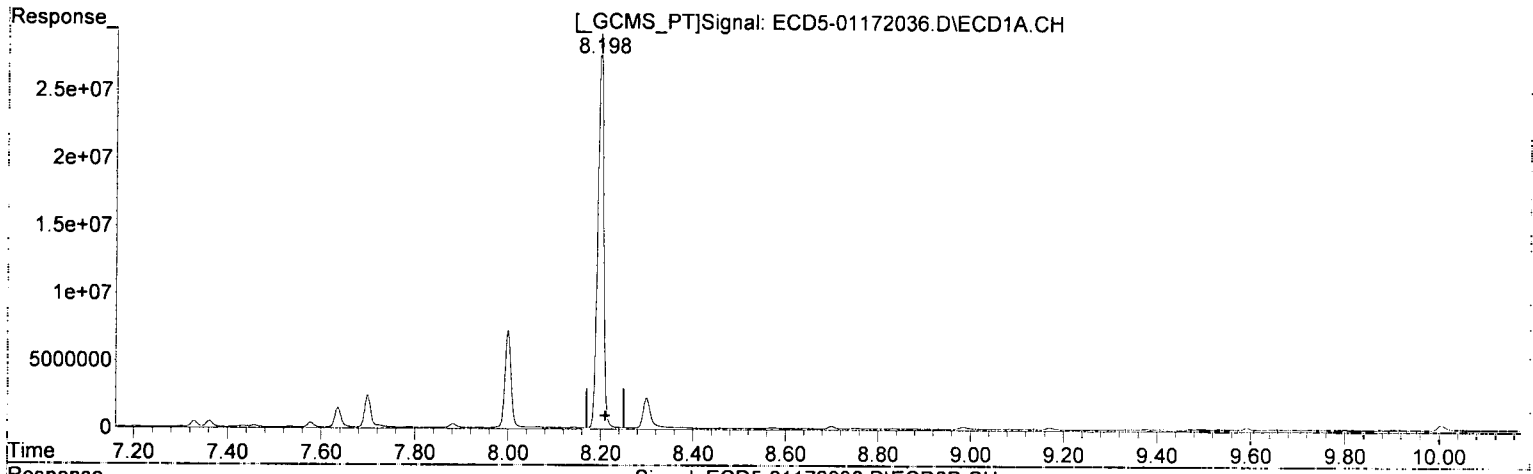
MJB
1/20/20

(15) 4,4'-DDD #2
8.898min 48.164 ng/mL
response 11839128

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 21:37
 Operator : MJB
 Sample : A9J0861-37RE2@50
 Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
 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: Jan 20 11:12:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT

8.199min 176.506 ng/mL *Q-21*

response 29240357

*MJB
1/20/20*

(17) 4,4'-DDT #2

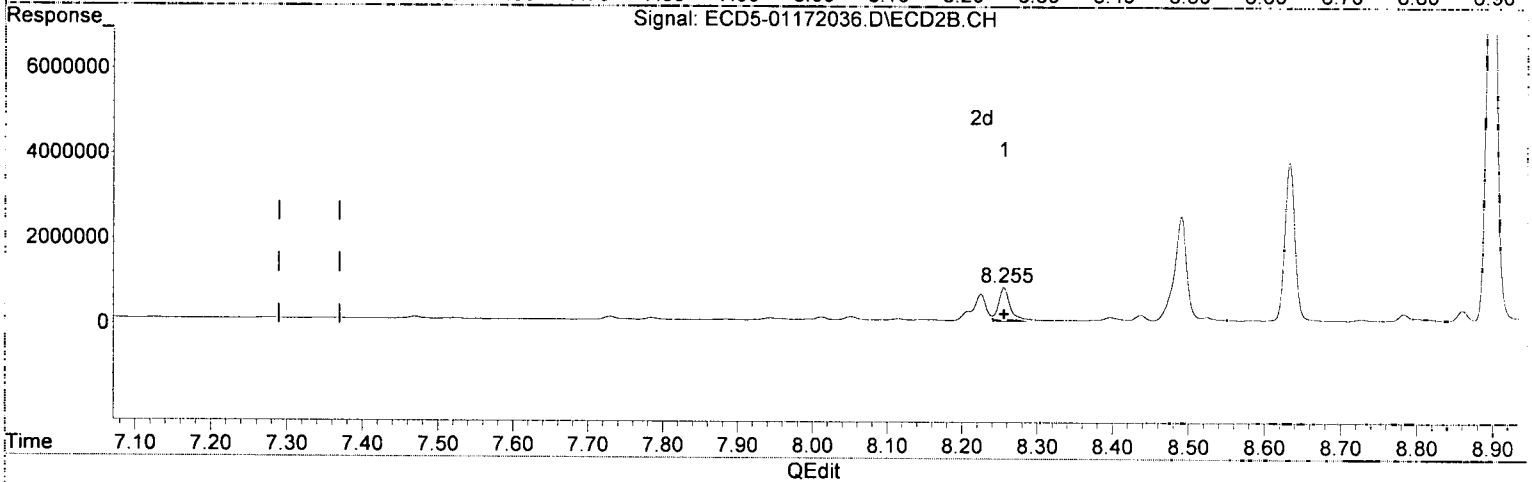
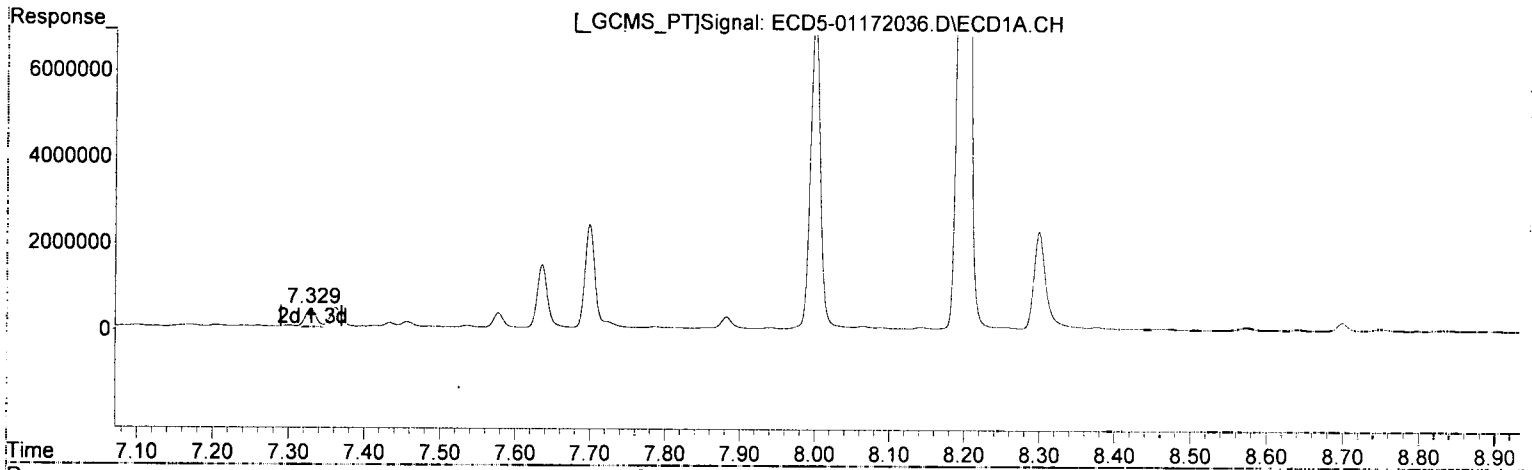
9.127min 170.469 ng/mL

response 48040624

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 21:37
 Operator : MJB
 Sample : A9J0861-37RE2@50
 Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
 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: Jan 20 11:12:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE

7.329min 3.010 ng/mL Q-31

response 429224

MJB 1/20/20

(26) 2,4'-DDE #2

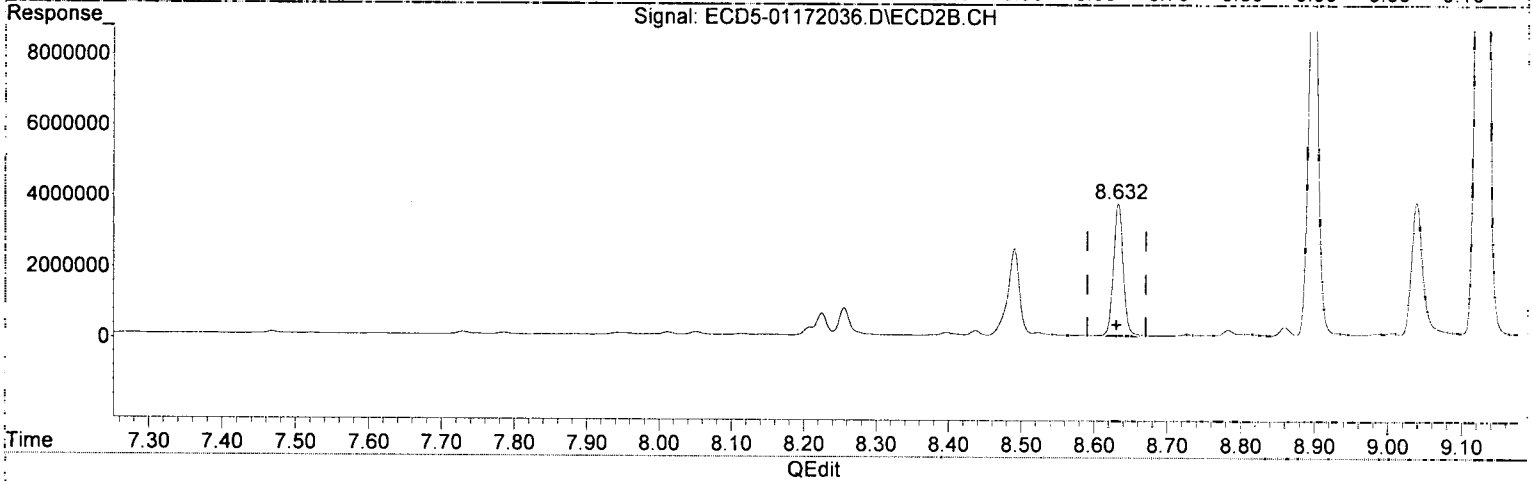
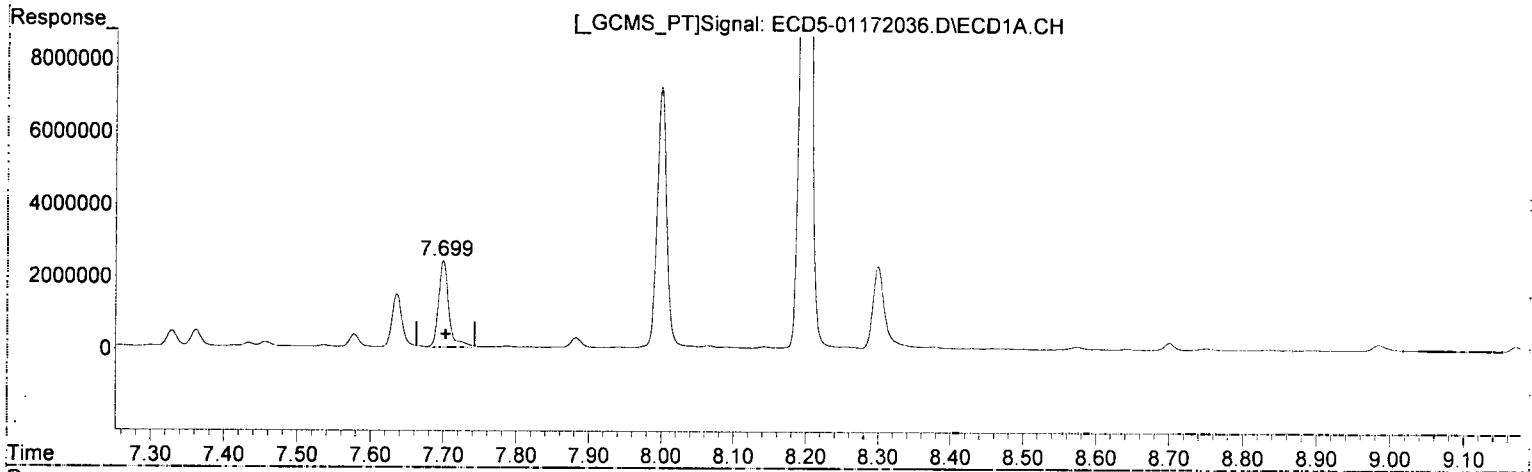
8.256min 3.713 ng/mL

response 781934

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 21:37
Operator : MJB
Sample : A9J0861-37RE2@50
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
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: Jan 20 11:12:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD

7.699min 18.746 ng/mL Q-31

response 2385132

*MJB
1/20/20*

(28) 2,4'-DDD #2

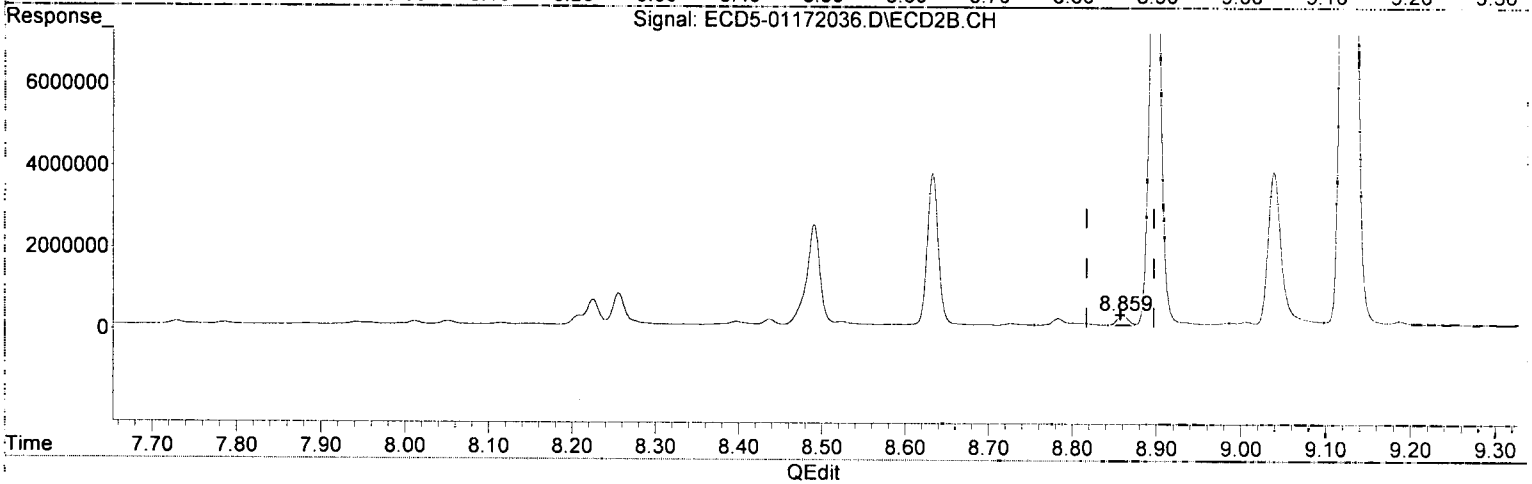
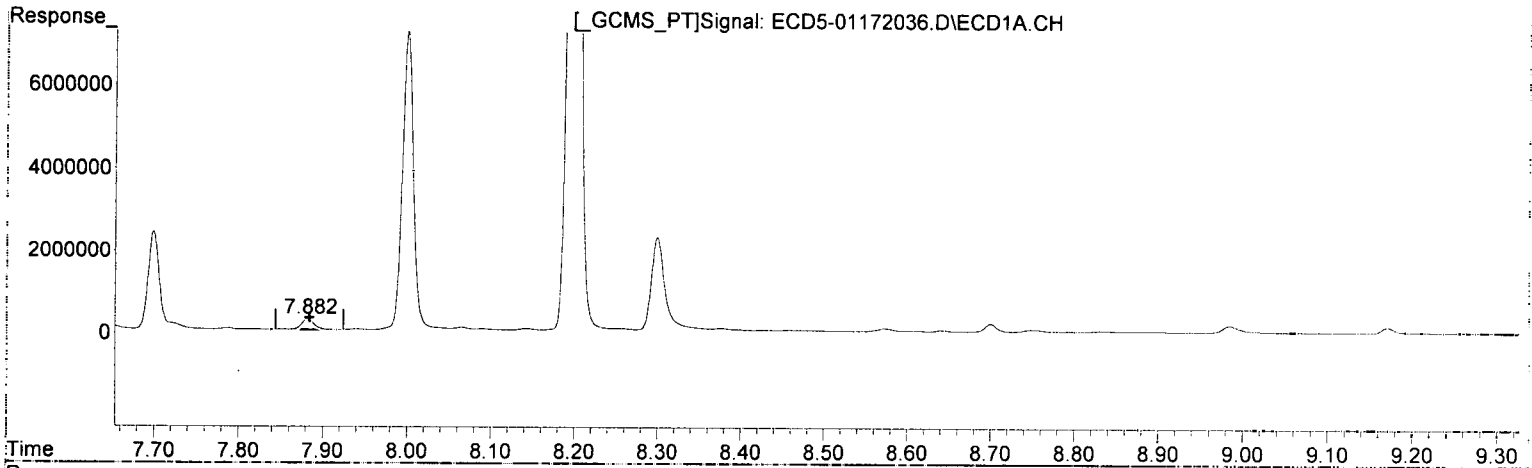
8.633min 20.088 ng/mL

response 3705087

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 21:37
Operator : MJB
Sample : A9J0861-37RE2@50
Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
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: Jan 20 11:12:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT

7.882min 1.834 ng/mL

response 268683

MJB
1/20/20

(29) 2,4'-DDT #2

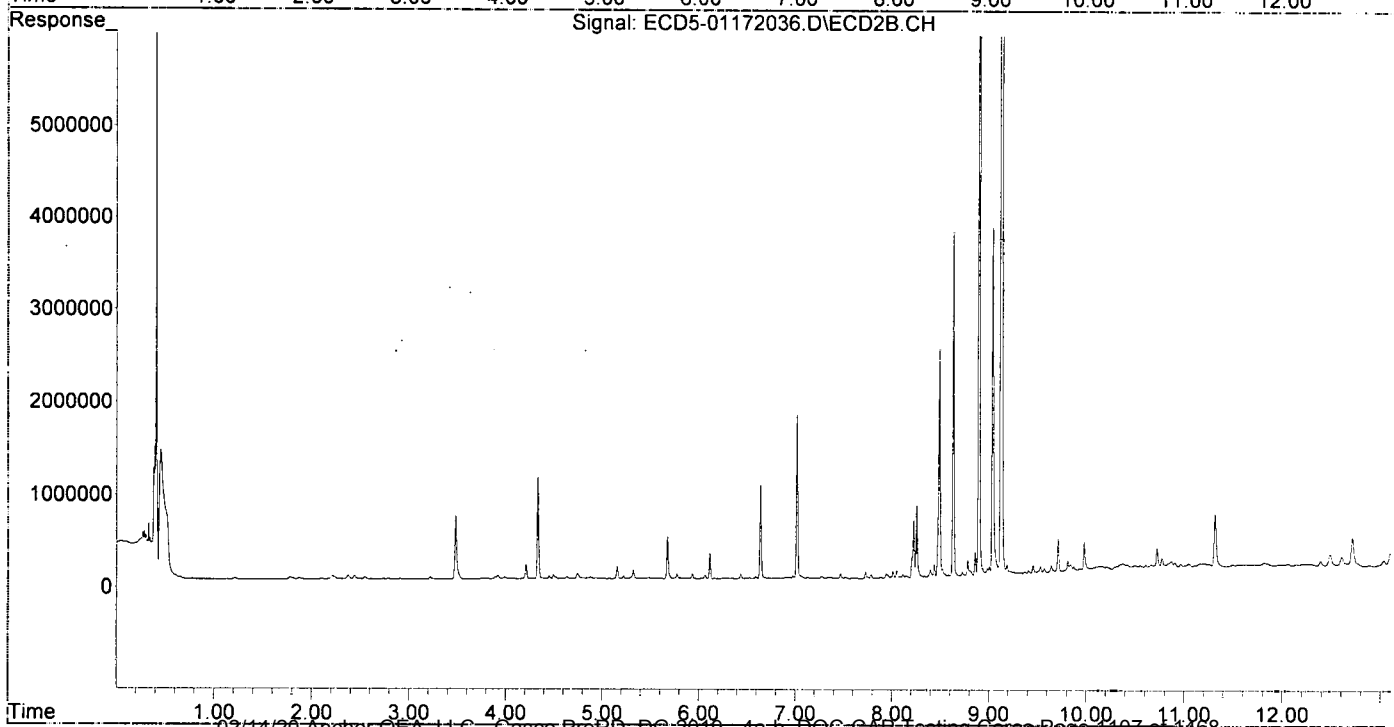
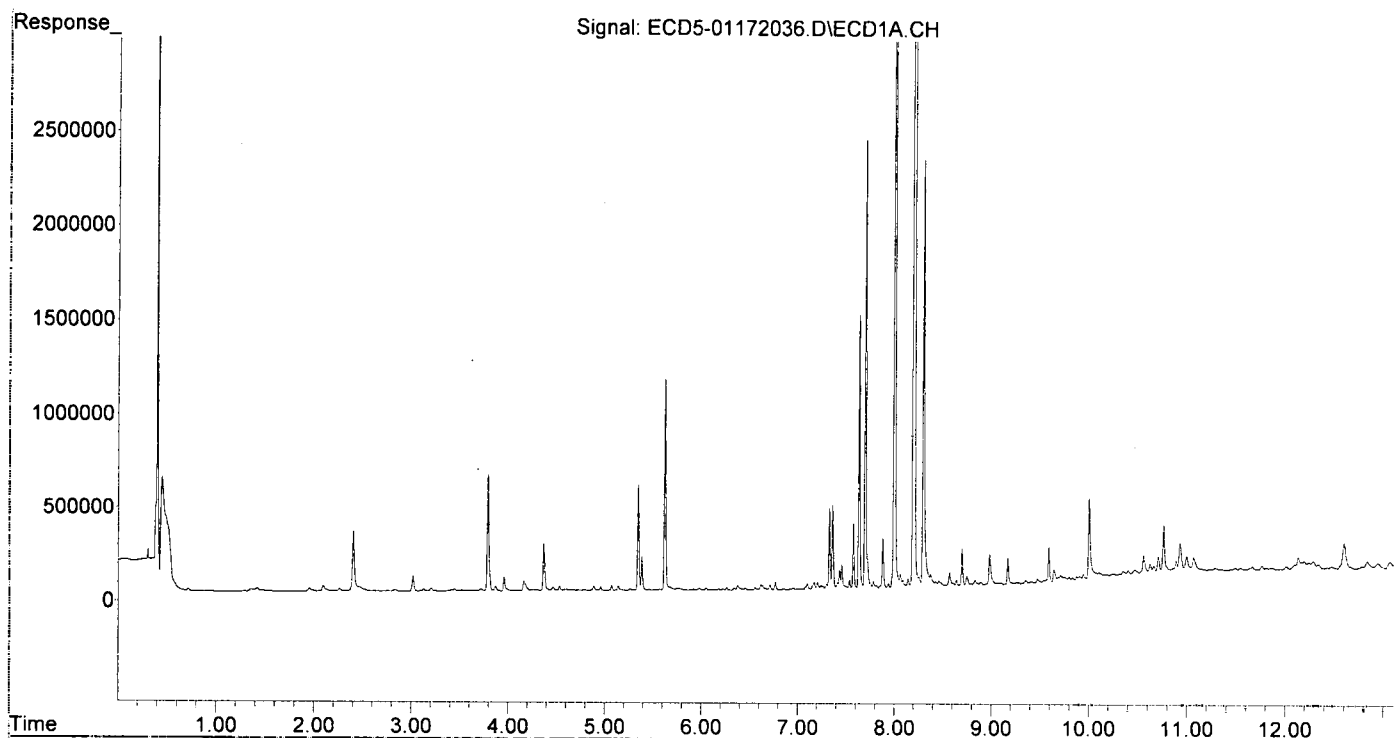
8.860min 1.221 ng/mL

response 244301

MJC MJC

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172036.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 21:37
 Operator : MJB
 Sample : A9J0861-37RE2@50
 Misc : 20x, 8081B 2,4+4,4-DDx Only, GPC, 2,4+4,4-DDD Only
 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: Jan 20 11:12:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 22:15
 Operator : MJB
 Sample : 0A17019-CCV5
 Misc : A19K133, 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: Jan 20 11:12:44 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

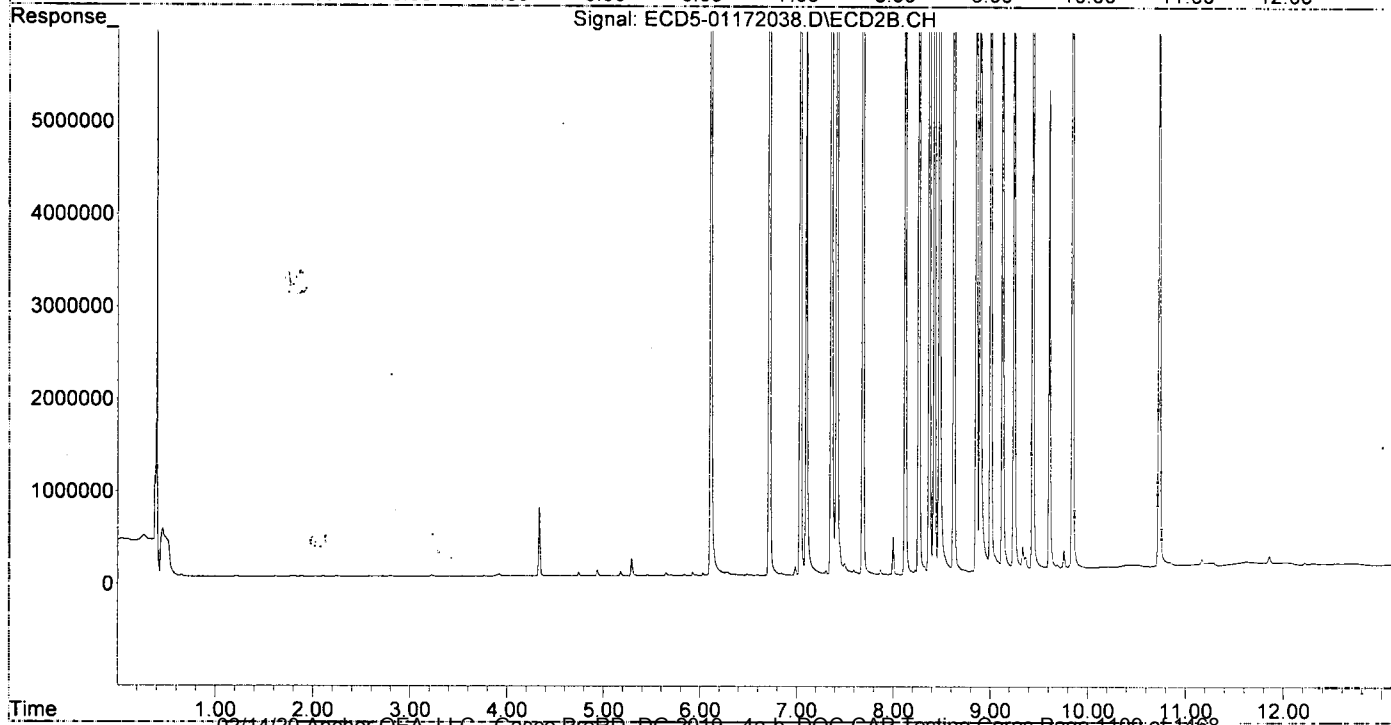
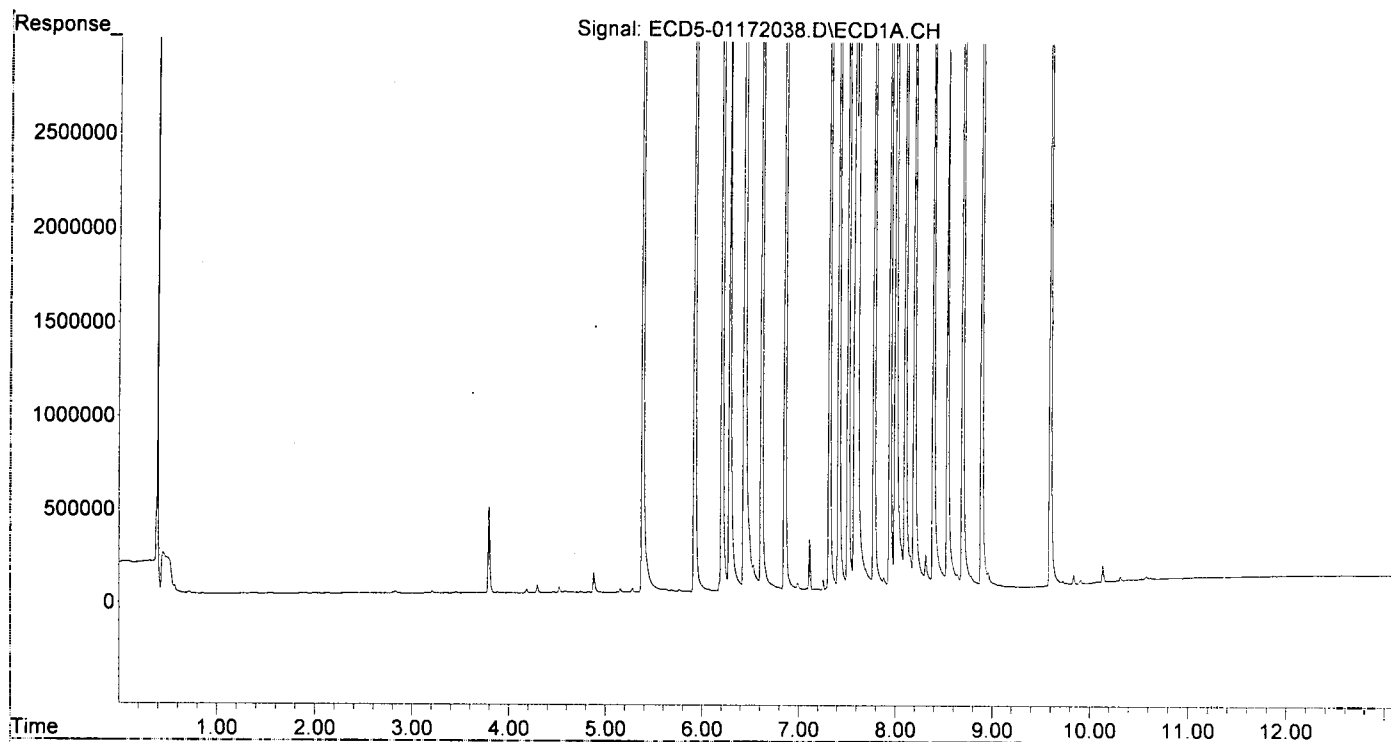
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.383	6.109	8366077	13766544	42.846	46.184
22) S DCBP (S)	9.597	10.732	6686855	8618271	44.789	48.432
Target Compounds						
2) a-BHC	5.922	6.716	12889805	22537779	48.980	54.577
3) g-BHC	6.206	7.036	10926176	19295454	46.793	52.850
4) b-BHC	6.285	7.100	3180509	6676347	32.453	41.505
5) Heptachlor	6.616	7.414	11153312	19492092	49.082	54.987
6) d-BHC	6.436	7.357	7481456	16841973	34.344	47.525
7) Aldrin	6.857	7.683	10428219	18003167	47.264	54.054
8) Heptachlo...	7.318	8.122	9631742	16112311	46.721	52.306
9) trans-Chl...	7.415	8.263	9422487	15821239	44.716	50.737
10) cis-Chlor...	7.511	8.370	9308629	14846489	45.491	50.048
11) Endosulfa...	7.608	8.423	9269023	14464802	47.827	52.054
12) 4,4'-DDE	7.580	8.475	7353409	13925511	35.664	45.360
13) Dieldrin	7.780	8.624	10119726	16741532	46.986	54.192
14) Endrin	7.945	8.856	8846639	13265660	51.131	56.458
15) 4,4'-DDD	8.002	8.896	5738697	11154110	33.238	45.378
16) Endosulfa...	8.103	9.004	7561082	12443464	44.316	50.935
17) 4,4'-DDT	8.197	9.125	6518010	11264042	39.345	48.408
18) Endrin Al...	8.393	9.243	6014979	10169460	39.285	45.480
19) Endosulfa...	8.695	9.436	7405646	12098604	46.275	54.579
20) Methoxychlor	8.538	9.607	2827196	5179527	32.643	43.551
21) Endrin Ke...	8.891	9.843	8709282	13854682	45.605	55.323
23) Hexachlor...	3.207	0.000	10614	0	0.053	N.D. #
24) Hexachlor...	5.765	6.598	12621	5838	BelowCal	0.018
25) Oxychlorane	7.254	0.000	55367	0	0.114	N.D. #
26) 2,4'-DDE	7.318	8.263	9631742	15821239	67.548	75.128
27) trans-Non...	7.511	8.323	9308629	80731	46.607	0.263 #
28) 2,4'-DDD	0.000	8.624	0	16741532	N.D.	90.770 #
29) 2,4'-DDT	7.881	8.856	58767	13265660	0.401	64.326 #
30) cis-Nonac...	8.002f	8.896	5738697	11154110	24.348	32.697
31) Mirex	0.000	9.843	0	13854682	N.D.	74.009 #
32) Chlordane...	7.415f	8.263	9422487	15821239	401.613	406.748
33) Chlordane...	7.511	8.370	9308629	14846489	322.984	462.537 #
34) Chlordane...	8.103f	0.000	7561082	0	993.887	N.D. #
35) Chlordane...	3.792f	0.000	460754	0	NoCal	N.D.
36) Toxaphene...	7.511	8.624	9308629	16741532	8838.241	6190.691
37) Toxaphene...	7.780f	9.004f	10119726	12443464	5203.843	3573.082
38) Toxaphene...	8.103	9.004	7561082	12443464	1763.831	2066.505
39) Toxaphene...	8.393f	0.000	6014979	0	1488.843	N.D. #
40) Toxaphene...	0.000	9.243	0	10169460	N.D.	2025.001 #
41) Toxaphene...	0.000	9.607f	0	5179527	N.D.	922.582 #
42) Toxaphene...	3.792	0.000	460754	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 22:15
Operator : MJB
Sample : 0A17019-CCV5
Misc : A19K133, 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: Jan 20 11:12:44 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 22:32
 Operator : MJB
 Sample : 0A17019-CCV6
 Misc : A19J408, 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: Jan 20 11:12:51 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/20/20

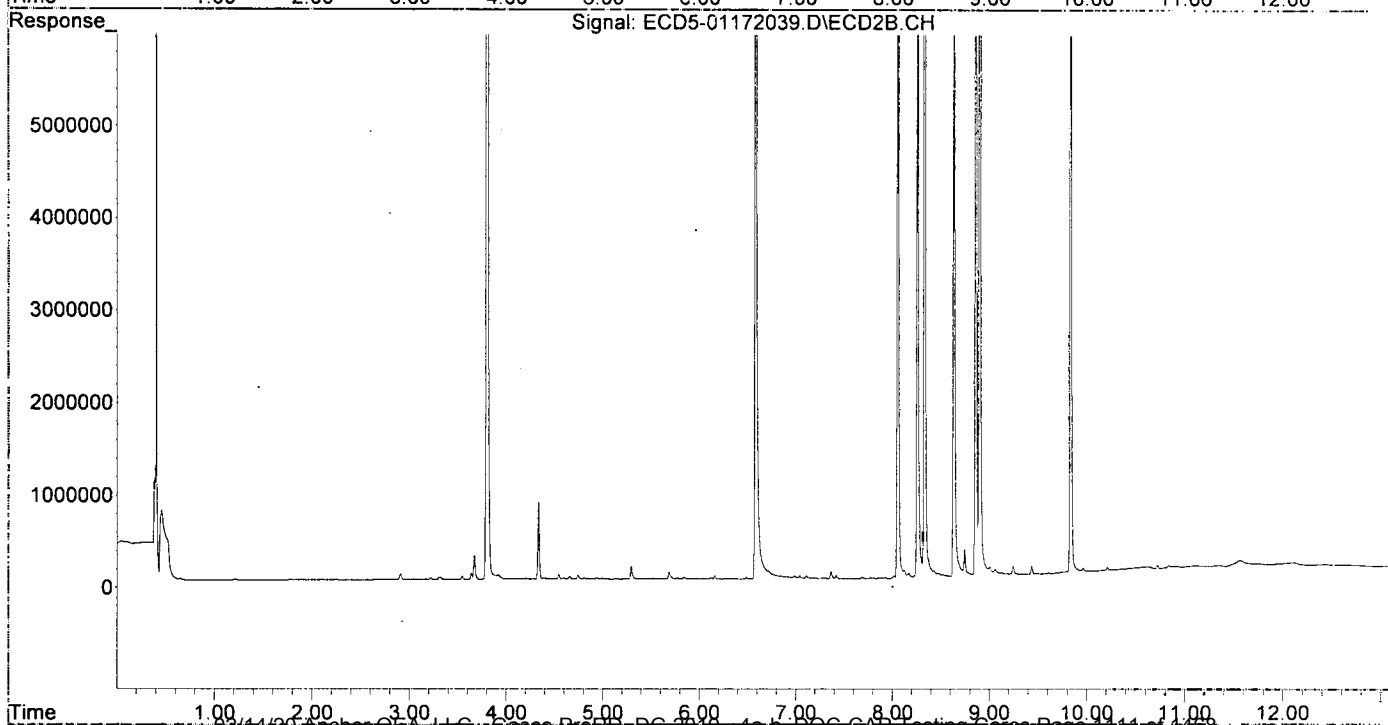
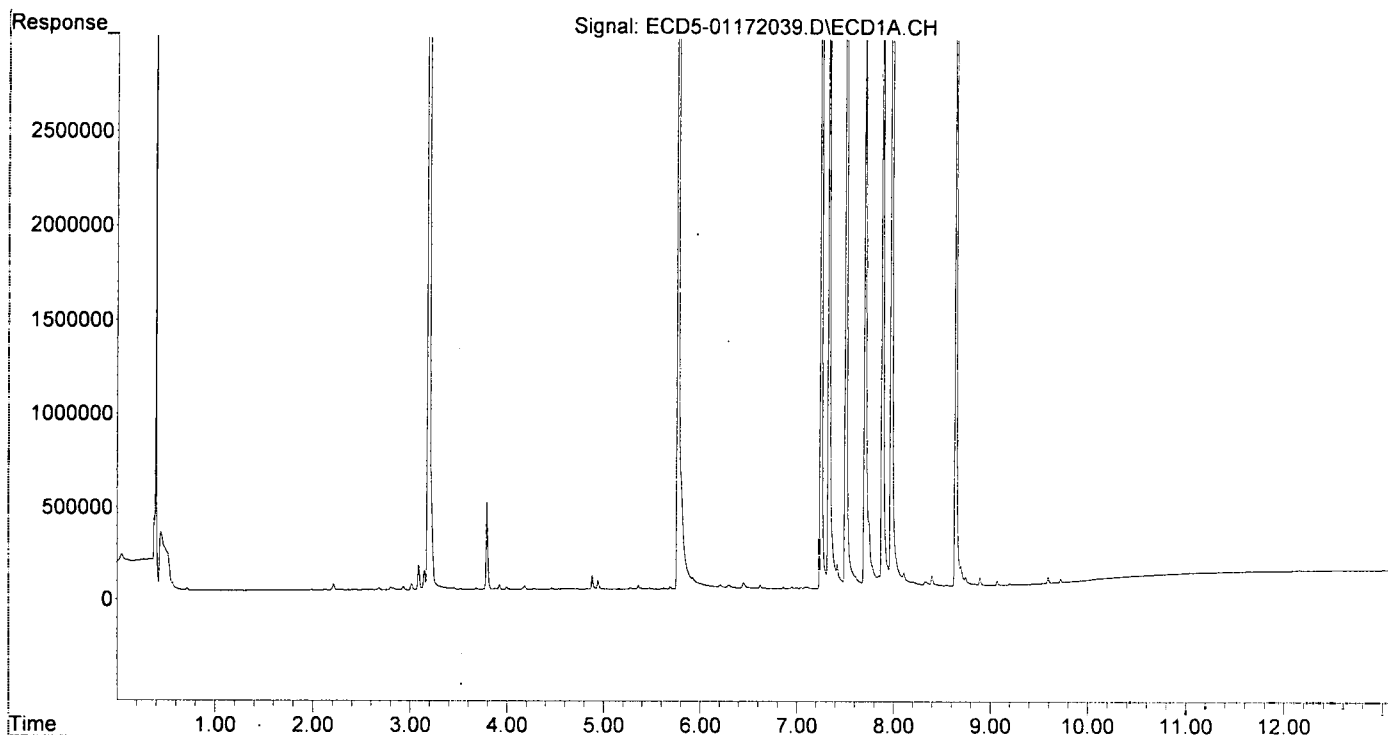
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.386	6.116	6414	12593	0.033	0.042
22) S DCBP (S)	9.595	10.721	35265	36838	0.080	0.207 #
Target Compounds						
2) a-BHC	5.922	6.718	62546	83410	0.238	0.202
3) g-BHC	6.209	7.039	23036	24646	0.099	0.068
4) b-BHC	6.297	7.108	20711	22751	0.044	0.141 #
5) Heptachlor	6.622	7.419	20031	30968	0.088	0.087
6) d-BHC	6.450	7.364	33853	71977	0.155	0.272 #
7) Aldrin	6.862	7.688	8433	13650	0.038	0.041
8) Heptachlo...	7.332	8.124	4607641	78866	22.350	0.256 #
9) trans-Chl...	7.419	8.257f	130813	8958653	0.621	28.729 #
10) cis-Chlor...	7.508	8.426f	8767778	53934	42.848	0.182 #
11) Endosulfa...	0.000	8.426	0	53934	N.D.	0.194 #
12) 4,4'-DDE	0.000	8.479	0	24080	N.D.	0.116 #
13) Dieldrin	0.000	8.633	0	7453666	N.D.	24.127 #
14) Endrin	7.979	8.858	9396397	9128536	54.309	38.851
15) 4,4'-DDD	7.979f	8.899	9396397	16594830	54.423	67.512
16) Endosulfa...	8.109	9.004	75904	85180	0.445	0.349
17) 4,4'-DDT	8.205	9.125	26823	17589	0.162	0.112
18) Endrin Al...	8.401	9.243	59303	85298	0.387	0.381
19) Endosulfa...	8.699	9.434	106177	86419	0.663	0.390 #
20) Methoxychlor	8.550	9.607	5413	7717	0.063	0.065
21) Endrin Ke...	8.895	9.833	42329	9011761	0.222	35.985 #
23) Hexachlor...	3.189	3.799	9890420	20043878	49.589	50.019
24) Hexachlor...	5.768	6.582	6762620	12650731	34.937	39.521
25) Oxychlordane	7.252	8.055	7781289	13233709	44.200	47.315
26) 2,4'-DDE	7.332	8.257	4607641	8958653	32.314	42.541
27) trans-Non...	7.508	8.330	8767778	14578471	43.901	47.411
28) 2,4'-DDD	7.706	8.633	3767848	7453666	29.617	40.412
29) 2,4'-DDT	7.886	8.858	5099817	9128536	34.817	45.653
30) cis-Nonac...	7.979	8.899	9396397	16594830	39.867	48.645
31) Mirex	8.645	9.833	5913380	9011761	43.884	49.291
32) Chlordane...	7.419	8.257f	130813	8958653	5.576	230.318 #
33) Chlordane...	7.508f	8.426f	8767778	53934	304.218	1.680 #
34) Chlordane...	8.109f	9.055	75904	53045	9.977	4.996 #
35) Chlordane...	3.792f	3.799	473452	20043878	NoCal	NoCal
36) Toxaphene...	7.508	8.633	8767778	7453666	8324.720	2756.220 #
37) Toxaphene...	0.000	9.004f	0	85180	N.D.	24.459 #
38) Toxaphene...	8.109	9.004	75904	85180	14.002	12.676
39) Toxaphene...	8.335f	9.055	24662	53045	6.104	5.877
40) Toxaphene...	8.550f	9.243	5413	85298	1.647	16.985 #
41) Toxaphene...	8.645	9.607f	5913380	7717	1361.790	1.375 #
42) Toxaphene...	3.792	3.799	473452	20043878	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 22:32
Operator : MJB
Sample : 0A17019-CCV6
Misc : A19J408, 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: Jan 20 11:12:51 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A17019\
 Data File : ECD5-01172040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 17 Jan 2020 22:49
 Operator : MJB
 Sample : 0A17019-CCB3
 Misc : A19L339
 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: Jan 20 11:12:57 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

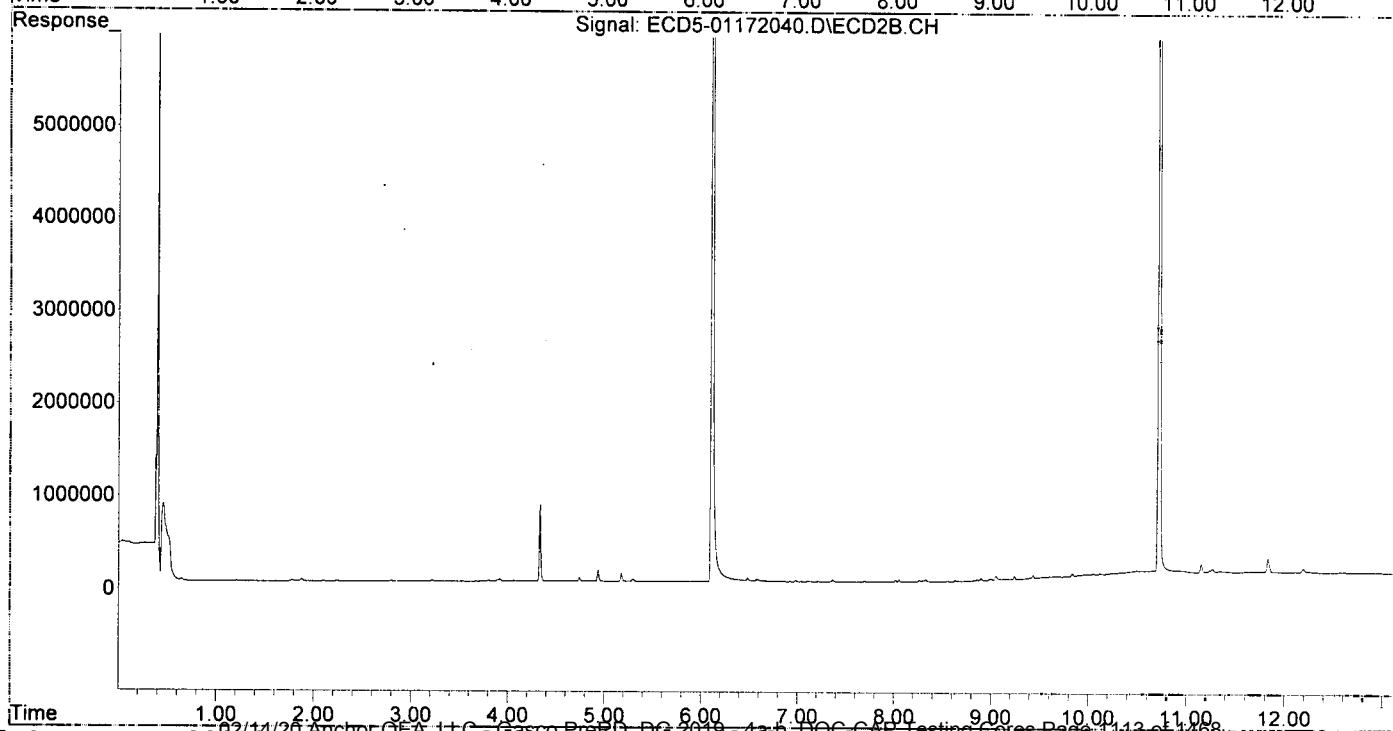
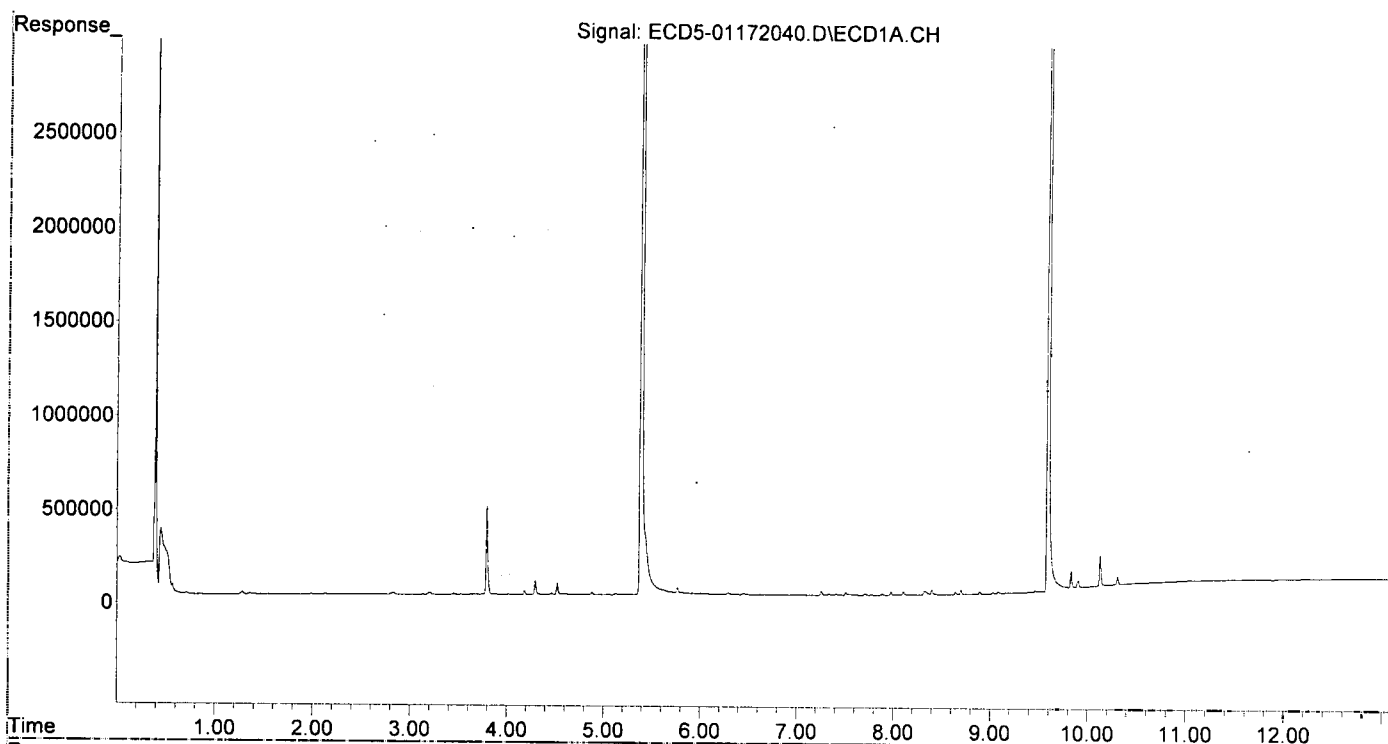
MJB
1/20/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.385	6.111	16910613	29943769	86.605	100.454
22) S DCBP (S)	9.591	10.719	13786202	18391443	93.061	103.353
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	6.292	7.108	8577	4929	5931.915	0.031 #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.453	7.363	7476	20899	0.034	0.120 #
7) Aldrin	0.000	7.695	0	11246	N.D.	0.034 #
8) Heptachlo...	7.336	0.000	7778	0	0.038	N.D. #
9) trans-Chl...	7.410	8.297	6552	11380	0.031	0.036
10) cis-Chlor...	7.510	0.000	15817	0	0.077	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	8.631	0	16585	N.D.	0.054 #
14) Endrin	7.979	8.857	17802	14176	0.103	0.060 #
15) 4,4'-DDD	7.979f	8.898	17802	31549	0.103	0.128
16) Endosulfa...	8.108	9.004	19157	14978	0.112	0.061 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.400	9.242	27615	35261	0.180	0.158
19) Endosulfa...	8.700	9.432	25316	36240	0.158	0.163
20) Methoxychlor	8.545	9.604	2922	7255	0.034	0.061 #
21) Endrin Ke...	8.894	9.835	14531	29623	0.076	0.118 #
23) Hexachlor...	3.205	3.798	11752	14780	0.059	0.037
24) Hexachlor...	5.767	6.581	34240	21969	0.022	0.069 #
25) Oxychlordane	7.255	8.054	20235	21017	BelowCal	0.075
26) 2,4'-DDE	7.336	8.258	7778	15534	0.055	0.074
27) trans-Non...	7.510	8.329	15817	24720	BelowCal	0.080
28) 2,4'-DDD	7.710	8.631	8677	16585	0.068	0.090
29) 2,4'-DDT	7.887	8.857	7437	14176	0.051	BelowCal #
30) cis-Nonac...	7.979	8.898	17802	31549	0.076	0.092
31) Mirex	8.645	9.835	14341	29623	6722.941	BelowCal #
32) Chlordane...	7.410f	8.297	6552	11380	0.279	0.293
33) Chlordane...	7.548	0.000	4929	0	0.171	N.D. #
34) Chlordane...	8.108f	9.051	19157	40540	2.518	3.818 #
35) Chlordane...	3.792f	3.798	473225	14780	NoCal	NoCal
36) Toxaphene...	7.510	8.631	15817	16585	15.018	6.133 #
37) Toxaphene...	0.000	8.986	0	14928	N.D.	4.287 #
38) Toxaphene...	8.108	9.004	19157	14978	0.424	BelowCal #
39) Toxaphene...	8.328f	9.051f	22096	40540	5.469	4.492
40) Toxaphene...	0.000	9.242	0	35261	N.D.	7.021 #
41) Toxaphene...	8.645	9.604f	14341	7255	3.303	1.292 #
42) Toxaphene...	3.792	3.798	473225	14780	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A17019\
Data File : ECD5-01172040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 Jan 2020 22:49
Operator : MJB
Sample : 0A17019-CCB3
Misc : A19L339
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: Jan 20 11:12:57 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



**Organochloride Pesticides by EPA 8081B
Calibration Data**

Sequence 0A08041 (Cal ID A0A0906) DualECD5



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0A08041**

Instrument: **DUALECD5**

Date: **01/08/20 11:11**

Calibration: **A0A0906**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0A08041-BKD2	Water	QC	QC				A20A019
2	0A08041-ICB1	Water	QC	QC				A19L339
3	0A08041-CAL1	Water	QC	QC				A20A094
4	0A08041-CAL2	Water	QC	QC				A20A095
5	0A08041-CAL3	Water	QC	QC				A19K128
6	0A08041-CAL4	Water	QC	QC				A19K130
7	0A08041-CAL5	Water	QC	QC				A19K131
8	0A08041-CAL6	Water	QC	QC				A19K132
9	0A08041-CAL7	Water	QC	QC				A19K133
10	0A08041-CAL8	Water	QC	QC				A19K134
11	0A08041-CAL9	Water	QC	QC				A19K126
12	0A08041-IBL1	Water	QC	QC				
13	0A08041-ICV1	Water	QC	QC				A19I209
14	0A08041-CALA	Water	QC	QC				A20A096
15	0A08041-CALB	Water	QC	QC				A19K263
16	0A08041-CALC	Water	QC	QC				A19K264
17	0A08041-CALD	Water	QC	QC				A19K265
18	0A08041-CALE	Water	QC	QC				A19K266
19	0A08041-CALF	Water	QC	QC				A19J407
20	0A08041-CALG	Water	QC	QC				A19J408
21	0A08041-CALH	Water	QC	QC				A19J409
22	0A08041-CALI	Water	QC	QC				A19K262
23	0A08041-IBL2	Water	QC	QC				
24	0A08041-ICV2	Water	QC	QC				A19J410
25	0A08041-CALJ	Water	QC	QC				A20A097
26	0A08041-CALK	Water	QC	QC				A19K307
27	0A08041-CALL	Water	QC	QC				A19K308
28	0A08041-CALM	Water	QC	QC				A19K309
29	0A08041-CALN	Water	QC	QC				A19K310
30	0A08041-CALO	Water	QC	QC				A19K311
31	0A08041-CALP	Water	QC	QC				A19K306
32	0A08041-IBL3	Water	QC	QC				
33	0A08041-ICV3	Water	QC	QC				A19K312
34	0A08041-CALQ	Water	QC	QC				A20A098
35	0A08041-CALR	Water	QC	QC				A19J417
36	0A08041-CALS	Water	QC	QC				A19J418
37	0A08041-CALT	Water	QC	QC				A19J419
38	0A08041-CALU	Water	QC	QC				A19J420
39	0A08041-CALV	Water	QC	QC				A19J421
40	0A08041-CALW	Water	QC	QC				A19J416
41	0A08041-IBL4	Water	QC	QC				
42	0A08041-ICV4	Water	QC	QC				A19J422

Data Entered By: MJB 1/9/20

Comments: ICAL

Data Reviewed By: MJB 1/9/20

Calibration Status Report DUALECD5

Method Path : R:\methods\
 Method File : ECD5_QUANTPEST_200107.M
 Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response Via : Initial Calibration

AOA 0906

*MJB
1/9/20*

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	R:\data\2020-01\0A08041\ECD5-01082042.D
2	2	50	0	R:\data\2020-01\0A08041\ECD5-01082043.D
3	3	100	0	R:\data\2020-01\0A08041\ECD5-01082044.D
4	4	200	0	R:\data\2020-01\0A08041\ECD5-01082045.D
5	5	500	0	R:\data\2020-01\0A08041\ECD5-01082046.D
6	6	1000	0	R:\data\2020-01\0A08041\ECD5-01082047.D
7	7	2000	0	R:\data\2020-01\0A08041\ECD5-01082048.D
8	8	-1	0	R:\data\2020-01\0A08041\ECD5-01082029.D
9	9	-1	0	R:\data\2020-01\0A08041\ECD5-01082030.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jan 09 11:10 2020	Jan 09 11:03 2020	08 Jan 2020 23:41
2	2	Jan 09 11:10 2020	Jan 09 11:04 2020	08 Jan 2020 23:58
3	3	Jan 09 11:10 2020	Jan 09 11:05 2020	09 Jan 2020 0:15
4	4	Jan 09 11:11 2020	Jan 09 11:05 2020	09 Jan 2020 0:32
5	5	Jan 09 11:11 2020	Jan 09 11:07 2020	09 Jan 2020 0:50
6	6	Jan 09 11:11 2020	Jan 09 11:06 2020	09 Jan 2020 1:07
7	7	Jan 09 11:11 2020	Jan 09 11:07 2020	09 Jan 2020 1:24
8	8	Jan 09 11:09 2020	Jan 09 10:53 2020	08 Jan 2020 19:59
9	9	Jan 09 11:09 2020	Jan 09 10:54 2020	08 Jan 2020 20:16

ECD5_QUANTPEST_200107.M Thu Jan 09 14:29:55 2020

Calibration Report DUALECD5

Method Path R:\methods\
 Method File ECD5_QUANTPEST_200107.M
 Title : Instrument: DualECD5
 Last Update Thu Jan 09 11:11:29 2020
 Response Via Initial Calibration

Calibration Files

1 =ECD5-01082042 2 =ECD5-01082043 3 =ECD5-01082044 4 =ECD5-01082045 5 =ECD5-01082046
 6 =ECD5-01082047 7 =ECD5-01082048 8 =ECD5-01082029 9 =ECD5-01082030

Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S. TCMX (S)	Avg	-----	1.9526 e5	-----	0.0804
2) a-BHC	Avg	-----	2.6316 e5	-----	0.0190
3) g-BHC	Avg	-----	2.3350 e5	-----	0.0183
4) b-BHC	Quad	1.6419 e4	9.8035 e4	-1.6527 e1	0.9994
5) Heptachlor	Avg	-----	2.2724 e5	-----	0.0407
6) d-BHC	Avg	-----	2.1784 e5	-----	0.0334
7) Aldrin	Avg	-----	2.2064 e5	-----	0.0214
8) Heptachlor Epoxide	Avg	-----	2.0616 e5	-----	0.0518
9) trans-Chlordane	Avg	-----	2.1072 e5	-----	0.0349
10) cis-Chlordane	Avg	-----	2.0463 e5	-----	0.0485
11) Endosulfan I	Avg	-----	1.9380 e5	-----	0.0513
12) 4,4'-DDE	Avg	-----	2.0619 e5	-----	0.0166
13) Dieldrin	Avg	-----	2.1538 e5	-----	0.0214
14) Endrin	Avg	-----	1.7302 e5	-----	0.0668
15) 4,4'-DDD	Avg	-----	1.7265 e5	-----	0.0218
16) Endosulfan II	Avg	-----	1.7062 e5	-----	0.0756
17) 4,4'-DDT	Avg	-----	1.6566 e5	-----	0.0435
18) Endrin Aldehyde	Avg	-----	1.5311 e5	-----	0.0800
19) Endosulfan Sulfate	Avg	-----	1.6004 e5	-----	0.0532
20) Methoxychlor	Avg	-----	8.6608 e4	-----	0.0605
21) Endrin Ketone	Avg	-----	1.9097 e5	-----	0.0236
22) S DCBP (S)	Quad	2.3268 e4	1.4960 e5	-1.8397 e1	0.9989
23) Hexachlorobutadiene	Avg	-----	1.9945 e5	-----	0.0981
24) Hexachlorobenzene	Quad	2.9978 e4	1.9264 e5	1.8763	0.9962
25) Oxychlordane	Quad	3.5543 e4	1.7429 e5	2.1636 e1	0.9947
26) 2,4'-DDE	Avg	-----	1.4259 e5	-----	0.0981
27) trans-Nonachlor	Quad	3.1077 e4	1.9823 e5	1.7689 e1	0.9961
28) 2,4'-DDD	Avg	-----	1.2723 e5	-----	0.0899
29) 2,4'-DDT	Avg	-----	1.4648 e5	-----	0.0983
30) cis-Nonachlor	Avg	-----	2.3570 e5	-----	0.0909
31) Mirex	Quad	3.3267 e4	1.3487 e5	-2.0062 e1	0.9918
32) Chlordane (1)	Avg	-----	2.3462 e4	-----	0.0395
33) Chlordane (2)	Avg	-----	2.8821 e4	-----	0.0350
34) Chlordane (3)	Avg	-----	7.6076 e3	-----	0.0633
35) Chlordane - AVE	Avg	-----	-----	-----	0.0000
36) Toxaphene (1)	Avg	-----	1.0532 e3	-----	0.0794
37) Toxaphene (2)	Avg	-----	1.9447 e3	-----	0.0738
38) Toxaphene (3)	Quad	1.7387 e4	4.1786 e3	0.0557	0.9986
39) Toxaphene (4)	Avg	-----	4.0400 e3	-----	0.0497
40) Toxaphene (5)	Avg	-----	3.2878 e3	-----	0.0355
41) Toxaphene (6)	Avg	-----	4.3424 e3	-----	0.0566
42) Toxaphene - AVE	Avg	-----	-----	-----	0.0000

MJB
1/9/20

Signal #2

Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S TCMX (S)	Avg	-----	2.9808 e5	-----	0.0587
2) a-BHC	Avg	-----	4.1295 e5	-----	0.0894
3) g-BHC	Avg	-----	3.6510 e5	-----	0.0715
4) b-BHC	Avg	-----	1.6086 e5	-----	0.0718
5) Heptachlor	Avg	-----	3.5449 e5	-----	0.0728
6) d-BHC	Quad	-1.9393 e4	3.3588 e5	3.9787 e2	0.9968
7) Aldrin	Avg	-----	3.3308 e5	-----	0.0639

8)	Heptachlor Expoxide	Avg	-----	3.0804 e5	-----	0.0552
9)	trans-Chlordane	Avg	-----	3.1183 e5	-----	0.0623
10)	cis-Chlordane	Avg	-----	2.9665 e5	-----	0.0474
11)	Endosulfan I	Avg	-----	2.7788 e5	-----	0.0595
12)	4,4'-DDE	Quad	-9.6262 e3	2.9077 e5	3.6238 e2	0.9979
13)	Dieldrin	Avg	-----	3.0893 e5	-----	0.0776
14)	Endrin	Avg	-----	2.3497 e5	-----	0.0933
15)	4,4'-DDD	Avg	-----	2.4581 e5	-----	0.0971
16)	Endosulfan II	Avg	-----	2.4430 e5	-----	0.0776
17)	4,4'-DDT	Quad	-6.2328 e3	2.1337 e5	4.0170 e2	0.9966
18)	Endrin Aldehyde	Avg	-----	2.2360 e5	-----	0.0489
19)	Endosulfan Sulfate	Avg	-----	2.2167 e5	-----	0.0799
20)	Methoxychlor	Avg	-----	1.1893 e5	-----	0.0918
21)	Endrin Ketone	Avg	-----	2.5043 e5	-----	0.0975
22) S	DCBP (S)	Avg	-----	1.7795 e5	-----	0.0846
23)	Hexachlorobutadiene	Avg	-----	4.0073 e5	-----	0.0684
24)	Hexachlorobenzene	Avg	-----	3.2010 e5	-----	0.0850
25)	Oxychlorane	Avg	-----	2.7969 e5	-----	0.0948
26)	2,4'-DDE	Avg	-----	2.1059 e5	-----	0.0853
27)	trans-Nonachlor	Avg	-----	3.0749 e5	-----	0.0865
28)	2,4'-DDD	Avg	-----	1.8444 e5	-----	0.0961
29)	2,4'-DDT	Quad	1.9201 e4	1.8390 e5	3.4248 e2	0.9962
30)	cis-Nonachlor	Avg	-----	3.4114 e5	-----	0.0896
31)	Mirex	Quad	4.6564 e4	1.7252 e5	1.8989 e2	0.9939
32)	Chlordane (1)	Avg	-----	3.8897 e4	-----	0.0816
33)	Chlordane (2)	Avg	-----	3.2098 e4	-----	0.0642
34)	Chlordane (3)	Avg	-----	1.0618 e4	-----	0.0935
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	2.7043 e3	-----	0.0563
37)	Toxaphene (2)	Avg	-----	3.4826 e3	-----	0.0559
38)	Toxaphene (3)	Quad	2.0271 e4	5.1151 e3	0.4339	0.9999
39)	Toxaphene (4)	Avg	-----	9.0257 e3	-----	0.0752
40)	Toxaphene (5)	Avg	-----	5.0220 e3	-----	0.0635
41)	Toxaphene (6)	Avg	-----	5.6142 e3	-----	0.0691
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

ECD5_QUANTPEST_200107.M Thu Jan 09 15:22:53 2020

Element Calibration Review Sheet

Calibration ID: AOA0906

Instrument: DUALECD5

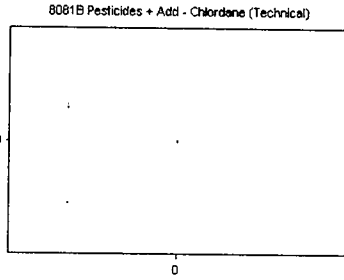
Calibration Date: 01/09/2020

Analysis: 8081B Pesticides + Add

Instrument Cal ID: ECD5_QUANTPEST_20010

Chlordane (Technical)

Curve Fit: AVERAGE RF

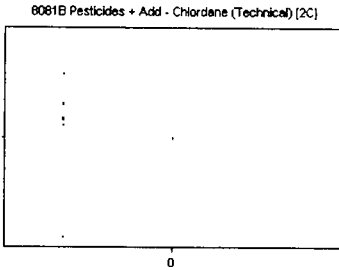


Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	40	0	0.000	0.00
0A08041-CALK	50	0	0.000	0.00
0A08041-CALL	100	0	0.000	0.00
0A08041-CALM	200	0	0.000	0.00
0A08041-CALN	500	0	0.000	0.00
0A08041-CALO	1000	0	0.000	0.00
0A08041-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Chlordane (Technical) [2C]

Curve Fit: AVERAGE RF

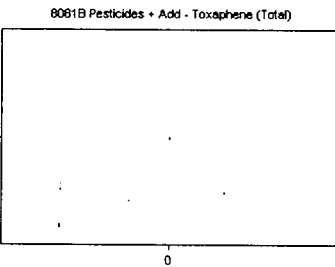


Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	40	0	0.000	0.00
0A08041-CALK	50	0	0.000	0.00
0A08041-CALL	100	0	0.000	0.00
0A08041-CALM	200	0	0.000	0.00
0A08041-CALN	500	0	0.000	0.00
0A08041-CALO	1000	0	0.000	0.00
0A08041-CALP	2000	0	0.000	0.00

AVE RF 0.000 RF RSD 0.00 AVE RT 0.00

Toxaphene (Total)

Curve Fit: AVERAGE RF

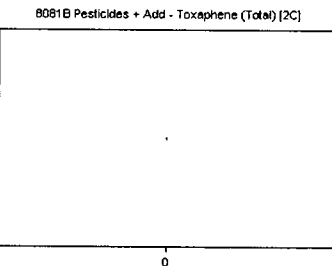


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	40	0	0.000	0.00
0A08041-CALR	50	0	0.000	0.00
0A08041-CALS	100	0	0.000	0.00
0A08041-CALT	200	0	0.000	0.00
0A08041-CALU	500	0	0.000	0.00
0A08041-CALV	1000	0	0.000	0.00
0A08041-CALW	2000	0	0.000	0.00

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
0A08041-CALQ	40	0	0.000	0.00
0A08041-CALR	50	0	0.000	0.00
0A08041-CALS	100	0	0.000	0.00
0A08041-CALT	200	0	0.000	0.00
0A08041-CALU	500	0	0.000	0.00
0A08041-CALV	1000	0	0.000	0.00
0A08041-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: **AOA0906**

Instrument: **DUALECD5**

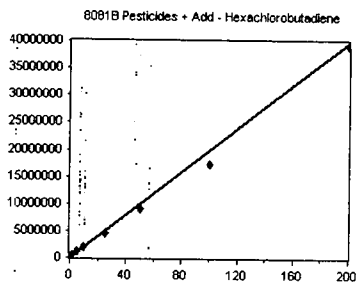
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

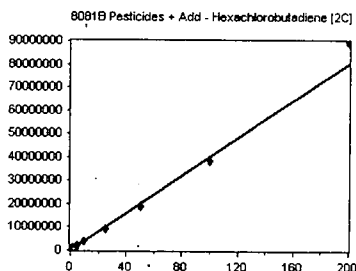


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	111441	222882.000	3.20
0A08041-CALB	1	233620	233620.000	3.20
0A08041-CALC	2	399253	199626.500	3.20
0A08041-CALD	5	1045541	209108.200	3.20
0A08041-CALE	10	1945769	194576.900	3.20
0A08041-CALF	25	4597497	183899.900	3.20
0A08041-CALG	50	9074096	181481.900	3.21
0A08041-CALH	100	1.739457E+07	173945.700	3.21
0A08041-CALI	200	3.917575E+07	195878.800	3.21

AVE RF 199446.700 **RF RSD** 9.81 **AVE RT** 3.20

Hexachlorobutadiene [2C]

Curve Fit: **AVERAGE RF**

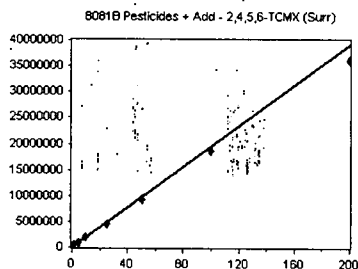


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	211151	422302.000	3.81
0A08041-CALB	1	433391	433391.000	3.81
0A08041-CALC	2	769290	384645.000	3.81
0A08041-CALD	5	2029333	405866.600	3.81
0A08041-CALE	10	3803037	380303.700	3.81
0A08041-CALF	25	9313071	372522.800	3.81
0A08041-CALG	50	1.891409E+07	378281.800	3.81
0A08041-CALH	100	3.822985E+07	382298.500	3.82
0A08041-CALI	200	8.938687E+07	446934.400	3.82

AVE RF 400727.300 **RF RSD** 6.84 **AVE RT** 3.81

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

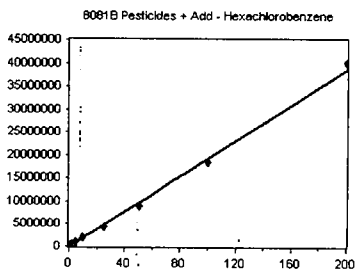


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	112863	225726.000	5.40
0A08041-CAL2	1	211254	211254.000	5.40
0A08041-CAL3	2	415516	207758.000	5.40
0A08041-CAL4	5	950074	190014.800	5.40
0A08041-CAL5	10	1840383	184038.300	5.40
0A08041-CAL6	25	4644520	185780.800	5.40
0A08041-CAL7	50	9333732	186674.600	5.40
0A08041-CAL8	100	1.860801E+07	186080.100	5.40
0A08041-CAL9	200	3.600419E+07	180021.000	5.40

AVE RF 195260.800 **RF RSD** 8.04 **AVE RT** 5.40

Hexachlorobenzene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	122709	245418.000	5.78
0A08041-CALB	1	233462	233462.000	5.78
0A08041-CALC	2	418552	209276.000	5.78
0A08041-CALD	5	1068601	213720.200	5.78
0A08041-CALE	10	2009121	200912.100	5.78
0A08041-CALF	25	4493137	179725.500	5.78
0A08041-CALG	50	9072972	181459.400	5.78
0A08041-CALH	100	1.858538E+07	185853.800	5.78
0A08041-CALI	200	4.017022E+07	200851.100	5.79

AVE RF 205630.900 **RF RSD** 11.05 **AVE RT** 5.78

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

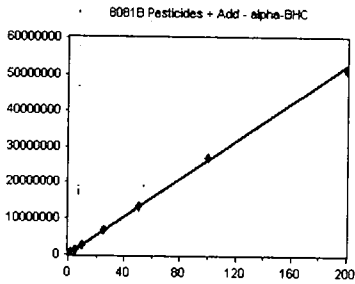
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

alpha-BHC

Curve Fit: **AVERAGE RF**

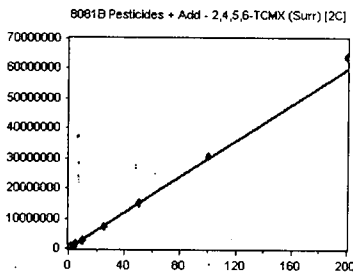


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	133246	266492.000	5.94
0A08041-CAL2	1	256973	256973.000	5.94
0A08041-CAL3	2	537497	268748.500	5.94
0A08041-CAL4	5	1306500	261300.000	5.94
0A08041-CAL5	10	2577924	257792.400	5.94
0A08041-CAL6	25	6708027	268321.100	5.94
0A08041-CAL7	50	1.321685E+07	264337.000	5.94
0A08041-CAL8	100	2.676178E+07	267617.800	5.94
0A08041-CAL9	200	5.137859E+07	256893.000	5.94

AVE RF 263163.900 **RF RSD** 1.90 **AVE RT** 5.94

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **AVERAGE RF**

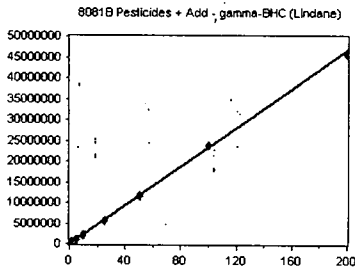


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	158219	316438.000	6.12
0A08041-CAL2	1	311231	311231.000	6.13
0A08041-CAL3	2	589045	294522.500	6.13
0A08041-CAL4	5	1376103	275220.600	6.13
0A08041-CAL5	10	2696320	269632.000	6.13
0A08041-CAL6	25	7248704	289948.200	6.13
0A08041-CAL7	50	1.49735E+07	299470.000	6.13
0A08041-CAL8	100	3.072632E+07	307263.200	6.13
0A08041-CAL9	200	6.380501E+07	319025.000	6.13

AVE RF 298083.400 **RF RSD** 5.87 **AVE RT** 6.13

gamma-BHC (Lindane)

Curve Fit: **AVERAGE RF**

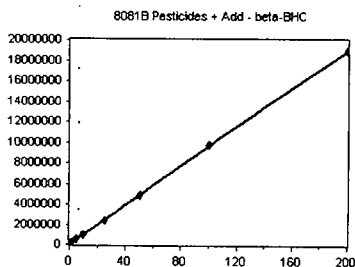


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	120283	240566.000	6.23
0A08041-CAL2	1	234366	234366.000	6.23
0A08041-CAL3	2	471506	235753.000	6.23
0A08041-CAL4	5	1166721	233344.200	6.22
0A08041-CAL5	10	2268745	226874.500	6.22
0A08041-CAL6	25	5763650	230546.000	6.23
0A08041-CAL7	50	1.170812E+07	234162.400	6.23
0A08041-CAL8	100	2.371919E+07	237191.900	6.23
0A08041-CAL9	200	4.574073E+07	228703.600	6.23

AVE RF 233500.800 **RF RSD** 1.83 **AVE RT** 6.23

beta-BHC

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	65009	130018.000	6.30
0A08041-CAL2	1	114282	114282.000	6.30
0A08041-CAL3	2	220797	110398.500	6.30
0A08041-CAL4	5	509830	101966.000	6.30
0A08041-CAL5	10	961397	96139.700	6.30
0A08041-CAL6	25	2412054	96482.160	6.30
0A08041-CAL7	50	4896621	97932.420	6.30
0A08041-CAL8	100	9778496	97784.960	6.30
0A08041-CAL9	200	1.888572E+07	94428.600	6.30

AVE RF 104381.400 **RF RSD** 11.29 **AVE RT** 6.30

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

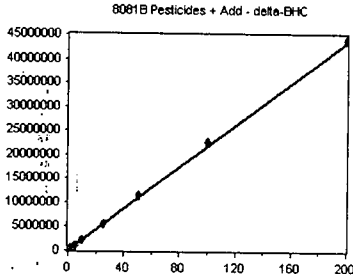
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

delta-BHC

Curve Fit: **AVERAGE RF**

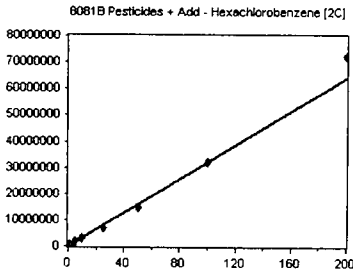


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	111153	222306.000	6.45
0A08041-CAL2	1	208419	208419.000	6.45
0A08041-CAL3	2	432587	216293.500	6.45
0A08041-CAL4	5	1063446	212689.200	6.45
0A08041-CAL5	10	2076601	207660.100	6.45
0A08041-CAL6	25	5473600	218944.000	6.45
0A08041-CAL7	50	1.142903E+07	228580.600	6.45
0A08041-CAL8	100	2.255994E+07	225599.400	6.45
0A08041-CAL9	200	4.401698E+07	220084.900	6.45

AVE RF 217841.900 RF RSD 3.34 AVE RT 6.45

Hexachlorobenzene [2C]

Curve Fit: **AVERAGE RF**

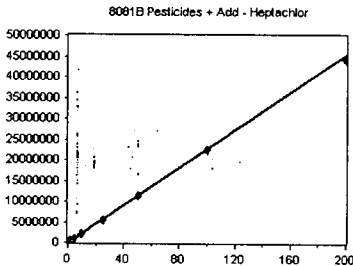


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	175732	351464.000	6.60
0A08041-CALB	1	346466	346466.000	6.60
0A08041-CALC	2	608347	304173.500	6.60
0A08041-CALD	5	1591805	318361.000	6.60
0A08041-CALE	10	3000124	300012.400	6.59
0A08041-CALF	25	7094857	283794.300	6.59
0A08041-CALG	50	1.472284E+07	294456.800	6.59
0A08041-CALH	100	3.220521E+07	322052.100	6.60
0A08041-CALI	200	7.202848E+07	360142.400	6.60

AVE RF 320102.500 RF RSD 8.50 AVE RT 6.59

Heptachlor

Curve Fit: **AVERAGE RF**

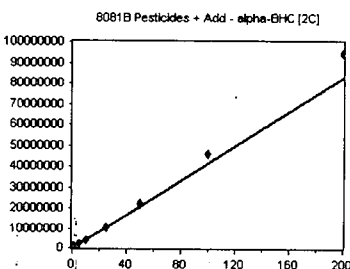


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	122190	244380.000	6.64
0A08041-CAL2	1	233856	233856.000	6.64
0A08041-CAL3	2	456995	228497.500	6.64
0A08041-CAL4	5	1163113	232622.600	6.64
0A08041-CAL5	10	2147477	214747.700	6.64
0A08041-CAL6	25	5435552	217422.100	6.64
0A08041-CAL7	50	1.143657E+07	228731.400	6.64
0A08041-CAL8	100	2.252592E+07	225259.200	6.64
0A08041-CAL9	200	4.392158E+07	219607.900	6.64

AVE RF 227236.000 RF RSD 4.07 AVE RT 6.64

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	185876	371752.000	6.73
0A08041-CAL2	1	379209	379209.000	6.74
0A08041-CAL3	2	767270	383635.000	6.73
0A08041-CAL4	5	1977180	395436.000	6.73
0A08041-CAL5	10	3955799	395579.900	6.73
0A08041-CAL6	25	1.041547E+07	416618.800	6.74
0A08041-CAL7	50	2.208932E+07	441786.400	6.74
0A08041-CAL8	100	4.600992E+07	460099.200	6.73
0A08041-CAL9	200	9.449035E+07	472451.800	6.74

AVE RF 412952.000 RF RSD 8.94 AVE RT 6.73

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

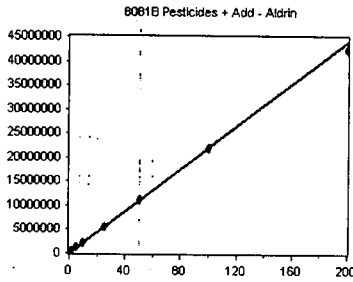
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Aldrin

Curve Fit: **AVERAGE RF**

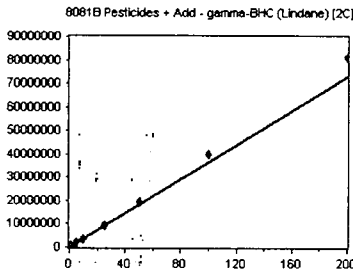


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	113031	226062.000	6.88
0A08041-CAL2	1	224047	224047.000	6.88
0A08041-CAL3	2	440039	220019.500	6.88
0A08041-CAL4	5	1111711	222342.200	6.88
0A08041-CAL5	10	2163245	216324.500	6.88
0A08041-CAL6	25	5637637	225505.500	6.88
0A08041-CAL7	50	1.108784E+07	221756.800	6.88
0A08041-CAL8	100	2.182767E+07	218276.700	6.88
0A08041-CAL9	200	4.228299E+07	211415.000	6.88

AVE RF 220638.800 **RF RSD** 2.14 **AVE RT** 6.88

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

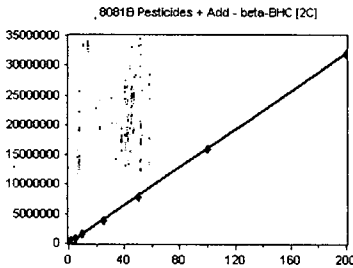


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	175442	350884.000	7.05
0A08041-CAL2	1	343398	343398.000	7.06
0A08041-CAL3	2	677169	338584.500	7.05
0A08041-CAL4	5	1723036	344607.200	7.05
0A08041-CAL5	10	3502209	350220.900	7.05
0A08041-CAL6	25	9109081	364363.300	7.05
0A08041-CAL7	50	1.934841E+07	386968.200	7.06
0A08041-CAL8	100	4.010865E+07	401086.500	7.05
0A08041-CAL9	200	8.115283E+07	405764.200	7.06

AVE RF 365097.400 **RF RSD** 7.15 **AVE RT** 7.05

beta-BHC [2C]

Curve Fit: **AVERAGE RF**

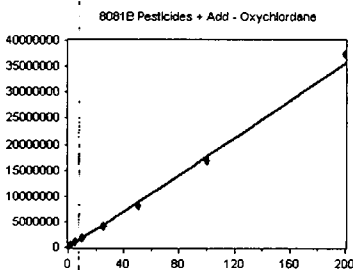


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	92509	185018.000	7.11
0A08041-CAL2	1	172988	172988.000	7.12
0A08041-CAL3	2	320899	160449.500	7.12
0A08041-CAL4	5	782957	156591.400	7.11
0A08041-CAL5	10	1480627	148062.700	7.11
0A08041-CAL6	25	3735653	149426.100	7.12
0A08041-CAL7	50	7821870	156437.400	7.12
0A08041-CAL8	100	1.587219E+07	158721.900	7.11
0A08041-CAL9	200	3.200316E+07	160015.800	7.11

AVE RF 160856.800 **RF RSD** 7.18 **AVE RT** 7.11

Oxychlorane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: ignore**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	118861	237722.000	7.27
0A08041-CALB	1	223883	223883.000	7.27
0A08041-CALC	2	376867	188433.500	7.27
0A08041-CALD	5	992877	198575.400	7.27
0A08041-CALE	10	1829348	182934.800	7.27
0A08041-CALF	25	4098780	163951.200	7.27
0A08041-CALG	50	8215656	164313.100	7.27
0A08041-CALH	100	1.680522E+07	168052.200	7.27
0A08041-CALI	200	3.739266E+07	186963.300	7.27

AVE RF 190536.500 **RF RSD** 13.61 **AVE RT** 7.27

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

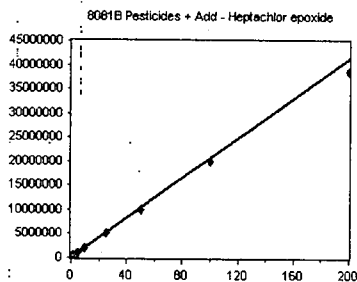
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Heptachlor epoxide

Curve Fit: **AVERAGE RF**

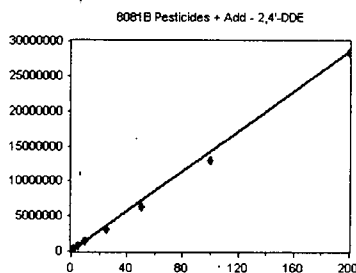


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	112198	224396.000	7.34
0A08041-CAL2	1	218282	218282.000	7.34
0A08041-CAL3	2	427014	213507.000	7.34
0A08041-CAL4	5	1035468	207093.600	7.34
0A08041-CAL5	10	1956671	195667.100	7.34
0A08041-CAL6	25	5116716	204668.600	7.34
0A08041-CAL7	50	9998611	199972.200	7.34
0A08041-CAL8	100	1.986637E+07	198663.700	7.34
0A08041-CAL9	200	3.8629E+07	193145.000	7.34

AVE RF 206155.000 RF RSD 5.18 AVE RT 7.34

2,4'-DDE

Curve Fit: **AVERAGE RF**

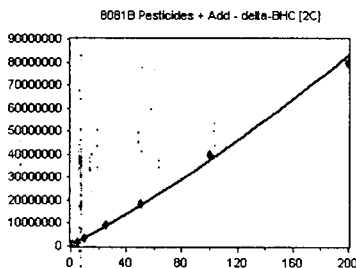


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	81726	163452.000	7.34
0A08041-CALB	1	161136	161136.000	7.34
0A08041-CALC	2	286330	143165.000	7.34
0A08041-CALD	5	750391	150078.200	7.34
0A08041-CALE	10	1426392	142639.200	7.34
0A08041-CALF	25	3149574	125983.000	7.34
0A08041-CALG	50	6308999	126180.000	7.34
0A08041-CALH	100	1.290157E+07	129015.700	7.34
0A08041-CALI	200	2.833477E+07	141673.800	7.34

AVE RF 142591.400 RF RSD 9.81 AVE RT 7.34

delta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

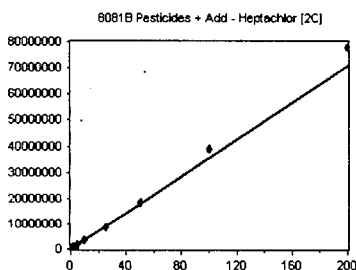


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	153966	307932.000	7.37
0A08041-CAL2	1	310209	310209.000	7.38
0A08041-CAL3	2	603549	301774.500	7.37
0A08041-CAL4	5	1616218	323243.600	7.37
0A08041-CAL5	10	3263098	326309.800	7.37
0A08041-CAL6	25	9124505	364980.200	7.37
0A08041-CAL7	50	1.865751E+07	373150.200	7.38
0A08041-CAL8	100	3.988898E+07	398889.800	7.37
0A08041-CAL9	200	7.956368E+07	397818.400	7.37

AVE RF 344923.100 RF RSD 11.30 AVE RT 7.37

Heptachlor [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	183474	366948.000	7.43
0A08041-CAL2	1	337319	337319.000	7.44
0A08041-CAL3	2	655441	327720.500	7.43
0A08041-CAL4	5	1661120	332224.000	7.43
0A08041-CAL5	10	3263335	326333.500	7.43
0A08041-CAL6	25	8726365	349054.600	7.44
0A08041-CAL7	50	1.847601E+07	369520.200	7.44
0A08041-CAL8	100	3.912069E+07	391206.900	7.43
0A08041-CAL9	200	7.801242E+07	390062.100	7.43

AVE RF 354487.600 RF RSD 7.28 AVE RT 7.43

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

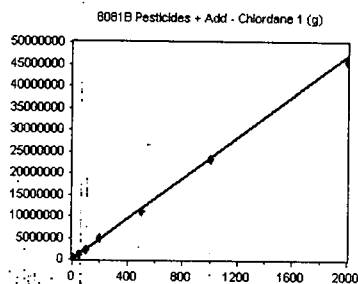
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

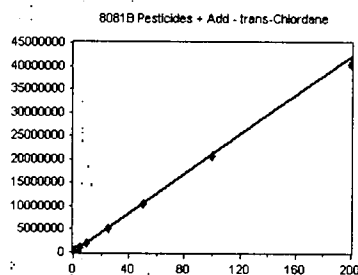


Standard	Concentration	Response	Response Factor	RT
OA08041-CALJ	10	252150	25215.000	7.44
OA08041-CALK	50	1178611	23572.220	7.44
OA08041-CALL	100	2294923	22949.230	7.44
OA08041-CALM	200	4793058	23965.290	7.44
OA08041-CALN	500	1.120629E+07	22412.580	7.44
OA08041-CALO	1000	2.330687E+07	23306.870	7.44
OA08041-CALP	2000	4.562026E+07	22810.130	7.44

AVE RF 23461.620 **RF RSD** 3.95 **AVE RT** 7.44

trans-Chlordane

Curve Fit: **AVERAGE RF**

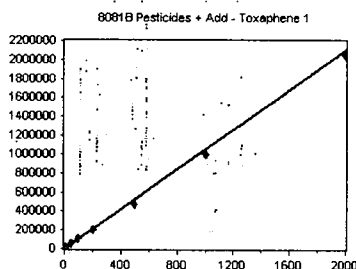


Standard	Concentration	Response	Response Factor	RT
OA08041-CAL1	0.5	112737	225474.000	7.44
OA08041-CAL2	1	218441	218441.000	7.44
OA08041-CAL3	2	425200	212600.000	7.44
OA08041-CAL4	5	1044033	208806.600	7.44
OA08041-CAL5	10	2032056	203205.600	7.44
OA08041-CAL6	25	5203493	208139.700	7.44
OA08041-CAL7	50	1.053302E+07	210660.400	7.44
OA08041-CAL8	100	2.068412E+07	206841.200	7.44
OA08041-CAL9	200	4.045936E+07	202296.800	7.44

AVE RF 210718.400 **RF RSD** 3.49 **AVE RT** 7.44

Toxaphene 1

Curve Fit: **AVERAGE RF**

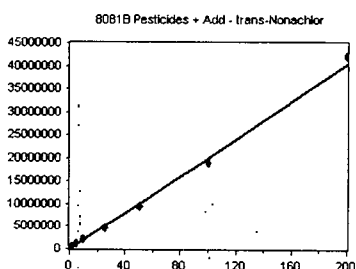


Standard	Concentration	Response	Response Factor	RT
OA08041-CALQ	10	12164	1216.400	7.51
OA08041-CALR	50	54826	1096.520	7.51
OA08041-CALS	100	104733	1047.330	7.51
OA08041-CALT	200	206853	1034.265	7.51
OA08041-CALU	500	479175	958.350	7.51
OA08041-CALV	1000	998436	998.436	7.51
OA08041-CALW	2000	2042518	1021.259	7.51

AVE RF 1053.223 **RF RSD** 7.94 **AVE RT** 7.51

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
OA08041-CALA	0.5	126746	253492.000	7.53
OA08041-CALB	1	240849	240849.000	7.53
OA08041-CALC	2	424879	212439.500	7.53
OA08041-CALD	5	1102633	220526.600	7.53
OA08041-CALE	10	2076481	207648.100	7.53
OA08041-CALF	25	4606719	184268.800	7.53
OA08041-CALG	50	9587997	191759.900	7.53
OA08041-CALH	100	1.903902E+07	190390.200	7.53
OA08041-CALI	200	4.20211E+07	210105.500	7.52

AVE RF 212386.600 **RF RSD** 10.91 **AVE RT** 7.53

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

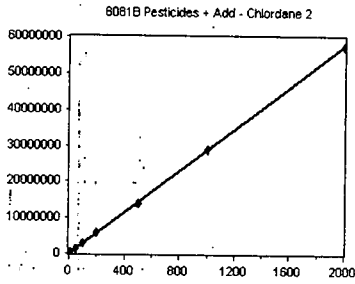
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Chlordane 2

Curve Fit: **AVERAGE RF**

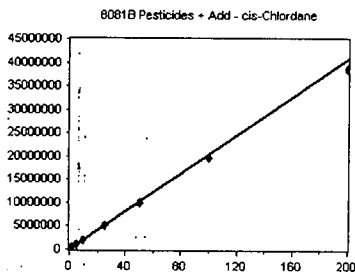


Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	10	308195	30819.500	7.53
0A08041-CALK	50	1443194	28863.880	7.53
0A08041-CALL	100	2780199	27801.990	7.53
0A08041-CALM	200	5801810	29009.050	7.53
0A08041-CALN	500	1.390836E+07	27816.720	7.53
0A08041-CALO	1000	2.873399E+07	28733.990	7.53
0A08041-CALP	2000	5.740022E+07	28700.110	7.53

AVE RF 28820.750 **RF RSD** 3.50 **AVE RT** 7.53

cis-Chlordane

Curve Fit: **AVERAGE RF**

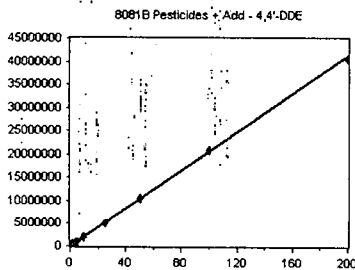


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	112650	225300.000	7.54
0A08041-CAL2	1	212625	212625.000	7.54
0A08041-CAL3	2	422427	211213.500	7.54
0A08041-CAL4	5	1008295	201659.000	7.54
0A08041-CAL5	10	1994276	199427.600	7.53
0A08041-CAL6	25	5032396	201295.800	7.54
0A08041-CAL7	50	9997532	199950.600	7.54
0A08041-CAL8	100	1.962255E+07	196225.500	7.53
0A08041-CAL9	200	3.87896E+07	193948.000	7.53

AVE RF 204627.200 **RF RSD** 4.85 **AVE RT** 7.53

4,4'-DDE

Curve Fit: **AVERAGE RF**

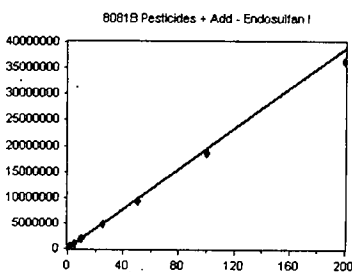


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	102992	205984.000	7.60
0A08041-CAL2	1	201598	201598.000	7.60
0A08041-CAL3	2	411765	205882.500	7.59
0A08041-CAL4	5	1040350	208070.000	7.59
0A08041-CAL5	10	2021392	202139.200	7.59
0A08041-CAL6	25	5211626	208465.000	7.60
0A08041-CAL7	50	1.054831E+07	210966.200	7.60
0A08041-CAL8	100	2.098132E+07	209813.200	7.59
0A08041-CAL9	200	4.055079E+07	202754.000	7.59

AVE RF 206185.800 **RF RSD** 1.66 **AVE RT** 7.59

Endosulfan I

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	104610	209220.000	7.63
0A08041-CAL2	1	208482	208482.000	7.63
0A08041-CAL3	2	400706	200353.000	7.63
0A08041-CAL4	5	958781	191756.200	7.63
0A08041-CAL5	10	1890427	189042.700	7.63
0A08041-CAL6	25	4772332	190893.300	7.63
0A08041-CAL7	50	9321509	186430.200	7.63
0A08041-CAL8	100	1.866818E+07	186681.800	7.63
0A08041-CAL9	200	3.627396E+07	181369.800	7.63

AVE RF 193803.200 **RF RSD** 5.13 **AVE RT** 7.63

Element Calibration Review Sheet

Calibration ID: **A0A0906**

Instrument: **DUALECD5**

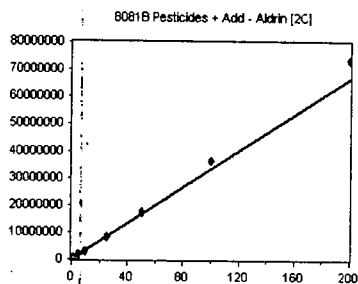
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

Aldrin [2C]

Curve Fit: **AVERAGE RF**

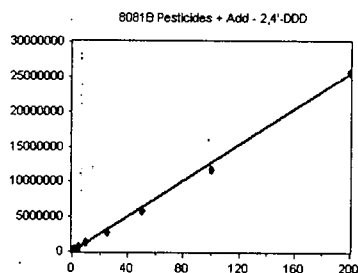


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	161218	322436.000	7.70
0A08041-CAL2	1	314514	314514.000	7.71
0A08041-CAL3	2	629279	314639.500	7.70
0A08041-CAL4	5	1579995	315999.000	7.70
0A08041-CAL5	10	3173256	317325.600	7.70
0A08041-CAL6	25	8363357	334534.300	7.70
0A08041-CAL7	50	1.741975E+07	348395.000	7.71
0A08041-CAL8	100	3.611846E+07	361184.600	7.70
0A08041-CAL9	200	7.369712E+07	368485.600	7.70

AVE RF 333057.100 RF RSD 6.39 AVE RT 7.70

2,4'-DDD

Curve Fit: **AVERAGE RF**

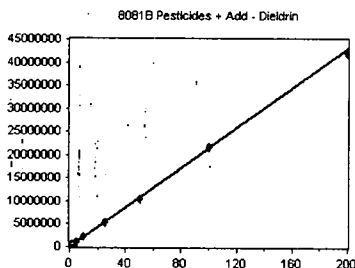


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	71868	143736.000	7.72
0A08041-CALB	1	143303	143303.000	7.72
0A08041-CALC	2	258533	129266.500	7.72
0A08041-CALD	5	654513	130902.600	7.72
0A08041-CALE	10	1263326	126332.600	7.72
0A08041-CALF	25	2775117	111004.700	7.71
0A08041-CALG	50	5793992	115879.800	7.72
0A08041-CALH	100	1.169251E+07	116925.100	7.71
0A08041-CALI	200	2.555101E+07	127755.000	7.71

AVE RF 127233.900 RF RSD 8.99 AVE RT 7.72

Dieldrin

Curve Fit: **AVERAGE RF**

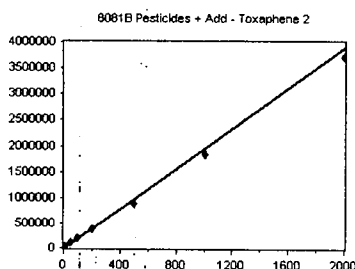


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	111857	223714.000	7.81
0A08041-CAL2	1	218083	218083.000	7.81
0A08041-CAL3	2	434619	217309.500	7.80
0A08041-CAL4	5	1070134	214026.800	7.80
0A08041-CAL5	10	2096792	209679.200	7.80
0A08041-CAL6	25	5425309	217012.400	7.80
0A08041-CAL7	50	1.054024E+07	210804.800	7.80
0A08041-CAL8	100	2.175207E+07	217520.700	7.80
0A08041-CAL9	200	4.204825E+07	210241.200	7.80

AVE RF 215376.800 RF RSD 2.14 AVE RT 7.80

Toxaphene 2

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	21367	2136.700	7.81
0A08041-CALR	50	106490	2129.800	7.81
0A08041-CALS	100	197183	1971.830	7.81
0A08041-CALT	200	382017	1910.085	7.81
0A08041-CALU	500	883414	1766.828	7.81
0A08041-CALV	1000	1834370	1834.370	7.80
0A08041-CALW	2000	3726169	1863.084	7.80

AVE RF 1944.671 RF RSD 7.38 AVE RT 7.80

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

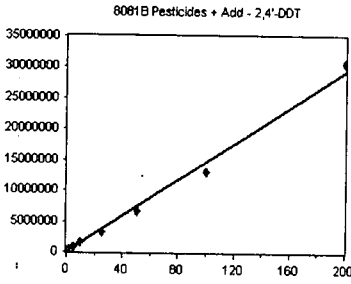
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

2,4'-DDT

Curve Fit: **AVERAGE RF**

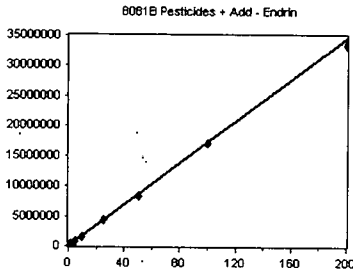


Standard	Concentration	Response	Response Factor	RT
OA08041-CALA	0.5	83331	166662.000	7.90
OA08041-CALB	1	162358	162358.000	7.90
OA08041-CALC	2	289368	144684.000	7.90
OA08041-CALD	5	769647	153929.400	7.90
OA08041-CALE	10	1485096	148509.600	7.90
OA08041-CALF	25	3121710	124868.400	7.90
OA08041-CALG	50	6696394	133927.900	7.90
OA08041-CALH	100	1.301874E+07	130187.400	7.90
OA08041-CALI	200	3.063201E+07	153160.000	7.90

AVE RF 146476.300 **RF RSD** 9.83 **AVE RT** 7.90

Endrin

Curve Fit: **AVERAGE RF**

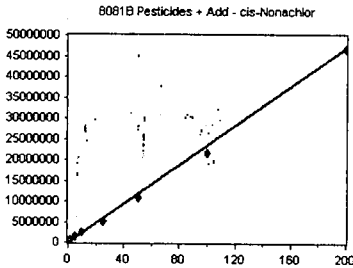


Standard	Concentration	Response	Response Factor	RT
OA08041-CAL1	0.5	93909	187818.000	7.97
OA08041-CAL2	1	188900	188900.000	7.97
OA08041-CAL3	2	366871	183435.500	7.97
OA08041-CAL4	5	807889	161577.800	7.97
OA08041-CAL5	10	1559818	155981.800	7.97
OA08041-CAL6	25	4355756	174230.200	7.97
OA08041-CAL7	50	8377116	167542.300	7.97
OA08041-CAL8	100	1.69906E+07	169906.000	7.97
OA08041-CAL9	200	3.35544E+07	167772.000	7.97

AVE RF 173018.200 **RF RSD** 6.68 **AVE RT** 7.97

cis-Nonachlor

Curve Fit: **AVERAGE RF**

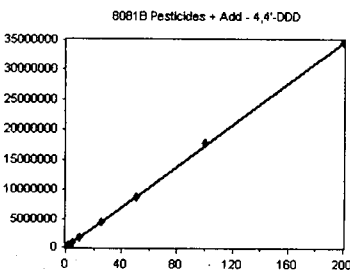


Standard	Concentration	Response	Response Factor	RT
OA08041-CALA	0.5	134243	268486.000	8.00
OA08041-CALB	1	263651	263651.000	8.00
OA08041-CALC	2	471473	235736.500	8.00
OA08041-CALD	5	1247247	249449.400	8.00
OA08041-CALE	10	2325112	232511.200	8.00
OA08041-CALF	25	5230489	209219.600	8.00
OA08041-CALG	50	1.069194E+07	213838.800	8.00
OA08041-CALH	100	2.148972E+07	214897.200	8.00
OA08041-CALI	200	4.669321E+07	233466.000	8.00

AVE RF 235695.100 **RF RSD** 9.09 **AVE RT** 8.00

4,4'-DDD

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
OA08041-CAL1	0.5	86424	172848.000	8.02
OA08041-CAL2	1	170626	170626.000	8.02
OA08041-CAL3	2	350808	175404.000	8.02
OA08041-CAL4	5	829598	165919.600	8.02
OA08041-CAL5	10	1682077	168207.700	8.02
OA08041-CAL6	25	4392393	175695.700	8.02
OA08041-CAL7	50	8716356	174327.100	8.02
OA08041-CAL8	100	1.77532E+07	177532.000	8.02
OA08041-CAL9	200	3.466444E+07	173322.200	8.01

AVE RF 172653.600 **RF RSD** 2.18 **AVE RT** 8.02

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

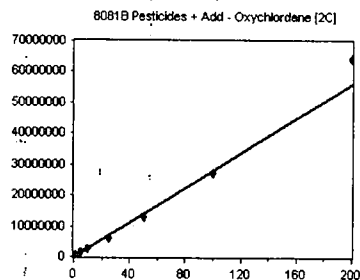
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Oxychlorane [2C]

Curve Fit: **AVERAGE RF**

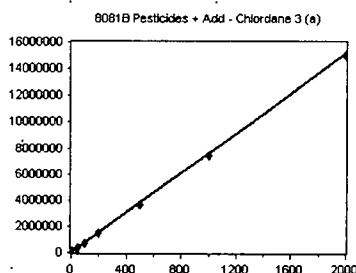


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	156922	313844.000	8.07
0A08041-CALB	1	298417	298417.000	8.07
0A08041-CALC	2	529184	264592.000	8.07
0A08041-CALD	5	1413459	282691.800	8.07
0A08041-CALE	10	2670941	267094.100	8.07
0A08041-CALF	25	6058612	242344.500	8.07
0A08041-CALG	50	1.280108E+07	256021.600	8.07
0A08041-CALH	100	2.714008E+07	271400.800	8.07
0A08041-CALI	200	6.416695E+07	320834.800	8.07

AVE RF 279693.400 RF RSD 9.48 AVE RT 8.07

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

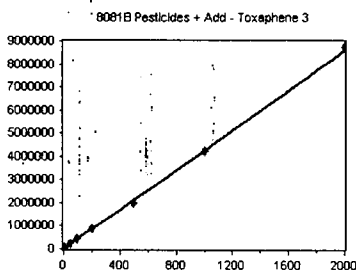


Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	10	86683	8668.300	8.08
0A08041-CALK	50	377844	7556.880	8.08
0A08041-CALL	100	729916	7299.160	8.08
0A08041-CALM	200	1505062	7525.310	8.08
0A08041-CALN	500	3625557	7251.114	8.08
0A08041-CALO	1000	7448098	7448.098	8.08
0A08041-CALP	2000	1.500854E+07	7504.270	8.08

AVE RF 7607.590 RF RSD 6.33 AVE RT 8.08

Toxaphene 3

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

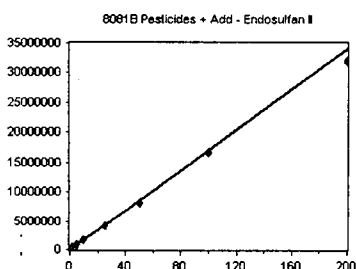


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	58763	5876.300	8.12
0A08041-CALR	50	237969	4759.380	8.12
0A08041-CALS	100	433935	4339.350	8.12
0A08041-CALT	200	864754	4323.770	8.12
0A08041-CALU	500	1995985	3991.970	8.12
0A08041-CALV	1000	4209954	4209.954	8.12
0A08041-CALW	2000	8745207	4372.604	8.12

AVE RF 4553.333 RF RSD 13.76 AVE RT 8.12

Endosulfan II

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	99640	199280.000	8.13
0A08041-CAL2	1	182518	182518.000	8.13
0A08041-CAL3	2	347787	173893.500	8.13
0A08041-CAL4	5	804988	160997.600	8.13
0A08041-CAL5	10	1622090	162209.000	8.13
0A08041-CAL6	25	4183901	167356.000	8.13
0A08041-CAL7	50	8170502	163410.000	8.13
0A08041-CAL8	100	1.657103E+07	165710.300	8.12
0A08041-CAL9	200	3.203793E+07	160189.700	8.12

AVE RF 170618.200 RF RSD 7.56 AVE RT 8.13

Element Calibration Review Sheet

Calibration ID: **A0A0906**

Instrument: **DUALECD5**

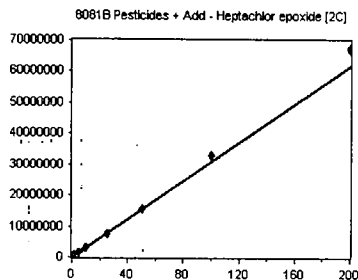
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

Heptachlor epoxide [2C]

Curve Fit: **AVERAGE RF**

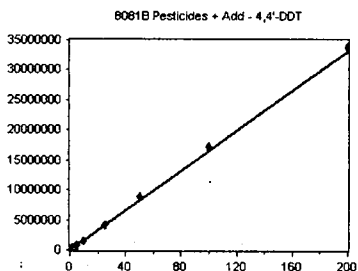


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	158898	317796.000	8.14
0A08041-CAL2	1	296140	296140.000	8.14
0A08041-CAL3	2	586030	293015.000	8.14
0A08041-CAL4	5	1479273	295854.600	8.14
0A08041-CAL5	10	2879584	287958.400	8.14
0A08041-CAL6	25	7570159	302806.400	8.14
0A08041-CAL7	50	1.566857E+07	313371.400	8.14
0A08041-CAL8	100	3.290561E+07	329056.100	8.14
0A08041-CAL9	200	6.72669E+07	336334.500	8.14

AVE RF 308036.900 RF RSD 5.52 AVE RT 8.14

4,4'-DDT

Curve Fit: **AVERAGE RF**

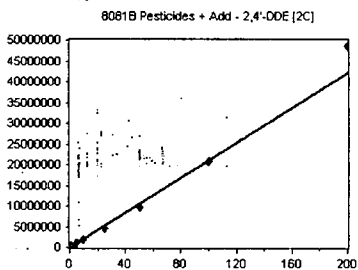


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	84911	169822.000	8.22
0A08041-CAL2	1	163203	163203.000	8.22
0A08041-CAL3	2	319688	159844.000	8.22
0A08041-CAL4	5	789969	157993.800	8.22
0A08041-CAL5	10	1545752	154575.200	8.21
0A08041-CAL6	25	4195442	167817.700	8.22
0A08041-CAL7	50	8824873	176497.500	8.22
0A08041-CAL8	100	1.723039E+07	172303.900	8.21
0A08041-CAL9	200	3.37797E+07	168898.500	8.21

AVE RF 165661.700 RF RSD 4.35 AVE RT 8.21

2,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

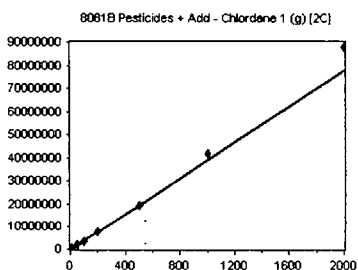


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	115006	230012.000	8.27
0A08041-CALB	1	220925	220925.000	8.27
0A08041-CALC	2	399650	199825.000	8.27
0A08041-CALD	5	1064459	212891.800	8.27
0A08041-CALE	10	2004027	200402.700	8.27
0A08041-CALF	25	4686277	187451.100	8.27
0A08041-CALG	50	9671234	193424.700	8.27
0A08041-CALH	100	2.076304E+07	207630.400	8.27
0A08041-CALI	200	4.855114E+07	242755.700	8.27

AVE RF 210590.900 RF RSD 8.53 AVE RT 8.27

Chlordane 1 (g) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	10	382772	38277.200	8.28
0A08041-CALK	50	1787106	35742.120	8.28
0A08041-CALL	100	3516336	35163.360	8.28
0A08041-CALM	200	7736201	38681.000	8.28
0A08041-CALN	500	1.923403E+07	38468.060	8.28
0A08041-CALO	1000	4.181503E+07	41815.030	8.28
0A08041-CALP	2000	8.826362E+07	44131.810	8.29

AVE RF 38896.940 RF RSD 8.16 AVE RT 8.28

Element Calibration Review Sheet

Calibration ID: **A0A0906**

Instrument: **DUALECD5**

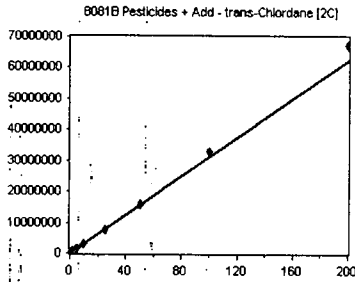
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

trans-Chlordane [2C]

Curve Fit: **AVERAGE RF**

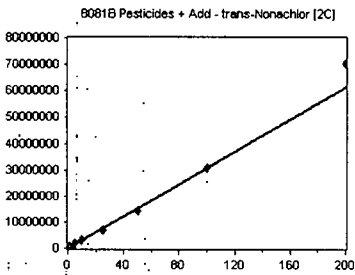


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	169582	339164.000	8.28
0A08041-CAL2	1	302694	302694.000	8.29
0A08041-CAL3	2	579921	289960.500	8.28
0A08041-CAL4	5	1455802	291160.400	8.28
0A08041-CAL5	10	2933717	293371.700	8.28
0A08041-CAL6	25	7709066	308362.600	8.28
0A08041-CAL7	50	1.582814E+07	316562.800	8.28
0A08041-CAL8	100	3.278841E+07	327884.100	8.28
0A08041-CAL9	200	6.746357E+07	337317.800	8.28

AVE RF 311830.900 RF RSD 6.23 AVE RT 8.28

trans-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

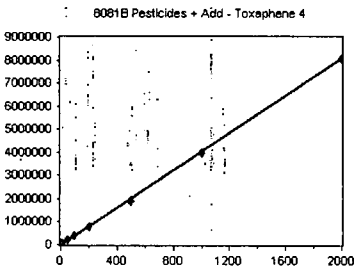


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	167484	334968.000	8.35
0A08041-CALB	1	328300	328300.000	8.35
0A08041-CALC	2	574207	287103.500	8.35
0A08041-CALD	5	1536268	307253.600	8.35
0A08041-CALE	10	2924036	292403.600	8.34
0A08041-CALF	25	6806494	272259.800	8.34
0A08041-CALG	50	1.423711E+07	284742.200	8.34
0A08041-CALH	100	3.073836E+07	307383.600	8.35
0A08041-CALI	200	7.05968E+07	352984.000	8.35

AVE RF 307488.700 RF RSD 8.65 AVE RT 8.34

Toxaphene 4

Curve Fit: **AVERAGE RF**

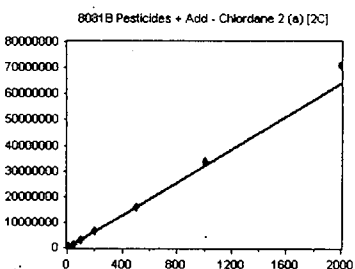


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	44260	4426.000	8.36
0A08041-CALR	50	207485	4149.700	8.36
0A08041-CALS	100	392871	3928.710	8.36
0A08041-CALT	200	791104	3955.520	8.36
0A08041-CALU	500	1900476	3800.952	8.36
0A08041-CALV	1000	3974783	3974.783	8.36
0A08041-CALW	2000	8089085	4044.542	8.36

AVE RF 4040.030 RF RSD 4.97 AVE RT 8.36

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	10	324236	32423.600	8.39
0A08041-CALK	50	1486141	29722.820	8.39
0A08041-CALL	100	2986956	29869.560	8.39
0A08041-CALM	200	6344746	31723.730	8.39
0A08041-CALN	500	1.581953E+07	31639.060	8.39
0A08041-CALO	1000	3.382648E+07	33826.480	8.39
0A08041-CALP	2000	7.096038E+07	35480.190	8.39

AVE RF 32097.920 RF RSD 6.42 AVE RT 8.39

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

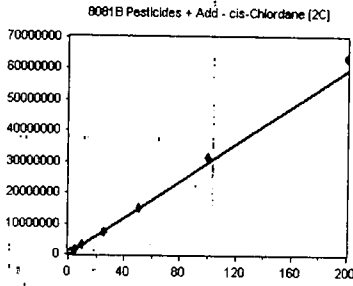
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

cis-Chlordane [2C]

Curve Fit: **AVERAGE RF**

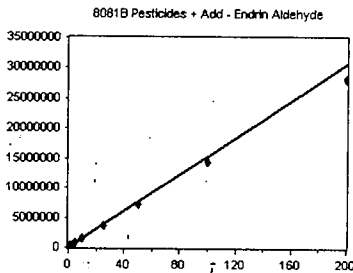


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	150400	300800.000	8.39
0A08041-CAL2	1	292944	292944.000	8.39
0A08041-CAL3	2	574813	287406.500	8.39
0A08041-CAL4	5	1373040	274608.000	8.39
0A08041-CAL5	10	2847805	284780.500	8.39
0A08041-CAL6	25	7320817	292832.700	8.39
0A08041-CAL7	50	1.522267E+07	304453.400	8.39
0A08041-CAL8	100	3.132551E+07	313255.100	8.39
0A08041-CAL9	200	6.374887E+07	318744.400	8.39

AVE RF 296647.200 RF RSD 4.74 AVE RT 8.39

Endrin Aldehyde

Curve Fit: **AVERAGE RF**

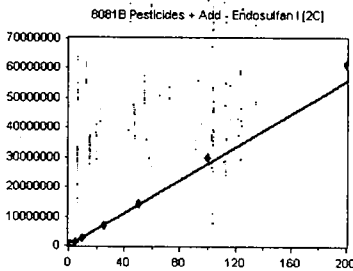


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	87242	174484.000	8.42
0A08041-CAL2	1	168637	168637.000	8.42
0A08041-CAL3	2	322362	161181.000	8.42
0A08041-CAL4	5	766938	153387.600	8.42
0A08041-CAL5	10	1482366	148236.600	8.42
0A08041-CAL6	25	3592714	143708.600	8.42
0A08041-CAL7	50	7206121	144122.400	8.42
0A08041-CAL8	100	1.432283E+07	143228.300	8.41
0A08041-CAL9	200	2.820526E+07	141026.300	8.41

AVE RF 153112.400 RF RSD 8.00 AVE RT 8.42

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**

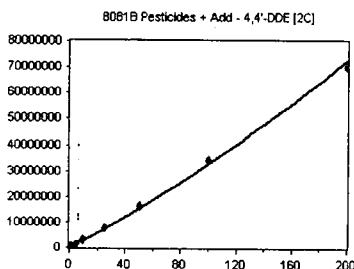


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	140878	281756.000	8.44
0A08041-CAL2	1	271809	271809.000	8.45
0A08041-CAL3	2	526399	263199.500	8.44
0A08041-CAL4	5	1296862	259372.400	8.44
0A08041-CAL5	10	2609537	260953.700	8.44
0A08041-CAL6	25	6856889	274275.600	8.44
0A08041-CAL7	50	1.424768E+07	284953.600	8.44
0A08041-CAL8	100	2.983737E+07	298373.700	8.44
0A08041-CAL9	200	6.125123E+07	306256.200	8.44

AVE RF 277883.300 RF RSD 5.95 AVE RT 8.44

4,4'-DDE [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	139141	278282.000	8.49
0A08041-CAL2	1	277811	277811.000	8.49
0A08041-CAL3	2	541435	270717.500	8.49
0A08041-CAL4	5	1423065	284613.000	8.49
0A08041-CAL5	10	2826462	282646.200	8.49
0A08041-CAL6	25	7706129	308245.200	8.49
0A08041-CAL7	50	1.6343E+07	326860.000	8.49
0A08041-CAL8	100	3.424016E+07	342401.600	8.49
0A08041-CAL9	200	7.013343E+07	350667.200	8.49

AVE RF 302471.500 RF RSD 10.10 AVE RT 8.49

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

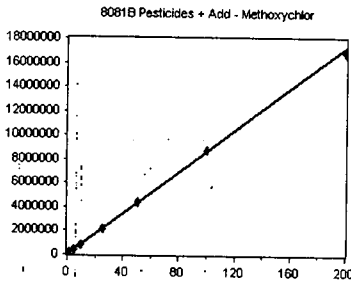
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

Methoxychlor

Curve Fit: **AVERAGE RF**

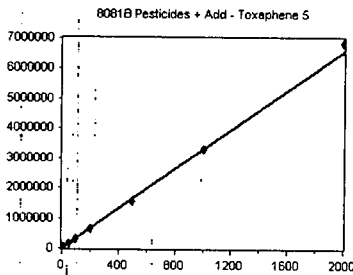


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	48528	97056.000	8.55
0A08041-CAL2	1	89885	89885.000	8.55
0A08041-CAL3	2	177451	88725.500	8.55
0A08041-CAL4	5	413384	82676.800	8.55
0A08041-CAL5	10	785011	78501.100	8.55
0A08041-CAL6	25	2096804	83872.160	8.55
0A08041-CAL7	50	4344332	86886.640	8.55
0A08041-CAL8	100	8765747	87657.470	8.55
0A08041-CAL9	200	1.684284E+07	84214.200	8.55

AVE RF 86608.320 RF RSD 6.05 AVE RT 8.55

Toxaphene 5

Curve Fit: **AVERAGE RF**

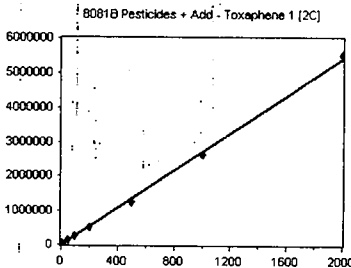


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	33626	3362.600	8.59
0A08041-CALR	50	169348	3386.960	8.59
0A08041-CALS	100	321308	3213.080	8.59
0A08041-CALT	200	655616	3278.080	8.59
0A08041-CALU	500	1539706	3079.412	8.59
0A08041-CALV	1000	3276318	3276.318	8.59
0A08041-CALW	2000	6836043	3418.021	8.59

AVE RF 3287.782 RF RSD 3.55 AVE RT 8.59

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

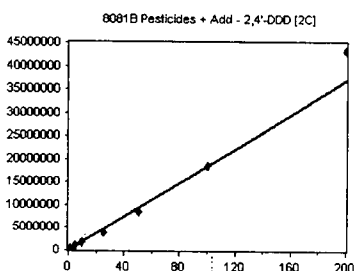


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	29639	2963.900	8.62
0A08041-CALR	50	140732	2814.640	8.62
0A08041-CALS	100	261214	2612.140	8.62
0A08041-CALT	200	527041	2635.205	8.62
0A08041-CALU	500	1253802	2507.604	8.62
0A08041-CALV	1000	2637347	2637.347	8.62
0A08041-CALW	2000	5518631	2759.315	8.62

AVE RF 2704.307 RF RSD 5.63 AVE RT 8.62

2,4'-DDD [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	101849	203698.000	8.64
0A08041-CALB	1	193608	193608.000	8.64
0A08041-CALC	2	345575	172787.500	8.64
0A08041-CALD	5	924181	184836.200	8.64
0A08041-CALE	10	1737598	173759.800	8.64
0A08041-CALF	25	4001030	160041.200	8.64
0A08041-CALG	50	8525916	170518.300	8.64
0A08041-CALH	100	1.843792E+07	184379.200	8.64
0A08041-CALI	200	4.326622E+07	216331.100	8.64

AVE RF 184439.900 RF RSD 9.61 AVE RT 8.64

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

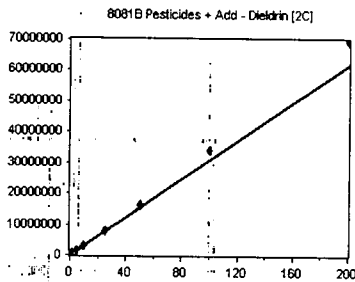
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

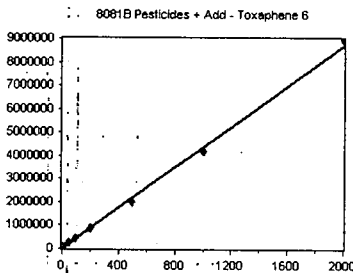


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	147653	295306.000	8.64
0A08041-CAL2	1	291554	291554.000	8.65
0A08041-CAL3	2	580943	290471.500	8.64
0A08041-CAL4	5	1422623	284524.600	8.64
0A08041-CAL5	10	2906015	290601.500	8.64
0A08041-CAL6	25	7861083	314443.300	8.65
0A08041-CAL7	50	1.621846E+07	324369.200	8.65
0A08041-CAL8	100	3.406723E+07	340672.300	8.64
0A08041-CAL9	200	6.968513E+07	348425.600	8.64

AVE RF 308929.800 **RF RSD** 7.76 **AVE RT** 8.64

Toxaphene 6

Curve Fit: **AVERAGE RF**

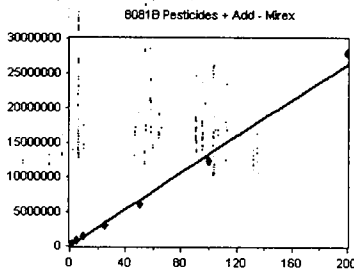


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	47173	4717.300	8.65
0A08041-CALR	50	225107	4502.140	8.65
0A08041-CALS	100	426816	4268.160	8.65
0A08041-CALT	200	851655	4258.275	8.65
0A08041-CALU	500	1981771	3963.542	8.65
0A08041-CALV	1000	4202272	4202.272	8.65
0A08041-CALW	2000	8969660	4484.830	8.65

AVE RF 4342.360 **RF RSD** 5.66 **AVE RT** 8.65

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

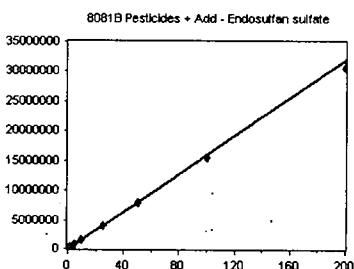


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	96444	192888.000	8.67
0A08041-CALB	1	181371	181371.000	8.67
0A08041-CALC	2	308615	154307.500	8.67
0A08041-CALD	5	779540	155908.000	8.67
0A08041-CALE	10	1404908	140490.800	8.67
0A08041-CALF	25	3051838	122073.500	8.67
0A08041-CALG	50	6228349	124567.000	8.66
0A08041-CALH	100	1.240228E+07	124022.800	8.67
0A08041-CALI	200	2.785054E+07	139252.700	8.66

AVE RF 148320.100 **RF RSD** 17.12 **AVE RT** 8.67

Endosulfan sulfate

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	88205	176410.000	8.72
0A08041-CAL2	1	168846	168846.000	8.72
0A08041-CAL3	2	330471	165235.500	8.72
0A08041-CAL4	5	770166	154033.200	8.72
0A08041-CAL5	10	1505195	150519.500	8.72
0A08041-CAL6	25	3934236	157369.400	8.72
0A08041-CAL7	50	7989432	159788.600	8.72
0A08041-CAL8	100	1.55178E+07	155178.000	8.72
0A08041-CAL9	200	3.058988E+07	152949.400	8.72

AVE RF 160036.600 **RF RSD** 5.32 **AVE RT** 8.72

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

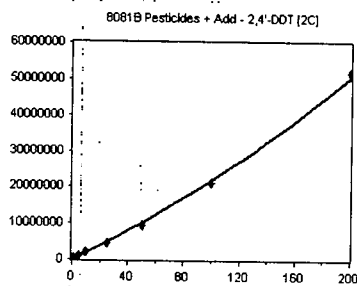
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

2,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

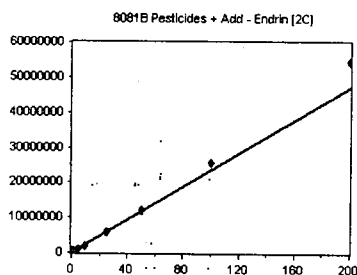


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	108578	217156.000	8.87
0A08041-CALB	1	215626	215626.000	8.87
0A08041-CALC	2	367900	183950.000	8.87
0A08041-CALD	5	1030344	206068.800	8.87
0A08041-CALE	10	1992196	199219.600	8.87
0A08041-CALF	25	4507962	180318.500	8.87
0A08041-CALG	50	9539513	190790.300	8.87
0A08041-CALH	100	2.121051E+07	212105.100	8.87
0A08041-CALI	200	5.180249E+07	259012.400	8.87

AVE RF 207138.500 **RF RSD** 11.42 **AVE RT** 8.87

Endrin [2C]

Curve Fit: **AVERAGE RF**

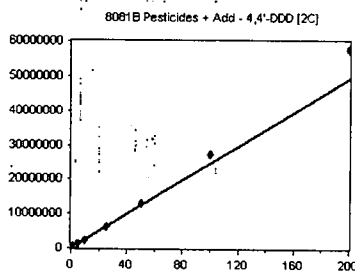


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	120788	241576.000	8.87
0A08041-CAL2	1	230377	230377.000	8.88
0A08041-CAL3	2	456874	228437.000	8.87
0A08041-CAL4	5	1044563	208912.600	8.87
0A08041-CAL5	10	2003395	200339.500	8.87
0A08041-CAL6	25	5981930	239277.200	8.87
0A08041-CAL7	50	1.189736E+07	237947.200	8.88
0A08041-CAL8	100	2.551129E+07	255112.900	8.87
0A08041-CAL9	200	5.454211E+07	272710.600	8.87

AVE RF 234965.600 **RF RSD** 9.33 **AVE RT** 8.87

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

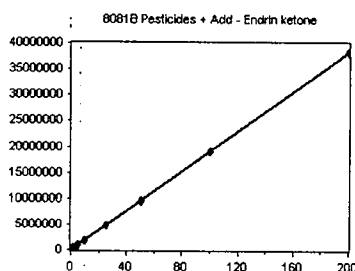


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	113285	226570.000	8.91
0A08041-CAL2	1	228024	228024.000	8.91
0A08041-CAL3	2	453406	226703.000	8.91
0A08041-CAL4	5	1143673	228734.600	8.91
0A08041-CAL5	10	2301063	230106.300	8.91
0A08041-CAL6	25	6163457	246538.300	8.91
0A08041-CAL7	50	1.310563E+07	262112.600	8.91
0A08041-CAL8	100	2.740475E+07	274047.500	8.91
0A08041-CAL9	200	5.788464E+07	289423.200	8.91

AVE RF 245806.600 **RF RSD** 9.71 **AVE RT** 8.91

Endrin ketone

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	99629	199258.000	8.91
0A08041-CAL2	1	194086	194086.000	8.91
0A08041-CAL3	2	383553	191776.500	8.91
0A08041-CAL4	5	939876	187975.200	8.91
0A08041-CAL5	10	1825019	182501.900	8.91
0A08041-CAL6	25	4735111	189404.400	8.91
0A08041-CAL7	50	9580043	191600.900	8.91
0A08041-CAL8	100	1.910356E+07	191035.600	8.91
0A08041-CAL9	200	3.821815E+07	191090.800	8.91

AVE RF 190969.900 **RF RSD** 2.36 **AVE RT** 8.91

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

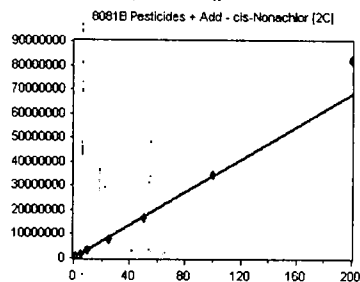
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

cis-Nonachlor [2C]

Curve Fit: **AVERAGE RF**

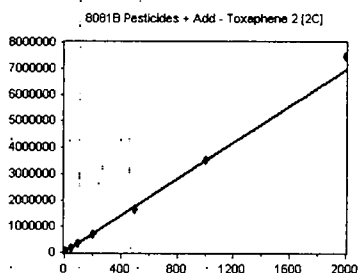


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	177850	355700.000	8.91
0A08041-CALB	1	344851	344851.000	8.91
0A08041-CALC	2	627227	313613.500	8.91
0A08041-CALD	5	1678168	335633.600	8.91
0A08041-CALE	10	3312382	331238.200	8.91
0A08041-CALF	25	7616878	304675.100	8.91
0A08041-CALG	50	1.648161E+07	329632.200	8.91
0A08041-CALH	100	3.438324E+07	343832.400	8.91
0A08041-CALI	200	8.221611E+07	411080.600	8.91

AVE RF 341139.600 RF RSD 8.96 AVE RT 8.91

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**

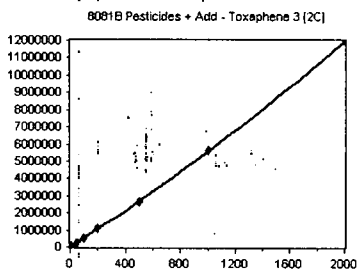


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	37237	3723.700	8.97
0A08041-CALR	50	174093	3481.860	8.97
0A08041-CALS	100	329715	3297.150	8.97
0A08041-CALT	200	671993	3359.965	8.97
0A08041-CALU	500	1627963	3255.926	8.97
0A08041-CALV	1000	3517411	3517.411	8.97
0A08041-CALW	2000	7483834	3741.917	8.97

AVE RF 3482.561 RF RSD 5.59 AVE RT 8.97

Toxaphene 3 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/x^2), Origin: Ignore**

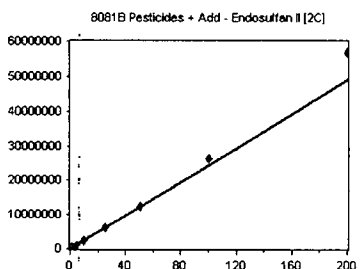


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	70419	7041.900	9.01
0A08041-CALR	50	285157	5703.140	9.01
0A08041-CALS	100	528362	5283.620	9.01
0A08041-CALT	200	1076876	5384.380	9.01
0A08041-CALU	500	2635386	5270.772	9.01
0A08041-CALV	1000	5617496	5617.496	9.01
0A08041-CALW	2000	1.197311E+07	5986.555	9.01

AVE RF 5755.409 RF RSD 10.82 AVE RT 9.01

Endosulfan II [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	122597	245194.000	9.02
0A08041-CAL2	1	234291	234291.000	9.02
0A08041-CAL3	2	461782	230891.000	9.02
0A08041-CAL4	5	1119541	223908.200	9.02
0A08041-CAL5	10	2276288	227628.800	9.02
0A08041-CAL6	25	6151164	246046.600	9.02
0A08041-CAL7	50	1.220787E+07	244157.400	9.02
0A08041-CAL8	100	2.628592E+07	262859.200	9.02
0A08041-CAL9	200	5.674212E+07	283710.600	9.02

AVE RF 244298.500 RF RSD 7.76 AVE RT 9.02

Element Calibration Review Sheet

Calibration ID: **AOA0906**

Instrument: **DUALECD5**

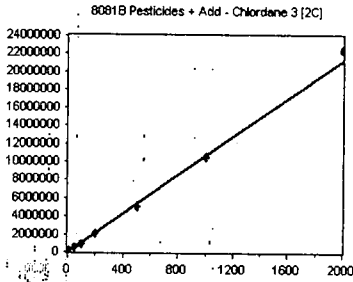
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**

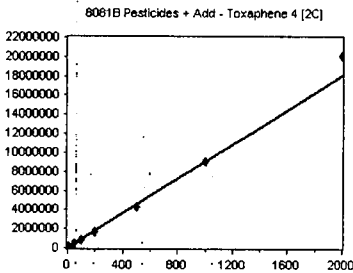


Standard	Concentration	Response	Response Factor	RT
0A08041-CALJ	10	125739	12573.900	9.06
0A08041-CALK	50	498592	9971.840	9.06
0A08041-CALL	100	972427	9724.270	9.06
0A08041-CALM	200	2047397	10236.990	9.06
0A08041-CALN	500	5010516	10021.030	9.06
0A08041-CALO	1000	1.056913E+07	10569.130	9.06
0A08041-CALP	2000	2.245395E+07	11226.970	9.06

AVE RF 10617.730 RF RSD 9.35 AVE RT 9.06

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

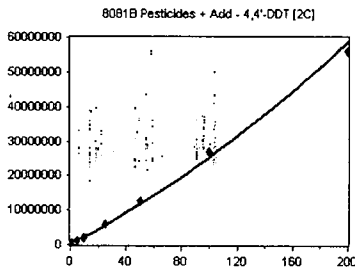


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	99104	9910.400	9.07
0A08041-CALR	50	435032	8700.640	9.07
0A08041-CALS	100	848142	8481.420	9.07
0A08041-CALT	200	1691190	8455.950	9.07
0A08041-CALU	500	4280691	8561.382	9.07
0A08041-CALV	1000	9024517	9024.517	9.07
0A08041-CALW	2000	2.009073E+07	10045.370	9.07

AVE RF 9025.668 RF RSD 7.52 AVE RT 9.07

4,4'-DDT [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

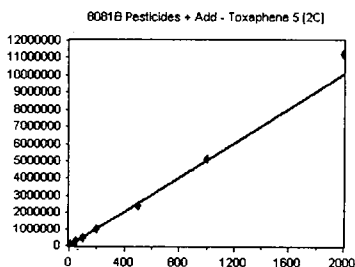


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	103096	206192.000	9.14
0A08041-CAL2	1	203174	203174.000	9.14
0A08041-CAL3	2	408673	204336.500	9.14
0A08041-CAL4	5	1027268	205453.600	9.14
0A08041-CAL5	10	2023340	202334.000	9.14
0A08041-CAL6	25	5749572	229982.900	9.14
0A08041-CAL7	50	1.257699E+07	251539.800	9.14
0A08041-CAL8	100	2.704597E+07	270459.700	9.14
0A08041-CAL9	200	5.616077E+07	280803.800	9.14

AVE RF 228252.900 RF RSD 13.83 AVE RT 9.14

Toxaphene 5 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	51910	5191.000	9.25
0A08041-CALR	50	244237	4884.740	9.25
0A08041-CALS	100	465078	4650.780	9.25
0A08041-CALT	200	985020	4925.100	9.25
0A08041-CALU	500	2386520	4773.040	9.25
0A08041-CALV	1000	5120001	5120.001	9.25
0A08041-CALW	2000	1.121801E+07	5609.005	9.25

AVE RF 5021.952 RF RSD 6.35 AVE RT 9.25

Element Calibration Review Sheet

Calibration ID: **A0A0906**

Instrument: **DUALECD5**

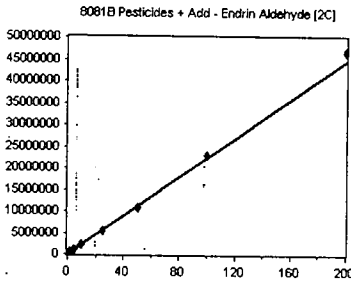
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010**

Endrin Aldehyde [2C]

Curve Fit: **AVERAGE RF**

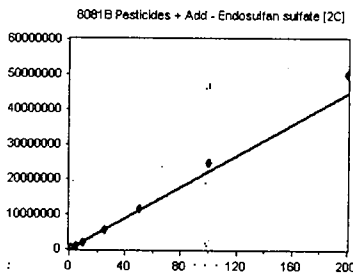


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	118008	236016.000	9.26
0A08041-CAL2	1	234689	234689.000	9.26
0A08041-CAL3	2	453653	226826.500	9.26
0A08041-CAL4	5	1047866	209573.200	9.26
0A08041-CAL5	10	2117172	211717.200	9.26
0A08041-CAL6	25	5279915	211196.600	9.26
0A08041-CAL7	50	1.091033E+07	218206.600	9.26
0A08041-CAL8	100	2.308823E+07	230882.300	9.26
0A08041-CAL9	200	4.666444E+07	233322.200	9.26

AVE RF 223603.300 RF RSD 4.89 AVE RT 9.26

Endosulfan sulfate [2C]

Curve Fit: **AVERAGE RF**

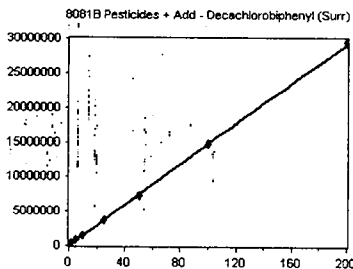


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	112283	224566.000	9.45
0A08041-CAL2	1	210935	210935.000	9.45
0A08041-CAL3	2	410957	205478.500	9.45
0A08041-CAL4	5	1024703	204940.600	9.45
0A08041-CAL5	10	2032510	203251.000	9.45
0A08041-CAL6	25	5454073	218162.900	9.45
0A08041-CAL7	50	1.159902E+07	231980.400	9.45
0A08041-CAL8	100	2.453126E+07	245312.600	9.45
0A08041-CAL9	200	5.008053E+07	250402.600	9.45

AVE RF 221670.000 RF RSD 7.99 AVE RT 9.45

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

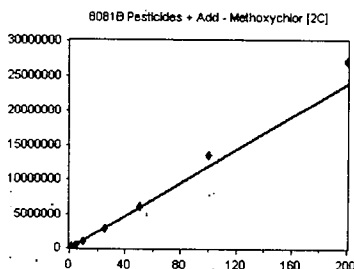


Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	96104	192208.000	9.61
0A08041-CAL2	1	176609	176609.000	9.61
0A08041-CAL3	2	340423	170211.500	9.61
0A08041-CAL4	5	775613	155122.600	9.61
0A08041-CAL5	10	1477683	147768.300	9.61
0A08041-CAL6	25	3649221	145968.800	9.61
0A08041-CAL7	50	7324286	146485.700	9.61
0A08041-CAL8	100	1.473636E+07	147363.600	9.61
0A08041-CAL9	200	2.95221E+07	147610.500	9.61

AVE RF 158816.500 RF RSD 10.61 AVE RT 9.61

Methoxychlor [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	60619	121238.000	9.62
0A08041-CAL2	1	117569	117569.000	9.62
0A08041-CAL3	2	224516	112258.000	9.62
0A08041-CAL4	5	532720	106544.000	9.62
0A08041-CAL5	10	1038753	103875.300	9.61
0A08041-CAL6	25	2923508	116940.300	9.62
0A08041-CAL7	50	6115403	122308.100	9.62
0A08041-CAL8	100	1.340149E+07	134014.900	9.62
0A08041-CAL9	200	2.712554E+07	135627.700	9.61

AVE RF 118930.600 RF RSD 9.18 AVE RT 9.62

Element Calibration Review Sheet

Calibration ID: **A0A0906**

Instrument: **DUALECD5**

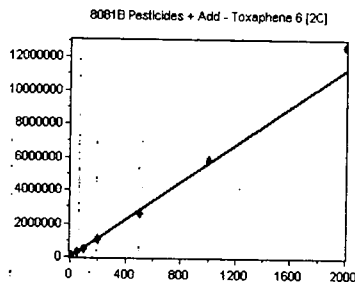
Calibration Date: **01/09/2020**

Analysis: **8081B Pesticides + Add**

Instrument Cal ID: **ECD5_QUANTPEST_20010'**

Toxaphene 6 [2C]

Curve Fit: **AVERAGE RF**

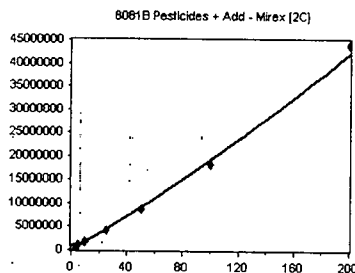


Standard	Concentration	Response	Response Factor	RT
0A08041-CALQ	10	57037	5703.700	9.63
0A08041-CALR	50	279398	5587.960	9.63
0A08041-CALS	100	522567	5225.670	9.63
0A08041-CALT	200	1071997	5359.985	9.63
0A08041-CALU	500	2631287	5262.574	9.63
0A08041-CALV	1000	5832985	5832.985	9.63
0A08041-CALW	2000	1.26526E+07	6326.300	9.63

AVE RF 5614.168 **RF RSD** 6.91 **AVE RT** 9.63

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

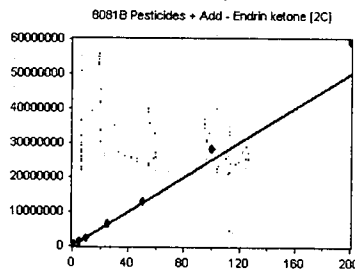


Standard	Concentration	Response	Response Factor	RT
0A08041-CALA	0.5	127755	255510.000	9.85
0A08041-CALB	1	237397	237397.000	9.85
0A08041-CALC	2	390163	195081.500	9.85
0A08041-CALD	5	1002877	200575.400	9.85
0A08041-CALE	10	1814573	181457.300	9.85
0A08041-CALF	25	4062388	162495.500	9.85
0A08041-CALG	50	8711340	174226.800	9.85
0A08041-CALH	100	1.814861E+07	181486.100	9.85
0A08041-CALI	200	4.392362E+07	219618.100	9.85

AVE RF 200872.000 **RF RSD** 15.38 **AVE RT** 9.85

Endrin ketone [2C]

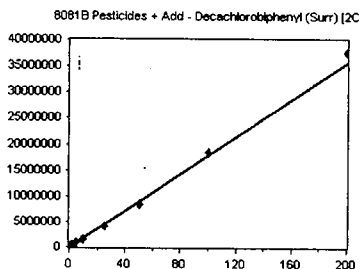
Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	120422	240844.000	9.85
0A08041-CAL2	1	227922	227922.000	9.86
0A08041-CAL3	2	459705	229852.500	9.86
0A08041-CAL4	5	1162953	232590.600	9.85
0A08041-CAL5	10	2330210	233021.000	9.85
0A08041-CAL6	25	6356172	254246.900	9.85
0A08041-CAL7	50	1.290512E+07	258102.400	9.86
0A08041-CAL8	100	2.805764E+07	280576.400	9.85
0A08041-CAL9	200	5.934686E+07	296734.300	9.85

AVE RF 250432.200 **RF RSD** 9.75 **AVE RT** 9.85

Decachlorobiphenyl (Surr) [2C] Curve Fit: AVERAGE RF



Standard	Concentration	Response	Response Factor	RT
0A08041-CAL1	0.5	101208	202416.000	10.74
0A08041-CAL2	1	194428	194428.000	10.74
0A08041-CAL3	2	355105	177552.500	10.74
0A08041-CAL4	5	834483	166896.600	10.74
0A08041-CAL5	10	1586829	158682.900	10.74
0A08041-CAL6	25	4087662	163506.500	10.74
0A08041-CAL7	50	8356479	167129.600	10.74
0A08041-CAL8	100	1.832586E+07	183258.600	10.74
0A08041-CAL9	200	3.753051E+07	187652.600	10.74

AVE RF 177947.000 **RF RSD** 8.46 **AVE RT** 10.74

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A08041

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
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A08041

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0A08041-ICB1	Initial Cal Blank	Water	A19L339		1/8/2020 2:26:00PM
0A08041-CAL1	Cal Standard	Water	A20A094	"	1/8/2020 2:50:00PM
0A08041-CAL2	Cal Standard	Water	A20A095	"	1/8/2020 3:07:00PM
0A08041-CAL3	Cal Standard	Water	A19K128	"	1/8/2020 3:24:00PM
0A08041-CAL4	Cal Standard	Water	A19K130	"	1/8/2020 3:41:00PM
0A08041-CAL5	Cal Standard	Water	A19K131	"	1/8/2020 3:58:00PM
0A08041-CAL6	Cal Standard	Water	A19K132	"	1/8/2020 4:16:00PM
0A08041-CAL7	Cal Standard	Water	A19K133	"	1/8/2020 4:33:00PM
0A08041-CAL8	Cal Standard	Water	A19K134	"	1/8/2020 4:50:00PM
0A08041-CAL9	Cal Standard	Water	A19K126	"	1/8/2020 5:07:00PM
0A08041-ICV1	Initial Cal Check	Water	A19I209	"	1/8/2020 5:42:00PM
0A08041-CALA	Cal Standard	Water	A20A096	"	1/8/2020 5:59:00PM
0A08041-CALB	Cal Standard	Water	A19K263	"	1/8/2020 6:16:00PM
0A08041-CALC	Cal Standard	Water	A19K264	"	1/8/2020 6:33:00PM
0A08041-CALD	Cal Standard	Water	A19K265	"	1/8/2020 6:51:00PM
0A08041-CALE	Cal Standard	Water	A19K266	"	1/8/2020 7:08:00PM
0A08041-CALF	Cal Standard	Water	A19J407	"	1/8/2020 7:25:00PM
0A08041-CALG	Cal Standard	Water	A19J408	"	1/8/2020 7:42:00PM
0A08041-CALH	Cal Standard	Water	A19J409	"	1/8/2020 7:59:00PM
0A08041-CALI	Cal Standard	Water	A19K262	"	1/8/2020 8:16:00PM
0A08041-ICV2	Initial Cal Check	Water	A19J410	"	1/8/2020 8:50:00PM
0A08041-CALJ	Cal Standard	Water	A20A097	"	1/8/2020 9:07:00PM
0A08041-CALK	Cal Standard	Water	A19K307	"	1/8/2020 9:25:00PM
0A08041-CALL	Cal Standard	Water	A19K308	"	1/8/2020 9:42:00PM
0A08041-CALM	Cal Standard	Water	A19K309	"	1/8/2020 9:59:00PM
0A08041-CALN	Cal Standard	Water	A19K310	"	1/8/2020 10:16:00PM
0A08041-CALO	Cal Standard	Water	A19K311	"	1/8/2020 10:33:00PM
0A08041-CALP	Cal Standard	Water	A19K306	"	1/8/2020 10:50:00PM
0A08041-ICV3	Initial Cal Check	Water	A19K312	"	1/8/2020 11:24:00PM
0A08041-CALQ	Cal Standard	Water	A20A098	"	1/8/2020 11:41:00PM
0A08041-CALR	Cal Standard	Water	A19J417	"	1/8/2020 11:58:00PM
0A08041-CALS	Cal Standard	Water	A19J418	"	1/9/2020 12:15:00AM
0A08041-CALT	Cal Standard	Water	A19J419	"	1/9/2020 12:32:00AM
0A08041-CALU	Cal Standard	Water	A19J420	"	1/9/2020 12:50:00AM
0A08041-CALV	Cal Standard	Water	A19J421	"	1/9/2020 1:07:00AM
0A08041-CALW	Cal Standard	Water	A19J416	"	1/9/2020 1:24:00AM
0A08041-ICV4	Initial Cal Check	Water	A19J422	"	1/9/2020 1:58:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: A0A0906

Instrument: DualECD5F

1311/8081B TCLP Pest Reg L

Sequence: 0A08041

Matrix: Water

SampleID	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CAL1					
0A08041-CAL2					
0A08041-CAL3					

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A08041

0A08041-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALC	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALF	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALG	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALH	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALI	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALJ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALK	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALL	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALM	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALN	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALO	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALP	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALQ	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALR	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALS	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALT	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALU	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0A08041-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0A08041

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: **A0A0906** Instrument: **DualECD5F**

608 Pesticides Sequence: **0A08041** Matrix: **Water**

0A08041-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
0A08041-ICV2	Inst. MRL	ICV Level	Result	%Rec.	Qual
0A08041-ICV3	Inst. MRL	ICV Level	Result	%Rec.	Qual
0A08041-ICV4	Inst. MRL	ICV Level	Result	%Rec.	Qual

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Compound List Report DUALECD5

Method Path : R:\methods\
 Method File : ECD5_QUANTPEST_200107.M
 Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response Via : Initial Calibration

Total Cpnds : 85

MOB
1/9/20

PK#	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S TCMX (S)	5.404	1.000	A	H	R
2	a-BHC	5.944	1.000	A	H	R
3	g-BHC	6.226	1.000	A	H	R
4	b-BHC	6.302	1.000	-Q	H	R
5	Heptachlor	6.640	1.000	A	H	R
6	d-BHC	6.451	1.000	A	H	R
7	Aldrin	6.882	1.000	A	H	R
8	Heptachlor Epoxide	7.342	1.000	A	H	R
9	trans-Chlordane	7.438	1.000	A	H	R
10	cis-Chlordane	7.535	1.000	A	H	R
11	Endosulfan I	7.631	1.000	A	H	R
12	4,4'-DDE	7.595	1.000	A	H	R
13	Dieldrin	7.804	1.000	A	H	R
14	Endrin	7.969	1.000	A	H	R
15	4,4'-DDD	8.016	1.000	A	H	R
16	Endosulfan II	8.126	1.000	A	H	R
17	4,4'-DDT	8.215	1.000	A	H	R
18	Endrin Aldehyde	8.416	1.000	A	H	R
19	Endosulfan Sulfate	8.718	1.000	A	H	R
20	Methoxychlor	8.552	1.000	A	H	R
21	Endrin Ketone	8.911	1.000	A	H	R
22	S DCBP (S)	9.610	1.000	Q	H	R
23	Hexachlorobutadiene	3.205	1.000	A	H	R
24	Hexachlorobenzene	5.782	1.000	-Q	H	R
25	Oxychlordane	7.268	1.000	-Q	H	R
26	2,4'-DDE	7.342	1.000	A	H	R
27	trans-Nonachlor	7.524	1.000	Q	H	R
28	2,4'-DDD	7.715	1.000	A	H	R
29	2,4'-DDT	7.898	1.000	A	H	R
30	cis-Nonachlor	7.996	1.000	A	H	R
31	Mirex	8.664	1.000	-Q	H	R
32	Chlordane (1)	7.437	1.000	A	H	R
33	Chlordane (2)	7.530	1.000	A	H	R
34	Chlordane (3)	8.080	1.000	A	H	R
35	Chlordane - AVE	3.816	1.000	A	H	R
36	Toxaphene (1)	7.511	1.000	A	H	R
37	Toxaphene (2)	7.804	1.000	A	H	R
38	Toxaphene (3)	8.116	1.000	-Q	H	R
39	Toxaphene (4)	8.358	1.000	A	H	R
40	Toxaphene (5)	8.586	1.000	A	H	R
41	Toxaphene (6)	8.653	1.000	A	H	R
42	Toxaphene - AVE	3.810	1.000	A	H	R
43	Signal #2	3.940	1.000	A	H	R
44	S TCMX (S) #2	6.128	1.000	A	H	R
45	a-BHC #2	6.736	1.000	A	H	R
46	g-BHC #2	7.055	1.000	A	H	R
47	b-BHC #2	7.116	1.000	A	H	R
48	Heptachlor #2	7.436	1.000	A	H	R
49	d-BHC #2	7.374	1.000	Q	H	R
50	Aldrin #2	7.705	1.000	A	H	R
51	Heptachlor Epoxide #2	8.143	1.000	A	H	R
52	trans-Chlordane #2	8.284	1.000	A	H	R
53	cis-Chlordane #2	8.392	1.000	A	H	R
54	Endosulfan I #2	8.444	1.000	A	H	R
55	4,4'-DDE #2	8.492	1.000	Q	H	R
56	Dieldrin #2	8.646	1.000	A	H	R

57	Endrin #2	8.875	1.000	A	H	R
58	4,4'-DDD #2	8.909	1.000	A	H	R
59	Endosulfan II #2	9.022	1.000	A	H	R
60	4,4'-DDT #2	9.139	1.000	Q	H	R
61	Endrin Aldehyde #2	9.258	1.000	A	H	R
62	Endosulfan Sulfate #2	9.449	1.000	A	H	R
63	Methoxychlor #2	9.616	1.000	A	H	R
64	Endrin Ketone #2	9.855	1.000	A	H	R
65	S DCBP (S) #2	10.743	1.000	A	H	R
66	Hexachlorobutadiene #2	3.813	1.000	A	H	R
67	Hexachlorobenzene #2	6.594	1.000	A	H	R
68	Oxychlorane #2	8.069	1.000	A	H	R
69	2,4'-DDE #2	8.268	1.000	A	H	R
70	trans-Nonachlor #2	8.344	1.000	A	H	R
71	2,4'-DDD #2	8.643	1.000	A	H	R
72	2,4'-DDT #2	8.869	1.000	Q	H	R
73	cis-Nonachlor #2	8.913	1.000	A	H	R
74	Mirex #2	9.849	1.000	Q	H	R
75	Chlordane (1) #2	8.282	1.000	A	H	R
76	Chlordane (2) #2	8.389	1.000	A	H	R
77	Chlordane (3) #2	9.058	1.000	A	H	R
78	Chlordane - AVE #2	3.797	1.000	A	H	R
79	Toxaphene (1) #2	8.619	1.000	A	H	R
80	Toxaphene (2) #2	8.969	1.000	A	H	R
81	Toxaphene (3) #2	9.005	1.000	Q	H	R
82	Toxaphene (4) #2	9.072	1.000	A	H	R
83	Toxaphene (5) #2	9.249	1.000	A	H	R
84	Toxaphene (6) #2	9.634	1.000	A	H	R
85	Toxaphene - AVE #2	3.803	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

ECD5_QUANTPEST_200107.M Thu Jan 09 14:30:03 2020

Response Factor Report DUALECD5

Method Path : R:\methods\
 Method File : ECD5_QUANTPEST_200107.M
 Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response Via : Initial Calibration

Calibration Files

1 =ECD5-01082042.D 2 =ECD5-01082043.D 3 =ECD5-01082044.D
 4 =ECD5-01082045.D 5 =ECD5-01082046.D 6 =ECD5-01082047.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	2.257	2.113	2.078	1.900	1.840	1.858	1.953	E5 8.04
2) a-BHC	2.665	2.570	2.687	2.613	2.578	2.683	2.632	E5 1.90
3) g-BHC	2.406	2.344	2.358	2.333	2.269	2.305	2.335	E5 1.83
4) b-BHC	1.300	1.143	1.104	1.020	0.961	0.965	1.044	E5 11.29
5) Heptachlor	2.444	2.339	2.285	2.326	2.147	2.174	2.272	E5 4.07
6) d-BHC	2.223	2.084	2.163	2.127	2.077	2.189	2.178	E5 3.34
7) Aldrin	2.261	2.240	2.200	2.223	2.163	2.255	2.206	E5 2.14
8) Heptachlor Ex...	2.244	2.183	2.135	2.071	1.957	2.047	2.062	E5 5.18
9) trans-Chlordane	2.255	2.184	2.126	2.088	2.032	2.081	2.107	E5 3.49
10) cis-Chlordane	2.253	2.126	2.112	2.017	1.994	2.013	2.046	E5 4.85
11) Endosulfan I	2.092	2.085	2.004	1.918	1.890	1.909	1.938	E5 5.13
12) 4,4'-DDE	2.060	2.016	2.059	2.081	2.021	2.085	2.062	E5 1.66
13) Dieldrin	2.237	2.181	2.173	2.140	2.097	2.170	2.154	E5 2.14
14) Endrin	1.878	1.889	1.834	1.616	1.560	1.742	1.730	E5 6.68
15) 4,4'-DDD	1.728	1.706	1.754	1.659	1.682	1.757	1.727	E5 2.18
16) Endosulfan II	1.993	1.825	1.739	1.610	1.622	1.674	1.706	E5 7.56
17) 4,4'-DDT	1.698	1.632	1.598	1.580	1.546	1.678	1.657	E5 4.35
18) Endrin Aldehyde	1.745	1.686	1.612	1.534	1.482	1.437	1.531	E5 8.00
19) Endosulfan Su...	1.764	1.688	1.652	1.540	1.505	1.574	1.600	E5 5.32
20) Methoxychlor	9.706	8.989	8.873	8.268	7.850	8.387	8.661	E4 6.05
21) Endrin Ketone	1.993	1.941	1.918	1.880	1.825	1.894	1.910	E5 2.36
22) S DCBP (S)	1.922	1.766	1.702	1.551	1.478	1.460	1.588	E5 10.61
23) Hexachlorobut...	2.229	2.336	1.996	2.091	1.946	1.839	1.994	E5 9.81
24) Hexachloroben...	2.454	2.335	2.093	2.137	2.009	1.797	2.056	E5 11.05
25) Oxychlordane	2.377	2.239	1.884	1.986	1.829	1.640	1.905	E5 13.61
26) 2,4'-DDE	1.635	1.611	1.432	1.501	1.426	1.260	1.426	E5 9.81
27) trans-Nonachlor	2.535	2.408	2.124	2.205	2.076	1.843	2.124	E5 10.91
28) 2,4'-DDD	1.437	1.433	1.293	1.309	1.263	1.110	1.272	E5 8.99
29) 2,4'-DDT	1.667	1.624	1.447	1.539	1.485	1.249	1.465	E5 9.83
30) cis-Nonachlor	2.685	2.637	2.357	2.494	2.325	2.092	2.357	E5 9.09
31) Mirex	1.929	1.814	1.543	1.559	1.405	1.221	1.483	E5 17.12
32) Chlordane (1)	2.521	2.357	2.295	2.397	2.241	2.331	2.346	E4 3.95
33) Chlordane (2)	3.082	2.886	2.780	2.901	2.782	2.873	2.882	E4 3.50
34) Chlordane (3)	8.668	7.557	7.299	7.525	7.251	7.448	7.608	E3 6.33
35) Chlordane - AVE							0.000	-1.00
36) Toxaphene (1)	1.216	1.097	1.047	1.034	0.958	0.998	1.053	E3 7.94
37) Toxaphene (2)	2.137	2.130	1.972	1.910	1.767	1.834	1.945	E3 7.38
38) Toxaphene (3)	5.876	4.759	4.339	4.324	3.992	4.210	4.553	E3 13.76
39) Toxaphene (4)	4.426	4.150	3.929	3.956	3.801	3.975	4.040	E3 4.97
40) Toxaphene (5)	3.363	3.387	3.213	3.278	3.079	3.276	3.288	E3 3.55
41) Toxaphene (6)	4.717	4.502	4.268	4.258	3.964	4.202	4.342	E3 5.66
42) Toxaphene - AVE							0.000	-1.00

MJB
1/9/20

Signal #2 Calibration Files

1 =ECD5-01082042.D 2 =ECD5-01082043.D 3 =ECD5-01082044.D
 4 =ECD5-01082045.D 5 =ECD5-01082046.D 6 =ECD5-01082047.D

Compound	1	2	3	4	5	6	Avg	%RSD
1) S TCMX (S)	3.164	3.112	2.945	2.752	2.696	2.899	2.981	E5 5.87
2) a-BHC	3.718	3.792	3.836	3.954	3.956	4.166	4.130	E5 8.94
3) g-BHC	3.509	3.434	3.386	3.446	3.502	3.644	3.651	E5 7.15
4) b-BHC	1.850	1.730	1.604	1.566	1.481	1.494	1.609	E5 7.18
5) Heptachlor	3.669	3.373	3.277	3.322	3.263	3.491	3.545	E5 7.28
6) d-BHC	3.079	3.102	3.018	3.232	3.263	3.650	3.449	E5 11.30
7) Aldrin	3.224	3.145	3.146	3.160	3.173	3.345	3.331	E5 6.39
8) Heptachlor Ex...	3.178	2.961	2.930	2.959	2.880	3.028	3.080	E5 5.52
9) trans-Chlordane	3.392	3.027	2.900	2.912	2.934	3.084	3.118	E5 6.23
10) cis-Chlordane	3.008	2.929	2.874	2.746	2.848	2.928	2.966	E5 4.74
11) Endosulfan I	2.818	2.718	2.632	2.594	2.610	2.743	2.779	E5 5.95

Response Factor Report DUALECD5

Method Path : R:\methods\
 Method File : ECD5_QUANTPEST_200107.M
 Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response Via : Initial Calibration

Calibration Files

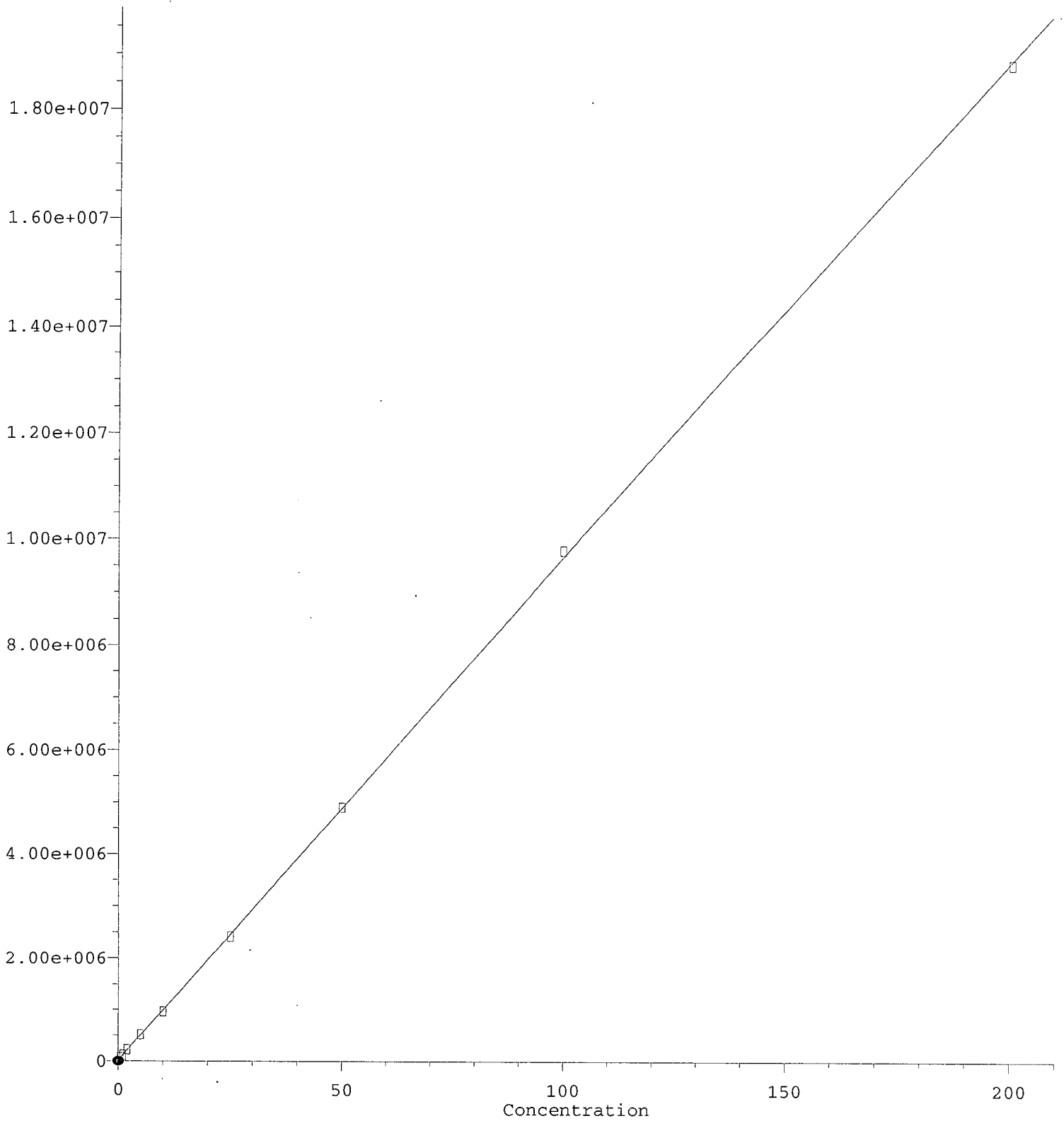
1 =ECD5-01082042.D 2 =ECD5-01082043.D 3 =ECD5-01082044.D
 4 =ECD5-01082045.D 5 =ECD5-01082046.D 6 =ECD5-01082047.D

Compound	1	2	3	4	5	6	Avg	%RSD
12) 4,4'-DDE	2.783	2.778	2.707	2.846	2.826	3.082	3.025	E5 10.10
13) Dieldrin	2.953	2.916	2.905	2.845	2.906	3.144	3.089	E5 7.76
14) Endrin	2.416	2.304	2.284	2.089	2.003	2.393	2.350	E5 9.33
15) 4,4'-DDD	2.266	2.280	2.267	2.287	2.301	2.465	2.458	E5 9.71
16) Endosulfan II	2.452	2.343	2.309	2.239	2.276	2.460	2.443	E5 7.76
17) 4,4'-DDT	2.062	2.032	2.043	2.055	2.023	2.300	2.283	E5 13.83
18) Endrin Aldehyde	2.360	2.347	2.268	2.096	2.117	2.112	2.236	E5 4.89
19) Endosulfan Su...	2.246	2.109	2.055	2.049	2.033	2.182	2.217	E5 7.99
20) Methoxychlor	1.212	1.176	1.123	1.065	1.039	1.169	1.189	E5 9.18
21) Endrin Ketone	2.408	2.279	2.299	2.326	2.330	2.542	2.504	E5 9.75
22) S DCBP (S)	2.024	1.944	1.776	1.669	1.587	1.635	1.779	E5 8.46
23) Hexachlorobut...	4.223	4.334	3.846	4.059	3.803	3.725	4.007	E5 6.84
24) Hexachloroben...	3.515	3.465	3.042	3.184	3.000	2.838	3.201	E5 8.50
25) Oxychlorane	3.138	2.984	2.646	2.827	2.671	2.423	2.797	E5 9.48
26) 2,4'-DDE	2.300	2.209	1.998	2.129	2.004	1.875	2.106	E5 8.53
27) trans-Nonachlor	3.350	3.283	2.871	3.073	2.924	2.723	3.075	E5 8.65
28) 2,4'-DDD	2.037	1.936	1.728	1.848	1.738	1.600	1.844	E5 9.61
29) 2,4'-DDT	2.172	2.156	1.839	2.061	1.992	1.803	2.071	E5 11.42
30) cis-Nonachlor	3.557	3.449	3.136	3.356	3.312	3.047	3.411	E5 8.96
31) Mirex	2.555	2.374	1.951	2.006	1.815	1.625	2.009	E5 15.38
32) Chlordane (1)	3.828	3.574	3.516	3.868	3.847	4.182	3.890	E4 8.16
33) Chlordane (2)	3.242	2.972	2.987	3.172	3.164	3.383	3.210	E4 6.42
34) Chlordane (3)	1.257	0.997	0.972	1.024	1.002	1.057	1.062	E4 9.35
35) Chlordane - AVE							0.000	-1.00
36) Toxaphene (1)	2.964	2.815	2.612	2.635	2.508	2.637	2.704	E3 5.63
37) Toxaphene (2)	3.724	3.482	3.297	3.360	3.256	3.517	3.483	E3 5.59
38) Toxaphene (3)	7.042	5.703	5.284	5.384	5.271	5.617	5.755	E3 10.82
39) Toxaphene (4)	0.991	0.870	0.848	0.846	0.856	0.902	0.903	E4 7.52
40) Toxaphene (5)	5.191	4.885	4.651	4.925	4.773	5.120	5.022	E3 6.35
41) Toxaphene (6)	5.704	5.588	5.226	5.360	5.263	5.833	5.614	E3 6.91
42) Toxaphene - AVE							0.000	-1.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

b-BHC

Response

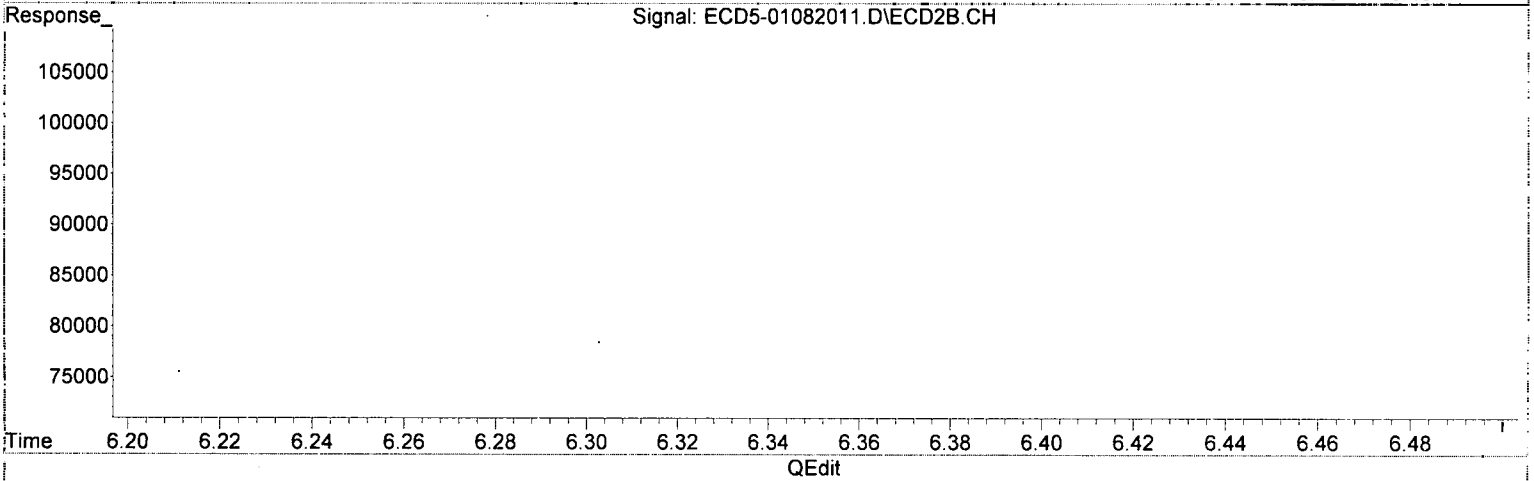
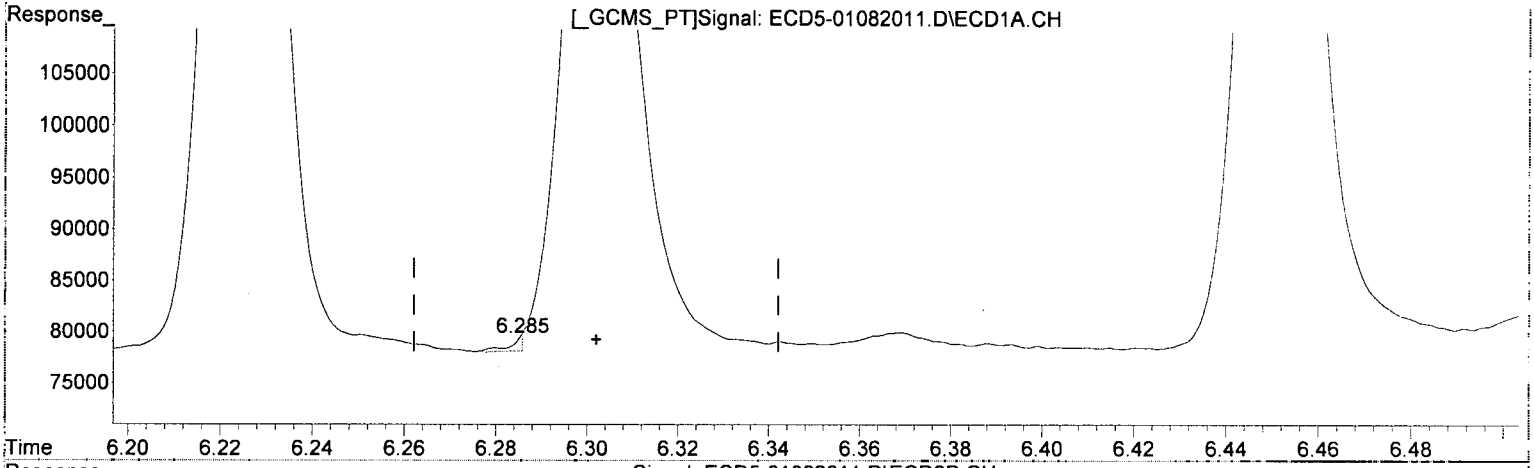


R = -1.65e+001 A*A + 9.80e+004 A + 1.64e+004
Coef of Det (r^2) = 0.999
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Wed Jan 08 17:29:24 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:50
Operator : MJB
Sample : 0A08041-CAL1
Misc : A20A094, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 08 17:31:47 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:25:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

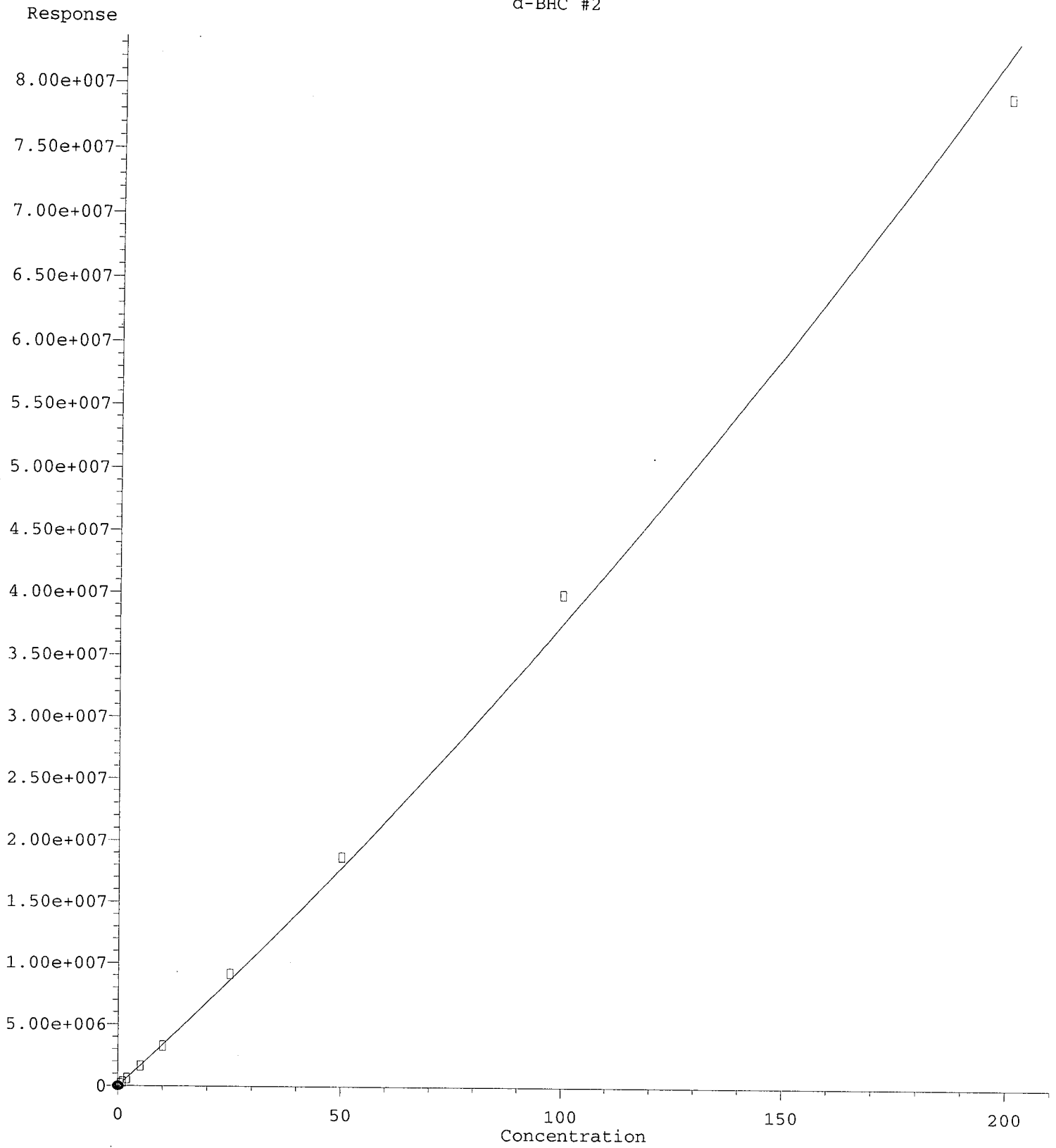


(4) b-BHC

6.285min 5931.989 ng/mL (m) *Qedit*
response 1246

(4) b-BHC #2

7.113min 0.575 ng/mL
response 92509

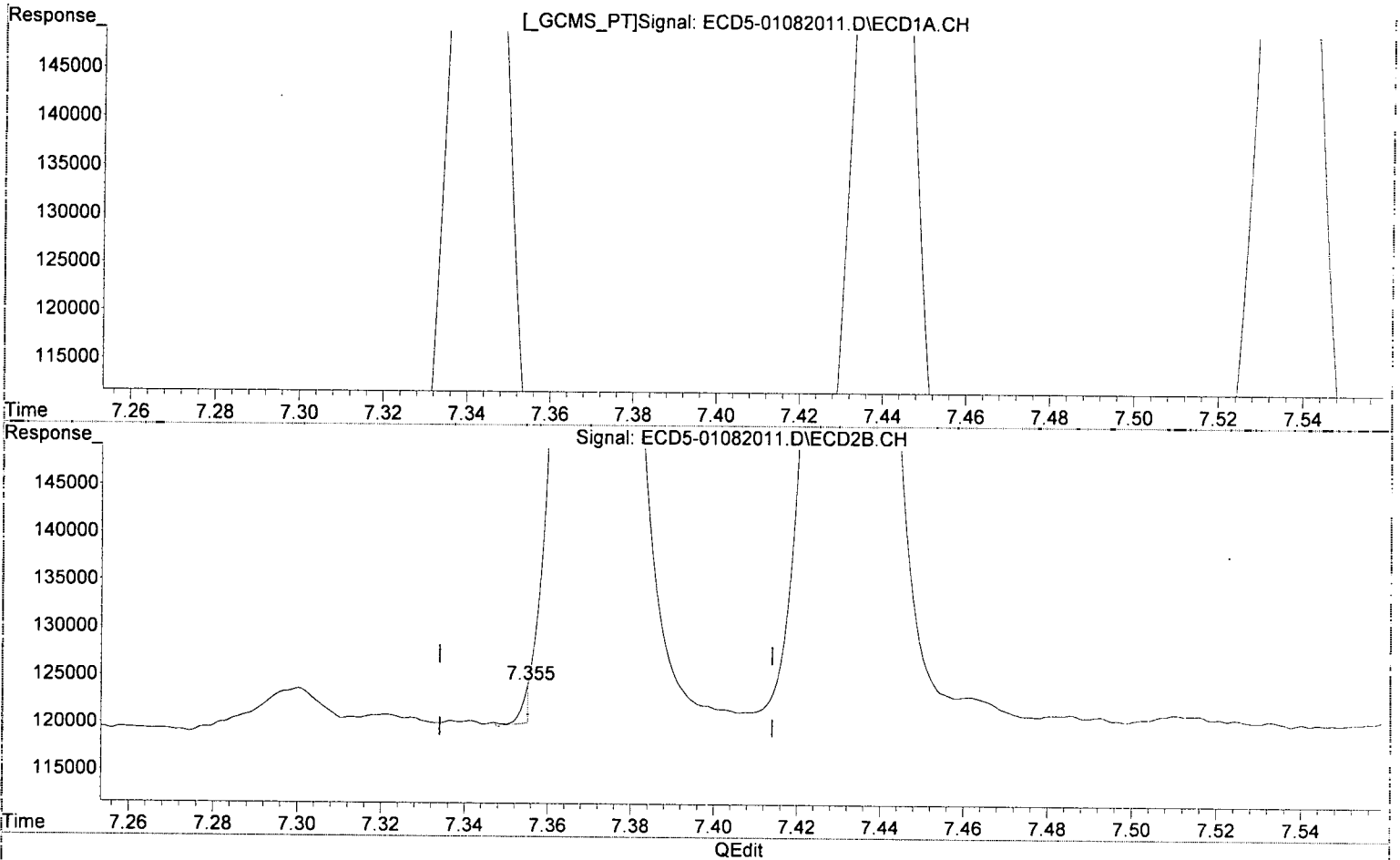


R = 3.98e+002 A*A + 3.36e+005 A - 1.94e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: R:\methods\BOD5_QUANTRES1_200107.M
Calibration Table Last Updated: Wed Jan 08 17:29:24 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:50
Operator : MJB
Sample : 0A08041-CAL1
Misc : A20A094, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 08 17:31:47 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:25:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

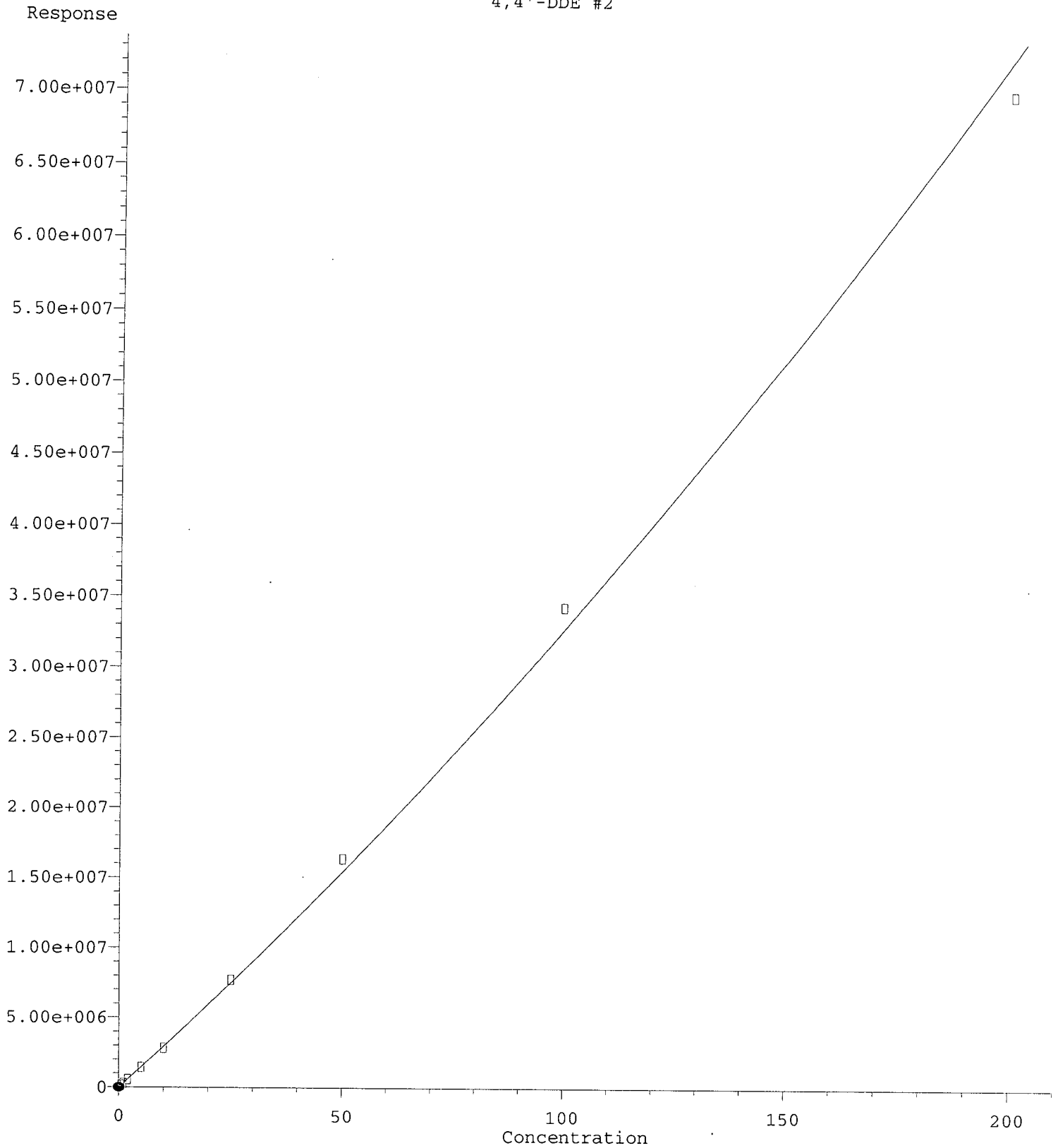


(6) d-BHC
6.451min 0.510 ng/mL
response 111153

MJB
1/8/20

(6) d-BHC #2
7.355min 0.070 ng/mL (m)
response 4087

4,4'-DDE #2

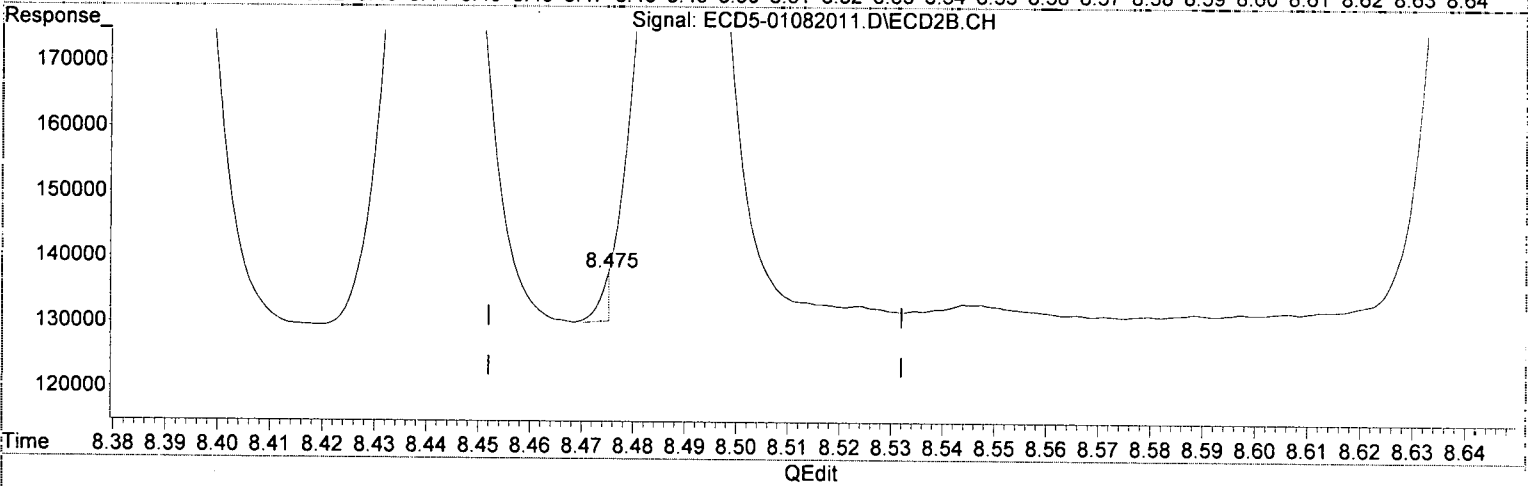
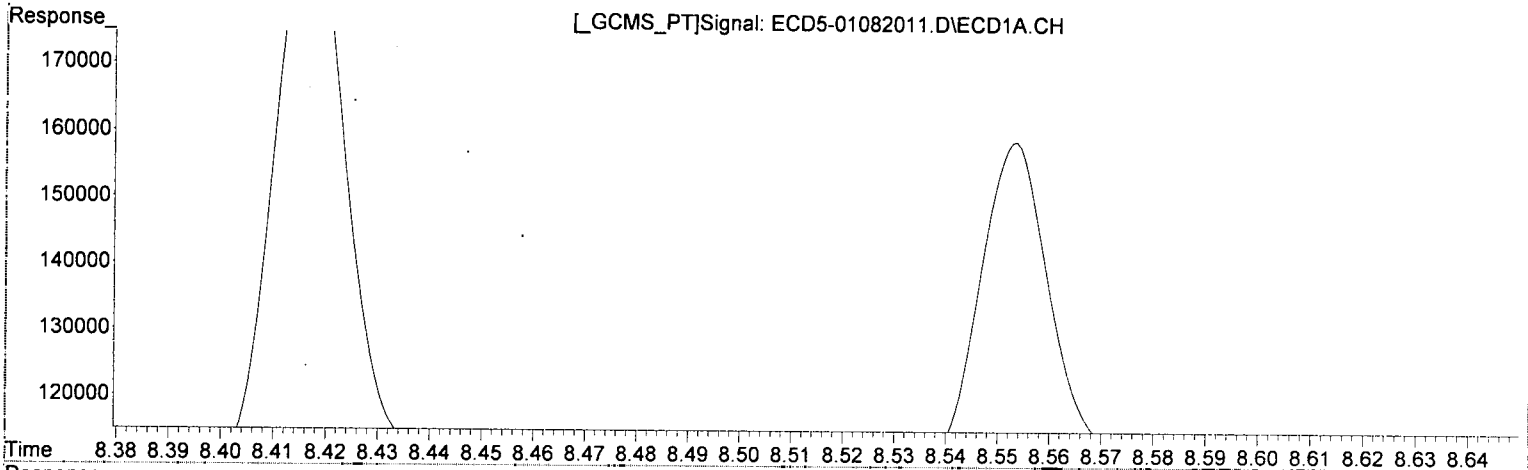


R = 3.62e+002 A*A + 2.91e+005 A - 9.63e+003
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
02/14/20 Anchor GEA LLC Gasco Field DC 2019-4a-b. DOC-CAP Testing Cores Page 1152 of 1468
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Wed Jan 08 17:29:24 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:50
Operator : MJB
Sample : 0A08041-CAL1
Misc : A20A094, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 08 17:31:47 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:25:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

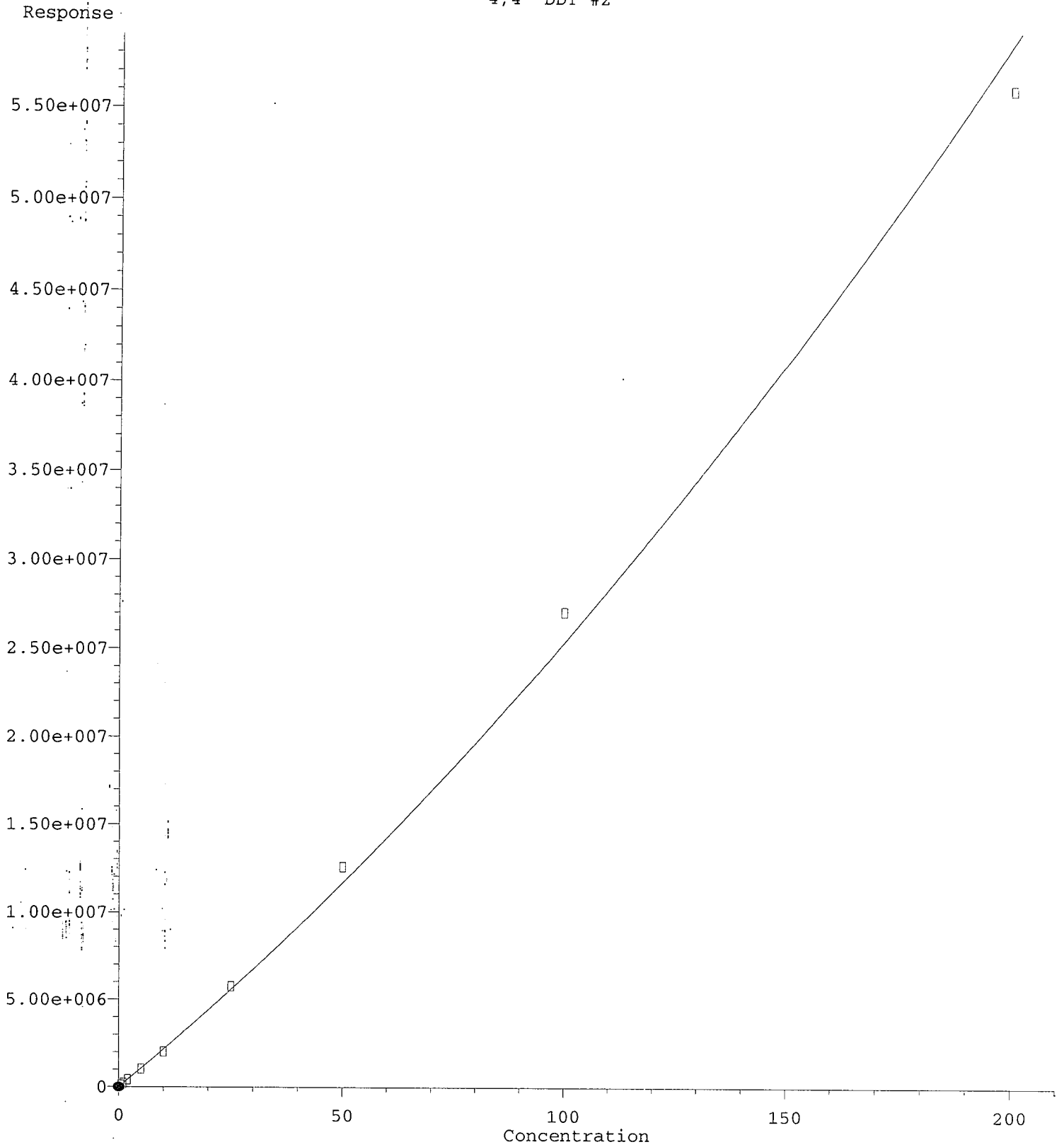


(12) 4,4'-DDE
7.596min 0.500 ng/mL
response 102992

MJB
1/8/20

(12) 4,4'-DDE #2
8.475min 0.058 ng/mL (m)
response 7374

4,4'-DDT #2

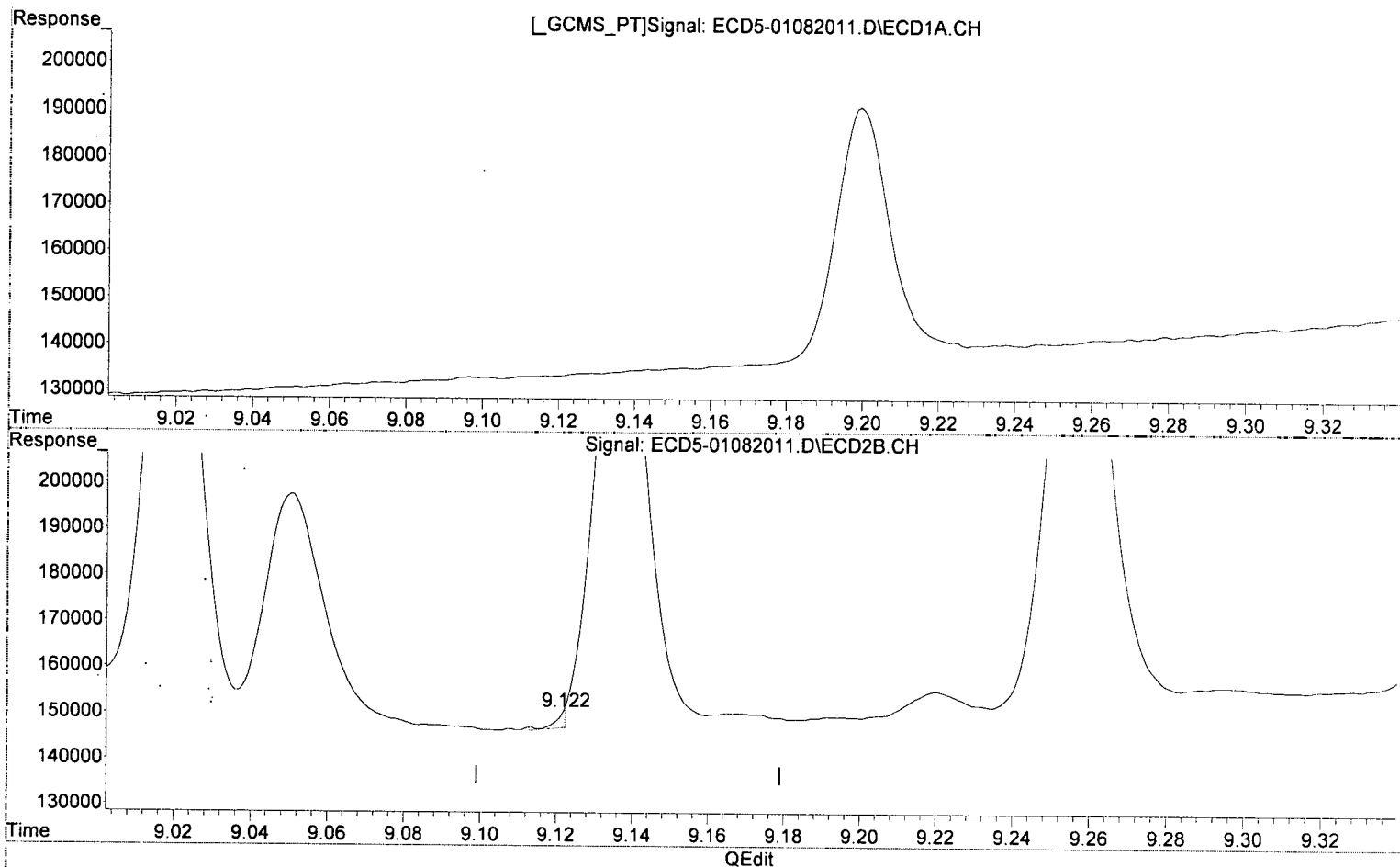


R = 4.02e+002 A*A + 2.13e+005 A - 6.23e+003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 15:10:49 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:50
Operator : MJB
Sample : 0A08041-CAL1
Misc : A20A094, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 15:20:50 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

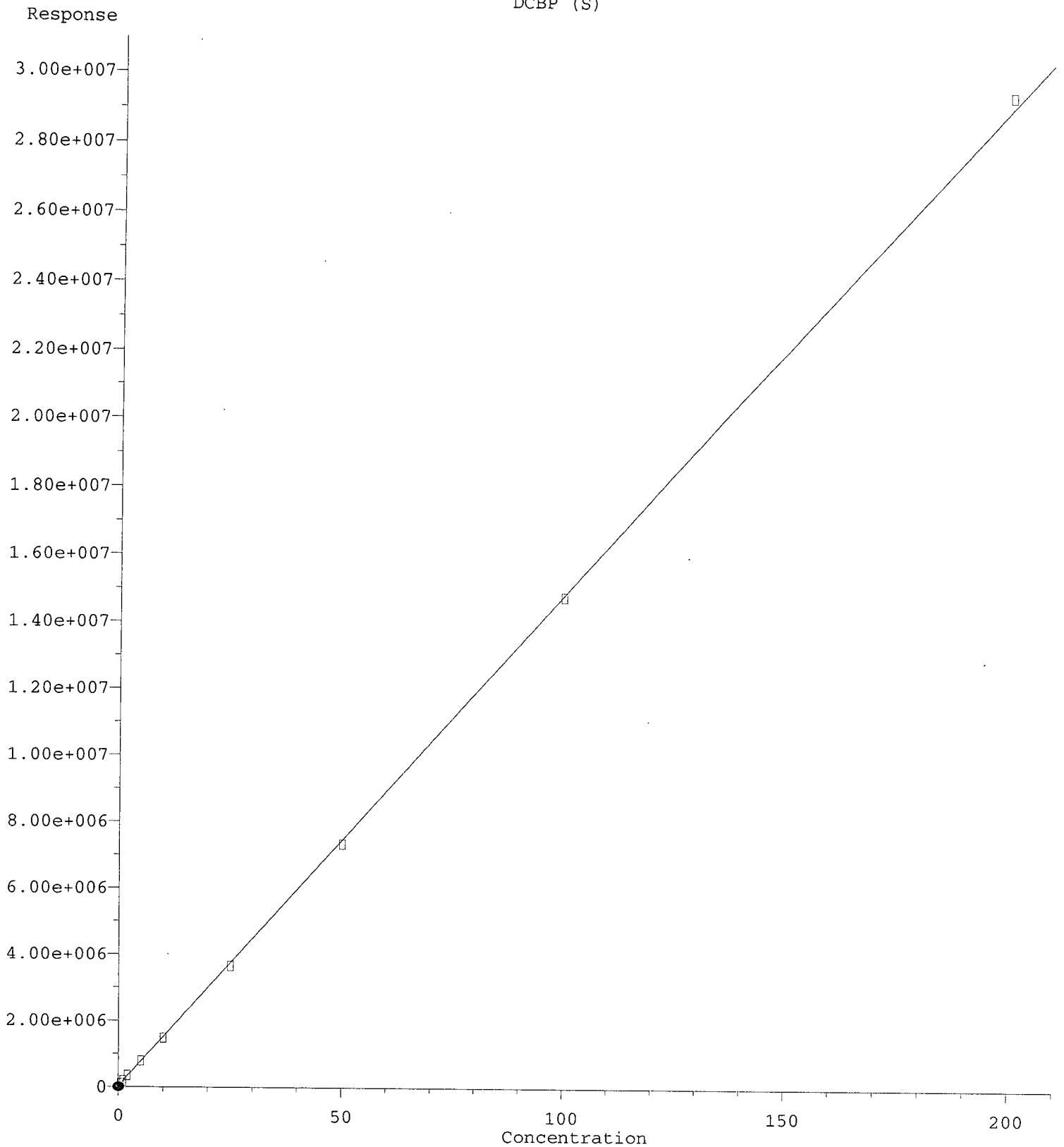


(17) 4,4'-DDT
8.216min 0.513 ng/mL
response 84911

MJB
1/9/20

(17) 4,4'-DDT #2
9.122min 0.046 ng/mL (m)
response 3532

DCBP (S)

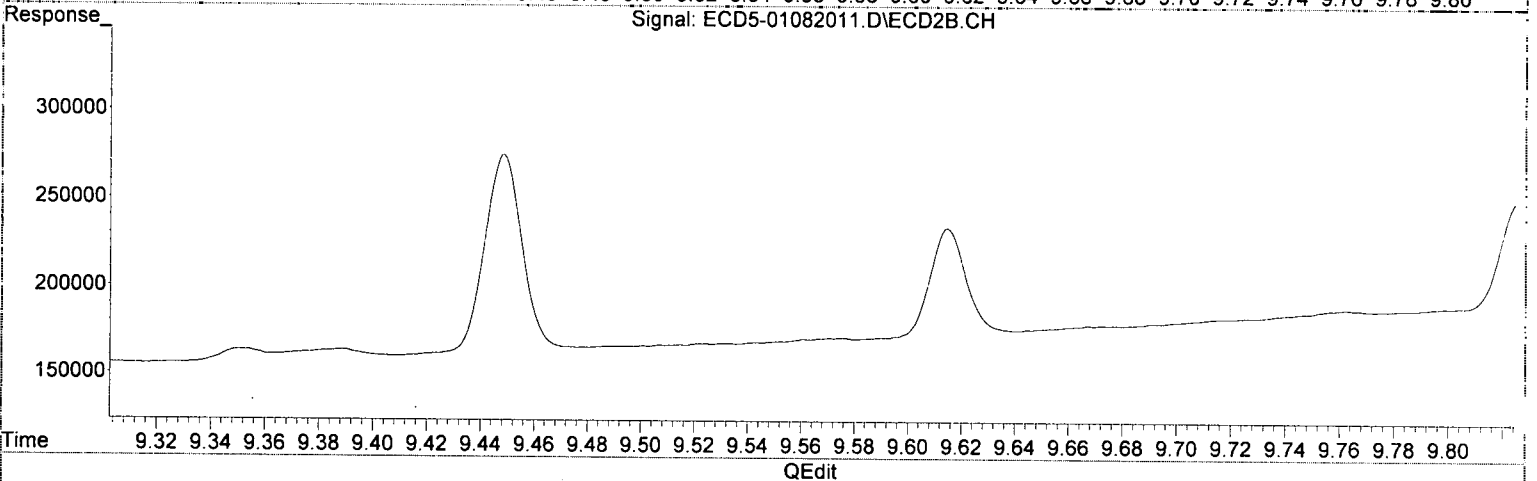
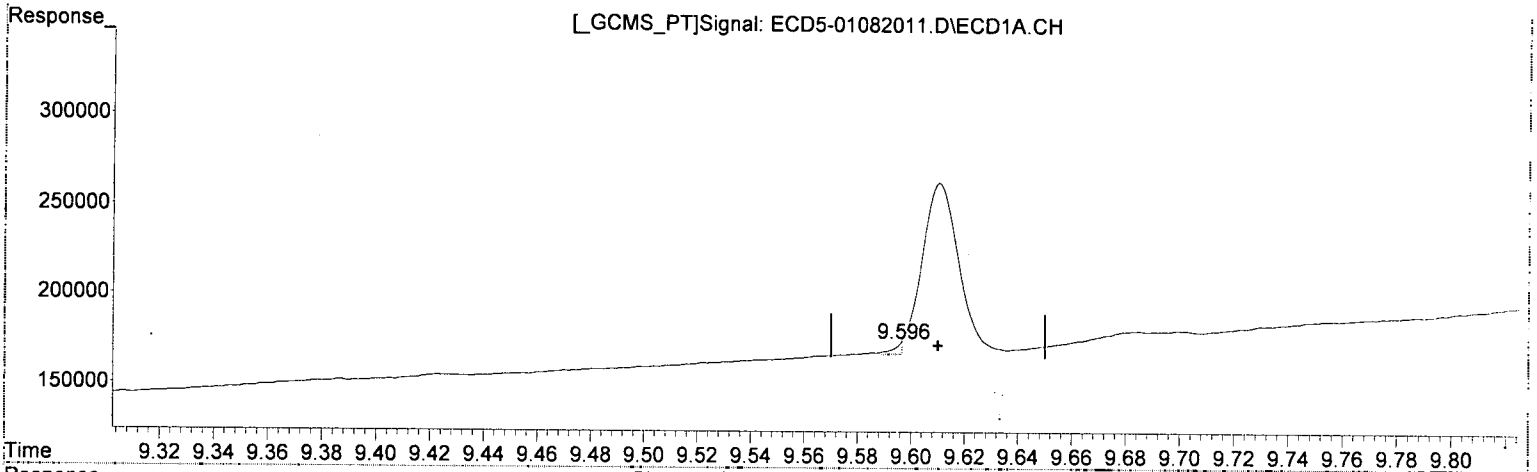


R = -1.84e+001 A*A + 1.50e+005 A + 2.33e+004
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a^2)
02/14/20 Anchor QEA LLC Gasco Field DC 2019-4a-b. DOC-CAP Testing Cores Page 1156 of 1468
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Wed Jan 08 17:29:24 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 14:50
 Operator : MJB
 Sample : 0A08041-CAL1
 Misc : A20A094, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 08 17:31:47 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:25:24 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(22) DCBP (S) (S)

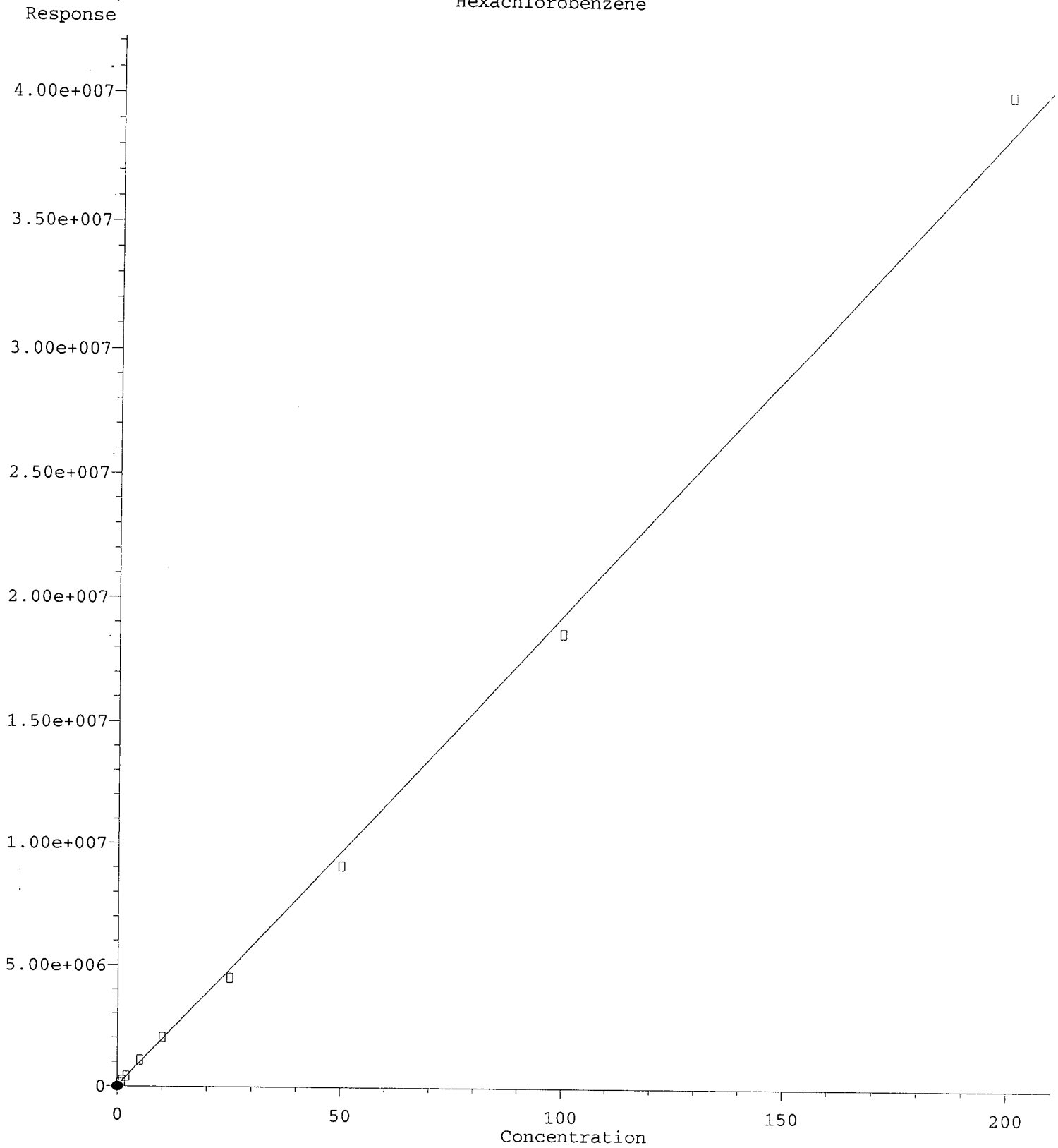
9.596min 8131.946 ng/mL (m) Q-PU
 response 5921

MJB 1/8/20

(22) DCBP (S) #2 (S)

10.741min 0.569 ng/mL
 response 101208

Hexachlorobenzene

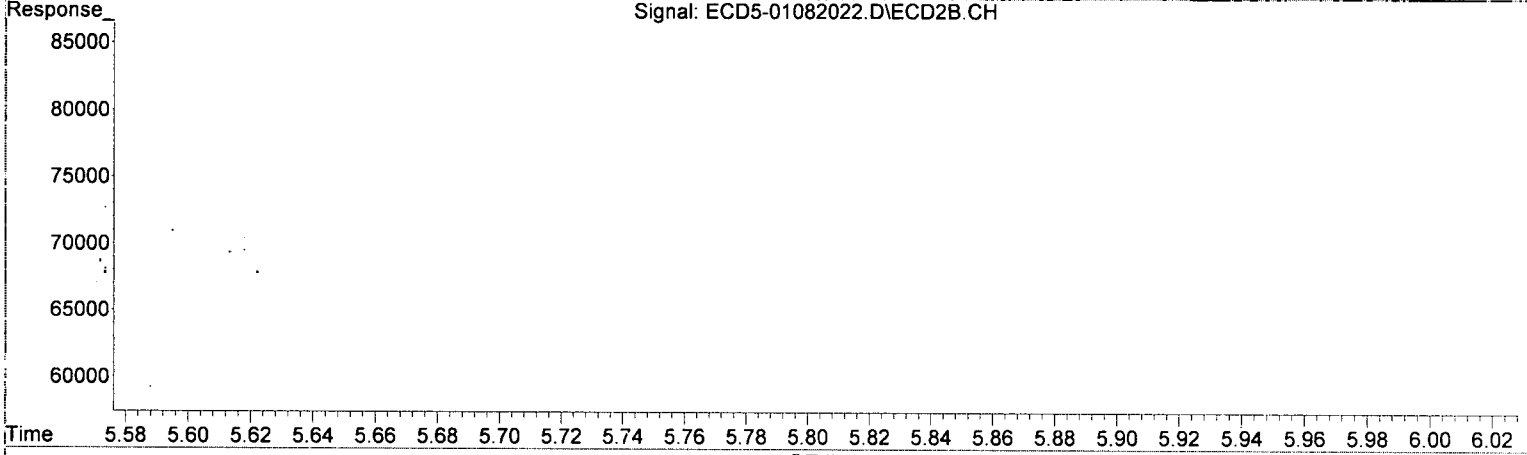
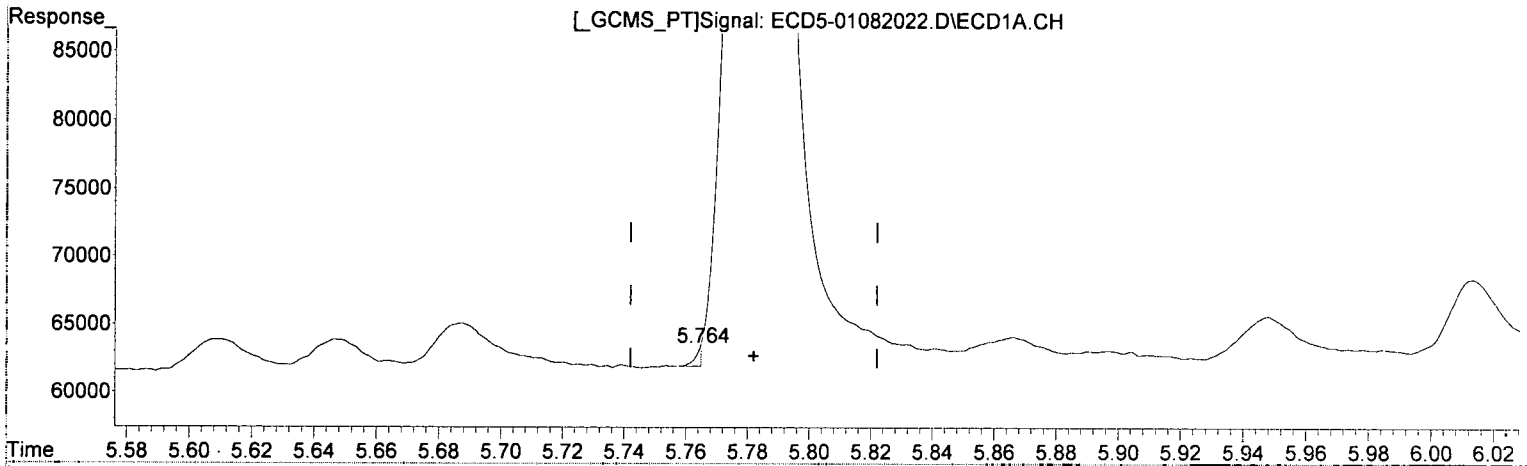


R = 1.88e+000 A*A + 1.93e+005 A + 3.00e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w/ (1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020
02/14/20 Anchor DEA LLC Gasco Field DG 2019-4a-b. DOC-CAP Testing Cores Page 1158 of 1468

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



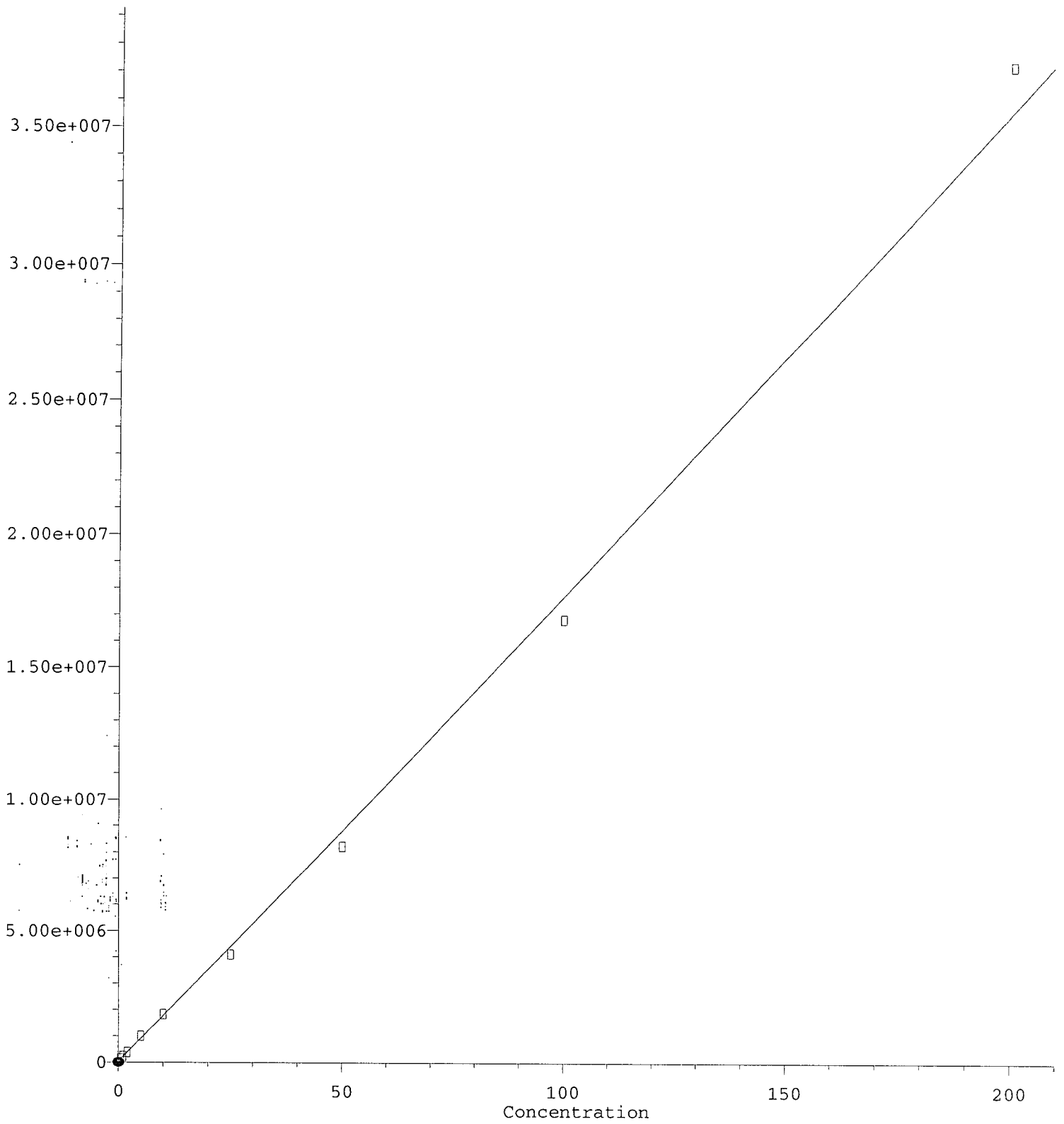
(24) Hexachlorobenzene
5.764min -0.148 ng/mL (+)
response 1411

MJB 1/9/20

(24) Hexachlorobenzene #2
6.595min 0.549 ng/mL
response 175732

Oxychlorthane

Response

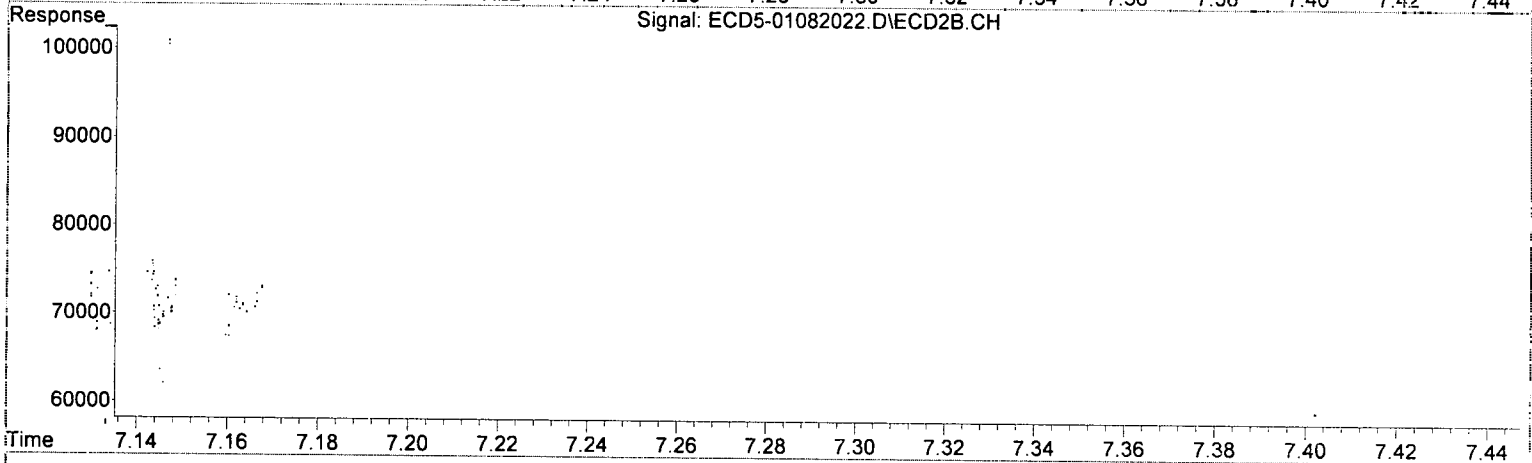
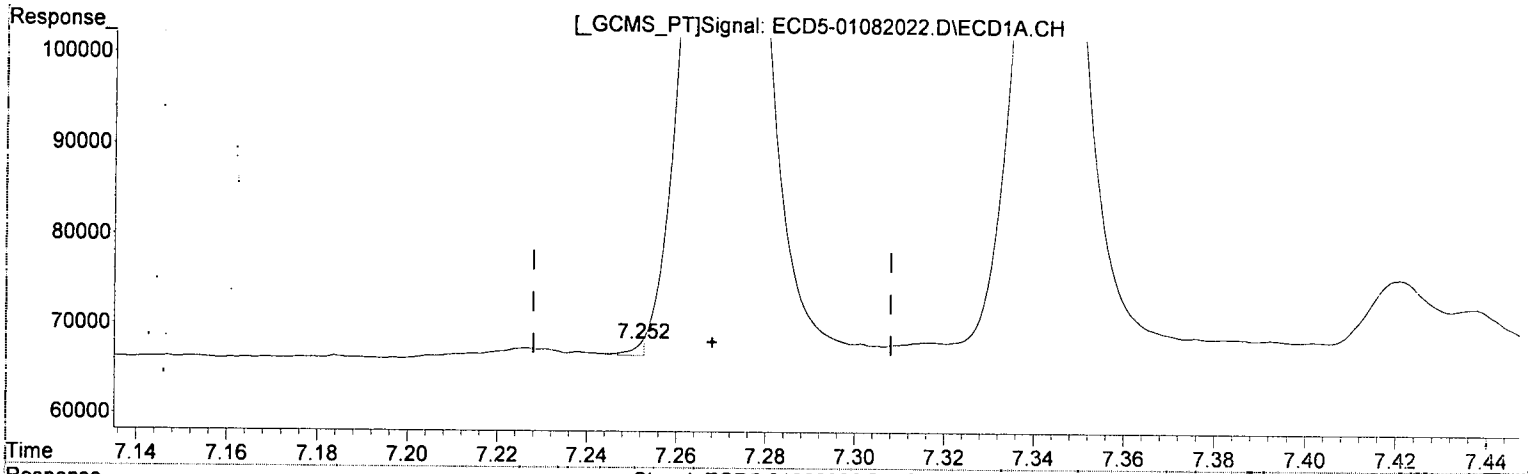


R = 2.16e+001 A*A + 1.74e+005 A + 3.55e+004
Coef of Det (r^2) = 0.995
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020
02/14/20 Anchor QEA LGC Gasco PierD DG 2019-4a-b DOC-CAP Testing Cores Page 1160 of 1468

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(25) Oxychlordane

7.252min -0.196 ng/mL(m)

response 1369

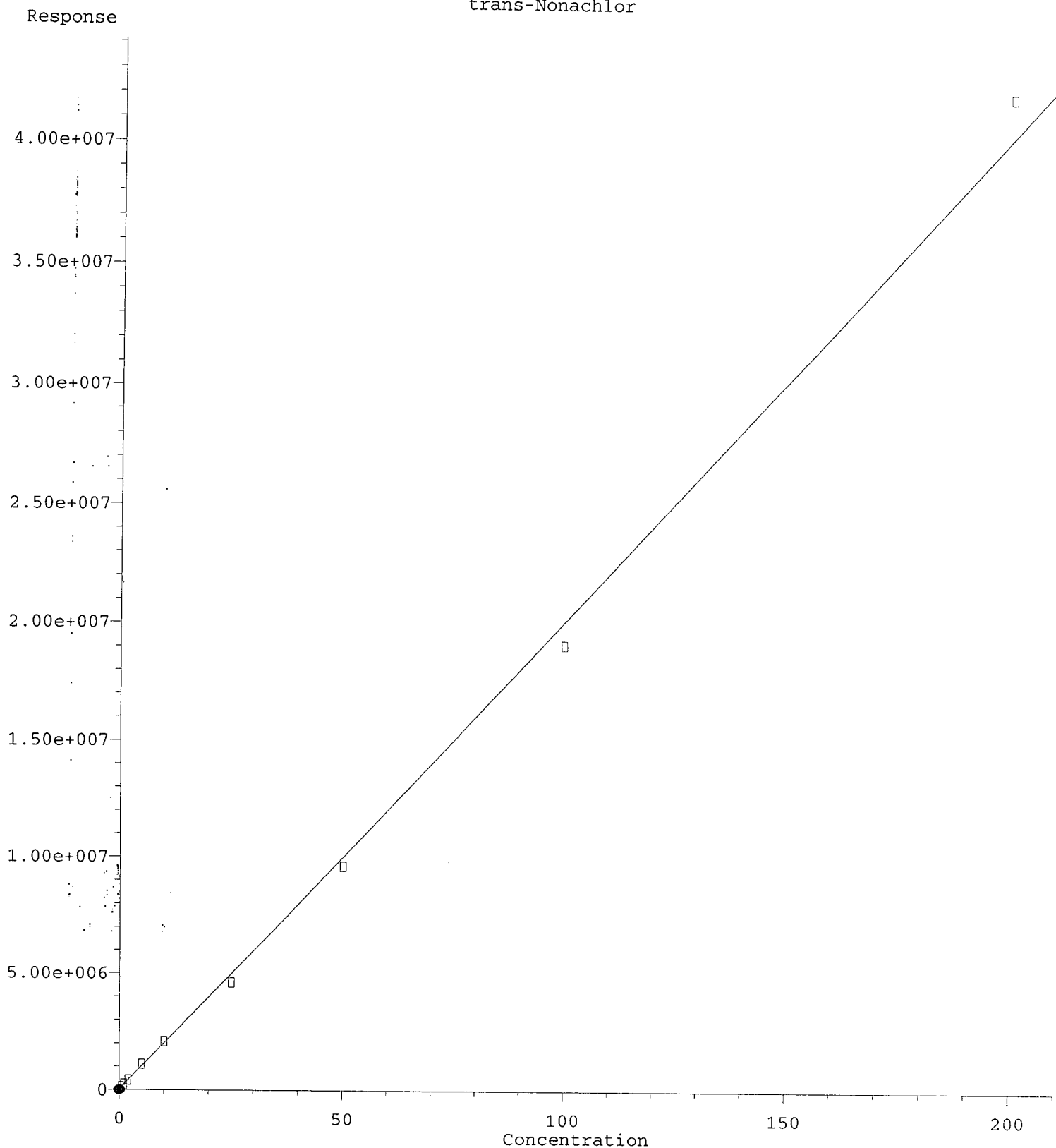
MJB
1/9/20

(25) Oxychlordane #2

8.069min 0.561 ng/mL

response 156922

trans-Nonachlor

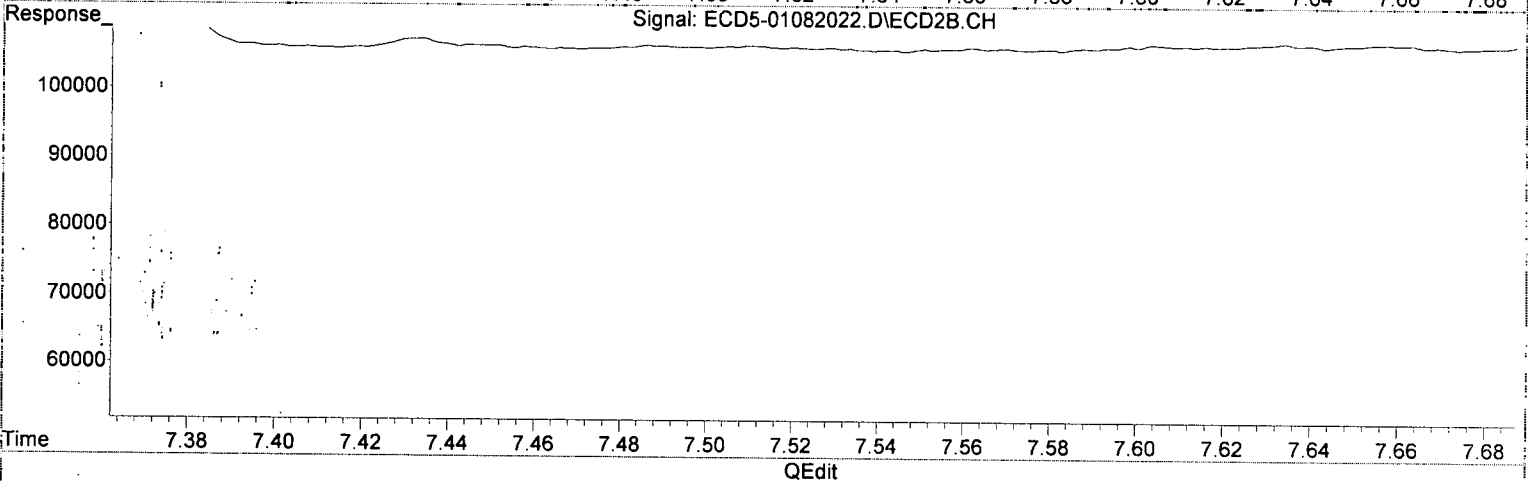
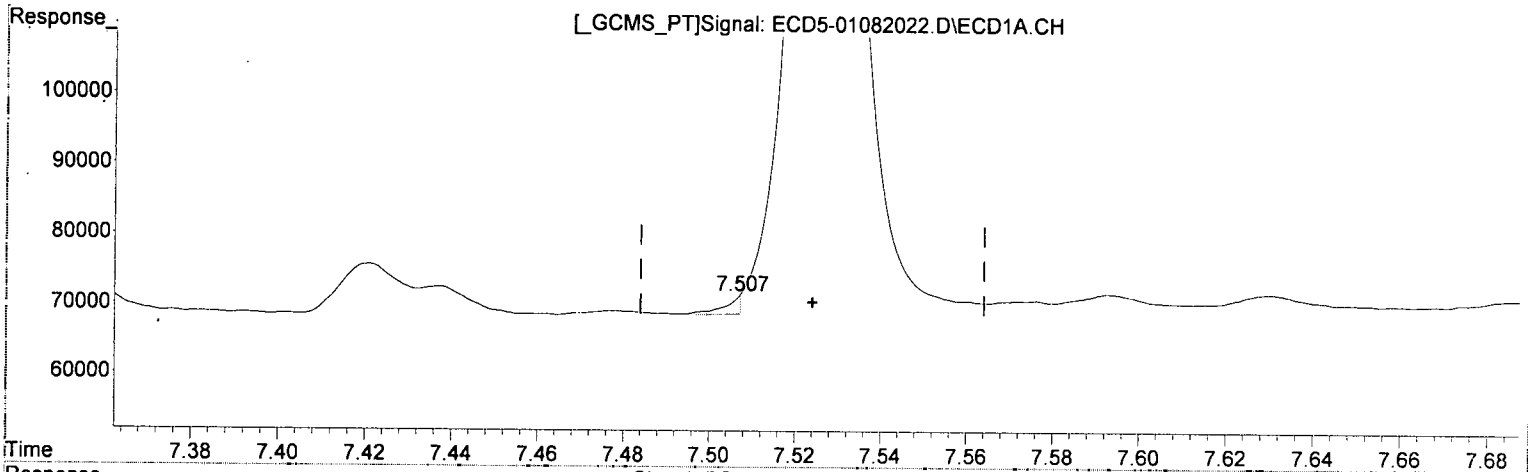


R = 1.77e+001 A*A + 1.98e+005 A + 3.11e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w (1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

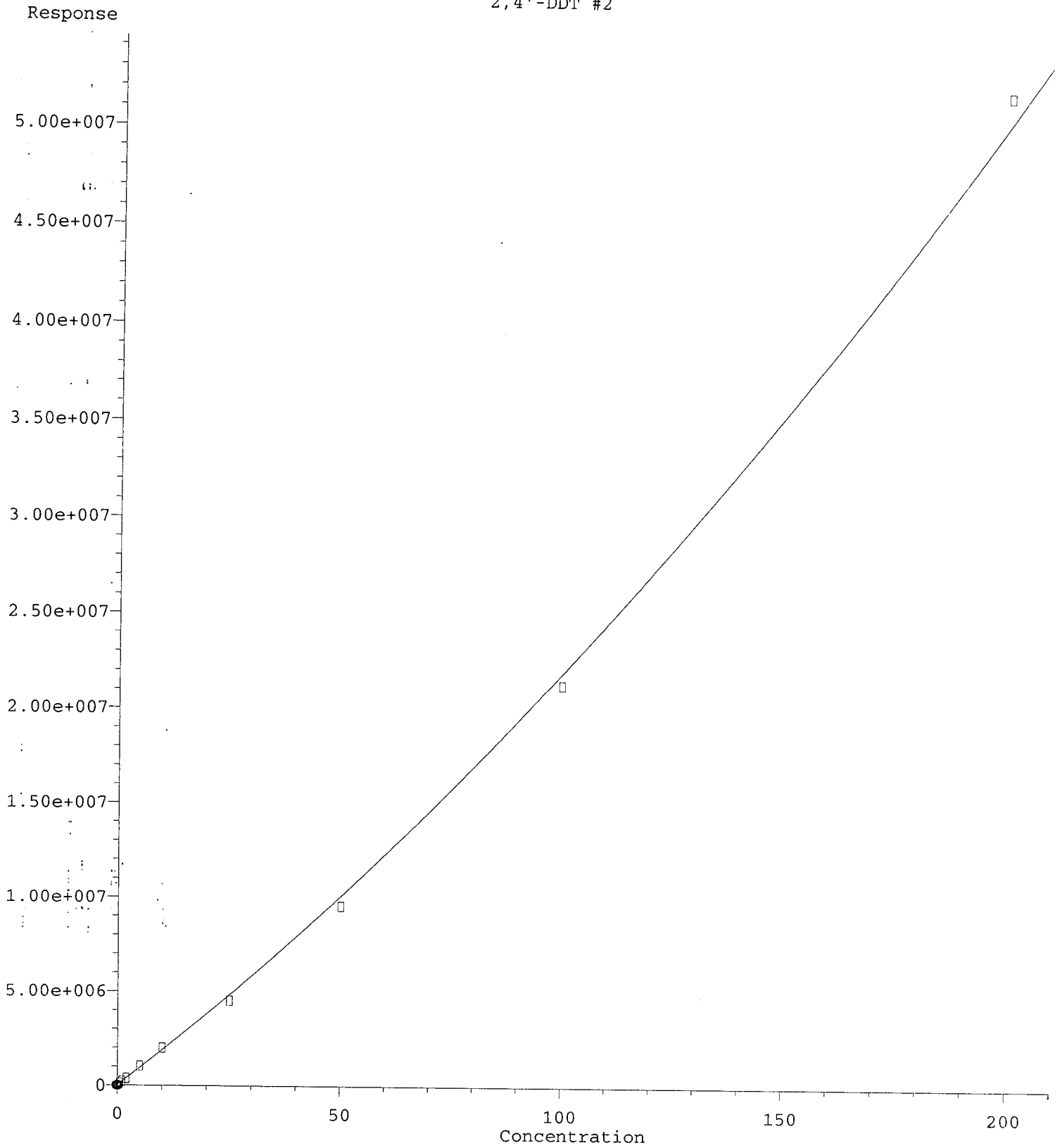
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(27) trans-Nonachlor
7.507min -0.144 ng/mL (m)
response 2555

MJB
1/9/20

(27) trans-Nonachlor #2
8.345min 0.545 ng/mL
response 167484

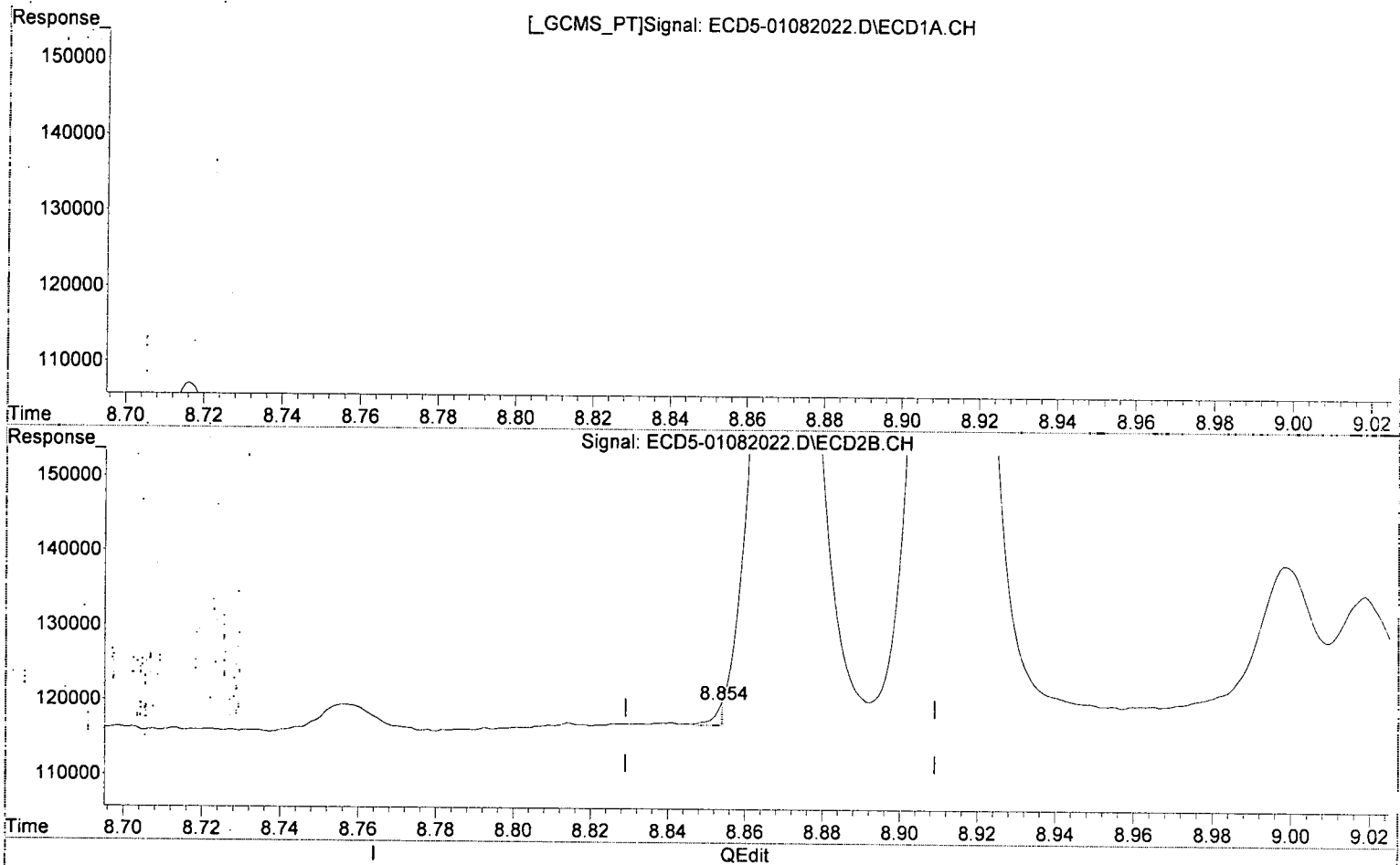


R = 3.42e+002 A*A + 1.84e+005 A + 1.92e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

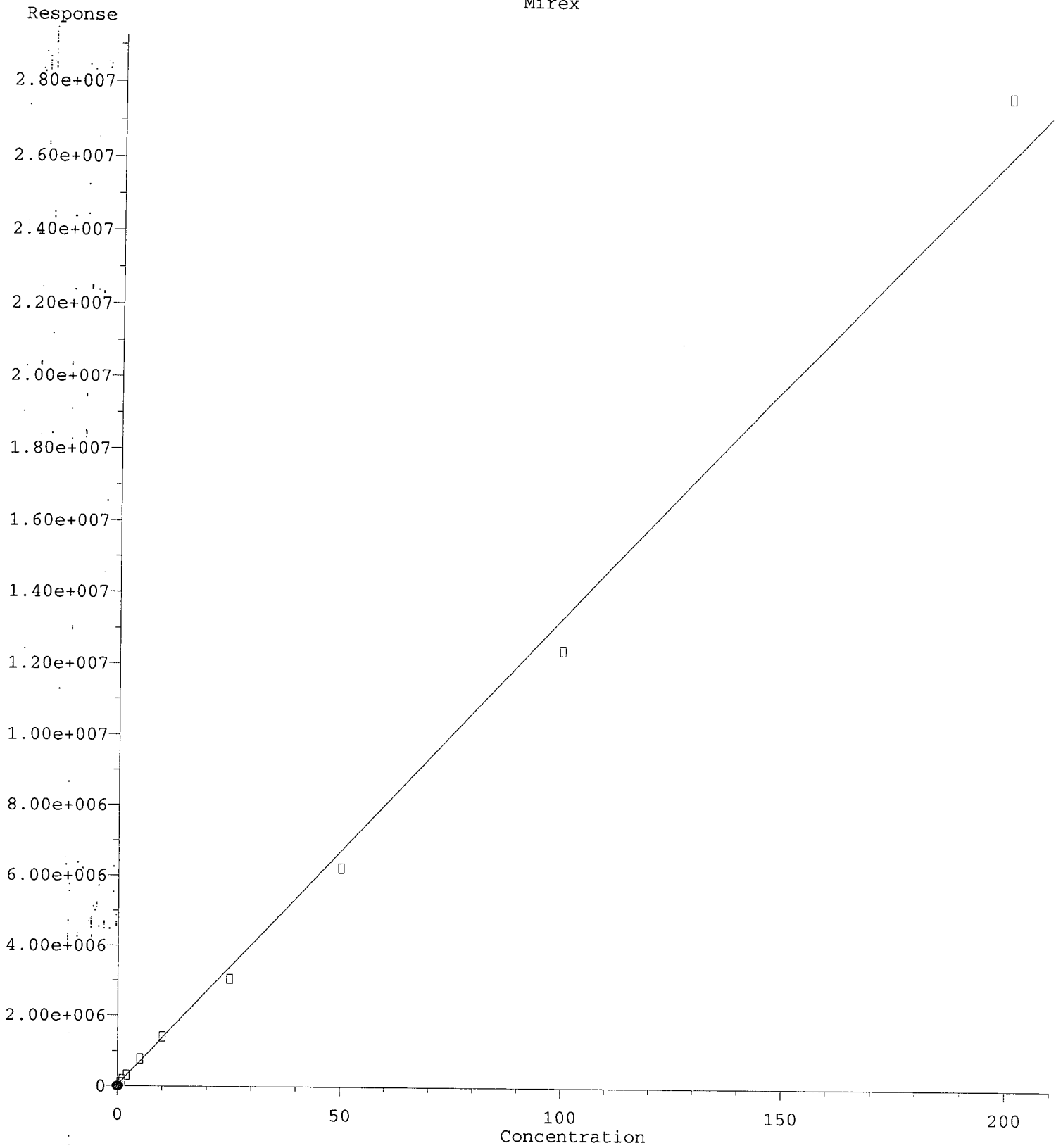


(29) 2,4'-DDT
7.899min 0.569 ng/mL
response 83331

MJB
1/9/20

(29) 2,4'-DDT #2
8.854min -0.089 ng/mL (m)
response 2826

Mirex

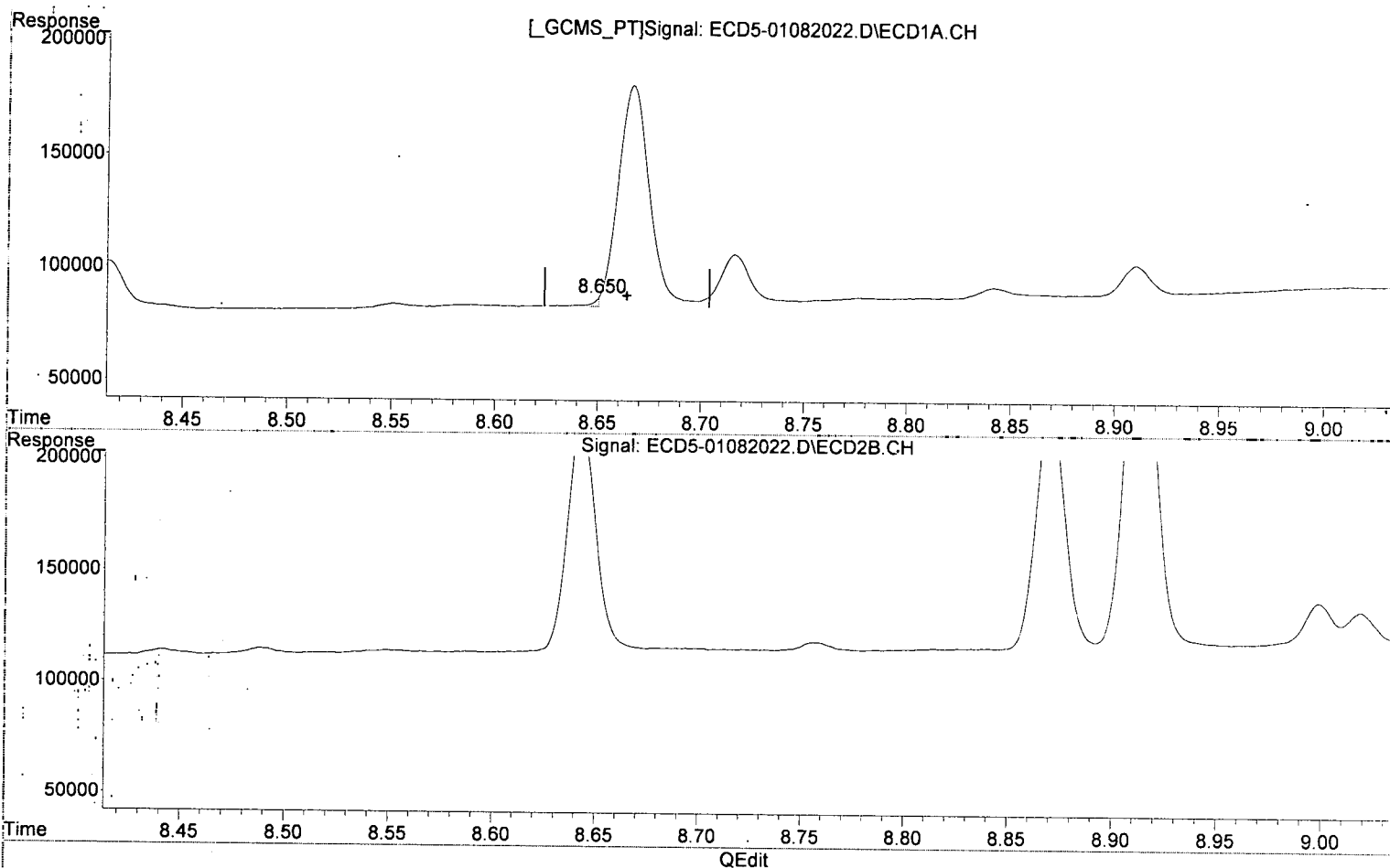


R = -2.01e+001 A*A + 1.35e+005 A + 3.33e+004
Coef of Det (r^2) = 0.992 Curve Fit: Quadratic w(1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex

8.650min 6723.018 ng/mL(m)

response 4035

QDA

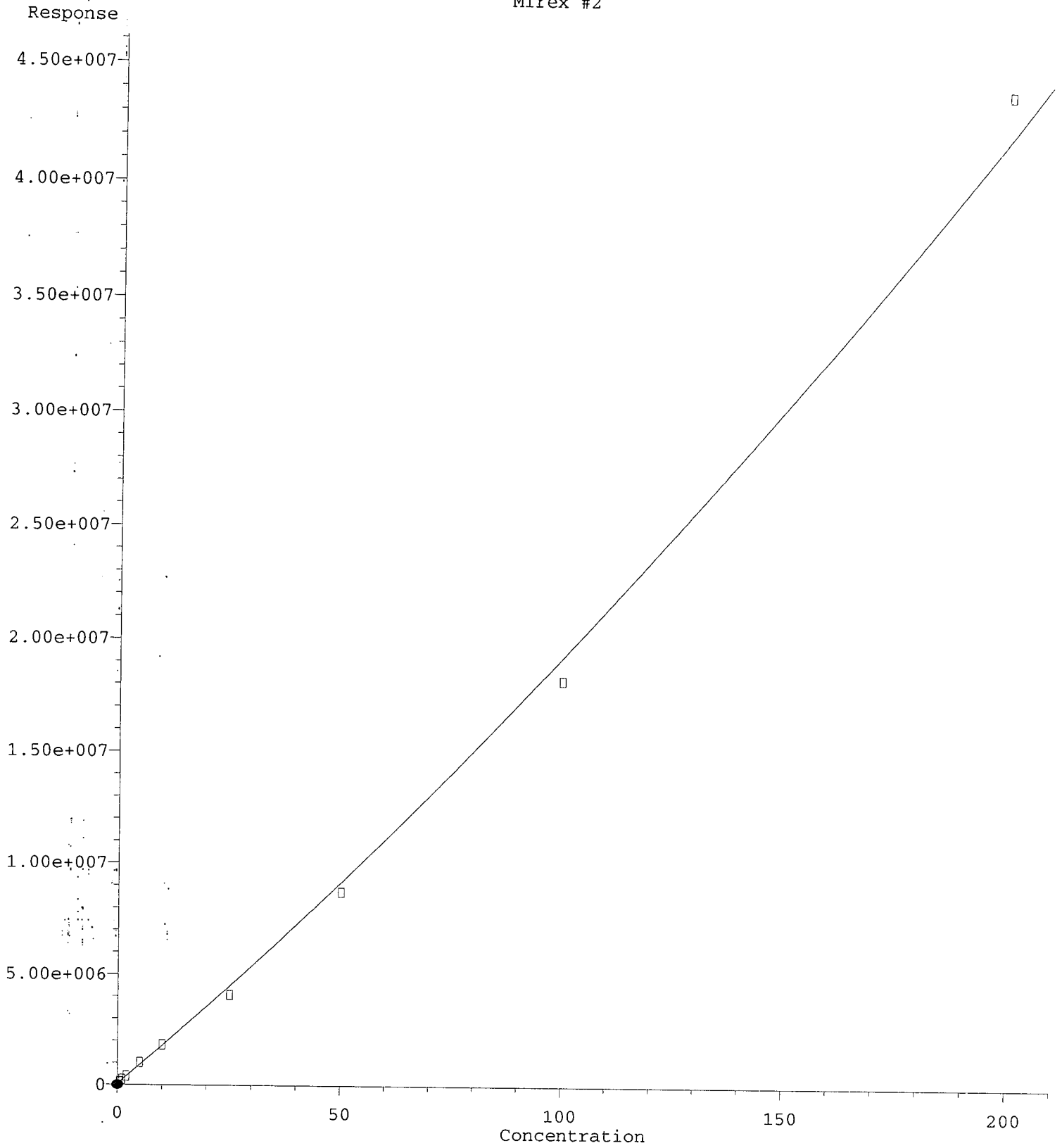
MJB 1/9/20

(31) Mirex #2

9.851min 0.470 ng/mL

response 127755

Mirex #2

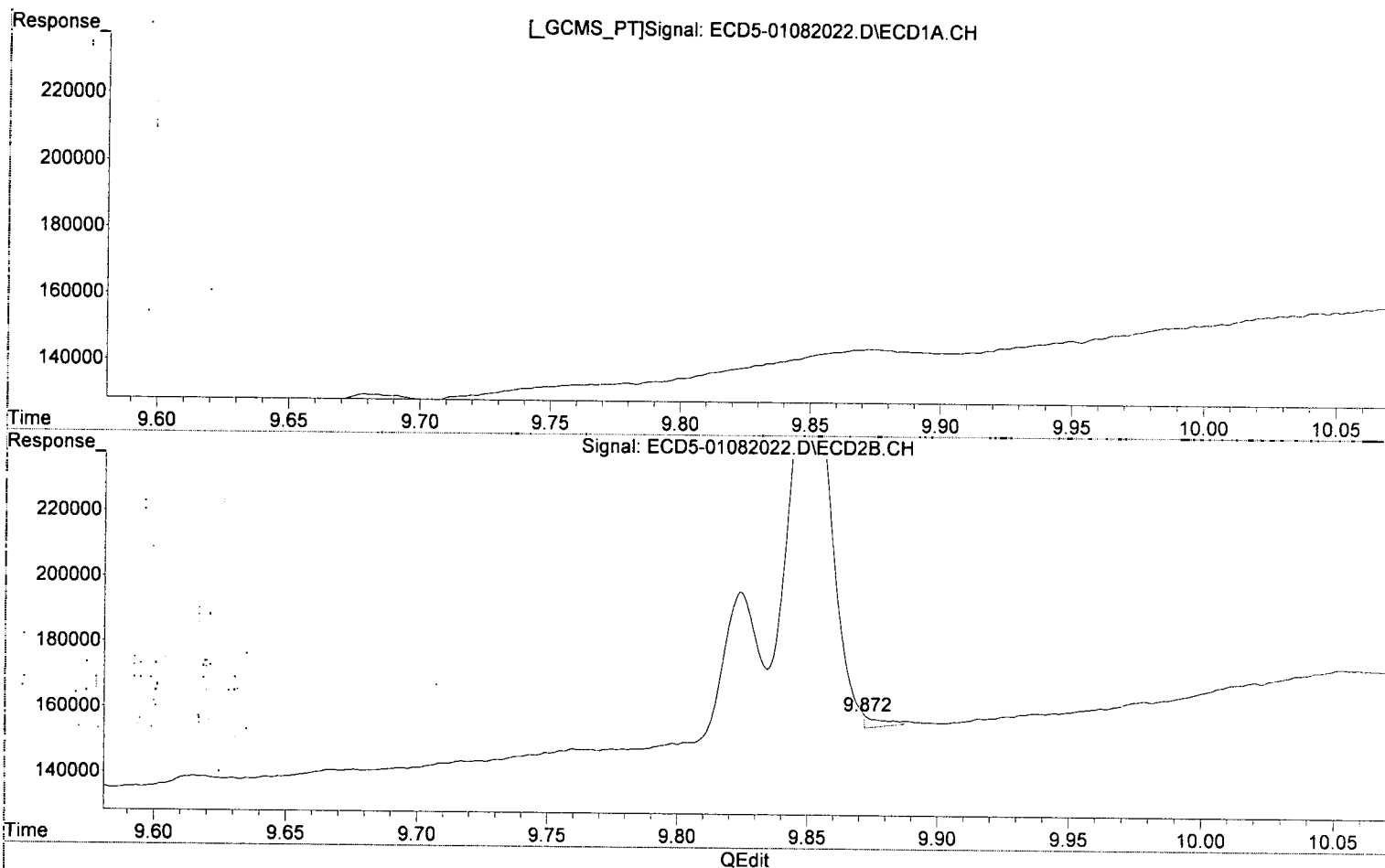


R = 1.90e+002 A*A + 1.73e+005 A + 4.66e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex

8.650min 6723.018 ng/mL m

response 4035

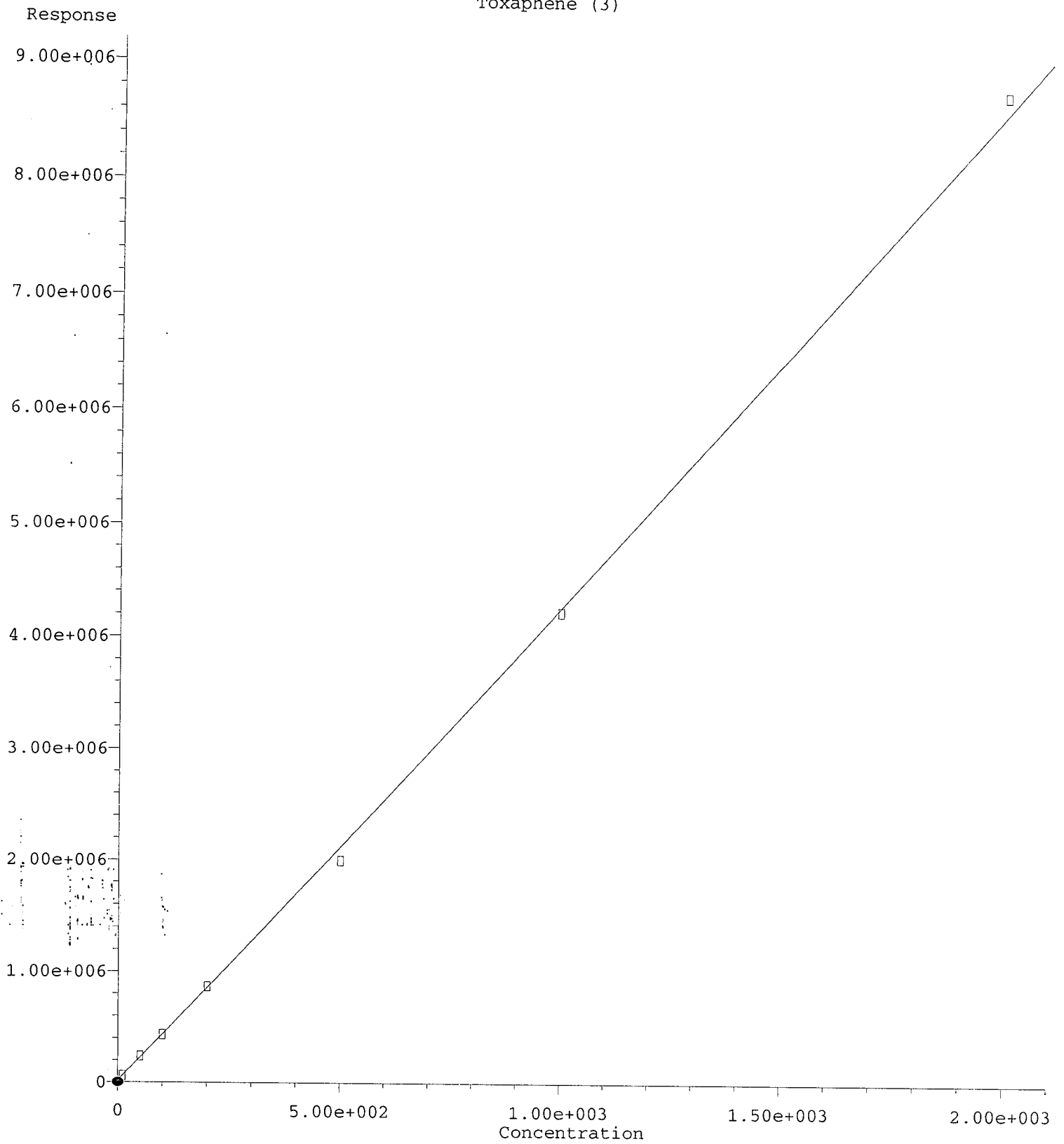
MJB
1/9/20

(31) Mirex #2

9.872min -0.247 ng/mL m

response 3982

Toxaphene (3)

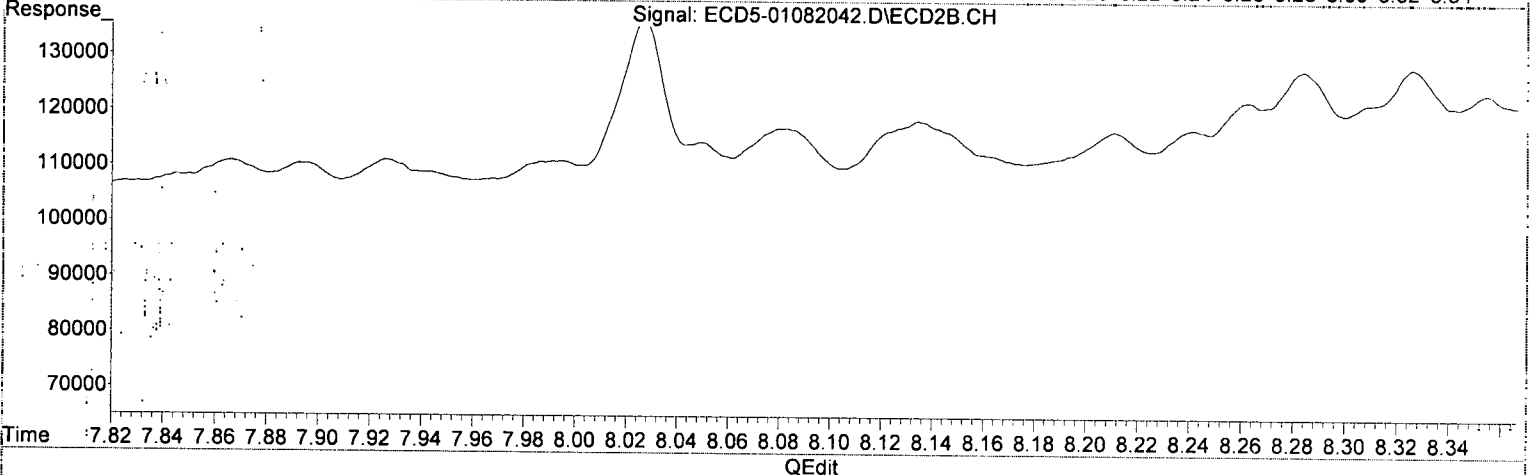
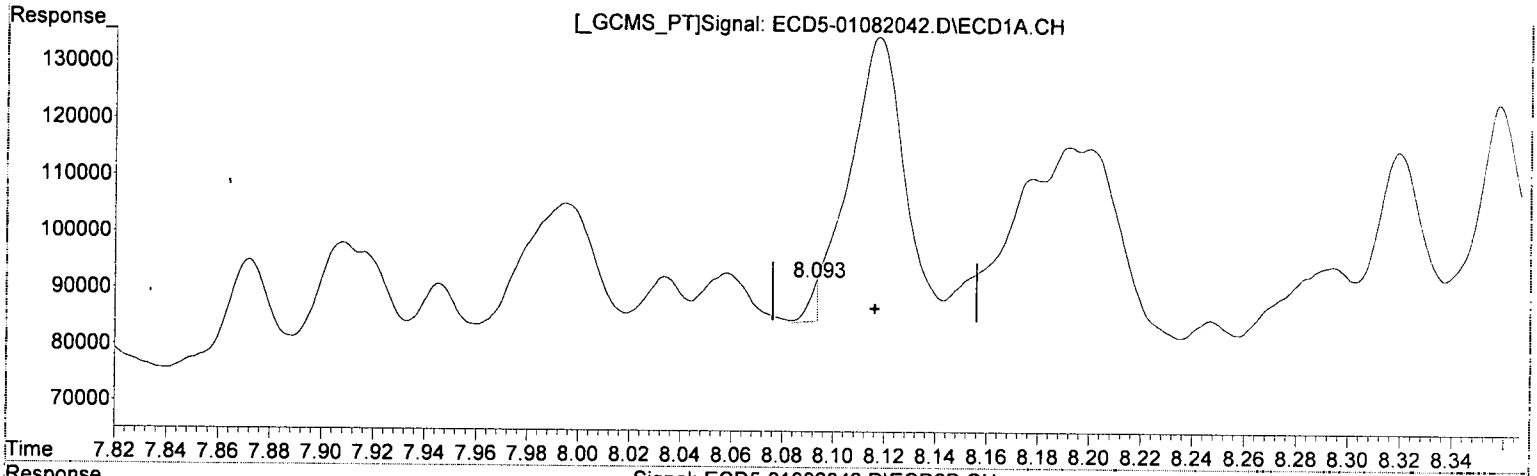


R = 5.57e+002 A*A + 4.18e+003 A + 1.74e+004
Coef of Det (r^2) = 0.999
Curve Fit: Quadratic w (1/a^2)
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:33:28 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



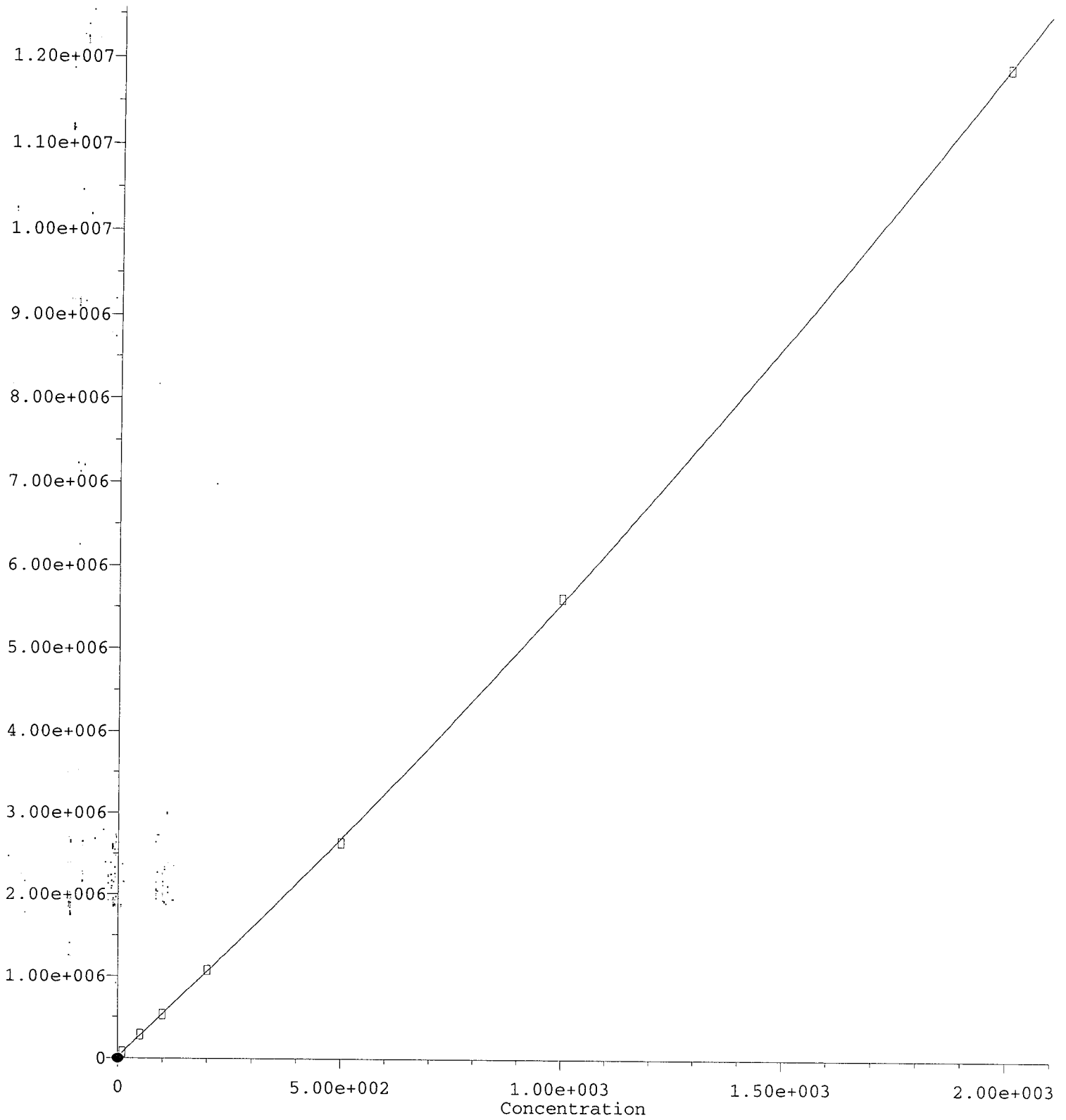
(38) Toxaphene (3)
8.093min -2.517 ng/mL (m)
response 6869

(38) Toxaphene (3) #2
9.004min 9.796 ng/mL
response 70419

MJB
1/9/20

Toxaphene (3) #2

Response

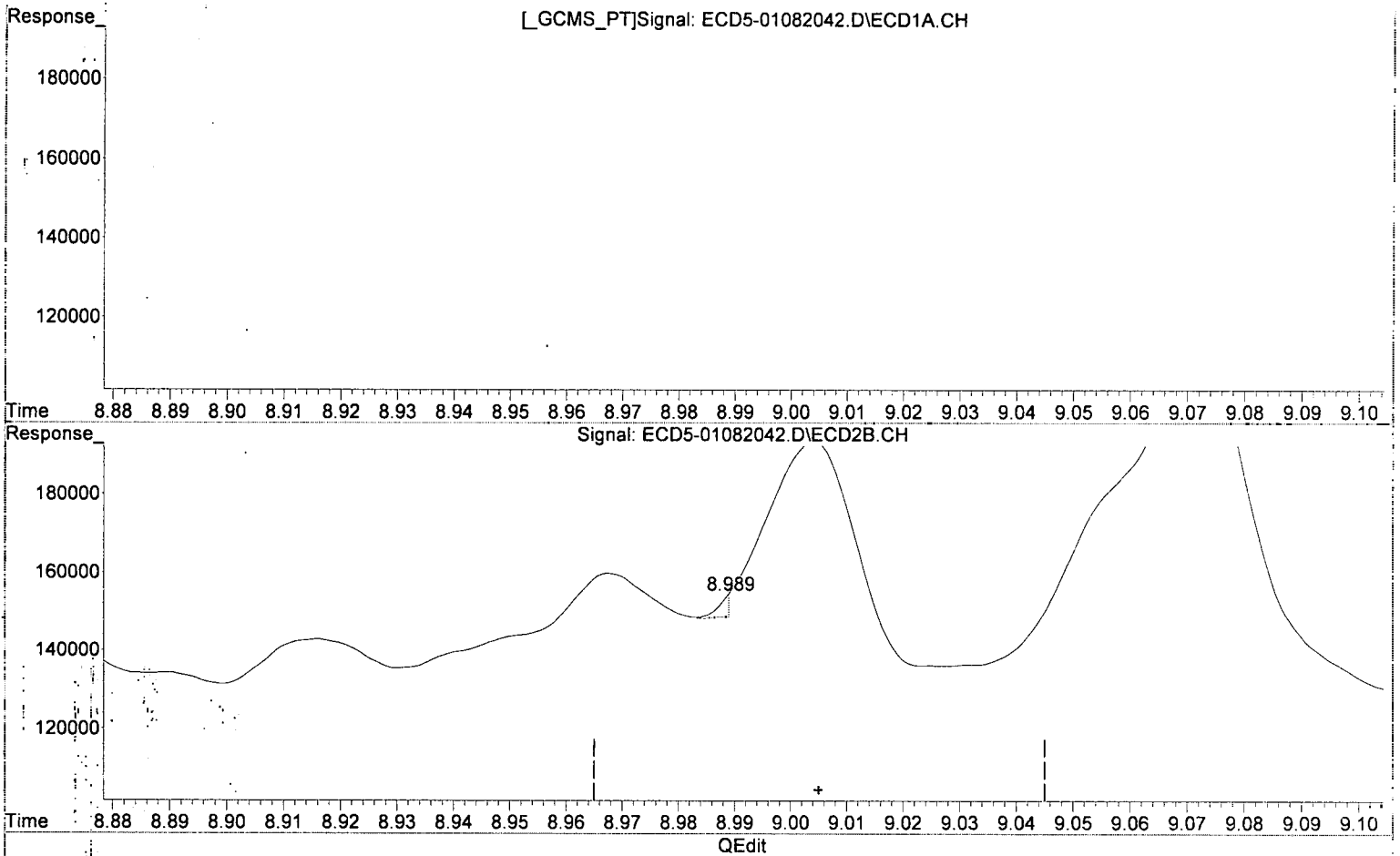


R = 4.34e-001 A*A + 5.12e+003 A + 2.03e+004
Coef of Det (r^2) = 1.000
Method Name: R:\methods\ECD5_QUANTPEST_200107.M
Calibration Table Last Updated: Thu Jan 09 11:15:03 2020
02/14/20 Anchor DEA LLC Gasco Field DG 2019-4a-b DOC-CAP Testing Cores Page 1172 of 1468

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:33:28 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(38) Toxaphene (3)
8.093min -2.517 ng/mL m
response 6869

MJB
1/9/20

(38) Toxaphene (3) #2
8.989min -2.864 ng/mL (m)
response 5624

Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082010.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 14:26
 Operator: MJB
 Sample: 0A08041-ICB1
 Misc: A19L339
 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: Jan 09 15:19:22 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

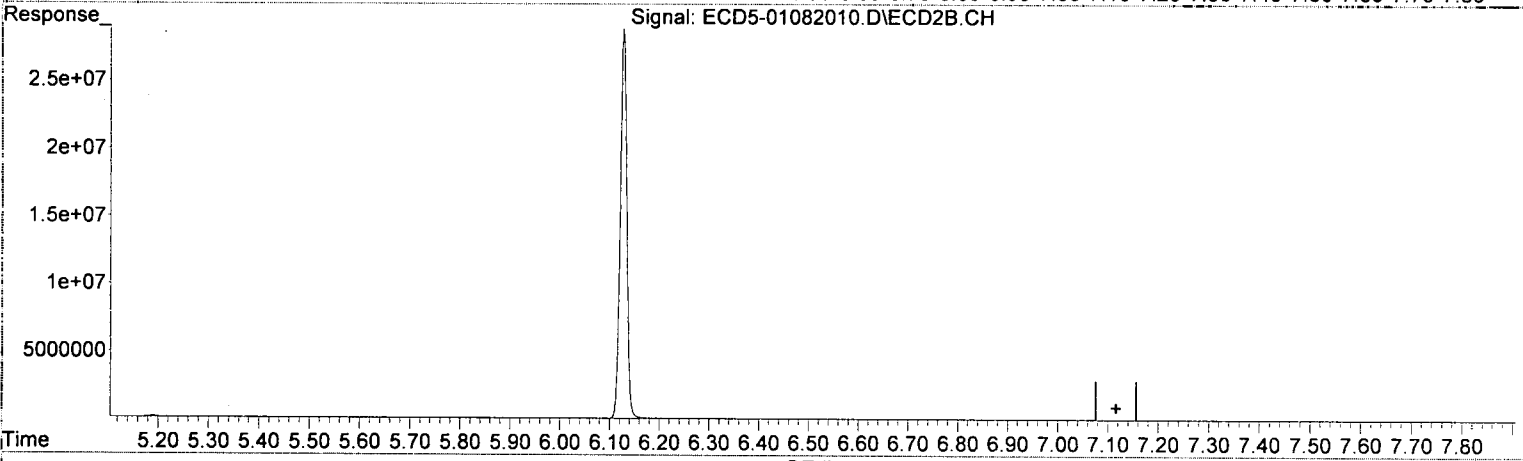
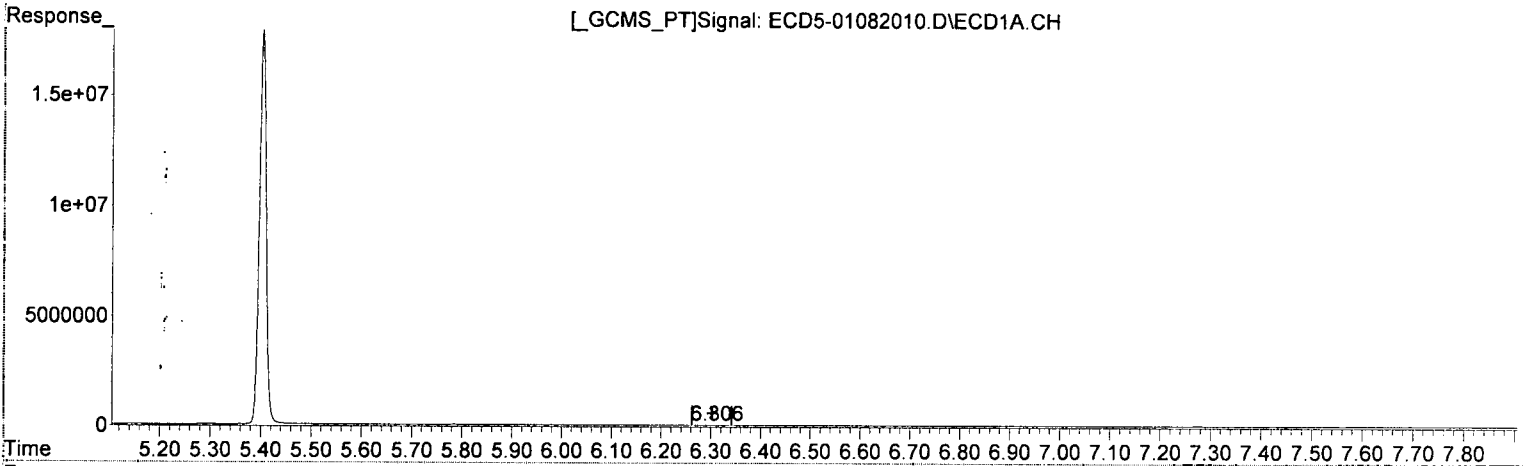
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.127	17766073	28691382	90.986	96.253
22) S DCBP (S)	9.609	10.740	14225686	16525508	96.069	92.868
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D.	N.D.
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.306	0.000	9896	0	5931.901 <i>Q.DU</i>	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	7.705	0	8780	N.D.	0.026 #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.423	8.287	4671	14140	0.022	0.045 #
10) cis-Chlor...	7.522	0.000	7488	0	0.037	N.D. #
11) Endosulfa...	7.632	0.000	556	0	0.003	N.D. #
12) 4,4'-DDE	7.632f	0.000	556	0	0.003	N.D. #
13) Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14) Endrin	7.996f	8.914f	1601	1747	0.009	0.007
15) 4,4'-DDD	7.996f	8.914	1601	1747	0.009	0.007
16) Endosulfa...	8.122	9.019	14545	1664	0.085	0.007 #
17) 4,4'-DDT	0.000	9.141	0	1142	N.D.	0.035 #
18) Endrin Al...	8.416	9.258	4058	5535	0.027	0.025
19) Endosulfa...	8.718	9.449	3436	4055	0.021	0.018
20) Methoxychlor	8.543	0.000	1661	0	0.019	N.D. #
21) Endrin Ke...	8.913	9.853	2109	5540	0.011	0.022 #
23) Hexachlor...	3.224	0.000	6869	0	0.034	N.D. #
24) Hexachlor...	5.784	6.613	22787	7433	BelowCal	0.023
25) Oxychlorthane	7.275	8.031f	13155	19724	BelowCal	0.071
26) 2,4'-DDE	0.000	8.287	0	14140	N.D.	0.067 #
27) trans-Non...	7.522	0.000	7488	0	BelowCal	N.D.
28) 2,4'-DDD	7.692f	0.000	818	0	0.006	N.D. #
29) 2,4'-DDT	7.881	0.000	1003	0	0.007	N.D. #
30) cis-Nonac...	7.996	8.914	1601	1747	0.007	0.005
31) Mirex	8.665	9.853	2535	5540	6723.029 <i>Q.DU</i>	BelowCal #
32) Chlordane...	7.423	8.287	4671	14140	0.199	0.364 #
33) Chlordane...	7.522	0.000	7488	0	0.260	N.D. #
34) Chlordane...	8.077	9.052	5256	36258	0.691	3.415 #
35) Chlordane...	3.809	0.000	396017	0	NoCal	N.D.
36) Toxaphene...	7.522	0.000	7488	0	7.110	N.D. #
37) Toxaphene...	0.000	9.000f	0	15397	N.D.	4.421 #
38) Toxaphene...	8.122	9.000	14545	15397	BelowCal	BelowCal
39) Toxaphene...	0.000	9.052	0	36258	N.D.	4.017 #
40) Toxaphene...	0.000	9.258	0	5535	N.D.	1.102 #
41) Toxaphene...	8.665	9.671f	2535	1204	0.584	0.215 #
42) Toxaphene...	3.809	0.000	396017	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:26
Operator : MJB
Sample : 0A08041-ICB1
Misc : A19L339
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: Jan 09 14:17:11 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Qedit

(4) b-BHC

6.306min 5931.981 ng/mL *Q-201*
response 9896

MJB 1/9/20

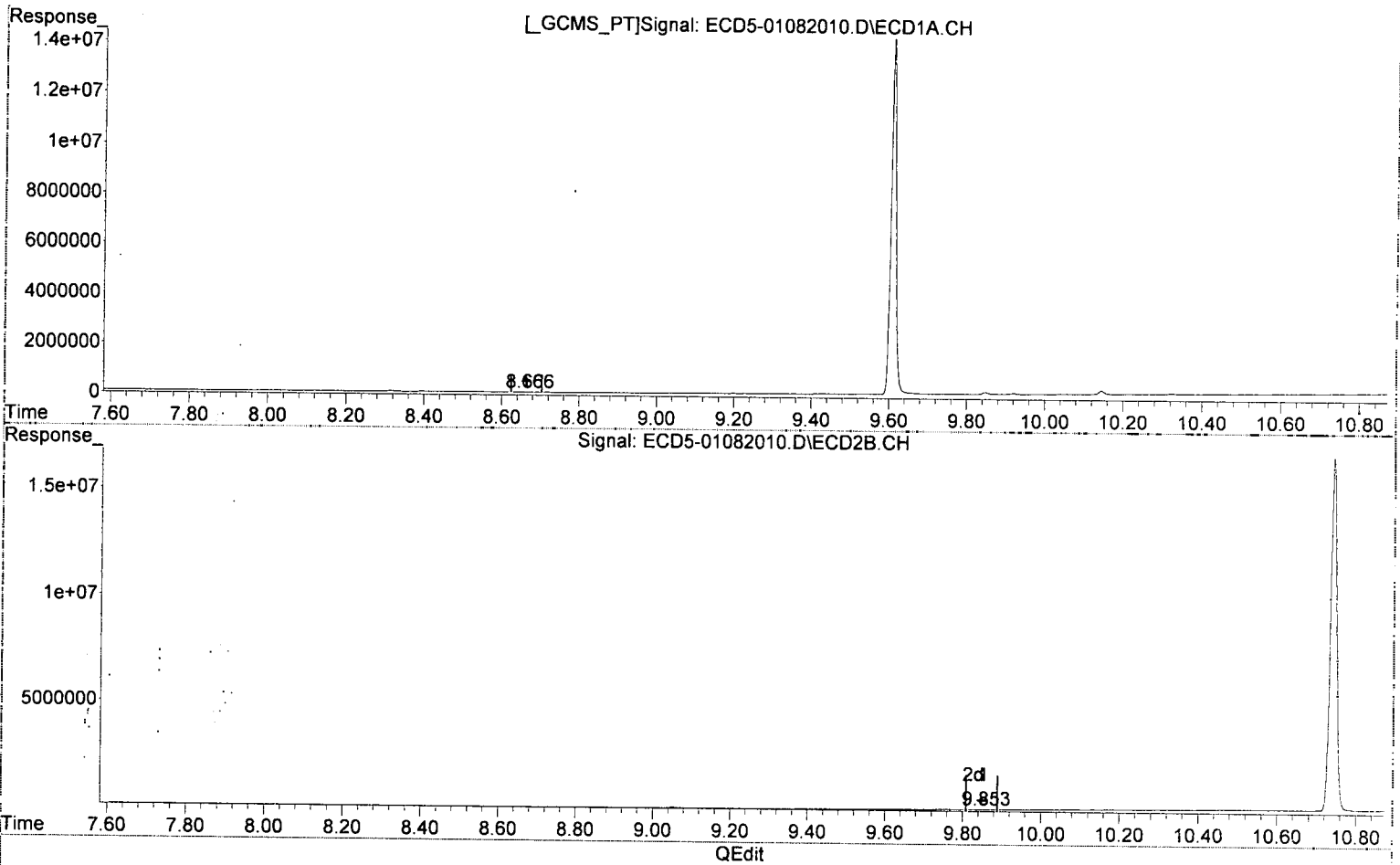
(4) b-BHC #2

0.000min 0.000 ng/mL
response 0

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:26
Operator : MJB
Sample : 0A08041-ICB1
Misc : A19L339
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: Jan 09 14:17:11 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(31) Mirex
8.665min 6723.029 ng/mL QDA
response 2535

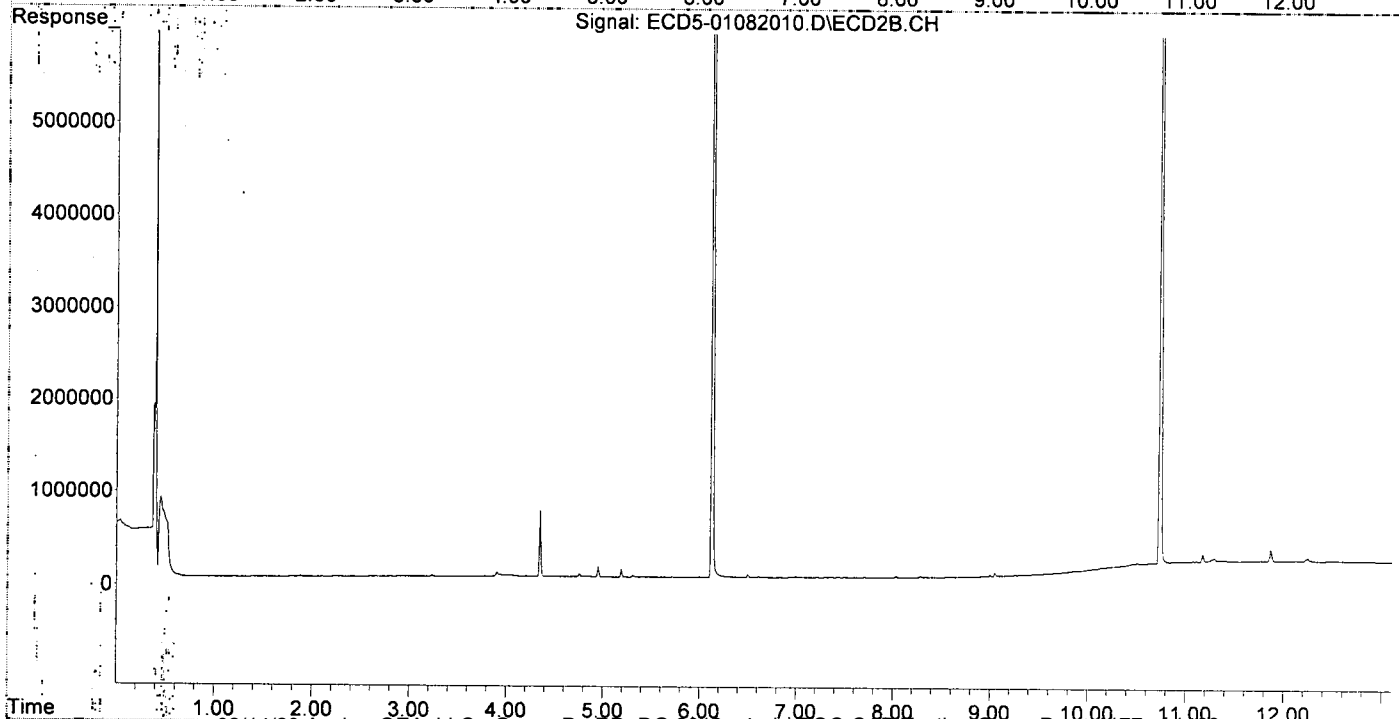
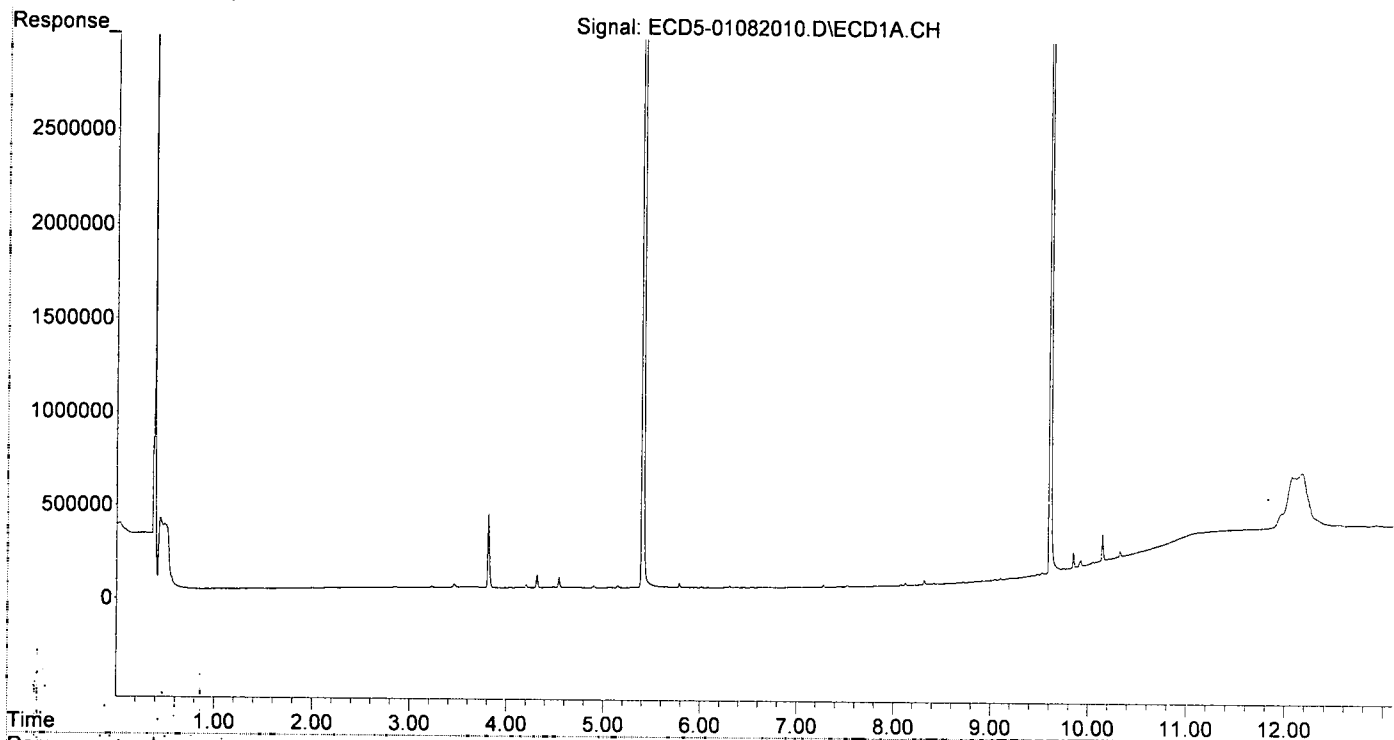
MJB
1/9/20

(31) Mirex #2
9.853min -0.238 ng/mL
response 5540

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:26
Operator : MJB
Sample : 0A08041-ICB1
Misc : A19L339
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: Jan 09 15:19:22 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082020.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 17:24
 Operator : MJB
 Sample : 0A08041-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: Jan 09 14:17:18 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

clear

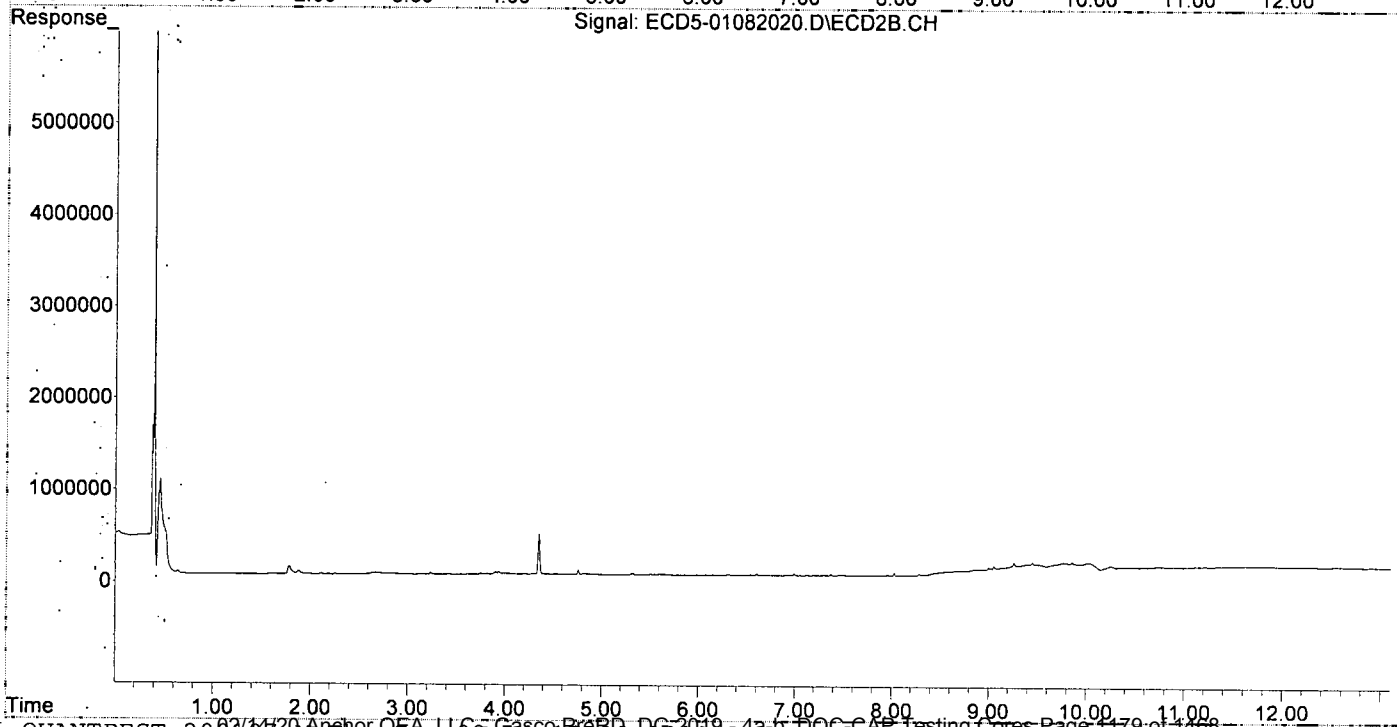
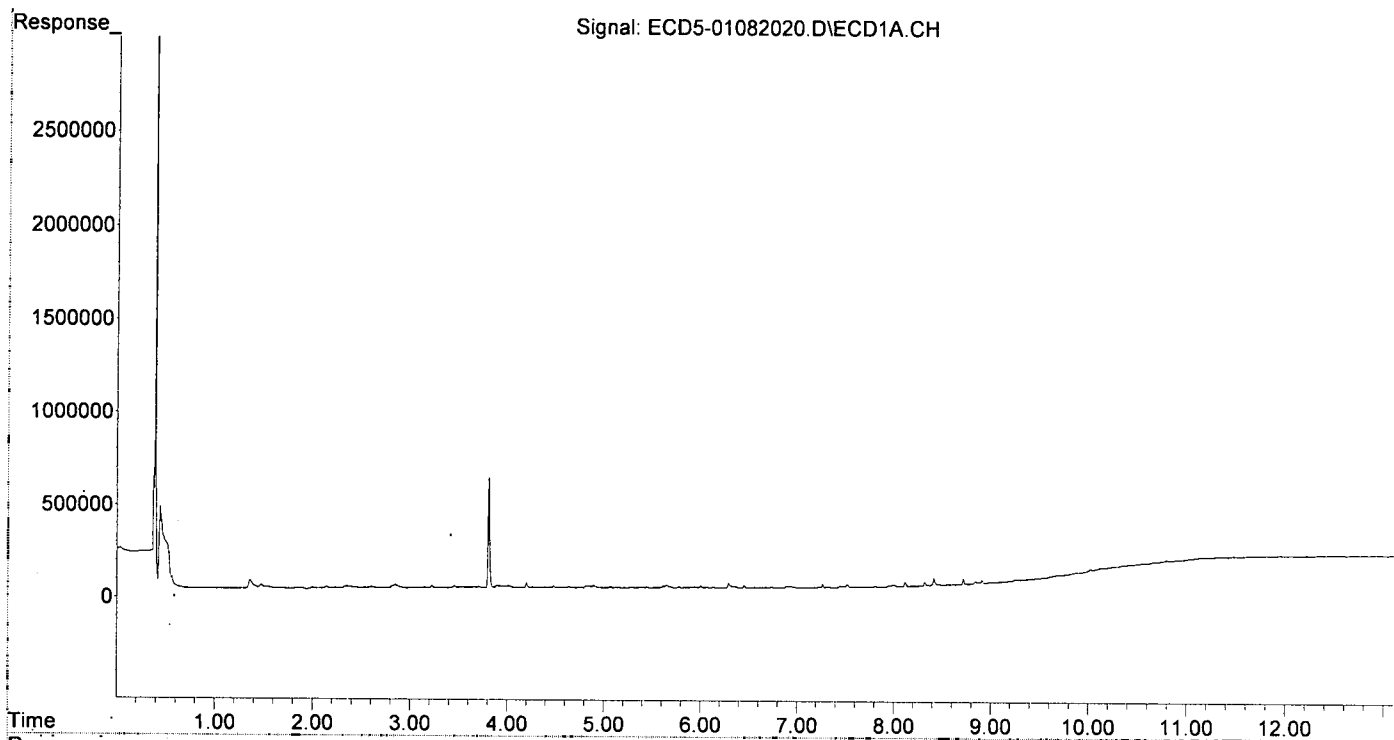
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.407	0.000	3155	0	0.016	N.D. #
22) S DCBP (S)	0.000	10.743	0	10635	N.D.	0.060 #
Target Compounds						
2) a-BHC	5.942	0.000	6334	0	0.024	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.293	0.000	23325	0	0.070	N.D. #
5) Heptachlor	6.676f	0.000	3628	0	0.016	N.D. #
6) d-BHC	6.452	7.374	12249	17449	0.056	0.110 #
7) Aldrin	6.893	0.000	7519	0	0.034	N.D. #
8) Heptachlo...	7.304f	0.000	2278	0	0.011	N.D. #
9) trans-Chl...	7.447	8.285	6561	14817	0.031	0.048 #
10) cis-Chlor...	7.521	0.000	14085	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	7.808	8.644	3833	14703	0.018	0.048 #
14) Endrin	7.967	8.877	6345	7476	0.037	0.032
15) 4,4'-DDD	7.994f	8.907	8147	4540	0.047	0.018 #
16) Endosulfa...	8.116	9.021	20423	10539	0.120	0.043 #
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.416	9.258	38642	48088	0.252	0.215
19) Endosulfa...	8.718	9.449	29549	33167	0.185	0.150
20) Methoxychlor	8.554	0.000	2252	0	0.026	N.D. #
21) Endrin Ke...	8.911	9.854	16387	26754	0.086	0.107
23) Hexachlor...	3.225	3.822	9749	6689	0.049	0.017 #
24) Hexachlor...	5.778	6.608	6648	16008	BelowCal	0.050
25) Oxychlorane	7.265	0.000	19560	0	BelowCal	N.D.
26) 2,4'-DDE	7.304f	8.285	2278	14817	0.016	0.070 #
27) trans-Non...	7.521	0.000	14085	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.644	0	14703	N.D.	0.080 #
29) 2,4'-DDT	0.000	8.877	0	7476	N.D.	BelowCal
30) cis-Nonac...	7.994	8.907	8147	4540	0.035	0.013 #
31) Mirex	0.000	9.854	0	26754	N.D.	BelowCal
32) Chlordane...	7.447	8.285	6561	14817	0.280	0.381
33) Chlordane...	7.521	0.000	14085	0	0.489	N.D. #
34) Chlordane...	8.116f	9.053	20423	26825	2.685	2.526
35) Chlordane...	3.810	3.777	591046	5978	NoCal	NoCal
36) Toxaphene...	7.521	8.644f	14085	14703	13.373	5.437 #
37) Toxaphene...	7.808	8.998f	3833	18383	1.971	5.279 #
38) Toxaphene...	8.116	8.998	20423	18383	0.727	BelowCal #
39) Toxaphene...	8.319f	9.053	19690	26825	4.874	2.972
40) Toxaphene...	8.554f	9.258	2252	48088	0.685	9.575 #
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
42) Toxaphene...	3.810	3.822	591046	6689	NoCal	NoCal

MJB 1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:24
Operator : MJB
Sample : 0A08041-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: Jan 09 14:17:18 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082021.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 17:42
 Operator : MJB
 Sample : 0A08041-ICV1
 Misc : A19I209, AB 50 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: Jan 09 15:19:34 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

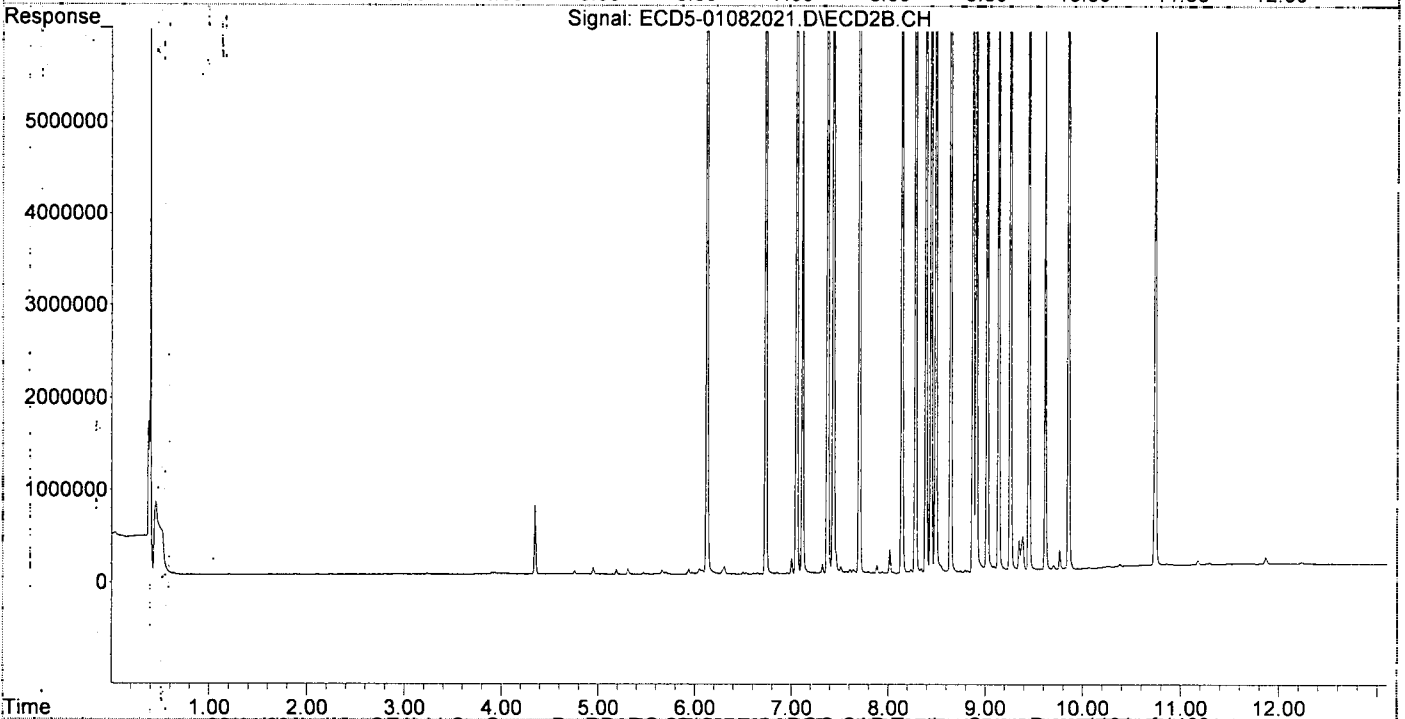
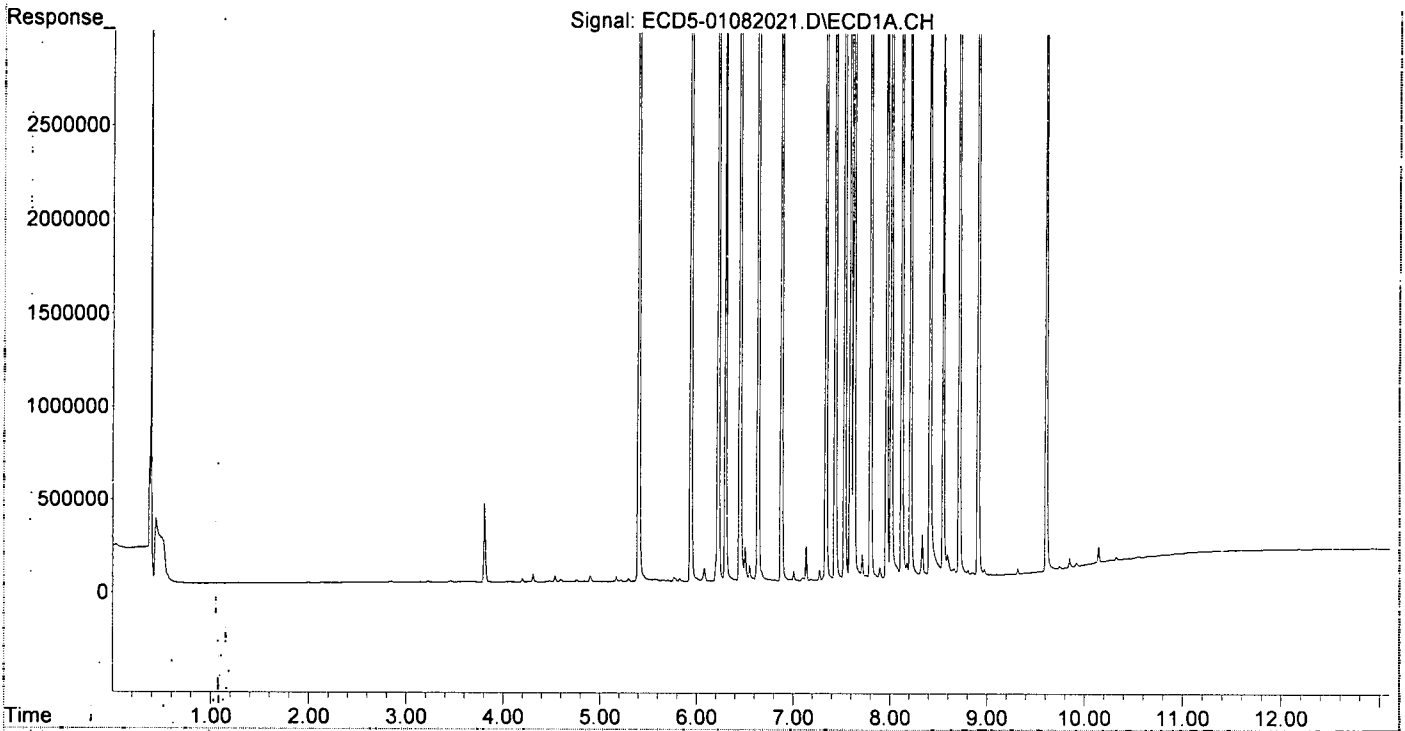
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.125	9103628	14066594	46.623	47.190
22) S DCBP (S)	9.608	10.740	7112275	8081936	47.665	45.418
Target Compounds						
2) a-BHC	5.941	6.733	12790994	21224953	48.605	51.398
3) g-BHC	6.225	7.053	11683208	18879724	50.035	51.711
4) b-BHC	6.300	7.114	4706924	7535163	48.238	46.844
5) Heptachlor	6.637	7.433	10590293	17122257	46.605	48.301
6) d-BHC	6.450	7.372	10837514	17920851	49.749	50.404
7) Aldrin	6.879	7.703	10814138	16957853	49.013	50.916
8) Heptachlo...	7.339	8.141	9791145	15366677	47.494	49.886
9) trans-Chl...	7.435	8.282	10221604	15198295	48.508	48.739
10) cis-Chlor...	7.532	8.390	9592137	14376121	46.876	48.462
11) Endosulfa...	7.629	8.442	9304629	13863731	48.011	49.890
12) 4,4'-DDE	7.592	8.490	10130543	15472928	49.133	50.116
13) Dieldrin	7.801	8.643	10489078	15965611	48.701	51.680
14) Endrin	7.966	8.873	8592222	12278386	49.661	52.256
15) 4,4'-DDD	8.014	8.908	8248067	12471144	47.772	50.736
16) Endosulfa...	8.123	9.020	8434356	12701179	49.434	51.990
17) 4,4'-DDT	8.213	9.137	8208299	12016612	49.549	51.377
18) Endrin Al...	8.414	9.257	7950732	12212103	51.927	54.615
19) Endosulfa...	8.716	9.448	7923307	11786967	49.509	53.174
20) Methoxychlor	8.550	9.615	4148884	5960918	47.904	50.121
21) Endrin, Ke...	8.910	9.853	9320771	12631849	48.808	50.440
23) Hexachlor...	3.224	0.000	5802	0	0.029	N.D. #
24) Hexachlor...	5.767	6.610	24739	10021	BelowCal	0.031
25) Oxychlorane	7.275	0.000	55008	0	0.112	N.D. #
26) 2,4'-DDE	7.339	8.282	9791145	15198295	68.666	72.170
27) trans-Non...	7.532	8.344	9592137	44865	48.026	0.146 #
28) 2,4'-DDD	7.715	8.643	132532	15965611	1.042	86.563 #
29) 2,4'-DDT	7.897	8.873	57700	12278386	0.394	59.966 #
30) cis-Nonac...	8.014	8.908	8248067	12471144	34.995	36.557
31) Mirex	8.664	9.853	39909	12631849	0.049	67.878 #
32) Chlordane...	7.435	8.282	10221604	15198295	435.674	390.732
33) Chlordane...	7.532	8.390	9592137	14376121	332.820	447.883
34) Chlordane...	0.000	9.092f	0	59578	N.D.	5.611 #
35) Chlordane...	3.808	0.000	418059	0	NoCal	N.D.
36) Toxaphene...	7.532f	8.643f	9592137	15965611	9107.422	5903.771
37) Toxaphene...	7.801	0.000	10489078	0	5393.774	N.D. #
38) Toxaphene...	8.123	9.020	8434356	12701179	1962.925	2103.723
39) Toxaphene...	8.335f	9.092	226518	59578	56.068	6.601 #
40) Toxaphene...	8.595	9.257	118127	12212103	35.929	2431.744 #
41) Toxaphene...	8.664	9.615	39909	5960918	9.191	1061.764 #
42) Toxaphene...	3.808	0.000	418059	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:42
Operator : MJB
Sample : 0A08041-ICV1
Misc : A19I209, AB 50 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: Jan 09 15:19:34 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082031.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 20:33
 Operator : MJB
 Sample : 0A08041-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: Jan 09 14:17:30 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Clear

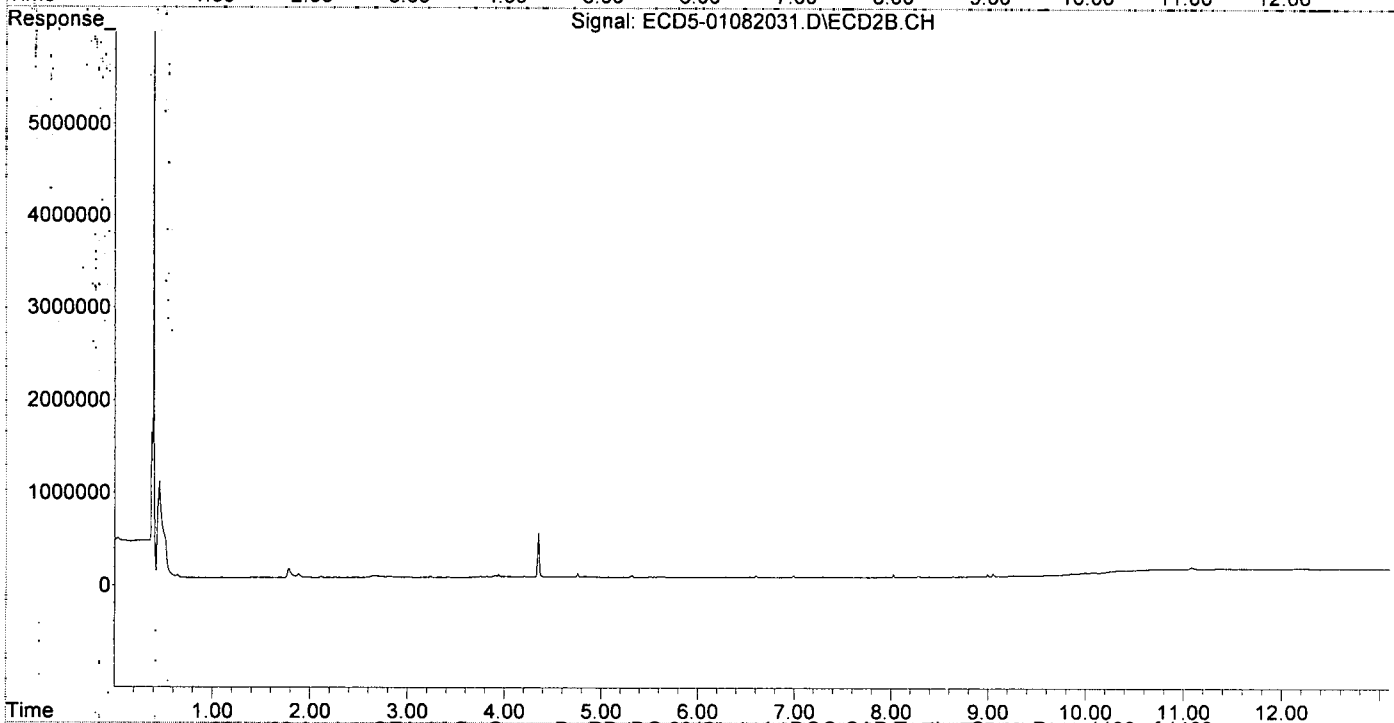
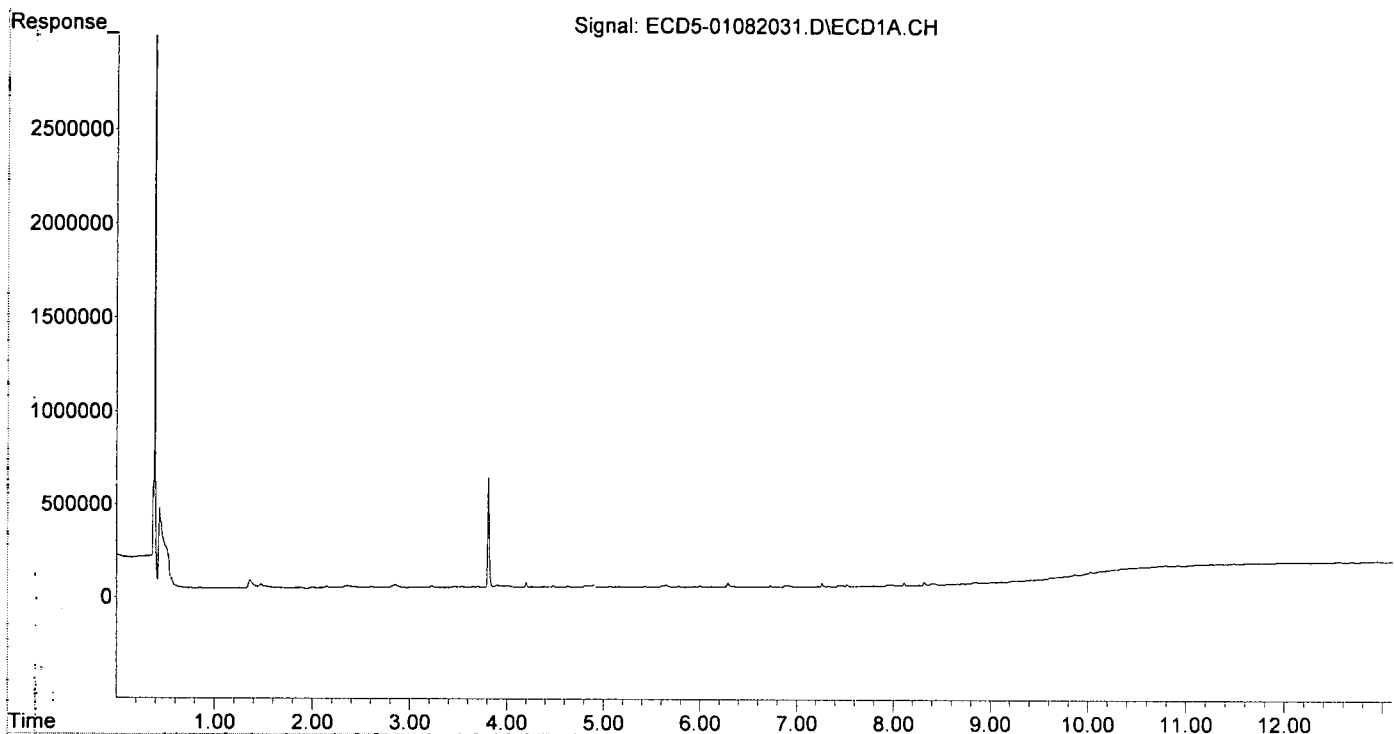
MJB 1/9/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.433f	0.000	5598	0	0.029	N.D. #
22) S DCBP (S)	9.611	10.744	10150	4503	8131.917	0.025 #
Target Compounds						
2) a-BHC	5.941	0.000	5055	0	0.019	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.291	0.000	22364	0	0.061	N.D. #
5) Heptachlor	6.674f	0.000	3785	0	0.017	N.D. #
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.
7) Aldrin	6.882	0.000	8653	0	0.039	N.D. #
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9) trans-Chl...	7.436	8.282	7357	13631	0.035	0.044
10) cis-Chlor...	7.520	8.389	11723	3404	0.057	0.011 #
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	8.642	0	5313	N.D.	0.017 #
14) Endrin	7.965	8.911f	5834	5682	0.034	0.024
15) 4,4'-DDD	7.993f	8.911	8759	5682	0.051	0.023 #
16) Endosulfa...	8.111	8.995f	17658	25073	0.103	0.103
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.413	9.257	9045	7452	0.059	0.033 #
19) Endosulfa...	8.716	0.000	3724	0	0.023	N.D. #
20) Methoxychlor	8.558	9.613	990	4034	0.011	0.034 #
21) Endrin Ke...	8.910	9.851	3001	12022	0.016	0.048 #
23) Hexachlor...	3.225f	3.812	10570	6895	0.053	0.017 #
24) Hexachlor...	5.778	6.605	7733	18943	BelowCal	0.059
25) Oxychlordane	7.263	0.000	20987	0	BelowCal	N.D.
26) 2,4'-DDE	0.000	8.282	0	13631	N.D.	0.065 #
27) trans-Non...	7.520	0.000	11723	0	BelowCal	N.D.
28) 2,4'-DDD	0.000	8.642	0	5313	N.D.	0.029 #
29) 2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
30) cis-Nonac...	7.993	8.911	8759	5682	0.037	0.017 #
31) Mirex	8.664	9.851	2560	12022	6723.028	BelowCal #
32) Chlordane...	7.436	8.282	7357	13631	0.314	0.350
33) Chlordane...	7.520	8.389	11723	3404	0.407	0.106 #
34) Chlordane...	8.111f	9.052	17658	31858	2.321	3.000
35) Chlordane...	3.810	3.812	587214	6895	NoCal	NoCal
36) Toxaphene...	7.520	8.642f	11723	5313	11.131	1.964 #
37) Toxaphene...	0.000	8.995f	0	25073	N.D.	7.200 #
38) Toxaphene...	8.111	8.995	17658	25073	0.065	0.939 #
39) Toxaphene...	8.319f	9.052f	16925	31858	4.189	3.530
40) Toxaphene...	8.591	9.257	617	7452	0.188	1.484 #
41) Toxaphene...	8.664	9.646	2560	2177	0.590	0.388
42) Toxaphene...	3.810	3.812	587214	6895	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 20:33
Operator : MJB
Sample : 0A08041-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: Jan 09 14:17:30 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082032.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 20:50
 Operator : MJB
 Sample : 0A08041-ICV2
 Misc : A19J410, 9-42 50 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: Jan 09 14:17:36 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

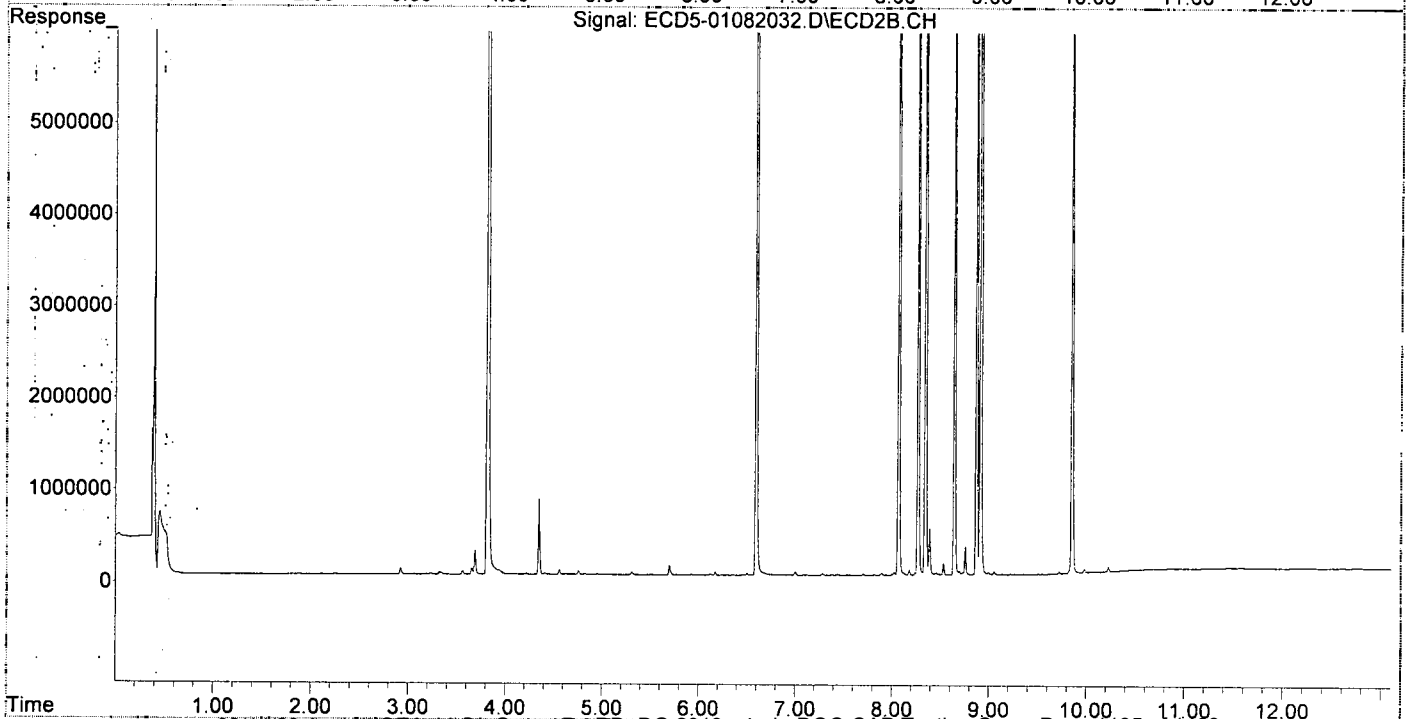
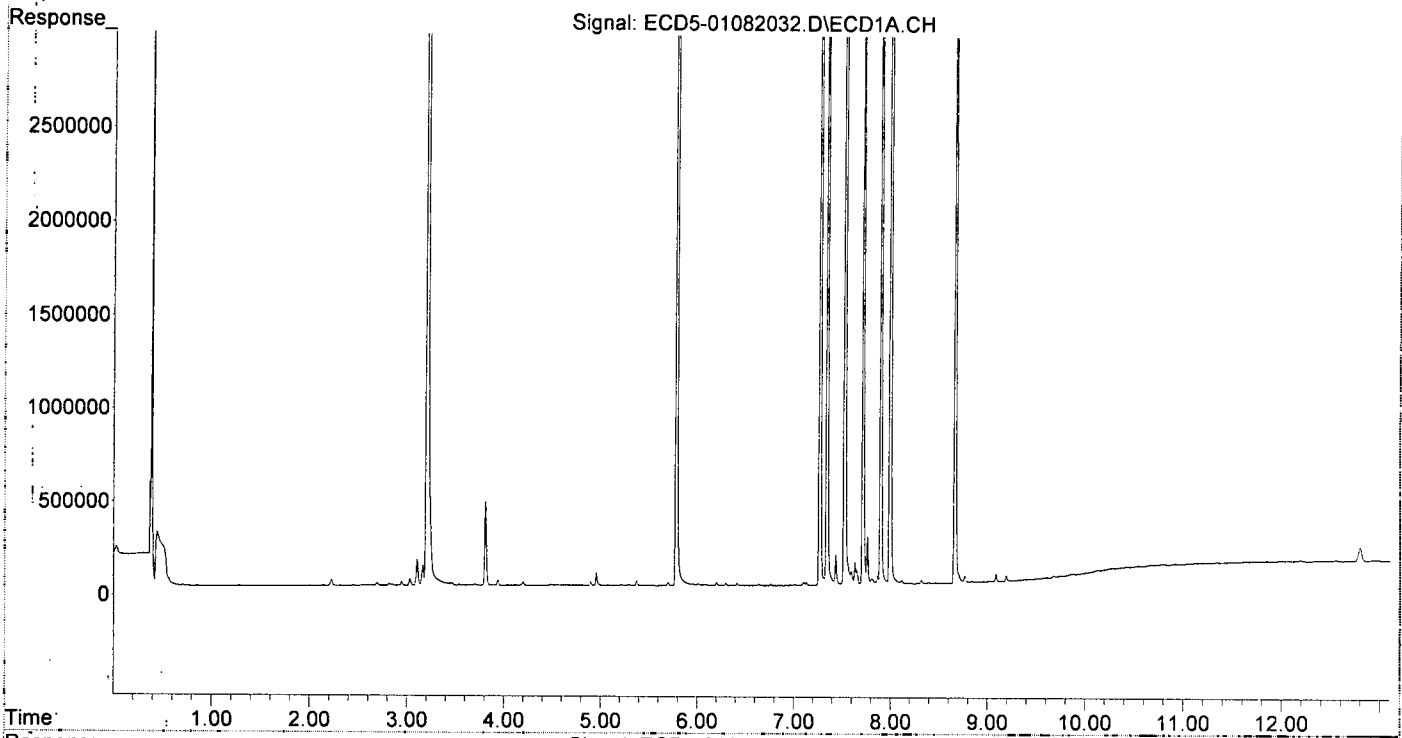
MJB
1/9/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds								
1)	S TCMX (S)	5.376f	6.123	25167	13037	0.129	0.044	#
22)	S DCBP (S)	9.607	0.000	7014	0	8131.938	N.D.	#
Target Compounds								
2)	a-BHC	5.947	0.000	7607	0	0.029	N.D.	#
3)	g-BHC	6.203f	0.000	15439	0	0.066	N.D.	#
4)	b-BHC	6.298	0.000	13249	0	5931.867	N.D.	#
5)	Heptachlor	6.639	7.433	8749	13294	0.039	0.038	
6)	d-BHC	6.416f	0.000	12607	0	0.058	N.D.	#
7)	Aldrin	0.000	7.703	0	18523	N.D.	0.056	#
8)	Heptachlo...	7.342	8.116f	6694017	32673	32.471	0.106	#
9)	trans-Chl...	7.436	8.269	158249	10510336	0.751	33.705	#
10)	cis-Chlor...	7.525	8.390	10195026	501217	49.822	1.690	#
11)	Endosulfa...	7.635	8.461	120882	21669	0.624	0.078	#
12)	4,4'-DDE	7.596	8.461f	71466	21669	0.347	0.108	#
13)	Dieldrin	7.809	8.643	30332	9201062	0.141	29.784	#
14)	Endrin	7.996f	8.870	10954602	10194467	63.315	43.387	
15)	4,4'-DDD	7.996f	8.914	10954602	16802825	63.448	68.358	
16)	Endosulfa...	8.117	8.997f	19840	27498	0.116	0.113	
17)	4,4'-DDT	8.214	9.135	5452	6193	0.033	0.116	#
18)	Endrin Al...	8.394f	9.262	5487	5803	0.036	0.026	
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...	8.910	9.850	1754	9090504	0.009	36.299	#
23)	Hexachlor...	3.207	3.815	10072232	21112946	50.501	52.687	
24)	Hexachlor...	5.785	6.596	9669445	15917355	50.014	49.726	
25)	Oxychlorane	7.269	8.070	8984587	14293373	51.023	51.104	
26)	2,4'-DDE	7.342	8.269	6694017	10510336	46.945	49.909	
27)	trans-Non...	7.525	8.345	10195026	15779786	51.040	51.318	
28)	2,4'-DDD	7.715	8.643	6105769	9201062	47.989	49.887	
29)	2,4'-DDT	7.899	8.870	6895039	10194467	47.073	50.569	
30)	cis-Nonac...	7.996	8.914	10954602	16802825	46.478	49.255	
31)	Mirex	8.665	9.850	6553927	9090504	48.699	49.703	
32)	Chlordane...	7.436	8.269	158249	10510336	6.745	270.210	#
33)	Chlordane...	7.525	8.390	10195026	501217	353.739	15.615	#
34)	Chlordane...	8.117f	9.052	19840	33600	2.608	3.165	
35)	Chlordane...	3.810	3.815	447351	21112946	NoCal	NoCal	
36)	Toxaphene...	7.525	8.643f	10195026	9201062	9679.846	3402.373	#
37)	Toxaphene...	7.809	8.997f	30332	27498	15.598	7.896	#
38)	Toxaphene...	8.117	8.997	19840	27498	0.587	1.413	#
39)	Toxaphene...	8.394f	9.052f	5487	33600	1.358	3.723	#
40)	Toxaphene...	0.000	9.262	0	5803	N.D.	1.156	#
41)	Toxaphene...	8.665	0.000	6553927	0	1509.301	N.D.	#
42)	Toxaphene...	3.810	3.815	447351	21112946	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 20:50
Operator : MJB
Sample : 0A08041-ICV2
Misc : A19J410, 9-42 50 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: Jan 09 14:17:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082040.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 23:07
 Operator : MJB
 Sample : 0A08041-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: Jan 09 14:17:42 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Clean

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.431f	0.000	5524	0	0.028	N.D.	#
22) S DCBP (S)	9.607	10.744	12785	3537	8131.900	0.020	#
Target Compounds							
2) a-BHC	5.942	0.000	4990	0	0.019	N.D.	#
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4) b-BHC	6.291	0.000	22514	0	0.062	N.D.	#
5) Heptachlor	6.674f	0.000	3691	0	0.016	N.D.	#
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7) Aldrin	6.882	0.000	9215	0	0.042	N.D.	#
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9) trans-Chl...	7.435	8.283	9061	14462	0.043	0.046	
10) cis-Chlor...	7.522	8.388	11351	5119	0.055	0.017	#
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	7.789	0.000	2902	0	0.013	N.D.	#
14) Endrin	7.964	0.000	5653	0	0.033	N.D.	#
15) 4,4'-DDD	7.992f	0.000	4934	0	0.029	N.D.	#
16) Endosulfa...	8.112	8.996f	18004	25076	0.106	0.103	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.413	9.257	8551	5515	0.056	0.025	#
19) Endosulfa...	8.717	9.448	3254	3683	0.020	0.017	
20) Methoxychlor	8.584f	9.583f	646	2988	0.007	0.025	#
21) Endrin Ke...	8.910	9.852	2279	5952	0.012	0.024	#
23) Hexachlor...	3.225f	3.812	11744	7072	0.059	0.018	#
24) Hexachlor...	5.778	6.606	6979	18274	BelowCal	0.057	
25) Oxychlorthane	7.263	0.000	20092	0	BelowCal	N.D.	
26) 2,4'-DDE	0.000	8.283	0	14462	N.D.	0.069	#
27) trans-Non...	7.522	0.000	11351	0	BelowCal	N.D.	
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29) 2,4'-DDT	7.932f	0.000	6317	0	0.043	N.D.	#
30) cis-Nonac...	7.992	0.000	4934	0	0.021	N.D.	#
31) Mirex	0.000	9.852	0	5952	N.D.	BelowCal	
32) Chlordane...	7.435	8.283	9061	14462	0.386	0.372	
33) Chlordane...	7.522	8.388	11351	5119	0.394	0.159	#
34) Chlordane...	8.112f	9.053	18004	30330	2.367	2.857	
35) Chlordane...	3.810	3.812	578025	7072	NoCal	NoCal	
36) Toxaphene...	7.522	0.000	11351	0	10.777	N.D.	#
37) Toxaphene...	7.789	8.996f	2902	25076	1.493	7.201	#
38) Toxaphene...	8.112	8.996	18004	25076	0.148	0.939	#
39) Toxaphene...	8.320f	9.053	16287	30330	4.031	3.360	
40) Toxaphene...	8.584	9.257	646	5515	0.197	1.098	#
41) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42) Toxaphene...	3.810	3.812	578025	7072	NoCal	NoCal	

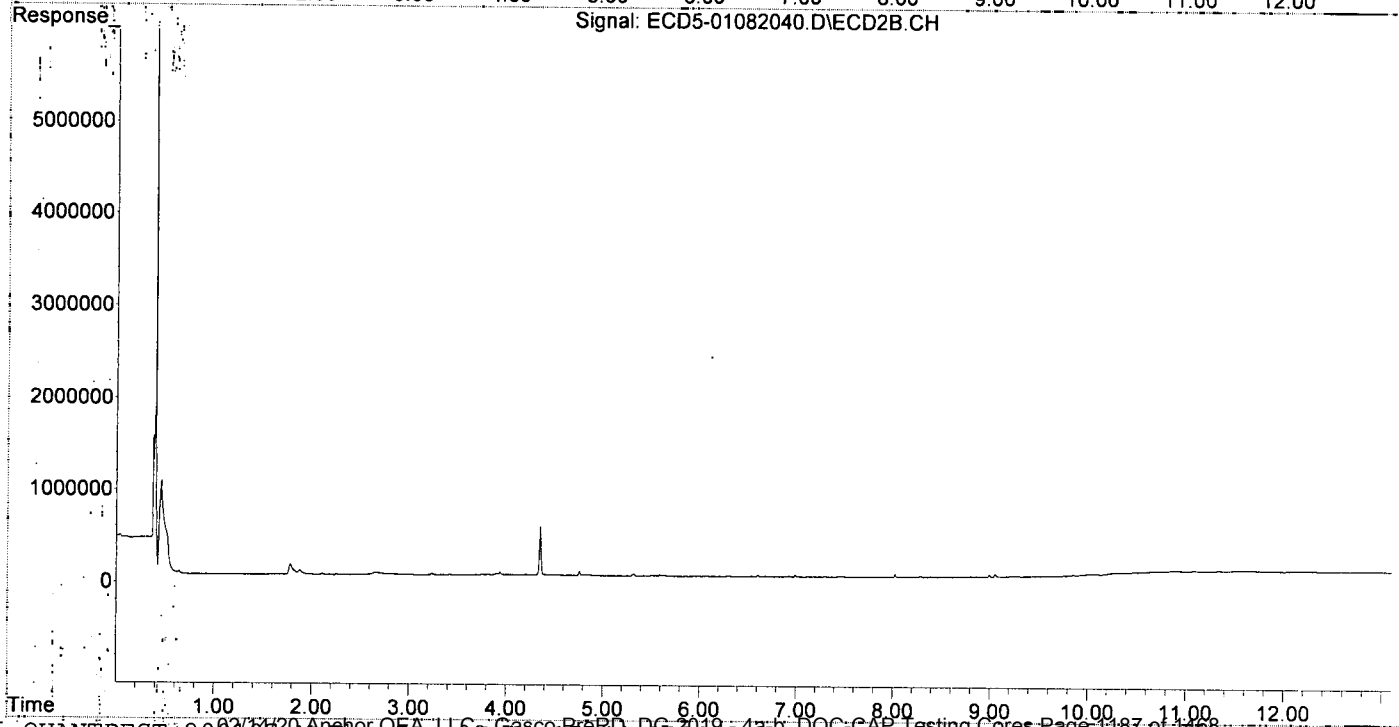
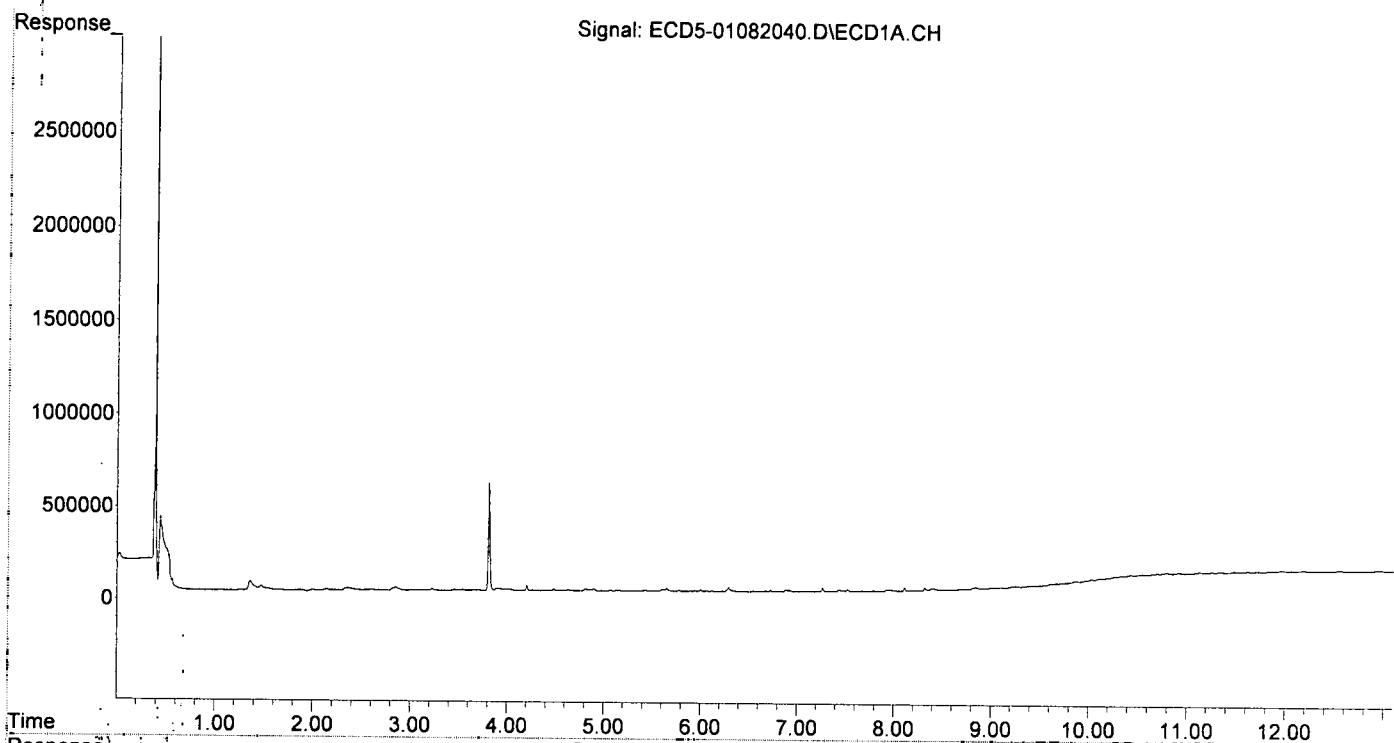
MJB 1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:07
Operator : MJB
Sample : 0A08041-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: Jan 09 14:17:42 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082041.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 23:24
 Operator : MJB
 Sample : 0A08041-ICV3
 Misc : A19K312, CHLOR 500 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: Jan 09 14:17:48 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	6.124	0	10486	N.D.	0.035 #
22)	S DCBP (S)	9.616	10.754	25442	5308	0.015	0.030 #
Target Compounds							
2)	a-BHC	5.911f	6.761f	10062	353809	0.038	0.857 #
3)	g-BHC	6.246	7.064	11488	181584	0.049	0.497 #
4)	b-BHC	6.328f	7.100	144854	86205	1.310	0.536 #
5)	Heptachlor	6.637	7.433	5422846	8713879	23.864	24.582
6)	d-BHC	6.418f	7.363	410659	59133	1.885	0.234 #
7)	Aldrin	6.883	7.702	77062	103060	0.349	0.309
8)	Heptachlo...	7.348	8.159	869763	466536	4.219	1.515 #
9)	trans-Chl...	7.436	8.281	11710233	19966791	55.573	64.031
10)	cis-Chlor...	7.530	8.389	13828969	16278342	67.581	54.874
11)	Endosulfa...	7.649	8.465f	311472	310110	1.607	1.116
12)	4,4'-DDE	7.588	8.484	345577	441449	1.676	1.548
13)	Dieldrin	7.817	8.644	386347	1634017	1.794	5.289 #
14)	Endrin	7.995f	8.852f	2016713	790482	11.656	3.364 #
15)	4,4'-DDD	7.995f	8.914	2016713	2906392	11.681	11.824
16)	Endosulfa...	8.129	9.029	244476	322376	1.433	1.320
17)	4,4'-DDT	8.254f	9.149	694660	97300	4.193	0.536 #
18)	Endrin Al...	8.440f	9.228f	80944	93879	0.529	0.420
19)	Endosulfa...	8.722	9.433	153288	13800	0.958	0.062 #
20)	Methoxychlor	8.565	9.621	79652	16072	0.920	0.135 #
21)	Endrin Ke...	8.905	9.854	22990	166987	0.120	0.667 #
23)	Hexachlor...	3.226f	0.000	8040	0	0.040	N.D. #
24)	Hexachlor...	5.775	6.607	7557	13836	BelowCal	0.043
25)	Oxychlorthane	7.263	8.082	124974	261108	0.513	0.934 #
26)	2,4'-DDE	7.348	8.281	869763	19966791	6.100	94.813 #
27)	trans-Non...	7.530	8.345	13828969	14871810	69.177	48.365
28)	2,4'-DDD	7.685f	8.644	928281	1634017	7.296	8.859
29)	2,4'-DDT	7.924f	8.852	325252	790482	2.221	4.162 #
30)	cis-Nonac...	7.995	8.914	2016713	2906392	8.556	8.520
31)	Mirex	8.656	9.854	30302	166987	6722.823	0.697 # A
32)	Chlordane...	7.436	8.281	11710233	19966791	499.123	513.325 #
33)	Chlordane...	7.530	8.389	13828969	16278342	479.827	507.146 #
34)	Chlordane...	8.079	9.057	3785041	5213363	497.535	491.005 #
35)	Chlordane...	3.810	0.000	427334	0	NoCal	N.D.
36)	Toxaphene...	7.530	8.644f	13828969	1634017	13130.157	604.228 #
37)	Toxaphene...	7.817	8.969	386347	486622	198.670	139.731
38)	Toxaphene...	8.129	9.009	244476	403845	54.307	74.518
39)	Toxaphene...	8.359	9.057	160843	5213363	39.812	577.615 #
40)	Toxaphene...	8.565f	9.228f	79652	93879	24.227	18.694
41)	Toxaphene...	8.656	9.621	30302	16072	6.978	2.863 #
42)	Toxaphene...	3.810	0.000	427334	0	NoCal	N.D.

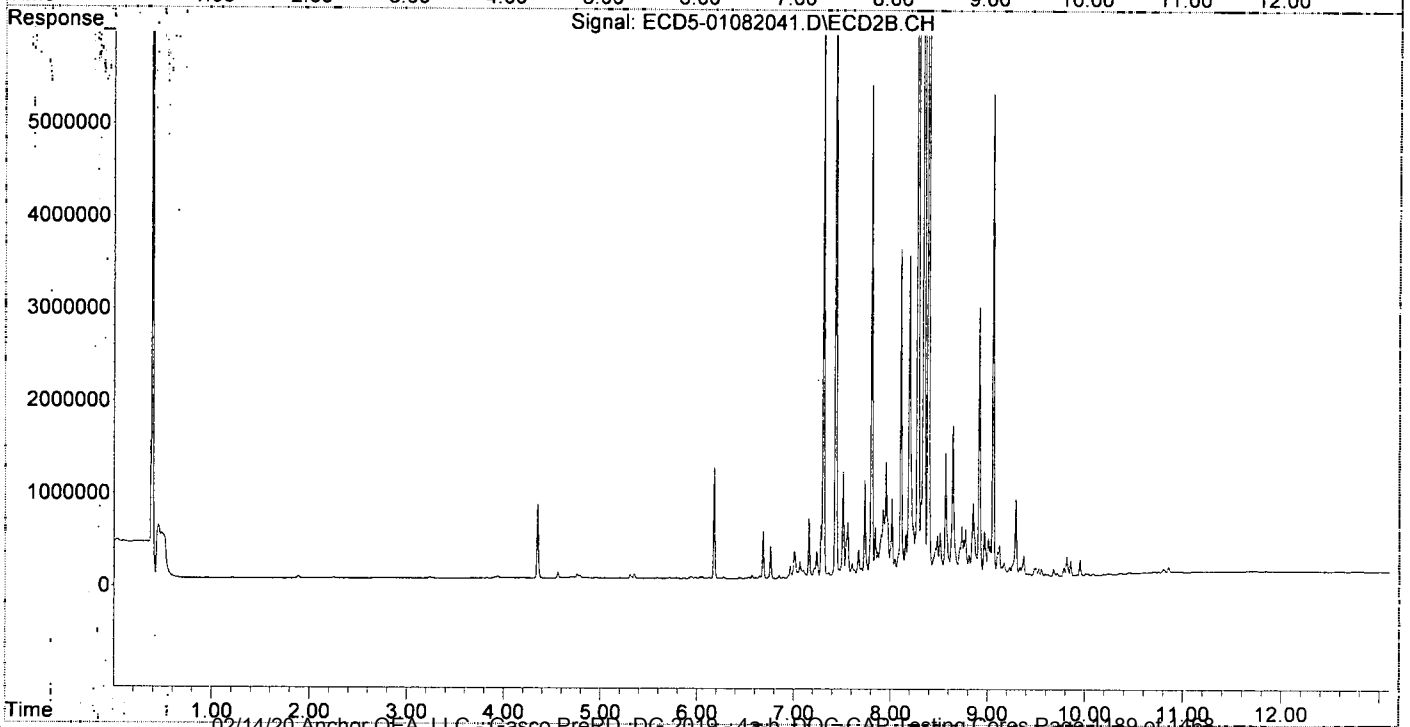
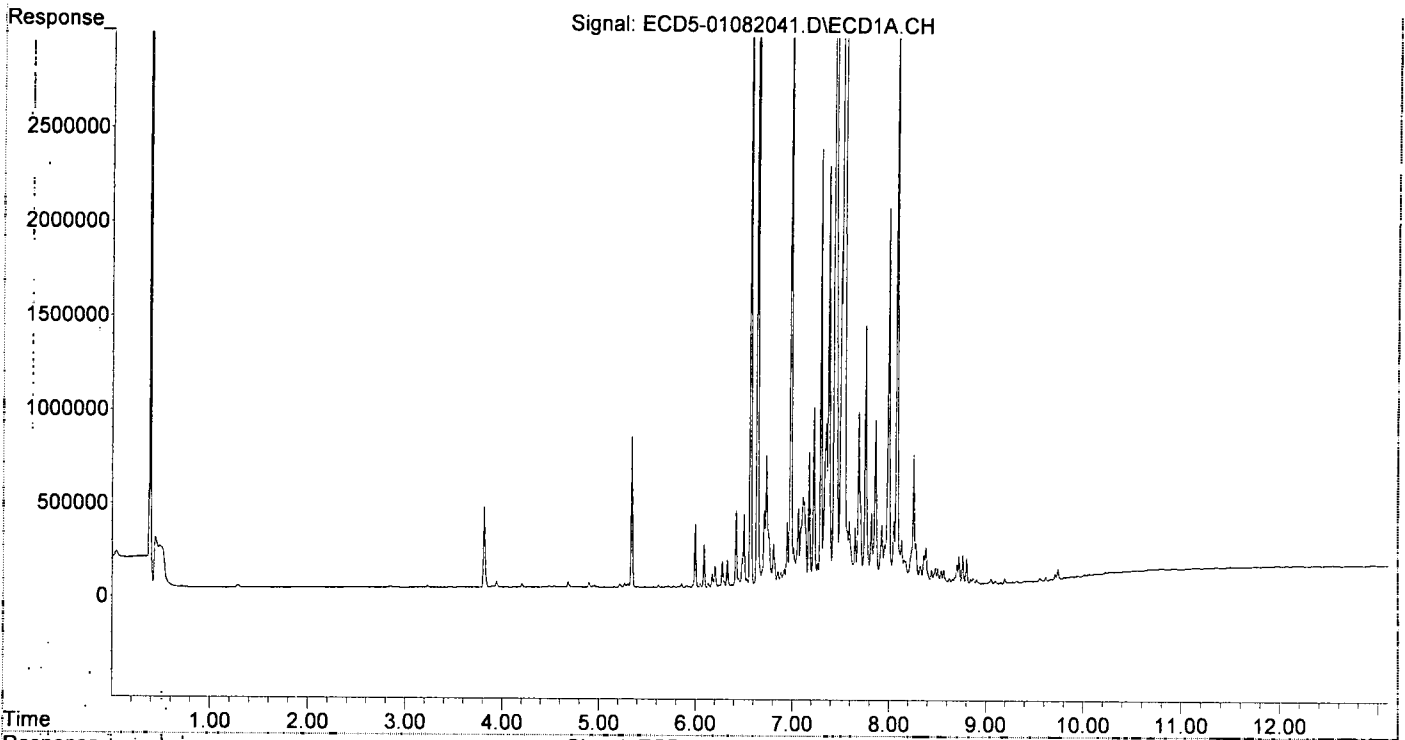
492.16
503.83

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:24
Operator : MJB
Sample : 0A08041-ICV3
Misc : A19K312, CHLOR 500 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: Jan 09 14:17:48 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082049.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 1:41
 Operator : MJB
 Sample : 0A08041-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: Jan 09 14:17:54 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Clean

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.428f	0.000	5811	0	0.030	N.D.	#
22) S DCBP (S)	9.605	10.714f	12113	18262	8131.904	0.103	#
Target Compounds							
2) a-BHC	5.942	0.000	4960	0	0.019	N.D.	#
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4) b-BHC	6.291	0.000	21552	0	0.052	N.D.	#
5) Heptachlor	6.674f	0.000	3448	0	0.015	N.D.	#
6) d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7) Aldrin	6.881	0.000	8894	0	0.040	N.D.	#
8) Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9) trans-Chl...	7.431	8.283	7434	12435	0.035	0.040	
10) cis-Chlor...	7.521	8.389	9040	3275	0.044	0.011	#
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	7.782f	0.000	2818	0	0.013	N.D.	#
14) Endrin	7.996f	0.000	2334	0	0.013	N.D.	#
15) 4,4'-DDD	7.996f	0.000	2334	0	0.014	N.D.	#
16) Endosulfa...	8.111	8.996f	16671	24032	0.098	0.098	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.412	9.256	7986	5162	0.052	0.023	#
19) Endosulfa...	8.717	9.448	2975	3747	0.019	0.017	
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.910	0.000	2156	0	0.011	N.D.	#
23) Hexachlor...	3.225f	3.814	10276	7117	0.052	0.018	#
24) Hexachlor...	5.777	6.606	6345	17600	BelowCal	0.055	
25) Oxychlorane	7.263	0.000	19737	0	BelowCal	N.D.	
26) 2,4'-DDE	0.000	8.283	0	12435	N.D.	0.059	#
27) trans-Non...	7.521	0.000	9040	0	BelowCal	N.D.	
28) 2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29) 2,4'-DDT	7.925f	0.000	5911	0	0.040	N.D.	#
30) cis-Nonac...	7.996	0.000	2334	0	0.010	N.D.	#
31) Mirex	8.687f	0.000	2088	0	6723.032	N.D.	#
32) Chlordane...	7.431	8.283	7434	12435	0.317	0.320	
33) Chlordane...	7.521	8.389	9040	3275	0.314	0.102	#
34) Chlordane...	8.111f	9.053	16671	29371	2.191	2.766	
35) Chlordane...	3.810	3.814	541313	7117	NoCal	NoCal	
36) Toxaphene...	7.521	0.000	9040	0	8.583	N.D.	#
37) Toxaphene...	7.782f	8.996f	2818	24032	1.449	6.901	#
38) Toxaphene...	8.111	8.996	16671	24032	BelowCal	0.735	
39) Toxaphene...	8.321f	9.053	15505	29371	3.838	3.254	
40) Toxaphene...	8.600	9.256	641	5162	0.195	1.028	#
41) Toxaphene...	8.687f	0.000	2088	0	0.481	N.D.	#
42) Toxaphene...	3.810	3.814	541313	7117	NoCal	NoCal	

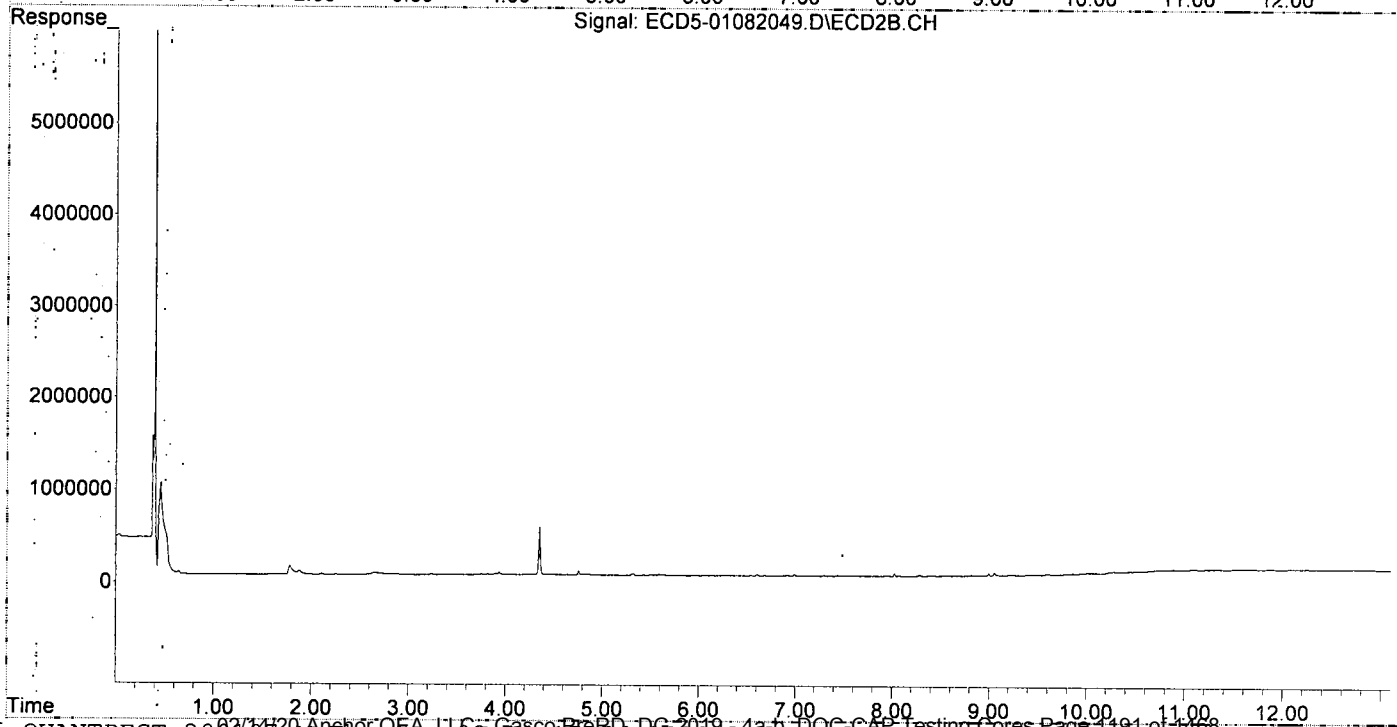
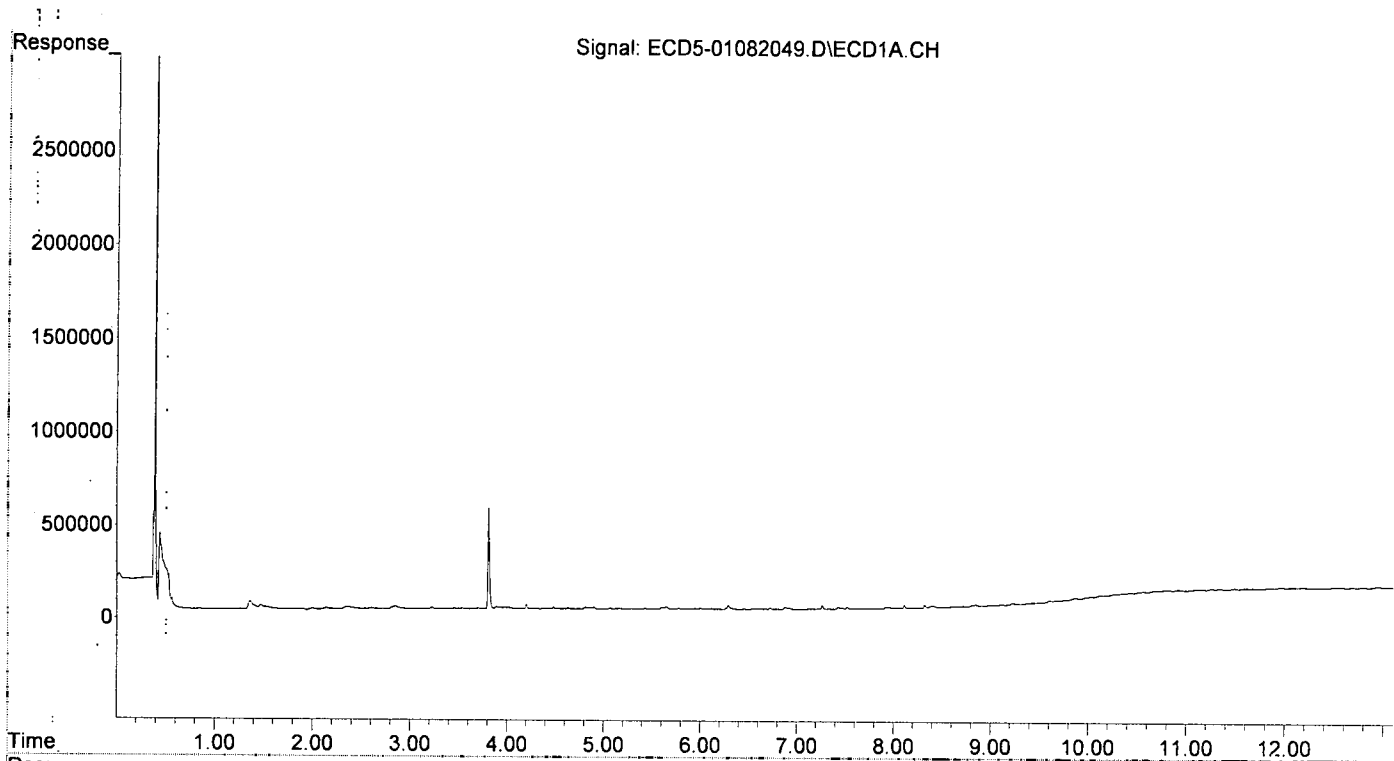
MJB 1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082049.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 1:41
Operator : MJB
Sample : 0A08041-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: Jan 09 14:17:54 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082050.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 1:58
 Operator : MJB
 Sample : 0A08041-ICV4
 Misc : A19J422, TOX 500 ppb
 ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 14:18:00 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualeCD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.123	0	14573	N.D.	0.049 #
22) S DCBP (S)	9.605	10.721f	49070	60766	0.172	0.341 #
Target Compounds						
2) a-BHC	5.943	6.732	6515	5978	0.025	0.014 #
3) g-BHC	6.234	7.045	3820	12245	0.016	0.034 #
4) b-BHC	6.297	7.107	17235	21055	0.008	0.131 #
5) Heptachlor	6.638	7.434	17073	31564	0.075	0.089
6) d-BHC	6.438	7.372	6031	22887	0.028	0.126 #
7) Aldrin	6.878	7.726f	46144	94160	0.209	0.283
8) Heptachlo...	7.343	8.133	163855	419169	0.795	1.361 #
9) trans-Chl...	7.452	8.261f	359933	506635	1.708	1.625
10) cis-Chlor...	7.559f	8.411	415717	519448	2.032	1.751
11) Endosulfa...	7.638	8.445	614135	645485	3.169	2.323
12) 4,4'-DDE	7.559f	8.476	415717	697378	2.016	2.424
13) Dieldrin	7.804	8.658	932463	837259	4.329	2.710
14) Endrin	7.992f	8.864	1373686	1768789	7.940	7.528
15) 4,4'-DDD	8.032	8.918	900218	1084974	5.214	4.414
16) Endosulfa...	8.116	9.005	2143737	2837077	12.565	11.613
17) 4,4'-DDT	8.196	9.136	1824191	1185349	11.012	5.499 #
18) Endrin Al...	8.404	9.249	1497962	2571198	9.783	11.499
19) Endosulfa...	8.722	9.452	854118	1178730	5.337	5.318
20) Methoxychlor	8.556	9.633	743091	2921504	8.580	24.625 #
21) Endrin Ke...	8.906	9.874	591269	605739	3.096	2.419
23) Hexachlor...	3.226f	3.814	9723	5338	0.049	0.013 #
24) Hexachlor...	0.000	6.608	0	12009	N.D.	0.038 #
25) Oxychlorane	7.272	8.083	399221	368934	2.086	1.319
26) 2,4'-DDE	7.343	8.261	163855	506635	1.149	2.406 #
27) trans-Non...	7.510	8.355	505624	530485	2.393	1.725
28) 2,4'-DDD	7.722	8.658	716890	837259	5.634	4.539
29) 2,4'-DDT	7.907	8.864	1160341	1768789	7.922	9.351
30) cis-Nonac...	7.992	8.918	1373686	1084974	5.828	3.180 #
31) Mirex	8.652	9.874f	2183505	605739	15.981	3.230 #
32) Chlordane...	7.452	8.261f	359933	506635	15.341	13.025
33) Chlordane...	7.510f	8.411f	505624	519448	17.544	16.183
34) Chlordane...	8.056f	9.072	962547	4516827	126.525	425.404 #
35) Chlordane...	3.810	3.814	458190	5338	NoCal	NoCal
36) Toxaphene...	7.510	8.618	505624	1346656	480.074	497.967
37) Toxaphene...	7.804	8.967	932463	1754946	479.498	503.925
38) Toxaphene...	8.116	9.005	2143737	2837077	505.459	527.117
39) Toxaphene...	8.357	9.072	2022112	4516827	500.518	500.442
40) Toxaphene...	8.585	9.249	1632011	2571198	496.387	511.992
41) Toxaphene...	8.652	9.633	2183505	2921504	502.838	520.381
42) Toxaphene...	3.810	3.814	458190	5338	NoCal	NoCal

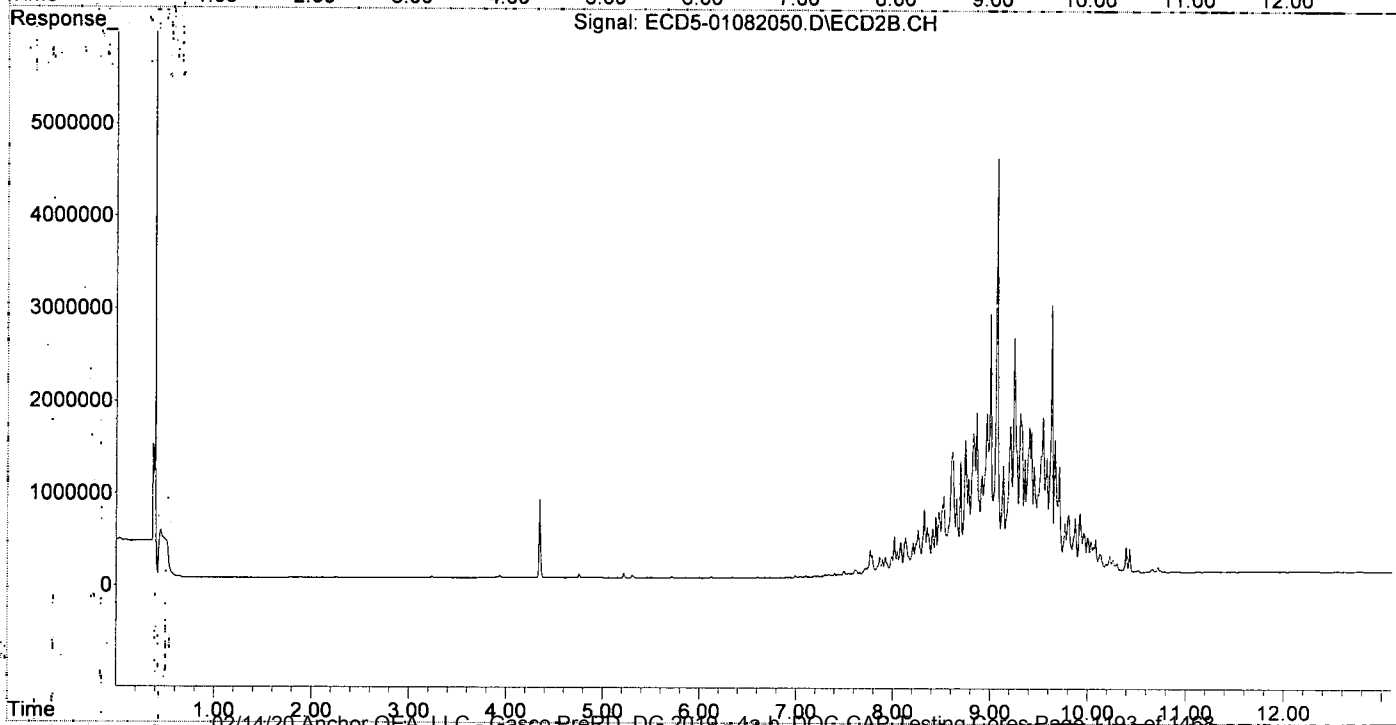
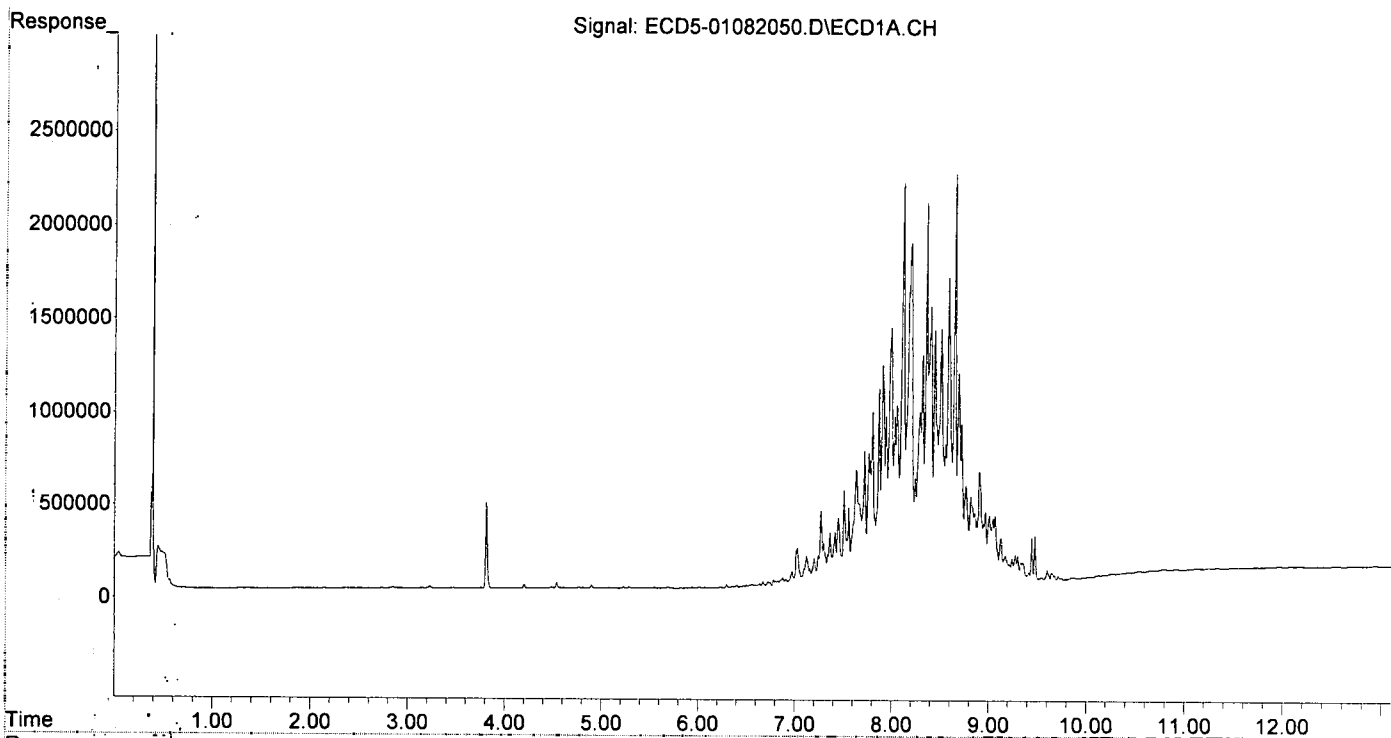
A B
494.13 510.30

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082050.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 1:58
Operator : MJB
Sample : 0A08041-ICV4
Misc : A19J422, TOX 500 ppb
ALS Vial : 43 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 14:18:00 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 14:50
 Operator : MJB
 Sample : QA08041-CAL1
 Misc : A20A094, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1
 Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 15:20:50 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

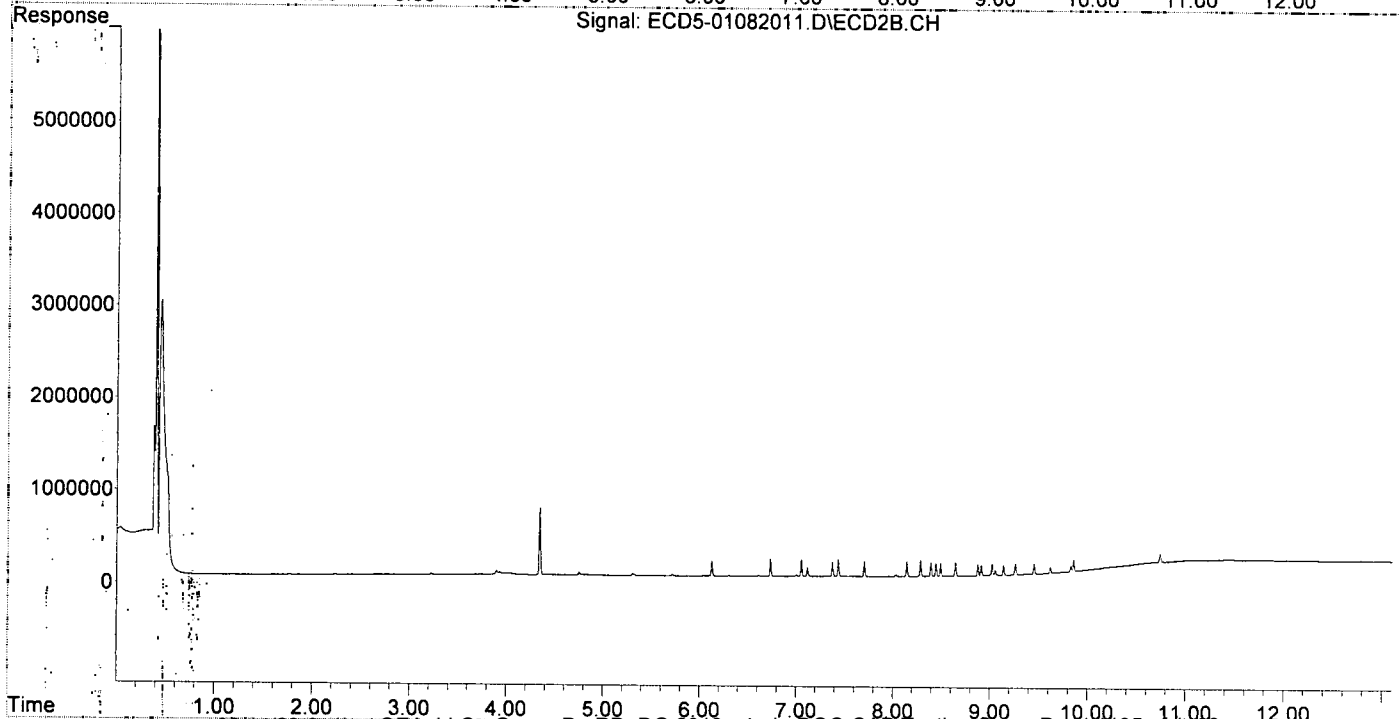
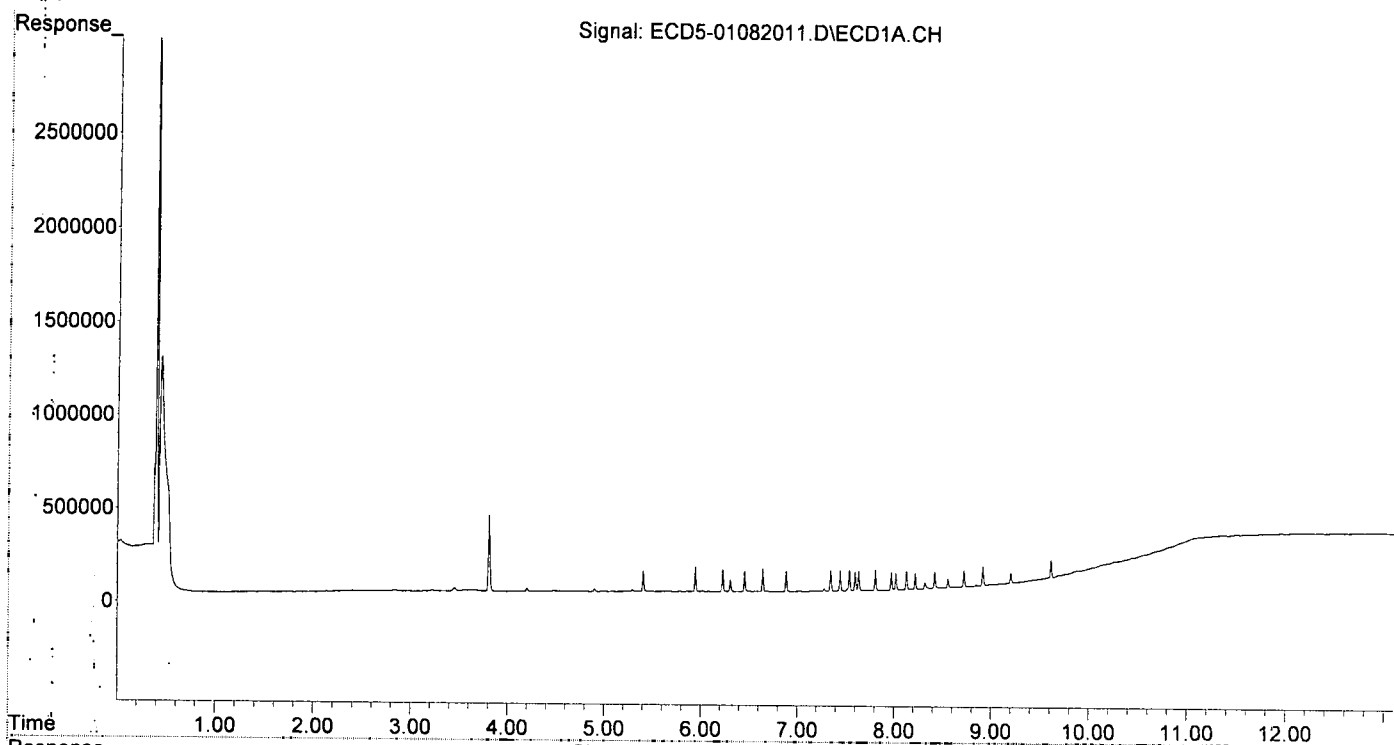
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.123	112863	158219	0.578	0.531
22) S DCBP (S)	9.611	10.741	96104	101208	0.487	0.569
Target Compounds						
2) a-BHC	5.942	6.731	133246	185876	0.506	0.450
3) g-BHC	6.225	7.051	120283	175442	0.515	0.481
4) b-BHC	6.302	7.113	65009	92509	0.496	0.575
5) Heptachlor	6.640	7.432	122190	183474	0.538	0.518
6) d-BHC	6.451	7.371	111153	153966	0.510	0.516
7) Aldrin	6.882	7.702	113031	161218	0.512	0.484
8) Heptachlo...	7.343	8.141	112198	158898	0.544	0.516
9) trans-Chl...	7.440	8.282	112737	169582	0.535	0.544
10) cis-Chlor...	7.537	8.390	112650	150400	0.551	0.507
11) Endosulfa...	7.633	8.442	104610	140878	0.540	0.507
12) 4,4'-DDE	7.596	8.489	102992	139141	0.500	0.511
13) Dieldrin	7.805	8.643	111857	147653	0.519	0.478
14) Endrin	7.970	8.873	93909	120788	0.543	0.514
15) 4,4'-DDD	8.017	8.907	86424	113285	0.501	0.461
16) Endosulfa...	8.126	9.020	99640	122597	0.584	0.502
17) 4,4'-DDT	8.216	9.137	84911	103096	0.513	0.512
18) Endrin Al...	8.417	9.257	87242	118008	0.570	0.528
19) Endosulfa...	8.719	9.449	88205	112283	0.551	0.507
20) Methoxychlor	8.553	9.615	48528	60619	0.560	0.510
21) Endrin Ke...	8.913	9.854	99629	120422	0.522	0.481
23) Hexachlor...	3.220	0.000	7715	0	0.039	N.D. #
24) Hexachlor...	0.000	6.611	0	7424	N.D.	0.023 #
25) Oxychlordane	7.276	8.029f	13119	20564	BelowCal	0.074
26) 2,4'-DDE	7.343	8.282	112198	169582	0.787	0.805
27) trans-Non...	7.537	0.000	112650	0	0.411	N.D. #
28) 2,4'-DDD	0.000	8.643	0	147653	N.D.	0.801 #
29) 2,4'-DDT	0.000	8.873	0	120788	N.D.	0.552 #
30) cis-Nonac...	8.017f	8.907	86424	113285	0.367	0.332
31) Mirex	0.000	9.854	0	120422	N.D.	0.428 #
32) Chlordane...	7.440	8.282	112737	169582	4.805	4.360
33) Chlordane...	7.537	8.390	112650	150400	3.909	4.686
34) Chlordane...	0.000	9.051	0	53055	N.D.	4.997 #
35) Chlordane...	3.806	0.000	407145	0	NoCal	N.D.
36) Toxaphene...	7.537f	8.643f	112650	147653	106.957	54.599 #
37) Toxaphene...	7.805	0.000	111857	0	57.520	N.D. #
38) Toxaphene...	8.126	9.020	99640	122597	19.679	19.971
39) Toxaphene...	0.000	9.051f	0	53055	N.D.	5.878 #
40) Toxaphene...	8.553f	9.257	48528	118008	14.760	23.498 #
41) Toxaphene...	0.000	9.615	0	60619	N.D.	10.797 #
42) Toxaphene...	3.806	0.000	407145	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:50
Operator : MJB
Sample : 0A08041-CAL1
Misc : A20A094, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 15:20:50 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082012.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 15:07
 Operator: MJB
 Sample: 0A08041-CAL2
 Misc: A20A095, AB 1 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: Jan 09 15:20:56 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

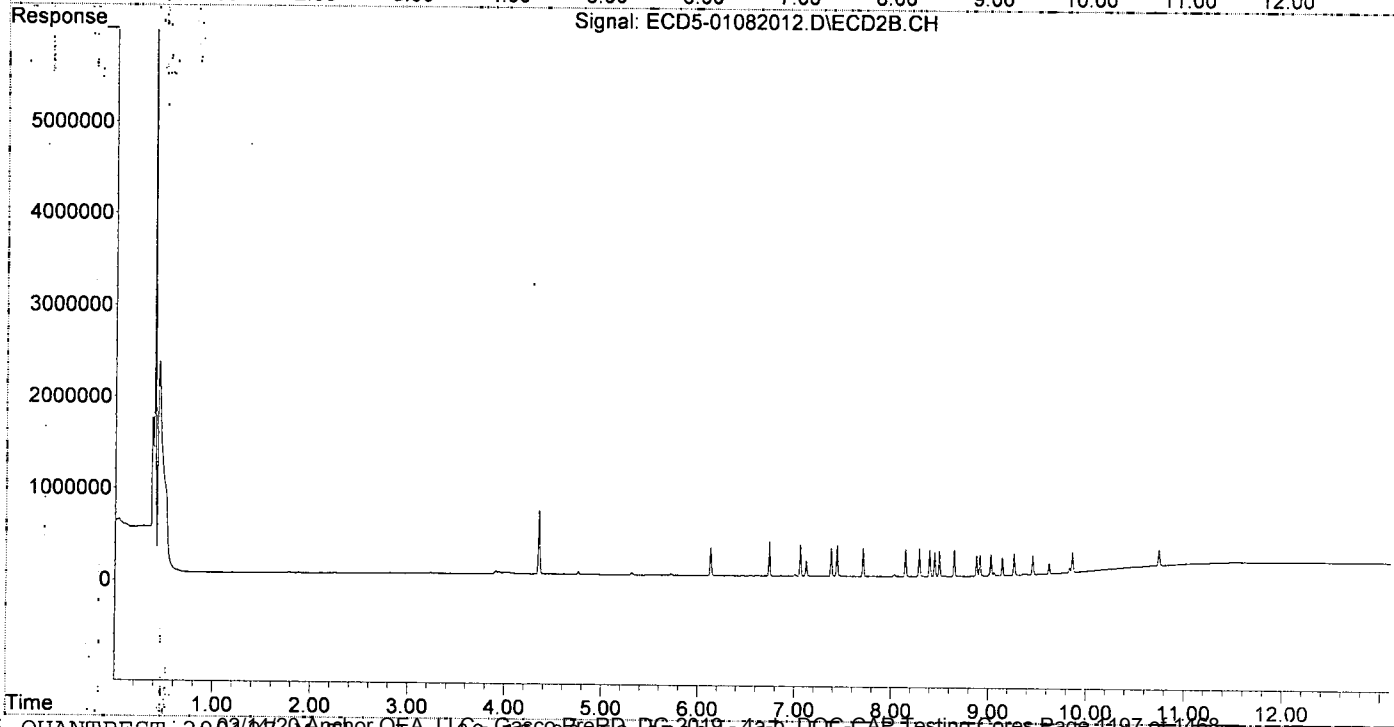
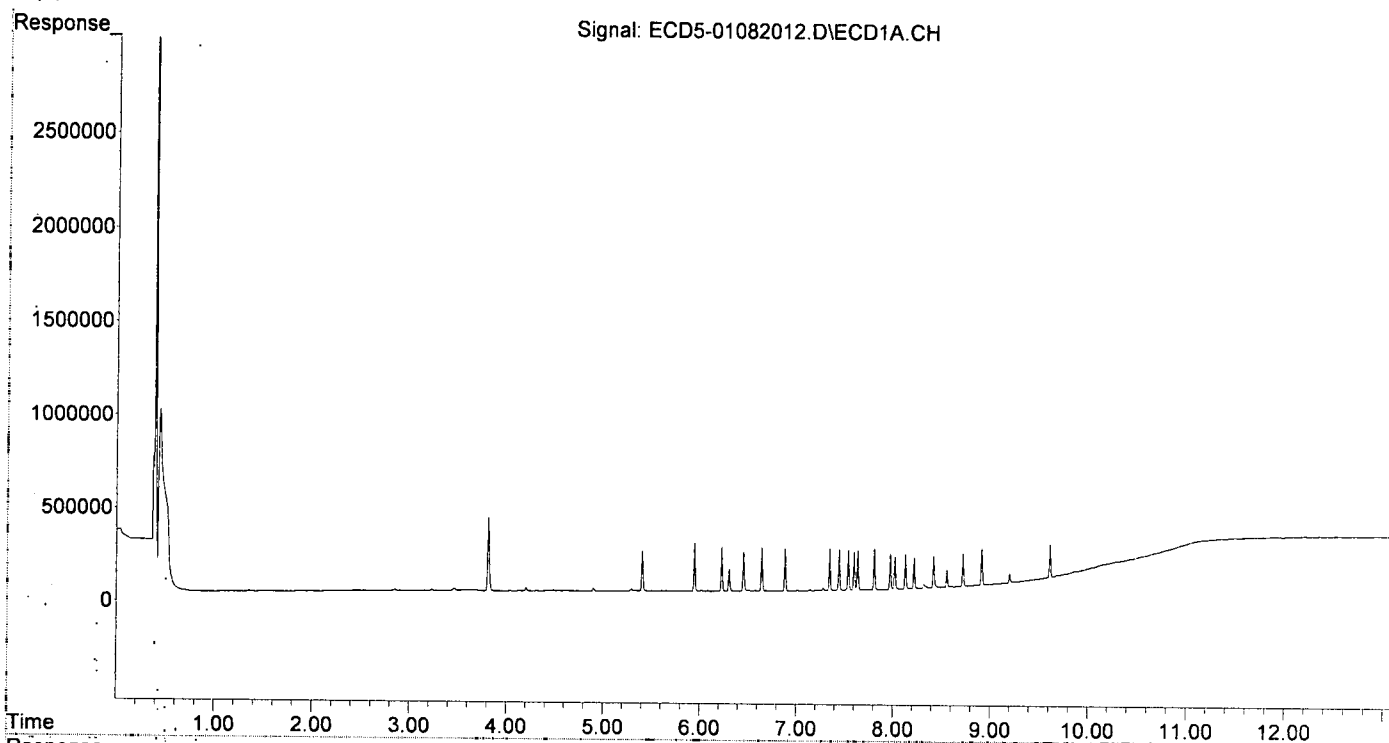
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.404	6.128	211254	311231	1.082	1.044
22)	S DCBP (S)	9.612	10.743	176609	194428	1.025	1.093
Target Compounds							
2)	a-BHC	5.944	6.735	256973	379209	0.976	0.918
3)	g-BHC	6.227	7.055	234366	343398	1.004	0.941
4)	b-BHC	6.304	7.117	114282	172988	0.998	1.075
5)	Heptachlor	6.642	7.436	233856	337319	1.029	0.952
6)	d-BHC	6.453	7.375	208419	310209	0.957	0.980
7)	Aldrin	6.883	7.705	224047	314514	1.015	0.944
8)	Heptachlo...	7.344	8.144	218282	296140	1.059	0.961
9)	trans-Chl...	7.441	8.285	218441	302694	1.037	0.971
10)	cis-Chlor...	7.538	8.393	212625	292944	1.039	0.988
11)	Endosulfa...	7.634	8.445	208482	271809	1.076	0.978
12)	4,4'-DDE	7.597	8.492	201598	277811	0.978	0.987
13)	Dieldrin	7.806	8.646	218083	291554	1.013	0.944
14)	Endrin	7.971	8.876	188900	230377	1.092	0.980
15)	4,4'-DDD	8.018	8.910	170626	228024	0.988	0.928
16)	Endosulfa...	8.128	9.023	182518	234291	1.070	0.959
17)	4,4'-DDT	8.217	9.139	163203	203174	0.985	0.980
18)	Endrin Al...	8.418	9.260	168637	234689	1.101	1.050
19)	Endosulfa...	8.720	9.451	168846	210935	1.055	0.952
20)	Methoxychlor	8.554	9.618	89885	117569	1.038	0.989
21)	Endrin Ke...	8.914	9.856	194086	227922	1.016	0.910
23)	Hexachlor...	3.226f	0.000	5940	0	0.030	N.D. #
24)	Hexachlor...	0.000	6.615f	0	8208	N.D.	0.026 #
25)	Oxychlorthane	7.277	8.032f	12988	20706	BelowCal	0.074
26)	2,4'-DDE	7.344	8.285	218282	302694	1.531	1.437
27)	trans-Non...	7.538	0.000	212625	0	0.916	N.D. #
28)	2,4'-DDD	0.000	8.646	0	291554	N.D.	1.581 #
29)	2,4'-DDT	0.000	8.876	0	230377	N.D.	1.146 #
30)	cis-Nonac...	8.018f	8.910	170626	228024	0.724	0.668
31)	Mirex	8.673	9.856	1174	227922	6723.039	1.050 #
32)	Chlordane...	7.441	8.285	218441	302694	9.311	7.782
33)	Chlordane...	7.538	8.393	212625	292944	7.377	9.127
34)	Chlordane...	0.000	9.054	0	34335	N.D.	3.234 #
35)	Chlordane...	3.811	0.000	395584	0	NoCal	N.D.
36)	Toxaphene...	7.538f	8.646f	212625	291554	201.880	107.811 #
37)	Toxaphene...	7.806	0.000	218083	0	112.144	N.D. #
38)	Toxaphene...	8.128	9.023	182518	234291	39.497	41.694
39)	Toxaphene...	8.319f	9.054	21265	34335	5.264	3.804
40)	Toxaphene...	8.599	9.260	2084	234689	0.634	46.733 #
41)	Toxaphene...	8.673	9.618	1174	117569	0.270	20.941 #
42)	Toxaphene...	3.811	0.000	395584	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 15:07
Operator : MJB
Sample : 0A08041-CAL2
Misc : A20A095, AB 1 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: Jan 09 15:20:56 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082013.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 15:24
 Operator: MJB
 Sample: 0A08041-CAL3
 Misc: A19K128, AB 2 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: Jan 09 15:21:03 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 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)	5.402	6.126	415516	589045	2.128	1.976
22) S DCBP (S)	9.609	10.743	340423	355105	2.121	1.996
Target Compounds						
2) a-BHC	5.942	6.734	537497	767270	2.042	1.858
3) g-BHC	6.225	7.053	471506	677169	2.019	1.855
4) b-BHC	6.301	7.115	220797	320899	2.085	1.995
5) Heptachlor	6.639	7.434	456995	655441	2.011	1.849
6) d-BHC	6.451	7.373	432587	603549	1.986	1.851
7) Aldrin	6.881	7.703	440039	629279	1.994	1.889
8) Heptachlo...	7.341	8.141	427014	586030	2.071	1.902
9) trans-Chl...	7.439	8.283	425200	579921	2.018	1.860
10) cis-Chlor...	7.535	8.390	422427	574813	2.064	1.938
11) Endosulfa...	7.632	8.443	400706	526399	2.068	1.894
12) 4,4'-DDE	7.594	8.491	411765	541435	1.997	1.891
13) Dieldrin	7.803	8.644	434619	580943	2.018	1.881
14) Endrin	7.968	8.873	366871	456874	2.120	1.944
15) 4,4'-DDD	8.016	8.908	350808	453406	2.032	1.845
16) Endosulfa...	8.125	9.020	347787	461782	2.038	1.890
17) 4,4'-DDT	8.215	9.137	319688	408673	1.930	1.937
18) Endrin Al...	8.415	9.257	322362	453653	2.105	2.029
19) Endosulfa...	8.718	9.448	330471	410957	2.065	1.854
20) Methoxychlor	8.552	9.616	177451	224516	2.049	1.888
21) Endrin Ke...	8.911	9.855	383553	459705	2.008	1.836
23) Hexachlor...	3.226f	0.000	7369	0	0.037	N.D. #
24) Hexachlor...	0.000	6.613	0	8334	N.D.	0.026 #
25) Oxychlordane	7.275	0.000	14570	0	BelowCal	N.D.
26) 2,4'-DDE	7.341	8.283	427014	579921	2.995	2.754
27) trans-Non...	7.535	0.000	422427	0	1.974	N.D. #
28) 2,4'-DDD	0.000	8.644	0	580943	N.D.	3.150 #
29) 2,4'-DDT	0.000	8.873	0	456874	N.D.	2.370 #
30) cis-Nonac...	8.016f	8.908	350808	453406	1.488	1.329
31) Mirex	8.668	9.855	1406	459705	6723.037	2.388 #
32) Chlordane...	7.439	8.283	425200	579921	18.123	14.909
33) Chlordane...	7.535	8.390	422427	574813	14.657	17.908
34) Chlordane...	0.000	9.051	0	37109	N.D.	3.495 #
35) Chlordane...	3.809	0.000	407584	0	NoCal	N.D.
36) Toxaphene...	7.535f	8.644f	422427	580943	401.080	214.822 #
37) Toxaphene...	7.803	0.000	434619	0	223.493	N.D. #
38) Toxaphene...	8.125	9.020	347787	461782	78.986	85.693
39) Toxaphene...	8.337f	9.051f	16425	37109	4.066	4.112
40) Toxaphene...	8.596	9.257	4382	453653	1.333	90.334 #
41) Toxaphene...	8.668	9.616	1406	224516	0.324	39.991 #
42) Toxaphene...	3.809	0.000	407584	0	NoCal	N.D.

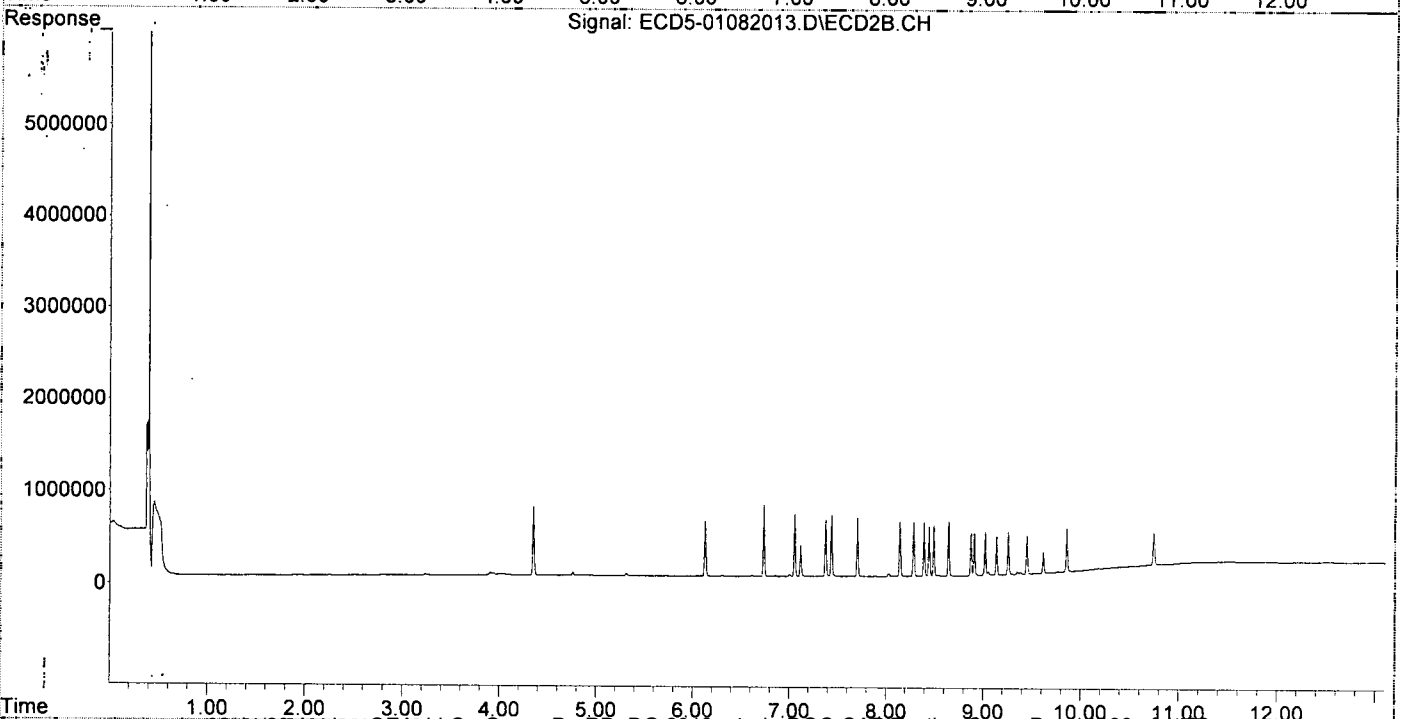
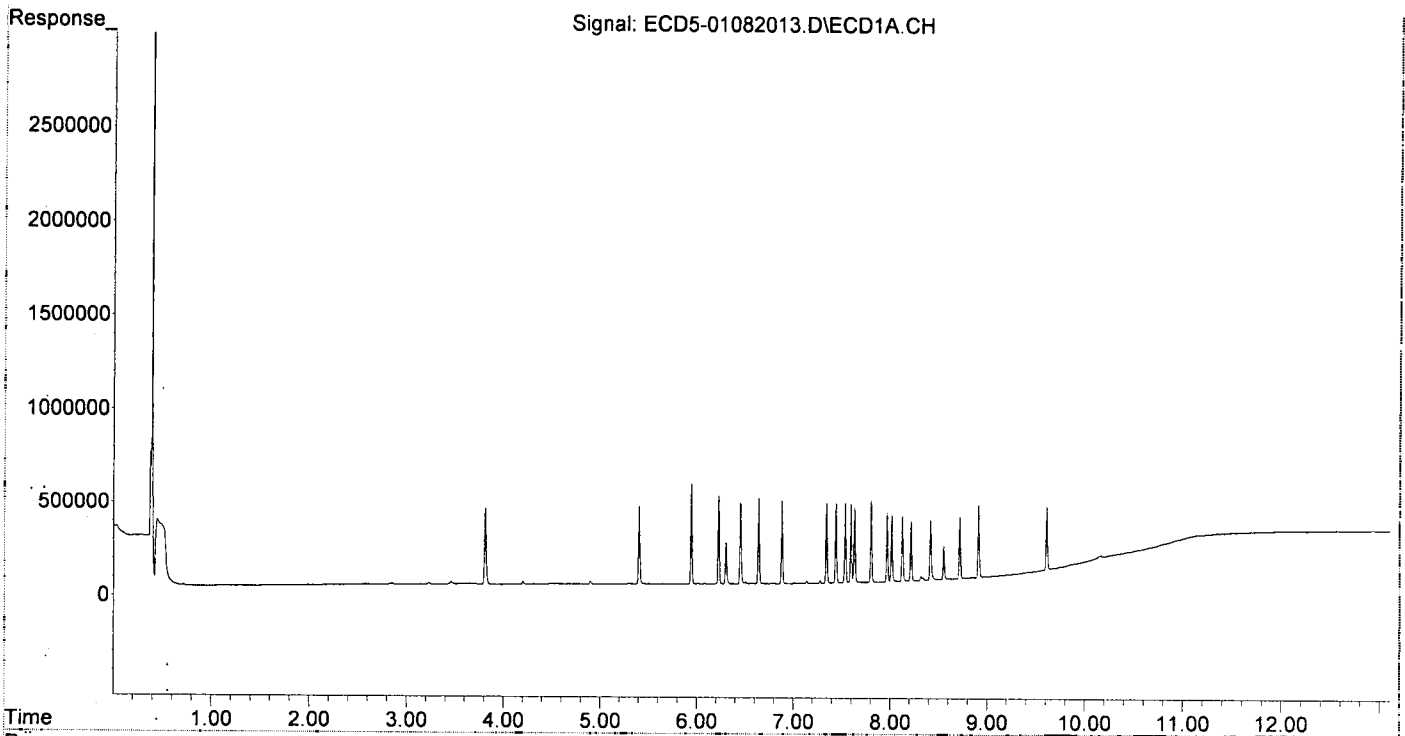
MJB
1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 15:24
Operator : MJB
Sample : 0A08041-CAL3
Misc : A19K128, AB 2 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: Jan 09 15:21:03 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:41
 Operator : MJB
 Sample : 0A08041-CAL4
 Misc : A19K130, AB 5 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: Jan 09 15:21:10 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

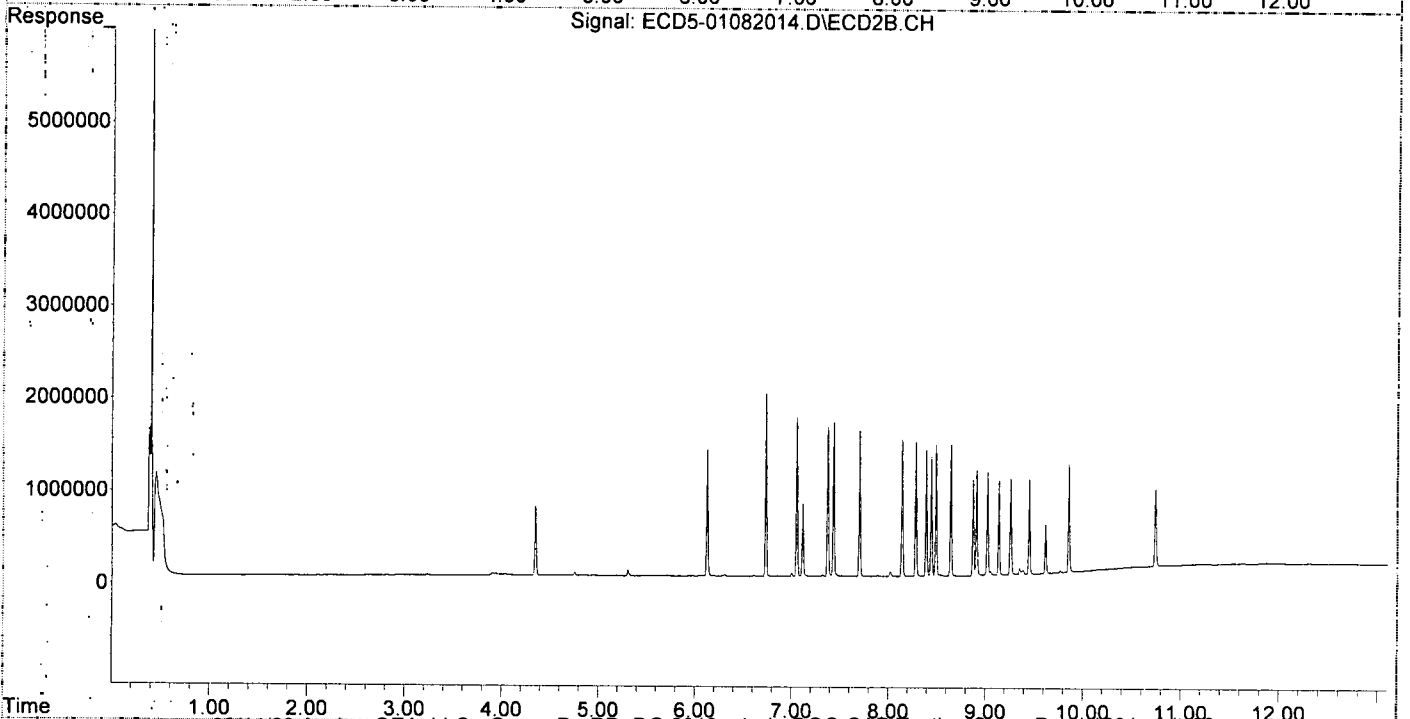
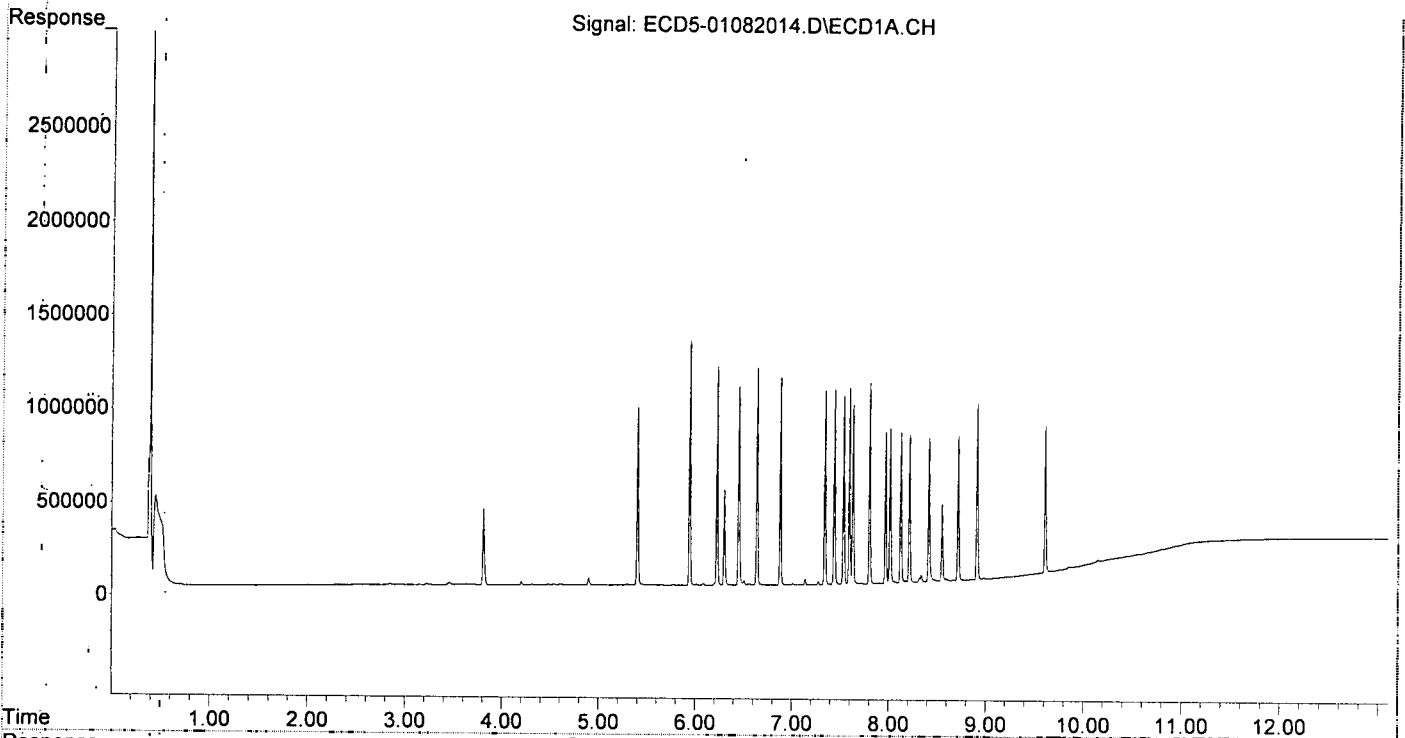
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.125	950074	1376103	4.866	4.617
22) S DCBP (S)	9.610	10.741	775613	834483	5.032	4.689
Target Compounds						
2) a-BHC	5.941	6.732	1306500	1977180	4.965	4.788
3) g-BHC	6.224	7.052	1166721	1723036	4.997	4.719
4) b-BHC	6.301	7.114	509830	782957	5.037	4.867
5) Heptachlor	6.638	7.433	1163113	1661120	5.119	4.686
6) d-BHC	6.450	7.372	1063446	1616218	4.882	4.842
7) Aldrin	6.880	7.702	1111711	1579995	5.039	4.744
8) Heptachlo...	7.341	8.141	1035468	1479273	5.023	4.802
9) trans-Chl...	7.439	8.282	1044033	1455802	4.955	4.669
10) cis-Chlor...	7.535	8.390	1008295	1373040	4.927	4.629
11) Endosulfa...	7.631	8.442	958781	1296862	4.947	4.667
12) 4,4'-DDE	7.594	8.490	1040350	1423065	5.046	4.897
13) Dieldrin	7.803	8.644	1070134	1422623	4.969	4.605
14) Endrin	7.968	8.874	807889	1044563	4.669	4.446
15) 4,4'-DDD	8.016	8.908	829598	1143673	4.805	4.653
16) Endosulfa...	8.125	9.020	804988	1119541	4.718	4.583
17) 4,4'-DDT	8.215	9.137	789969	1027268	4.769	4.800
18) Endrin Al...	8.415	9.258	766938	1047866	5.009	4.686
19) Endosulfa...	8.718	9.449	770166	1024703	4.812	4.623
20) Methoxychlor	8.552	9.615	413384	532720	4.773	4.479
21) Endrin Ke...	8.912	9.854	939876	1162953	4.922	4.644
23) Hexachlor...	3.225	0.000	7482	0	0.038	N.D. #
24) Hexachlor...	0.000	6.612	0	9346	N.D.	0.029 #
25) Oxychlorane	7.274	0.000	17244	0	BelowCal	N.D.
26) 2,4'-DDE	7.341	8.282	1035468	1455802	7.262	6.913
27) trans-Non...	7.535	8.346	1008295	5985	4.927	0.019 #
28) 2,4'-DDD	0.000	8.644	0	1422623	N.D.	7.713 #
29) 2,4'-DDT	7.902	8.874	4064	1044563	0.028	5.519 #
30) cis-Nonac...	8.016f	8.908	829598	1143673	3.520	3.353
31) Mirex	8.667	9.854	4555	1162953	6723.014	6.426 #
32) Chlordane...	7.439	8.282	1044033	1455802	44.500	37.427
33) Chlordane...	7.535	8.390	1008295	1373040	34.985	42.777
34) Chlordane...	0.000	9.051	0	41194	N.D.	3.880 #
35) Chlordane...	3.809	0.000	411330	0	NoCal	N.D.
36) Toxaphene...	7.535f	8.644f	1008295	1422623	957.343	526.058 #
37) Toxaphene...	7.803	0.000	1070134	0	550.293	N.D. #
38) Toxaphene...	8.125	9.020	804988	1119541	188.013	211.126
39) Toxaphene...	8.337f	9.051f	38293	41194	9.478	4.564 #
40) Toxaphene...	8.596	9.258	11272	1047866	3.429	208.657 #
41) Toxaphene...	8.667	9.615	4555	532720	1.049	94.888 #
42) Toxaphene...	3.809	0.000	411330	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 15:41
Operator : MJB
Sample : 0A08041-CAL4
Misc : A19K130, AB 5 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: Jan 09 15:21:10 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082015.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 15:58
 Operator: MJB
 Sample: 0A08041-CAL5
 Misc: A19K131, AB 10 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: Jan 09 15:21:16 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

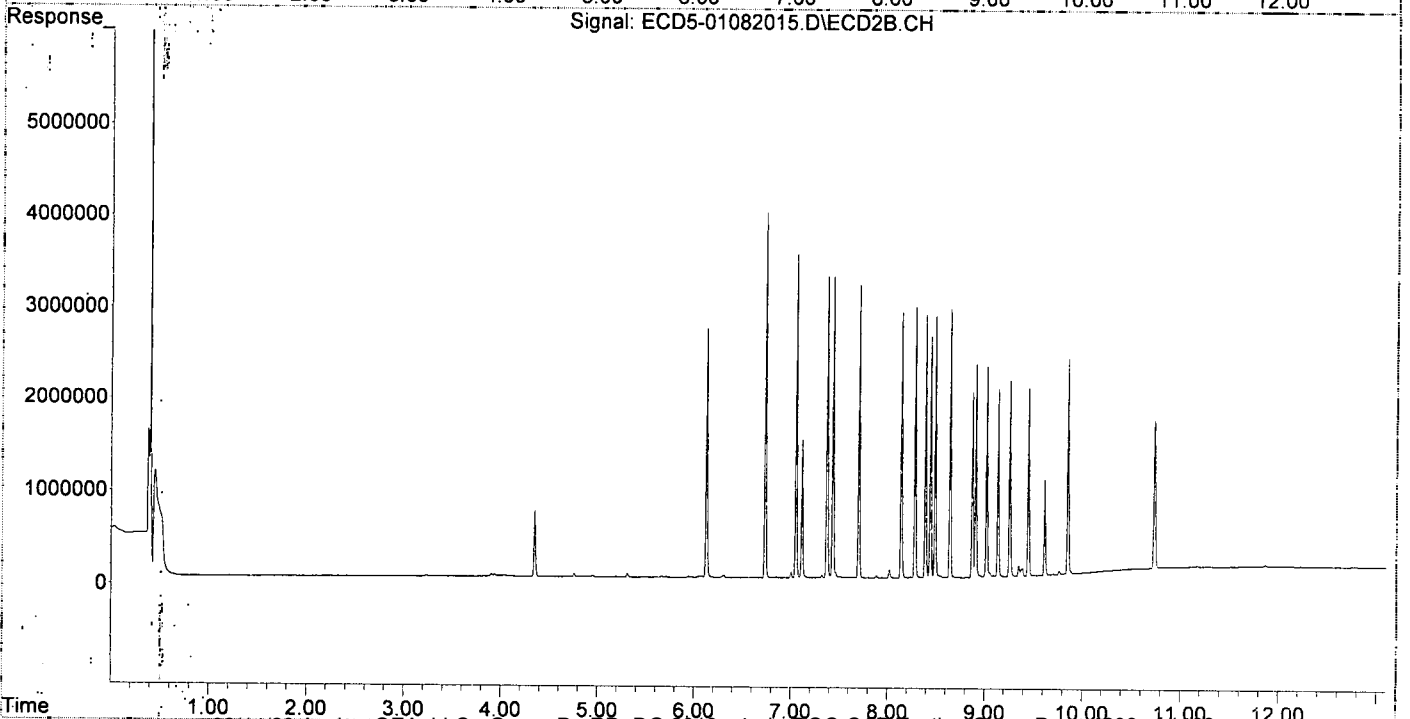
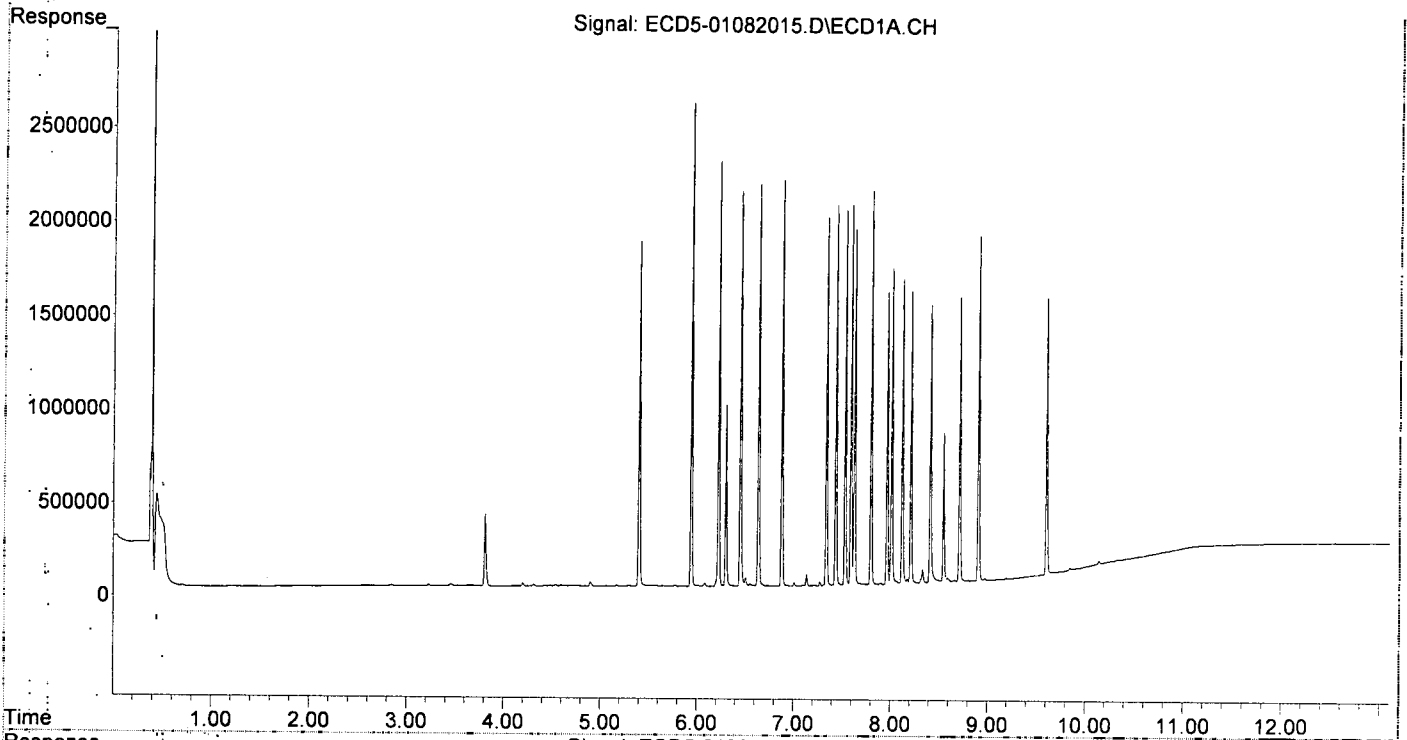
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.126	1840383	2696320	9.425	9.046
22) S DCBP (S)	9.608	10.739	1477683	1586829	9.733	8.917
Target Compounds						
2) a-BHC	5.942	6.733	2577924	3955799	9.796	9.579
3) g-BHC	6.224	7.053	2268745	3502209	9.716	9.593
4) b-BHC	6.301	7.114	961397	1480627	9.655	9.205
5) Heptachlor	6.638	7.433	2147477	3263335	9.450	9.206
6) d-BHC	6.450	7.372	2076601	3263098	9.533	9.662
7) Aldrin	6.880	7.702	2163245	3173256	9.804	9.528
8) Heptachlo...	7.341	8.140	1956671	2879584	9.491	9.348
9) trans-Chl...	7.438	8.282	2032056	2933717	9.643	9.408
10) cis-Chlor...	7.534	8.389	1994276	2847805	9.746	9.600
11) Endosulfa...	7.631	8.441	1890427	2609537	9.754	9.391
12) 4,4'-DDE	7.594	8.489	2021392	2826462	9.804	9.638
13) Dieldrin	7.803	8.643	2096792	2906015	9.735	9.407
14) Endrin	7.968	8.873	1559818	2003395	9.015	8.526
15) 4,4'-DDD	8.015	8.907	1682077	2301063	9.742	9.361
16) Endosulfa...	8.125	9.019	1622090	2276288	9.507	9.318
17) 4,4'-DDT	8.214	9.136	1545752	2023340	9.331	9.347
18) Endrin Al...	8.415	9.256	1482366	2117172	9.682	9.468
19) Endosulfa...	8.717	9.447	1505195	2032510	9.405	9.169
20) Methoxychlor	8.551	9.614	785011	1038753	9.064	8.734
21) Endrin Ke...	8.910	9.853	1825019	2330210	9.557	9.305
23) Hexachlor...	3.224	0.000	7308	0	0.037	N.D. #
24) Hexachlor...	5.773	6.611	4641	9140	BelowCal	0.029
25) Oxylordane	7.275	0.000	20896	0	BelowCal	N.D.
26) 2,4'-DDE	7.341	8.282	1956671	2933717	13.722	13.931
27) trans-Non...	7.534	8.344	1994276	11919	9.895	0.039 #
28) 2,4'-DDD	0.000	8.643	0	2906015	N.D.	15.756 #
29) 2,4'-DDT	7.903	8.873	8132	2003395	0.056	10.581 #
30) cis-Nonac...	8.015	8.907	1682077	2301063	7.137	6.745
31) Mirex	8.665	9.853	9422	2330210	6722.978	13.049 #
32) Chlordane...	7.438	8.282	2032056	2933717	86.612	75.423
33) Chlordane...	7.534	8.389	1994276	2847805	69.196	88.722
34) Chlordane...	0.000	9.050	0	46839	N.D.	4.411 #
35) Chlordane...	3.809	0.000	387318	0	NoCal	N.D.
36) Toxaphene...	7.534f	8.643f	1994276	2906015	1893.501	1074.588 #
37) Toxaphene...	7.803	0.000	2096792	0	1078.228	N.D. #
38) Toxaphene...	8.125	9.019	1622090	2276288	382.082	425.681
39) Toxaphene...	8.336f	9.050f	73451	46839	18.181	5.189 #
40) Toxaphene...	8.551f	9.256	785011	2117172	238.766	421.583 #
41) Toxaphene...	8.665	9.614f	9422	1038753	2.170	185.024 #
42) Toxaphene...	3.809	0.000	387318	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 15:58
Operator : MJB
Sample : 0A08041-CAL5
Misc : A19K131, AB 10 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: Jan 09 15:21:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 16:16
 Operator : MJB
 Sample : 0A08041-CAL6
 Misc : A19K132, AB 25 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 : Jan 09 15:21:23 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

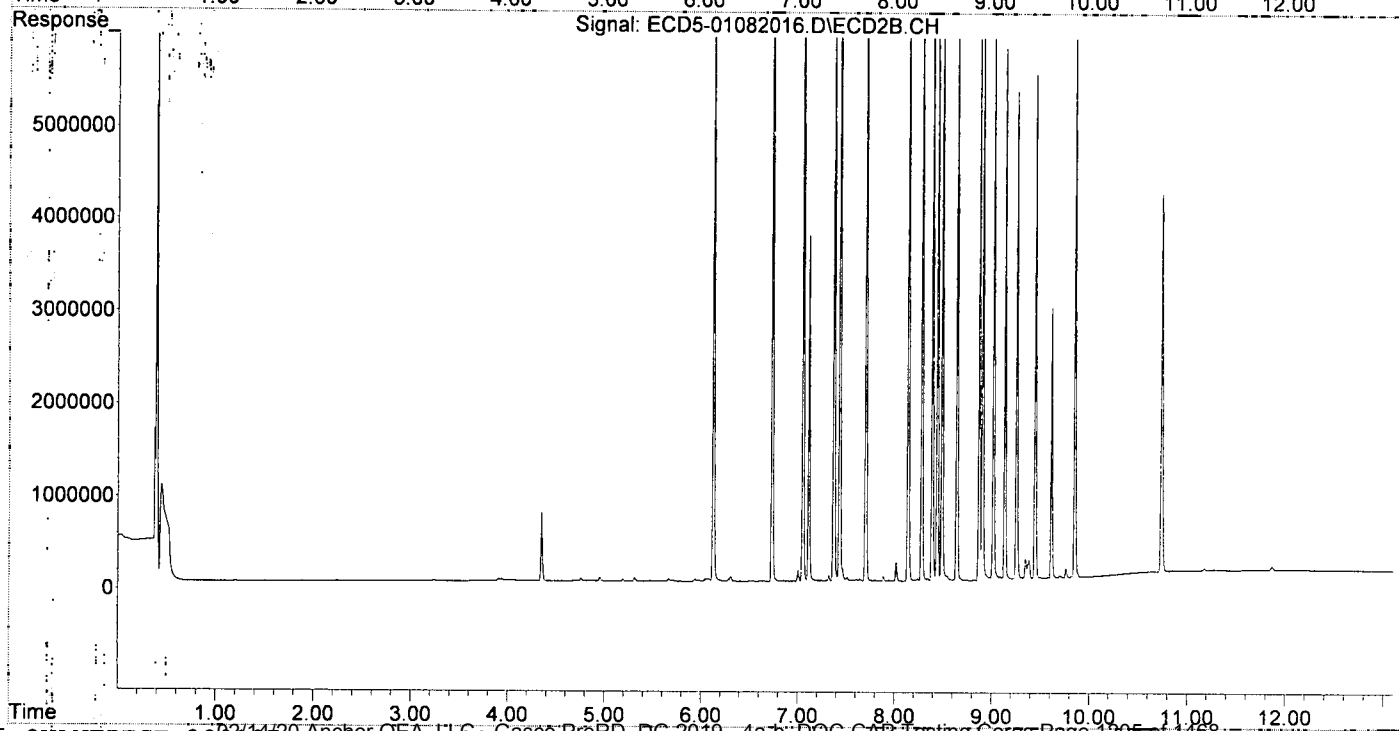
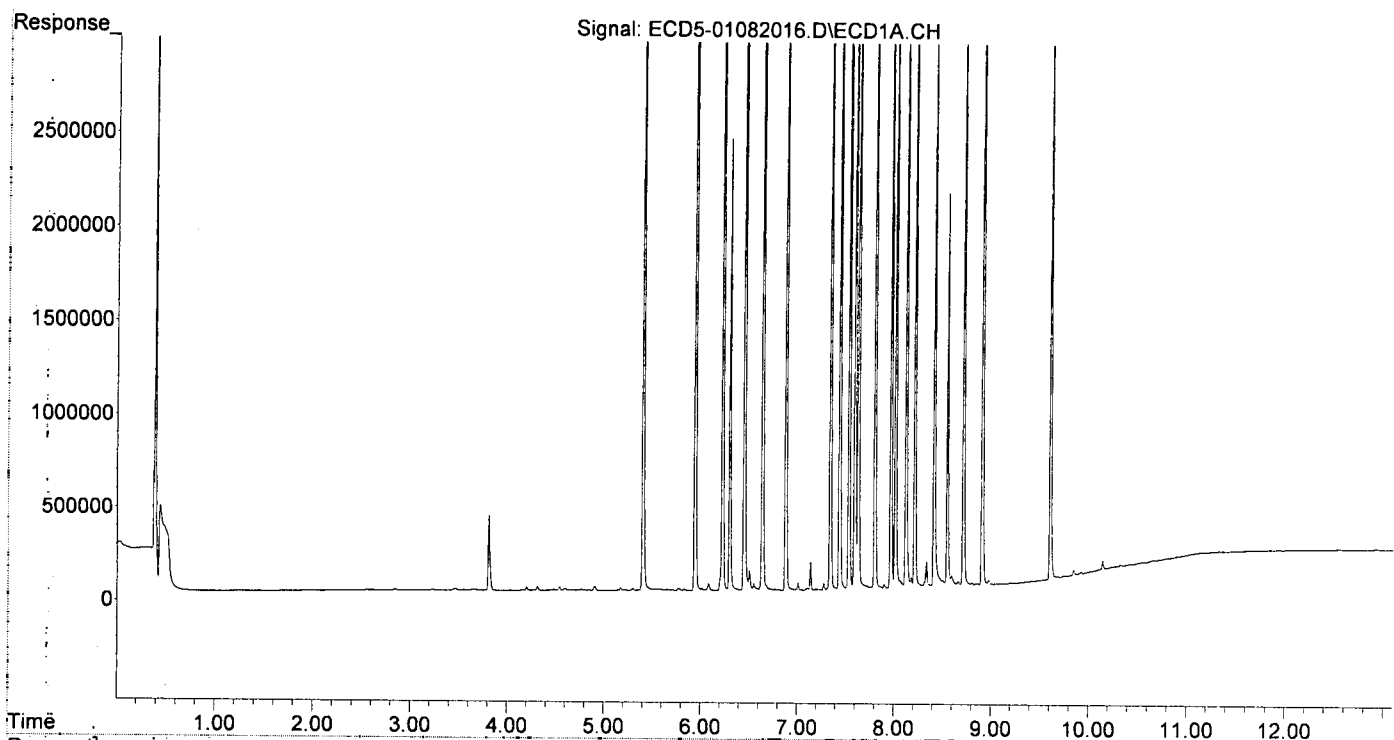
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.127	4644520	7248704	23.786	24.318
22) S DCBP (S)	9.609	10.741	3649221	4087662	24.310	22.971
Target Compounds						
2) a-BHC	5.943	6.735	6708027	10415470	25.490	25.222
3) g-BHC	6.226	7.054	5763650	9109081	24.684	24.950
4) b-BHC	6.302	7.115	2412054	3735653	24.538	23.223
5) Heptachlor	6.640	7.435	5435552	8726365	23.920	24.617
6) d-BHC	6.452	7.374	5473600	9124505	25.126	26.398
7) Aldrin	6.882	7.704	5637637	8363357	25.551	25.111
8) Heptachlo...	7.342	8.142	5116716	7570159	24.820	24.576
9) trans-Chl...	7.439	8.283	5203493	7709066	24.694	24.722
10) cis-Chlor...	7.535	8.391	5032396	7320817	24.593	24.679
11) Endosulfa...	7.632	8.443	4772332	6856889	24.625	24.675
12) 4,4'-DDE	7.595	8.491	5211626	7706129	25.276	25.712
13) Dieldrin	7.804	8.645	5425309	7861083	25.190	25.446
14) Endrin	7.968	8.874	4355756	5981930	25.175	25.459
15) 4,4'-DDD	8.016	8.909	4392393	6163457	25.440	25.074
16) Endosulfa...	8.126	9.021	4183901	6151164	24.522	25.179
17) 4,4'-DDT	8.215	9.138	4195442	5749572	25.325	25.729
18) Endrin Al...	8.416	9.258	3592714	5279915	23.465	23.613
19) Endosulfa...	8.718	9.449	3934236	5454073	24.583	24.604
20) Methoxychlor	8.552	9.616	2096804	2923508	24.210	24.582
21) Endrin Ke...	8.912	9.854	4735111	6356172	24.795	25.381
23) Hexachlor...	3.226f	0.000	6551	0	0.033	N.D. #
24) Hexachlor...	5.770	6.614	12135	9199	BelowCal	0.029
25) Oxylordane	7.277	0.000	34653	0	BelowCal	N.D.
26) 2,4'-DDE	7.342	8.283	5116716	7709066	35.884	36.607
27) trans-Non...	7.535	8.345	5032396	27116	25.173	0.088 #
28) 2,4'-DDD	0.000	8.645	0	7861083	N.D.	42.621 #
29) 2,4'-DDT	7.902	8.874	19168	5981930	0.131	30.672 #
30) cis-Nonac...	8.016f	8.909	4392393	6163457	18.636	18.067
31) Mirex	8.666	9.854	20784	6356172	6722.893	35.208 #
32) Chlordane...	7.439	8.283	5203493	7709066	221.788	198.192
33) Chlordane...	7.535	8.391	5032396	7320817	174.610	228.078
34) Chlordane...	0.000	9.093f	0	33760	N.D.	3.180 #
35) Chlordane...	3.810	0.000	402494	0	NoCal	N.D.
36) Toxaphene...	7.535f	8.645f	5032396	7861083	4778.097	2906.875
37) Toxaphene...	7.804	0.000	5425309	0	2789.844	N.D. #
38) Toxaphene...	8.126	9.021	4183901	6151164	984.191	1096.590
39) Toxaphene...	8.337f	9.093f	132833	33760	32.879	3.740 #
40) Toxaphene...	8.596	9.258	52143	5279915	15.860	1051.367 #
41) Toxaphene...	8.666	9.616	20784	2923508	4.786	520.738 #
42) Toxaphene...	3.810	0.000	402494	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 16:16
Operator : MJB
Sample : 0A08041-CAL6
Misc : A19K132, AB 25 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: Jan 09 15:21:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 16:33
 Operator : MJB
 Sample : 0A08041-CAL7
 Misc : A19K133, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 15:21:30 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/9/20

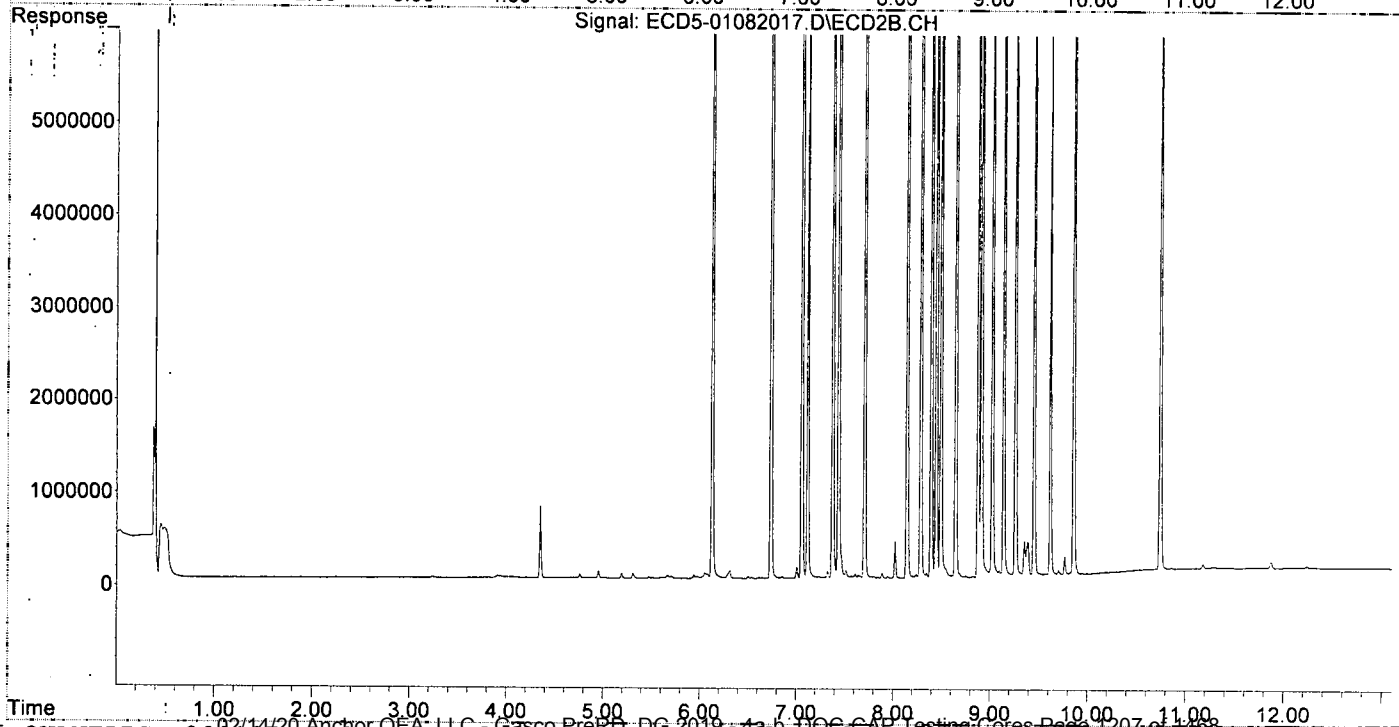
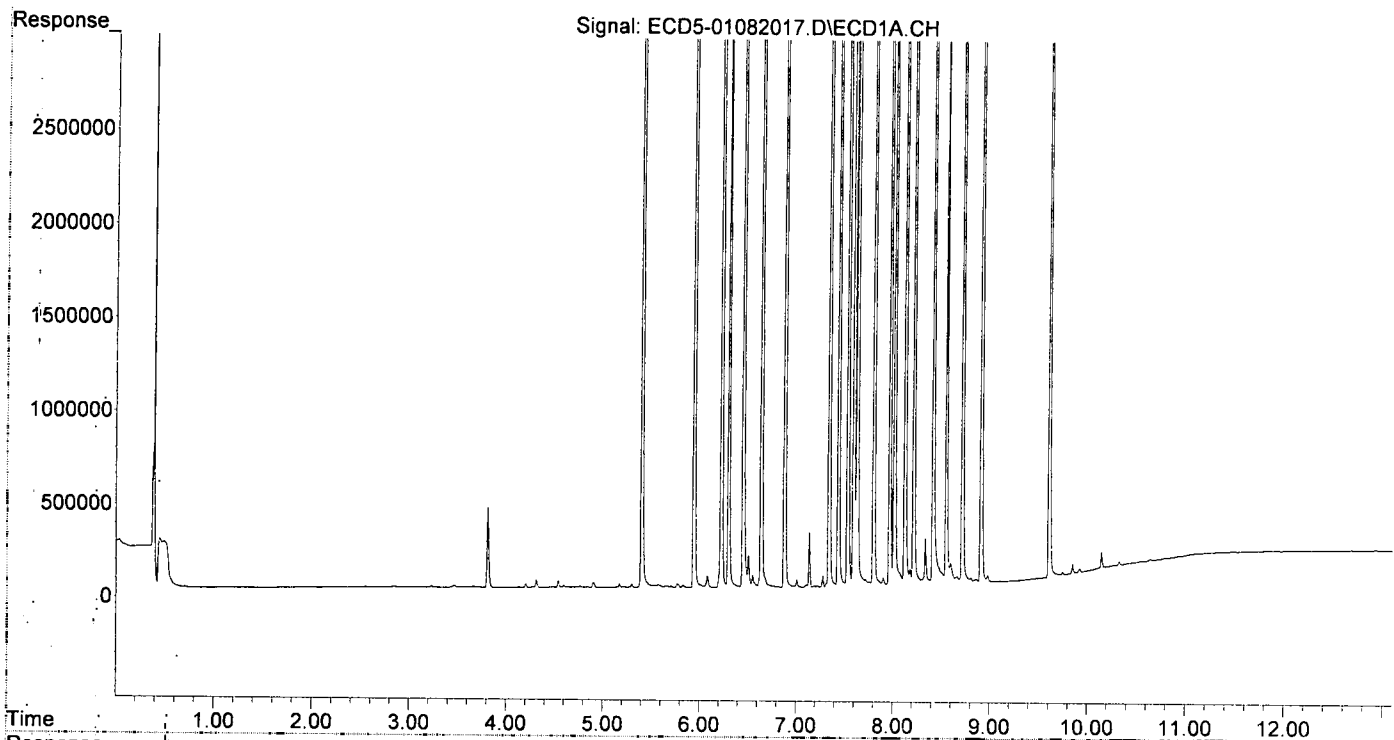
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.404	6.128	9333732	14973503	47.801	50.233
22) S DCBP (S)	9.610	10.743	7324286	8356479	49.099	46.960
Target Compounds						
2) a-BHC	5.944	6.736	13216845	22089318	50.223	53.491
3) g-BHC	6.226	7.055	11708116	19348411	50.142	52.995
4) b-BHC	6.302	7.116	4896621	7821870	50.205	48.626
5) Heptachlor	6.640	7.436	11436571	18476010	50.329	52.120
6) d-BHC	6.452	7.375	11429030	18657508	52.465	52.359
7) Aldrin	6.882	7.705	11087840	17419751	50.253	52.303
8) Heptachlo...	7.342	8.143	9998611	15668568	48.500	50.866
9) trans-Chl...	7.438	8.284	10533023	15828140	49.986	50.759
10) cis-Chlor...	7.535	8.392	9997532	15222666	48.857	51.316
11) Endosulfa...	7.631	8.444	9321509	14247679	48.098	51.272
12) 4,4'-DDE	7.595	8.492	10548305	16343004	51.159	52.768
13) Dieldrin	7.804	8.646	10540242	16218456	48.939	52.499
14) Endrin	7.969	8.875	8377116	11897358	48.418	50.634
15) 4,4'-DDD	8.016	8.910	8716356	13105625	50.485	53.317
16) Endosulfa...	8.126	9.022	8170502	12207870	47.888	49.971
17) 4,4'-DDT	8.215	9.139	8824873	12576988	53.270	53.570
18) Endrin Al...	8.416	9.259	7206121	10910333	47.064	48.793
19) Endosulfa...	8.718	9.450	7989432	11599024	49.923	52.326
20) Methoxychlor	8.552	9.616	4344332	6115403	50.161	51.420
21) Endrin Ke...	8.912	9.855	9580043	12905122	50.165	51.531
23) Hexachlor...	3.225f	0.000	7000	0	0.035	N.D. #
24) Hexachlor...	5.769	6.613	20287	10058	BelowCal	0.031
25) Oxychlordane	7.277	0.000	57135	0	0.124	N.D. #
26) 2,4'-DDE	7.342	8.284	9998611	15828140	70.121	75.161
27) trans-Non...	7.535	8.346	9997532	49880	50.053	0.162 #
28) 2,4'-DDD	0.000	8.646	0	16218456	N.D.	87.934 #
29) 2,4'-DDT	7.901	8.875	38527	11897358	0.263	58.268 #
30) cis-Nonac...	8.016f	8.910	8716356	13105625	36.982	38.417
31) Mirex	8.665	9.855	33796	12905122	0.004	69.254 #
32) Chlordane...	7.438	8.284	10533023	15828140	448.947	406.925
33) Chlordane...	7.535	8.392	9997532	15222666	346.887	474.257
34) Chlordane...	0.000	9.094f	0	56142	N.D.	5.288 #
35) Chlordane...	3.810	0.000	427449	0	NoCal	N.D.
36) Toxaphene...	7.535f	8.646f	9997532	16218456	9492.332	5997.268
37) Toxaphene...	7.804	0.000	10540242	0	5420.083	N.D. #
38) Toxaphene...	8.126	9.022	8170502	12207870	1902.876	2032.329
39) Toxaphene...	8.337f	9.094f	240812	56142	59.606	6.220 #
40) Toxaphene...	8.597	9.259	106499	10910333	32.393	2172.528 #
41) Toxaphene...	8.665	9.616	33796	6115403	7.783	1089.281 #
42) Toxaphene...	3.810	0.000	427449	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 16:33
Operator : MJB
Sample : 0A08041-CAL7
Misc : A19K133, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 15:21:30 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 16:50
 Operator : MJB
 Sample : 0A08041-CAL8
 Misc : A19K134, AB 100 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: Jan 09 15:21:37 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 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)	5.402	6.126	18608009	30726323	95.298	103.080
2) S DCBP (S)	9.609	10.740	14736356	18325862	99.567	102.985
Target Compounds						
2) a-BHC	5.942	6.734	26761777	46009925	101.692	111.417
3) g-BHC	6.225	7.054	23719186	40108652	101.581	109.857
4) b-BHC	6.301	7.114	9778496	15872194	101.308	98.673
5) Heptachlor	6.638	7.434	22525924	39120687	99.130	110.358
6) d-BHC	6.450	7.373	22559943	39888976	103.561	105.607
7) Aldrin	6.879	7.703	21827668	36118456	98.929	108.445
8) Heptachlo...	7.340	8.141	19866372	32905611	96.366	106.824
9) trans-Chl...	7.436	8.282	20684116	32788413	98.160	105.148
10) cis-Chlor...	7.533	8.390	19622551	31325513	95.894	105.599
11) Endosulfa...	7.630	8.442	18668180	29837370	96.325	107.374
12) 4,4'-DDE	7.593	8.491	20981322	34240158	101.759	104.246
13) Dieldrin	7.802	8.644	21752074	34067227	100.995	110.275
14) Endrin	7.967	8.873	16990601	25511288	98.201	108.575
15) 4,4'-DDD	8.015	8.908	17753200	27404752	102.825	111.489
16) Endosulfa...	8.124	9.020	16571029	26285916	97.123	107.598
17) 4,4'-DDT	8.214	9.138	17230392	27045966	104.009	105.736
18) Endrin Al...	8.414	9.257	14322834	23088226	93.545	103.255
19) Endosulfa...	8.716	9.448	15517798	24531265	96.964	110.666
20) Methoxychlor	8.550	9.615	8765747	13401490	101.211	112.683
21) Endrin Ke...	8.910	9.854	19103565	28057636	100.034	112.037
23) Hexachlor...	3.224	0.000	6894	0	0.035	N.D. #
24) Hexachlor...	5.768	6.611	38414	10513	0.044	0.033
25) Oxychlorthane	7.275	8.101f	98982	7937	0.364	0.028 #
26) 2,4'-DDE	7.340	8.282	19866372	32788413	139.324	155.697
27) trans-Non...	7.533	8.344	19622551	86189	97.974	0.280 #
28) 2,4'-DDD	7.715	8.644	57668	34067227	0.453	184.706 #
29) 2,4'-DDT	7.899	8.873	74166	25511288	0.506	114.294 #
30) cis-Nonac...	8.015	8.908	17753200	27404752	75.323	80.333
31) Mirex	8.663	9.854	69764	28057636	0.271	140.604 #
32) Chlordane...	7.436	8.282	20684116	32788413	881.615	842.956
33) Chlordane...	7.533	8.390	19622551	31325513	680.848	975.936 #
34) Chlordane...	0.000	9.092f	0	110953	N.D.	10.450 #
35) Chlordane...	3.808	0.000	409999	0	NoCal	N.D.
36) Toxaphene...	7.533f	8.611	19622551	37888	18630.975	14.010 #
37) Toxaphene...	7.802	0.000	21752074	0	11185.517	N.D. #
38) Toxaphene...	8.124	9.020	16571029	26285916	3771.828	3866.715
39) Toxaphene...	8.335f	9.092	462719	110953	114.533	12.293 #
40) Toxaphene...	8.595	9.257	202701	23088226	61.653	4597.460 #
41) Toxaphene...	8.663	9.615	69764	13401490	16.066	2387.084 #
42) Toxaphene...	3.808	0.000	409999	0	NoCal	N.D.

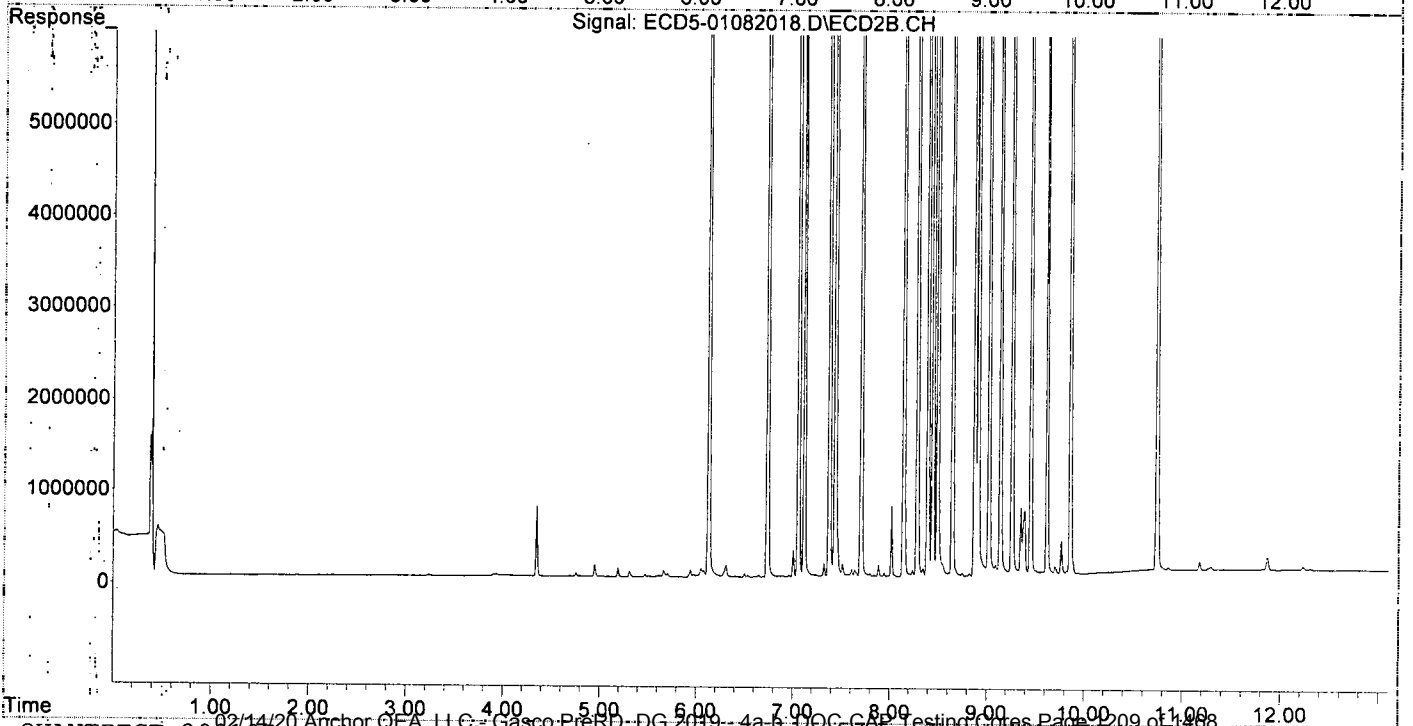
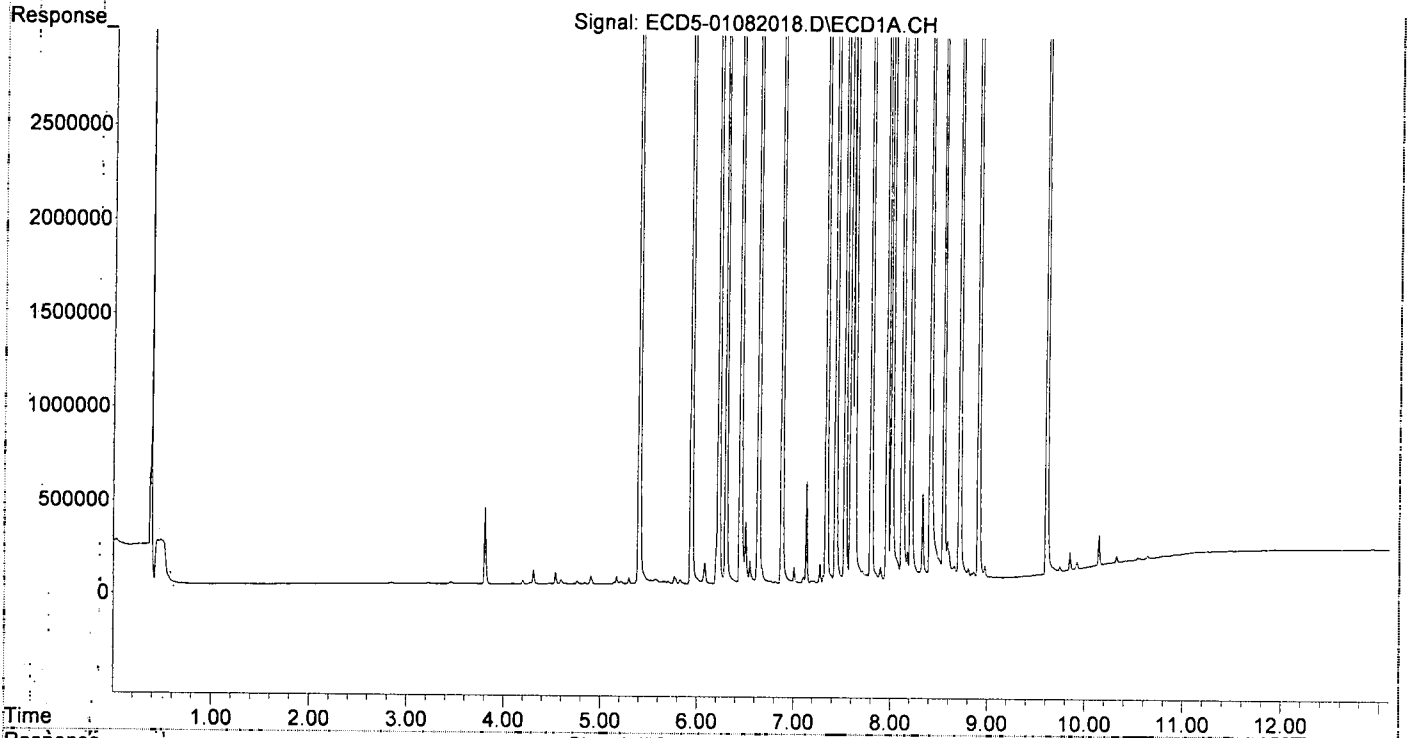
MJB
1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 16:50
Operator : MJB
Sample : 0A08041-CAL8
Misc : A19K134, AB 100 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: Jan 09 15:21:37 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082019.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 17:07
 Operator: MJB
 Sample: 0A08041-CAL9
 Misc: A19K126, AB 200 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: Jan 09 15:21:44 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

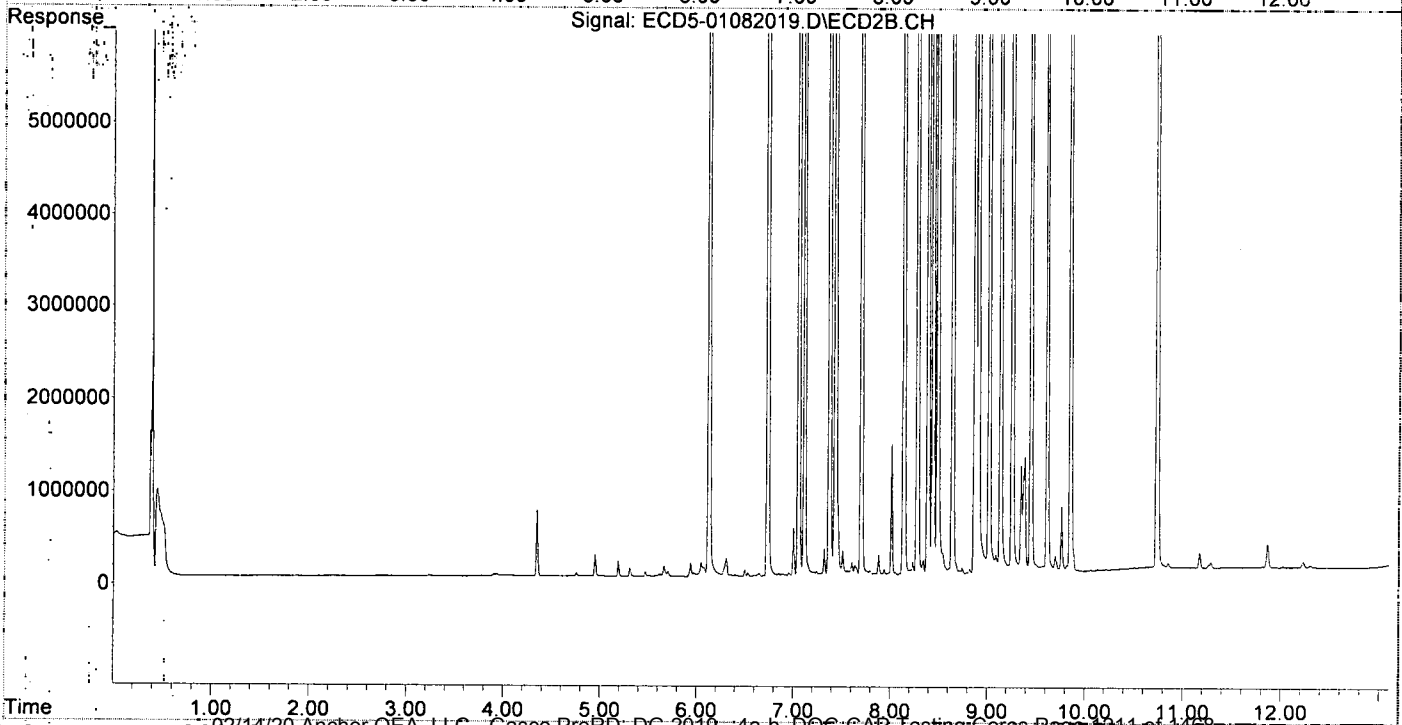
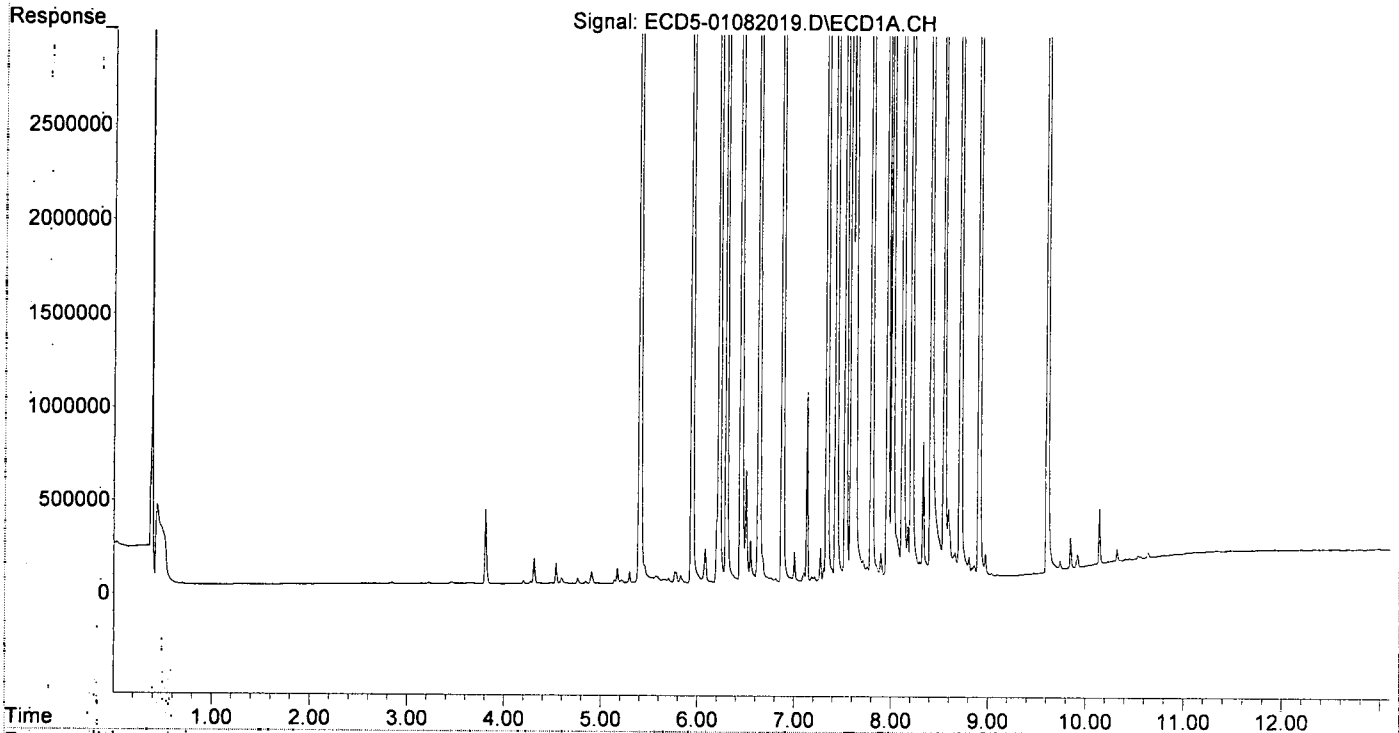
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.402	6.127	36004194	63805007	184.390	214.051
22)	S DCBP (S)	9.608	10.740	29522105	37530513	202.209	210.908
Target Compounds							
2)	a-BHC	5.942	6.735	51378594	94490351	195.234	228.817
3)	g-BHC	6.225	7.055	45740727	81152836	195.891	222.277
4)	b-BHC	6.300	7.114	18885723	32003158	199.163	198.954
5)	Heptachlor	6.637	7.434	43921584	78012422	193.286	220.071
6)	d-BHC	6.450	7.373	44016986	79563682	202.059	192.875
7)	Aldrin	6.878	7.703	42282992	73697118	191.639	221.275
8)	Heptachlo...	7.339	8.141	38629005	67266896	187.378	218.373
9)	trans-Chl...	7.435	8.282	40459355	67463571	192.007	216.347
10)	cis-Chlor...	7.532	8.390	38789603	63748867	189.562	214.898
11)	Endosulfa...	7.629	8.442	36273958	61251233	187.169	220.421
12)	4,4'-DDE	7.592	8.491	40550794	70133432	196.671	194.220
13)	Dieldrin	7.801	8.643	42048253	69685127	195.231	225.569
14)	Endrin	7.966	8.874	33554398	54542107	193.936	232.128
15)	4,4'-DDD	8.014	8.909	34664444	57884644	200.774	235.489
16)	Endosulfa...	8.123	9.020	32037931	56742124	187.775	232.266
17)	4,4'-DDT	8.213	9.138	33779701	56160769	203.908	193.063
18)	Endrin Al...	8.414	9.257	28205265	46664440	184.213	208.693
19)	Endosulfa...	8.716	9.449	30589878	50080530	191.143	225.924
20)	Methoxychlor	8.549	9.614	16842837	27125539	194.471	228.079
21)	Endrin Ke...	8.911	9.854	38218148	59346864	200.126	236.978
23)	Hexachlor...	3.223	0.000	6084	0	0.031	N.D. #
24)	Hexachlor...	5.768	6.605	62990	11865	0.171	0.037 #
25)	Oxychlorthane	7.274	8.058	176557	22974	0.809	0.082 #
26)	2,4'-DDE	7.339	8.282	38629005	67463571	270.907	320.354
27)	trans-Non...	7.532	8.343	38789603	148824	192.223	0.484 #
28)	2,4'-DDD	7.714	8.643	101817	69685127	0.800	377.820 #
29)	2,4'-DDT	7.897	8.874	137514	54542107	0.939	212.438 #
30)	cis-Nonac...	8.014	8.909	34664444	57884644	147.073	169.680
31)	Mirex	8.663	9.854	128855	59346864	0.709	265.905 #
32)	Chlordane...	7.435	8.282	40459355	67463571	1724.492	1734.418
33)	Chlordane...	7.532	8.390	38789603	63748867	1345.891	1986.074 #
34)	Chlordane...	0.000	9.091f	0	190257	N.D.	17.919 #
35)	Chlordane...	3.808	0.000	397238	0	NoCal	N.D.
36)	Toxaphene...	7.532f	8.610	38789603	58664	36829.468	21.693 #
37)	Toxaphene...	7.801	0.000	42048253	0	21622.373	N.D. #
38)	Toxaphene...	8.123	9.020	32037931	56742124	7008.109	6969.259
39)	Toxaphene...	8.334f	9.091	724794	190257	179.403	21.080 #
40)	Toxaphene...	8.594	9.257	363464	46664440	110.550	9292.091 #
41)	Toxaphene...	8.663	9.614	128855	27125539	29.674	4831.623 #
42)	Toxaphene...	3.808	0.000	397238	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:07
Operator : MJB
Sample : 0A08041-CAL9
Misc : A19K126, AB 200 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: Jan 09 15:21:44 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082022.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 17:59
 Operator : MJB
 Sample : 0A08041-CALA
 Misc : A20A096, 9-42 0.5 ppb
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1
 Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:28:46 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

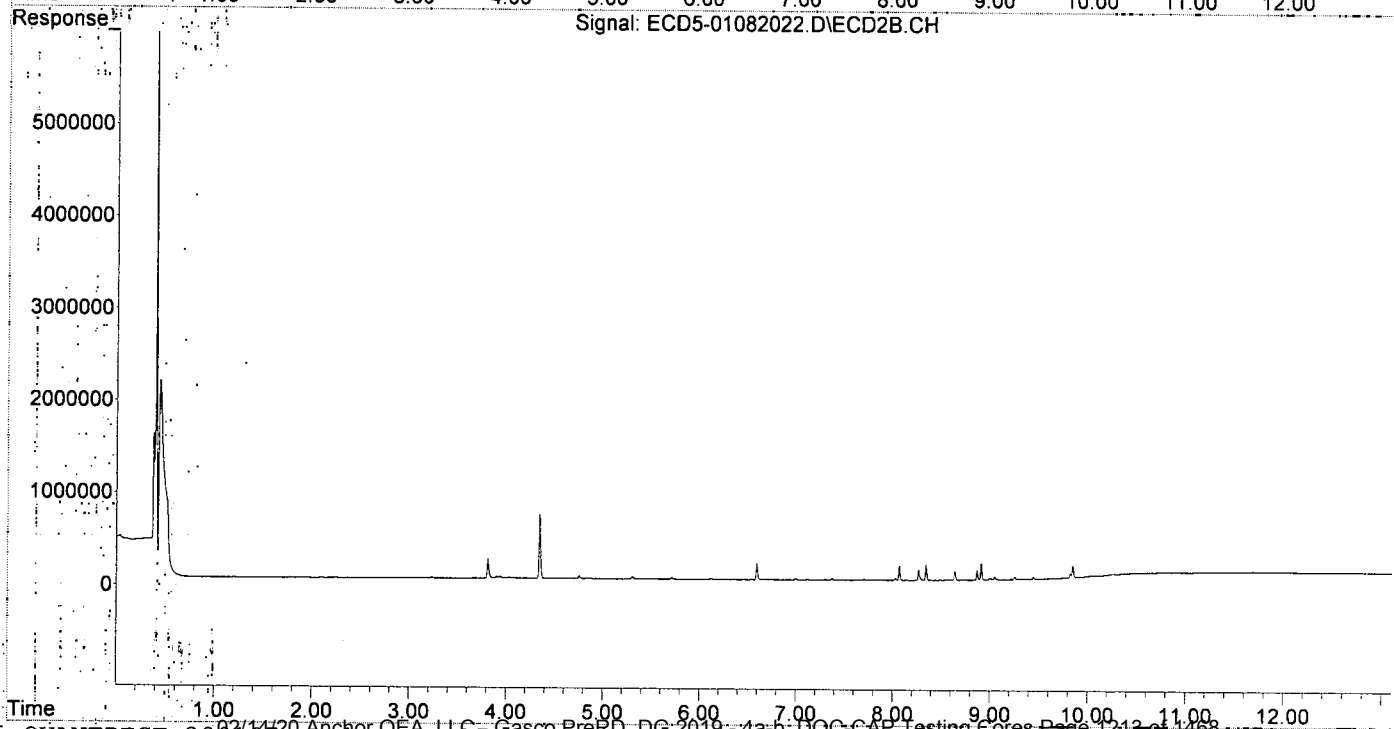
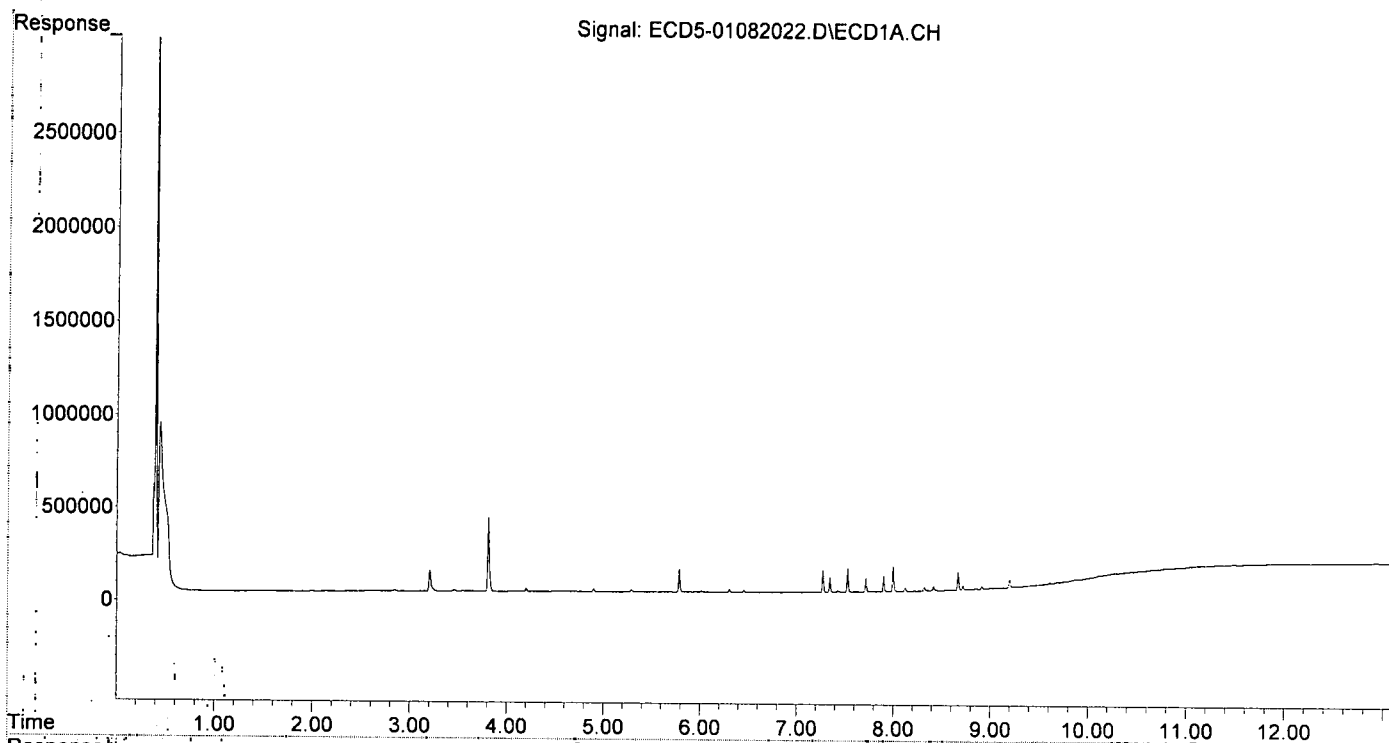
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds								
1)	S TCMX (S)	0.000	6.123	0	9793	N.D.	0.033	#
22)	S DCBP (S)	9.609	10.742	7330	5225	8131.936	0.029	#
Target Compounds								
2)	a-BHC	5.948	0.000	3356	0	0.013	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.303	7.114	14822	8788	5931.851	0.055	#
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	6.451	7.372	10898	16667	0.050	0.107	#
7)	Aldrin	0.000	7.704	0	13478	N.D.	0.040	#
8)	Heptachlo...	7.343	0.000	81726	0	0.396	N.D.	#
9)	trans-Chl...	7.421	8.268	7409	115006	0.035	0.369	#
10)	cis-Chlor...	7.527	0.000	126746	0	0.619	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	7.764f	8.643	3361	101849	0.016	0.330	#
14)	Endrin	7.997f	8.870	134243	108578	0.776	0.462	#
15)	4,4'-DDD	7.997	8.913	134243	177850	0.778	0.724	
16)	Endosulfa...	8.121	9.019	20280	13820	0.119	0.057	#
17)	4,4'-DDT	8.214	0.000	1986	0	0.012	N.D.	#
18)	Endrin Al...	8.415	9.256	21782	29354	0.142	0.131	
19)	Endosulfa...	8.717	9.447	20857	24871	0.130	0.112	
20)	Methoxychlor	0.000	9.615	0	2009	N.D.	0.017	#
21)	Endrin Ke...	8.911	9.851	12498	127755	0.065	0.510	#
23)	Hexachlor...	3.203	3.812	111441	211151	0.559	0.527	
24)	Hexachlor...	5.783	6.595	122709	175732	0.481	0.549	
25)	Oxychlorthane	7.270	8.069	118861	156922	0.478	0.561	
26)	2,4'-DDE	7.343	8.268	81726	115006	0.573	0.546	
27)	trans-Non...	7.527	8.345	126746	167484	0.483	0.545	
28)	2,4'-DDD	7.716	8.643	71868	101849	0.565	0.552	
29)	2,4'-DDT	7.899	8.870	83331	108578	0.569	0.486	
30)	cis-Nonac...	7.997	8.913	134243	177850	0.570	0.521	
31)	Mirex	8.667	9.851	96444	127755	0.468	0.470	
32)	Chlordane...	7.421	8.268	7409	115006	0.316	2.957	#
33)	Chlordane...	7.527	0.000	126746	0	4.398	N.D.	#
34)	Chlordane...	0.000	9.051	0	32420	N.D.	3.053	#
35)	Chlordane...	3.808	3.812	394864	211151	NoCal	NoCal	
36)	Toxaphene...	7.527	8.643f	126746	101849	120.341	37.662	#
37)	Toxaphene...	0.000	8.999f	0	18267	N.D.	5.245	#
38)	Toxaphene...	8.121	8.999	20280	18267	0.692	BelowCal	#
39)	Toxaphene...	0.000	9.051f	0	32420	N.D.	3.592	#
40)	Toxaphene...	0.000	9.256	0	29354	N.D.	5.845	#
41)	Toxaphene...	8.667	9.615	96444	2009	22.210	0.358	#
42)	Toxaphene...	3.808	3.812	394864	211151	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:28:46 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082023.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 18:16
 Operator: MJB
 Sample: 0A08041-CALB
 Misc: A19K263, 9-42 1 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: Jan 09 11:29:07 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 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)	0.000	6.125	0	9319	N.D.	0.031 #
22) S DCBP (S)	9.609	10.740	8276	6867	8131.930	0.039 #
Target Compounds						
2) a-BHC	5.948	0.000	3587	0	0.014	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.303	7.115	18553	12880	0.022	0.080 #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.451	7.372	7294	11154	0.033	0.091 #
7) Aldrin	0.000	7.705	0	13529	N.D.	0.041 #
8) Heptachlo...	7.343	0.000	161136	0	0.782	N.D. #
9) trans-Chl...	7.423	8.269	7950	220925	0.038	0.708 #
10) cis-Chlor...	7.527	0.000	240849	0	1.177	N.D. #
11) Endosulfa...	7.593f	0.000	2151	0	0.011	N.D. #
12) 4,4'-DDE	7.593	0.000	2151	0	0.010	N.D. #
13) Dieldrin	7.804	8.644	3226	193608	0.015	0.627 #
14) Endrin	7.997f	8.871	263651	215626	1.524	0.918
15) 4,4'-DDD	7.997	8.914	263651	344851	1.527	1.403
16) Endosulfa...	8.122	9.019	19206	9934	0.113	0.041 #
17) 4,4'-DDT	8.214	0.000	2581	0	0.016	N.D. #
18) Endrin Al...	8.415	9.257	12354	15833	0.081	0.071
19) Endosulfa...	8.717	9.448	12580	14348	0.079	0.065
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin. Ke...	8.911	9.851	9517	237397	0.050	0.948 #
23) Hexachlor...	3.204	3.812	233620	433391	1.171	1.082
24) Hexachlor...	5.783	6.595	233462	346466	1.056	1.082
25) Oxychlordane	7.271	8.070	223883	298417	1.080	1.067
26) 2,4'-DDE	7.343	8.269	161136	220925	1.130	1.049
27) trans-Non...	7.527	8.345	240849	328300	1.058	1.068
28) 2,4'-DDD	7.716	8.644	143303	193608	1.126	1.050
29) 2,4'-DDT	7.900	8.871	162358	215626	1.108	1.066
30) cis-Nonac...	7.997	8.914	263651	344851	1.119	1.011
31) Mirex	8.667	9.851	181371	237397	1.098	1.105
32) Chlordane...	7.423	8.269	7950	220925	0.339	5.680 #
33) Chlordane...	7.527	0.000	240849	0	8.357	N.D. #
34) Chlordane...	0.000	9.053	0	30787	N.D.	2.900 #
35) Chlordane...	3.808	3.812	430003	433391	NoCal	NoCal
36) Toxaphene...	7.527	8.644f	240849	193608	228.678	71.592 #
37) Toxaphene...	7.804	8.999f	3226	19180	1.659	5.507 #
38) Toxaphene...	8.122	8.999	19206	19180	0.435	BelowCal #
39) Toxaphene...	8.319f	9.053	17752	30787	4.394	3.411
40) Toxaphene...	0.000	9.257	0	15833	N.D.	3.153 #
41) Toxaphene...	8.667	0.000	181371	0	41.768	N.D. #
42) Toxaphene...	3.808	3.812	430003	433391	NoCal	NoCal

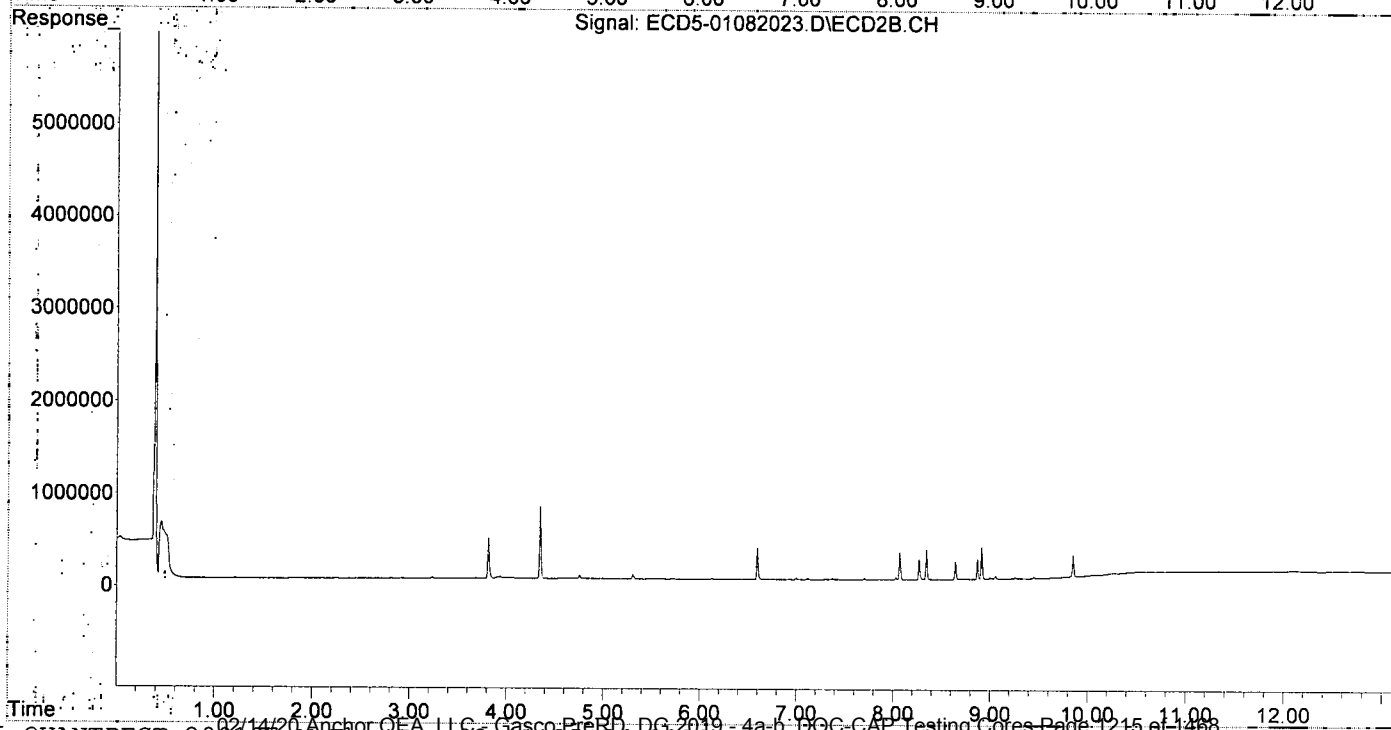
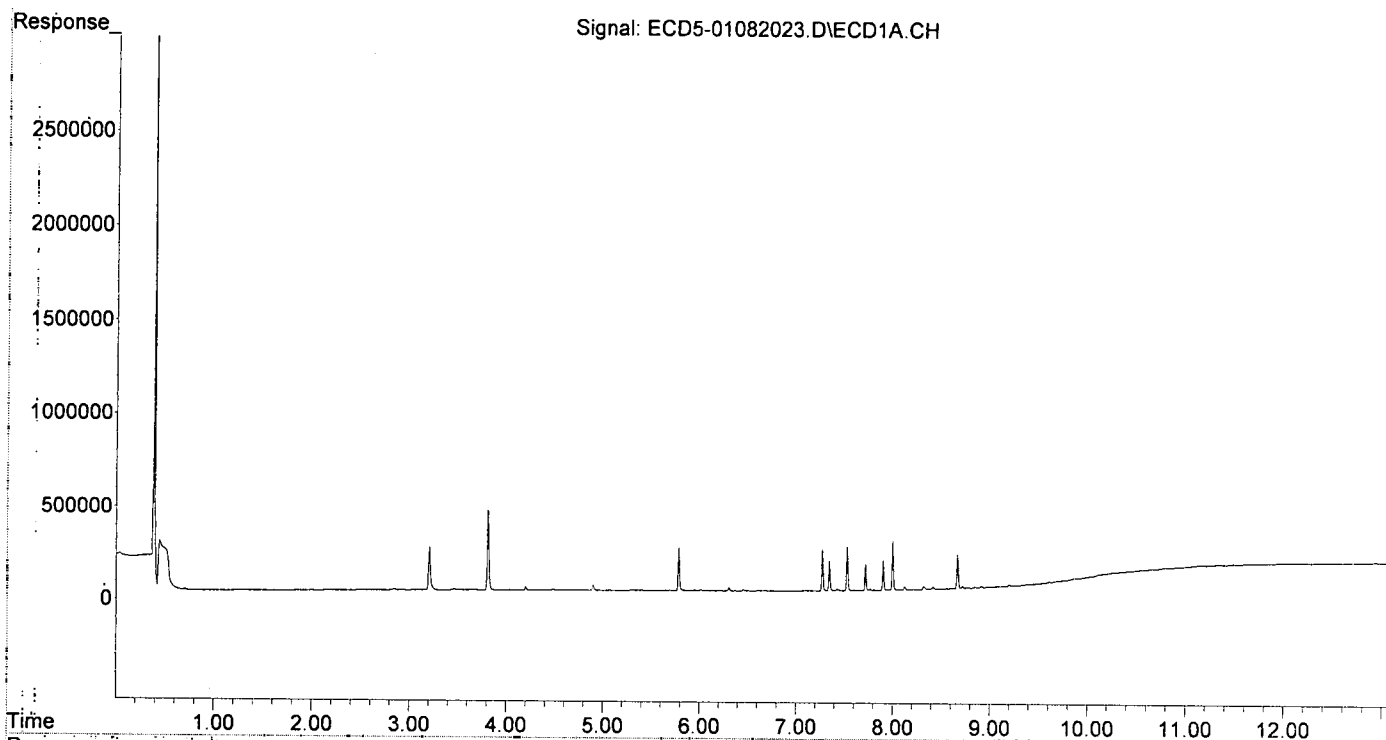
MJB
1/9/20

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 18:16
Operator : MJB
Sample : 0A08041-CALB
Misc : A19K263, 9-42 1 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: Jan 09 11:29:07 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082024.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 18:33
 Operator : MJB
 Sample : 0A08041-CALC
 Misc : A19K264, 9-42 2 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: Jan 09 11:29:23 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/9/20

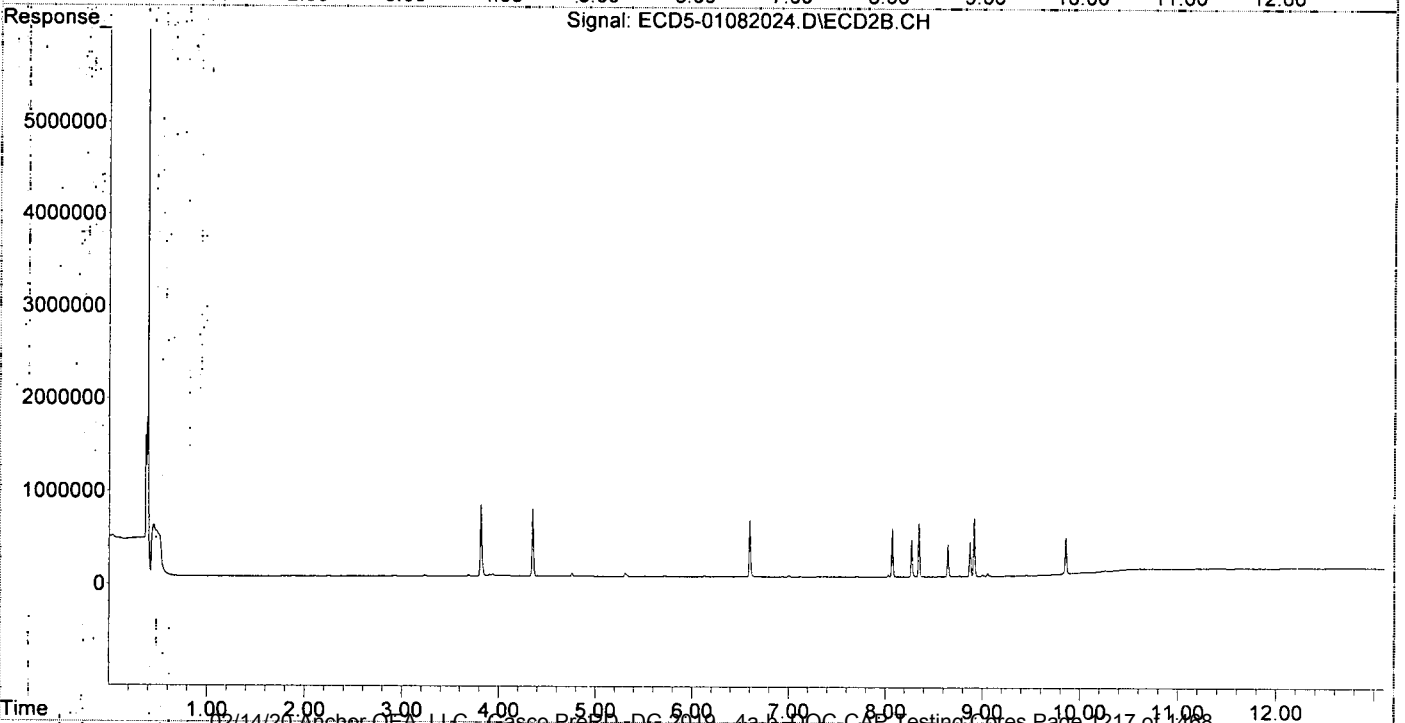
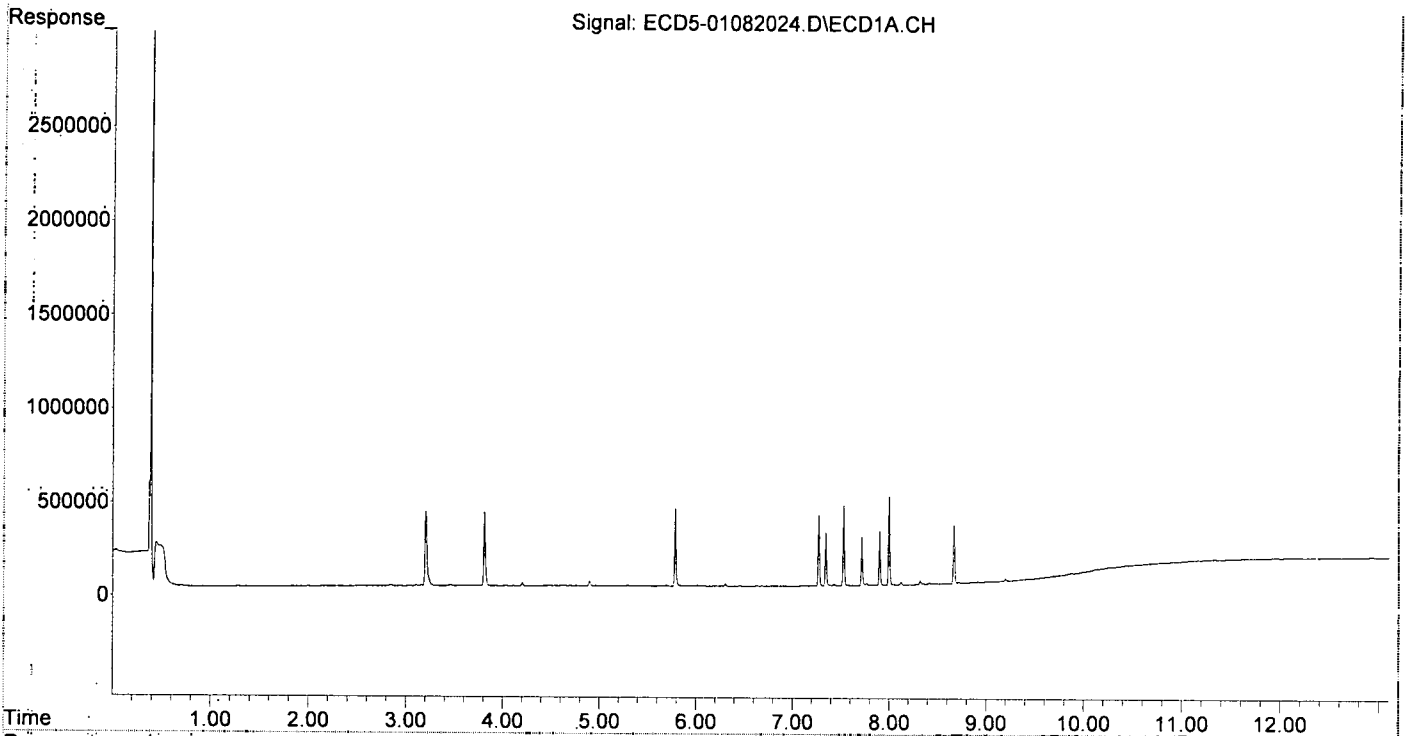
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.125	0	9225	N.D.	0.031 #
22) S DCBP (S)	9.609	10.744	8599	6530	8131.928	0.037 #
Target Compounds						
2) a-BHC	5.948	0.000	2896	0	0.011	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.303	0.000	12293	0	5931.877	N.D. #
5) Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6) d-BHC	6.452	7.372	4541	6885	0.021	0.078 #
7) Aldrin	0.000	7.705	0	11016	N.D.	0.033 #
8) Heptachlo...	7.343	0.000	286330	0	1.389	N.D. #
9) trans-Chl...	7.423	8.269	6682	399650	0.032	1.282 #
10) cis-Chlor...	7.527	0.000	424879	0	2.076	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	7.764f	8.644	12244	345575	0.057	1.119 #
14) Endrin	7.997f	8.871	471473	367900	2.725	1.566 #
15) 4,4'-DDD	7.997	8.914	471473	627227	2.731	2.552
16) Endosulfa...	8.120	8.999f	15406	17250	0.090	0.071
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18) Endrin Al...	8.415	9.257	7625	9030	0.050	0.040
19) Endosulfa...	8.717	9.448	6228	7337	0.039	0.033
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21) Endrin Ke...	8.911	9.851	4458	390163	0.023	1.558 #
23) Hexachlor...	3.204	3.812	399253	769290	2.002	1.920
24) Hexachlor...	5.783	6.595	418552	608347	2.017	1.900
25) Oxychlorthane	7.270	8.070	376867	529184	1.958	1.892
26) 2,4'-DDE	7.343	8.269	286330	399650	2.008	1.898
27) trans-Non...	7.527	8.345	424879	574207	1.986	1.867
28) 2,4'-DDD	7.716	8.644	258533	345575	2.032	1.874
29) 2,4'-DDT	7.899	8.871	289368	367900	1.976	1.890
30) cis-Nonac...	7.997	8.914	471473	627227	2.000	1.839
31) Mirex	8.667	9.851	308615	390163	2.042	1.987
32) Chlordane...	7.423	8.269	6682	399650	0.285	10.275 #
33) Chlordane...	7.527	0.000	424879	0	14.742	N.D. #
34) Chlordane...	0.000	9.053	0	32232	N.D.	3.036 #
35) Chlordane...	3.808	3.812	396227	769290	NoCal	NoCal
36) Toxaphene...	7.527	8.644f	424879	345575	403.409	127.787 #
37) Toxaphene...	7.764f	8.999f	12244	17250	6.296	4.953
38) Toxaphene...	8.120	8.999	15406	17250	BelowCal	BelowCal
39) Toxaphene...	8.319f	9.053	17956	32232	4.444	3.571
40) Toxaphene...	0.000	9.257	0	9030	N.D.	1.798 #
41) Toxaphene...	8.667	0.000	308615	0	71.071	N.D. #
42) Toxaphene...	3.808	3.812	396227	769290	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 18:33
Operator : MJB
Sample : 0A08041-CALC
Misc : A19K264, 9-42 2 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: Jan 09 11:29:23 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082025.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 18:51
 Operator : MJB
 Sample : 0A08041-CALD
 Misc : A19K265, 9-42 5 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: Jan 09 11:29:37 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

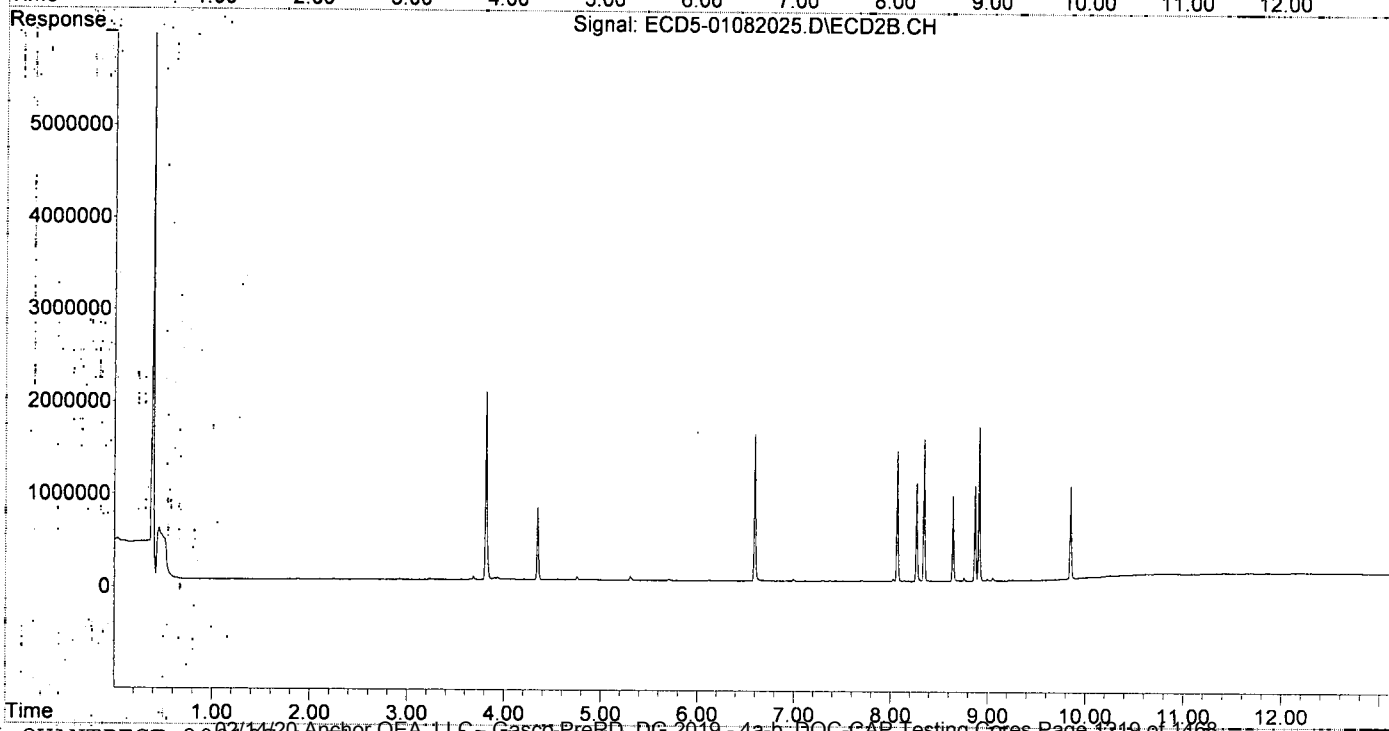
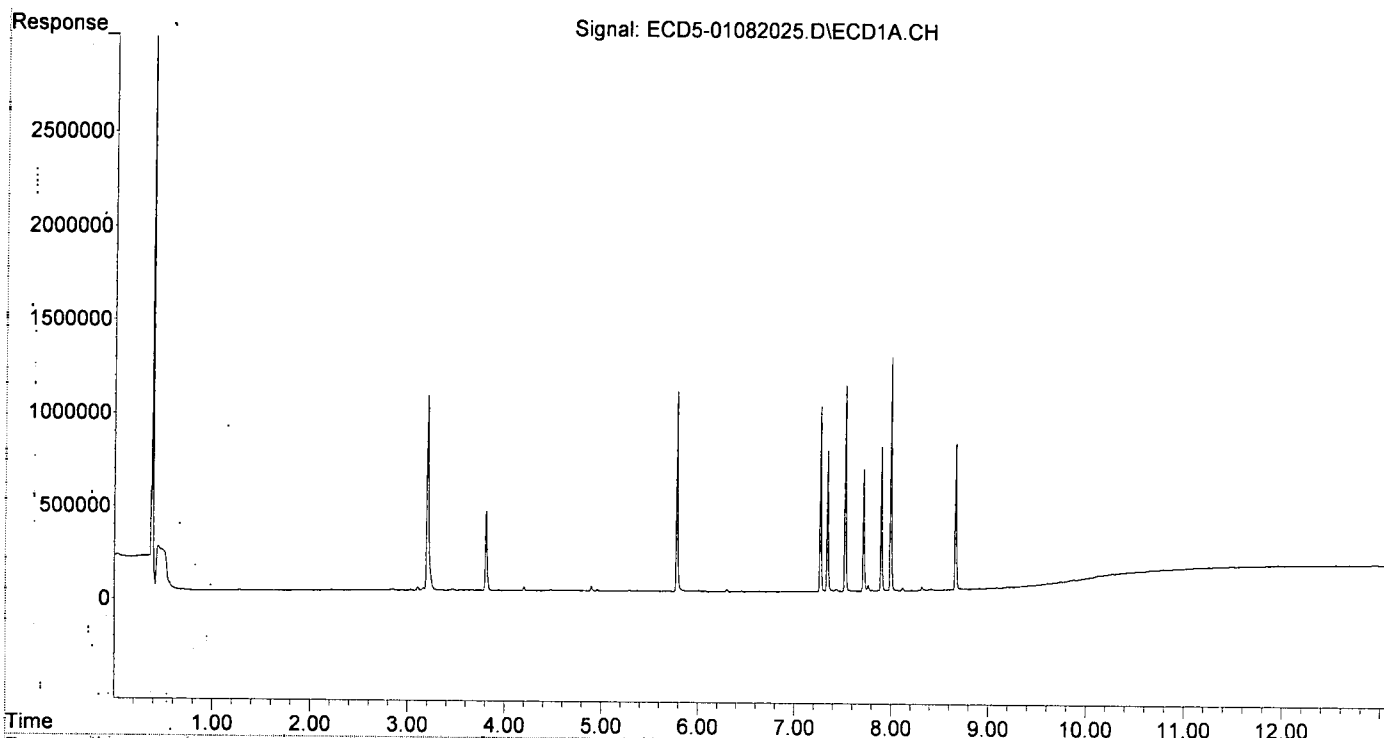
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds							
1) S TCMX (S)	5.374f	0.000	2937	0	0.015	N.D.	#
22) S DCBP (S)	9.607	10.740	8489	13065	8131.928	0.073	#
Target Compounds							
2) a-BHC	5.944	0.000	5372	0	0.020	N.D.	#
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4) b-BHC	6.300	0.000	15250	0	5931.847	N.D.	#
5) Heptachlor	6.637	0.000	3578	0	0.016	N.D.	#
6) d-BHC	6.451	7.372	5501	7862	0.025	0.081	#
7) Aldrin	0.000	7.704	0	12874	N.D.	0.039	#
8) Heptachlo...	7.342	8.141	750391	8611	3.640	0.028	#
9) trans-Chl...	7.437	8.269	11992	1064459	0.057	3.414	#
10) cis-Chlor...	7.526	8.387	1102633	7682	5.388	0.026	#
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	8.643	0	924181	N.D.	2.992	#
14) Endrin	7.996f	8.870	1247247	1030344	7.209	4.385	
15) 4,4'-DDD	7.996	8.913	1247247	1678168	7.224	6.827	
16) Endosulfa...	8.118	8.998f	16102	20216	0.094	0.083	
17) 4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18) Endrin Al...	8.414	9.256	6990	8524	0.046	0.038	
19) Endosulfa...	8.715	9.447	7222	6140	0.045	0.028	
20) Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21) Endrin Ke...	8.911	9.850	3719	1002877	0.019	4.005	#
23) Hexachlor...	3.204	3.812	1045541	2029333	5.242	5.064	#
24) Hexachlor...	5.783	6.595	1068601	1591805	5.391	4.973	#
25) Oxychlordane	7.269	8.069	992877	1413459	5.489	5.054	#
26) 2,4'-DDE	7.342	8.269	750391	1064459	5.263	5.055	#
27) trans-Non...	7.526	8.345	1102633	1536268	5.403	4.996	#
28) 2,4'-DDD	7.715	8.643	654513	924181	5.144	5.011	#
29) 2,4'-DDT	7.899	8.870	769647	1030344	5.254	5.443	#
30) cis-Nonac...	7.996	8.913	1247247	1678168	5.292	4.919	#
31) Mirex	8.666	9.850	779540	1002877	5.538	5.510	#
32) Chlordane...	7.437	8.269	11992	1064459	0.511	27.366	#
33) Chlordane...	7.526	8.387	1102633	7682	38.258	0.239	#
34) Chlordane...	8.118f	9.052	16102	32317	2.117	3.044	#
35) Chlordane...	3.808	3.812	428028	2029333	NoCal	NoCal	
36) Toxaphene...	7.526	8.643f	1102633	924181	1046.915	341.744	#
37) Toxaphene...	0.000	8.998f	0	20216	N.D.	5.805	#
38) Toxaphene...	8.118	8.998	16102	20216	BelowCal	BelowCal	
39) Toxaphene...	8.318f	9.052f	18822	32317	4.659	3.581	
40) Toxaphene...	0.000	9.256	0	8524	N.D.	1.697	#
41) Toxaphene...	8.666	0.000	779540	0	179.520	N.D.	#
42) Toxaphene...	3.808	3.812	428028	2029333	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq:On : 08 Jan 2020 18:51
Operator : MJB
Sample : 0A08041-CALD
Misc : A19K265, 9-42 5 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: Jan 09 11:29:37 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082026.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 19:08
 Operator: MJB
 Sample: 0A08041-CALE
 Misc: A19K266, 9-42 10 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: Jan 09 11:29:53 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJP
1/9/20

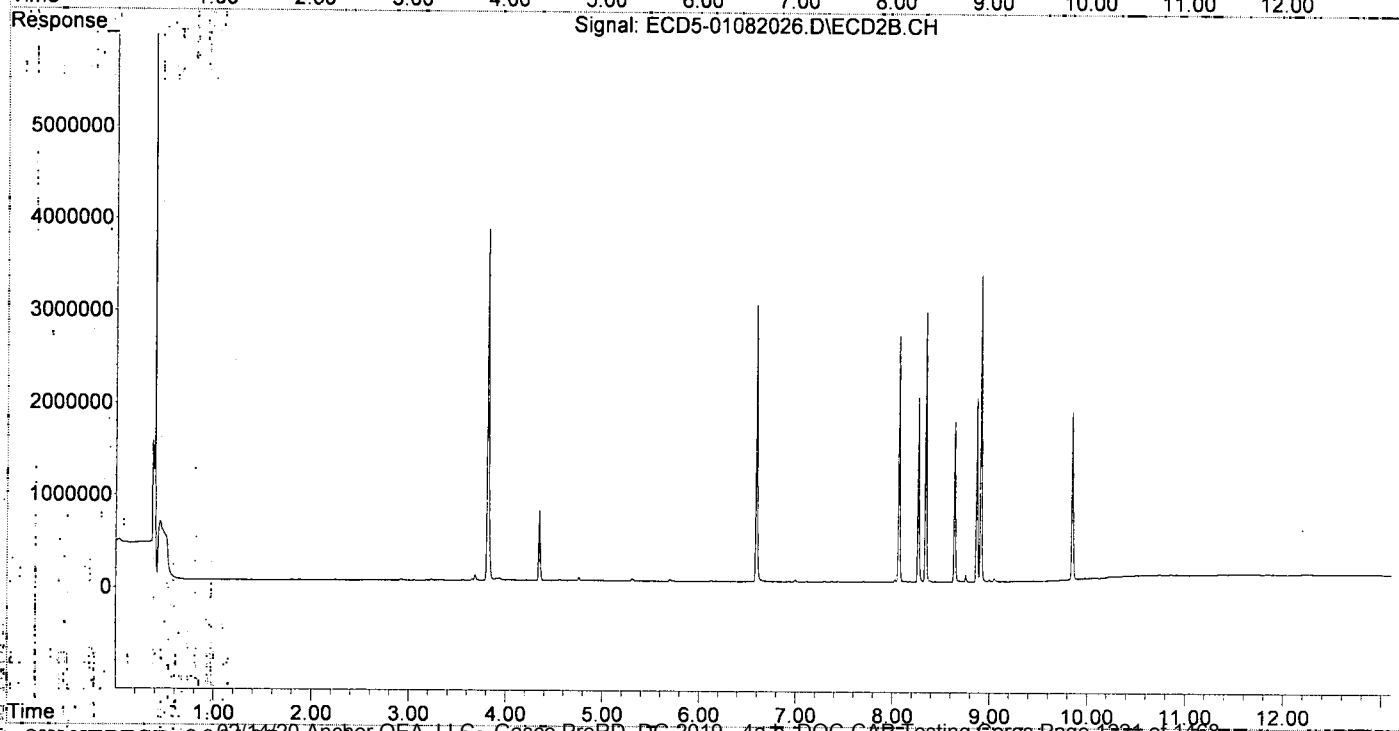
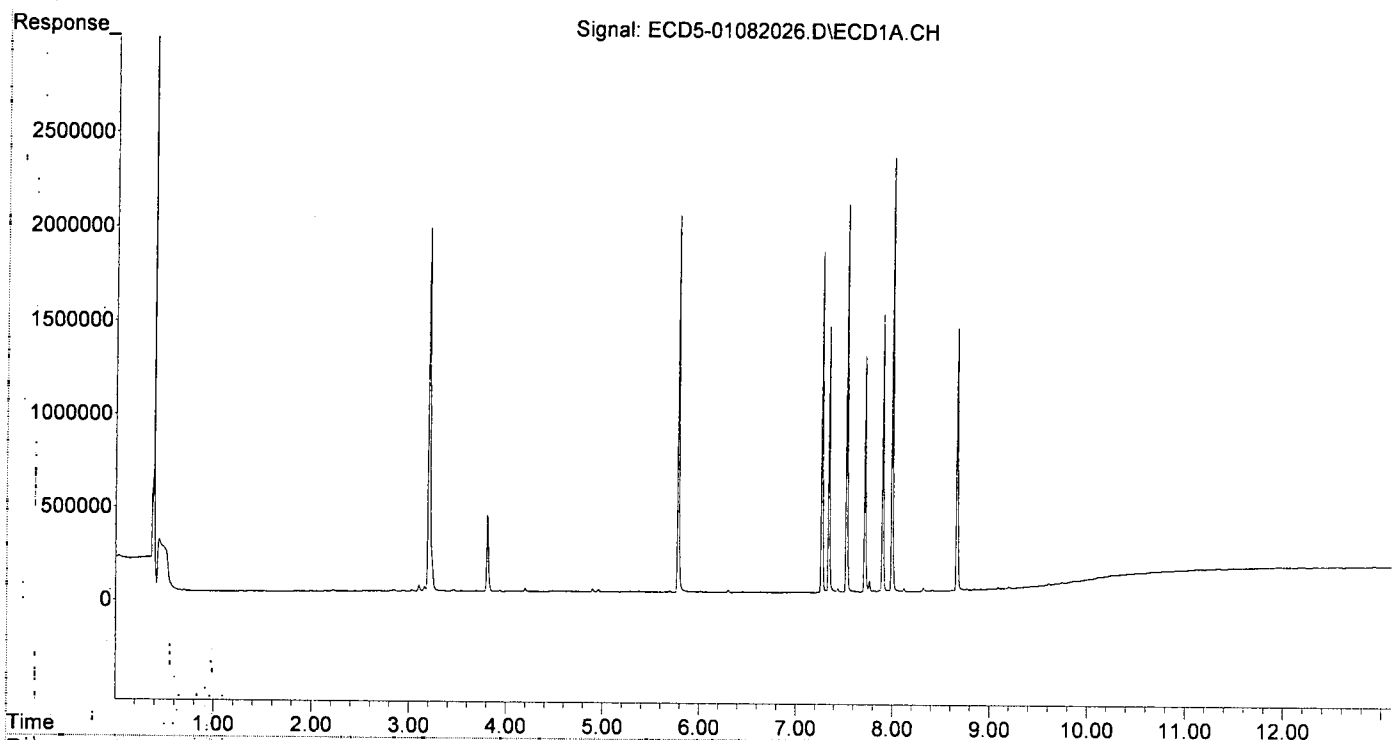
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.374f	6.123	4995	9213	0.026	0.031
22)	S DCBP (S)	9.608	10.738	14339	10091	8131.889	0.057 #
Target Compounds							
2)	a-BHC	5.947	0.000	5246	0	0.020	N.D. #
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	6.301	0.000	13900	0	5931.860	N.D. #
5)	Heptachlor	6.637	0.000	3836	0	0.017	N.D. #
6)	d-BHC	6.451	7.371	4222	6789	0.019	0.078 #
7)	Aldrin	0.000	7.703	0	7202	N.D.	0.022 #
8)	Heptachlo...	7.342	8.138	1426392	11026	6.919	0.036 #
9)	trans-Chl...	7.436	8.268	20121	2004027	0.095	6.427 #
10)	cis-Chlor...	7.525	8.386	2076481	12938	10.148	0.044 #
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	7.805	8.642	7225	1737598	0.034	5.625 #
14)	Endrin	7.961	8.870	6678	1992196	0.039	8.479 #
15)	4,4'-DDD	7.995f	8.912	2325112	3312382	13.467	13.476
16)	Endosulfa...	8.119	8.997f	16894	20873	0.099	0.085
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin Al...	8.414	9.255	5403	6201	0.035	0.028
19)	Endosulfa...	0.000	9.447	0	4463	N.D.	0.020 #
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21)	Endrin Ke...	8.910	9.849	3444	1814573	0.018	7.246 #
23)	Hexachlor...	3.204	3.812	1945769	3803037	9.756	9.490
24)	Hexachlor...	5.782	6.594	2009121	3000124	10.273	9.372
25)	Oxychlorthane	7.269	8.069	1829348	2670941	10.279	9.550
26)	2,4'-DDE	7.342	8.268	1426392	2004027	10.003	9.516
27)	trans-Non...	7.525	8.344	2076481	2924036	10.309	9.509
28)	2,4'-DDD	7.715	8.642	1263326	1737598	9.929	9.421
29)	2,4'-DDT	7.898	8.870	1485096	1992196	10.139	10.523
30)	cis-Nonac...	7.995	8.912	2325112	3312382	9.865	9.710
31)	Mirex	8.665	9.849	1404908	1814573	10.185	10.135
32)	Chlordane...	7.436	8.268	20121	2004027	0.858	51.521 #
33)	Chlordane...	7.525	8.386	2076481	12938	72.048	0.403 #
34)	Chlordane...	8.119f	9.051	16894	32249	2.221	3.037
35)	Chlordane...	3.808	3.812	406071	3803037	NoCal	NoCal
36)	Toxaphene...	7.525	8.642f	2076481	1737598	1971.551	642.530 #
37)	Toxaphene...	7.805	8.997f	7225	20873	3.715	5.994 #
38)	Toxaphene...	8.119	8.997	16894	20873	BelowCal	0.118
39)	Toxaphene...	8.318f	9.051f	17636	32249	4.365	3.573
40)	Toxaphene...	0.000	9.255	0	6201	N.D.	1.235 #
41)	Toxaphene...	8.665	0.000	1404908	0	323.536	N.D. #
42)	Toxaphene...	3.808	3.812	406071	3803037	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:08
Operator : MJB
Sample : 0A08041-CALE
Misc : A19K266, 9-42 10 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: Jan 09 11:29:53 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082027.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 19:25
 Operator: MJB
 Sample: 0A08041-CALF
 Misc: A19J407, 9-42 25 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: Jan 09 11:30:07 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MB
 1/9/20

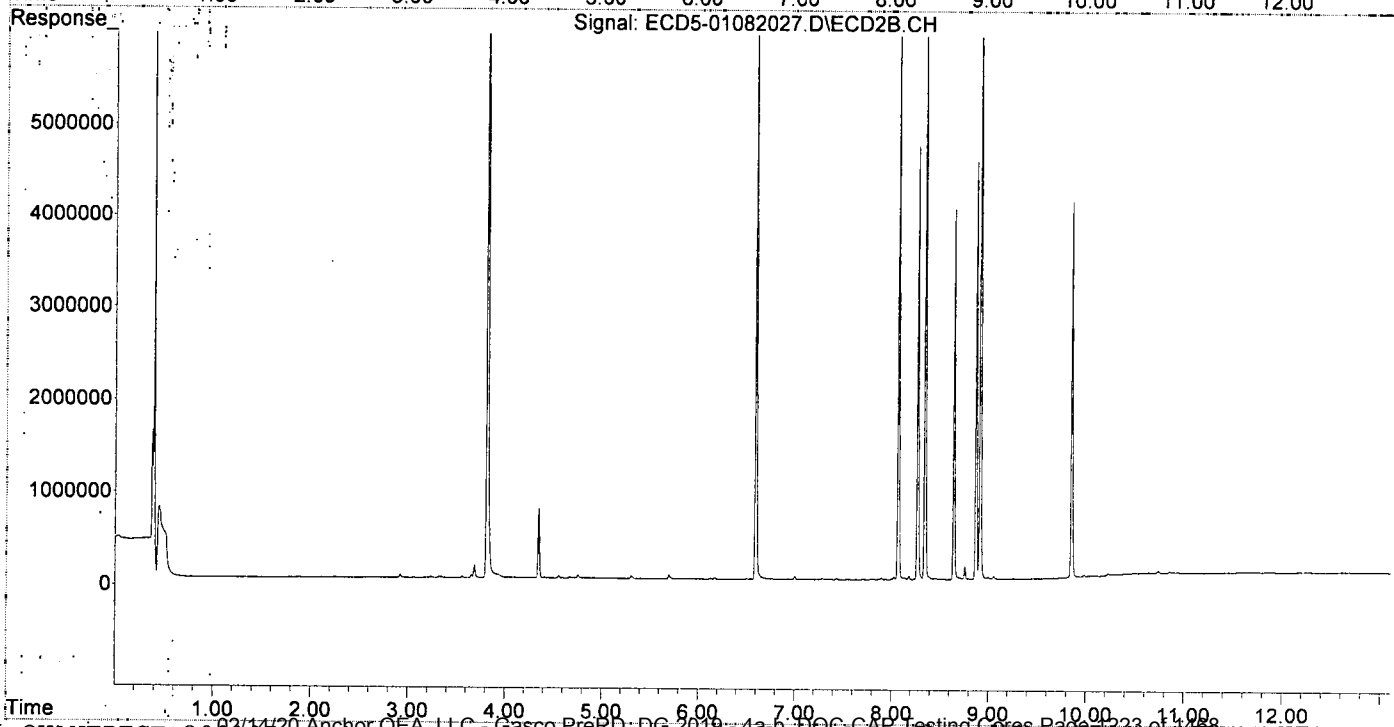
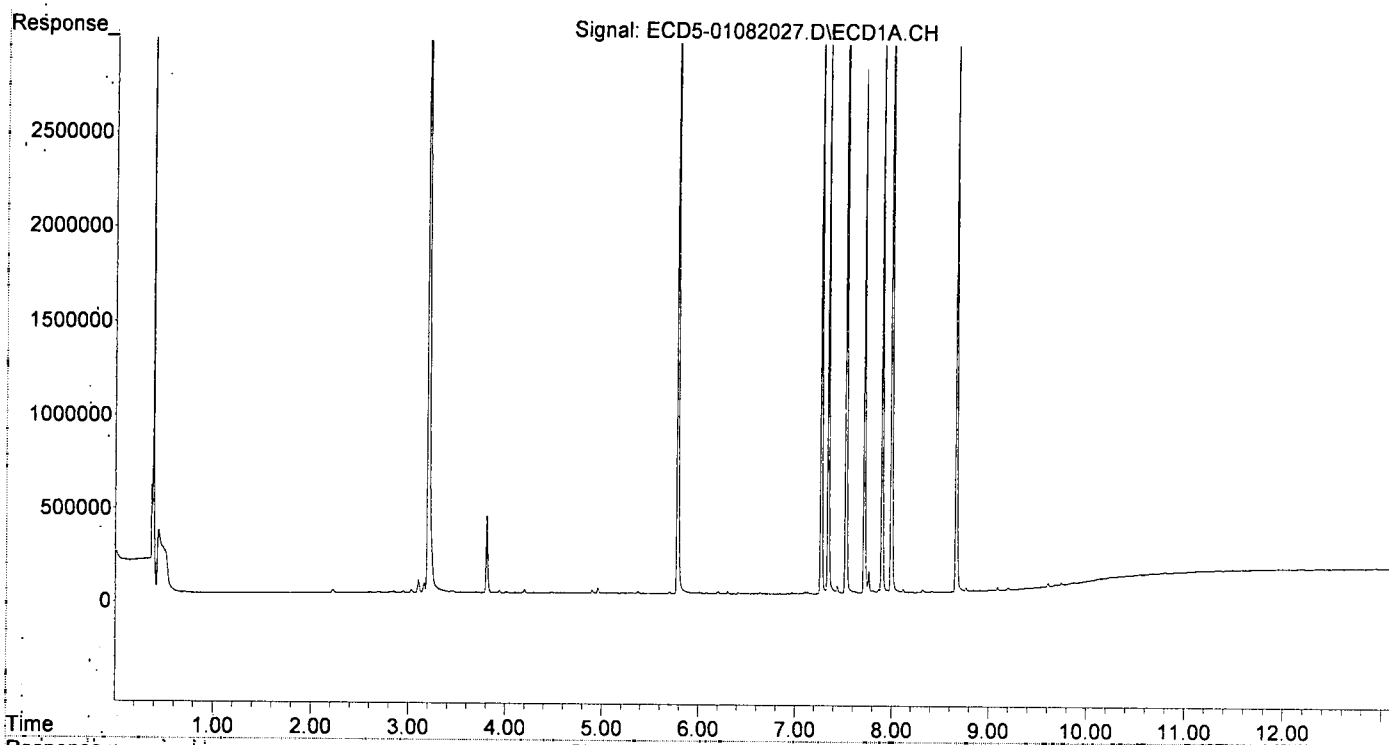
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds								
1)	S TCMX (S)	5.374f	6.125	10462	8629	0.054	0.029	#
22)	S DCBP (S)	9.608	10.738	23456	23405	0.001	0.132	#
Target Compounds								
2)	a-BHC	5.948	0.000	6445	0	0.024	N.D.	#
3)	g-BHC	6.202f	0.000	12426	0	0.053	N.D.	#
4)	b-BHC	6.301	0.000	12856	0	5931.871	N.D.	#
5)	Heptachlor	6.638	7.432	8641	12126	0.038	0.034	#
6)	d-BHC	6.415f	0.000	8269	0	0.038	N.D.	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	#
8)	Heptachlo...	7.342	8.138	3149574	20977	15.278	0.068	#
9)	trans-Chlor...	7.436	8.267	41169	4686277	0.195	15.028	#
10)	cis-Chlor...	7.525	0.000	4606719	0	22.513	N.D.	#
11)	Endosulfa...	0.000	8.444	0	6975	N.D.	0.025	#
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	#
13)	Dieldrin	7.805	8.642	15102	4001030	0.070	12.951	#
14)	Endrin	7.959	8.870	15860	4507962	0.092	19.186	#
15)	4,4'-DDD	7.996f	8.912	5230489	7616878	30.295	30.987	#
16)	Endosulfa...	8.119	8.998f	18600	21696	0.109	0.089	#
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	#
18)	Endrin Al...	8.414	0.000	4206	0	0.027	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...	8.910	9.850	3115	4062388	0.016	16.222	#
23)	Hexachlor...	3.204	3.812	4597497	9313071	23.051	23.240	#
24)	Hexachlor...	5.782	6.594	4493137	7094857	23.163	22.164	#
25)	Oxychlorane	7.269	8.068	4098780	6058612	23.246	21.662	#
26)	2,4'-DDE	7.342	8.267	3149574	4686277	22.088	22.253	#
27)	trans-Non...	7.525	8.344	4606719	6806494	23.035	22.136	#
28)	2,4'-DDD	7.714	8.642	2775117	4001030	21.811	21.693	#
29)	2,4'-DDT	7.898	8.870	3121710	4507962	21.312	23.390	#
30)	cis-Nonac...	7.996	8.912	5230489	7616878	22.192	22.328	#
31)	Mirex	8.665	9.850	3051838	4062388	22.456	22.710	#
32)	Chlordane...	7.436	8.267	41169	4686277	1.755	120.479	#
33)	Chlordane...	7.525	0.000	4606719	0	159.840	N.D.	#
34)	Chlordane...	8.119f	9.052	18600	29242	2.445	2.754	#
35)	Chlordane...	3.807	3.812	409963	9313071	NoCal	NoCal	#
36)	Toxaphene...	7.525	8.642f	4606719	4001030	4373.930	1479.503	#
37)	Toxaphene...	7.805	8.998f	15102	21696	7.766	6.230	#
38)	Toxaphene...	8.119	8.998	18600	21696	0.290	0.279	#
39)	Toxaphene...	8.319f	9.052f	15632	29242	3.869	3.240	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	#
41)	Toxaphene...	8.665	0.000	3051838	0	702.806	N.D.	#
42)	Toxaphene...	3.807	3.812	409963	9313071	NoCal	NoCal	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:25
Operator : MJB
Sample : 0A08041-CALF
Misc : A19J407, 9-42 25 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: Jan 09 11:30:07 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 19:42
 Operator : MJB
 Sample : 0A08041-CALG
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:30:19 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/12/20

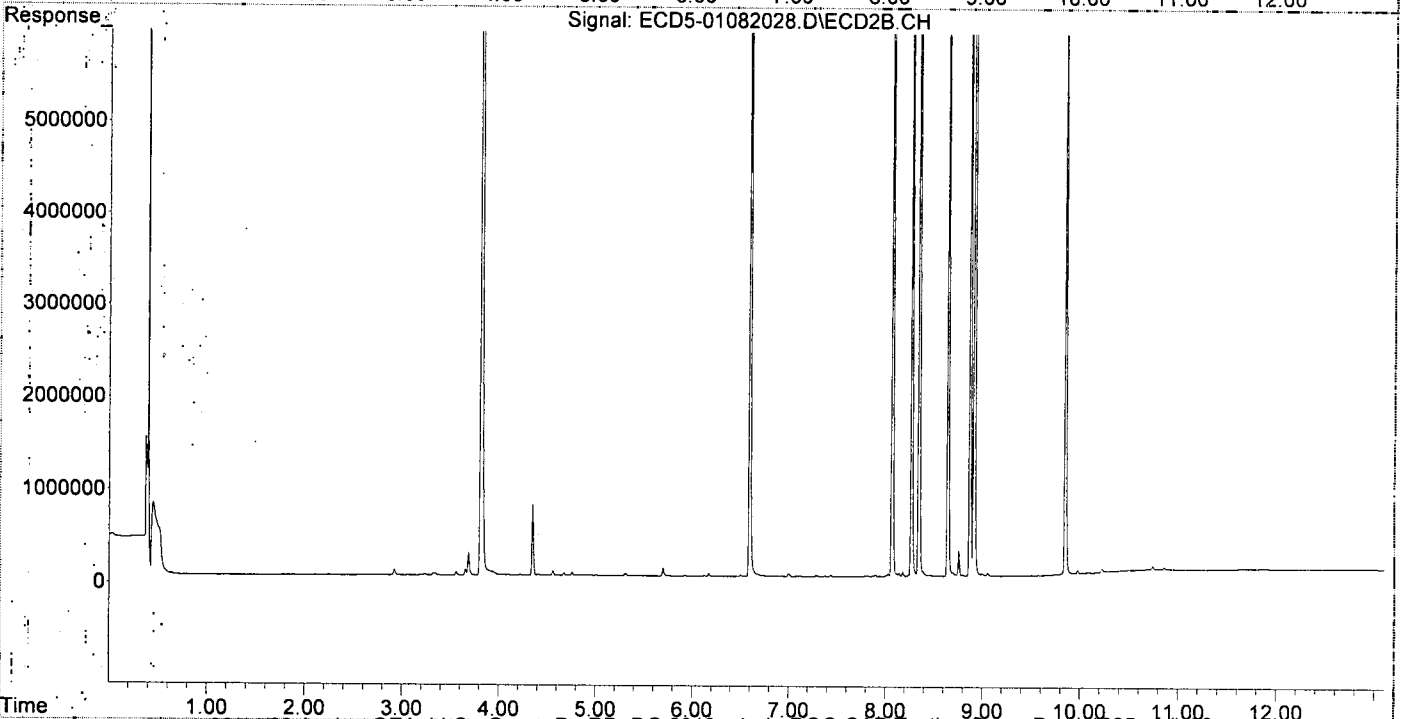
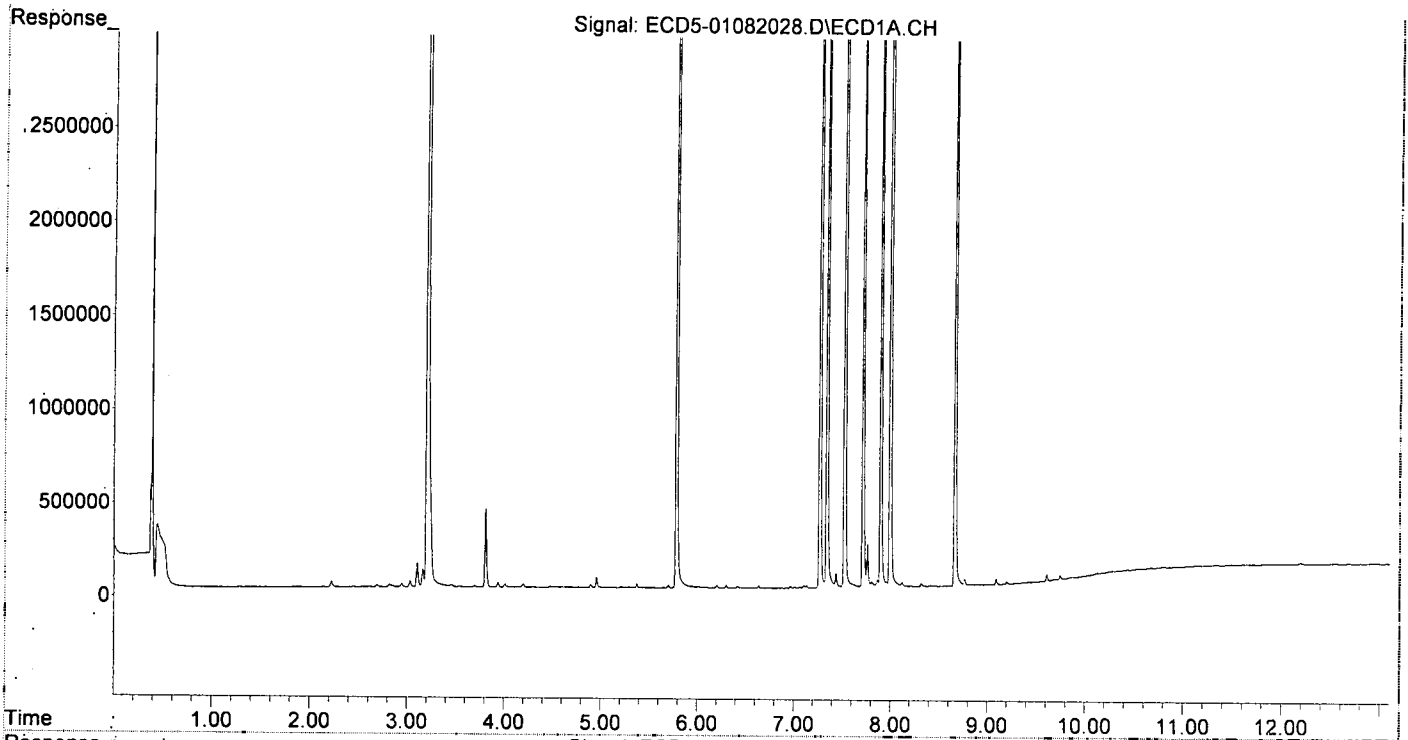
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.374f	6.124	20641	6974	0.106	0.023 #
22) S DCBP (S)	9.609	10.738	39867	38817	0.111	0.218 #
Target Compounds						
2) a-BHC	5.946	0.000	7578	0	0.029	N.D. #
3) g-BHC	6.202f	0.000	13753	0	0.059	N.D. #
4) b-BHC	6.299	0.000	14173	0	5931.857	N.D. #
5) Heptachlor	6.637	7.432	12261	19209	0.054	0.054 #
6) d-BHC	6.416f	0.000	9155	0	0.042	N.D. #
7) Aldrin	0.000	7.704	0	6969	N.D.	0.021 #
8) Heptachlo...	7.342	8.138	6308999	38602	30.603	0.125 #
9) trans-Chl...	7.436	8.268	77462	9671234	0.368	31.014 #
10) cis-Chlor...	7.525	8.386	9587997	47587	46.856	0.160 #
11) Endosulfa...	0.000	8.443	0	11810	N.D.	0.043 #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D. #
13) Dieldrin	7.805	8.643	28794	8525916	0.134	27.598 #
14) Endrin	7.996f	8.870	10691936	9539513	61.797	40.600 #
15) 4,4'-DDD	7.996f	8.913	10691936	16481609	61.927	67.051 #
16) Endosulfa...	8.119	8.997f	24089	27763	0.141	0.114 #
17) 4,4'-DDT	8.213	0.000	6279	0	0.038	N.D. #
18) Endrin Al...	8.416	9.221f	4513	5191	0.029	0.023 #
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...	8.910	9.849	3156	8711340	0.017	34.785 #
23) Hexachlor...	3.205	3.813	9074096	18914087	45.496	47.199 #
24) Hexachlor...	5.783	6.594	9072972	14722842	46.921	45.994 #
25) Oxychlorthane	7.269	8.069	8215656	12801082	46.664	45.768 #
26) 2,4'-DDE	7.342	8.268	6308999	9671234	44.245	45.924 #
27) trans-Non...	7.525	8.344	9587997	14237107	48.005	46.301 #
28) 2,4'-DDD	7.715	8.643	5793992	8525916	45.538	46.226 #
29) 2,4'-DDT	7.898	8.870	6696394	9539513	45.717	47.558 #
30) cis-Nonac...	7.996	8.913	10691936	16481609	45.363	48.313 #
31) Mirex	8.664	9.849	6228349	8711340	46.251	47.718 #
32) Chlordane...	7.436	8.268	77462	9671234	3.302	248.637 #
33) Chlordane...	7.525	8.386	9587997	47587	332.677	1.483 #
34) Chlordane...	8.119f	9.052	24089	31523	3.167	2.969 #
35) Chlordane...	3.808	3.813	418830	18914087	NoCal	NoCal #
36) Toxaphene...	7.525	8.643f	9587997	8525916	9103.492	3152.717 #
37) Toxaphene...	7.805	8.997f	28794	27763	14.807	7.972 #
38) Toxaphene...	8.119	8.997	24089	27763	1.604	1.465 #
39) Toxaphene...	8.319f	9.052	17295	31523	4.281	3.493 #
40) Toxaphene...	0.000	9.221f	0	5191	N.D.	1.034 #
41) Toxaphene...	8.664	0.000	6228349	0	1434.324	N.D. #
42) Toxaphene...	3.808	3.813	418830	18914087	NoCal	NoCal #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:42
Operator : MJB
Sample : 0A08041-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:30:19 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082029.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 19:59
 Operator : MJB
 Sample : 0A08041-CALH
 Misc : Al9J409, 9-42 100 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: Jan 09 11:30:31 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

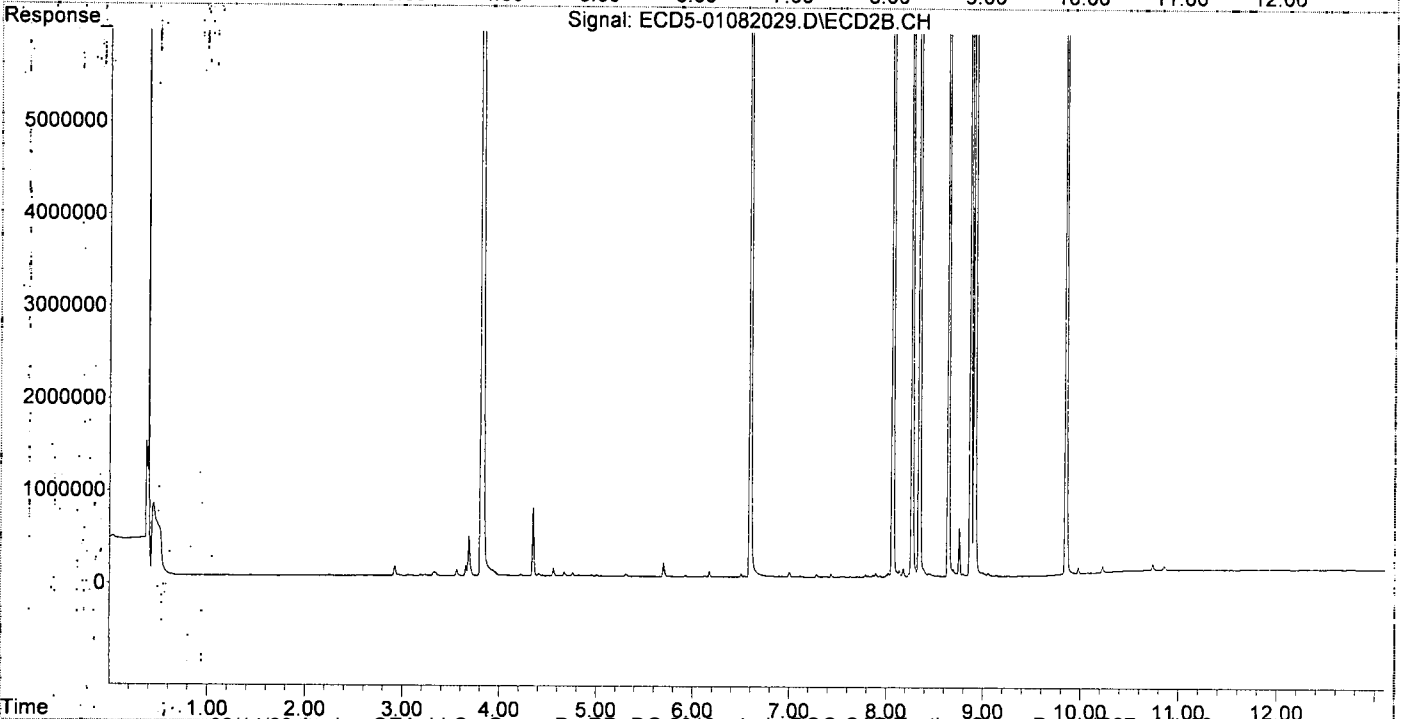
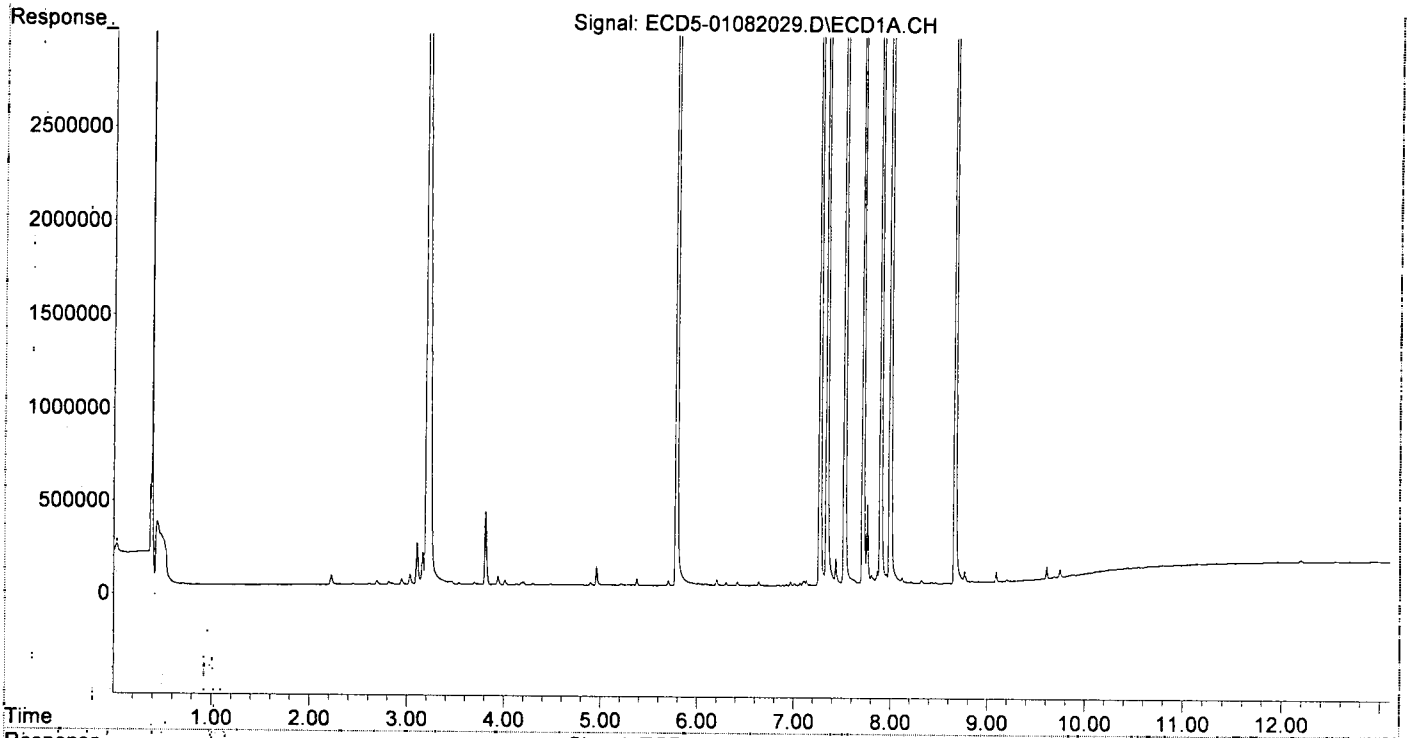
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.375f	6.126	36871	9637	0.189	0.032 #
22) S DCBP (S)	9.609	10.739	68331	65015	0.301	0.365
Target Compounds						
2) a-BHC	5.945	0.000	15235	0	0.058	N.D. #
3) g-BHC	6.202f	0.000	30660	0	0.131	N.D. #
4) b-BHC	6.299	7.114	16763	8201	0.004	0.051 #
5) Heptachlor	6.638	7.433	23176	34769	0.102	0.098
6) d-BHC	6.416f	7.376	19008	8415	0.087	0.083
7) Aldrin	6.844f	0.000	4416	0	0.020	N.D. #
8) Heptachlo...	7.342	8.138	12901574	70023	62.582	0.227 #
9) trans-Chl...	7.435	8.268	143863	20763038	0.683	66.584 #
10) cis-Chlor...	7.525	8.386	19039022	81301	93.042	0.274 #
11) Endosulfa...	0.000	8.444	0	21316	N.D.	0.077 #
12) 4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13) Dieldrin	7.804	8.643	53205	18437918	0.247	59.683 #
14) Endrin	7.957	8.871	55563	21210506	0.321	90.271 #
15) 4,4'-DDD	7.995f	8.914	21489716	34383242	124.467	139.879
16) Endosulfa...	8.121	9.053f	34413	34746	0.202	0.142
17) 4,4'-DDT	8.213	9.136	12645	11481	0.076	0.141 #
18) Endrin Al...	8.428	0.000	5960	0	0.039	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...	8.910	9.850	5090	18148608	0.027	72.469 #
23) Hexachlor...	3.206	3.815	17394566	38229851	87.214	95.401
24) Hexachlor...	5.784	6.596	18585378	32205210	96.231	100.609
25) Oxychlordane	7.268	8.069	16805225	27140079	95.096	97.035
26) 2,4'-DDE	7.342	8.268	12901574	20763038	90.479	98.594
27) trans-Non...	7.525	8.345	19039022	30738362	95.080	99.966
28) 2,4'-DDD	7.714	8.643	11692511	18437918	91.898	99.967
29) 2,4'-DDT	7.898	8.871	13018738	21210506	88.879	97.523
30) cis-Nonac...	7.995	8.914	21489716	34383242	91.176	100.789
31) Mirex	8.665	9.850	12402281	18148608	92.994	94.994
32) Chlordane...	7.435	8.268	143863	20763038	6.132	533.796 #
33) Chlordane...	7.525	8.386	19039022	81301	660.601	2.533 #
34) Chlordane...	0.000	9.053	0	34746	N.D.	3.272 #
35) Chlordane...	3.809	3.815	394443	38229851	NoCal	NoCal
36) Toxaphene...	7.525	8.643f	19039022	18437918	18076.933	6817.982 #
37) Toxaphene...	7.804	0.000	53205	0	27.360	N.D. #
38) Toxaphene...	8.121	0.000	34413	0	4.075	N.D. #
39) Toxaphene...	8.320f	9.053	17030	34746	4.215	3.850
40) Toxaphene...	0.000	0.000	0	0	N.D.	N.D.
41) Toxaphene...	8.665	0.000	12402281	0	2856.116	N.D. #
42) Toxaphene...	3.809	3.815	394443	38229851	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:59
Operator : MJB
Sample : 0A08041-CALH
Misc : A19J409, 9-42 100 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: Jan 09 11:30:31 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082033.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 21:07
 Operator: MJB
 Sample: 0A08041-CALJ
 Misc: A20A097, CHLOR 10 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: Jan 09 11:31:15 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

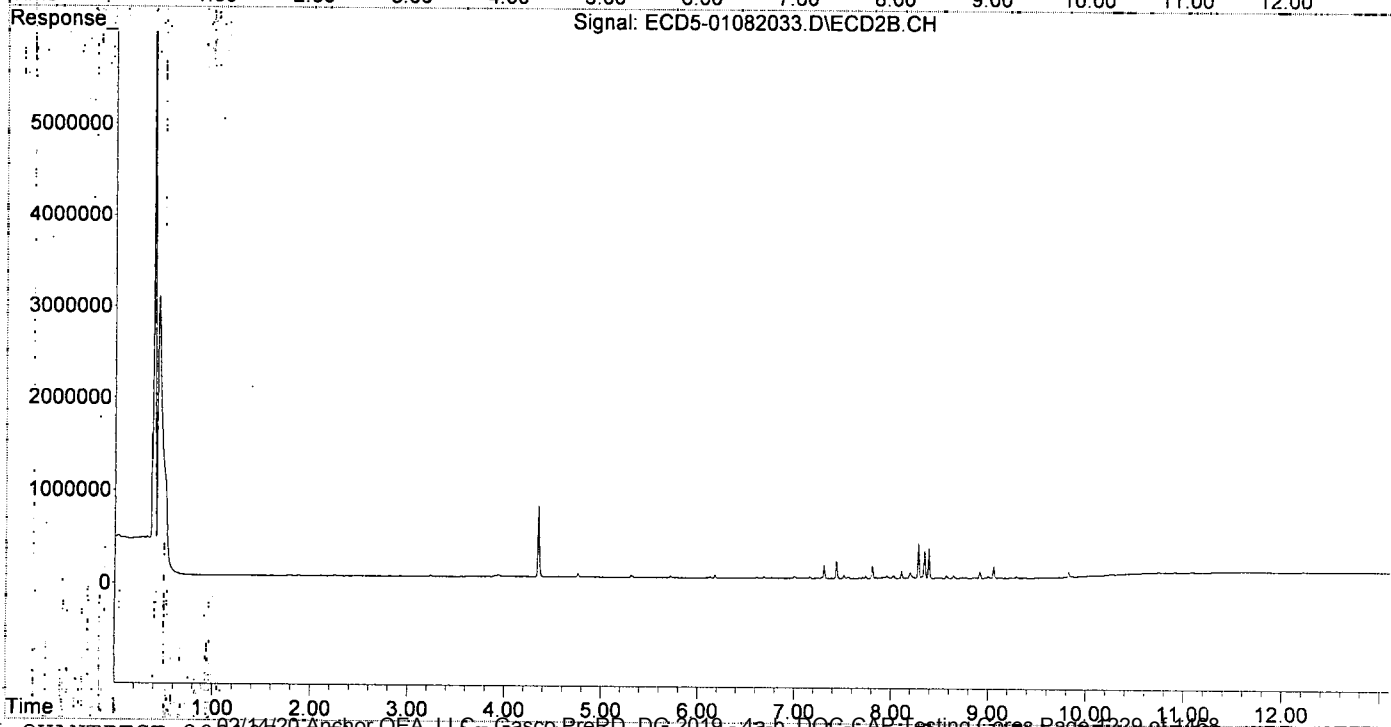
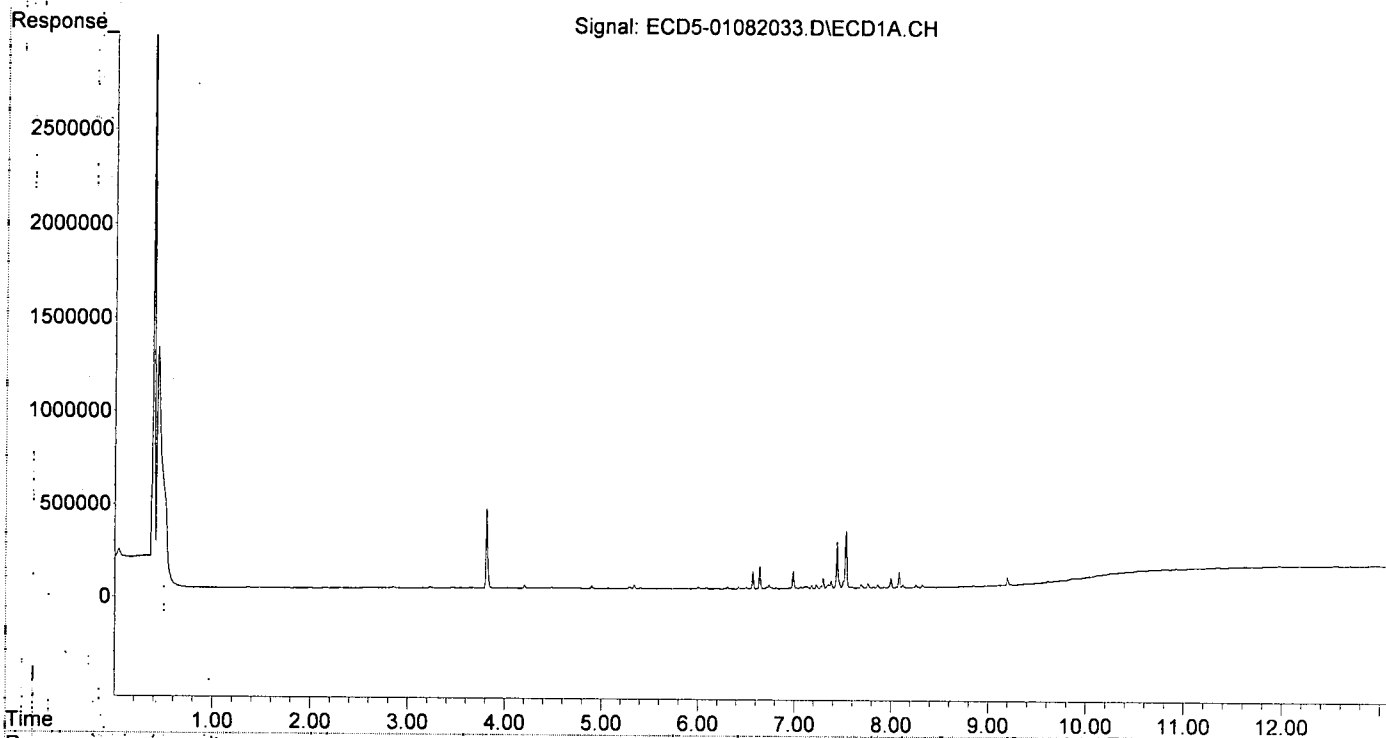
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.404	6.127	4841	11873	0.025	0.040 #
22)	S DCBP (S)	9.611	10.741	11801	10666	8131.906	0.060 #
Target Compounds							
2)	a-BHC	0.000	6.763f	0	10691	N.D.	0.026 #
3)	g-BHC	6.203f	0.000	3432	0	0.015	N.D. #
4)	b-BHC	6.304	0.000	12447	0	5931.875	N.D. #
5)	Heptachlor	6.640	7.435	123576	186844	0.544	0.527
6)	d-BHC	6.419f	0.000	10700	0	0.049	N.D. #
7)	Aldrin	0.000	7.706	0	13966	N.D.	0.042 #
8)	Heptachlo...	7.349	8.160	22127	10132	0.107	0.033 #
9)	trans-Chl...	7.440	8.283	252150	382772	1.197	1.227
10)	cis-Chlor...	7.533	8.391	308195	324236	1.506	1.093
11)	Endosulfa...	7.652f	0.000	6146	0	0.032	N.D. #
12)	4,4'-DDE	7.591	8.485	7975	9369	0.039	0.065 #
13)	Dieldrin	7.819	8.645	8636	31380	0.040	0.102 #
14)	Endrin	7.998f	8.871	54061	9389	0.312	0.040 #
15)	4,4'-DDD	7.998	8.915	54061	73029	0.313	0.297
16)	Endosulfa...	8.119	9.000f	15945	22484	0.093	0.092
17)	4,4'-DDT	0.000	9.124	0	6694	N.D.	0.118 #
18)	Endrin Al...	8.397	9.224f	4594	7159	0.030	0.032
19)	Endosulfa...	8.723	0.000	4481	0	0.028	N.D. #
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D. #
21)	Endrin Ke...	8.912	9.854	1498	7421	0.008	0.030 #
23)	Hexachlor...	3.227f	0.000	7661	0	0.038	N.D. #
24)	Hexachlor...	0.000	6.613	0	10091	N.D.	0.032 #
25)	Oxychlorane	7.295f	8.109f	57202	84109	0.124	0.301 #
26)	2,4'-DDE	7.349	8.283	22127	382772	0.155	1.818 #
27)	trans-Non...	7.533	8.346	308195	298005	1.398	0.969
28)	2,4'-DDD	7.688f	8.645	21088	31380	0.166	0.170
29)	2,4'-DDT	7.928f	8.871	5806	9389	0.040	BelowCal #
30)	cis-Nonac...	7.998	8.915	54061	73029	0.229	0.214
31)	Mirex	8.670	9.854	1261	7421	6723.038	BelowCal #
32)	Chlordane...	7.440	8.283	252150	382772	10.747	9.841
33)	Chlordane...	7.533	8.391	308195	324236	10.694	10.101
34)	Chlordane...	8.082	9.059	86683	125739	11.394	11.842
35)	Chlordane...	3.811	0.000	423556	0	NoCal	N.D.
36)	Toxaphene...	7.533f	8.645f	308195	31380	292.621	11.604 #
37)	Toxaphene...	7.819	8.970	8636	11029	4.441	3.167
38)	Toxaphene...	8.119	9.000	15945	22484	BelowCal	0.433
39)	Toxaphene...	8.360	9.059	4471	125739	1.107	13.931 #
40)	Toxaphene...	0.000	9.224f	0	7159	N.D.	1.426 #
41)	Toxaphene...	8.670	0.000	1261	0	0.290	N.D. #
42)	Toxaphene...	3.811	0.000	423556	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:07
Operator : MJB
Sample : 0A08041-CALJ
Misc : A20A097, CHLOR 10 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: Jan 09 11:31:15 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082034.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 21:25
 Operator: MJB
 Sample: 0A08041-CALK
 Misc: A19K307, CHLOR 50 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: Jan.09 11:31:33 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration.
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

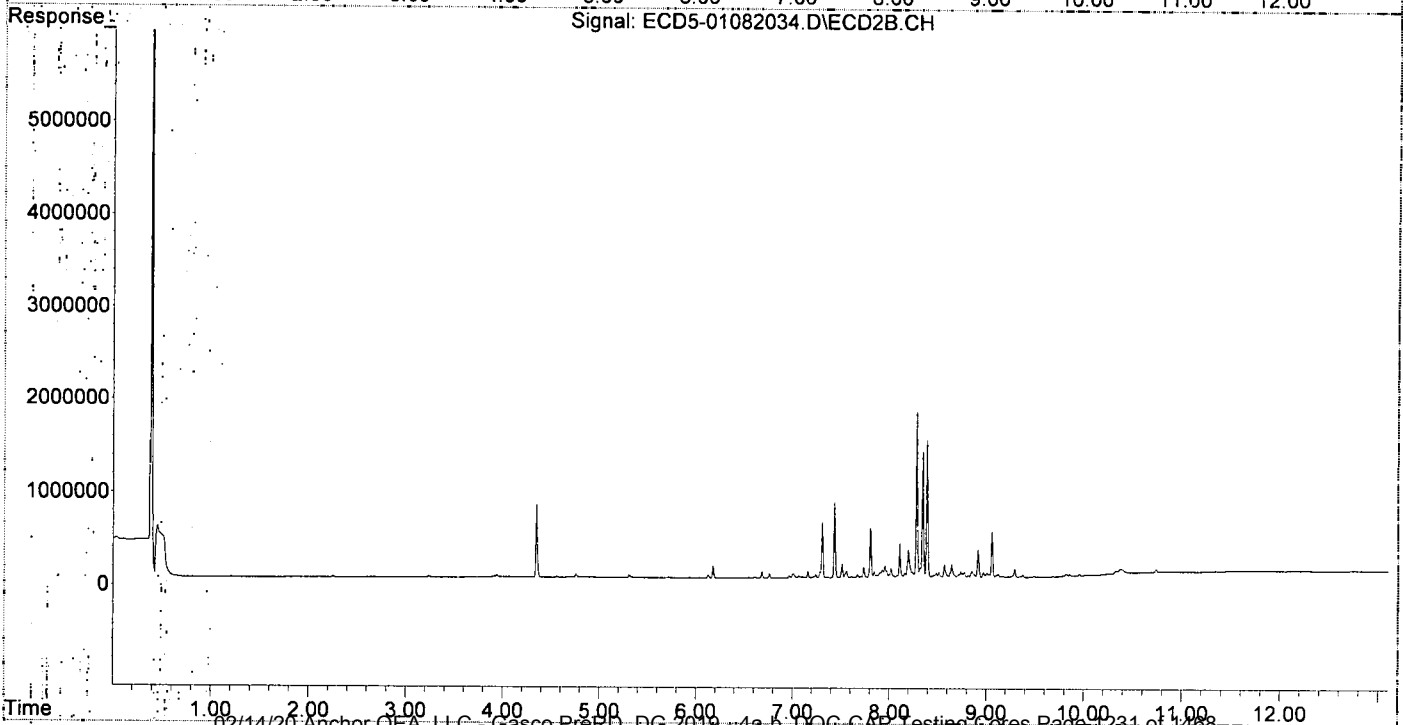
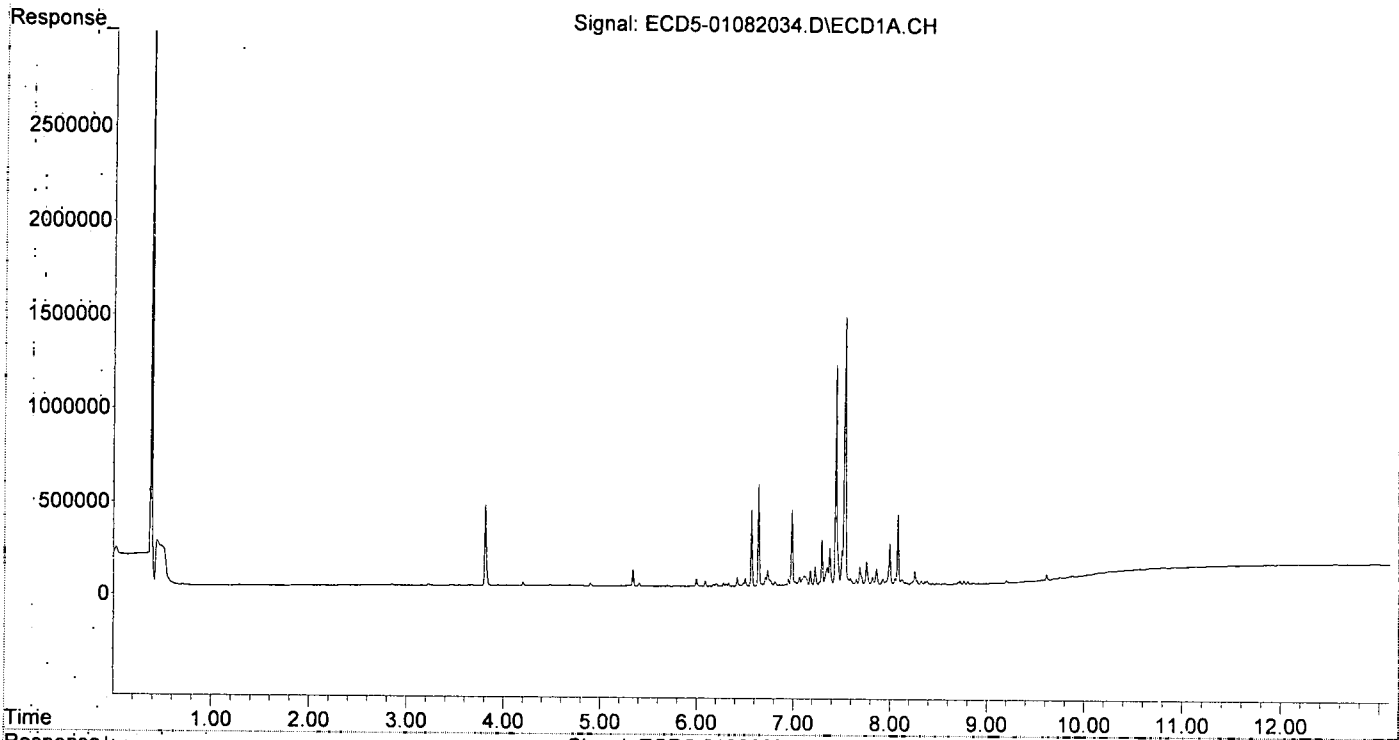
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.125	16846	31854	0.086	0.107
22) S DCBP (S)	9.609	10.739	30071	34846	0.045	0.196 #
Target Compounds						
2) a-BHC	0.000	6.761f	0	46153	N.D.	0.112 #
3) g-BHC	6.202f	7.063	16156	23098	0.069	0.063
4) b-BHC	6.302	7.103	13789	14465	5931.861	0.090 #
5) Heptachlor	6.639	7.433	547595	815015	2.410	2.299
6) d-BHC	6.418f	0.000	47233	0	0.217	N.D. #
7) Aldrin	6.884	7.704	6880	19621	0.031	0.059 #
8) Heptachlo...	7.349	8.160	98755	50612	0.479	0.164 #
9) trans-Chl...	7.438	8.282	1178611	1787106	5.593	5.731
10) cis-Chlor...	7.531	8.389	1443194	1486141	7.053	5.010
11) Endosulfa...	7.651	0.000	33000	0	0.170	N.D. #
12) 4,4'-DDE	7.589	8.484	38759	50237	0.188	0.206
13) Dieldrin	7.818	8.644	43688	142008	0.203	0.460 #
14) Endrin	7.996f	8.869	222422	44284	1.286	0.188 #
15) 4,4'-DDD	7.996	8.915	222422	302390	1.288	1.230
16) Endosulfa...	8.126	9.029	26665	34319	0.156	0.140
17) 4,4'-DDT	8.255f	9.122	75087	36318	0.453	0.255 #
18) Endrin Al...	8.440f	9.228f	7918	10030	0.052	0.045
19) Endosulfa...	8.722	9.482f	18852	7895	0.118	0.036 #
20) Methoxychlor	8.540	0.000	6140	0	0.071	N.D. #
21) Endrin, Ke...	8.909	9.854	3630	20411	0.019	0.082 #
23) Hexachlor...	3.225f	0.000	9175	0	0.046	N.D. #
24) Hexachlor...	0.000	6.610	0	10604	N.D.	0.033 #
25) Oxychlordane	7.294f	8.083	245741	26609	1.206	0.095 #
26) 2,4'-DDE	7.349	8.282	98755	1787106	0.693	8.486 #
27) trans-Non...	7.531	8.345	1443194	1362209	7.119	4.430
28) 2,4'-DDD	7.686f	8.644	98756	142008	0.776	0.770
29) 2,4'-DDT	7.926f	8.869	32686	44284	0.223	0.136
30) cis-Nonac...	7.996	8.915	222422	302390	0.944	0.886
31) Mirex	8.660	9.854	2950	20411	6723.026	BelowCal #
32) Chlordane...	7.438	8.282	1178611	1787106	50.236	45.945
33) Chlordane...	7.531	8.389	1443194	1486141	50.075	46.300
34) Chlordane...	8.080	9.057	377844	498592	49.667	46.958
35) Chlordane...	3.810	0.000	433481	0	NoCal	N.D.
36) Toxaphene...	7.531f	8.644f	1443194	142008	1370.266	52.512 #
37) Toxaphene...	7.818	8.969	43688	53529	22.465	15.371
38) Toxaphene...	8.126	9.007	26665	46017	2.220	5.031 #
39) Toxaphene...	8.360	9.057	16865	498592	4.174	55.241 #
40) Toxaphene...	8.566f	9.228f	6969	10030	2.120	1.997
41) Toxaphene...	8.660	0.000	2950	0	0.679	N.D. #
42) Toxaphene...	3.810	0.000	433481	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:25
Operator : MJB
Sample : 0A08041-CALK
Misc : A19K307, CHLOR 50 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: Jan 09 11:31:33 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082035.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 21:42
 Operator : MJB
 Sample : 0A08041-CALL
 Misc : A19K308, CHLOR 100 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: Jan 09 11:31:44 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

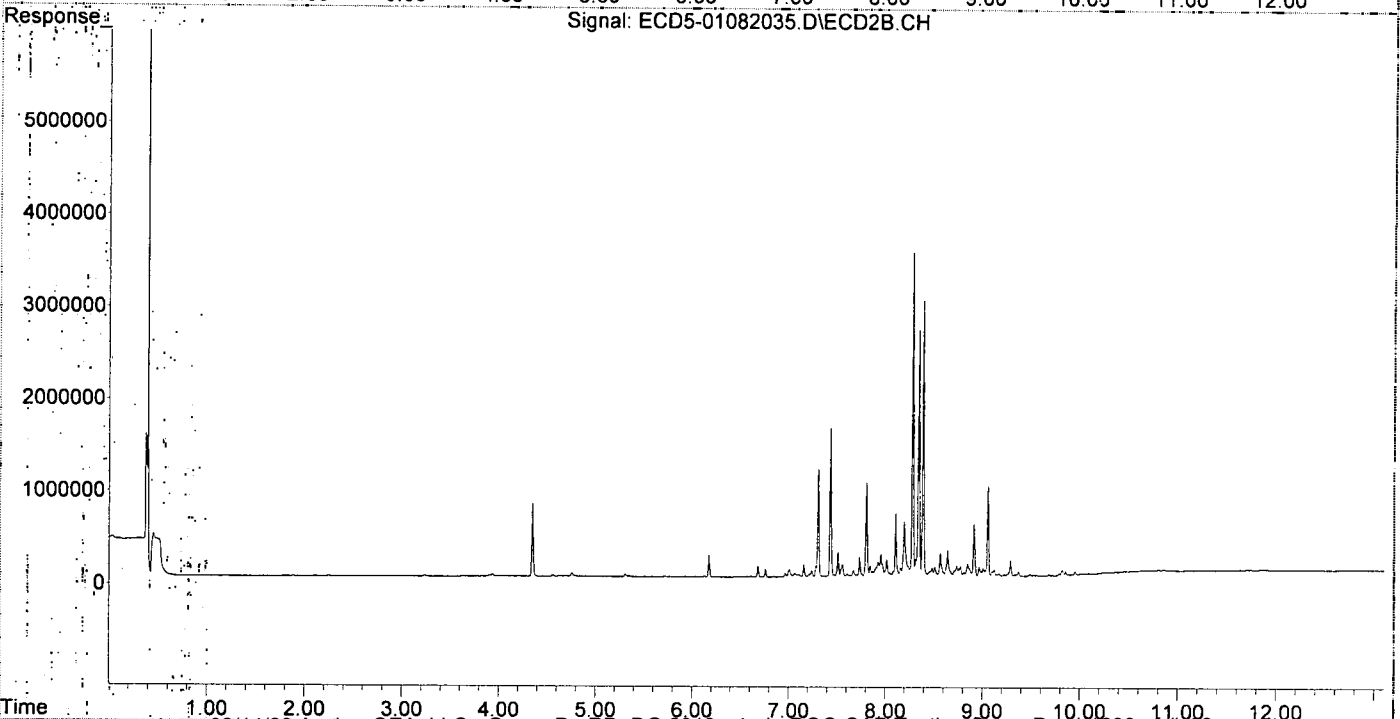
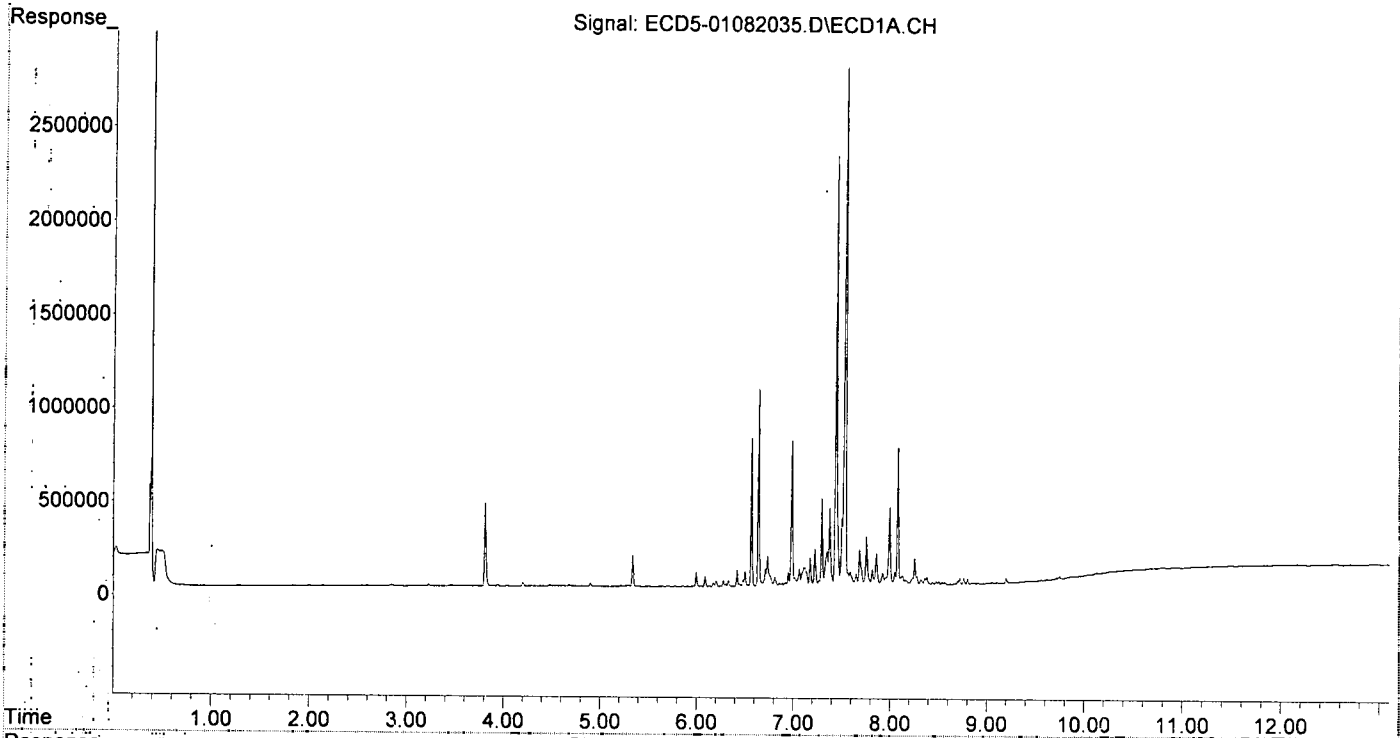
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	6.126	0	10378	N.D.	0.035 #
22)	S DCBP (S)	9.620	0.000	8934	0	8131.925	N.D. #
Target Compounds							
2)	a-BHC	0.000	6.761f	0	83361	N.D.	0.202 #
3)	g-BHC	6.202f	7.064	30271	40761	0.130	0.112
4)	b-BHC	6.301	7.103	14589	22227	5931.853	0.138 #
5)	Heptachlor	6.640	7.433	1054122	1603167	4.639	4.522
6)	d-BHC	6.418f	0.000	89774	0	0.412	N.D. #
7)	Aldrin	6.884	7.704	15310	17715	0.069	0.053
8)	Heptachlo...	7.348	8.159	183542	95220	0.890	0.309 #
9)	trans-Chl...	7.439	8.282	2294923	3516336	10.891	11.276
10)	cis-Chlor...	7.531	8.389	2780199	2986956	13.587	10.069
11)	Endosulfa...	7.651	8.465f	63879	54433	0.330	0.196 #
12)	4,4'-DDE	7.589	8.484	73125	89822	0.355	0.342
13)	Dieldrin	7.818	8.644	84602	279889	0.393	0.906 #
14)	Endrin	7.997f	8.852f	416132	134340	2.405	0.572 #
15)	4,4'-DDD	7.997	8.915	416132	563461	2.410	2.292
16)	Endosulfa...	8.129	9.030	50553	64805	0.296	0.265
17)	4,4'-DDT	8.255f	9.122	143744	66621	0.868	0.394 #
18)	Endrin Al...	8.441f	9.228f	14674	16834	0.096	0.075
19)	Endosulfa...	8.722	9.481f	32787	16109	0.205	0.073 #
20)	Methoxychlor	8.540	0.000	12166	0	0.140	N.D. #
21)	Endrin Ke...	8.907	9.854	4348	33600	0.023	0.134 #
23)	Hexachlor...	3.226f	0.000	8426	0	0.042	N.D. #
24)	Hexachlor...	0.000	6.611	0	10145	N.D.	0.032 #
25)	Oxychlorthane	7.294f	8.084	465241	51277	2.465	0.183 #
26)	2,4'-DDE	7.348	8.282	183542	3516336	1.287	16.697 #
27)	trans-Non...	7.531	8.345	2780199	2671207	13.851	8.687
28)	2,4'-DDD	7.686f	8.644	190161	279889	1.495	1.518
29)	2,4'-DDT	7.926f	8.852	65453	134340	0.447	0.625
30)	cis-Nonac...	7.997	8.915	416132	563461	1.766	1.652
31)	Mirex	8.624f	9.854	3462	33600	6723.022	BelowCal #
32)	Chlordane...	7.439	8.282	2294923	3516336	97.816	90.401 #
33)	Chlordane...	7.531	8.389	2780199	2986956	96.465	93.058 #
34)	Chlordane...	8.080	9.058	729916	972427	95.946	91.585 #
35)	Chlordane...	3.810	0.000	439554	0	NoCal	N.D. #
36)	Toxaphene...	7.531f	8.644f	2780199	279889	2639.709	103.498 #
37)	Toxaphene...	7.818	8.970	84602	99401	43.504	28.543
38)	Toxaphene...	8.129	9.008	50553	82791	7.936	12.210 #
39)	Toxaphene...	8.360	9.058	34008	972427	8.418	107.740 #
40)	Toxaphene...	8.566f	9.228f	12931	16834	3.933	3.352
41)	Toxaphene...	8.624f	0.000	3462	0	0.797	N.D. #
42)	Toxaphene...	3.810	0.000	439554	0	NoCal	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:42
Operator : MJB
Sample : 0A08041-CALL
Misc : A19K308, CHLOR 100 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: Jan 09 11:31:44 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082036.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 21:59
 Operator: MJB
 Sample: 0A08041-CALM
 Misc: A19K309, CHLOR 200 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: Jan 09 11:31:56 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

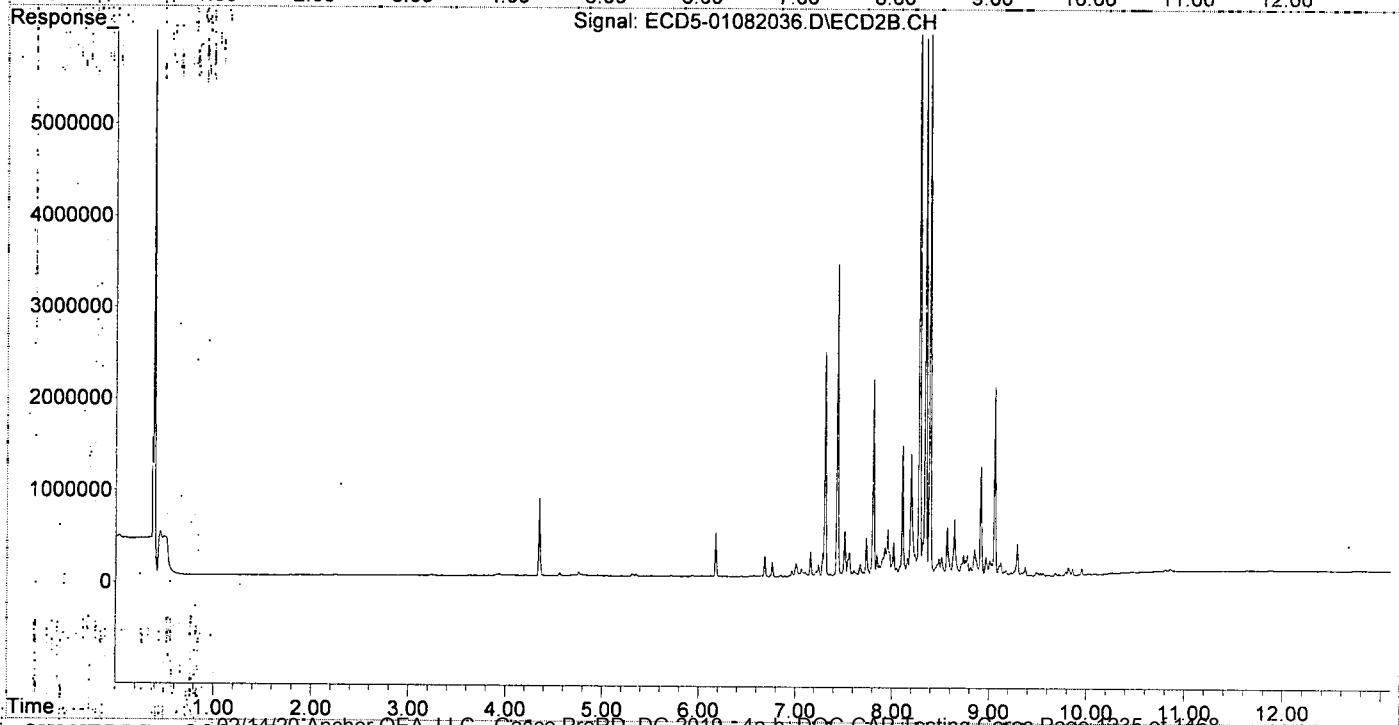
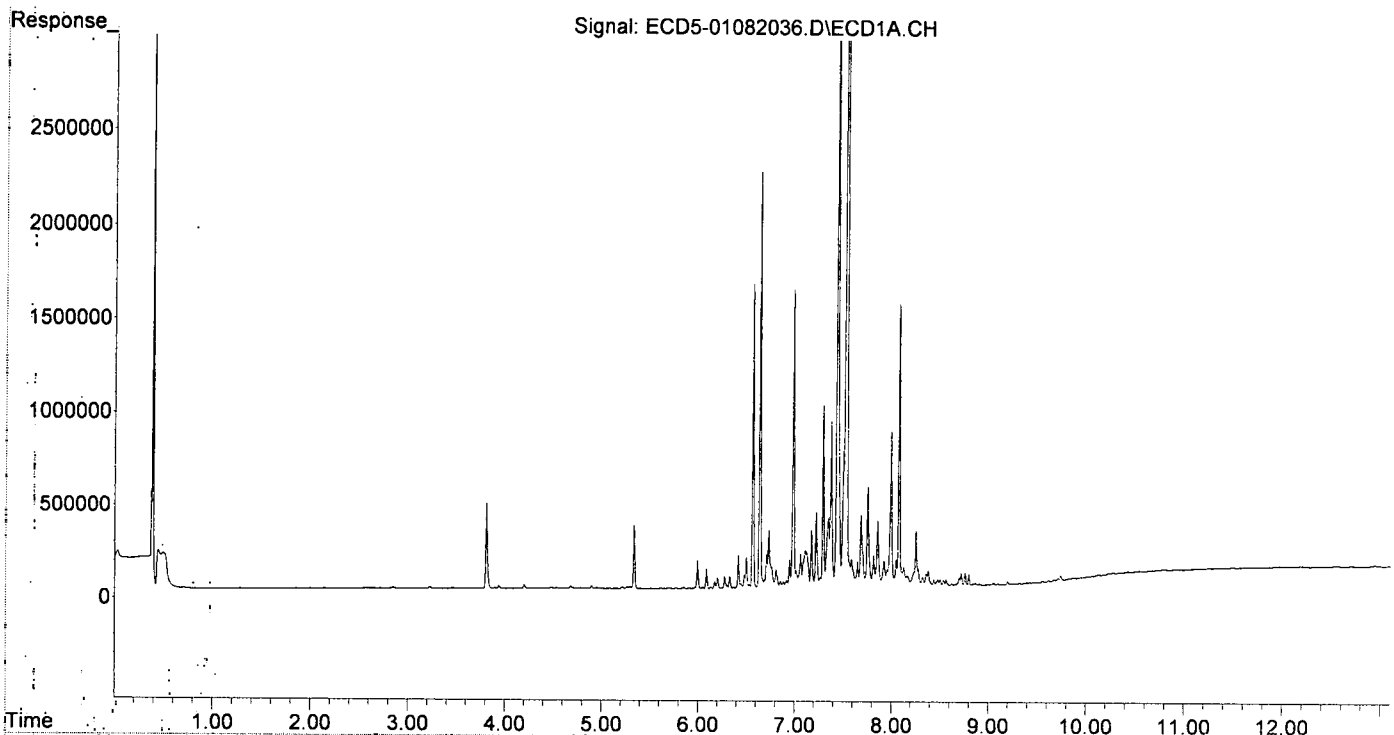
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.124	0	8765	N.D.	0.029 #
22) S DCBP (S)	9.620	10.756	12919	2318	8131.899	0.013 #
Target Compounds						
2) a-BHC	5.911f	6.762f	5081	159887	0.019	0.387 #
3) g-BHC	6.201f	7.064	56389	85762	0.241	0.235 #
4) b-BHC	6.329f	7.102	65167	46832	0.497	0.291 #
5) Heptachlor	6.639	7.433	2226004	3388584	9.796	9.559 #
6) d-BHC	6.418f	7.362	178418	27894	0.819	0.141 #
7) Aldrin	6.884	7.704	31975	48695	0.145	0.146 #
8) Heptachlo...	7.348	8.159	370878	202363	1.799	0.657 #
9) trans-Chl...	7.438	8.281	4793058	7736201	22.746	24.809 #
10) cis-Chlor...	7.531	8.389	5801810	6344746	28.353	21.388 #
11) Endosulfa...	7.650	8.466f	134421	128320	0.694	0.462 #
12) 4,4'-DDE	7.588	8.484	150613	193799	0.730	0.699 #
13) Dieldrin	7.818	8.644	168622	619374	0.783	2.005 #
14) Endrin	7.997f	8.853f	836171	293651	4.833	1.250 #
15) 4,4'-DDD	7.997	8.914	836171	1185376	4.843	4.822 #
16) Endosulfa...	8.129	9.030	103123	138183	0.604	0.566 #
17) 4,4'-DDT	8.255f	9.149	297526	44919	1.796	0.295 #
18) Endrin Al...	8.440f	9.228f	31746	42213	0.207	0.189 #
19) Endosulfa...	8.723	9.481f	66481	36008	0.415	0.162 #
20) Methoxychlor	8.540	9.590f	29143	9388	0.336	0.079 #
21) Endrin Ke...	8.906	9.854	8782	71564	0.046	0.286 #
23) Hexachlor...	3.226f	0.000	7900	0	0.040	N.D. #
24) Hexachlor...	5.775	6.611	4164	10474	BelowCal	0.033 #
25) Oxychlorthane	7.294f	8.083	961252	113717	5.308	0.407 #
26) 2,4'-DDE	7.348	8.281	370878	7736201	2.601	36.736 #
27) trans-Non...	7.531	8.345	5801810	5824881	29.036	18.943 #
28) 2,4'-DDD	7.686f	8.644	385747	619374	3.032	3.358 #
29) 2,4'-DDT	7.925f	8.853	137414	293651	0.938	1.488 #
30) cis-Nonac...	7.997	8.914	836171	1185376	3.548	3.475 #
31) Mirex	8.657	9.854	8652	71564	6722.983	0.145 #
32) Chlordane...	7.438	8.281	4793058	7736201	204.294	198.890 #
33) Chlordane...	7.531	8.389	5801810	6344746	201.307	197.668 #
34) Chlordane...	8.080	9.058	1505062	2047397	197.837	192.828 #
35) Chlordane...	3.810	0.000	458168	0	NoCal	N.D. #
36) Toxaphene...	7.531f	8.644f	5801810	619374	5508.631	229.032 #
37) Toxaphene...	7.818	8.968	168622	210960	86.710	60.576 #
38) Toxaphene...	8.129	9.009	103123	171668	20.512	29.524 #
39) Toxaphene...	8.360	9.058	68331	2047397	16.913	226.842 #
40) Toxaphene...	8.566f	9.228f	31865	42213	9.692	8.406 #
41) Toxaphene...	8.657	0.000	8652	0	1.993	N.D. #
42) Toxaphene...	3.810	0.000	458168	0	NoCal	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:59
Operator : MJB
Sample : 0A08041-CALM
Misc : A19K309, CHLOR 200 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: Jan 09 11:31:56 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082037.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 22:16
 Operator: MJB
 Sample: 0A08041-CALN
 Misc: At 9K310, CHLOR 500 ppb
 ALS Vial: 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:32:07 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

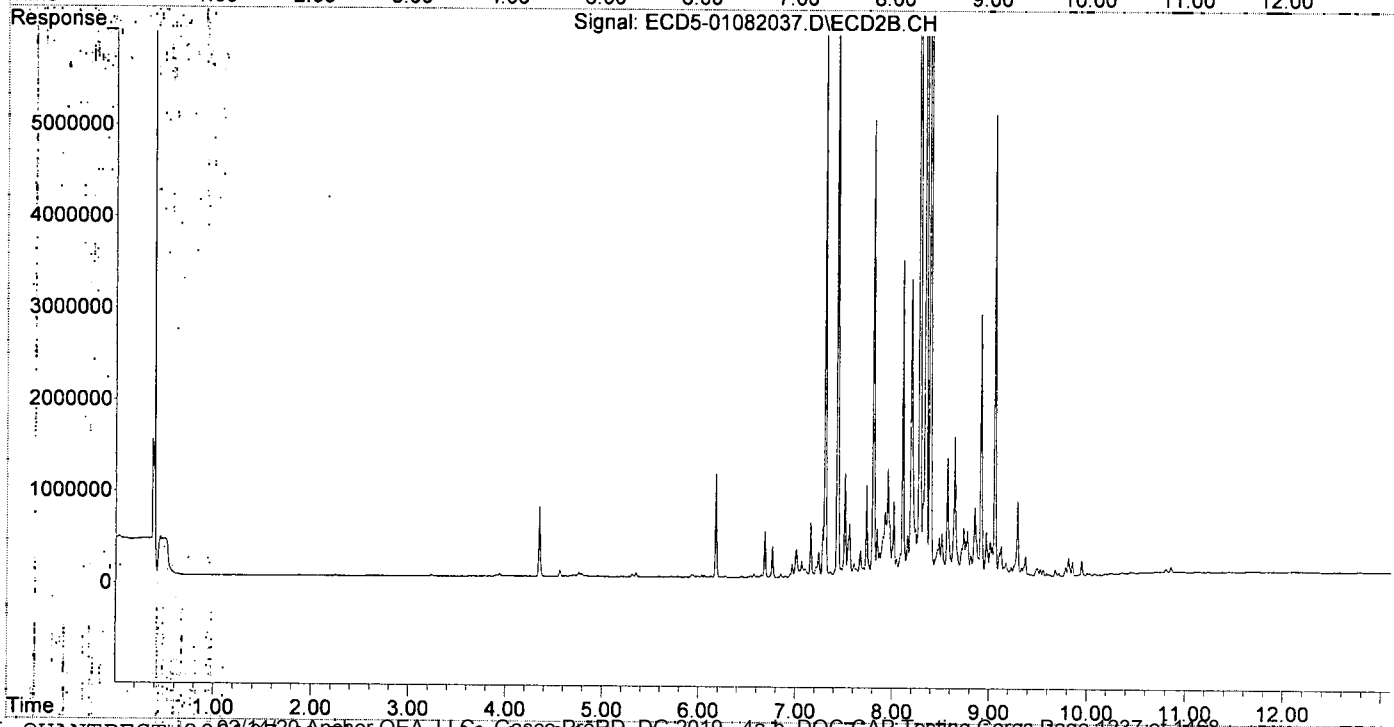
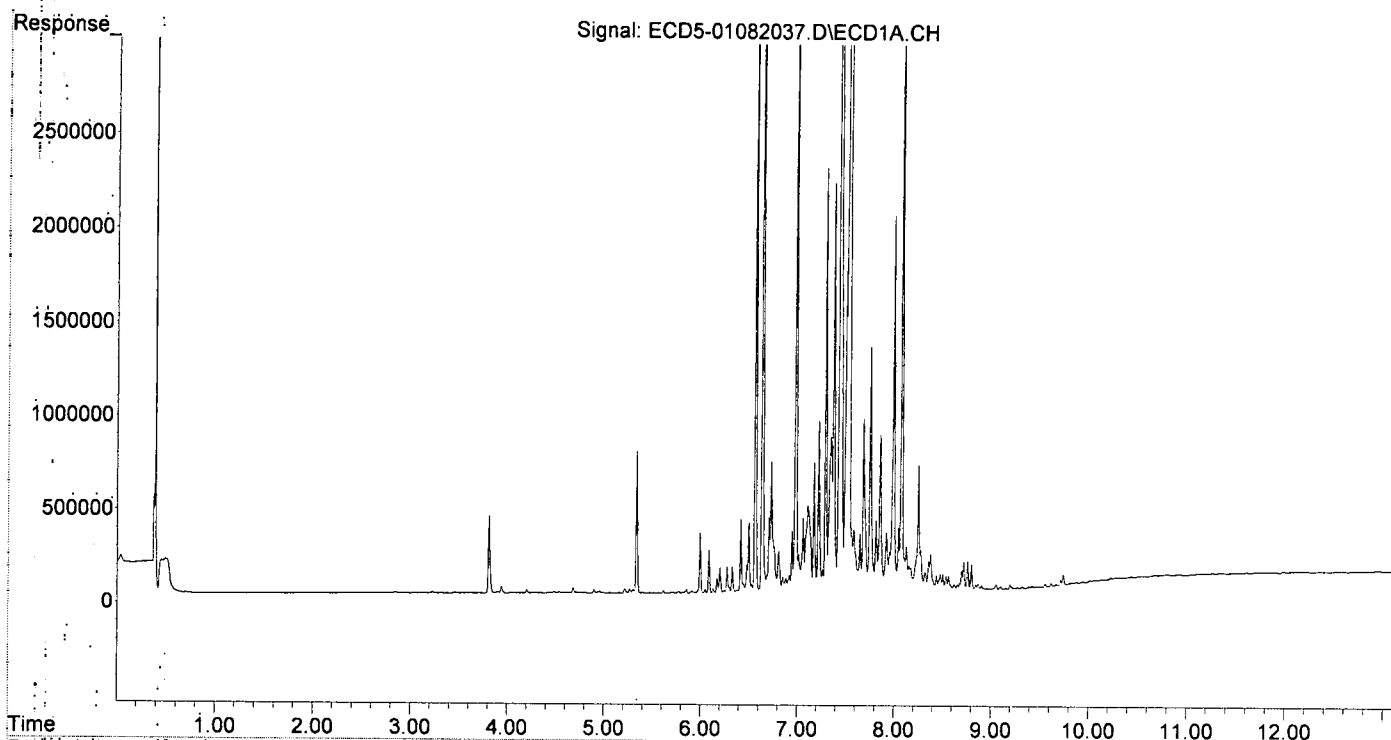
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.403	6.124	5420	8555	0.028	0.029
22)	S DCBP (S)	9.620	10.755	23667	4289	0.003	0.024 #
Target Compounds							
2)	a-BHC	5.910f	6.761f	12838	336901	0.049	0.816 #
3)	g-BHC	6.245	7.064	11348	176353	0.049	0.483 #
4)	b-BHC	6.328f	7.102	141046	88808	1.272	0.552 #
5)	Heptachlor	6.638	7.433	5083320	7935143	22.370	22.385
6)	d-BHC	6.418f	7.362	395426	59766	1.815	0.236 #
7)	Aldrin	6.884	7.703	75211	103926	0.341	0.312
8)	Heptachlo...	7.347	8.158	833474	450789	4.043	1.463 #
9)	trans-Chl...	7.437	8.282	11206289	19234034	53.181	61.681
10)	cis-Chlor...	7.530	8.389	13908359	15819527	67.969	53.328
11)	Endosulfa...	7.650	8.466f	304132	302200	1.569	1.088
12)	4,4'-DDE	7.588	8.484	333708	431319	1.618	1.514
13)	Dieldrin	7.817	8.644	381182	1518068	1.770	4.914 #
14)	Endrin	7.996f	8.852f	1992240	749318	11.515	3.189 #
15)	4,4'-DDD	7.996	8.914	1992240	2843982	11.539	11.570
16)	Endosulfa...	8.130	9.030	235105	324102	1.378	1.327
17)	4,4'-DDT	8.254f	9.149	670131	106323	4.045	0.577 #
18)	Endrin Al...	8.440f	9.228f	76784	99309	0.501	0.444
19)	Endosulfa...	8.723	9.432	149201	23857	0.932	0.108 #
20)	Methoxychlor	8.539	9.621	74034	17193	0.855	0.145 #
21)	Endrin Ke...	8.906	9.854	23022	158095	0.121	0.631 #
23)	Hexachlor...	3.226f	0.000	7857	0	0.039	N.D. #
24)	Hexachlor...	5.775	6.610	9790	10353	BelowCal	0.032
25)	Oxychlorthane	7.293f	8.083	2256772	253876	12.725	0.908 #
26)	2,4'-DDE	7.347	8.282	833474	19234034	5.845	91.334 #
27)	trans-Non...	7.530	8.345	13908359	14000556	69.573	45.532
28)	2,4'-DDD	7.685f	8.644	920140	1518068	7.232	8.231
29)	2,4'-DDT	7.925f	8.852	314330	749318	2.146	3.941 #
30)	cis-Nonac...	7.996	8.914	1992240	2843982	8.453	8.337
31)	Mirex	8.657	9.854	26831	158095	6722.849	0.646 #
32)	Chlordane...	7.437	8.282	11206289	19234034	477.644	494.487
33)	Chlordane...	7.530	8.389	13908359	15819527	482.581	492.852
34)	Chlordane...	8.080	9.058	3625557	5010516	476.571	471.901
35)	Chlordane...	3.810	0.000	411441	0	NoCal	N.D.
36)	Toxaphene...	7.530	8.644f	13908359	1518068	13205.535	561.352 #
37)	Toxaphene...	7.817	8.969	381182	487291	196.015	139.923
38)	Toxaphene...	8.130	9.009	235105	389443	52.067	71.737
39)	Toxaphene...	8.360	9.058	157774	5010516	39.053	555.140 #
40)	Toxaphene...	8.566f	9.228f	77473	99309	23.564	19.775
41)	Toxaphene...	8.657	9.621	26831	17193	6.179	3.062 #
42)	Toxaphene...	3.810	0.000	411441	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 22:16
Operator : MJB
Sample : 0A08041-CALN
Misc : A19K310, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:32:07 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082038.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 22:33
 Operator : MJB
 Sample : 0A08041-CALO
 Misc : A19K311, CHLOR 1000 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: Jan 09 11:32:17 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/21

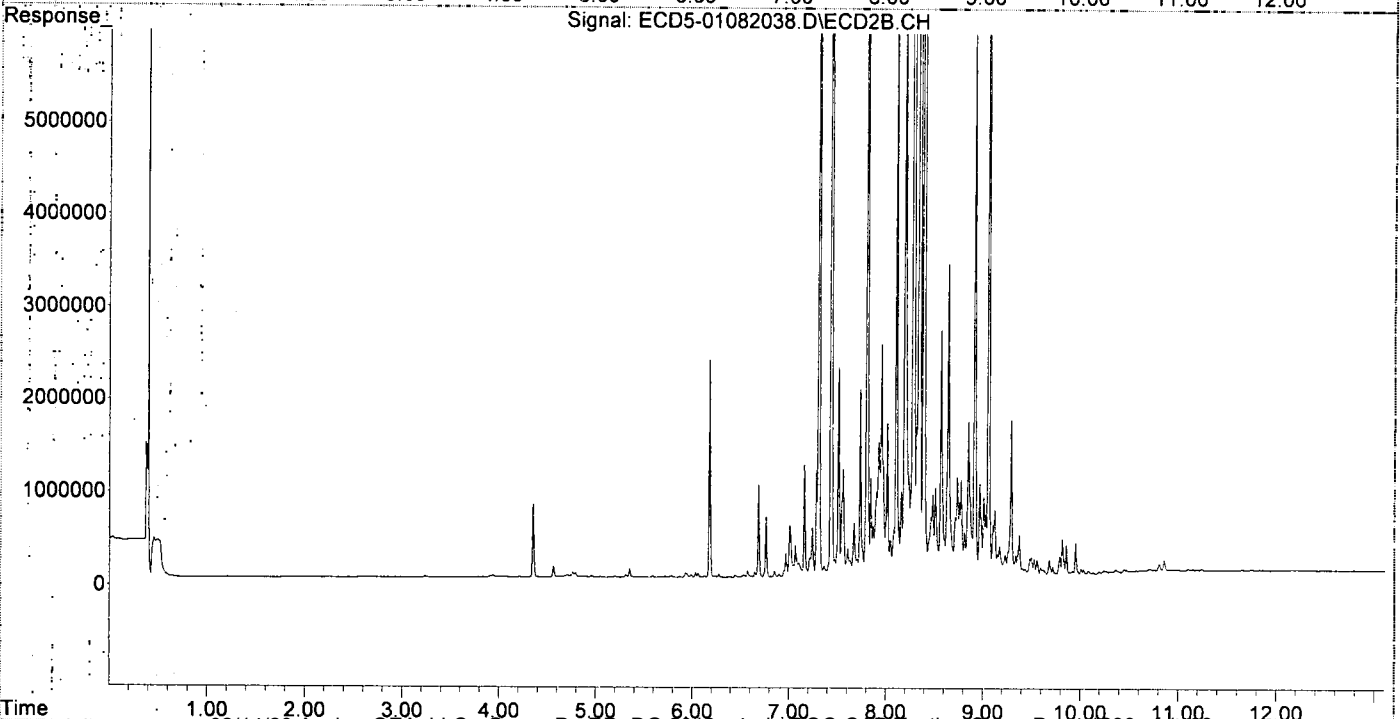
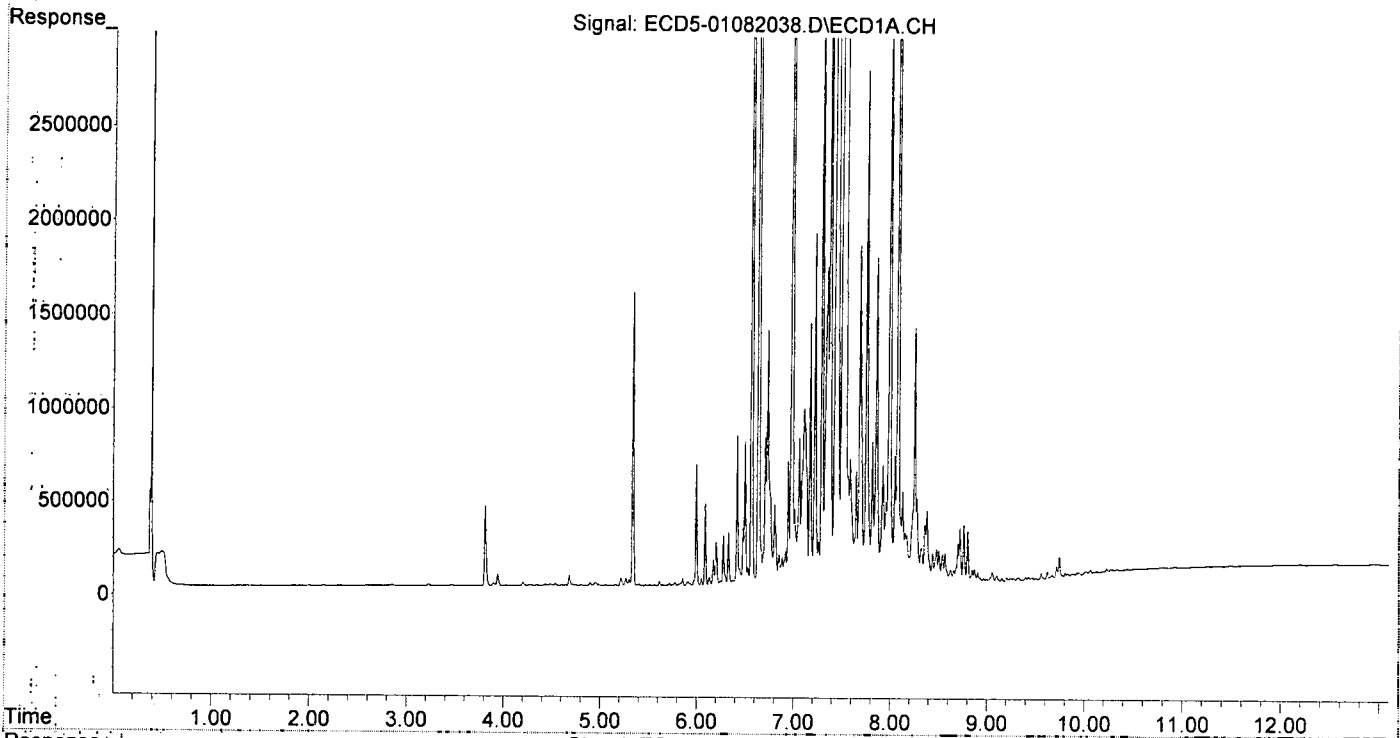
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	5.402	6.123	9798	12771	0.050	0.043
22)	S DCBP (S)	9.620	10.755	40124	12879	0.113	0.072
Target Compounds							
2)	a-BHC	5.910f	6.761f	21496	647692	0.082	1.568 #
3)	g-BHC	6.245	7.064	22195	335475	0.095	0.919 #
4)	b-BHC	6.328f	7.100	285005	146085	2.741	0.908 #
5)	Heptachlor	6.637	7.433	10535400	17179217	46.363	48.462
6)	d-BHC	6.417f	7.363	795830	108547	3.653	0.381 #
7)	Aldrin	6.883	7.702	143935	184021	0.652	0.553
8)	Heptachlo...	7.348	8.159	1702985	910754	8.261	2.957 #
9)	trans-Chl...	7.436	8.282	23306867	41815031	110.607	134.095
10)	cis-Chlor...	7.530	8.390	28733989	33826481	140.421	114.029
11)	Endosulfa...	7.649	8.465f	600773	632501	3.100	2.276
12)	4,4'-DDE	7.587	8.484	662790	876502	3.215	3.036
13)	Dieldrin	7.816	8.644	751833	3369901	3.491	10.908 #
14)	Endrin	7.996f	8.852f	4008014	1646182	23.165	7.006 #
15)	4,4'-DDD	7.996f	8.915	4008014	5868870	23.214	23.876
16)	Endosulfa...	8.130	9.030	482837	655952	2.830	2.685
17)	4,4'-DDT	8.254f	9.150	1366468	218307	8.249	1.092 #
18)	Endrin Al...	8.440f	9.229f	153954	208997	1.005	0.935
19)	Endosulfa...	8.722	9.432	289883	58736	1.811	0.265 #
20)	Methoxychlor	8.539	9.622	150060	41628	1.733	0.351 #
21)	Endrin Ke...	8.906	9.854	47909	312372	0.251	1.247 #
23)	Hexachlor...	3.226f	0.000	9074	0	0.045	N.D. #
24)	Hexachlor...	5.774	6.608	16566	12343	BelowCal	0.039
25)	Oxychlorthane	7.261	8.082	224230	504968	1.082	1.805 #
26)	2,4'-DDE	7.348	8.282	1702985	41815031	11.943	198.560 #
27)	trans-Non...	7.530	8.345	28733989	31332982	142.970	101.900
28)	2,4'-DDD	7.685f	8.644	1800544	3369901	14.151	18.271
29)	2,4'-DDT	7.924f	8.852	633565	1646182	4.325	8.706 #
30)	cis-Nonac...	7.996	8.915	4008014	5868870	17.005	17.204
31)	Mirex	8.657	9.854	60242	312372	0.200	1.538 #
32)	Chlordane...	7.436	8.282	23306867	41815031	993.404	1075.021 #
33)	Chlordane...	7.530	8.390	28733989	33826481	996.990	1053.853 #
34)	Chlordane...	8.079	9.058	7448098	10569130	979.035	995.423 #
35)	Chlordane...	3.810	0.000	423208	0	NoCal	N.D.
36)	Toxaphene...	7.530	8.644f	28733989	3369901	27281.990	1246.124 #
37)	Toxaphene...	7.816	8.969	751833	984931	386.613	282.818
38)	Toxaphene...	8.130	9.009	482837	837849	111.224	157.726 #
39)	Toxaphene...	8.360	9.058	308612	10569130	76.388	1171.007 #
40)	Toxaphene...	8.566f	9.229	155406	208997	47.268	41.617
41)	Toxaphene...	8.657	9.622	60242	41628	13.873	7.415 #
42)	Toxaphene...	3.810	0.000	423208	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 22:33
Operator : MJB
Sample : 0A08041-CALO
Misc : A19K311, CHLOR 1000 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: Jan 09 11:32:17 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082039.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 22:50
 Operator: MJB
 Sample: 0A08041-CALP
 Misc: A19K306, CHLOR 2000 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: Jan 09 11:32:28 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

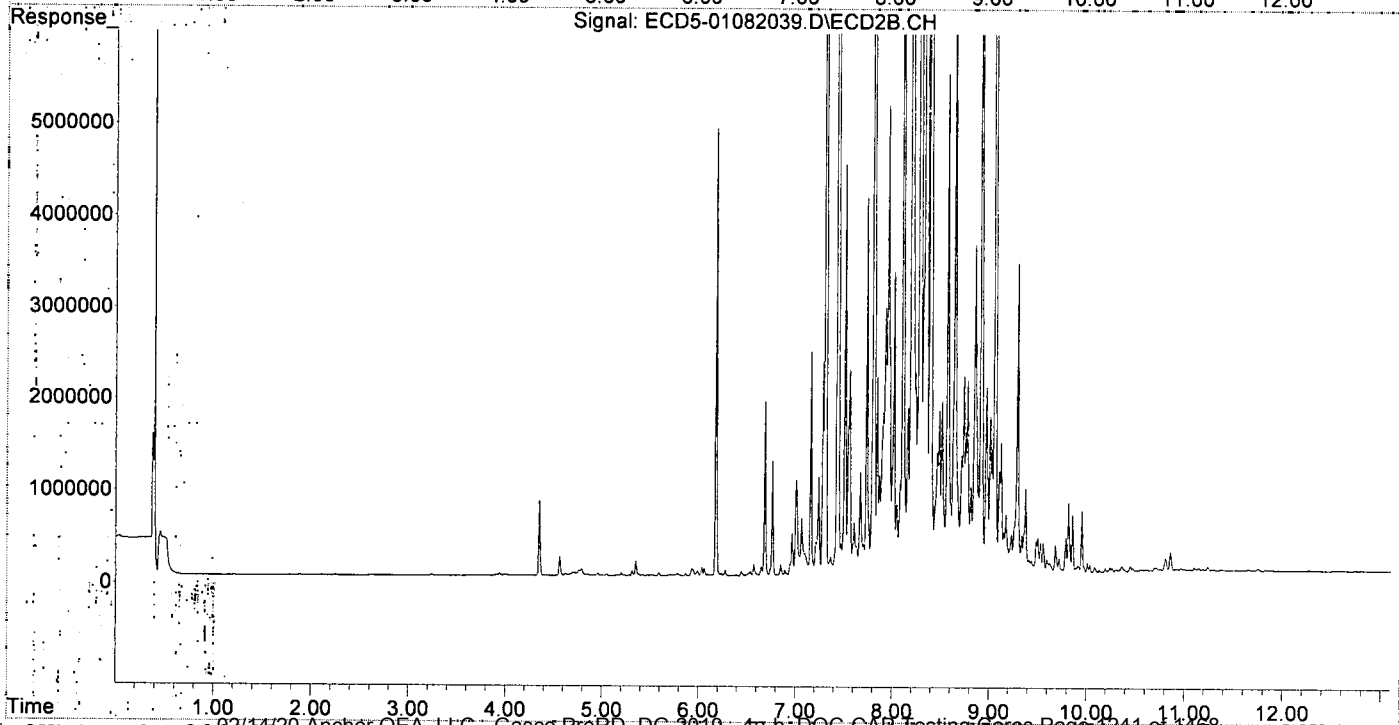
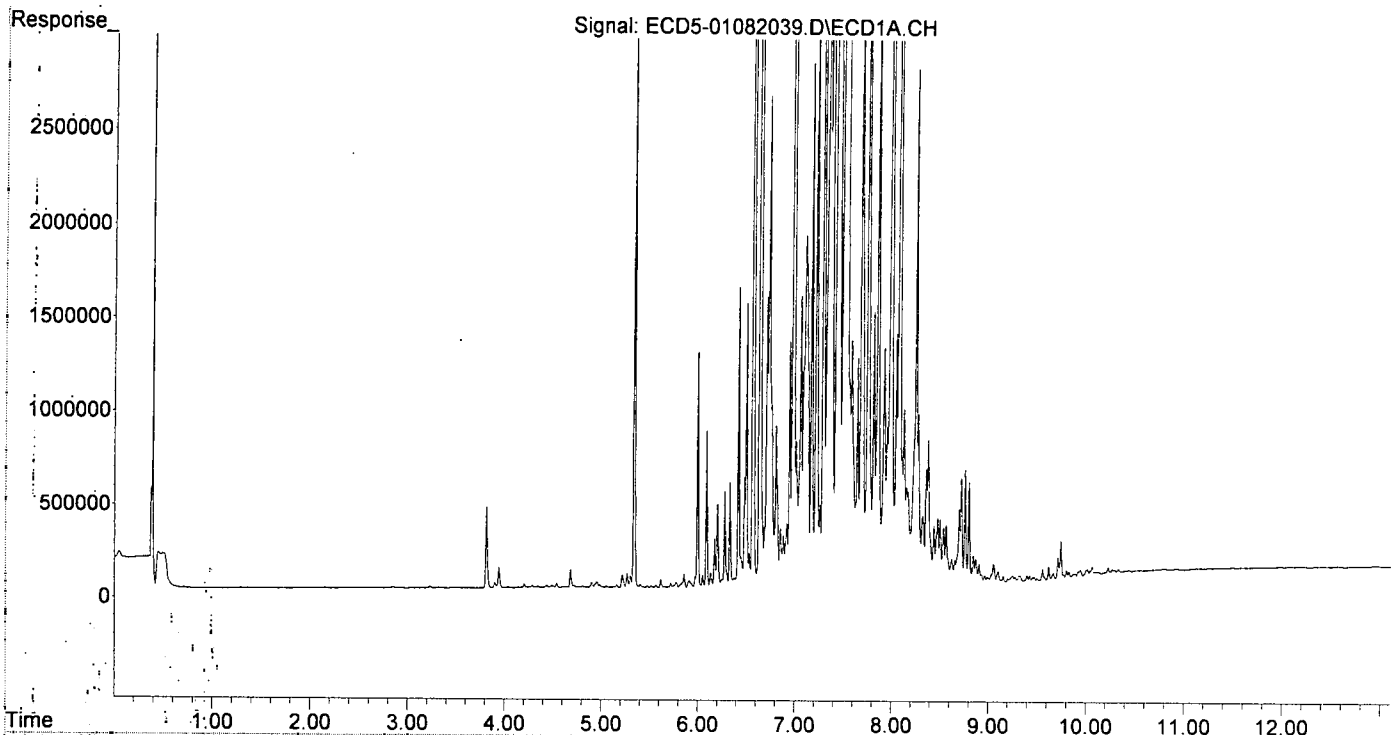
MJB
1/9/20

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.405	6.093f	18762	10250	0.096	0.034 #
22) S DCBP (S)	9.622	10.757	70733	20529	0.317	0.115 #
Target Compounds						
2) a-BHC	5.912f	6.763f	37181	1243796	0.141	3.012 #
3) g-BHC	6.202f	7.066	446709	623981	1.913	1.709
4) b-BHC	6.277f	7.101	511971	234905	5.059	1.460 #
5) Heptachlor	6.639	7.435	21169046	36522630	93.159	103.029
6) d-BHC	6.419f	7.365	1596353	196886	7.328	0.643 #
7) Aldrin	6.884	7.705	271904	337413	1.232	1.013
8) Heptachlo...	7.348	8.160	3311763	1797851	16.064	5.836 #
9) trans-Chl...	7.438	8.285	45620260	88263621	216.499	283.050
10) cis-Chlor...	7.532	8.392	57400215	70960383	280.511	239.208
11) Endosulfa...	7.650	8.466f	1205884	1313552	6.222	4.727
12) 4,4'-DDE	7.588	8.486	1308468	1763283	6.346	6.052
13) Dieldrin	7.818	8.645	1463073	7392199	6.793	23.928 #
14) Endrin	7.997f	8.890	8045747	854577	46.502	3.637 #
15) 4,4'-DDD	7.997	8.916	8045747	12115047	46.600	49.287
16) Endosulfa...	8.131	9.031	933707	1342410	5.472	5.495
17) 4,4'-DDT	0.000	9.151	0	440296	N.D.	2.110 #
18) Endrin Al...	8.441f	9.230f	302898	420267	1.978	1.880
19) Endosulfa...	8.724	9.435	562784	134010	3.517	0.605 #
20) Methoxychlor	8.540	9.625	298859	98601	3.451	0.831 #
21) Endrin Ke...	8.907	9.856	94863	625998	0.497	2.500 #
23) Hexachlor...	3.228f	0.000	9401	0	0.047	N.D. #
24) Hexachlor...	5.776	6.572f	27126	123312	BelowCal	0.385
25) Oxylordane	7.262	8.084	431510	1016838	2.271	3.636 #
26) 2,4'-DDE	7.348	8.285	3311763	88263621	23.226	419.124 #
27) trans-Non...	7.532	8.347	57400215	65752002	282.292	213.836
28) 2,4'-DDD	7.686f	8.645	3641213	7392199	28.618	40.079 #
29) 2,4'-DDT	7.925f	8.854	1270102	3572195	8.671	18.671 #
30) cis-Nonac...	7.997	8.916	8045747	12115047	34.136	35.513
31) Mirex	8.659	9.856	121574	625998	0.655	3.346 #
32) Chlordane...	7.438	8.285	45620260	88263621	1944.464	2269.166
33) Chlordane...	7.532	8.392	57400215	70960383	1991.628	2210.747
34) Chlordane...	8.081	9.060	15008543	22453950	1972.838	2114.760
35) Chlordane...	3.812	0.000	438160	0	NoCal	N.D.
36) Toxaphene...	7.532f	8.645f	57400215	7392199	54499.640	2733.491 #
37) Toxaphene...	7.818	8.971	1463073	2013867	752.353	578.272
38) Toxaphene...	8.131	9.011	933707	1688639	218.651	317.609 #
39) Toxaphene...	8.382f	9.060	768519	22453950	190.226	2487.787 #
40) Toxaphene...	8.567	9.230	308699	420267	93.893	83.686
41) Toxaphene...	8.659	9.625	121574	98601	27.997	17.563
42) Toxaphene...	3.812	0.000	438160	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 22:50
Operator : MJB
Sample : 0A08041-CALP
Misc : A19K306, CHLOR 2000 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: Jan 09 11:32:28 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082042.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 23:41
 Operator: MJB
 Sample: 0A08041-CALQ
 Misc: A20A098, TOX 10 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: Jan 09 11:33:28 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

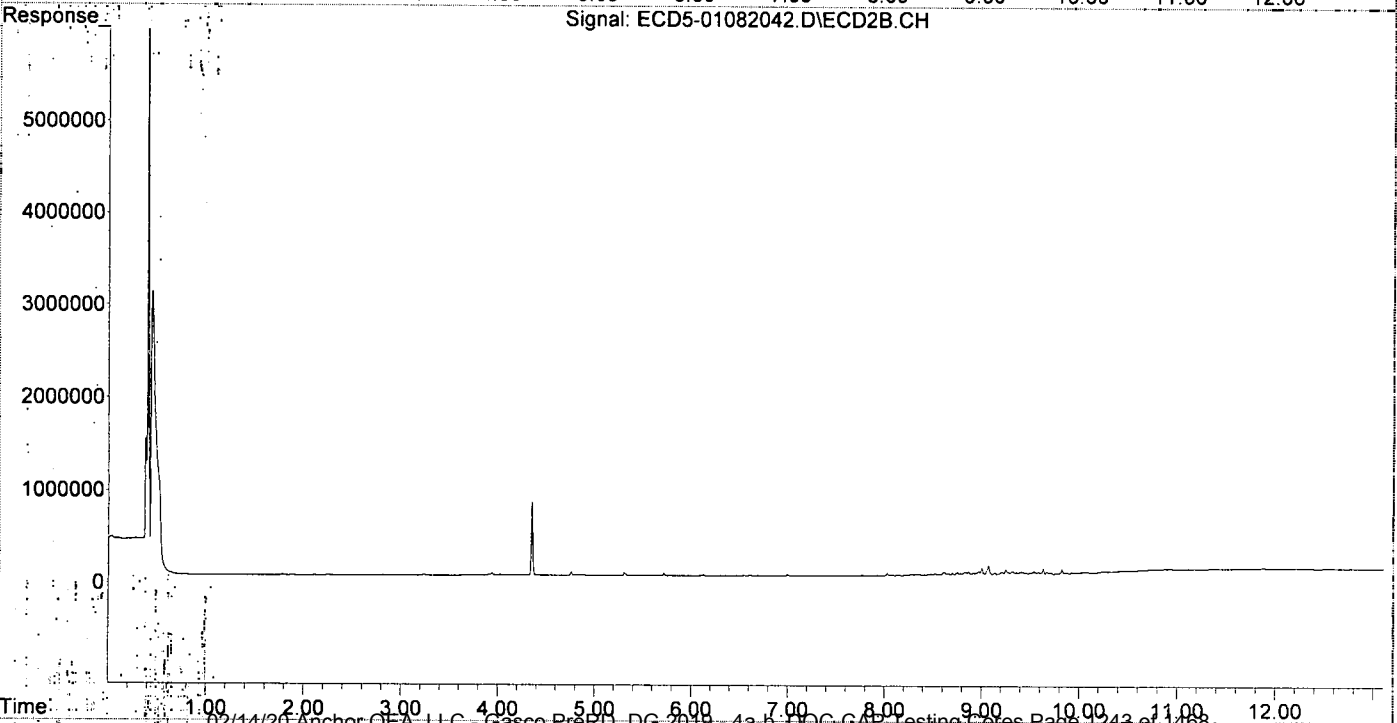
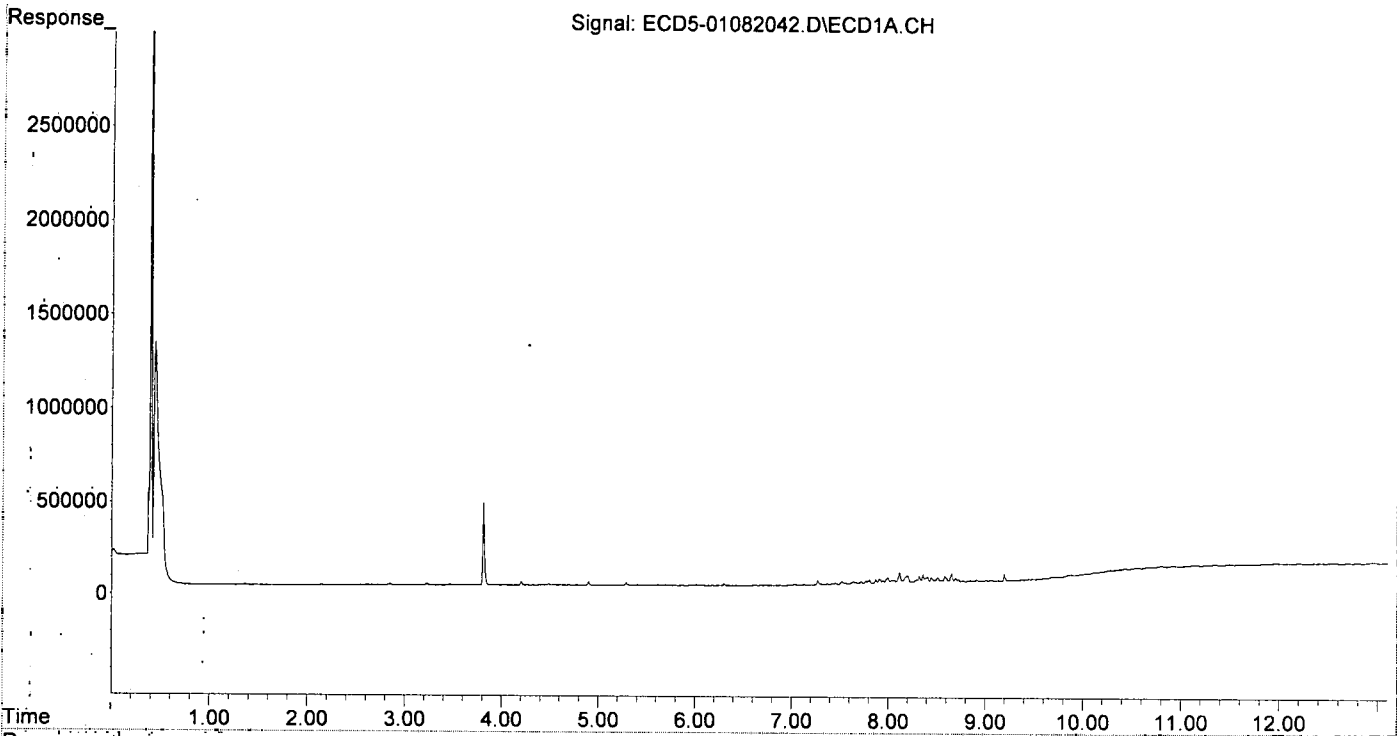
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.124	0	10629	N.D.	0.036 #
22) S DCBP (S)	9.609	0.000	6815	0	8131.940	N.D. #
Target Compounds						
2) a-BHC	5.947	0.000	3461	0	0.013	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.302	0.000	12620	0	5931.873	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...	7.367f	8.135	5219	8047	0.025	0.026
9) trans-Chl...	7.451	8.284	6675	15210	0.032	0.049 #
10) cis-Chlor...	7.523	8.413f	14451	8223	0.071	0.028 #
11) Endosulfa...	7.639	8.446	13158	13219	0.068	0.048
12) 4,4'-DDE	7.561f	8.477	8579	14922	0.042	0.084 #
13) Dieldrin	7.806	8.659	21367	17989	0.099	0.058 #
14) Endrin	7.945f	8.865	16660	36793	0.096	0.157 #
15) 4,4'-DDD	8.034	8.916	16954	21078	0.098	0.086
16) Endosulfa...	8.118	9.004	58763	70419	0.344	0.288
17) 4,4'-DDT	8.196	9.138	37833	22478	0.228	0.191
18) Endrin Al...	8.405	9.249	30288	51910	0.198	0.232
19) Endosulfa...	8.723	9.453	13816	19892	0.086	0.090
20) Methoxychlor	8.586f	9.634	33626	57037	0.388	0.481
21) Endrin Ke...	8.908	9.875	9140	9995	0.048	0.040
23) Hexachlor...	3.226f	0.000	9767	0	0.049	N.D. #
24) Hexachlor...	0.000	6.610	0	10990	N.D.	0.034 #
25) Oxychlorane	7.271	8.083	23041	7291	BelowCal	0.026
26) 2,4'-DDE	7.367f	8.263	5219	9920	0.037	0.047
27) trans-Non...	7.523	8.355	14451	10080	BelowCal	0.033
28) 2,4'-DDD	7.723	8.659	13907	17989	0.109	0.098
29) 2,4'-DDT	7.909	8.865	24195	36793	0.165	0.096 #
30) cis-Nonac...	7.995	8.916	30542	21078	0.130	0.062 #
31) Mirex	8.654	9.823f	47173	51078	0.103	0.026 #
32) Chlordane...	7.451	8.284	6675	15210	0.284	0.391
33) Chlordane...	7.523	8.413f	14451	8223	0.501	0.256 #
34) Chlordane...	8.058f	9.072	17437	99104	2.292	9.334 #
35) Chlordane...	3.810	0.000	440668	0	NoCal	N.D.
36) Toxaphene...	7.514	8.619	12440	29639	11.812m	10.960
37) Toxaphene...	7.806	8.968	21367	37237	10.987	10.692
38) Toxaphene...	8.118	9.004	58763	70419	9.901	9.796
39) Toxaphene...	8.358	9.072	44260	99104	10.955	10.980
40) Toxaphene...	8.586	9.249	33626	51910	10.228	10.337
41) Toxaphene...	8.654	9.634	47173	57037	10.863	10.159
42) Toxaphene...	3.810	0.000	440668	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

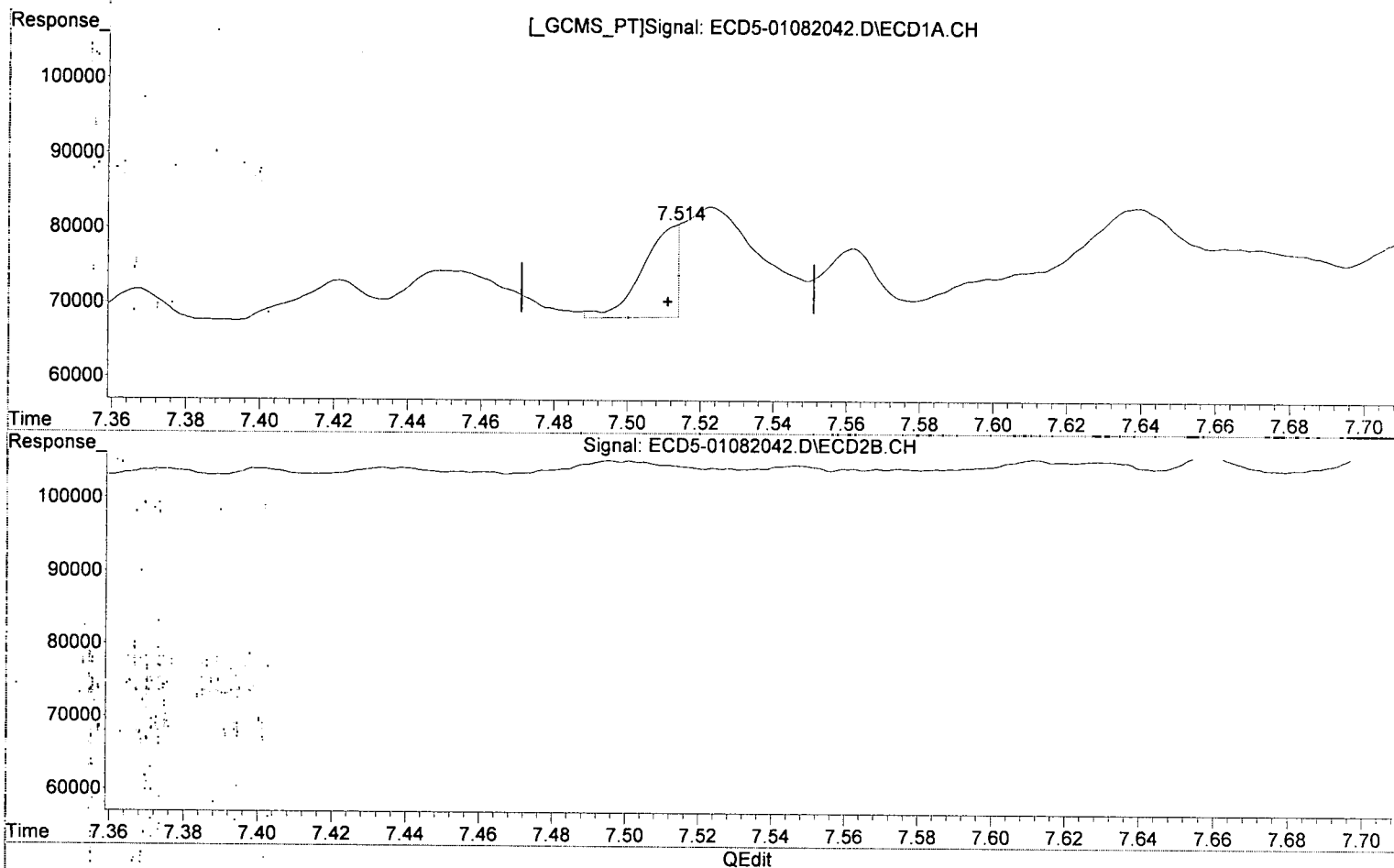
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:33:28 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:32:57 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)

7.514min 11.812 ng/mL

response 12440

MJB
1/9/20

(36) Toxaphene (1) #2

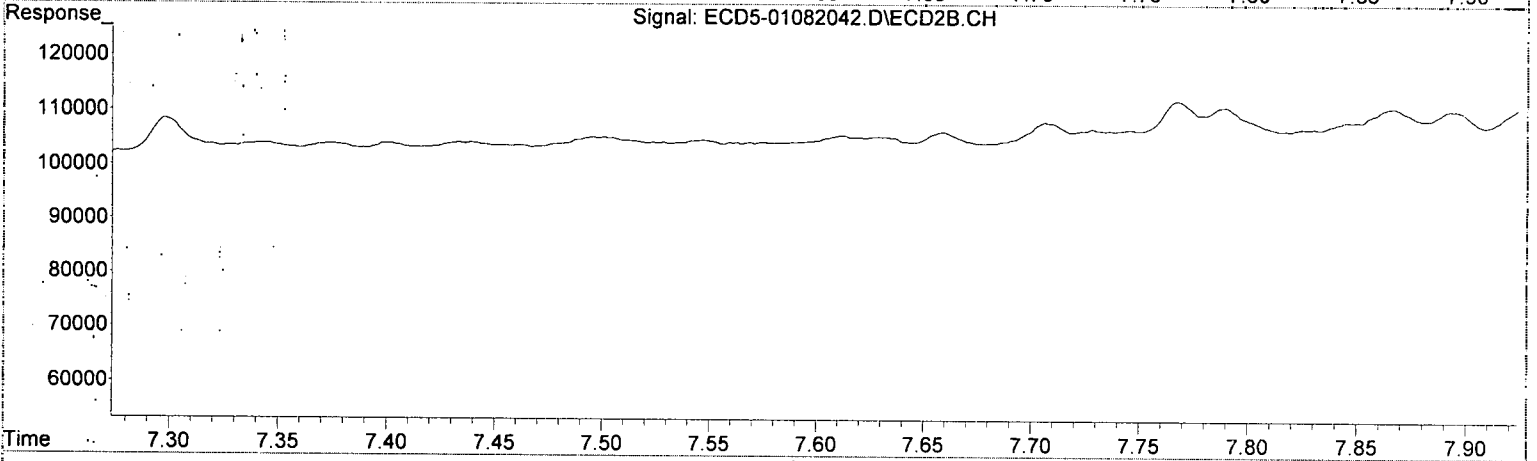
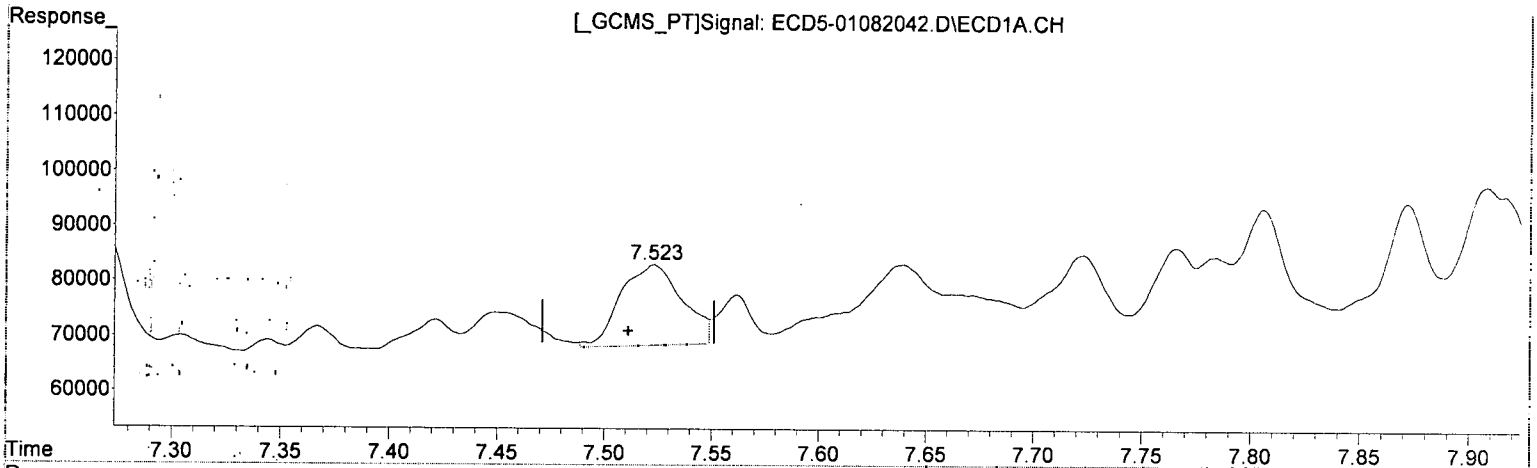
8.619min 10.960 ng/mL

response 29639

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:32:57 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(36) Toxaphene (1)
7.523min 13.720 ng/mL
response 14451

MJB
1/9/20

(36) Toxaphene (1) #2
8.619min 10.960 ng/mL
response 29639

Data Path: R:\data\2020-01\0A08041\REQUANT\
 Data File: ECD5-01082042.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 23:41
 Operator: MJB
 Sample: 0A08041-CALQ
 Misc: A20A098, TOX 10 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: Jan 09 11:32:57 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
MJB
1/9/20

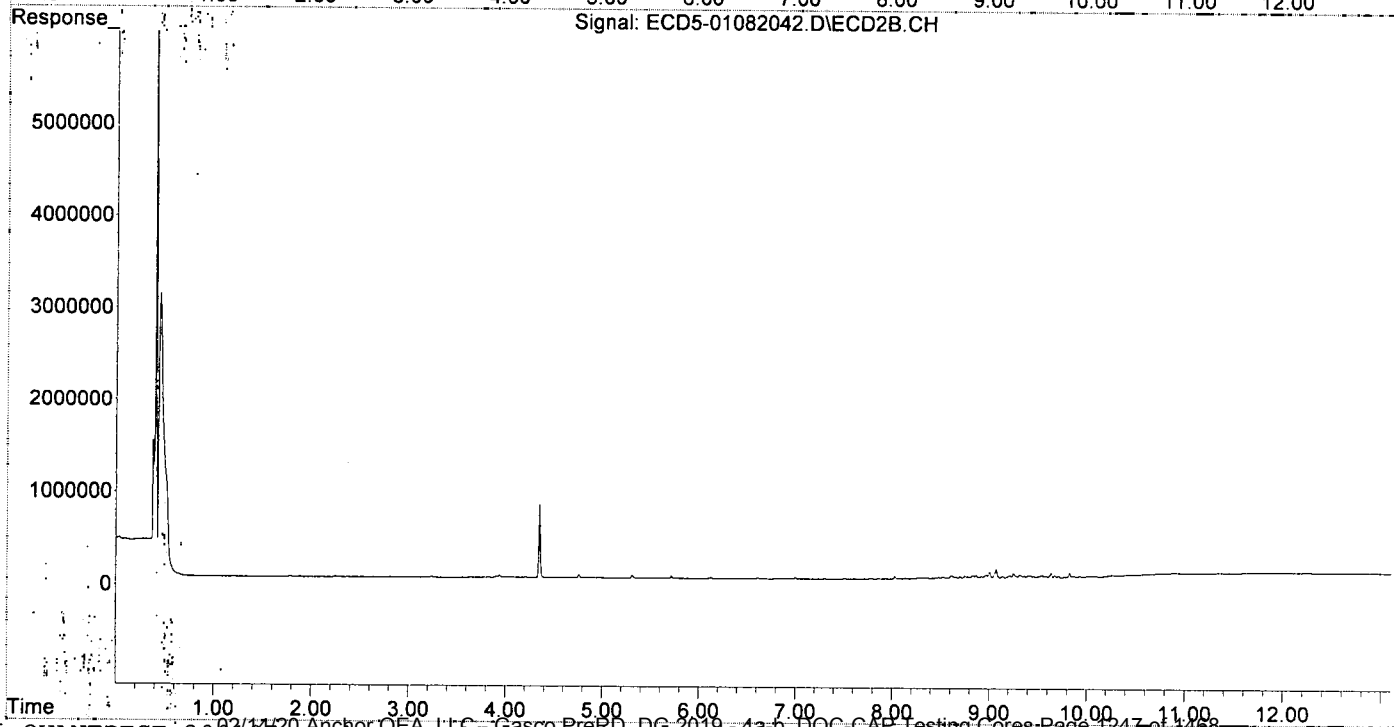
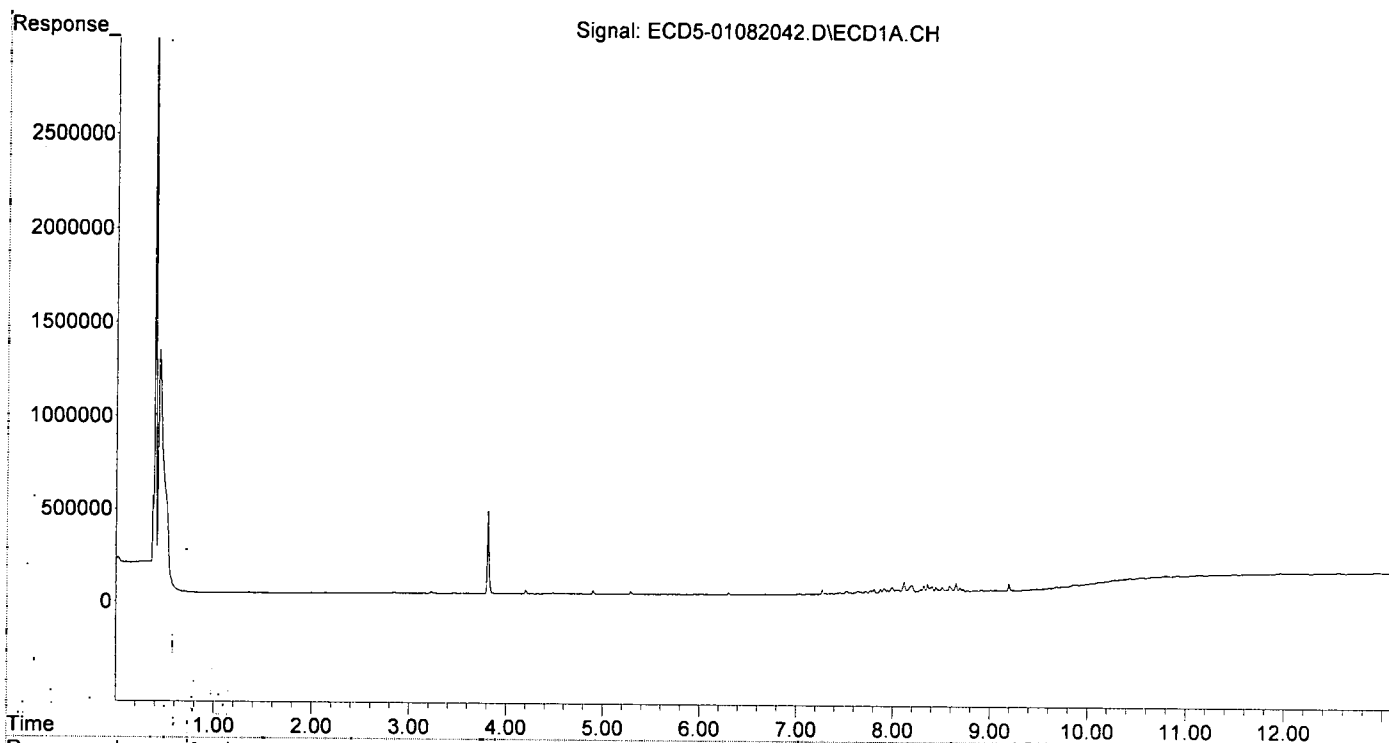
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.124	0	10629	N.D.	0.036 #
22) S DCBP (S)	9.609	0.000	6815	0	8131.940	N.D. #
Target Compounds						
2) a-BHC	5.947	0.000	3461	0	0.013	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.302	0.000	12620	0	5931.873	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...	7.367f	8.135	5219	8047	0.025	0.026
9) trans-Chl...	7.451	8.284	6675	15210	0.032	0.049 #
10) cis-Chlor...	7.523	8.413f	14451	8223	0.071	0.028 #
11) Endosulfa...	7.639	8.446	13158	13219	0.068	0.048
12) 4,4'-DDE	7.561f	8.477	8579	14922	0.042	0.084 #
13) Dieldrin	7.806	8.659	21367	17989	0.099	0.058 #
14) Endrin	7.945f	8.865	16660	36793	0.096	0.157 #
15) 4,4'-DDD	8.034	8.916	16954	21078	0.098	0.086
16) Endosulfa...	8.118	9.004	58763	70419	0.344	0.288
17) 4,4'-DDT	8.196	9.138	37833	22478	0.228	0.191
18) Endrin Al...	8.405	9.249	30288	51910	0.198	0.232
19) Endosulfa...	8.723	9.453	13816	19892	0.086	0.090
20) Methoxychlor	8.586f	9.634	33626	57037	0.388	0.481
21) Endrin Ke...	8.908	9.875	9140	9995	0.048	0.040
23) Hexachlor...	3.226f	0.000	9767	0	0.049	N.D. #
24) Hexachlor...	0.000	6.610	0	10990	N.D.	0.034 #
25) Oxychlorane	7.271	8.083	23041	7291	BelowCal	0.026
26) 2,4'-DDE	7.367f	8.263	5219	9920	0.037	0.047
27) trans-Non...	7.523	8.355	14451	10080	BelowCal	0.033
28) 2,4'-DDD	7.723	8.659	13907	17989	0.109	0.098
29) 2,4'-DDT	7.909	8.865	24195	36793	0.165	0.096 #
30) cis-Nonac...	7.995	8.916	30542	21078	0.130	0.062 #
31) Mirex	8.654	9.823f	47173	51078	0.103	0.026 #
32) Chlordane...	7.451	8.284	6675	15210	0.284	0.391
33) Chlordane...	7.523	8.413f	14451	8223	0.501	0.256 #
34) Chlordane...	8.058f	9.072	17437	99104	2.292	9.334 #
35) Chlordane...	3.810	0.000	440668	0	NoCal	N.D.
36) Toxaphene...	7.523	8.619	14451	29639	13.720	10.960
37) Toxaphene...	7.806	8.968	21367	37237	10.987	10.692
38) Toxaphene...	8.118	9.004	58763	70419	9.901	9.796
39) Toxaphene...	8.358	9.072	44260	99104	10.955	10.980
40) Toxaphene...	8.586	9.249	33626	51910	10.228	10.337
41) Toxaphene...	8.654	9.634	47173	57037	10.863	10.159
42) Toxaphene...	3.810	0.000	440668	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 ppb
ALS Vial : 136 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:32:57 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082043.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 23:58
 Operator : MJB
 Sample : 0A08041-CALR
 Misc : A19J417, TOX 50 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: Jan 09 11:34:03 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
11/12/20

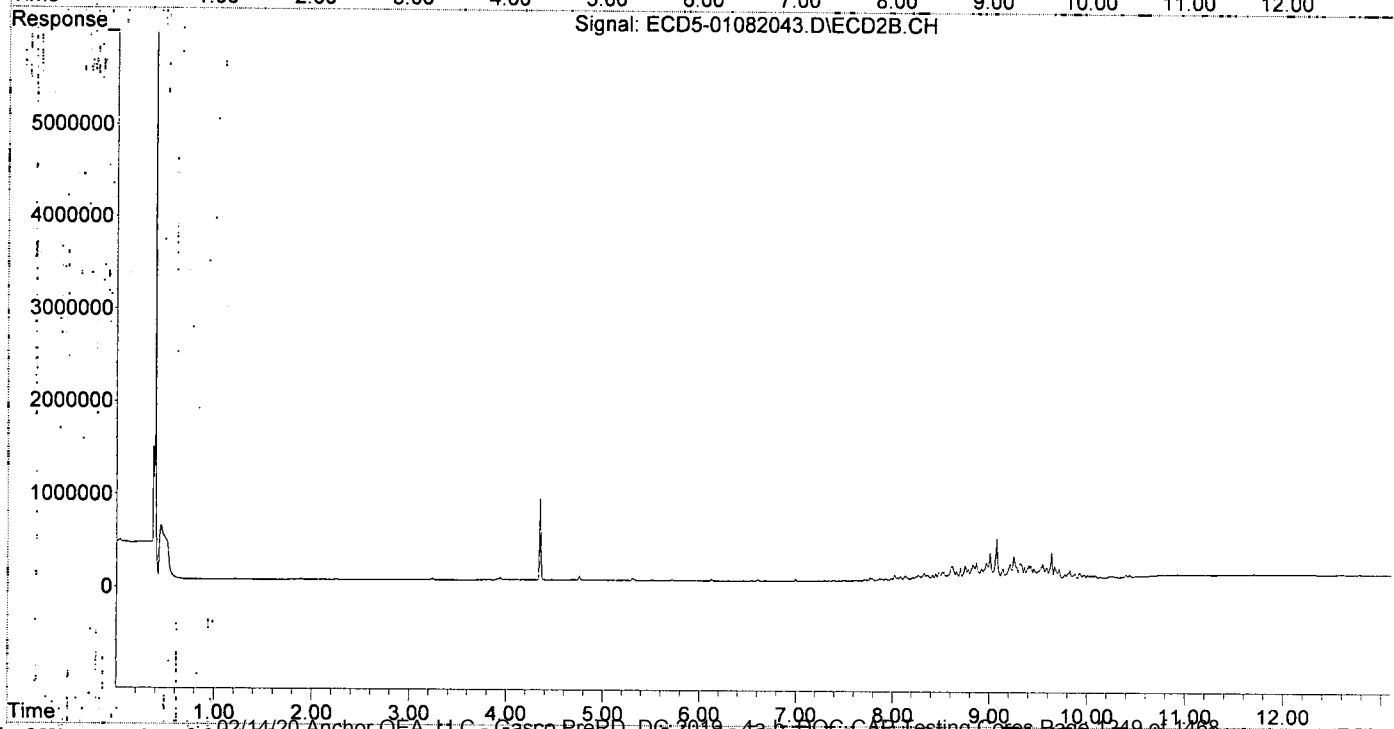
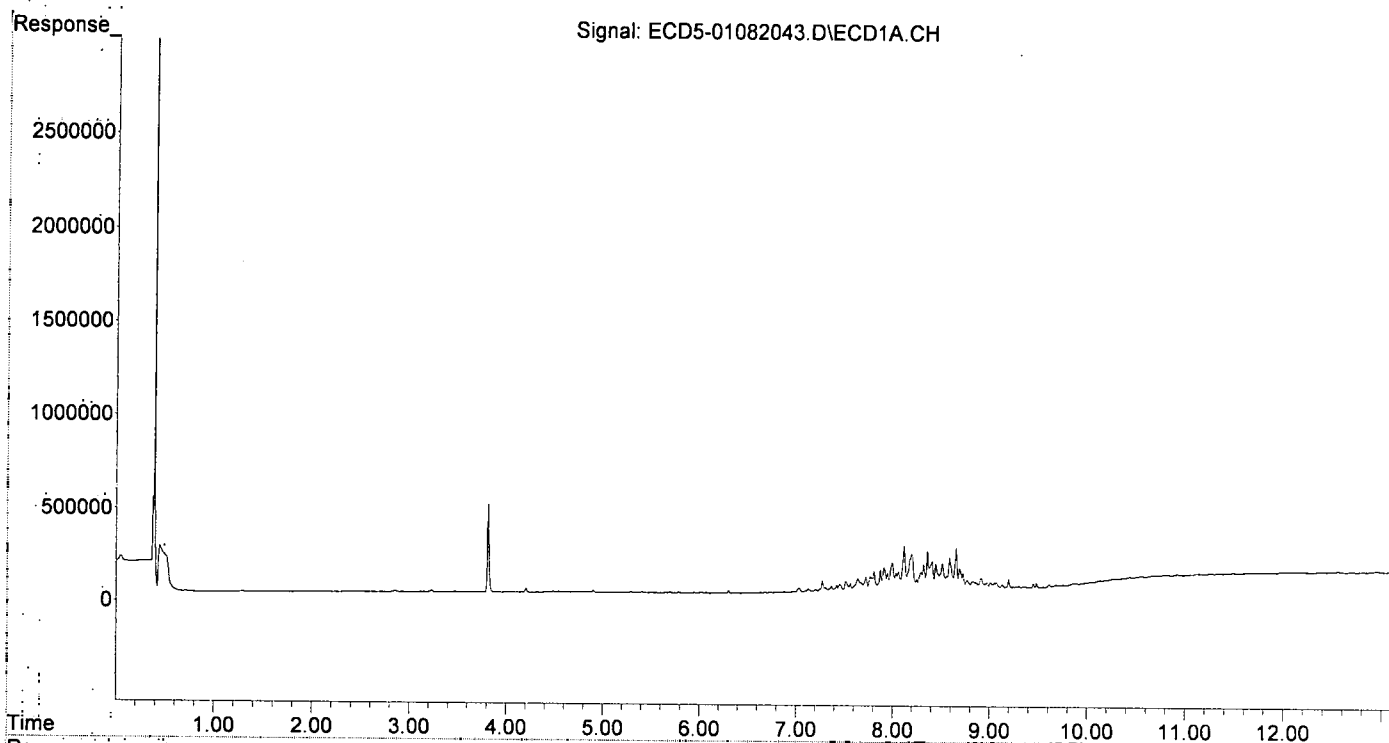
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.125	4956	18487	0.025	0.062 #
22) S DCBP (S)	9.608	10.740	15430	13649	8131.882	0.077 #
Target Compounds						
2) a-BHC	5.945	0.000	4448	0	0.017	N.D. #
3) g-BHC	0.000	0.000	0	0	N.D.	N.D.
4) b-BHC	6.299	0.000	14109	0	5931.858	N.D. #
5) Heptachlor	6.637	0.000	2680	0	0.012	N.D. #
6) d-BHC	0.000	7.394f	0	6876	N.D.	0.078 #
7) Aldrin	6.878	7.706	4224	17228	0.019	0.052 #
8) Heptachlo...	7.366f	8.134	30277	46441	0.147	0.151
9) trans-Chl...	7.453	8.262f	38731	53450	0.184	0.171
10) cis-Chlor...	7.512f	8.413f	54826	53475	0.268	0.180
11) Endosulfa...	7.639	8.446	68993	69495	0.356	0.250
12) 4,4'-DDE	7.561f	8.477	45498	78224	0.221	0.302
13) Dieldrin	7.805	8.659	106490	90092	0.494	0.292 #
14) Endrin	7.945f	8.865	94051	179102	0.544	0.762 #
15) 4,4'-DDD	8.033	8.916	93357	109578	0.541	0.446
16) Endosulfa...	8.117	9.005	237969	285157	1.395	1.167
17) 4,4'-DDT	8.196	9.137	192154	112855	1.160	0.607 #
18) Endrin Al...	8.405	9.249	153760	244237	1.004	1.092
19) Endosulfa...	8.723	9.453	84184	107759	0.526	0.486
20) Methoxychlor	8.586f	9.634	169348	279398	1.955	2.355
21) Endrin Ke...	8.907	9.856	57105	30499	0.299	0.122 #
23) Hexachlor...	3.226f	3.815	9354	6744	0.047	0.017 #
24) Hexachlor...	5.785	6.608	5505	12862	BelowCal	0.040
25) Oxychlorane	7.271	8.082	60504	40121	0.143	0.143
26) 2,4'-DDE	7.366f	8.262	30277	53450	0.212	0.254
27) trans-Non...	7.512	8.355	54826	54464	0.120	0.177 #
28) 2,4'-DDD	7.723	8.659	76945	90092	0.605	0.488
29) 2,4'-DDT	7.909	8.865	124749	179102	0.852	0.868
30) cis-Nonac...	7.995	8.916	149342	109578	0.634	0.321 #
31) Mirex	8.654	9.856	225107	30499	1.423	BelowCal #
32) Chlordane...	7.453	8.262	38731	53450	1.651	1.374
33) Chlordane...	7.512	8.413f	54826	53475	1.902	1.666
34) Chlordane...	8.058f	9.073	99499	435032	13.079	40.972 #
35) Chlordane...	3.810	3.815	473784	6744	NoCal	NoCal
36) Toxaphene...	7.512	8.618	54826	140732	52.056	52.040
37) Toxaphene...	7.805	8.968	106490	174093	54.760	49.990
38) Toxaphene...	8.117	9.005	237969	285157	52.751	51.560
39) Toxaphene...	8.358	9.073	207485	435032	51.357	48.199
40) Toxaphene...	8.586	9.249	169348	244237	51.508	48.634
41) Toxaphene...	8.654	9.634	225107	279398	51.840	49.767
42) Toxaphene...	3.810	3.815	473784	6744	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:58
Operator : MJB
Sample : 0A08041-CALR
Misc : A19J417, TOX 50 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: Jan 09 11:34:03 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:15
 Operator : MJB
 Sample : 0A08041-CALS
 Misc : A19J418, TOX 100 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: Jan 09 11:34:14 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

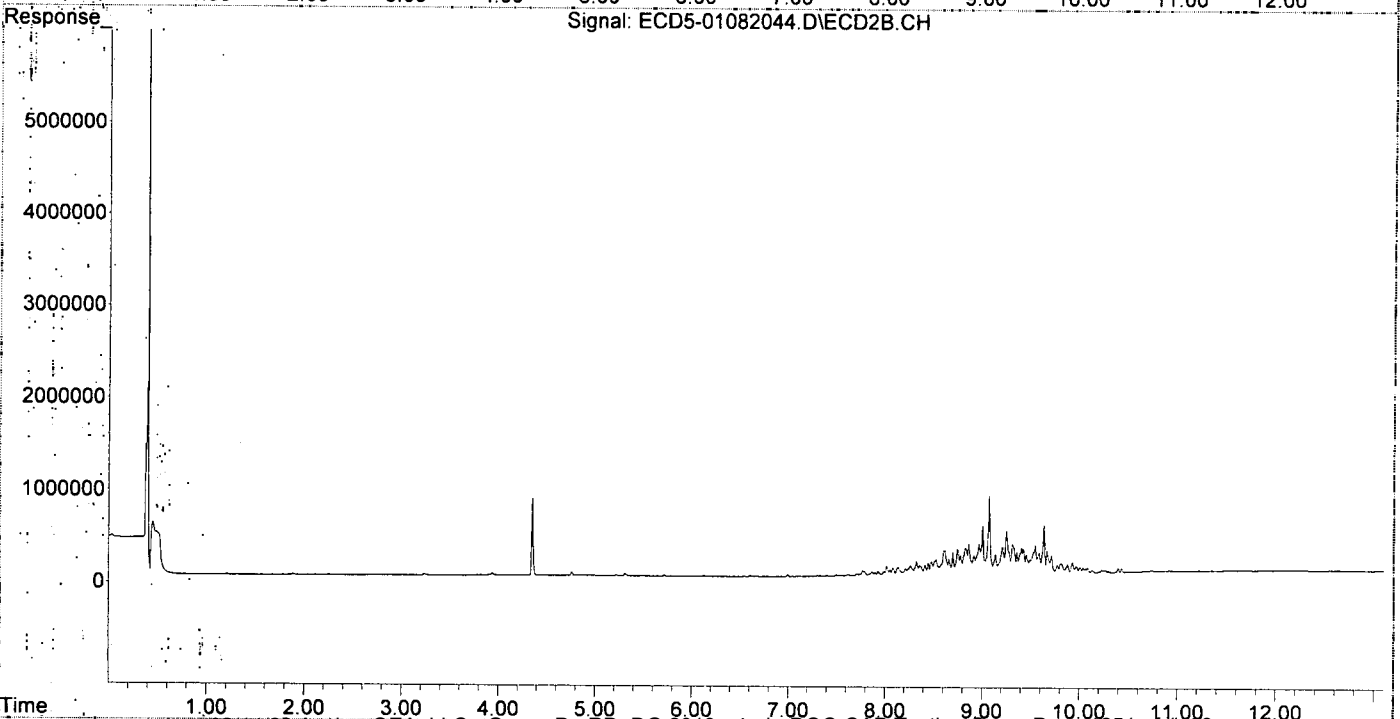
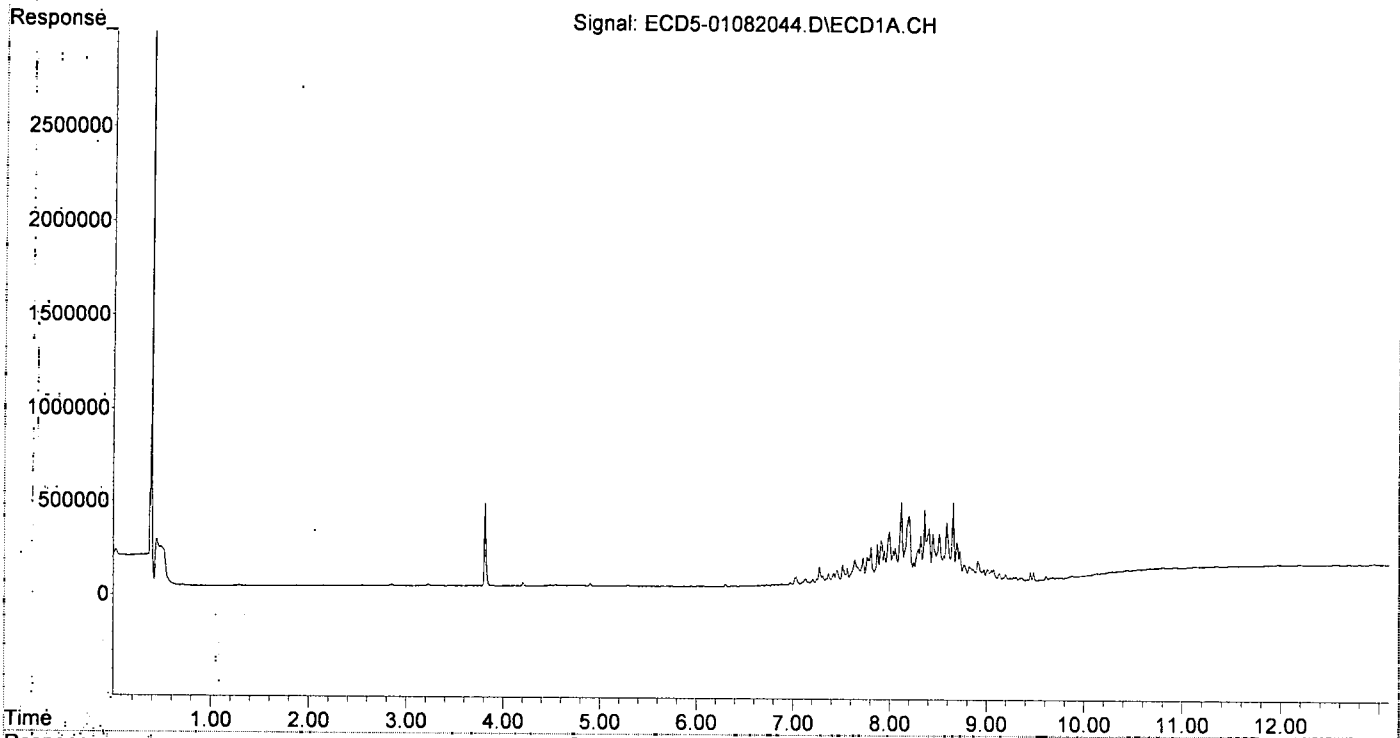
MJB
1/9/20

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
System Monitoring Compounds								
1)	S TCMX (S)	0.000	6.126	0	8106	N.D.	0.027	#
22)	S DCBP (S)	9.608	10.741	20760	14805	8131.846	0.083	#
Target Compounds								
2)	a-BHC	5.945	0.000	4256	0	0.016	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.299	0.000	14047	0	5931.859	N.D.	#
5)	Heptachlor	6.637	7.400f	4439	7279	0.020	0.021	
6)	d-BHC	6.472f	7.400f	3119	7279	0.014	0.079	#
7)	Aldrin	6.879	7.707	9410	22138	0.043	0.066	#
8)	Heptachlo...	7.366f	8.135	60918	85649	0.295	0.278	
9)	trans-Chl...	7.454	8.262f	76453	98390	0.363	0.316	
10)	cis-Chlor...	7.511f	8.413f	104733	102933	0.512	0.347	
11)	Endosulfa...	7.638	8.446	130286	127365	0.672	0.458	
12)	4,4'-DDE	7.561f	8.477	87855	143399	0.426	0.526	
13)	Diêldrin	7.805	8.659	197183	167470	0.916	0.542	#
14)	Endrin	7.945f	8.865	178491	330092	1.032	1.405	
15)	4,4'-DDD	8.033	8.918	176992	198023	1.025	0.806	
16)	Endosulfa...	8.117	9.006	433935	528362	2.543	2.163	
17)	4,4'-DDT	8.197	9.138	361054	213221	2.179	1.069	#
18)	Endrin Al...	8.405	9.250	291406	465078	1.903	2.080	
19)	Endosulfa...	8.723	9.454	161890	205588	1.012	0.927	
20)	Methoxychlor	8.586f	9.634	321308	522567	3.710	4.405	
21)	Endrin Ke...	8.907	9.875f	109946	96053	0.576	0.384	
23)	Hexachlor...	3.226f	3.814	8764	5943	0.044	0.015	#
24)	Hexachlor...	0.000	6.610	0	10986	N.D.	0.034	#
25)	Oxychlorane	7.272	8.084	96647	77711	0.351	0.278	
26)	2,4'-DDE	7.366f	8.262	60918	98390	0.427	0.467	
27)	trans-Non...	7.511	8.357	104733	103623	0.372	0.337	
28)	2,4'-DDD	7.723	8.659	143433	167470	1.127	0.908	
29)	2,4'-DDT	7.909	8.865	230670	330092	1.575	1.685	
30)	cis-Nonac...	7.994	8.918	276275	198023	1.172	0.580	#
31)	Mirex	8.654	9.875f	426816	96053	2.919	0.287	#
32)	Chlordane...	7.454	8.262	76453	98390	3.259	2.530	
33)	Chlordane...	7.511	8.413f	104733	102933	3.634	3.207	
34)	Chlordane...	8.057f	9.073	187839	848142	24.691	79.880	#
35)	Chlordane...	3.810	3.814	438290	5943	NoCal	NoCal	
36)	Toxaphene...	7.511	8.619	104733	261214	99.440	96.592	
37)	Toxaphene...	7.805	8.969	197183	329715	101.397	94.676	
38)	Toxaphene...	8.117	9.006	433935	528362	99.554	98.509	
39)	Toxaphene...	8.359	9.073	392871	848142	97.244	93.970	
40)	Toxaphene...	8.586	9.250	321308	465078	97.728	92.609	
41)	Toxaphene...	8.654	9.634	426816	522567	98.291	93.080	
42)	Toxaphene...	3.810	3.814	438290	5943	NoCal	NoCal	

(f)=RT: Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:15
 Operator : MJB
 Sample : 0A08041-CALS
 Misc : A19J418, TOX 100 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: Jan 09 11:34:14 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path R:\data\2020-01\0A08041\REQUANT\
 Data File ECD5-01082045.D
 Signal(s) Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On 09 Jan 2020 0:32
 Operator MJB
 Sample 0A08041-CALT
 Misc A19J419, TOX 200 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: Jan 09 11:34:29 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

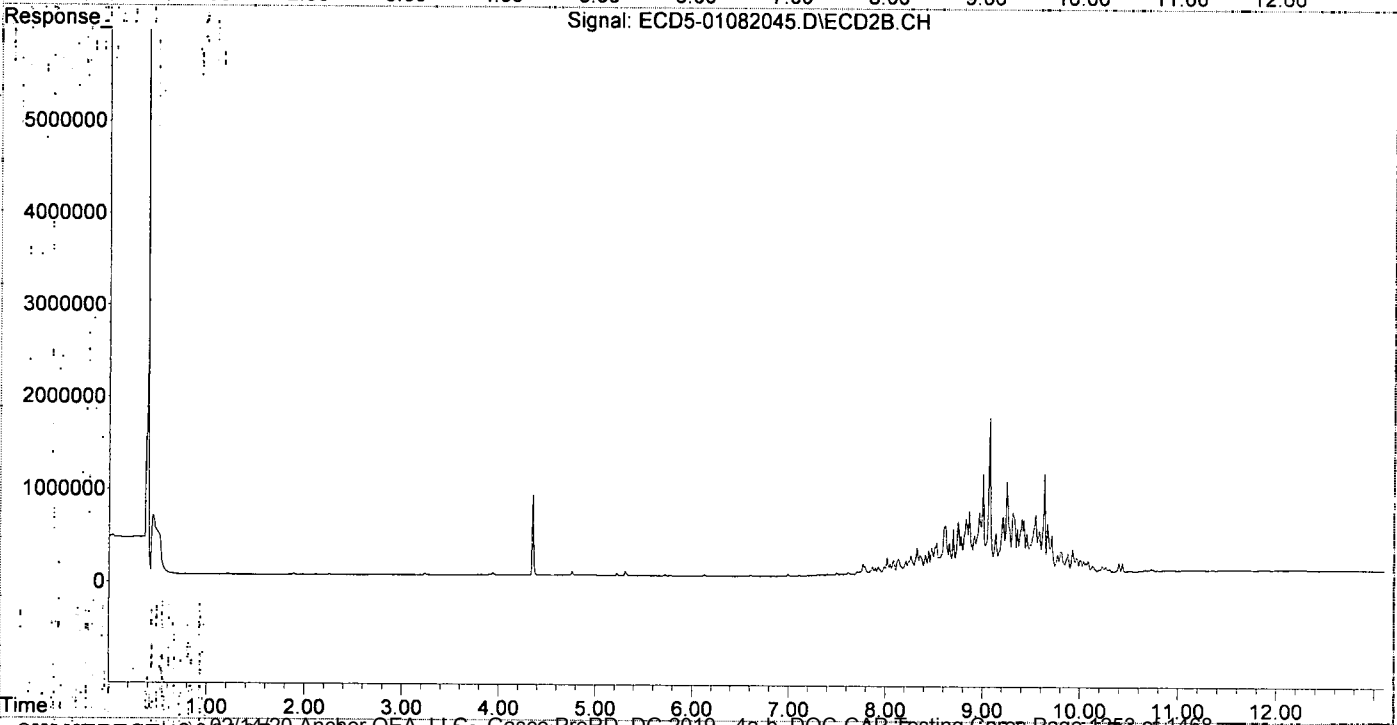
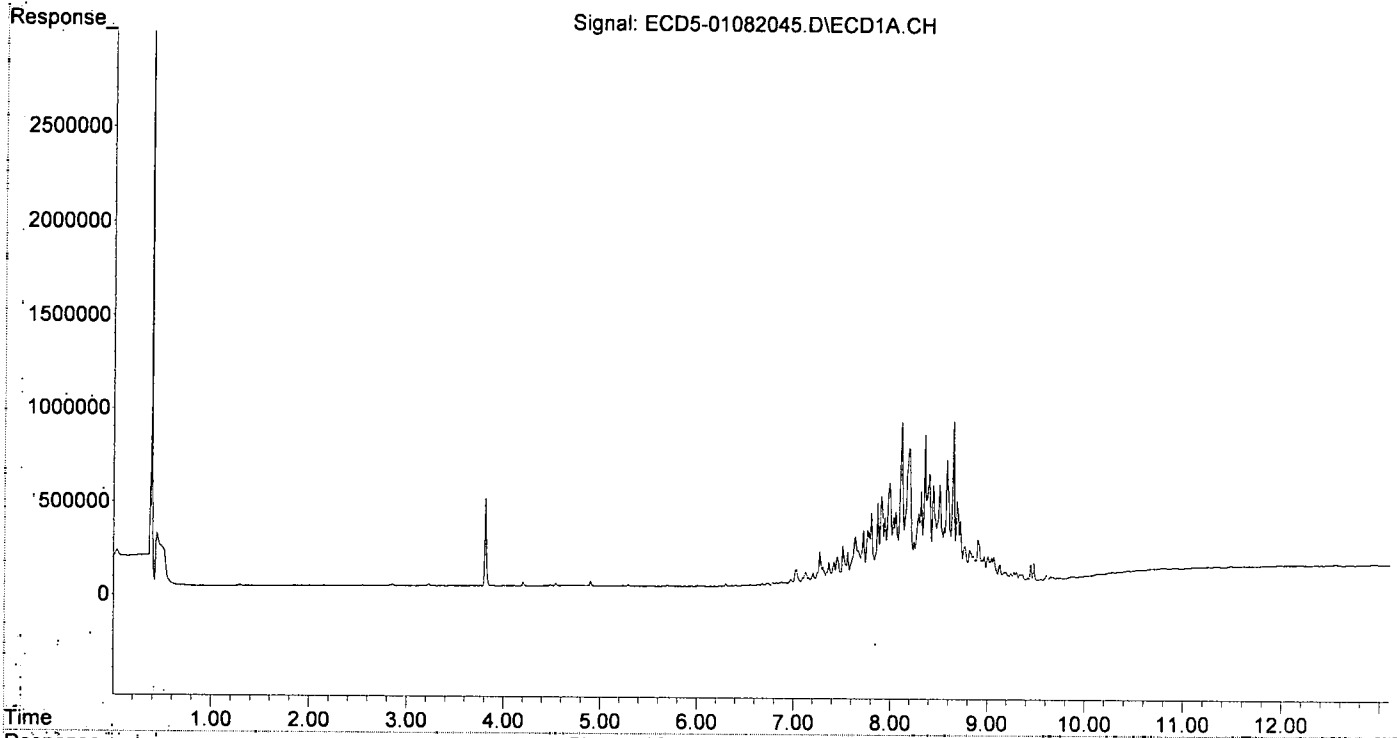
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.126	0	13896	N.D.	0.047 #
22) S DCBP (S)	9.606	10.739	25272	19008	0.013	0.107 #
Target Compounds						
2) a-BHC	5.945	0.000	5360	0	0.020	N.D. #
3) g-BHC	6.234	7.043	3329	4622	0.014	0.013
4) h-BHC	6.299	7.108	15844	8082	5931.840	0.050 #
5) Heptachlor	6.638	7.438	8500	6202	0.037	0.017 #
6) d-BHC	6.472f	7.402f	5212	11332	0.024	0.091 #
7) Aldrin	6.878	7.709	20493	34233	0.093	0.103
8) Heptachlo...	7.366f	8.134	119705	169749	0.581	0.551
9) trans-Chl...	7.453	8.262f	149190	200771	0.708	0.644
10) cis-Chlor...	7.511f	8.413f	206853	209041	1.011	0.705
11) Endosulfa...	7.638	8.446	256038	256404	1.321	0.923
12) 4,4'-DDE	7.561f	8.477	173165	286308	0.840	1.016
13) Dieldrin	7.805	8.659	382017	334326	1.774	1.082
14) Endrin	7.945f	8.865	355839	682951	2.057	2.907 #
15) 4,4'-DDD	8.033	8.918	355791	411161	2.061	1.673
16) Endosulfa...	8.117	9.006	864754	1076876	5.068	4.408
17) 4,4'-DDT	8.196	9.138	722209	438860	4.360	2.103 #
18) Endrin Al...	8.404	9.250	588881	985020	3.846	4.405
19) Endosulfa...	8.722	9.454	326495	429108	2.040	1.936
20) Methoxychlor	8.586f	9.634	655616	1071997	7.570	9.036
21) Endrin Ke...	8.907	9.875f	225853	208324	1.183	0.832
23) Hexachlor...	3.227f	0.000	10049	0	0.050	N.D. #
24) Hexachlor...	0.000	6.609	0	11407	N.D.	0.036 #
25) Oxychlorane	7.273	8.084	177787	150553	0.816	0.538
26) 2,4'-DDE	7.366f	8.262	119705	200771	0.839	0.953
27) trans-Non...	7.511	8.356	206853	209284	0.887	0.681
28) 2,4'-DDD	7.723	8.659	287006	334326	2.256	1.813
29) 2,4'-DDT	7.909	8.865	470166	682951	3.210	3.585
30) cis-Nonac...	7.994	8.918	540540	411161	2.293	1.205 #
31) Mirex	8.653	9.875f	851655	208324	6.073	0.937 #
32) Chlordane...	7.453	8.262	149190	200771	6.359	5.162
33) Chlordane...	7.511	8.413f	206853	209041	7.177	6.513
34) Chlordane...	8.057f	9.073	383346	1691190	50.390	159.280 #
35) Chlordane...	3.811	0.000	469257	0	NoCal	N.D.
36) Toxaphene...	7.511	8.619	206853	527041	196.400	194.889
37) Toxaphene...	7.805	8.968	382017	671993	196.444	192.960
38) Toxaphene...	8.117	9.006	864754	1076876	202.242	203.068
39) Toxaphene...	8.358	9.073	791104	1691190	195.816	187.375
40) Toxaphene...	8.586	9.250	655616	985020	199.410	196.143
41) Toxaphene...	8.653	9.634	851655	1071997	196.127	190.945
42) Toxaphene...	3.811	0.000	469257	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 0:32
Operator : MJB
Sample : 0A08041-CALT
Misc : A19J419, TOX 200 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: Jan 09 11:34:29 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:50
 Operator : MJB
 Sample : 0A08041-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:34:42 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

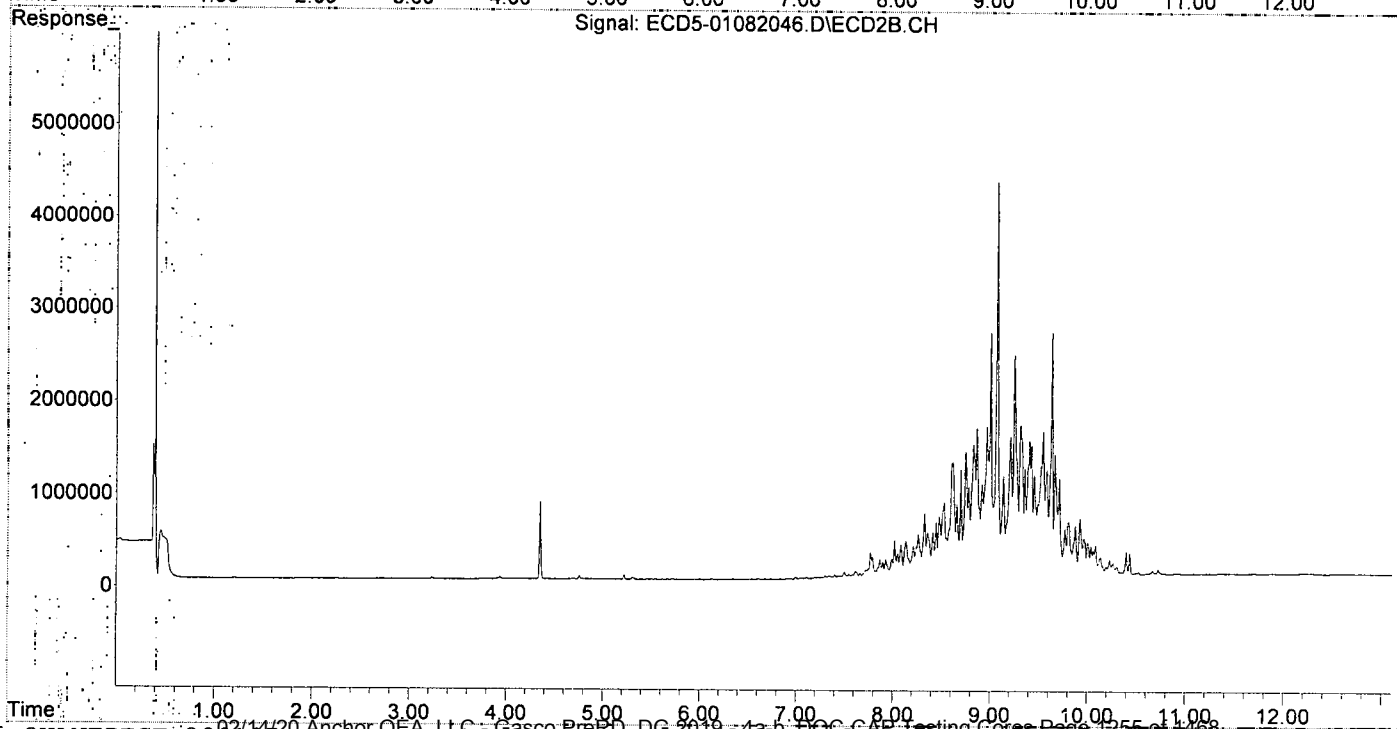
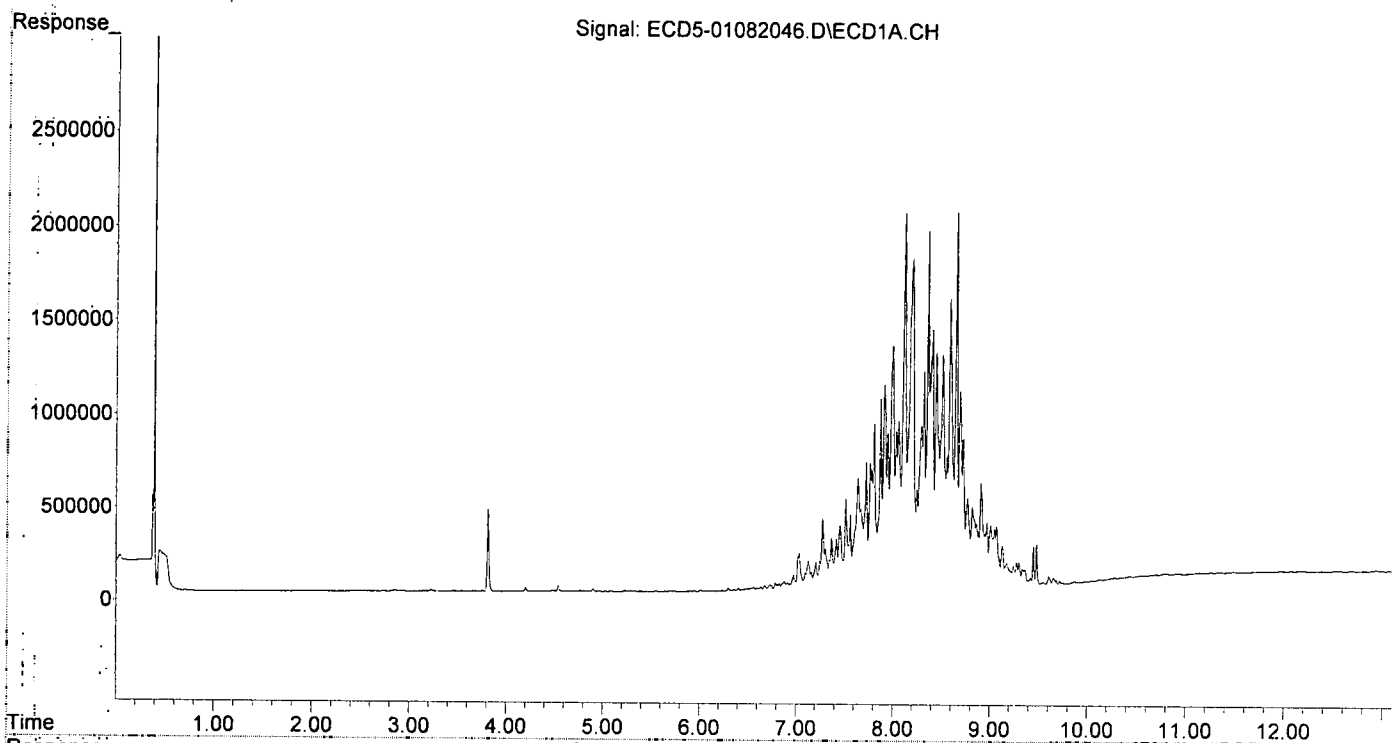
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.129	0	7804	N.D.	0.026 #
22) S DCBP (S)	9.606	10.721f	44055	55400	0.139	0.311 #
Target Compounds						
2) a-BHC	5.946	6.735	6193	6032	0.024	0.015
3) g-BHC	6.236	7.046	2957	14791	0.013	0.041 #
4) b-BHC	6.300	7.108	16971	20876	0.006	0.130 #
5) Heptachlor	6.639	7.437	16984	32563	0.075	0.092
6) d-BHC	6.439	7.373	7193	24755	0.033	0.131 #
7) Aldrin	6.880	7.727f	45255	91537	0.205	0.275
8) Heptachlo...	7.367f	8.135	271381	400897	1.316	1.301
9) trans-Chl...	7.453	8.262f	338887	469423	1.608	1.505
10) cis-Chlor...	7.511f	8.413f	479175	489431	2.342	1.650
11) Endosulfa...	7.639	8.446	593579	597367	3.063	2.150
12) 4,4'-DDE	7.561f	8.477	393792	654626	1.910	2.278
13) Dieldrin	7.805	8.659	883414	789058	4.102	2.554
14) Endrin	7.944f	8.865	832925	1611975	4.814	6.860 #
15) 4,4'-DDD	8.033	8.917	839321	1005541	4.861	4.091
16) Endosulfa...	8.117	9.006	1995985	2635386	11.699	10.788
17) 4,4'-DDT	8.196	9.138	1749906	1090152	10.563	5.068 #
18) Endrin Al...	8.404	9.249	1392184	2386520	9.093	10.673
19) Endosulfa...	8.723	9.453	792604	1091537	4.953	4.924
20) Methoxychlor	8.556	9.634	694113	2631287	8.014	22.178 #
21) Endrin Ke...	8.908	9.875	544417	538507	2.851	2.150
23) Hexachlor...	3.226f	0.000	8479	0	0.043	N.D. #
24) Hexachlor...	0.000	6.611	0	10085	N.D.	0.032 #
25) Oxychlordane	7.274	8.084	380573	355581	1.979	1.271
26) 2,4'-DDE	7.367f	8.262	271381	469423	1.903	2.229
27) trans-Non...	7.511	8.357	479175	487144	2.260	1.584
28) 2,4'-DDD	7.723	8.659	674807	789058	5.304	4.278
29) 2,4'-DDT	7.909	8.865	1092106	1611975	7.456	8.526
30) cis-Nonac...	7.994	8.917	1307739	1005541	5.548	2.948 #
31) Mirex	8.653	9.875f	1981771	538507	14.478	2.843 #
32) Chlordane...	7.453	8.262	338887	469423	14.444	12.068
33) Chlordane...	7.511	8.413f	479175	489431	16.626	15.248
34) Chlordane...	8.057f	9.072	896286	4280691	117.815	403.164 #
35) Chlordane...	3.810	0.000	441054	0	NoCal	N.D.
36) Toxaphene...	7.511	8.619	479175	1253802	454.961	463.631
37) Toxaphene...	7.805	8.969	883414	1627963	454.276	467.462
38) Toxaphene...	8.117	9.006	1995985	2635386	470.554	490.821
39) Toxaphene...	8.358	9.072	1900476	4280691	470.411	474.279
40) Toxaphene...	8.586	9.249	1539706	2386520	468.312	475.218
41) Toxaphene...	8.653	9.634	1981771	2631287	456.381	468.687
42) Toxaphene...	3.810	0.000	441054	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 0:50
Operator : MJB
Sample : 0A08041-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:34:42 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 1:07
 Operator : MJB
 Sample : 0A08041-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:34:54 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

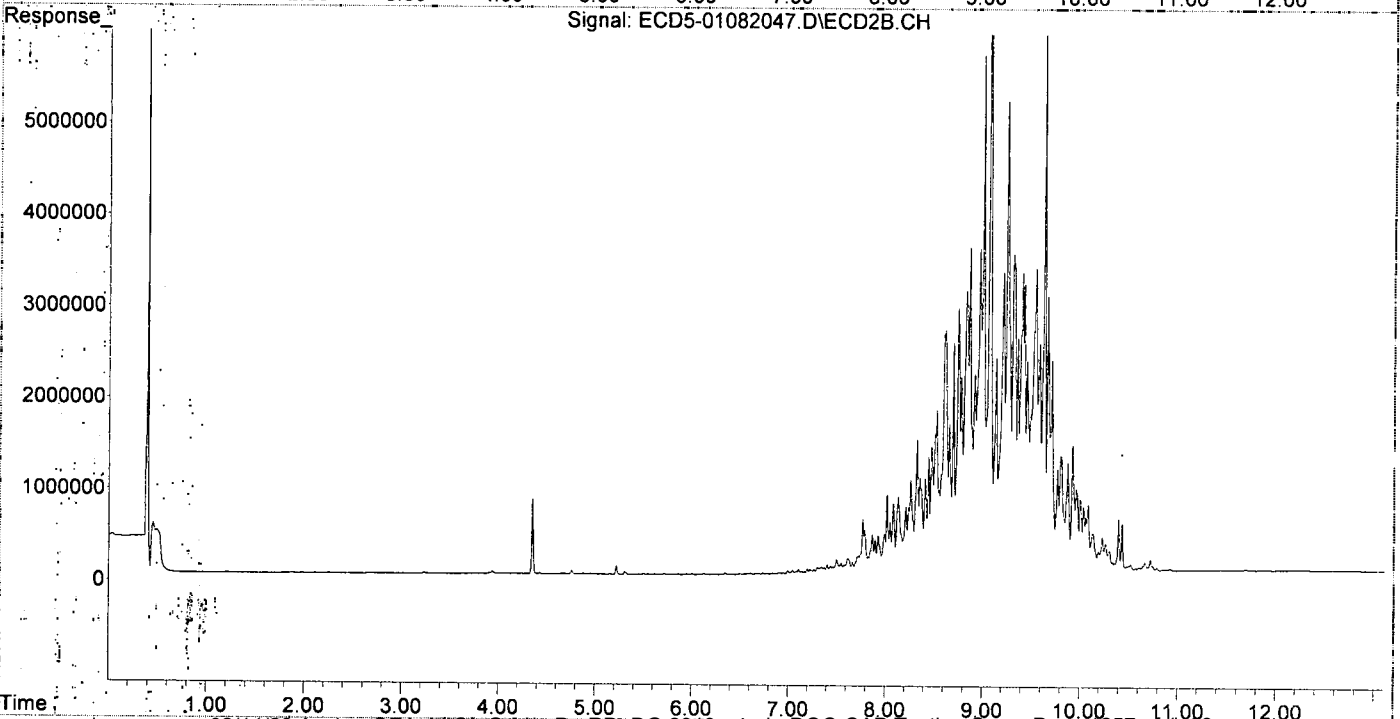
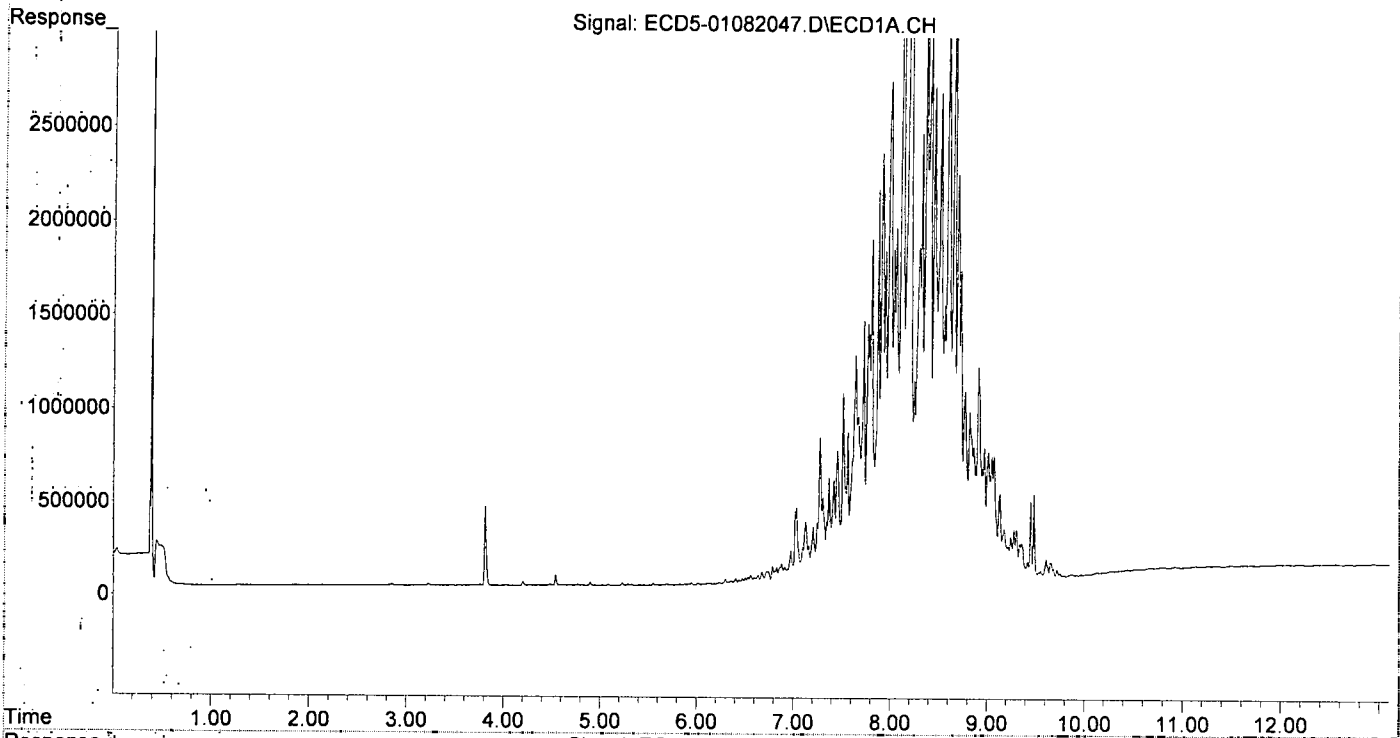
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.126	0	13047	N.D.	0.044 #
22) S DCBP (S)	9.606	10.722f	95692	121145	0.484	0.681 #
Target Compounds						
2) a-BHC	5.944	6.734	11109	14015	0.042	0.034
3) g-BHC	6.236	7.045	9004	40492	0.039	0.111 #
4) b-BHC	6.298	7.107	25729	49440	0.095	0.307 #
5) Heptachlor	6.637	7.436	42305	81211	0.186	0.229
6) d-BHC	6.438	7.372	22094	66016	0.101	0.254 #
7) Aldrin	6.879	7.727f	103392	193690	0.469	0.582
8) Heptachlo...	7.367f	8.134	557310	830095	2.703	2.695
9) trans-Chl...	7.454	8.261f	707627	1011385	3.358	3.243
10) cis-Chlor...	7.511f	8.412f	998436	1028397	4.879	3.467
11) Endosulfa...	7.638	8.445	1217140	1264131	6.280	4.549
12) 4,4'-DDE	7.560f	8.475	802655	1377731	3.893	4.743
13) Dieldrin	7.804	8.658	1834370	1616816	8.517	5.234
14) Endrin	7.992f	8.864	2666080	3528992	15.409	15.019
15) 4,4'-DDD	8.032	8.918	1772227	2155338	10.265	8.768
16) Endosulfa...	8.116	9.006	4209954	5617496	24.675	22.994
17) 4,4'-DDT	8.197	9.137	3669550	2330535	22.151	10.634 #
18) Endrin Al...	8.404	9.249	2941624	5120001	19.212	22.898
19) Endosulfa...	8.722	9.453	1652825	2284792	10.328	10.307
20) Methoxychlor	8.556	9.634	1470218	5832985	16.975	49.165 #
21) Endrin Ke...	8.907	9.875f	1124761	1183656	5.890	4.726
23) Hexachlor...	3.225f	0.000	9925	0	0.050	N.D. #
24) Hexachlor...	0.000	6.610	0	13117	N.D.	0.041 #
25) Oxychlorthane	7.273	8.083	779241	764569	4.265	2.734
26) 2,4'-DDE	7.367f	8.261	557310	1011385	3.908	4.803
27) trans-Non...	7.511	8.356	998436	1030447	4.878	3.351
28) 2,4'-DDD	7.722	8.658	1400046	1616816	11.004	8.766
29) 2,4'-DDT	7.908	8.864	2261371	3528992	15.438	18.452
30) cis-Nonac...	7.992	8.918	2666080	2155338	11.312	6.318 #
31) Mirex	8.652	9.875f	4202272	1183656	31.054	6.544 #
32) Chlordane...	7.454	8.261f	707627	1011385	30.161	26.002
33) Chlordane...	7.511	8.412f	998436	1028397	34.643	32.039
34) Chlordane...	8.056f	9.073	1893624	9024517	248.912	849.948 #
35) Chlordane...	3.810	0.000	422216	0	NoCal	N.D.
36) Toxaphene...	7.511	8.618	998436	2637347	947.982	975.239
37) Toxaphene...	7.804	8.968	1834370	3517411	943.284	1010.008
38) Toxaphene...	8.116	9.006	4209954	5617496	990.266	1008.062
39) Toxaphene...	8.358	9.073	3974783	9024517	983.848	999.872
40) Toxaphene...	8.586	9.249	3276318	5120001	996.514	1019.524
41) Toxaphene...	8.652	9.634	4202272	5832985	967.739	1038.976
42) Toxaphene...	3.810	0.000	422216	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 1:07
Operator : MJB
Sample : 0A08041-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:34:54 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\REQUANT\
 Data File : ECD5-01082048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 1:24
 Operator : MJB
 Sample : 0A08041-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:35:07 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:11:29 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

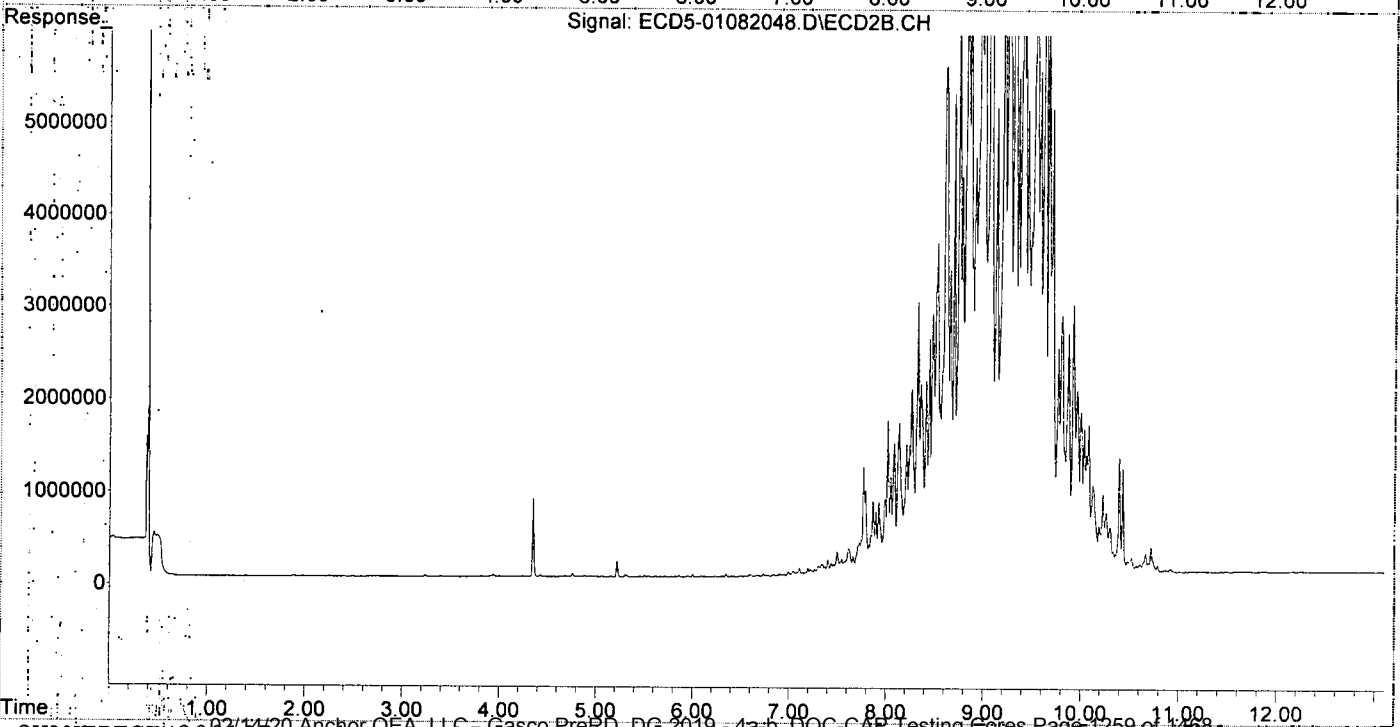
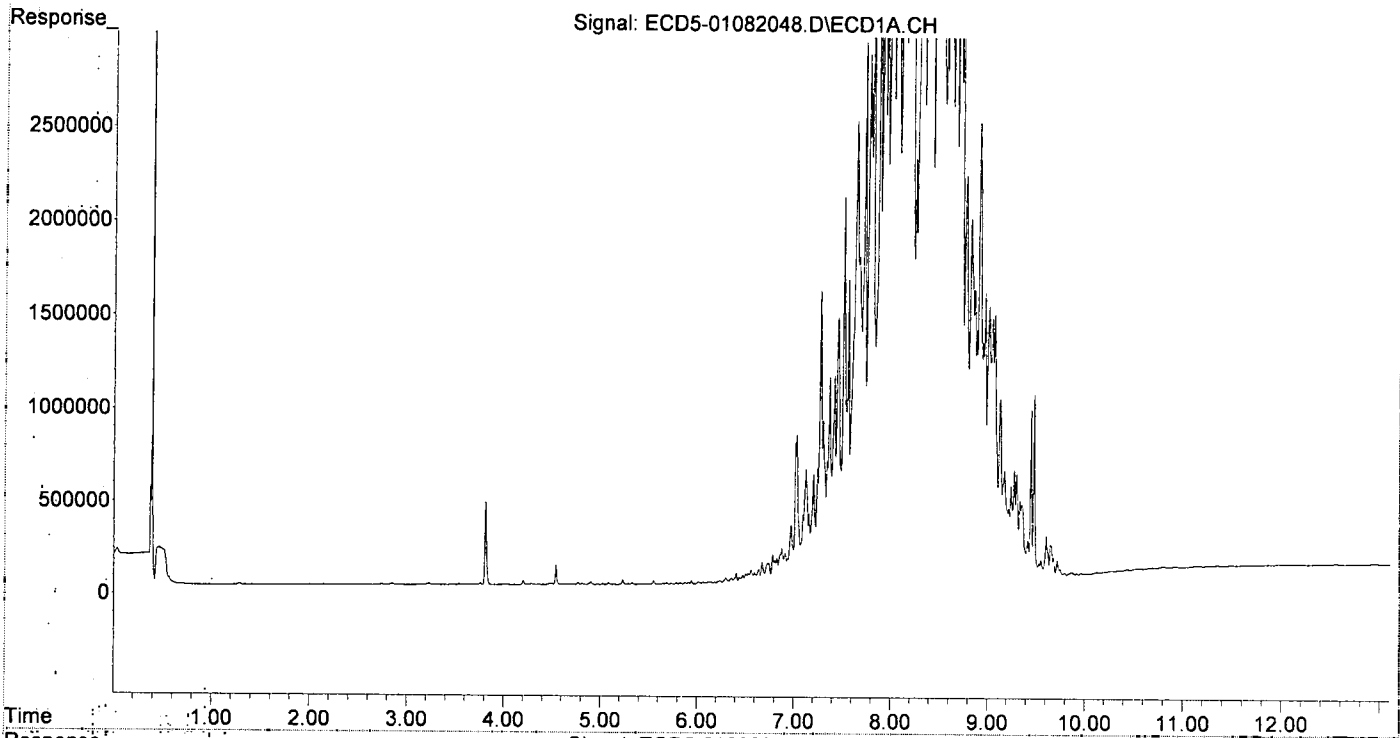
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	6.122	0	8337	N.D.	0.028 #
22) S DCBP (S)	9.604	10.720f	210895	271602	1.254	1.526
Target Compounds						
2) a-BHC	5.942	6.733	18262	25451	0.069	0.062
3) g-BHC	6.233	7.044	13706	57200	0.059	0.157 #
4) b-BHC	6.295	7.107	30266	89465	0.141	0.556 #
5) Heptachlor	6.638	7.435	69077	134683	0.304	0.380
6) d-BHC	6.437	7.371	30544	100930	0.140	0.358 #
7) Aldrin	6.877	7.726f	178785	356770	0.810	1.071
8) Heptachlor...	7.365f	8.133	1094958	1648597	5.311	5.352
9) trans-Chlor...	7.451	8.261f	1414627	2017677	6.713	6.470
10) cis-Chlor...	7.558f	8.411	1611078	2099671	7.873	7.078
11) Endosulfa...	7.636	8.444	2462674	2550745	12.707	9.179
12) 4,4'-DDE	7.558f	8.474	1611078	2822174	7.814	9.623
13) Dieldrin	7.803	8.658	3726169	3299618	17.301	10.681
14) Endrin	7.991f	8.863	5584779	7569912	32.279	32.217
15) 4,4'-DDD	8.031	8.917	3635045	4516982	21.054	18.376
16) Endosulfa...	8.115	9.005	8745207	11973110	51.256	49.010
17) 4,4'-DDT	8.195f	9.136	7437975	5062502	44.899	22.541 #
18) Endrin Al...	8.402	9.249	6078340	11218014	39.699	50.169
19) Endosulfa...	8.721	9.453	3549340	5027515	22.178	22.680
20) Methoxychlor	8.555	9.633	3078150	12652600	35.541	106.645 #
21) Endrin Ke...	8.906	9.874	2424035	2592440	12.693	10.352
23) Hexachlor...	3.226f	3.814	8179	7869	0.041	0.020 #
24) Hexachlor...	5.785	6.596	8236	22464	BelowCal	0.070
25) Oxychlorthane	7.271	8.082	1549062	1430330	8.675	5.114 #
26) 2,4'-DDE	7.365f	8.261	1094958	2017677	7.679	9.581
27) trans-Non...	7.509	8.355	2042518	2068875	10.138	6.728
28) 2,4'-DDD	7.721	8.658	2872671	3299618	22.578	17.890
29) 2,4'-DDT	7.907	8.863	4627961	7569912	31.595	38.324
30) cis-Nonac...	7.991	8.917	5584779	4516982	23.695	13.241 #
31) Mirex	8.651	9.874f	8969660	2592440	66.924	14.525 #
32) Chlordane...	7.451	8.261f	1414627	2017677	60.295	51.872
33) Chlordane...	7.509f	8.411f	2042518	2099671	70.870	65.415
34) Chlordane...	8.055f	9.072	3914408	20090728	514.540	1892.187 #
35) Chlordane...	3.810	3.814	450030	7869	NoCal	NoCal
36) Toxaphene...	7.509	8.617	2042518	5518631	1939.304	2040.682
37) Toxaphene...	7.803	8.967	3726169	7483834	1916.099	2148.947
38) Toxaphene...	8.115	9.005	8745207	11973110	2033.552	1998.126
39) Toxaphene...	8.356	9.072	8089085	20090728	2002.230	2225.953
40) Toxaphene...	8.585	9.249	6836043	11218014	2079.229	2233.795
41) Toxaphene...	8.651	9.633	8969660	12652600	2065.619	2253.691
42) Toxaphene...	3.810	3.814	450030	7869	NoCal	NoCal

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : R:\data\2020-01\0A08041\REQUANT\
Data File : ECD5-01082048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 1:24
Operator : MJB
Sample : 0A08041-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:35:07 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence Name: C:\msdchem\4\sequence\0A08041.s

Comment: Pesticides

Operator: MJB

Data Path: C:\MSDCHEM\4\DATA\2020-01\0A08041\

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	ECD5-01082001
	Method	ECD5_AQUPEST_160111
2)	Sample	1 Hexane
	Datafile	ECD5-01082002
	Method	ECD5_AQUPEST_160111
3)	Sample	2 0A08041-BKD1
	Datafile	ECD5-01082003
	Method	ECD5_AQUPEST_160111
4)	Sample	3 0A08041-CCV1
	Datafile	ECD5-01082004
	Method	ECD5_AQUPEST_160111
5)	Sample	1 Hexane
	Datafile	ECD5-01082005
	Method	ECD5_AQUPEST_160111
6)	Sample	1 Hexane
	Datafile	ECD5-01082006
	Method	ECD5_AQUPEST_160111
7)	Sample	2 0A08041-BKD2
	Datafile	ECD5-01082007
	Method	ECD5_AQUPEST_160111
8)	Sample	3 0A08041-CCV2
	Datafile	ECD5-01082008
	Method	ECD5_AQUPEST_160111
9)	Sample	4 0A08041-CCV3
	Datafile	ECD5-01082009
	Method	ECD5_AQUPEST_160111
10)	Sample	7 0A08041-ICB1
	Datafile	ECD5-01082010
	Method	ECD5_AQUPEST_160111
11)	Sample	8 0A08041-CAL1
	Datafile	ECD5-01082011
	Method	ECD5_AQUPEST_160111
12)	Sample	9 0A08041-CAL2
	Datafile	ECD5-01082012
	Method	ECD5_AQUPEST_160111
13)	Sample	10 0A08041-CAL3
	Datafile	ECD5-01082013
	Method	ECD5_AQUPEST_160111
14)	Sample	11 0A08041-CAL4
	Datafile	ECD5-01082014
	Method	ECD5_AQUPEST_160111
15)	Sample	12 0A08041-CAL5
	Datafile	ECD5-01082015
	Method	ECD5_AQUPEST_160111
16)	Sample	13 0A08041-CAL6
	Datafile	ECD5-01082016
	Method	ECD5_AQUPEST_160111
17)	Sample	14 0A08041-CAL7
	Datafile	ECD5-01082017
	Method	ECD5_AQUPEST_160111
18)	Sample	15 0A08041-CAL8
	Datafile	ECD5-01082018
	Method	ECD5_AQUPEST_160111
19)	Sample	16 0A08041-CAL9
	Datafile	ECD5-01082019
	Method	ECD5_AQUPEST_160111
20)	Sample	1 0A08041-IBL1

Not Entered. ccv failed,

Replaced found column. MJB 1/9/20

Not Entered.

	Datafile		ECD5-01082020
	Method		ECD5_AQUPEST_160111
21)	Sample	17	0A08041-ICV1
	Datafile		ECD5-01082021
	Method		ECD5_AQUPEST_160111
22)	Sample	18	0A08041-CALA
	Datafile		ECD5-01082022
	Method		ECD5_AQUPEST_160111
23)	Sample	19	0A08041-CALB
	Datafile		ECD5-01082023
	Method		ECD5_AQUPEST_160111
24)	Sample	20	0A08041-CALC
	Datafile		ECD5-01082024
	Method		ECD5_AQUPEST_160111
25)	Sample	21	0A08041-CALD
	Datafile		ECD5-01082025
	Method		ECD5_AQUPEST_160111
26)	Sample	22	0A08041-CALE
	Datafile		ECD5-01082026
	Method		ECD5_AQUPEST_160111
27)	Sample	23	0A08041-CALF
	Datafile		ECD5-01082027
	Method		ECD5_AQUPEST_160111
28)	Sample	24	0A08041-CALG
	Datafile		ECD5-01082028
	Method		ECD5_AQUPEST_160111
29)	Sample	25	0A08041-CALH
	Datafile		ECD5-01082029
	Method		ECD5_AQUPEST_160111
30)	Sample	26	0A08041-CALI
	Datafile		ECD5-01082030
	Method		ECD5_AQUPEST_160111
31)	Sample	1	0A08041-IBL2
	Datafile		ECD5-01082031
	Method		ECD5_AQUPEST_160111
32)	Sample	27	0A08041-ICV2
	Datafile		ECD5-01082032
	Method		ECD5_AQUPEST_160111
33)	Sample	28	0A08041-CALJ
	Datafile		ECD5-01082033
	Method		ECD5_AQUPEST_160111
34)	Sample	29	0A08041-CALK
	Datafile		ECD5-01082034
	Method		ECD5_AQUPEST_160111
35)	Sample	30	0A08041-CALL
	Datafile		ECD5-01082035
	Method		ECD5_AQUPEST_160111
36)	Sample	31	0A08041-CALM
	Datafile		ECD5-01082036
	Method		ECD5_AQUPEST_160111
37)	Sample	32	0A08041-CALN
	Datafile		ECD5-01082037
	Method		ECD5_AQUPEST_160111
38)	Sample	33	0A08041-CALO
	Datafile		ECD5-01082038
	Method		ECD5_AQUPEST_160111
39)	Sample	34	0A08041-CALP
	Datafile		ECD5-01082039
	Method		ECD5_AQUPEST_160111
40)	Sample	1	0A08041-IBL3
	Datafile		ECD5-01082040
	Method		ECD5_AQUPEST_160111
41)	Sample	35	0A08041-ICV3
	Datafile		ECD5-01082041
	Method		ECD5_AQUPEST_160111
42)	Sample	36	0A08041-CALQ
	Datafile		ECD5-01082042
	Method		ECD5_AQUPEST_160111
43)	Sample	37	0A08041-CALR
	Datafile		ECD5-01082043
	Method		ECD5_AQUPEST_160111

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	38	0A08041-CALS		
	Datafile		ECD5-01082044		
	Method		ECD5_AQUPEST_160111		
45)	Sample	39	0A08041-CALT		
	Datafile		ECD5-01082045		
	Method		ECD5_AQUPEST_160111		
46)	Sample	40	0A08041-CALU		
	Datafile		ECD5-01082046		
	Method		ECD5_AQUPEST_160111		
47)	Sample	41	0A08041-CALV		
	Datafile		ECD5-01082047		
	Method		ECD5_AQUPEST_160111		
48)	Sample	42	0A08041-CALW		
	Datafile		ECD5-01082048		
	Method		ECD5_AQUPEST_160111		
49)	Sample	1	0A08041-IBL4		
	Datafile		ECD5-01082049		
	Method		ECD5_AQUPEST_160111		
50)	Sample	43	0A08041-ICV4		
	Datafile		ECD5-01082050		
	Method		ECD5_AQUPEST_160111		

Pesticide BKD

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0A08041 BKD2
Data File: ECD5-01082007.D

First Column Area Counts		Percent Breakdown	
DDE	694215		
DDD	2585201		
DDT	157269365	2.04	PASS
Endrin	86077062	4.85	PASS
Endrin Aldehyde	1367276		
Endrin Ketone	3024431		

Second Column Area Counts		Percent Breakdown	
DDE	1173559		
DDD	6068732		
DDT	223202763	3.14	PASS
Endrin	118030441	5.35	PASS
Endrin Aldehyde	2741749		
Endrin Ketone	3932905		

Breakdown must be less than 15% to accept sample data.

*WJB
8/6/13*

Data Path : C:\msdchem\4\data\2020-01\0A08041\
 Data File : ECD5-01082007.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 13:35
 Operator : MJB
 Sample : 0A08041-BKD2
 Misc : A20A019
 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: Jan 08 17:07:19 2020
 Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
 Quant Title : Pesticides
 QLast Update : Wed Jan 08 14:21:31 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	7.600	694215	NoCal	ng/mL
2) Endrin	7.973	86077062	NoCal	ng/mL
3) 4,4'-DDD	8.021	2585201	NoCal	ng/mL
4) 4,4'-DDT	8.220	157269365	NoCal	ng/mL
5) Endrin Aldehyde	8.420	1367276	NoCal	ng/mL
6) Endrin Ketone	8.917	3024431	NoCal	ng/mL
8) 4,4'-DDE [2C]	8.497	1173559	NoCal	ng/mL
9) Endrin [2C]	8.879	118030441	NoCal	ng/mL
10) 4,4'-DDD [2C]	8.914	6068732	NoCal	ng/mL
11) Endrin Aldehyde [2C]	9.263	2741749	NoCal	ng/mL
12) 4,4'-DDT [2C]	9.143	223202763	NoCal	ng/mL
13) Endrin Ketone [2C]	9.859	3932905	NoCal	ng/mL

(f)=RT Delta > 1/2 Window

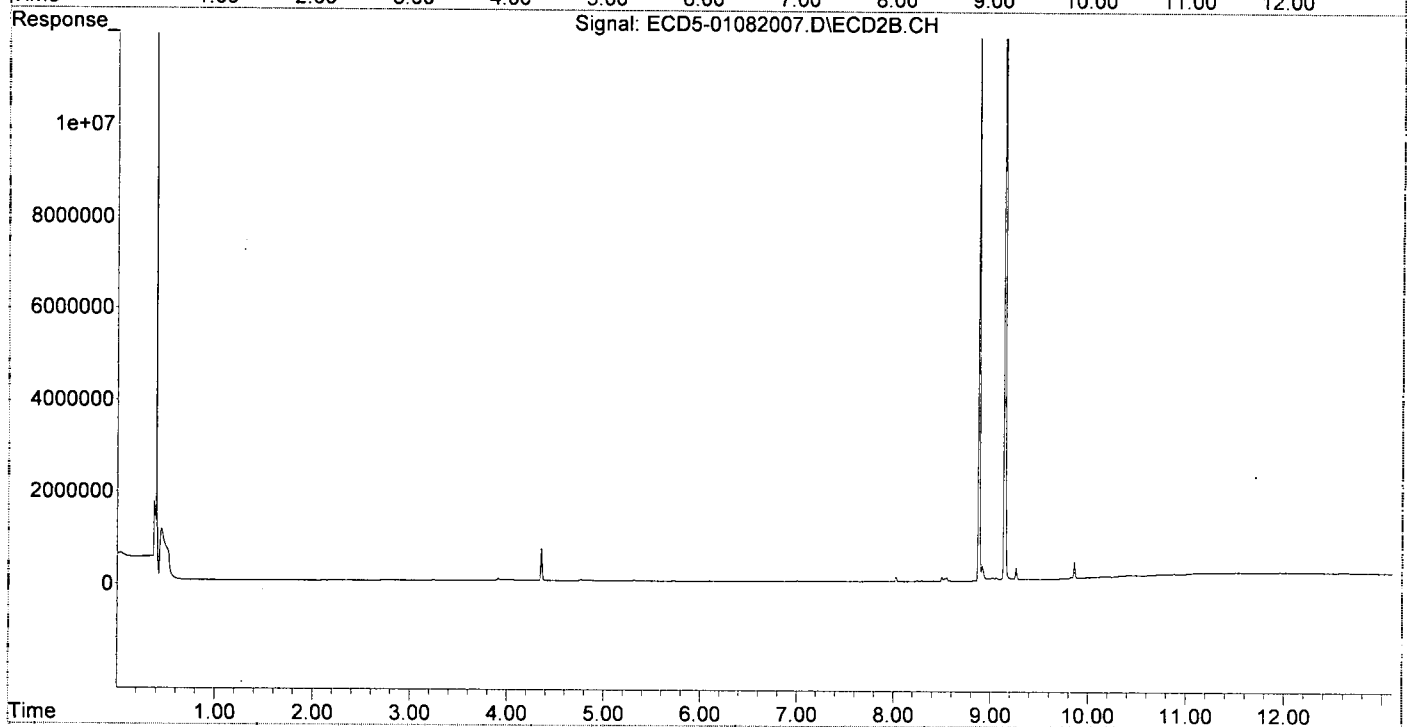
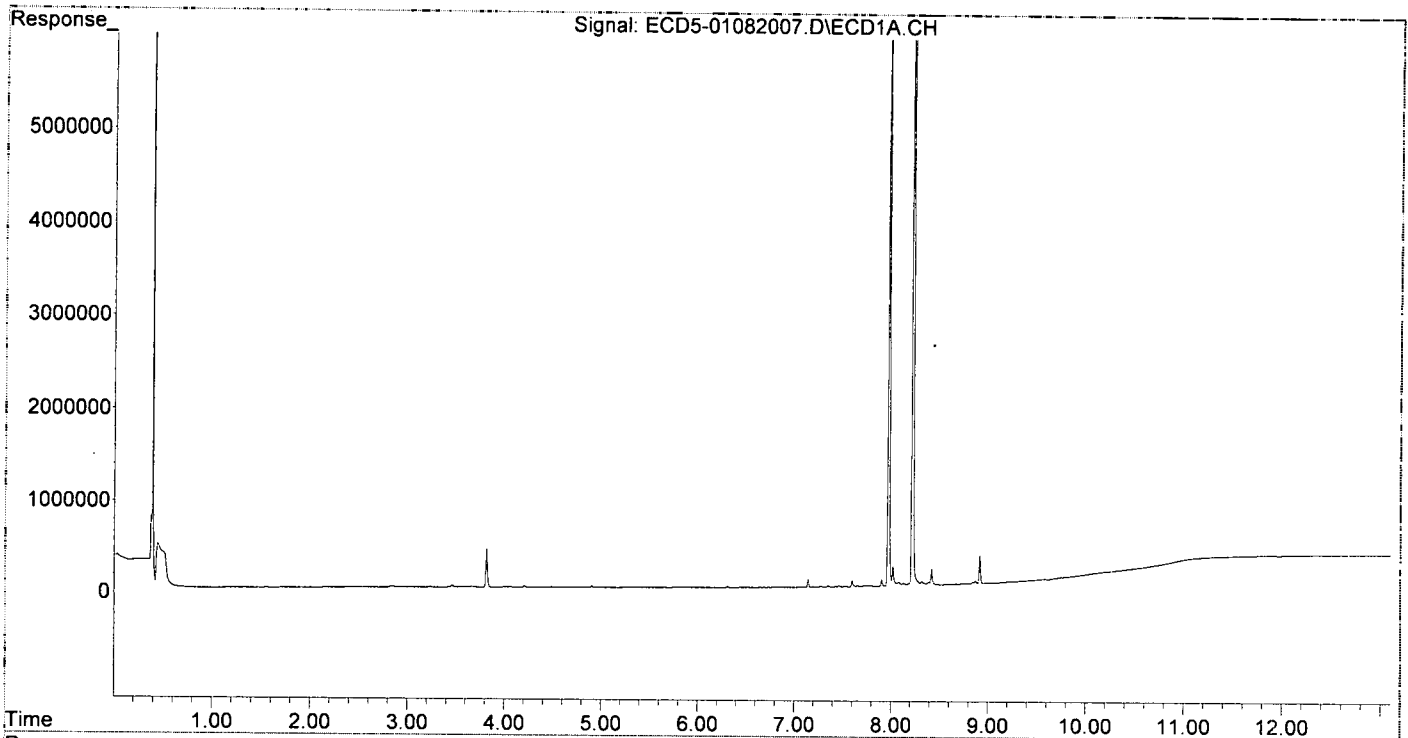
(m)=manual int.

MJB 1/8/20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\4\data\2020-01\0A08041\
Data File : ECD5-01082007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 13:35
Operator : MJB
Sample : 0A08041-BKD2
Misc : A20A019
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: Jan 08 17:07:19 2020
Quant Method : C:\msdchem\4\methods\PestBreakdownCHK_200107.M
Quant Title : Pesticides
QLast Update : Wed Jan 08 14:21:31 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082011.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 14:50
 Operator : MJB
 Sample : 0A08041-CAL1
 Misc : A20A094, AB 0.5 ppb
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 08 17:12:57 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

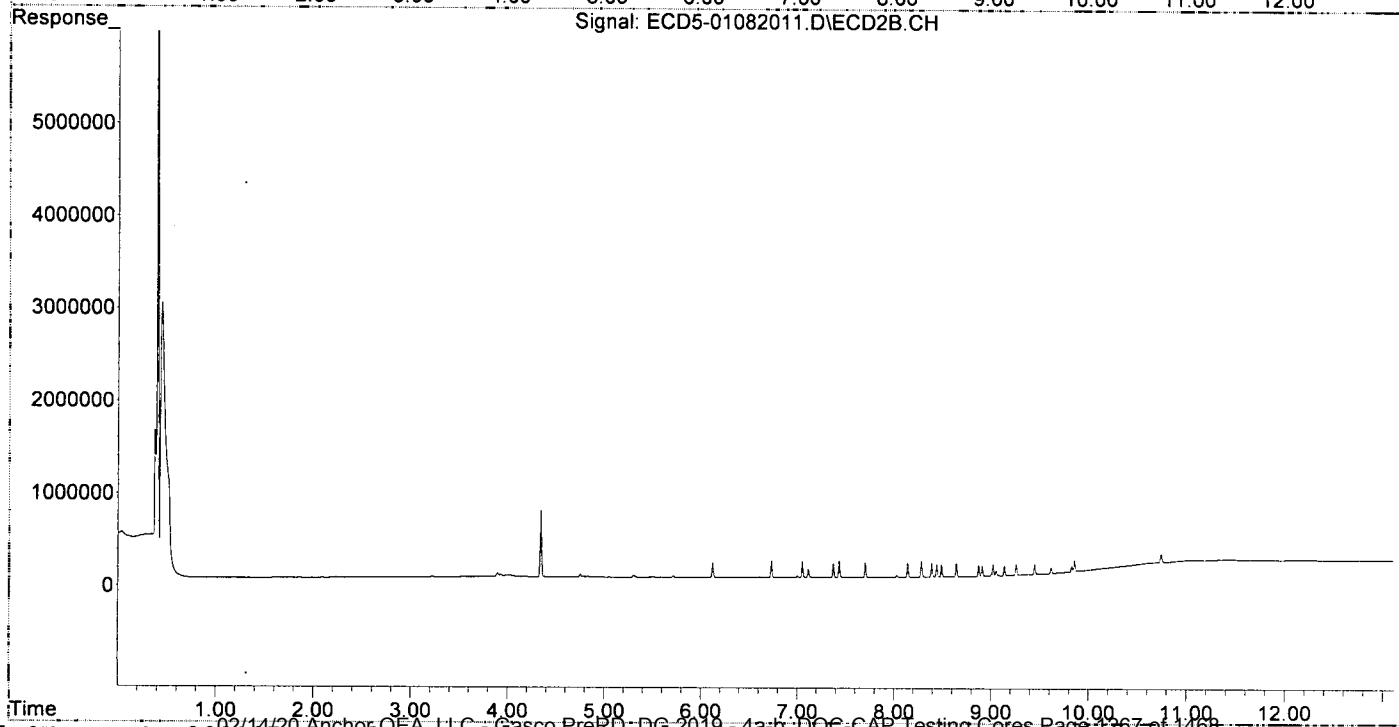
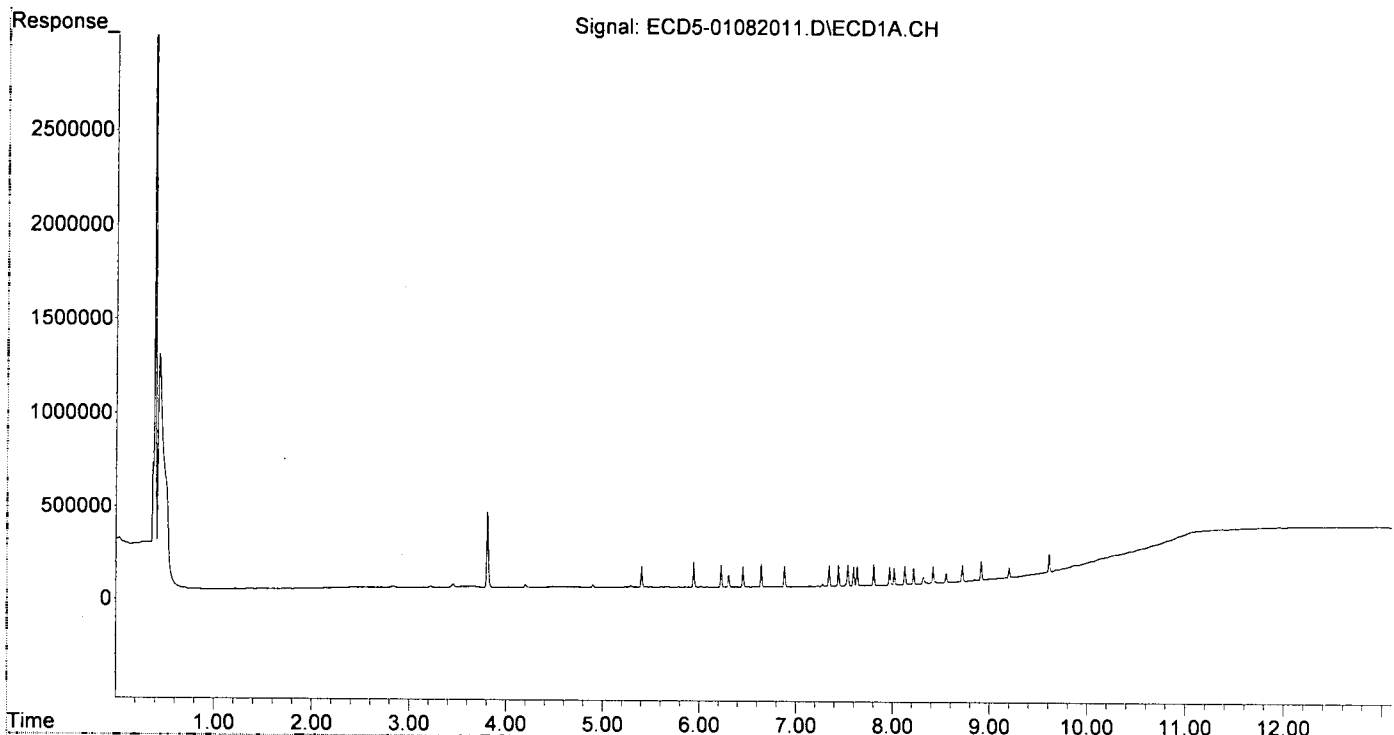
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.123	112863	158219	0.633	0.533
22) S DCBP (S)	9.611	10.741	96104	101208	0.512	0.594
Target Compounds						
2) a-BHC	5.942	6.731	133246	185876	0.555	0.467
3) g-BHC	6.225	7.051	120283	175442	0.591	0.518
4) b-BHC	6.302	7.113	65009	92509	0.917	0.668
5) Heptachlor	6.640	7.432	122190	183474	0.665	0.613
6) d-BHC	6.451	7.371	111153	153966	0.773	0.504
7) Aldrin	6.882	7.702	113031	161218	0.595	0.520
8) Heptachlo...	7.343	8.141	112198	158898	0.624	0.555
9) trans-Chl...	7.440	8.282	112737	169582	0.625	0.581
10) cis-Chlor...	7.537	8.390	112650	150400	0.492	0.536
11) Endosulfa...	7.633	8.442	104610	140878	0.595	0.536
12) 4,4'-DDE	7.596	8.489	102992	139141	0.670	0.493
13) Dieldrin	7.805	8.643	111857	147653	0.570	0.497
14) Endrin	7.970	8.873	93909	120788	0.615	0.540
15) 4,4'-DDD	8.017	8.907	86424	113285	0.549	0.393
16) Endosulfa...	8.126	9.020	99640	122597	0.652	0.518
17) 4,4'-DDT	8.216	9.137	84911	103096	0.901	0.929
18) Endrin Al...	8.417	9.257	87242	118008	0.730	0.601
19) Endosulfa...	8.719	9.449	88205	112283	0.363	0.309
20) Methoxychlor	8.553	9.615	48528	60619	1.079	0.962
21) Endrin Ke...	8.913	9.854	99629	120422	0.394	0.374
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 14:50
Operator : MJB
Sample : 0A08041-CAL1
Misc : A20A094, AB 0.5 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 08 17:12:57 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:11:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:07
 Operator : MJB
 Sample : 0A08041-CAL2
 Misc : A20A095, AB 1 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: Jan 08 17:13:40 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

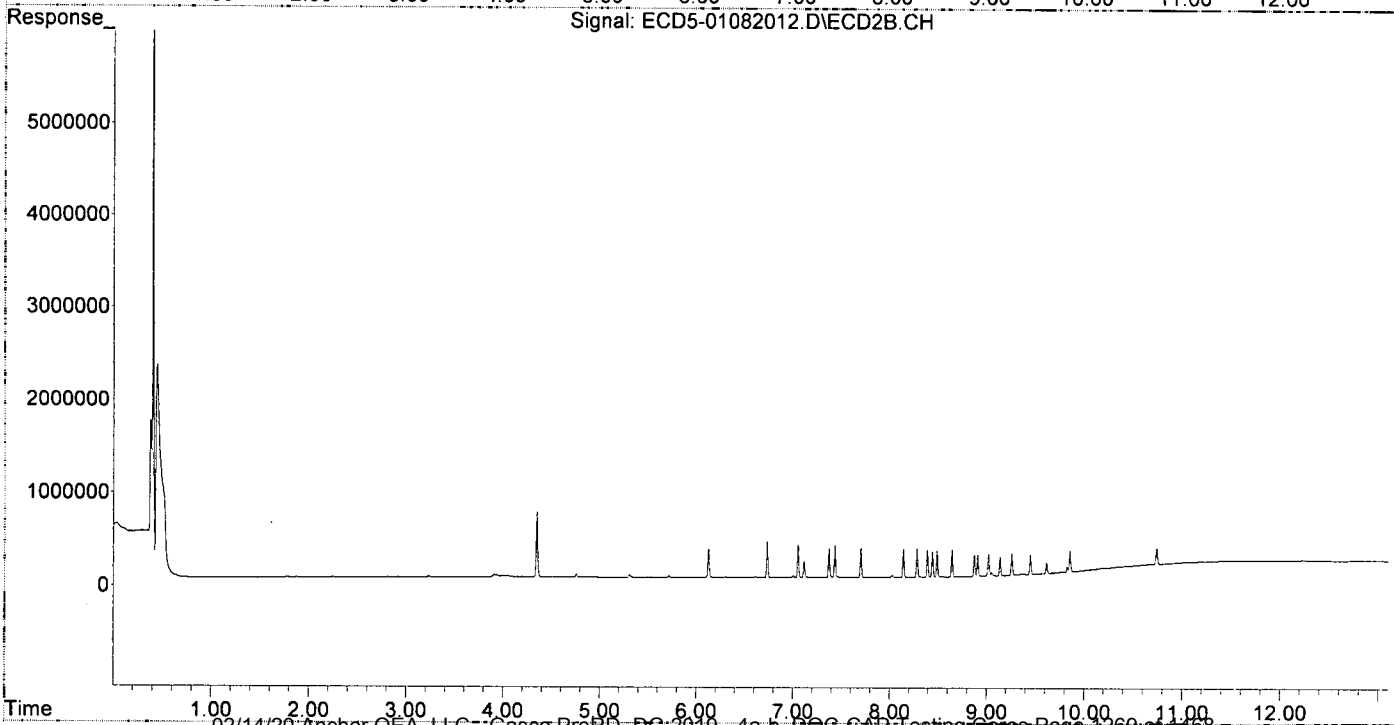
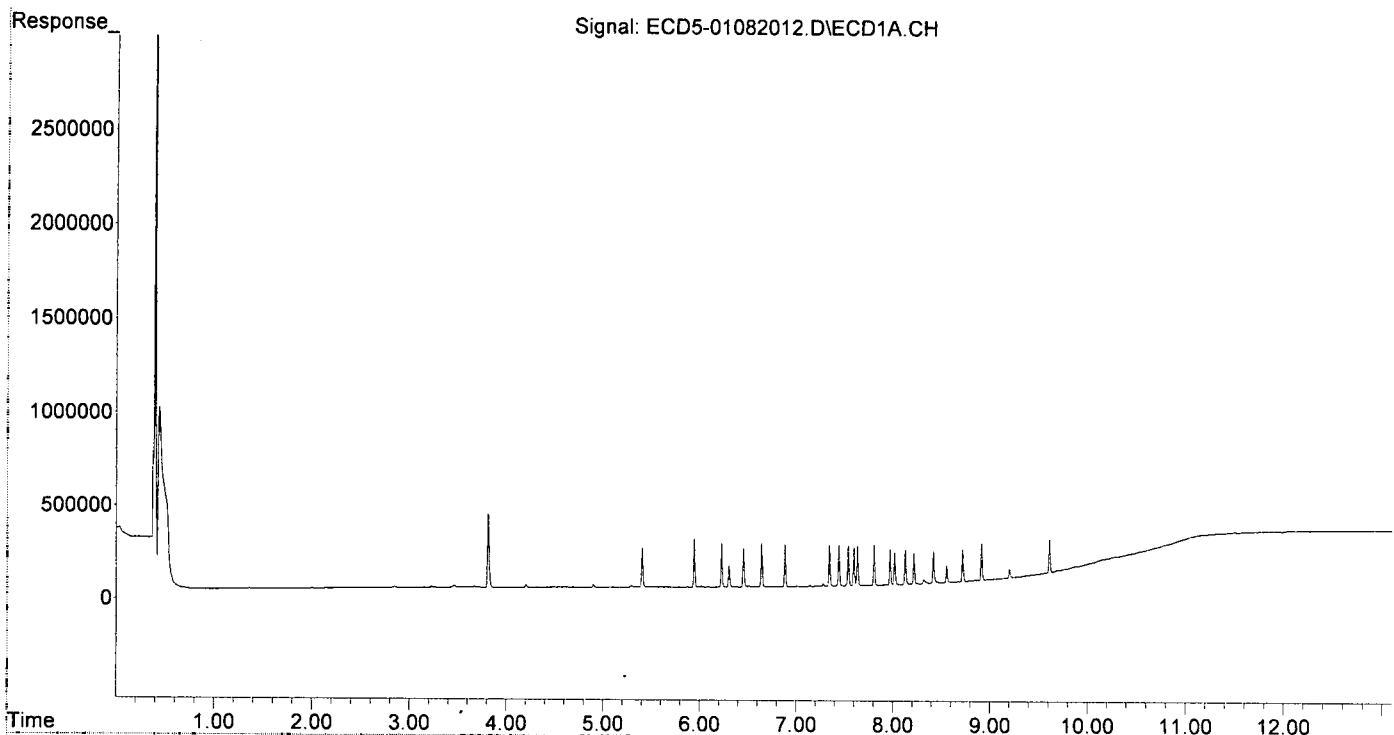
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.404	6.128	211254	311231	1.184	1.048
22) S DCBP (S)	9.612	10.743	176609	194428	1.121	1.142
Target Compounds						
2) a-BHC	5.944	6.735	256973	379209	1.070	0.953
3) g-BHC	6.227	7.055	234366	343398	1.152	1.014
4) b-BHC	6.304	7.117	114282	172988	1.612	1.248
5) Heptachlor	6.642	7.436	233856	337319	1.272	1.127
6) d-BHC	6.453	7.375	208419	310209	1.478	1.061
7) Aldrin	6.883	7.705	224047	314514	1.180	1.014
8) Heptachlo...	7.344	8.144	218282	296140	1.215	1.034
9) trans-Chl...	7.441	8.285	218441	302694	1.212	1.038
10) cis-Chlor...	7.538	8.393	212625	292944	1.096	1.044
11) Endosulfa...	7.634	8.445	208482	271809	1.186	1.034
12) 4,4'-DDE	7.597	8.492	201598	277811	1.372	1.040
13) Dieldrin	7.806	8.646	218083	291554	1.111	0.982
14) Endrin	7.971	8.876	188900	230377	1.236	1.087
15) 4,4'-DDD	8.018	8.910	170626	228024	1.254	0.952
16) Endosulfa...	8.128	9.023	182518	234291	1.195	0.990
17) 4,4'-DDT	8.217	9.139	163203	203174	1.757	1.617
18) Endrin Al...	8.418	9.260	168637	234689	1.411	1.196
19) Endosulfa...	8.720	9.451	168846	210935	0.959	0.828
20) Methoxychlor	8.554	9.618	89885	117569	1.940	1.739
21) Endrin Ke...	8.914	9.856	194086	227922	0.991	0.893
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) Oxychlorthane	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 : R:\data\2020-01\0A08041\
 Data File : ECD5-01082012.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:07
 Operator : MJB
 Sample : 0A08041-CAL2
 Misc : A20A095, AB 1 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: Jan 08 17:13:40 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:24
 Operator : MJB
 Sample : 0A08041-CAL3
 Misc : A19K128, AB 2 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: Jan 08 17:14:17 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/8/20

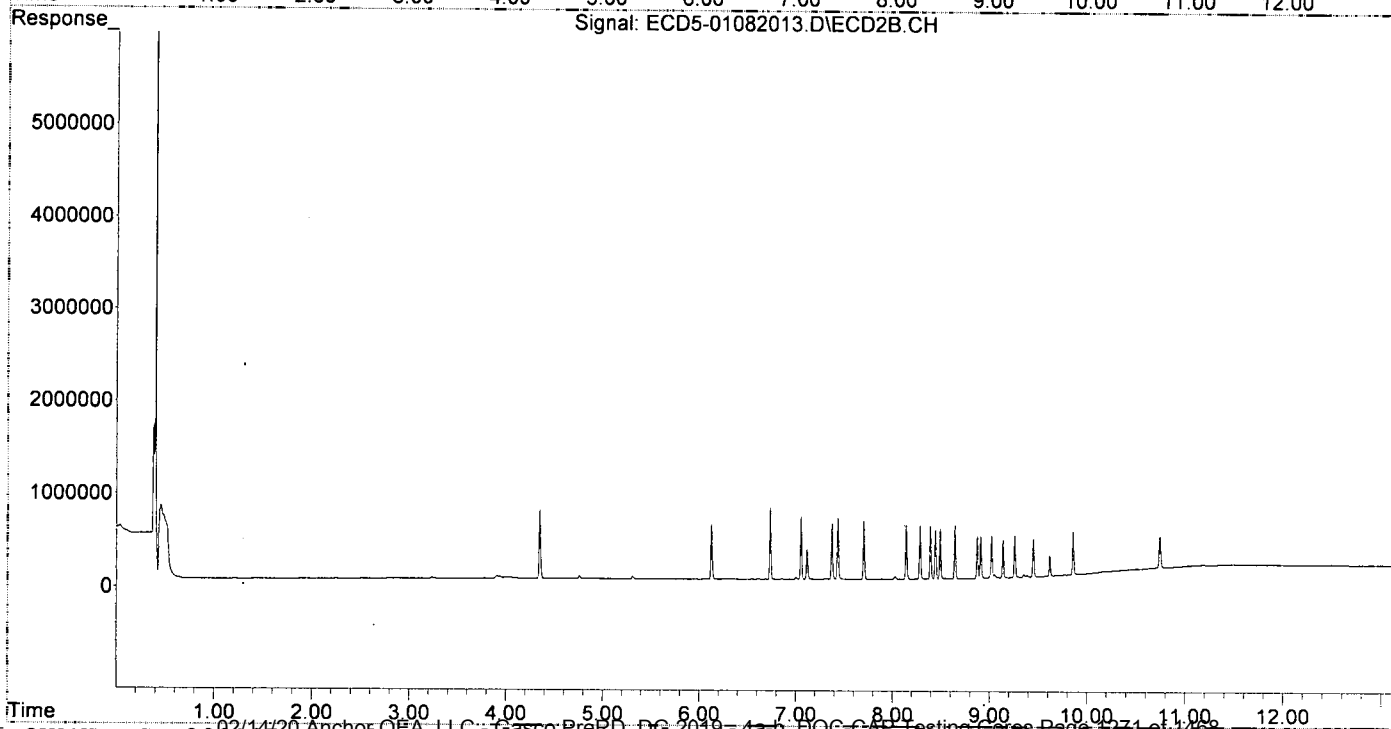
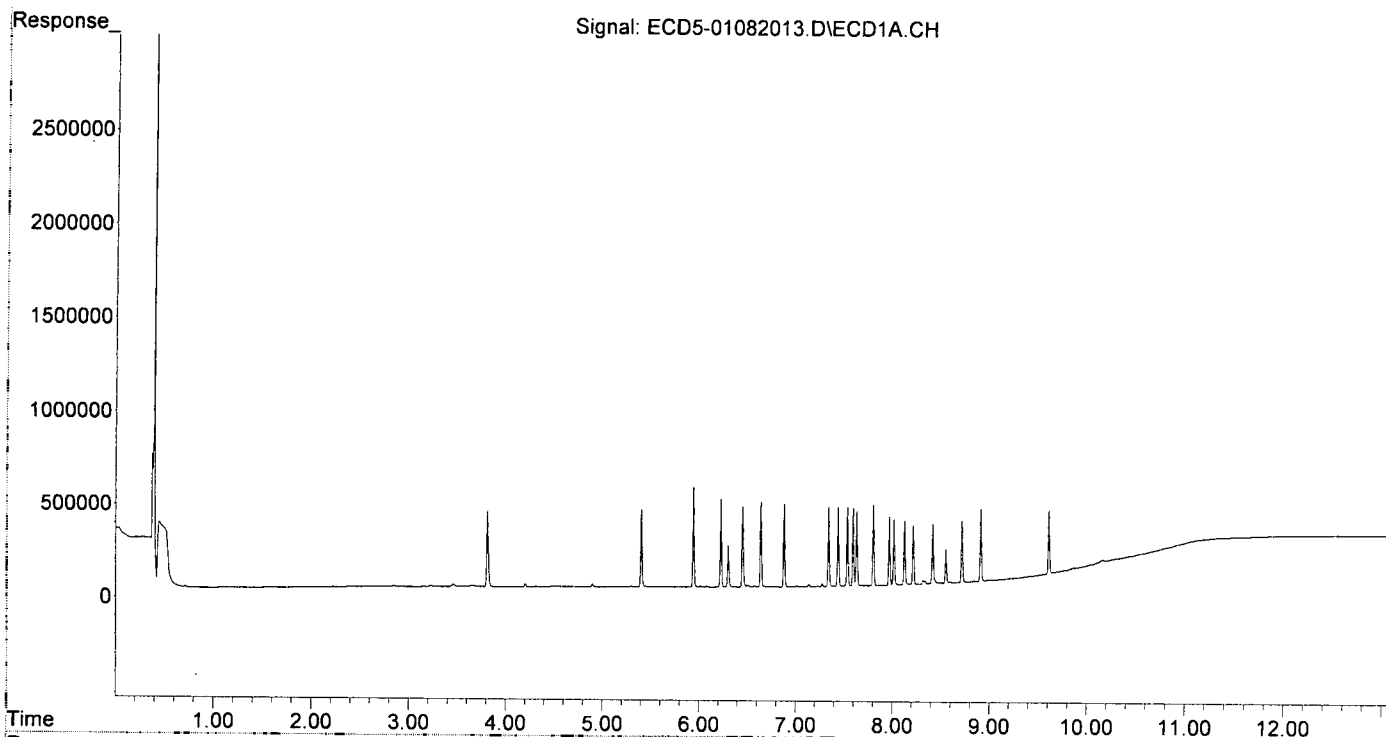
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.126	415516	589045	2.330	1.984
22) S DCBP (S)	9.609	10.743	340423	355105	2.358	2.085
Target Compounds						
2) a-BHC	5.942	6.734	537497	767270	2.239	1.928
3) g-BHC	6.225	7.053	471506	677169	2.319	2.000
4) b-BHC	6.301	7.115	220797	320899	3.114	2.316
5) Heptachlor	6.639	7.434	456995	655441	2.486	2.191
6) d-BHC	6.451	7.373	432587	603549	3.094	2.103
7) Aldrin	6.881	7.703	440039	629279	2.317	2.028
8) Heptachlo...	7.341	8.141	427014	586030	2.377	2.046
9) trans-Chl...	7.439	8.283	425200	579921	2.358	1.988
10) cis-Chlor...	7.535	8.390	422427	574813	2.361	2.048
11) Endosulfa...	7.632	8.443	400706	526399	2.280	2.003
12) 4,4'-DDE	7.594	8.491	411765	541435	2.680	2.076
13) Dieldrin	7.803	8.644	434619	580943	2.214	1.956
14) Endrin	7.968	8.873	366871	456874	2.401	2.215
15) 4,4'-DDD	8.016	8.908	350808	453406	2.756	2.046
16) Endosulfa...	8.125	9.020	347787	461782	2.276	1.951
17) 4,4'-DDT	8.215	9.137	319688	408673	3.454	3.021
18) Endrin Al...	8.415	9.257	322362	453653	2.697	2.311
19) Endosulfa...	8.718	9.448	330471	410957	2.153	1.879
20) Methoxychlor	8.552	9.616	177451	224516	3.753	3.189
21) Endrin Ke...	8.911	9.855	383553	459705	2.185	2.008
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...	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 : R:\data\2020-01\0A08041\
 Data File : ECD5-01082013.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:24
 Operator : MJB
 Sample : 0A08041-CAL3
 Misc : A19K128, AB 2 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: Jan 08 17:14:17 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082014.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:41
 Operator : MJB
 Sample : 0A08041-CAL4
 Misc : A19K130, AB 5 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: Jan 08 17:15:03 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

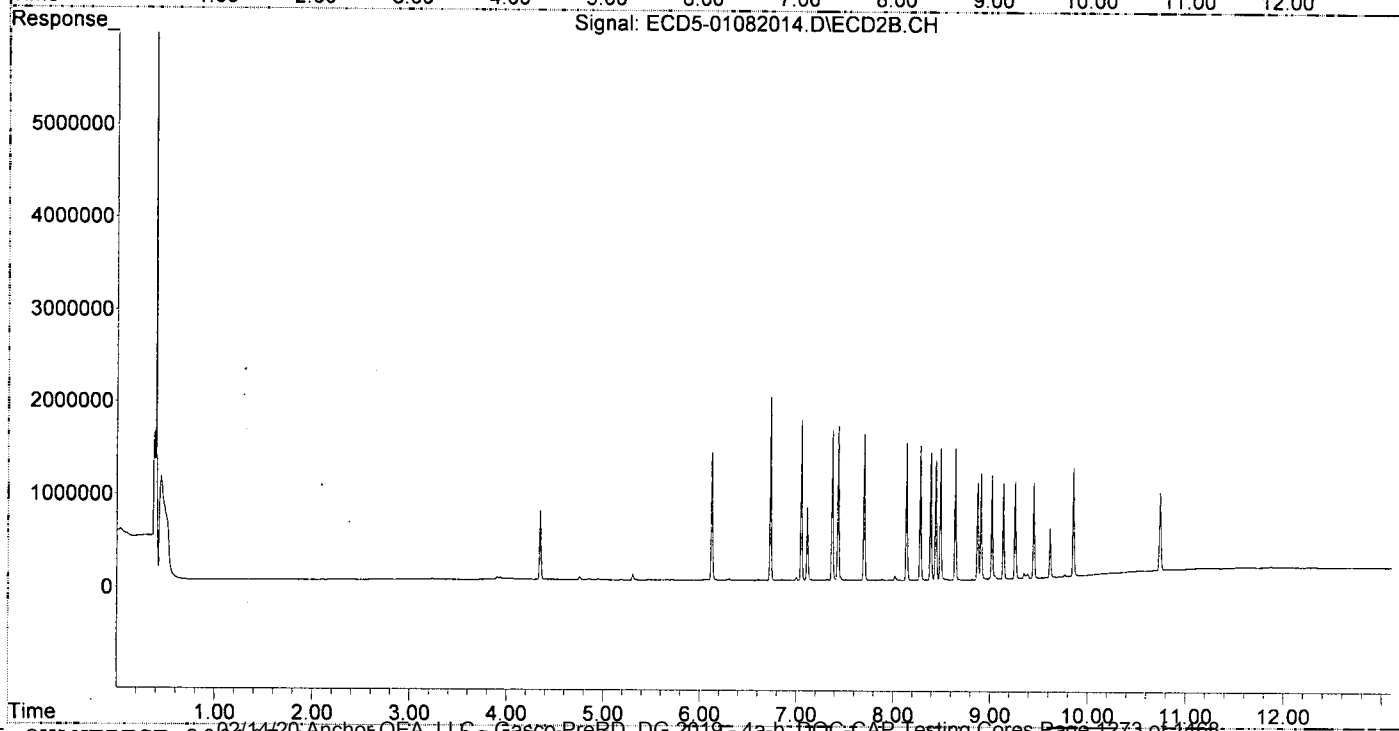
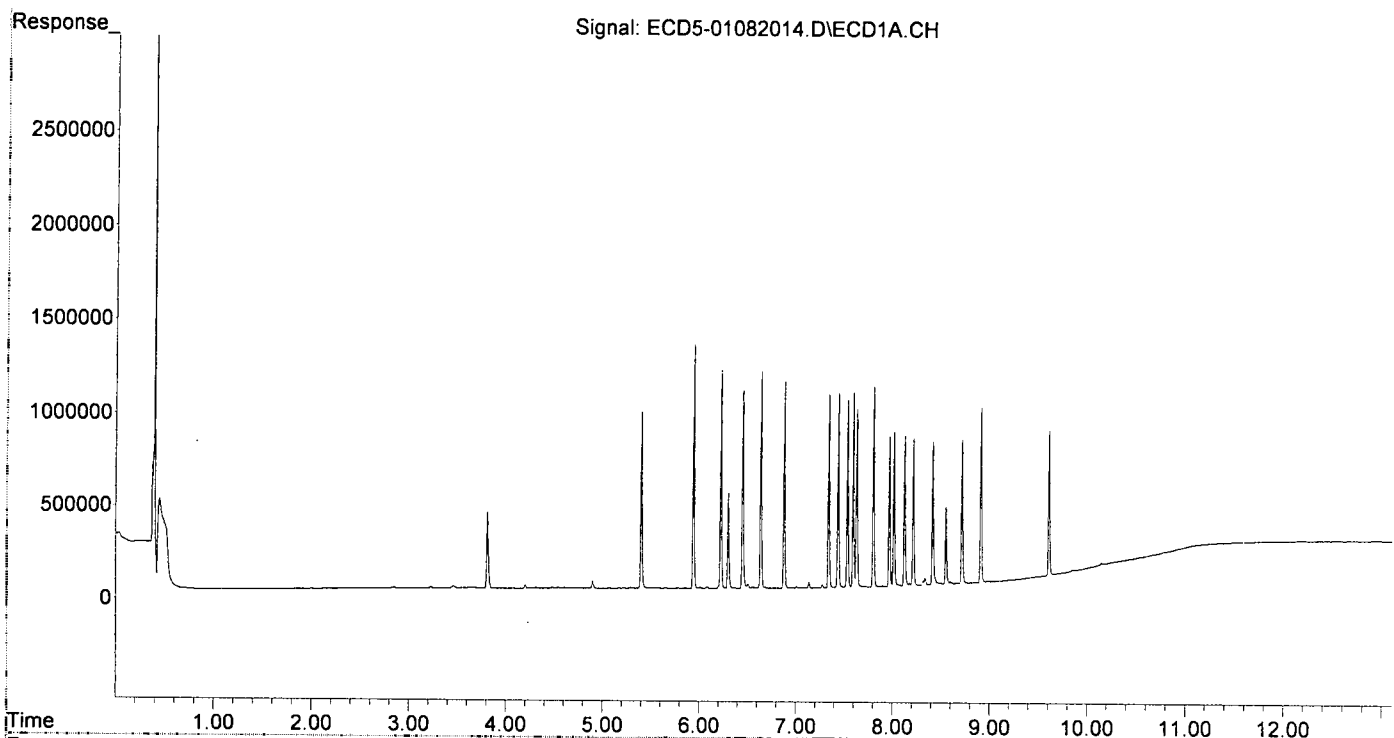
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.125	950074	1376103	5.326	4.635
22) S DCBP (S)	9.610	10.741	775613	834483	5.640	4.901
Target Compounds						
2) a-BHC	5.941	6.732	1306500	1977180	5.442	4.968
3) g-BHC	6.224	7.052	1166721	1723036	5.737	5.088
4) b-BHC	6.301	7.114	509830	782957	7.191	5.650
5) Heptachlor	6.638	7.433	1163113	1661120	6.326	5.552
6) d-BHC	6.450	7.372	1063446	1616218	7.586	5.669
7) Aldrin	6.880	7.702	1111711	1579995	5.855	5.092
8) Heptachlo...	7.341	8.141	1035468	1479273	5.763	5.165
9) trans-Chl...	7.439	8.282	1044033	1455802	5.791	4.991
10) cis-Chlor...	7.535	8.390	1008295	1373040	5.885	4.892
11) Endosulfa...	7.631	8.442	958781	1296862	5.456	4.934
12) 4,4'-DDE	7.594	8.490	1040350	1423065	6.771	5.513
13) Dieldrin	7.803	8.644	1070134	1422623	5.452	4.789
14) Endrin	7.968	8.874	807889	1044563	5.288	5.121
15) 4,4'-DDD	8.016	8.908	829598	1143673	6.717	5.371
16) Endosulfa...	8.125	9.020	804988	1119541	5.269	4.729
17) 4,4'-DDT	8.215	9.137	789969	1027268	8.447	7.174
18) Endrin Al...	8.415	9.258	766938	1047866	6.416	5.338
19) Endosulfa...	8.718	9.449	770166	1024703	5.388	5.077
20) Methoxychlor	8.552	9.615	413384	532720	8.569	7.309
21) Endrin Ke...	8.912	9.854	939876	1162953	5.678	5.362
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) Oxychlorthane	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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 15:41
Operator : MJB
Sample : 0A08041-CAL4
Misc : A19K130, AB 5 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: Jan 08 17:15:03 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:11:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082015.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 15:58
 Operator : MJB
 Sample : 0A08041-CAL5
 Misc : A19K131, AB 10 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: Jan 08 17:15:39 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

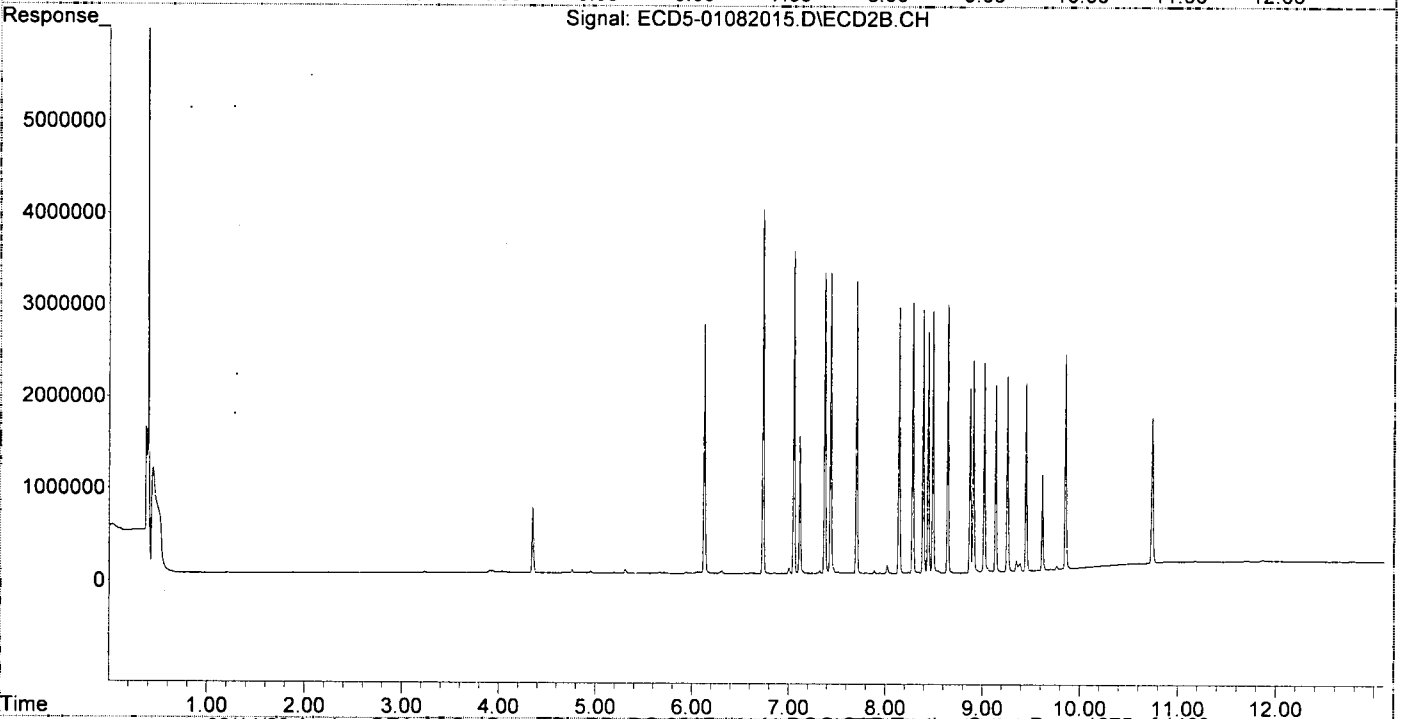
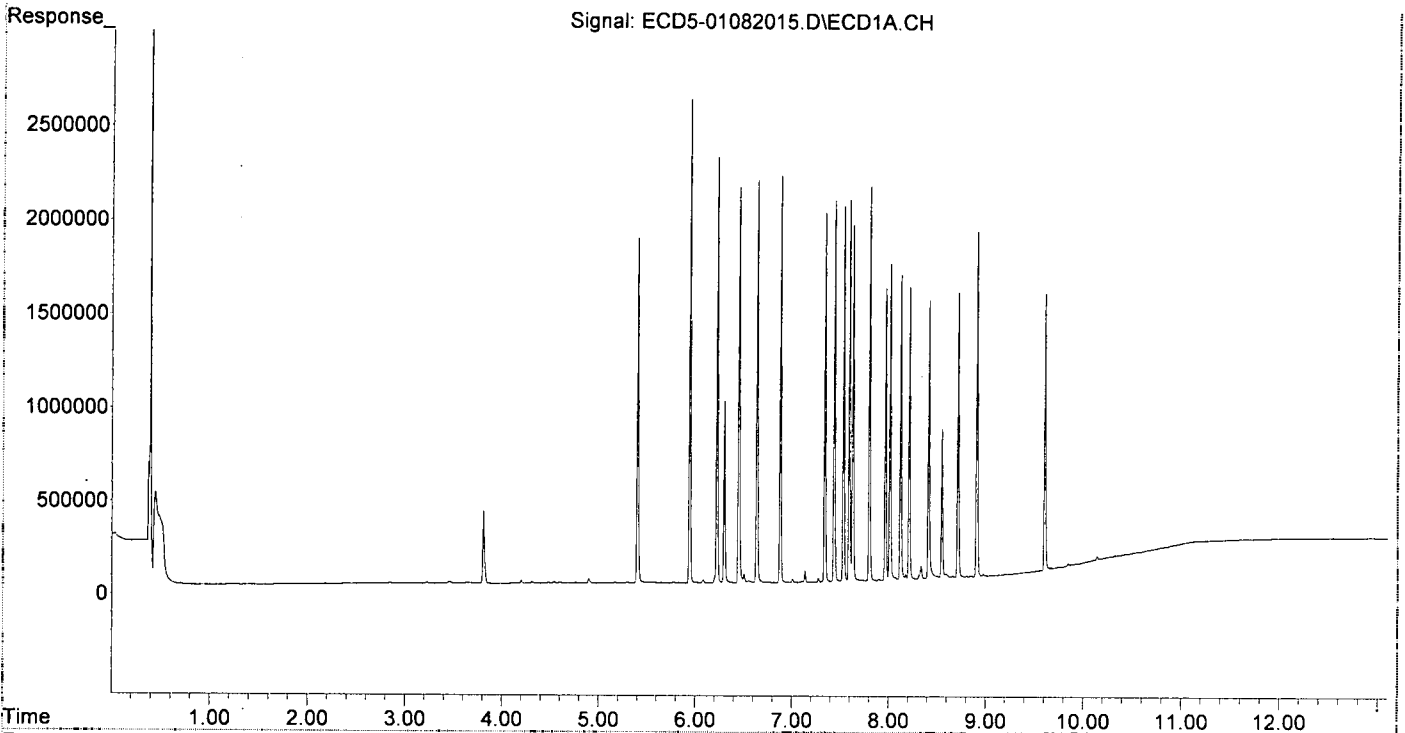
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.126	1840383	2696320	10.318	9.083
22) S DCBP (S)	9.608	10.739	1477683	1586829	10.920	9.319
Target Compounds						
2) a-BHC	5.942	6.733	2577924	3955799	10.738	9.941
3) g-BHC	6.224	7.053	2268745	3502209	11.156	10.343
4) b-BHC	6.301	7.114	961397	1480627	13.559	10.684
5) Heptachlor	6.638	7.433	2147477	3263335	11.680	10.907
6) d-BHC	6.450	7.372	2076601	3263098	14.634	11.366
7) Aldrin	6.880	7.702	2163245	3173256	11.392	10.227
8) Heptachlo...	7.341	8.140	1956671	2879584	10.891	10.055
9) trans-Chl...	7.438	8.282	2032056	2933717	11.271	10.058
10) cis-Chlor...	7.534	8.389	1994276	2847805	11.782	10.147
11) Endosulfa...	7.631	8.441	1890427	2609537	10.757	9.928
12) 4,4'-DDE	7.594	8.489	2021392	2826462	13.157	10.894
13) Dieldrin	7.803	8.643	2096792	2906015	10.683	9.783
14) Endrin	7.968	8.873	1559818	2003395	10.209	9.799
15) 4,4'-DDD	8.015	8.907	1682077	2301063	13.657	10.857
16) Endosulfa...	8.125	9.019	1622090	2276288	10.617	9.615
17) 4,4'-DDT	8.214	9.136	1545752	2023340	16.165	13.647
18) Endrin Al...	8.415	9.256	1482366	2117172	12.401	10.785
19) Endosulfa...	8.717	9.447	1505195	2032510	10.762	10.253
20) Methoxychlor	8.551	9.614	785011	1038753	15.965	13.893
21) Endrin Ke...	8.910	9.853	1825019	2330210	11.197	10.836
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) Oxychlordan	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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 15:58
Operator : MJB
Sample : 0A08041-CAL5
Misc : A19K131, AB 10 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: Jan 08 17:15:39 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:11:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082016.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 16:16
 Operator : MJB
 Sample : 0A08041-CAL6
 Misc : A19K132, AB 25 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: Jan 08 17:16:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

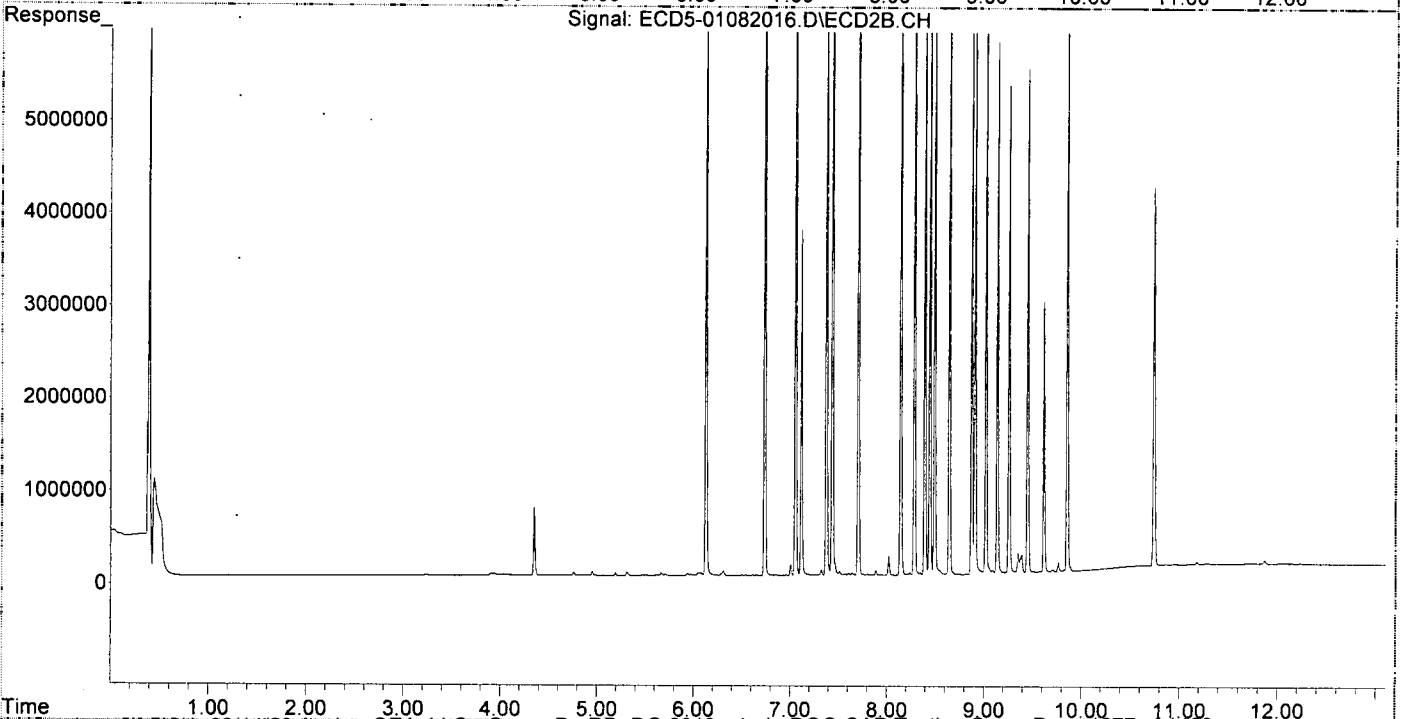
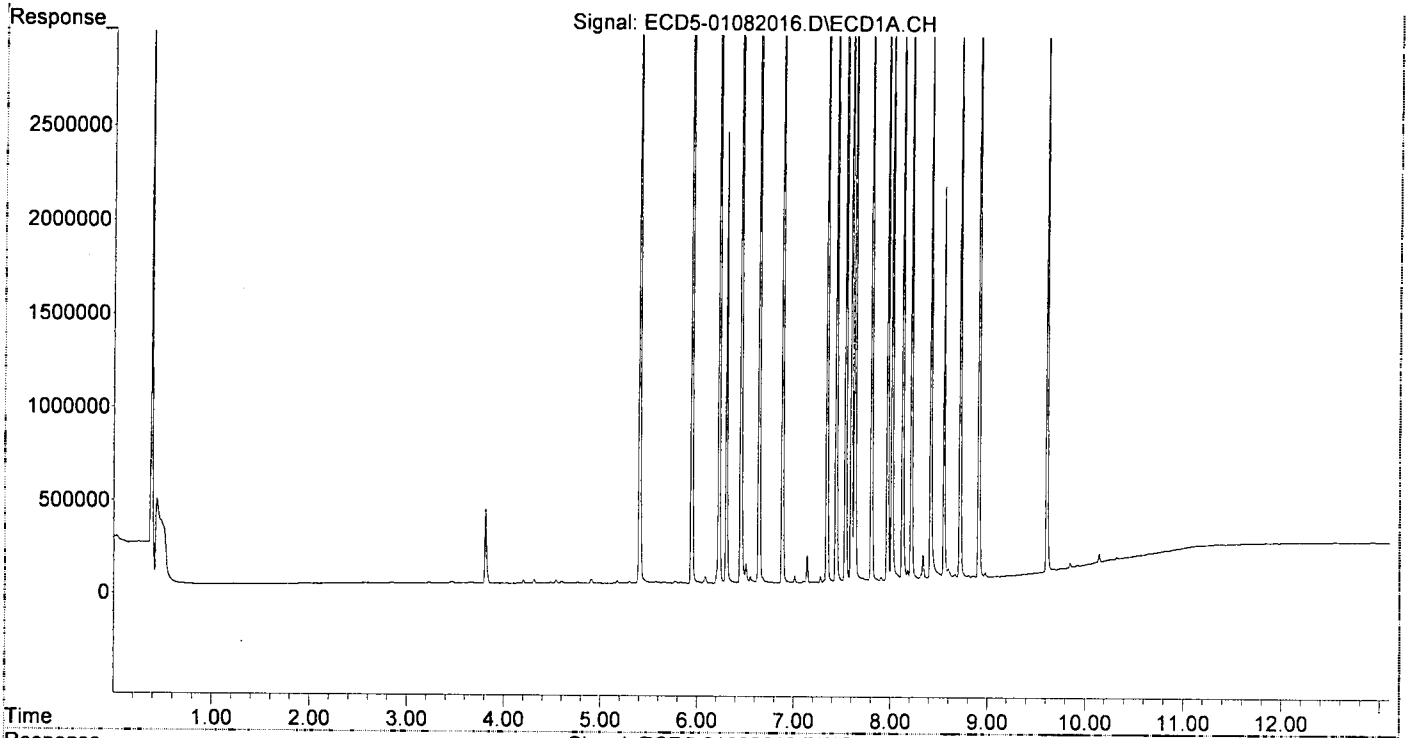
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.403	6.127	4644520	7248704	26.039	24.417
22) S DCBP (S)	9.609	10.741	3649221	4087662	27.139	24.006
Target Compounds						
2) a-BHC	5.943	6.735	6708027	10415470	27.943	26.173
3) g-BHC	6.226	7.054	5763650	9109081	28.342	26.901
4) b-BHC	6.302	7.115	2412054	3735653	34.019	26.956
5) Heptachlor	6.640	7.435	5435552	8726365	29.564	29.167
6) d-BHC	6.452	7.374	5473600	9124505	36.967	30.715
7) Aldrin	6.882	7.704	5637637	8363357	29.689	26.954
8) Heptachlo...	7.342	8.142	5116716	7570159	28.479	26.434
9) trans-Chl...	7.439	8.283	5203493	7709066	28.862	26.429
10) cis-Chlor...	7.535	8.391	5032396	7320817	29.702	26.085
11) Endosulfa...	7.632	8.443	4772332	6856889	27.155	26.088
12) 4,4'-DDE	7.595	8.491	5211626	7706129	33.922	28.840
13) Dieldrin	7.804	8.645	5425309	7861083	27.640	26.464
14) Endrin	7.968	8.874	4355756	5981930	28.510	28.439
15) 4,4'-DDD	8.016	8.909	4392393	6163457	34.856	28.442
16) Endosulfa...	8.126	9.021	4183901	6151164	27.383	25.982
17) 4,4'-DDT	8.215	9.138	4195442	5749572	40.824	35.924
18) Endrin Al...	8.416	9.258	3592714	5279915	30.055	26.897
19) Endosulfa...	8.718	9.449	3934236	5454073	28.218	27.172
20) Methoxychlor	8.552	9.616	2096804	2923508	40.465	36.746
21) Endrin Ke...	8.912	9.854	4735111	6356172	29.010	28.902
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 16:16
Operator : MJB
Sample : 0A08041-CAL6
Misc : A19K132, AB 25 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: Jan 08 17:16:16 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:11:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082017.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 16:33
 Operator : MJB
 Sample : 0A08041-CAL7
 Misc : A19K133, AB 50 ppb
 ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 08 17:11:26 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Dec 18 11:44:50 2019
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/4/20

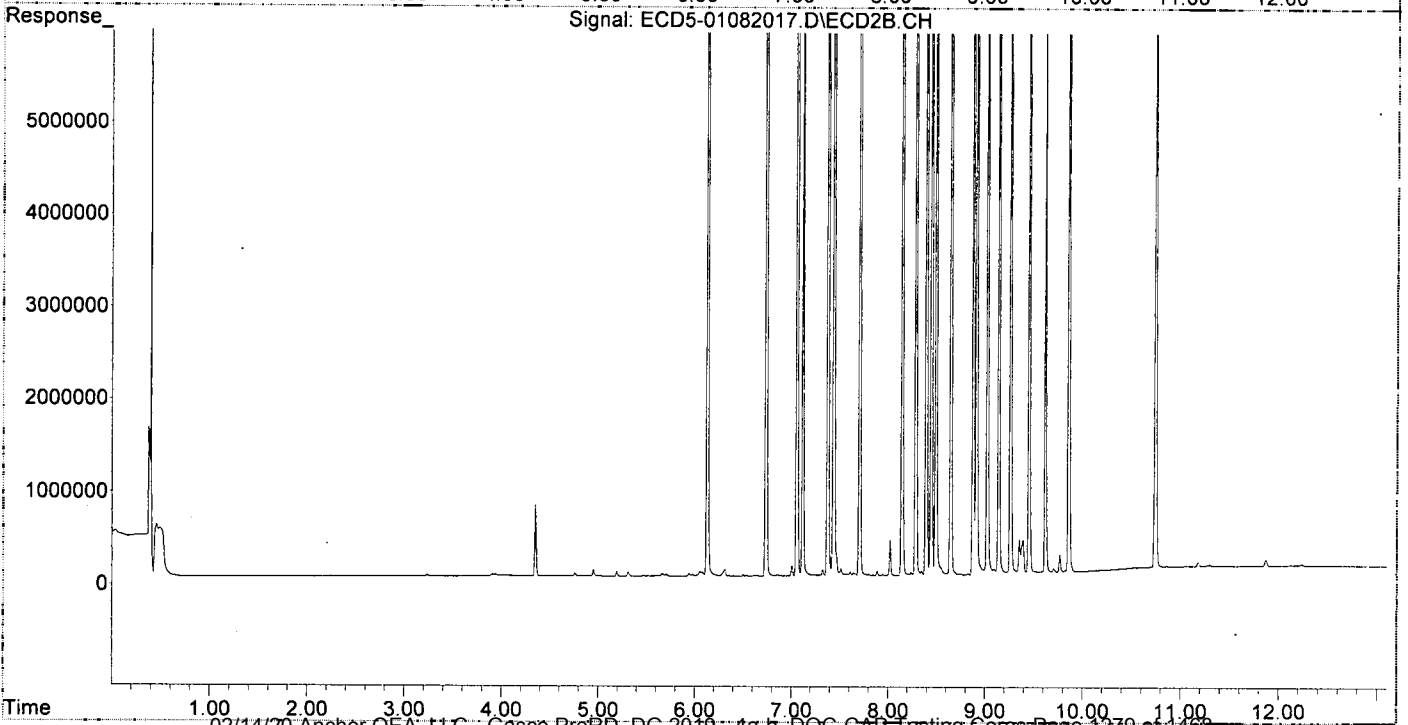
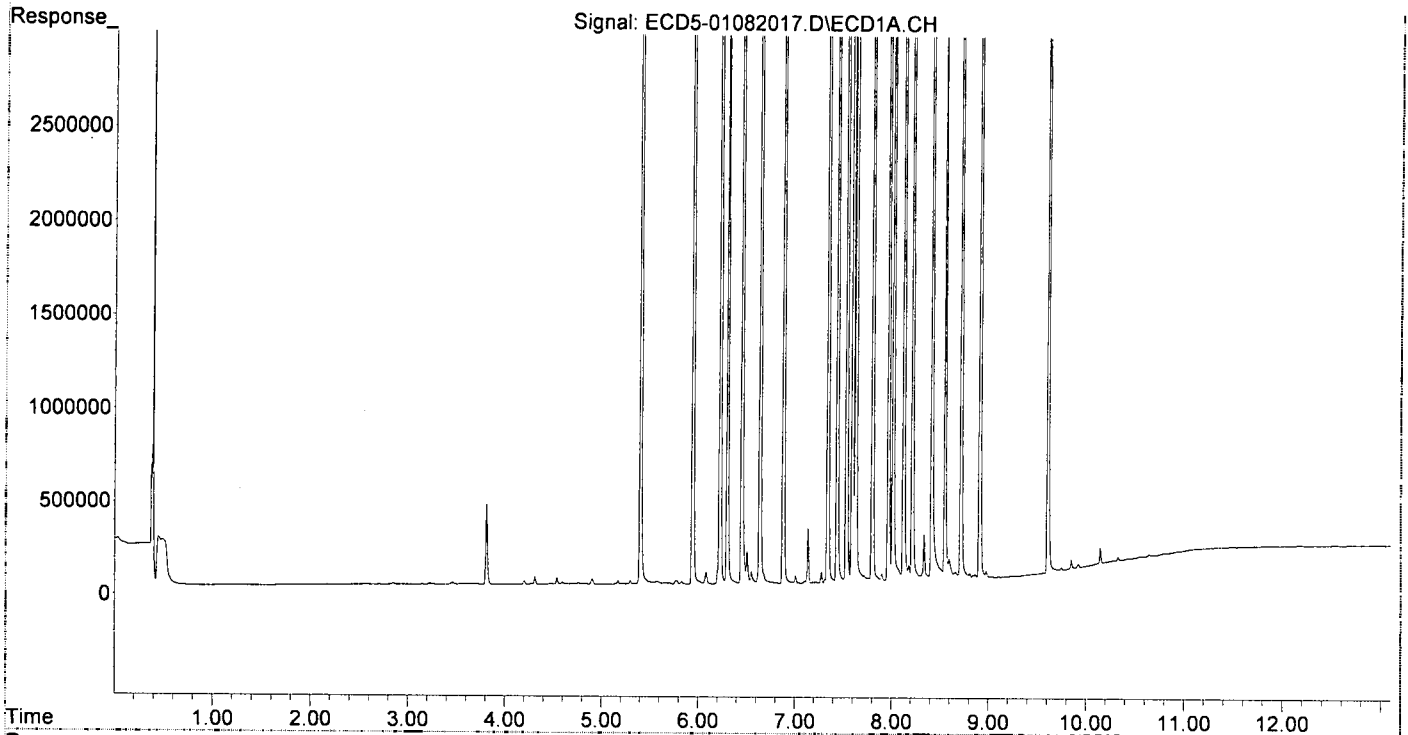
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.404	6.128	9333732	14973503	52.328	50.438
22) S DCBP (S)	9.610	10.743	7324286	8356479	54.215	49.075
Target Compounds						
2) a-BHC	5.944	6.736	13216845	22089318	55.056	55.508
3) g-BHC	6.226	7.055	11708116	19348411	57.573	57.139
4) b-BHC	6.302	7.116	4896621	7821870	69.062	56.442
5) Heptachlor	6.640	7.436	11436571	18476010	62.203	61.754
6) d-BHC	6.452	7.375	11429030	18657508	72.302	59.637
7) Aldrin	6.882	7.705	11087840	17419751	58.391	56.142
8) Heptachlo...	7.342	8.143	9998611	15668568	55.652	54.712
9) trans-Chl...	7.438	8.284	10533023	15828140	58.423	54.264
10) cis-Chlor...	7.535	8.392	9997532	15222666	58.218	54.241
11) Endosulfa...	7.631	8.444	9321509	14247679	53.041	54.207
12) 4,4'-DDE	7.595	8.492	10548305	16343004	68.657	58.168
13) Dieldrin	7.804	8.646	10540242	16218456	53.700	54.599
14) Endrin	7.969	8.875	8377116	11897358	54.830	54.213
15) 4,4'-DDD	8.016	8.910	8716356	13105625	66.362	57.695
16) Endosulfa...	8.126	9.022	8170502	12207870	53.476	51.564
17) 4,4'-DDT	8.215	9.139	8824873	12576988	77.695	71.115
18) Endrin Al...	8.416	9.259	7206121	10910333	60.283	55.580
19) Endosulfa...	8.718	9.450	7989432	11599024	56.402	55.415
20) Methoxychlor	8.552	9.616	4344332	6115403	77.959	70.938
21) Endrin Ke...	8.912	9.855	9580043	12905122	57.630	56.045
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 16:33
Operator : MJB
Sample : 0A08041-CAL7
Misc : A19K133, AB 50 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 08 17:11:26 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Dec 18 11:44:50 2019
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082018.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 16:50
 Operator : MJB
 Sample : 0A08041-CAL8
 Misc : A19K134, AB 100 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: Jan 08 17:16:56 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

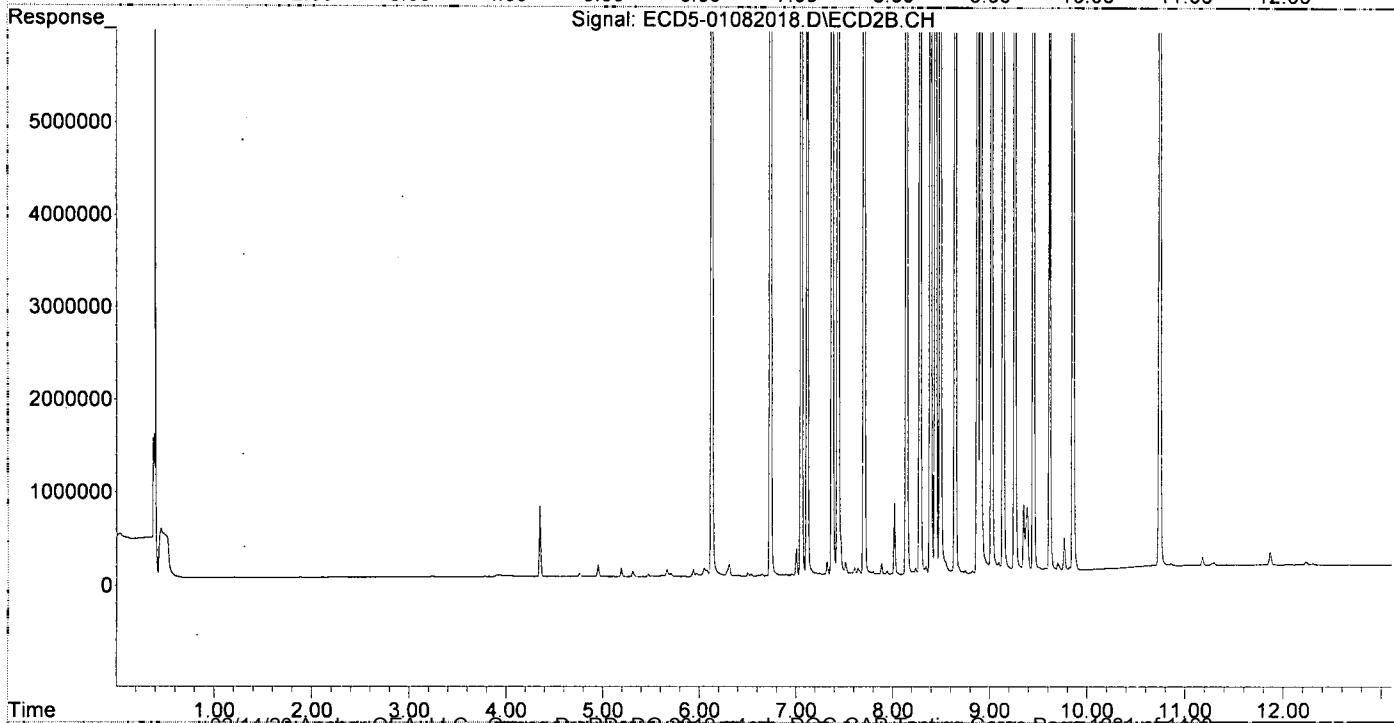
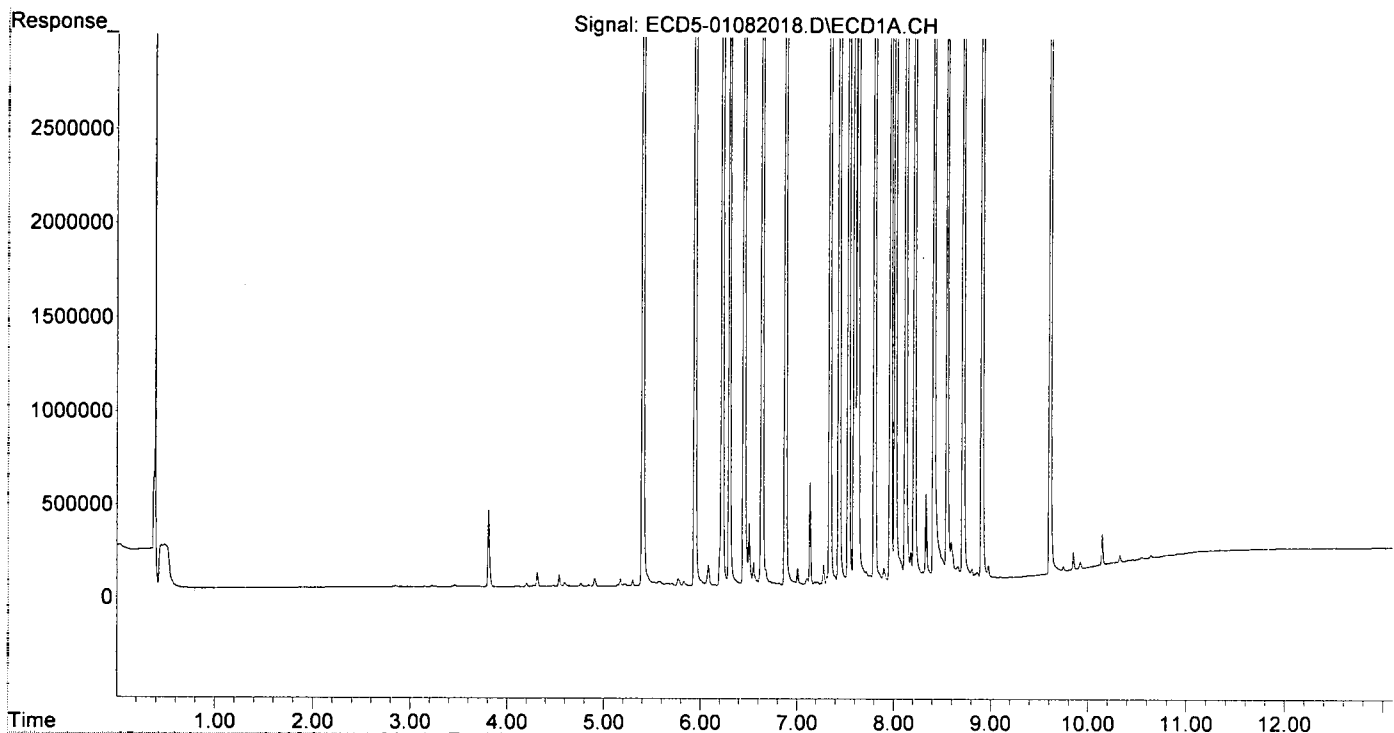
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.126	18608009	30726323	104.323	103.502
22) S DCBP (S)	9.609	10.740	14736356	18325862	107.476	107.622
Target Compounds						
2) a-BHC	5.942	6.734	26761777	46009925	111.478	115.619
3) g-BHC	6.225	7.054	23719186	40108652	116.636	118.448
4) b-BHC	6.301	7.114	9778496	15872194	137.915	114.532
5) Heptachlor	6.638	7.434	22525924	39120687	122.517	130.756
6) d-BHC	6.450	7.373	22559943	39888976	129.417	115.993
7) Aldrin	6.879	7.703	21827668	36118456	114.949	116.406
8) Heptachlo...	7.340	8.141	19866372	32905611	110.575	114.901
9) trans-Chl...	7.436	8.282	20684116	32788413	114.727	112.408
10) cis-Chlor...	7.533	8.390	19622551	31325513	111.066	111.618
11) Endosulfa...	7.630	8.442	18668180	29837370	106.225	113.519
12) 4,4'-DDE	7.593	8.491	20981322	34240158	136.564	111.741
13) Dieldrin	7.802	8.644	21752074	34067227	110.821	114.686
14) Endrin	7.967	8.873	16990601	25511288	111.208	106.990
15) 4,4'-DDD	8.015	8.908	17753200	27404752	125.287	110.962
16) Endosulfa...	8.124	9.020	16571029	26285916	108.457	111.028
17) 4,4'-DDT	8.214	9.138	17230392	27045966	132.772	131.755
18) Endrin Al...	8.414	9.257	14322834	23088226	119.818	117.618
19) Endosulfa...	8.716	9.448	15517798	24531265	105.955	108.178
20) Methoxychlor	8.550	9.615	8765747	13401490	140.843	135.844
21) Endrin Ke...	8.910	9.854	19103565	28057636	110.632	111.181
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) Oxychlordan	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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 16:50
Operator : MJB
Sample : 0A08041-CAL8
Misc : A19K134, AB 100 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: Jan 08 17:16:56 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:11:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082019.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 17:07
 Operator : MJB
 Sample : 0A08041-CAL9
 Misc : A19K126, AB 200 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: Jan 08 17:23:52 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Wed Jan 08 17:11:43 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/8/20

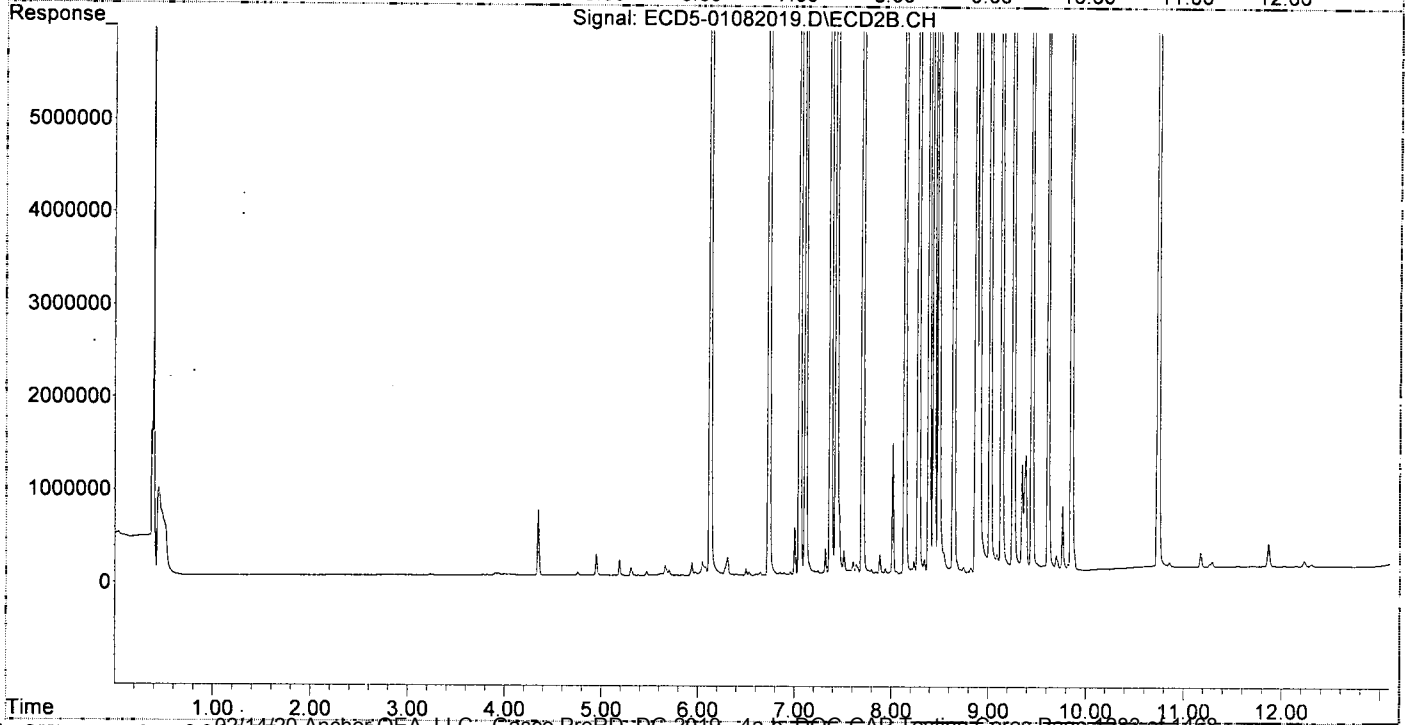
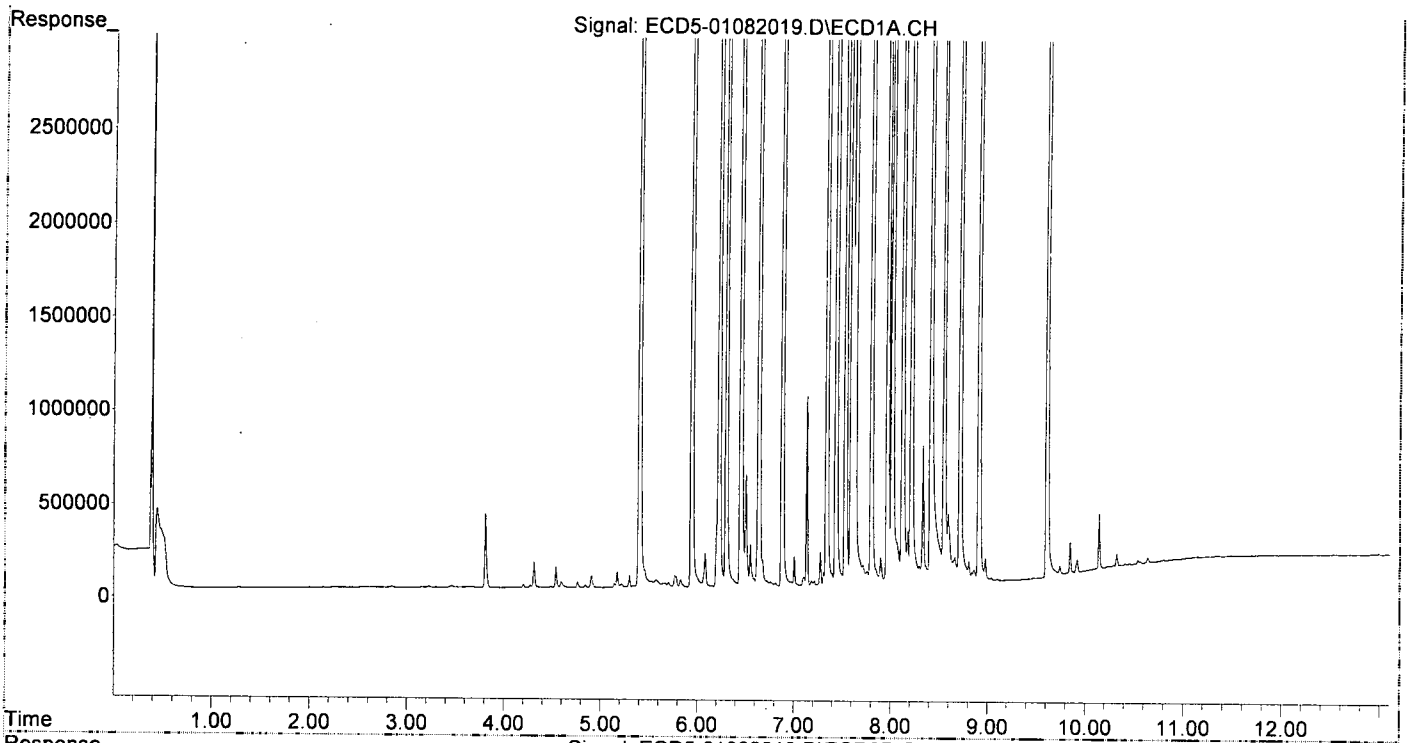
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	5.402	6.127	36004194	63805007	201.851	214.927
22) S DCBP (S)	9.608	10.740	29522105	37530513	208.911	220.404
Target Compounds						
2) a-BHC	5.942	6.735	51378594	94490351	214.020	237.445
3) g-BHC	6.225	7.055	45740727	81152836	224.925	249.658
4) b-BHC	6.300	7.114	18885723	32003158	266.363	230.932
5) Heptachlor	6.637	7.434	43921584	78012422	238.886	260.746
6) d-BHC	6.450	7.373	44016986	79563682	219.966	203.005
7) Aldrin	6.878	7.703	42282992	73697118	222.671	237.518
8) Heptachlo...	7.339	8.141	38629005	67266896	215.007	234.884
9) trans-Chl...	7.435	8.282	40459355	67463571	224.413	231.285
10) cis-Chlor...	7.532	8.390	38789603	63748867	208.402	227.148
11) Endosulfa...	7.629	8.442	36273958	61251233	206.404	233.036
12) 4,4'-DDE	7.592	8.491	40550794	70133432	263.939	200.970
13) Dieldrin	7.801	8.643	42048253	69685127	214.224	234.591
14) Endrin	7.966	8.874	33554398	54542107	219.622	200.376
15) 4,4'-DDD	8.014	8.909	34664444	57884644	218.948	205.031
16) Endosulfa...	8.123	9.020	32037931	56742124	209.687	239.671
17) 4,4'-DDT	8.213	9.138	33779701	56160769	218.109	225.532
18) Endrin Al...	8.414	9.257	28205265	46664440	235.952	237.722
19) Endosulfa...	8.716	9.449	30589878	50080530	196.514	195.472
20) Methoxychlor	8.549	9.614	16842837	27125539	234.271	231.850
21) Endrin Ke...	8.911	9.854	38218148	59346864	206.833	204.485
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:07
Operator : MJB
Sample : 0A08041-CAL9
Misc : A19K126, AB 200 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: Jan 08 17:23:52 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:11:43 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082022.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 17:59
 Operator: MJB
 Sample: 0A08041-CALA
 Misc: A20A096, 9-42 0.5 ppb
 ALS Vial: 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 10:49:36 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualeCD5
 Last Update: Thu Jan 09 10:48:41 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

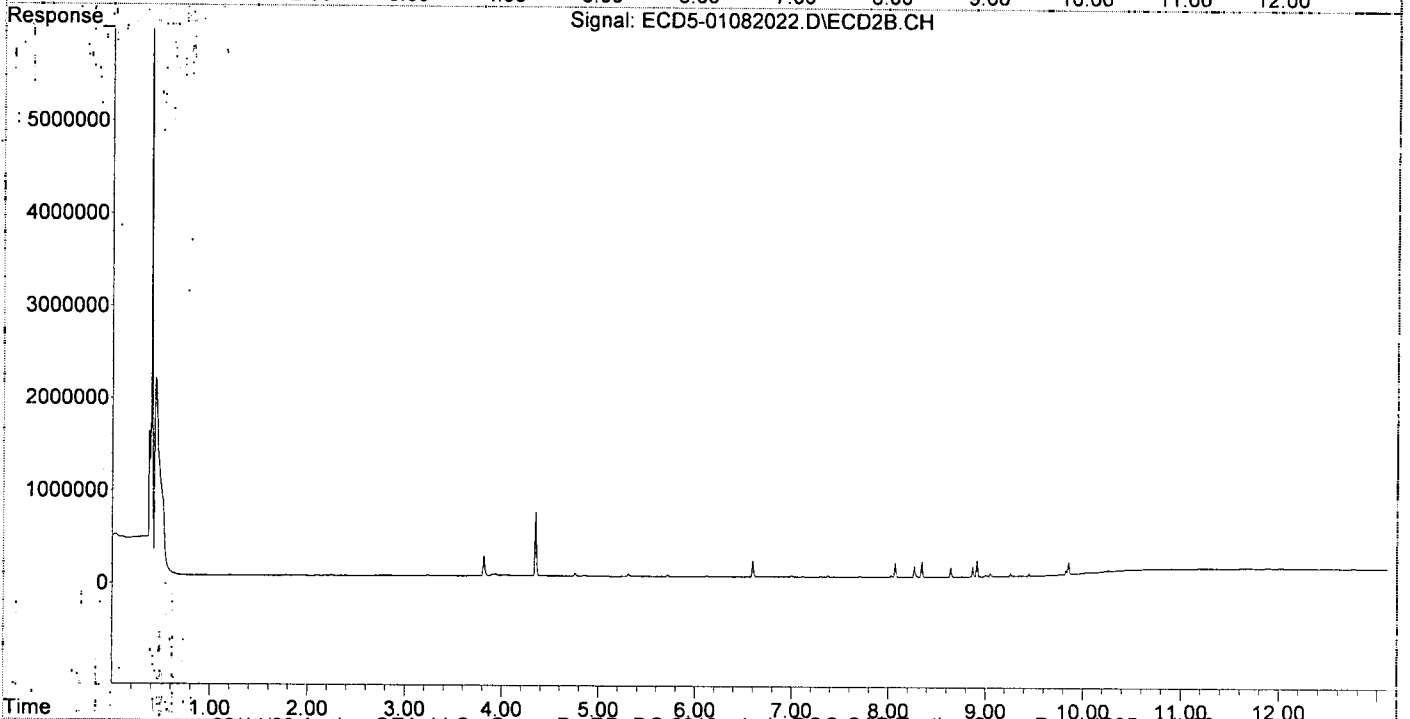
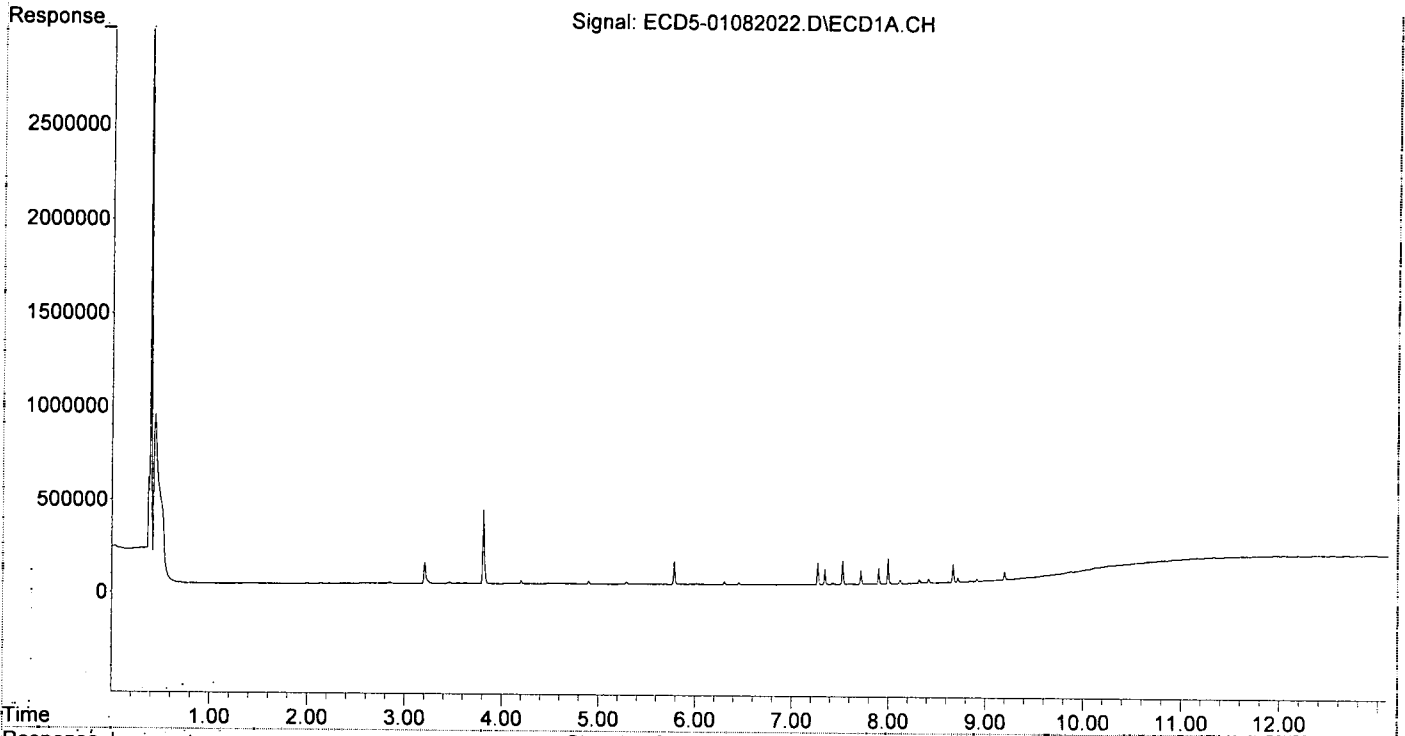
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.203	3.812	111441	211151	0.527	0.583
24) Hexachlor...	5.783	6.595	122709	175732	0.603	0.600
25) Oxychlorthane	7.270	8.069	118861	156922	0.647	0.620
26) 2,4'-DDE	7.343	8.268	81726	115006	0.758	0.605
27) trans-Non...	7.527	8.345	126746	167484	0.705	0.594
28) 2,4'-DDD	7.716	8.643	71868	101849	0.731	0.601
29) 2,4'-DDT	7.899	8.870	83331	108578	0.861	0.733
30) cis-Nonac...	7.997	8.913	134243	177850	0.652	0.555
31) Mirex	8.667	9.851	96444	127755	0.565	0.472
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 17:59
Operator : MJB
Sample : 0A08041-CALA
Misc : A20A096, 9-42 0.5 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 10:49:36 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082023.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08-Jan-2020 18:16
 Operator: MJB
 Sample: 0A08041-CALB
 Misc: A19K263, 9-42 1 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: Jan 09 10:50:16 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 10:48:41 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

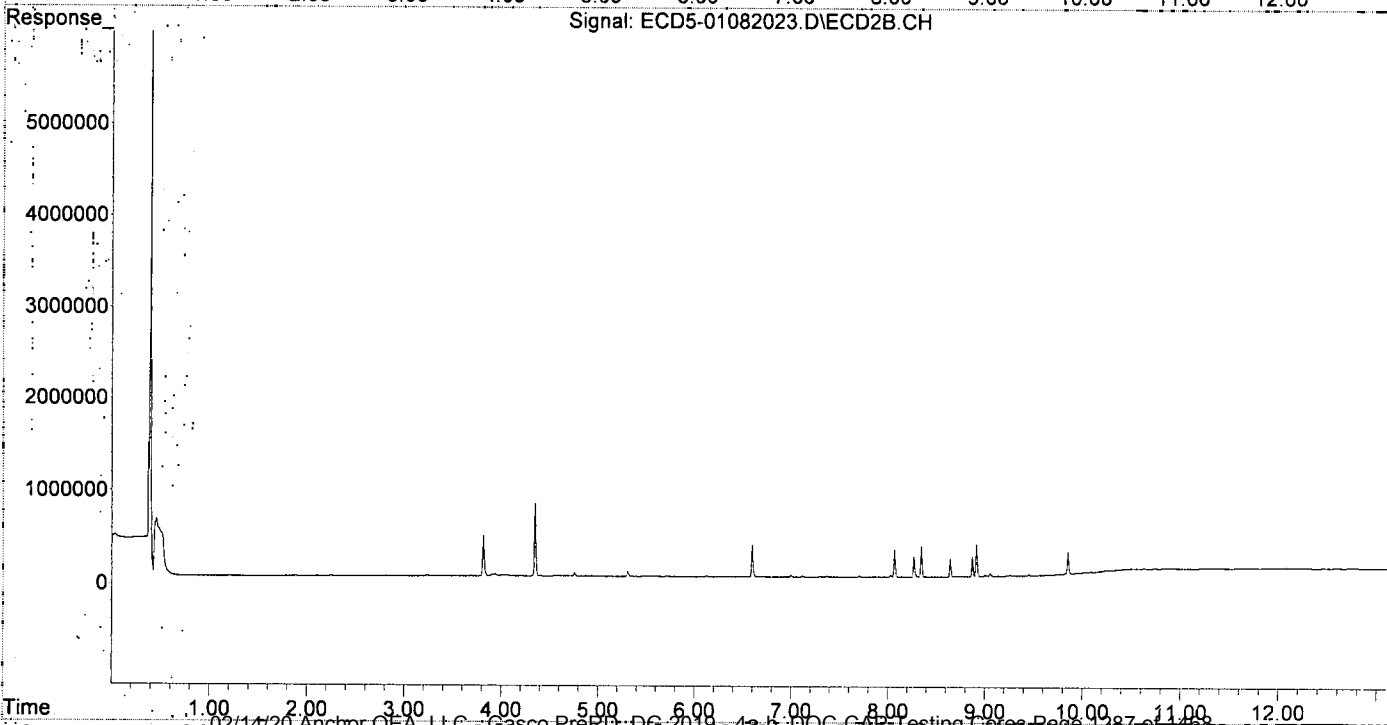
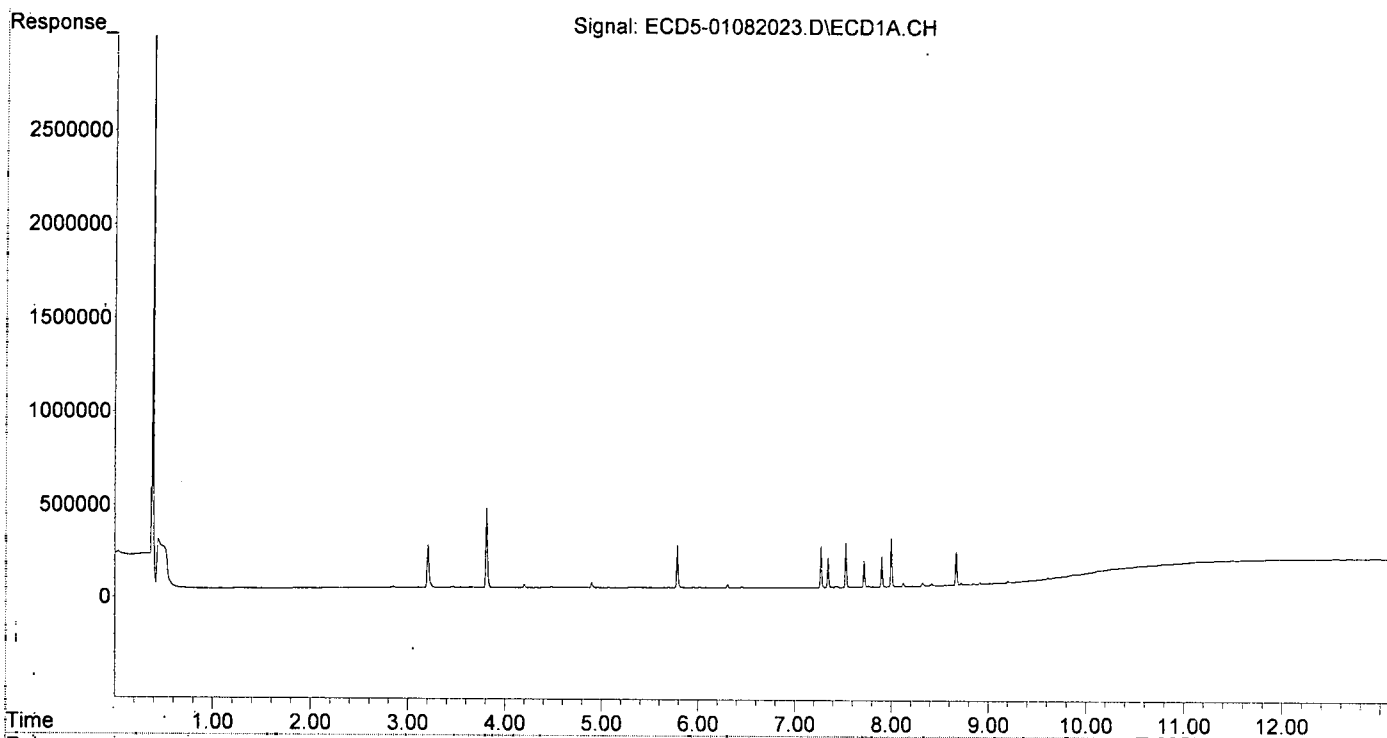
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
2) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	N.D. 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...	3.204	3.812	233620	433391	1.290	1.197
24) Hexachlor...	5.783	6.595	233462	346466	1.321	1.182
25) Oxychlordane	7.271	8.070	223883	298417	1.388	1.180
26) 2,4'-DDE	7.343	8.269	161136	220925	1.494	1.162
27) trans-Non...	7.527	8.345	240849	328300	1.340	1.164
28) 2,4'-DDD	7.716	8.644	143303	193608	1.457	1.142
29) 2,4'-DDT	7.900	8.871	162358	215626	1.678	1.544
30) cis-Nonac...	7.997	8.914	263651	344851	1.290	1.077
31) Mirex	8.667	9.851	181371	237397	1.288	1.199
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 : R:\data\2020-01\0A08041\
 Data File : ECD5-01082023.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 18:16
 Operator : MJB
 Sample : 0A08041-CALB
 Misc : A19K263, 9-42 1 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: Jan 09 10:50:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 10:48:41 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082024.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 18:33
 Operator: MJB
 Sample: 0A08041-CALC
 Misc: A19K264, 9-42 2 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: Jan 09 10:50:54 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 10:48:41 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MR
1/9/20

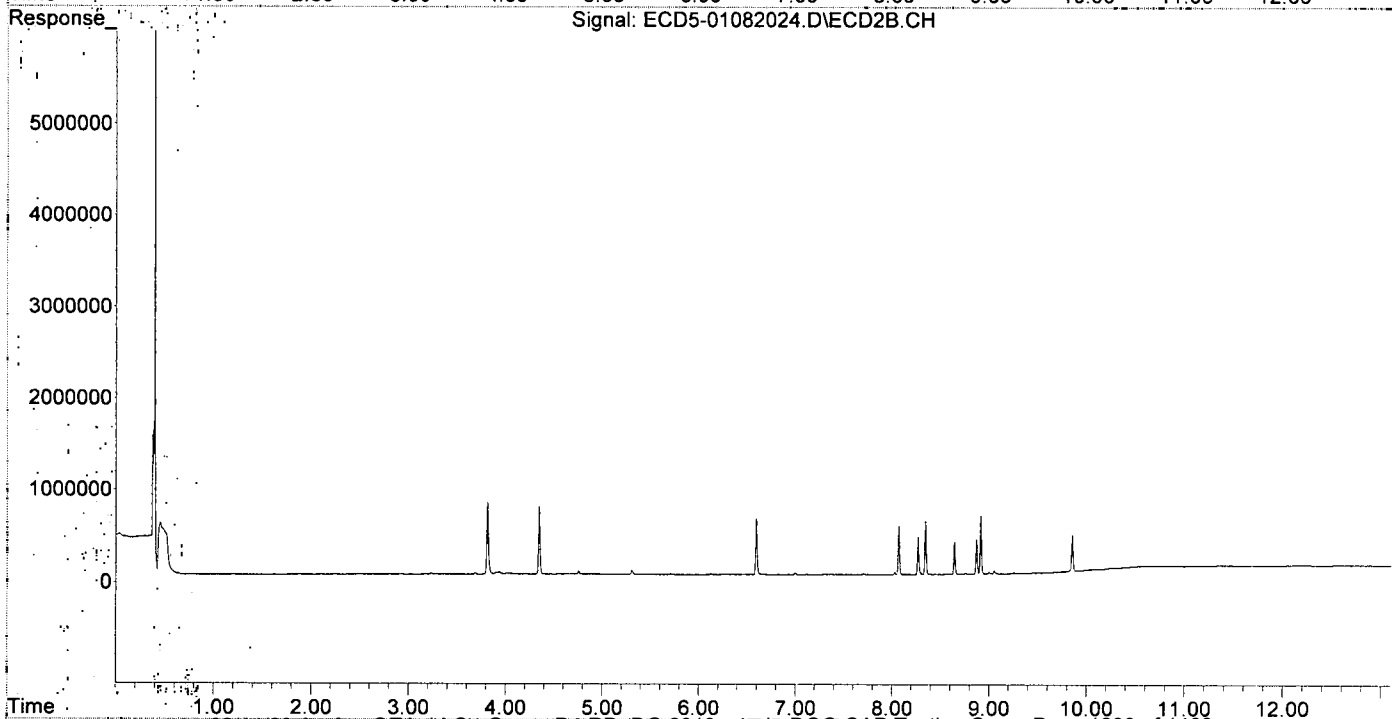
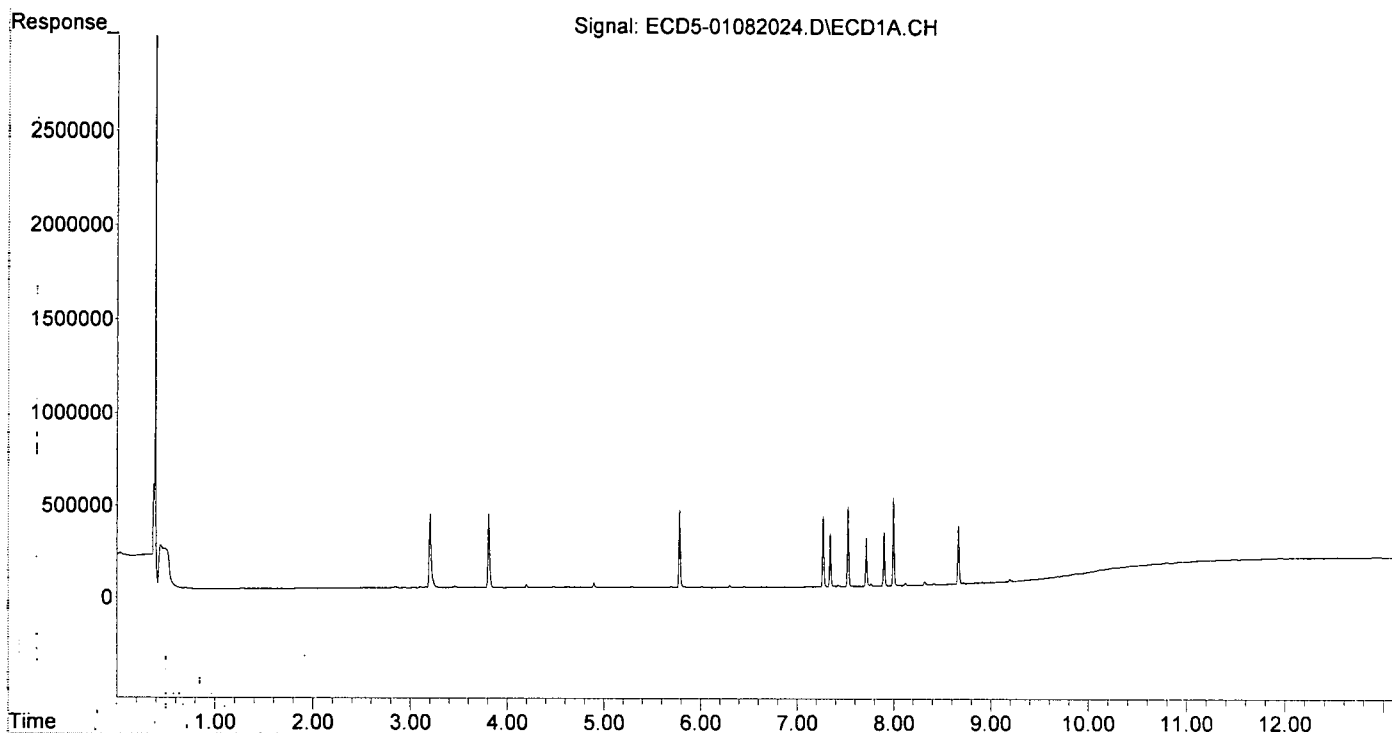
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.204	3.812	399253	769290	2.325	2.124
24) Hexachlor...	5.783	6.595	418552	608347	2.518	2.076
25) Oxychlorane	7.270	8.070	376867	529184	2.467	2.092
26) 2,4'-DDE	7.343	8.269	286330	399650	2.656	2.101
27) trans-Non...	7.527	8.345	424879	574207	2.364	2.035
28) 2,4'-DDD	7.716	8.644	258533	345575	2.629	2.038
29) 2,4'-DDT	7.899	8.871	289368	367900	2.951	2.692
30) cis-Nonac...	7.997	8.914	471473	627227	2.290	1.959
31) Mirex	8.667	9.851	308615	390163	2.371	2.209
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 18:33
Operator : MJB
Sample : 0A08041-CALC
Misc : A19K264, 9-42 2 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: Jan 09 10:50:54 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082025.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 18:51
 Operator: MJB
 Sample: 0A08041-CALD
 Misc: A19K265, 9-42 5 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: Jan 09 10:51:42 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 10:48:41 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

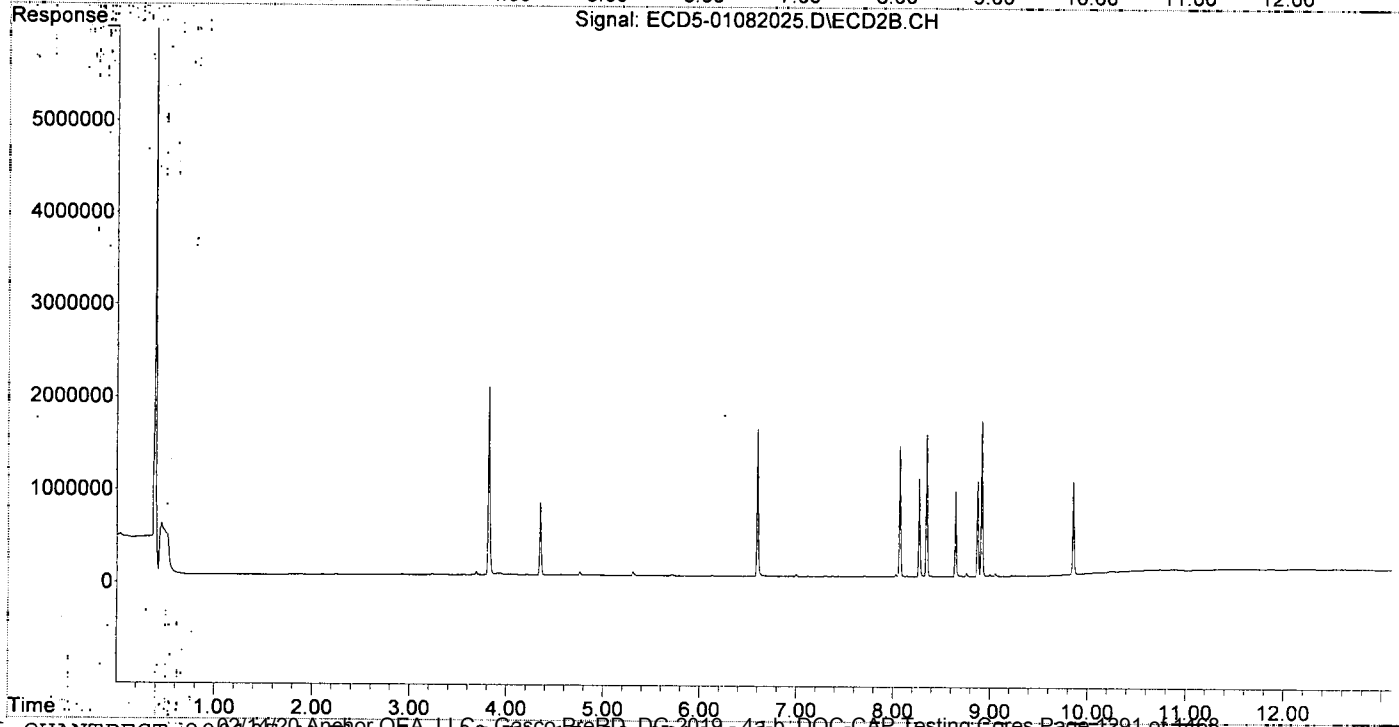
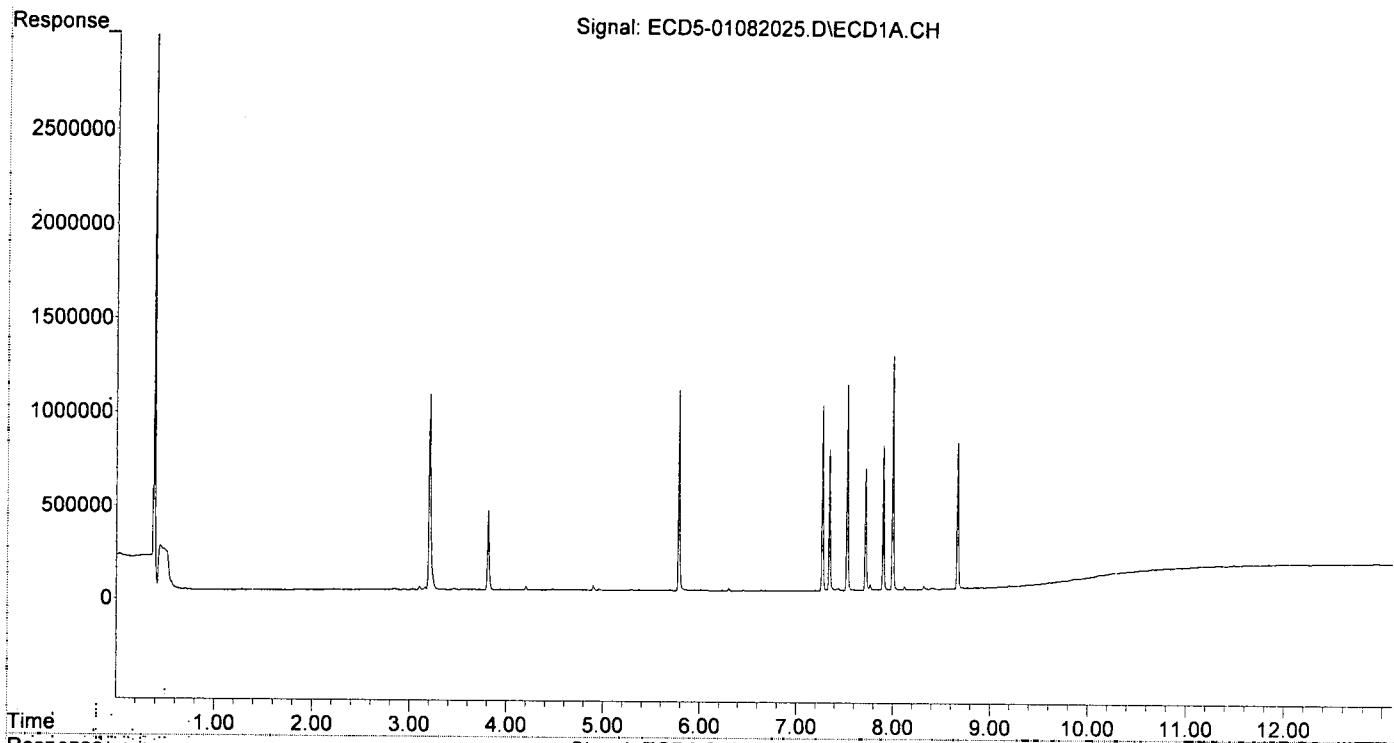
MJB
1/9/20

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...	3.204	3.812	1045541	2029333	6.355	5.603
24) Hexachlor...	5.783	6.595	1068601	1591805	6.695	5.432
25) Oxychlorthane	7.269	8.069	992877	1413459	6.791	5.587
26) 2,4'-DDE	7.342	8.269	750391	1064459	6.960	5.597
27) trans-Non...	7.526	8.345	1102633	1536268	6.134	5.445
28) 2,4'-DDD	7.715	8.643	654513	924181	6.657	5.451
29) 2,4'-DDT	7.899	8.870	769647	1030344	7.954	7.619
30) cis-Nonac...	7.996	8.913	1247247	1678168	6.057	5.241
31) Mirex	8.666	9.850	779540	1002877	6.374	6.236
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.

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 18:51
Operator : MJB
Sample : 0A08041-CALD
Misc : A19K265, 9-42 5 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: Jan 09 10:51:42 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082026.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 19:08
 Operator : MJB
 Sample : 0A08041-CALE
 Misc : A19K266, 9-42 10 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: Jan 09 10:52:20 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 10:48:41 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
 1/9/20

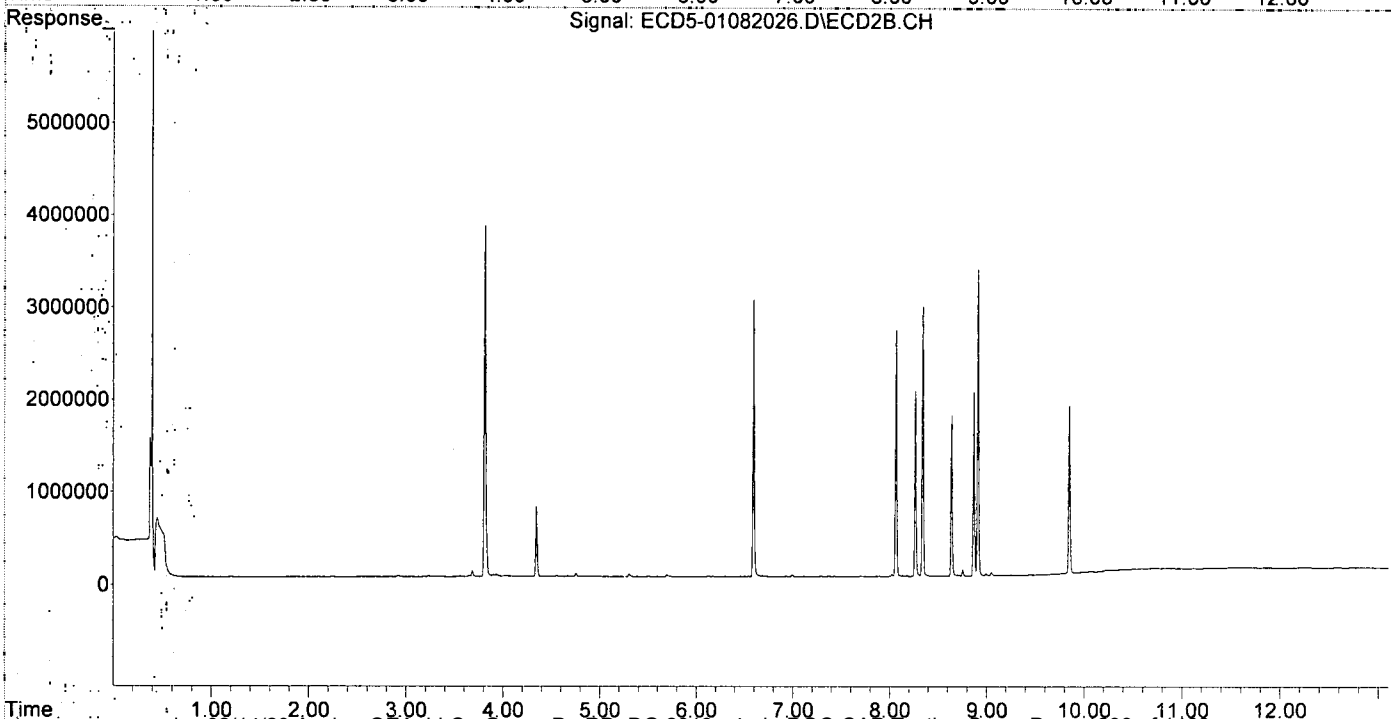
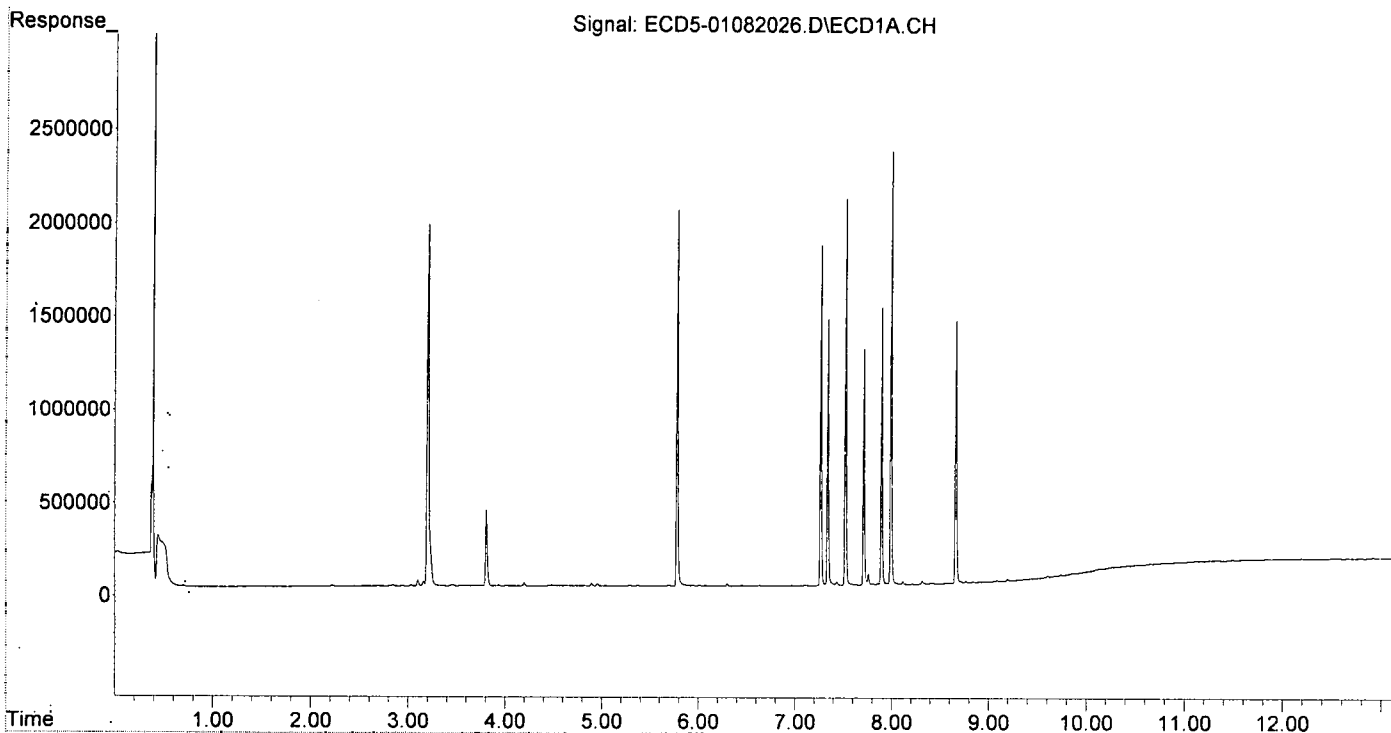
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.204	3.812	1945769	3803037	11.951	10.500
24) Hexachlor...	5.782	6.594	2009121	3000124	12.672	10.239
25) Oxychlordane	7.269	8.069	1829348	2670941	12.616	10.557
26) 2,4'-DDE	7.342	8.268	1426392	2004027	13.229	10.538
27) trans-Non...	7.525	8.344	2076481	2924036	11.552	10.364
28) 2,4'-DDD	7.715	8.642	1263326	1737598	12.849	10.249
29) 2,4'-DDT	7.898	8.870	1485096	1992196	15.348	14.581
30) cis-Nonac...	7.995	8.912	2325112	3312382	11.291	10.344
31) Mirex	8.665	9.849	1404908	1814573	11.680	11.513
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:08
Operator : MJB
Sample : 0A08041-CALE
Misc : A19K266, 9-42 10 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: Jan 09 10:52:20 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082027.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 19:25
 Operator: MJB
 Sample: 0A08041-CALF
 Misc: CA19J407, 9-42 25 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: Jan 09 10:53:01 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 10:48:41 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

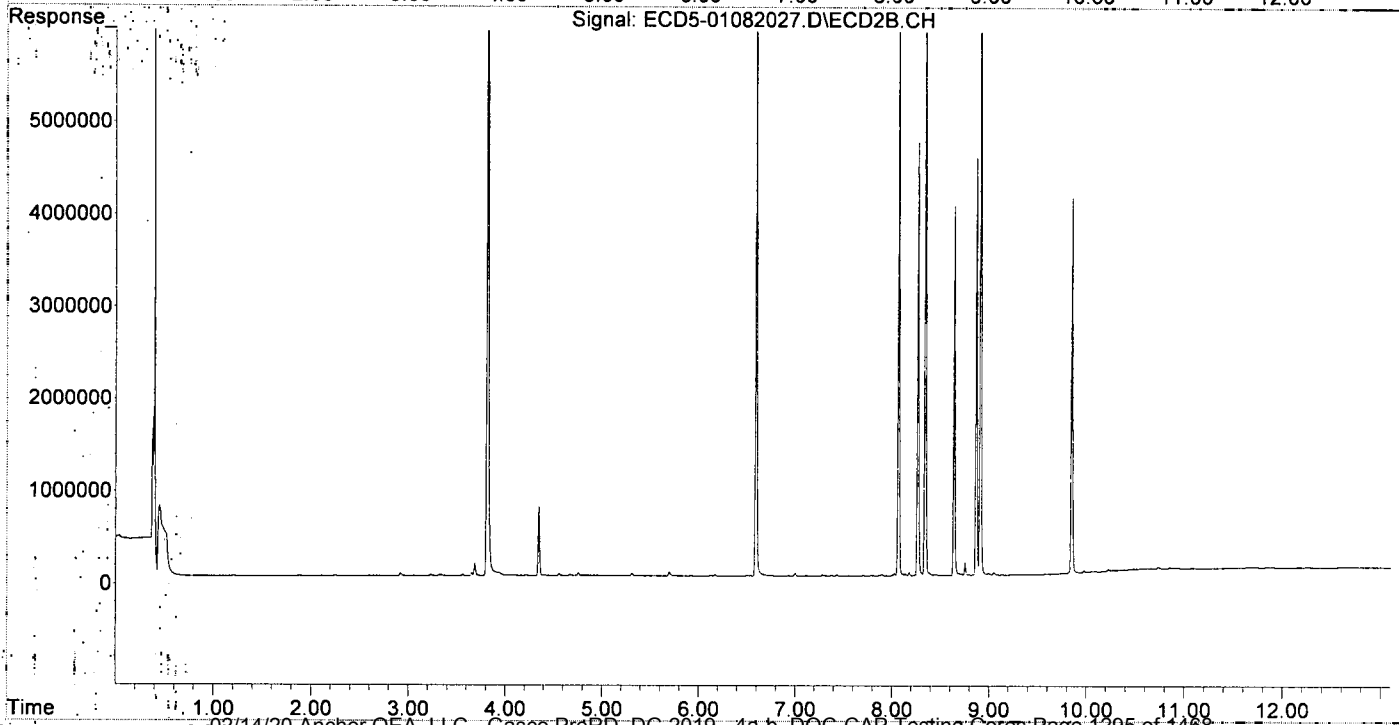
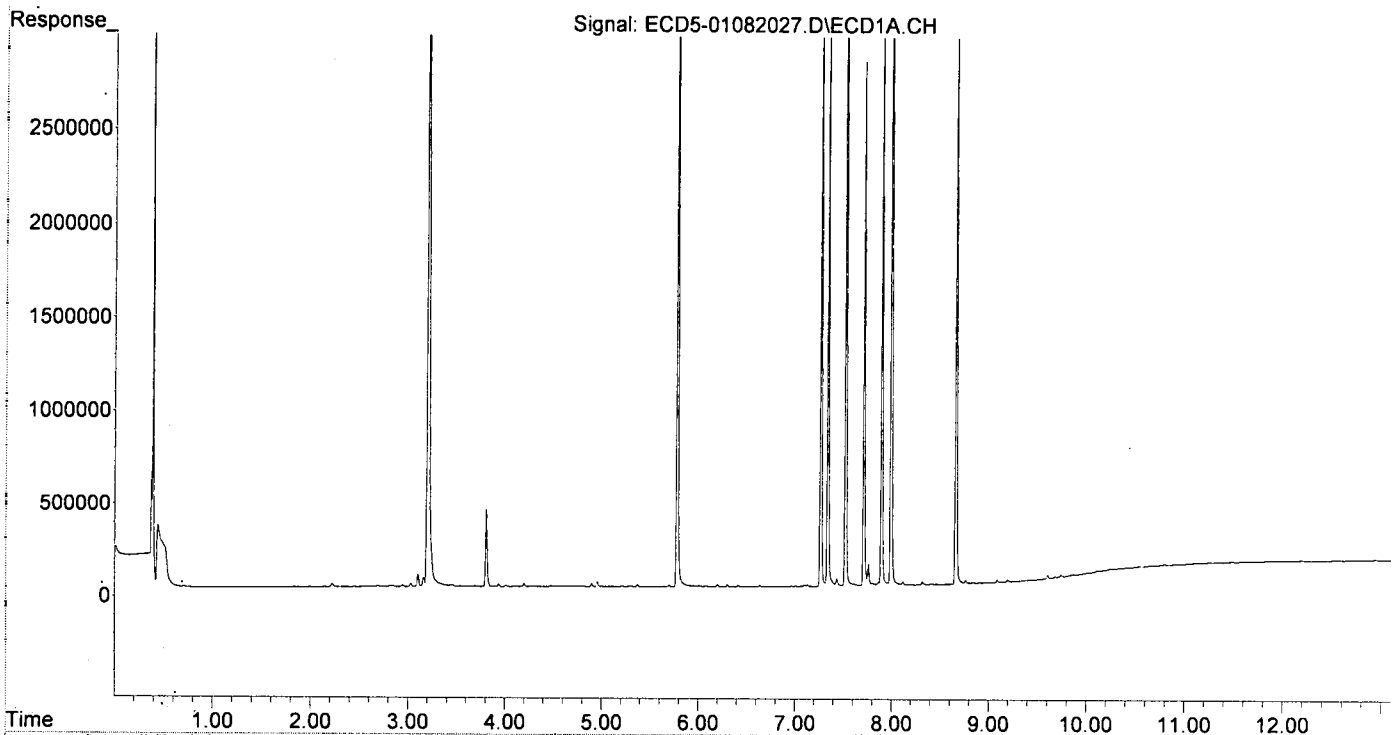
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.204	3.812	4597497	9313071	28.326	25.713
24) Hexachlor...	5.782	6.594	4493137	7094857	28.091	24.213
25) Oxychlordane	7.269	8.068	4098780	6058612	28.153	23.947
26) 2,4'-DDE	7.342	8.267	3149574	4686277	29.211	24.641
27) trans-Non...	7.525	8.344	4606719	6806494	25.628	24.126
28) 2,4'-DDD	7.714	8.642	2775117	4001030	28.224	23.600
29) 2,4'-DDT	7.898	8.870	3121710	4507962	32.262	31.851
30) cis-Nonac...	7.996	8.912	5230489	7616878	25.400	23.787
31) Mirex	8.665	9.850	3051838	4062388	25.597	25.799
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:25
Operator : MJB
Sample : 0A08041-CALF
Misc : A19J407, 9-42 25 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: Jan 09 10:53:01 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082028.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 19:42
 Operator : MJB
 Sample : 0A08041-CALG
 Misc : A19J408, 9-42 50 ppb
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 10:48:30 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Wed Jan 08 17:25:24 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

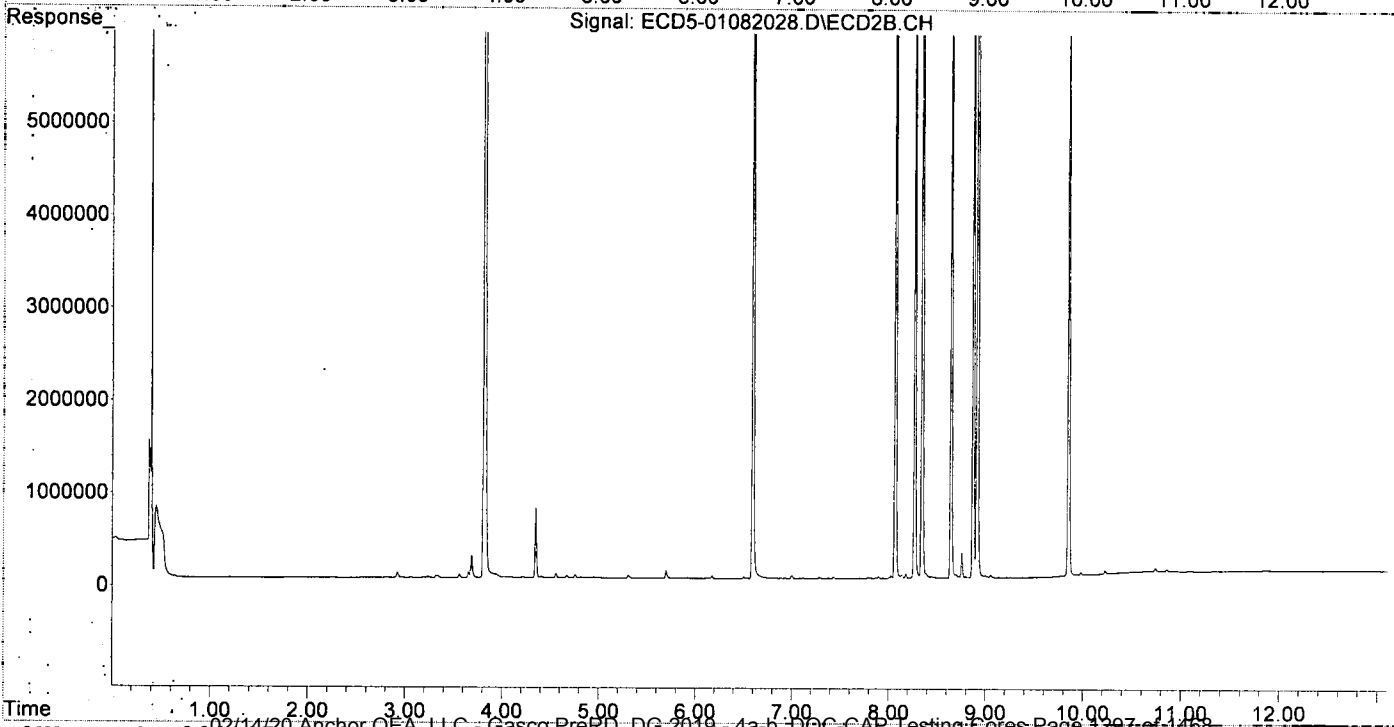
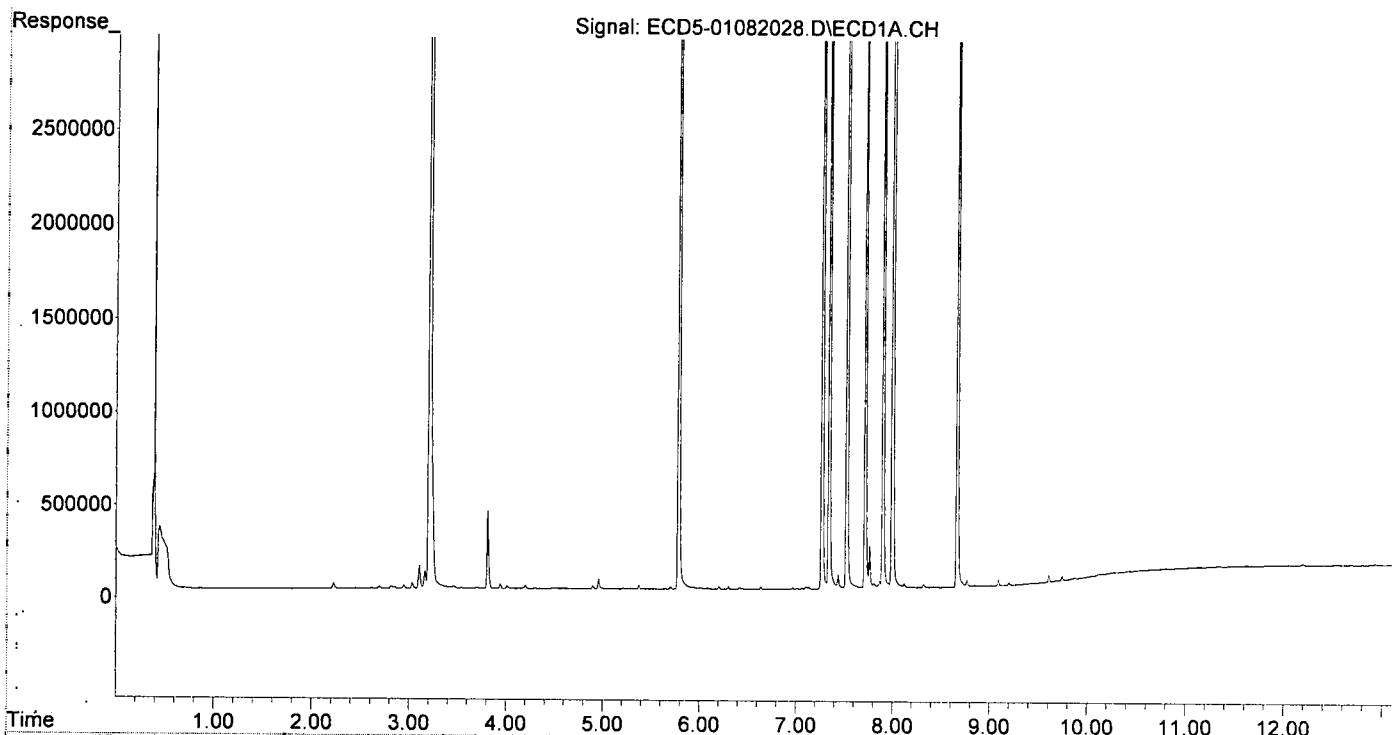
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.205	3.813	9074096	18914087	55.606	52.221
24) Hexachlor...	5.783	6.594	9072972	14722842	55.268	50.245
25) Oxychlordane	7.269	8.069	8215656	12801082	55.423	50.598
26) 2,4'-DDE	7.342	8.268	6308999	9671234	58.514	50.853
27) trans-Non...	7.525	8.344	9587997	14237107	53.340	50.464
28) 2,4'-DDD	7.715	8.643	5793992	8525916	58.927	50.289
29) 2,4'-DDT	7.898	8.870	6696394	9539513	69.206	63.156
30) cis-Nonac...	7.996	8.913	10691936	16481609	51.923	51.471
31) Mirex	8.664	9.849	6228349	8711340	52.219	53.974
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:42
Operator : MJB
Sample : 0A08041-CALG
Misc : A19J408, 9-42 50 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 10:48:30 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Wed Jan 08 17:25:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082029.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 19:59
 Operator: MJB
 Sample: 0A08041-CALH
 Misc: A19J409, 9-42 100 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: Jan 09 10:53:40 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 10:48:41 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

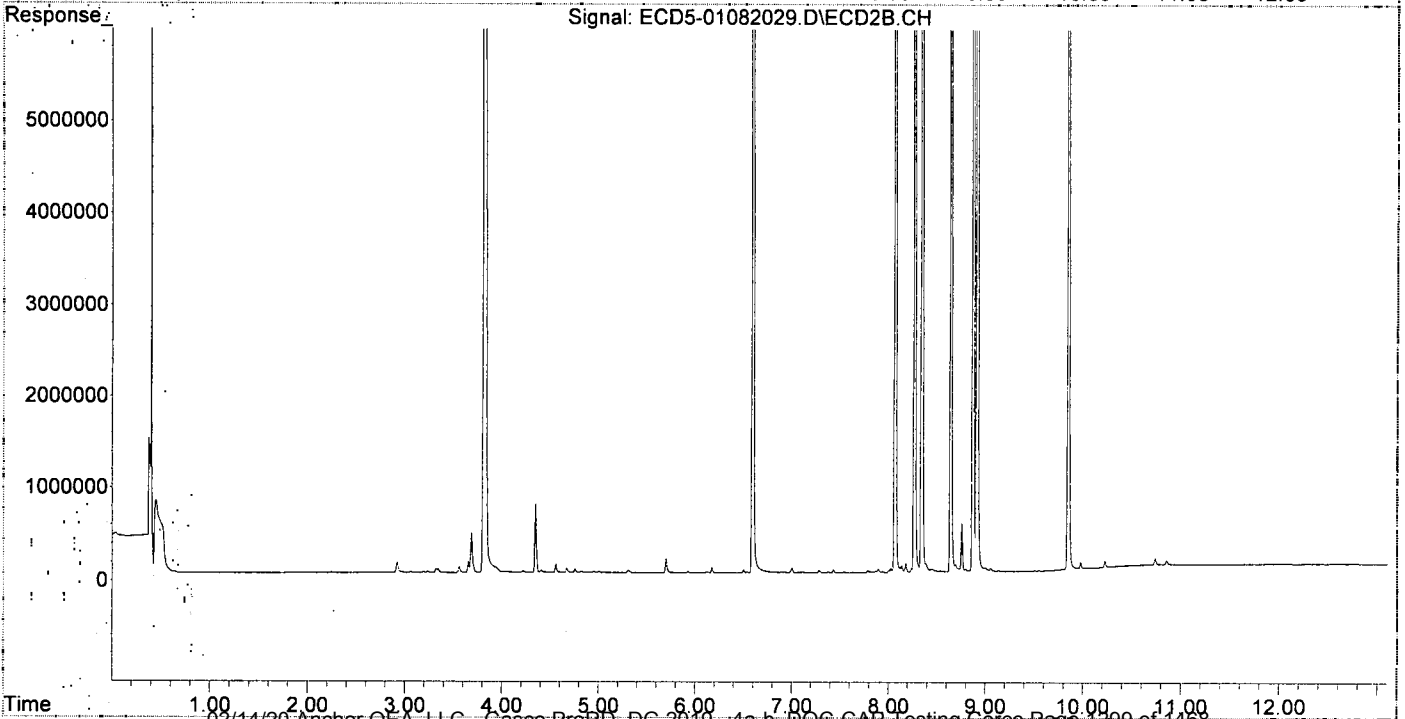
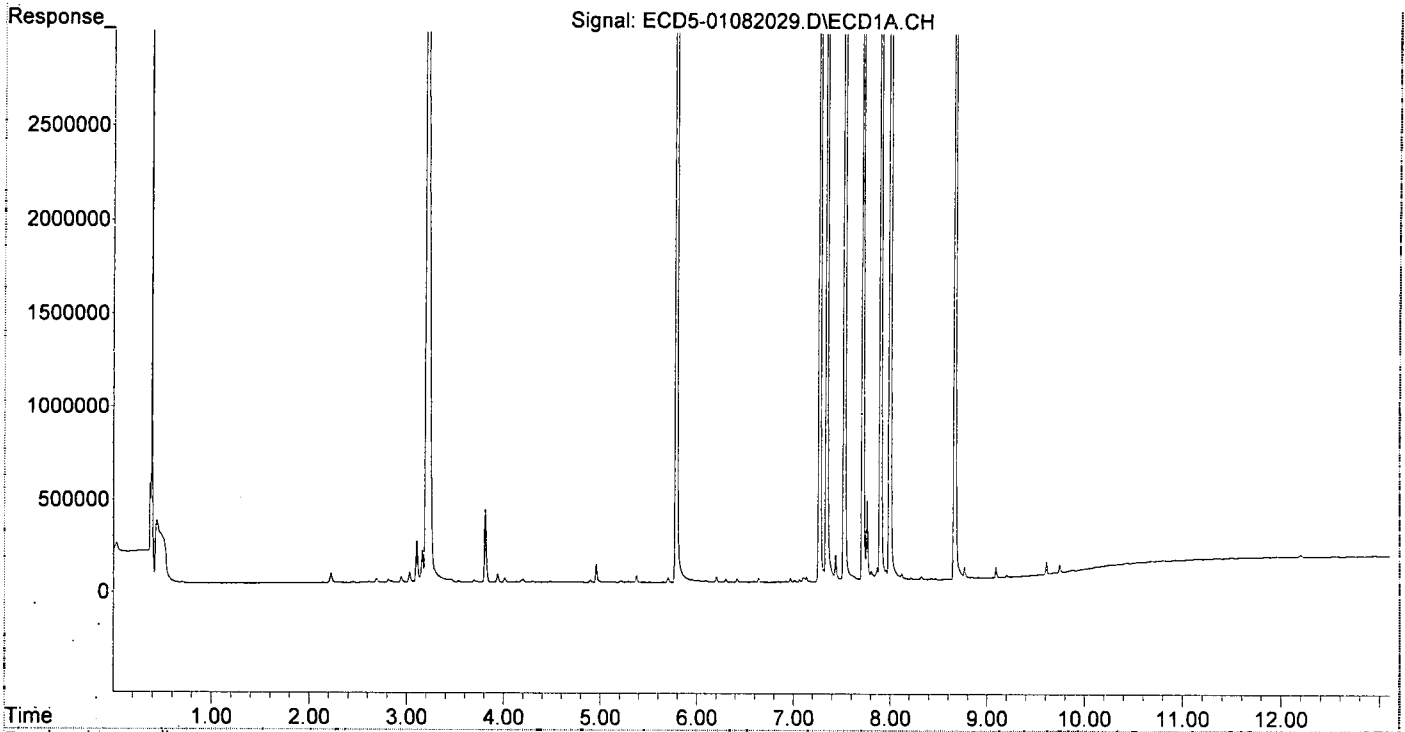
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.206	3.815	17394566	38229851	105.161	105.551
24) Hexachlor...	5.784	6.596	18585378	32205210	107.439	109.908
25) Oxychlorane	7.268	8.069	16805225	27140079	109.028	107.274
26) 2,4'-DDE	7.342	8.268	12901574	20763038	119.659	109.177
27) trans-Non...	7.525	8.345	19039022	30738362	105.918	108.953
28) 2,4'-DDD	7.714	8.643	11692511	18437918	118.918	108.755
29) 2,4'-DDT	7.898	8.871	13018738	21210506	134.546	124.733
30) cis-Nonac...	7.995	8.914	21489716	34383242	104.359	107.378
31) Mirex	8.665	9.850	12402281	18148608	103.158	106.532
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 19:59
Operator : MJB
Sample : 0A08041-CALH
Misc : A19J409, 9-42 100 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: Jan 09 10:53:40 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082030.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 20:16
 Operator : MJB
 Sample : 0A08041-CALI
 Misc : A19K262, 9-42 200 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: Jan 09 10:54:22 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 10:48:41 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

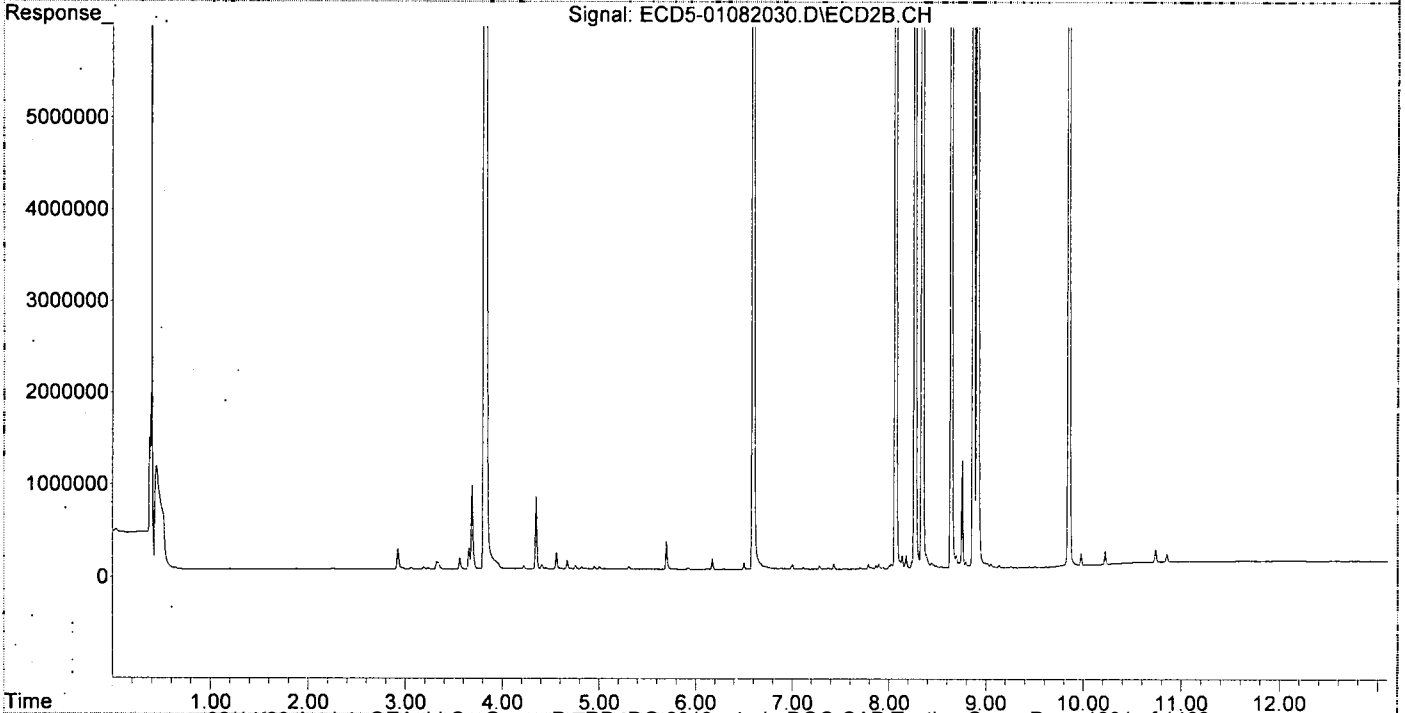
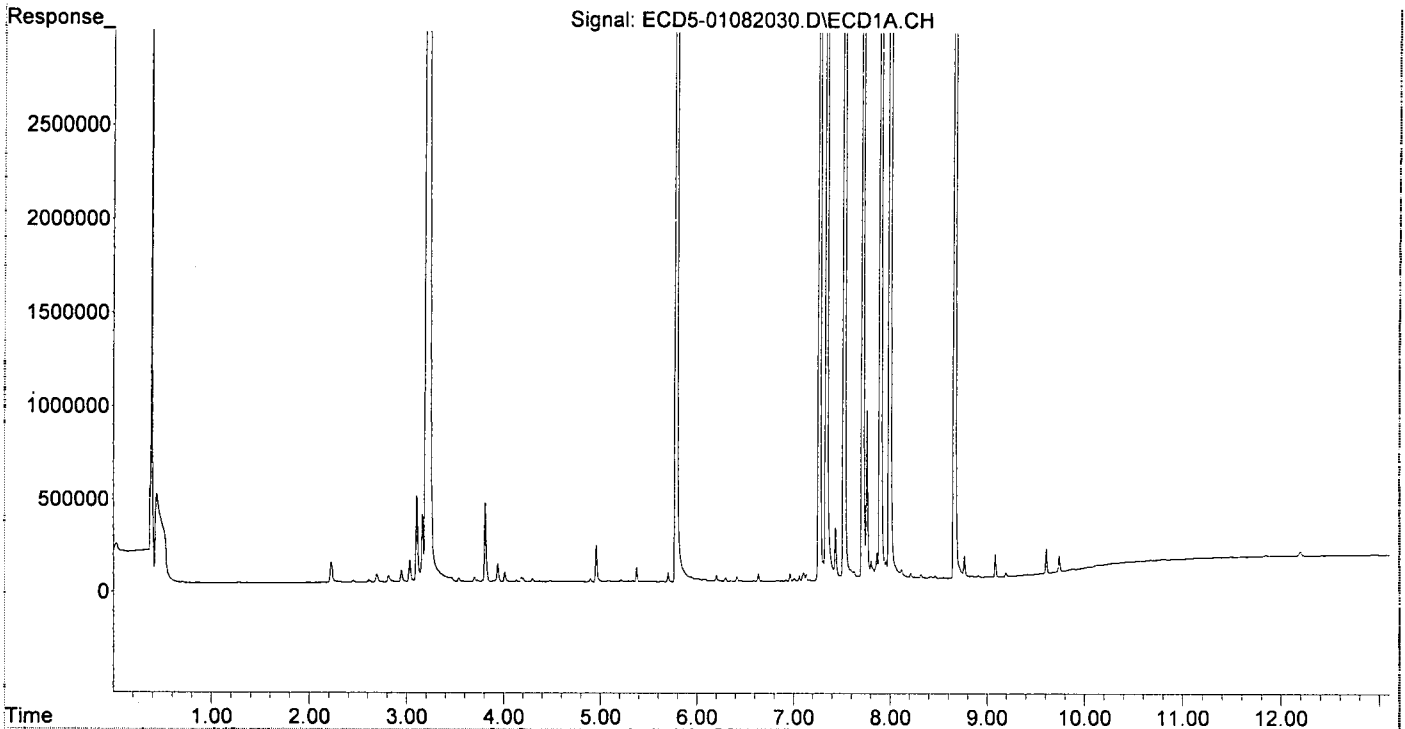
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	3.207	3.816	39175750	89386875	228.590	246.793
24) Hexachlor...	5.785	6.596	40170217	72028476	210.537	245.814
25) Oxychlorane	7.268	8.070	37392659	64166951	223.707	253.627
26) 2,4'-DDE	7.341	8.269	28334770	48551140	262.798	255.292
27) trans-Non...	7.524	8.345	42021101	70596801	233.773	250.232
28) 2,4'-DDD	7.714	8.644	25551013	43266219	259.864	255.202
29) 2,4'-DDT	7.898	8.871	30632011	51802491	316.576	248.573
30) cis-Nonac...	7.995	8.914	46693209	82216113	226.753	256.758
31) Mirex	8.664	9.851	27850544	43923618	226.322	228.660
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 20:16
Operator : MJB
Sample : 0A08041-CALI
Misc : A19K262, 9-42 200 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: Jan 09 10:54:22 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082033.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 21:07
 Operator : MJB
 Sample : 0A08041-CALJ
 Misc : A20A097, CHLOR 10 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 : Jan 09 10:56:50 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 10:55:56 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

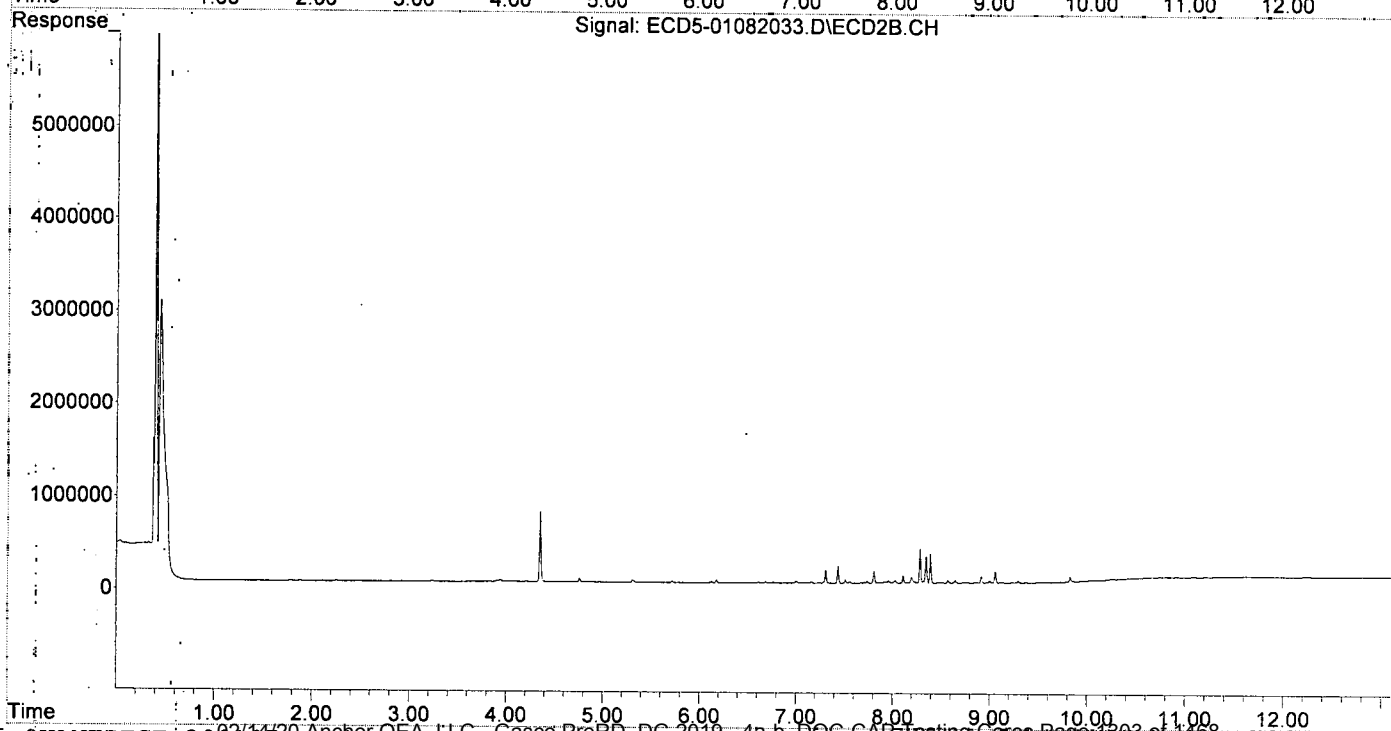
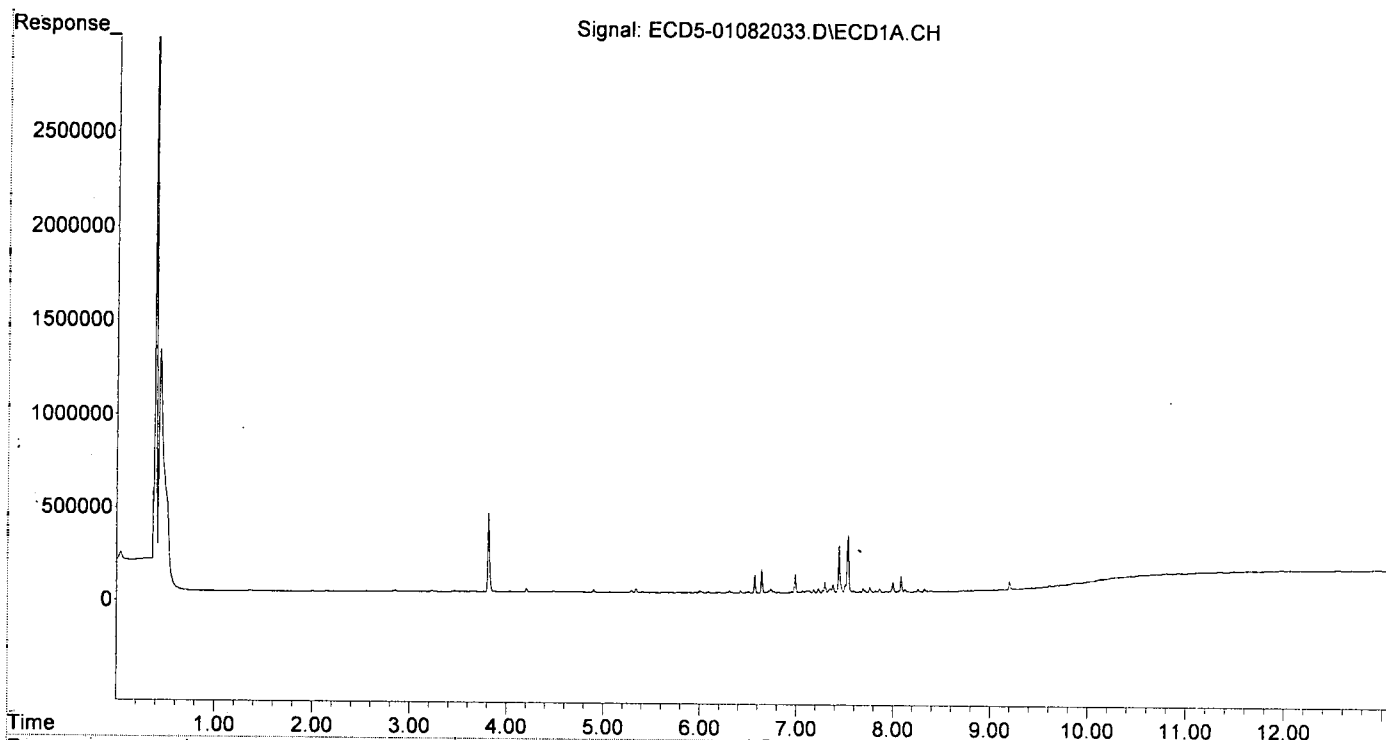
MJB
1/9/20

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) Oxychlorthane	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...	7.440	8.283	252150	382772	13.197	11.271
33) Chlordane...	7.533	8.391	308195	324236	13.680	11.224
34) Chlordane...	8.082	9.059	86683	125739	15.186	2.515 #
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.

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:07
Operator : MJB
Sample : 0A08041-CALJ
Misc : A20A097, CHLOR 10 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: Jan 09 10:56:50 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:55:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082034.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 21:25
 Operator: MJB
 Sample: 0A08041-CALK
 Misc: A19K307, CHLOR 50 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: Jan 09 10:57:35 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 10:55:56 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

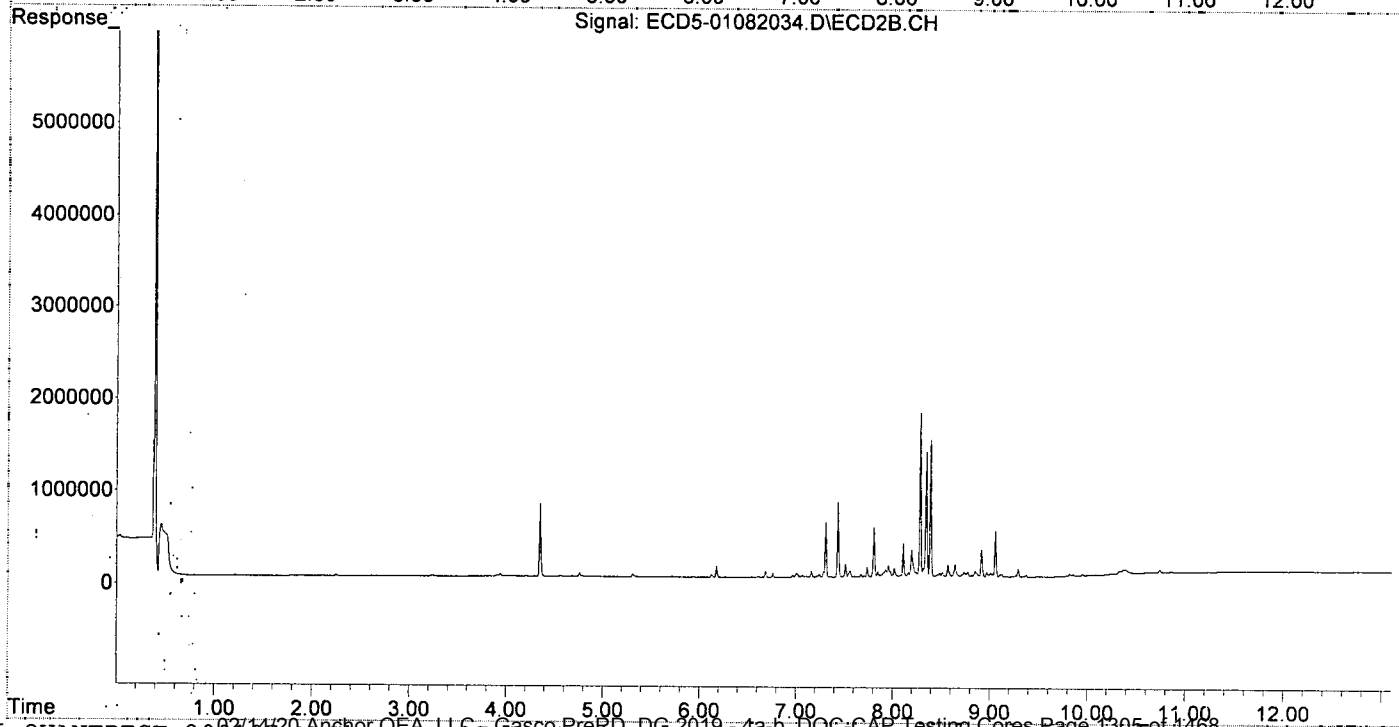
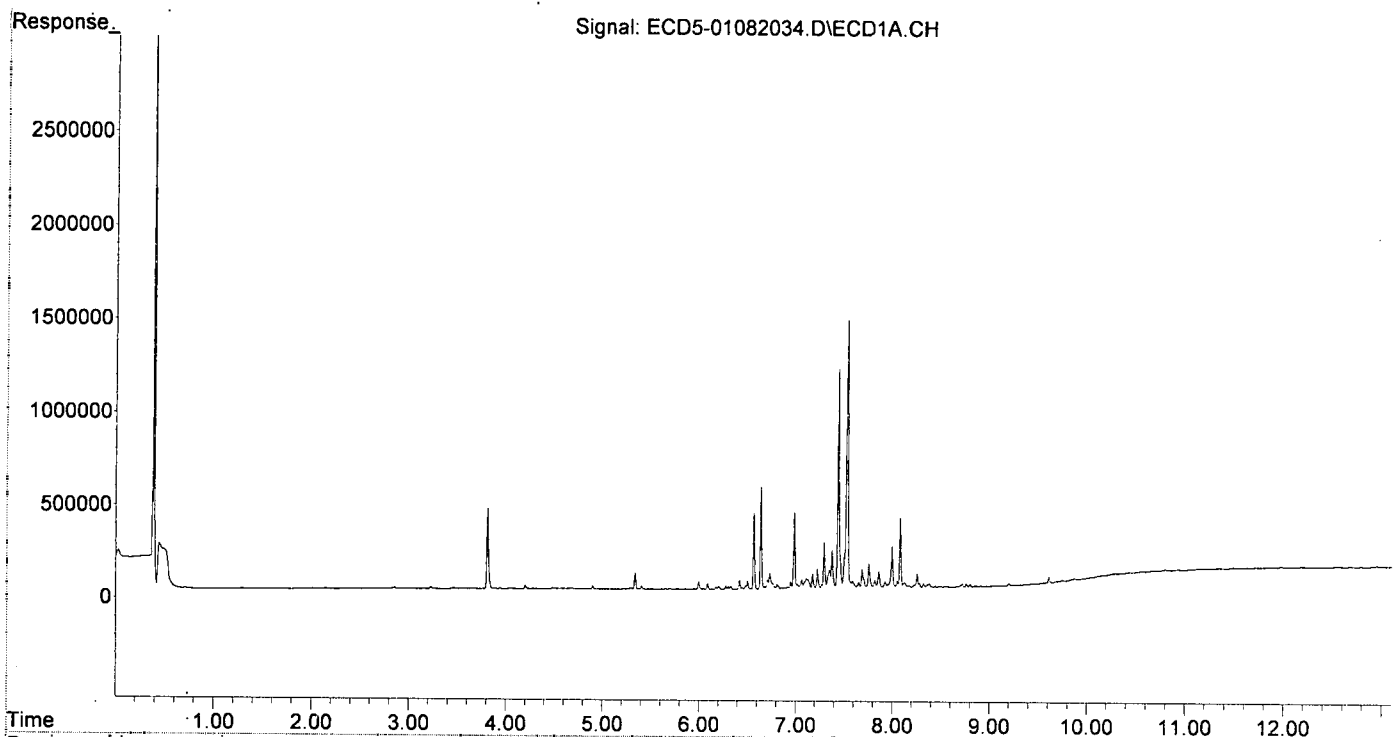
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlordan	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...	7.438	8.282	1178611	1787106	61.686	52.624
33) Chlordane...	7.531	8.389	1443194	1486141	64.061	51.447
34) Chlordane...	8.080	9.057	377844	498592	66.195	50.592
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 : R:\data\2020-01\0A08041\
 Data File : ECD5-01082034.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 21:25
 Operator : MJB
 Sample : 0A08041-CALK
 Misc : A19K307, CHLOR 50 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: Jan 09 10:57:35 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 10:55:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082035.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 21:42
 Operator: MJB
 Sample: 0A08041-CALL
 Misc: A19K308, CHLOR 100 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: Jan 09 10:58:11 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 10:55:56 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

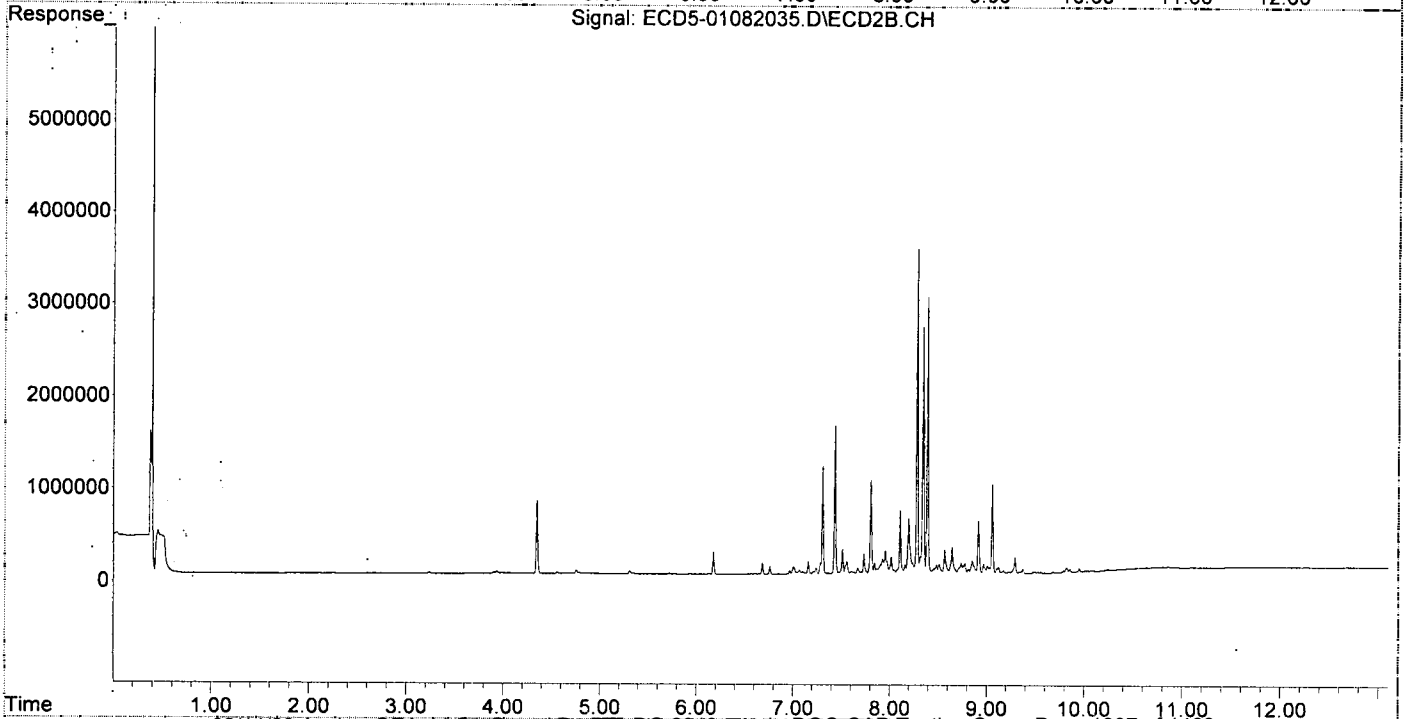
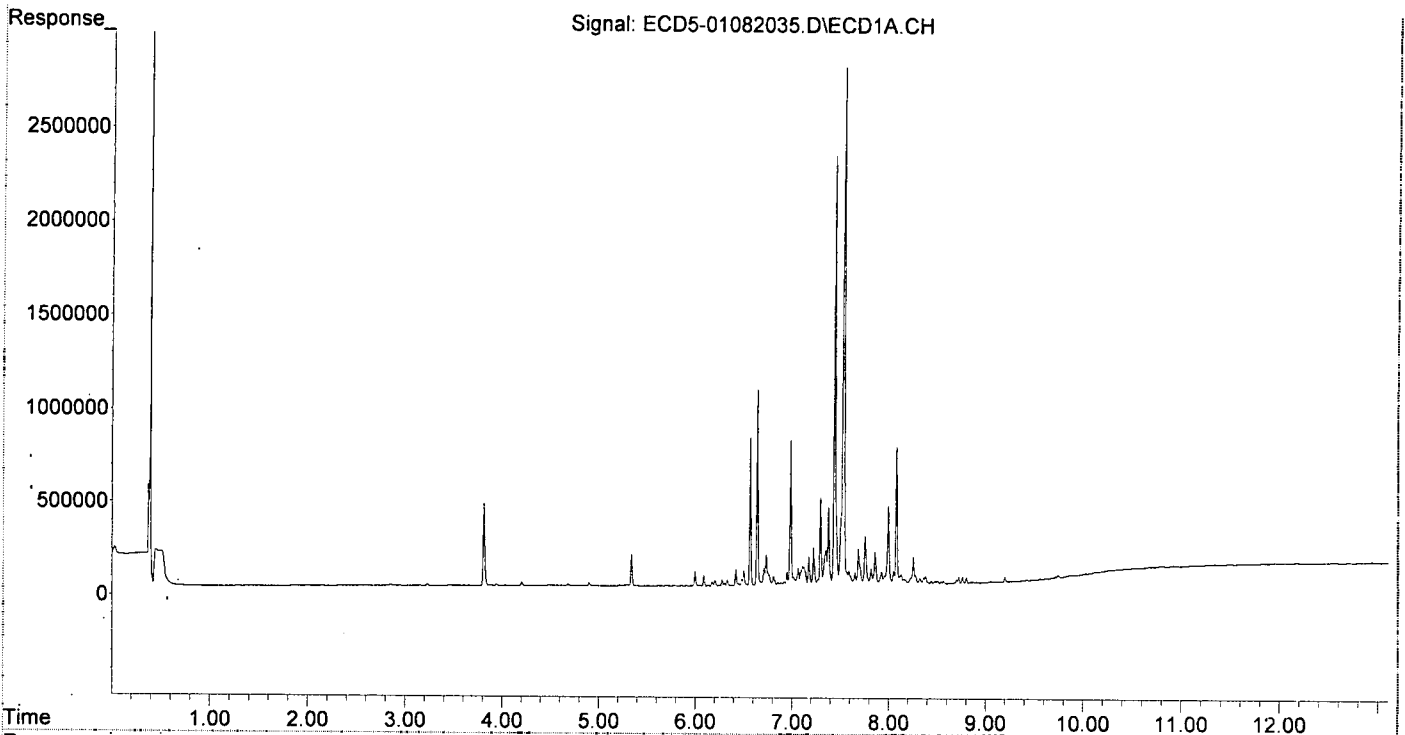
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.439	8.282	2294923	3516336	120.111	103.543
33)	Chlordane...	7.531	8.389	2780199	2986956	123.408	103.402
34)	Chlordane...	8.080	9.058	729916	972427	127.875	111.196
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:42
Operator : MJB
Sample : 0A08041-CALL
Misc : A19K308, CHLOR 100 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: Jan 09 10:58:11 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:55:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082036.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 21:59
 Operator: MJB
 Sample: 0A08041-CALM
 Misc: A19K309, CHLOR 200 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: Jan 09 10:58:49 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 10:55:56 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

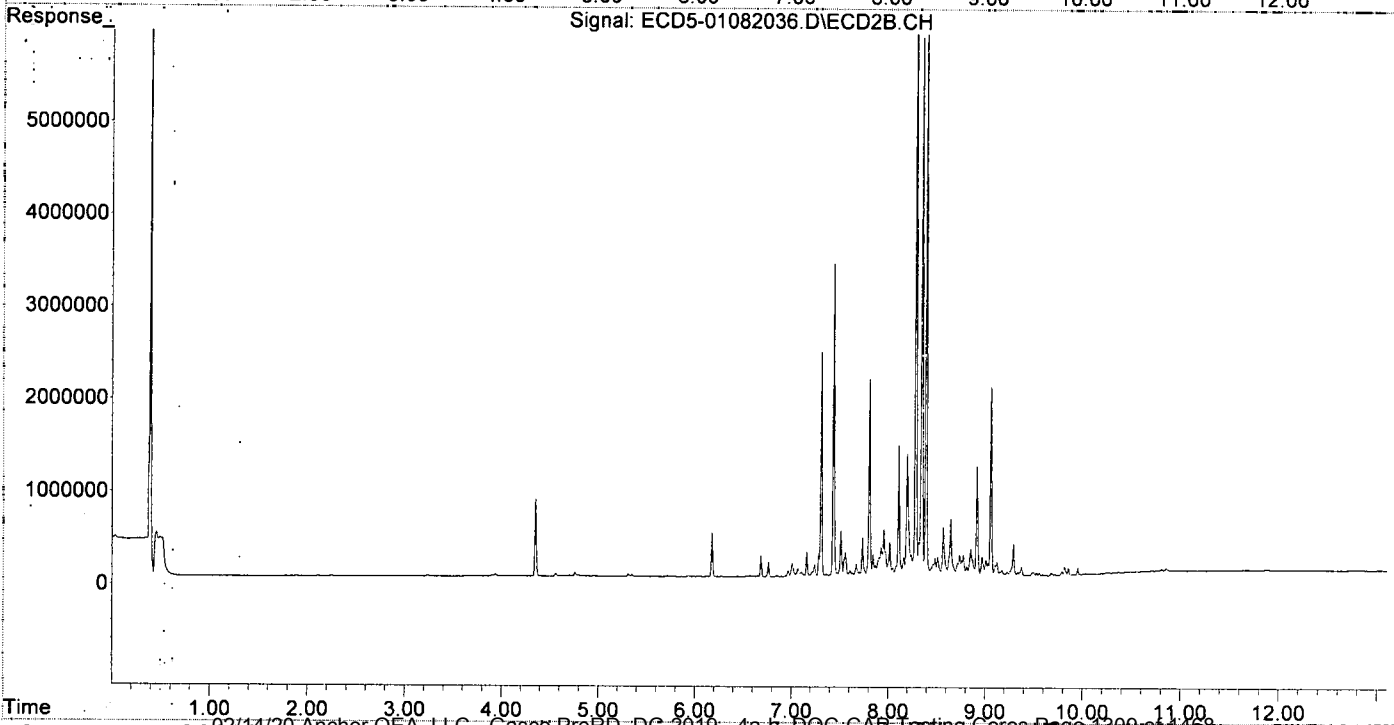
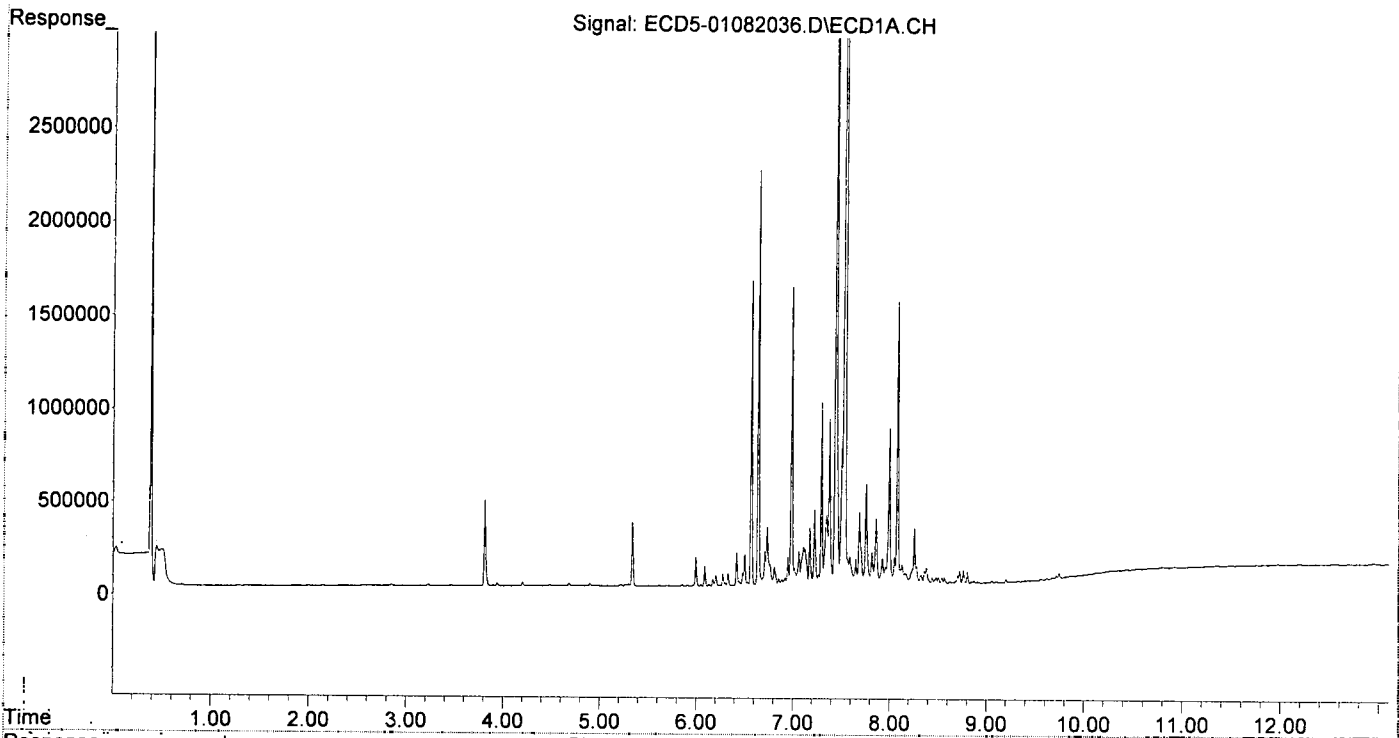
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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)	Oxychlorthane	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...	7.438	8.281	4793058	7736201	250.857	227.803
33)	Chlordane...	7.531	8.389	5801810	6344746	257.533	219.641
34)	Chlordane...	8.080	9.058	1505062	2047397	263.675	246.714
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 21:59
Operator : MJB
Sample : 0A08041-CALM
Misc : A19K309, CHLOR 200 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: Jan 09 10:58:49 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:55:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082037.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 22:16
 Operator : MJB
 Sample : 0A08041-CALN
 Misc : A19K310, CHLOR 500 ppb
 ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time : Jan 09 10:55:39 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 10:48:41 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

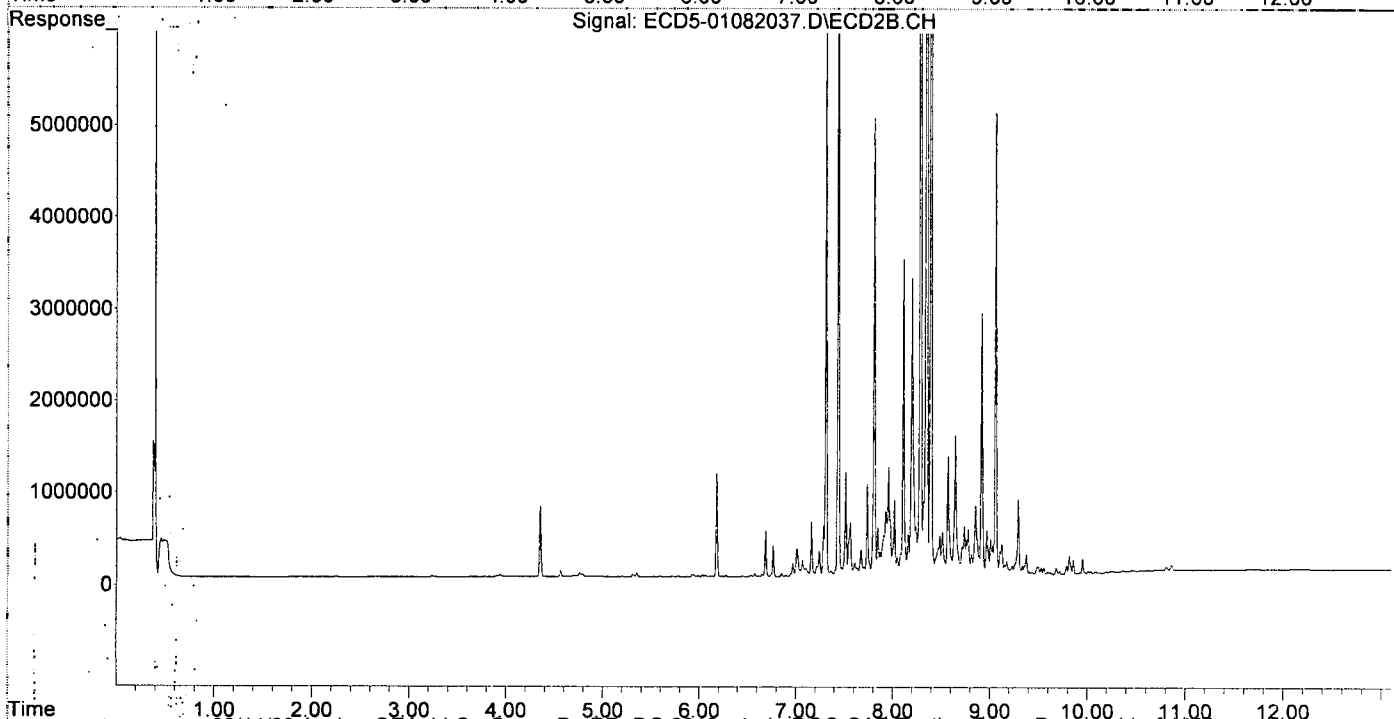
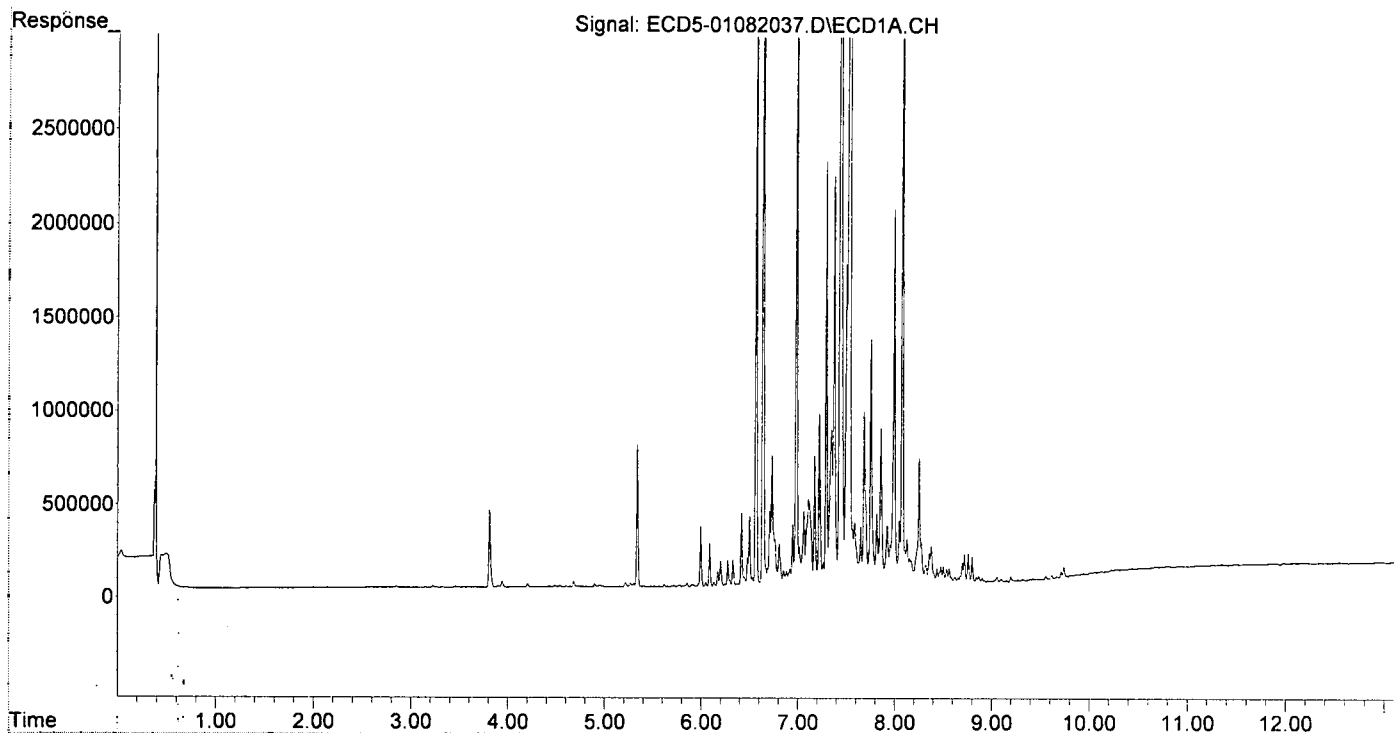
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	7.437	8.282	11206289	19234034	586.509	566.373
33) Chlordane...	7.530	8.389	13908359	15819527	617.369	547.638
34) Chlordane...	8.080	9.058	3625557	5010516	635.188	607.184
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 22:16
Operator : MJB
Sample : 0A08041-CALN
Misc. : A19K310, CHLOR 500 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 10:55:39 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:48:41 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082038.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 22:33
 Operator: MJB
 Sample: 0A08041-CALO
 Misc: CA19K311, CHLOR 1000 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: Jan 09 10:59:33 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 10:55:56 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

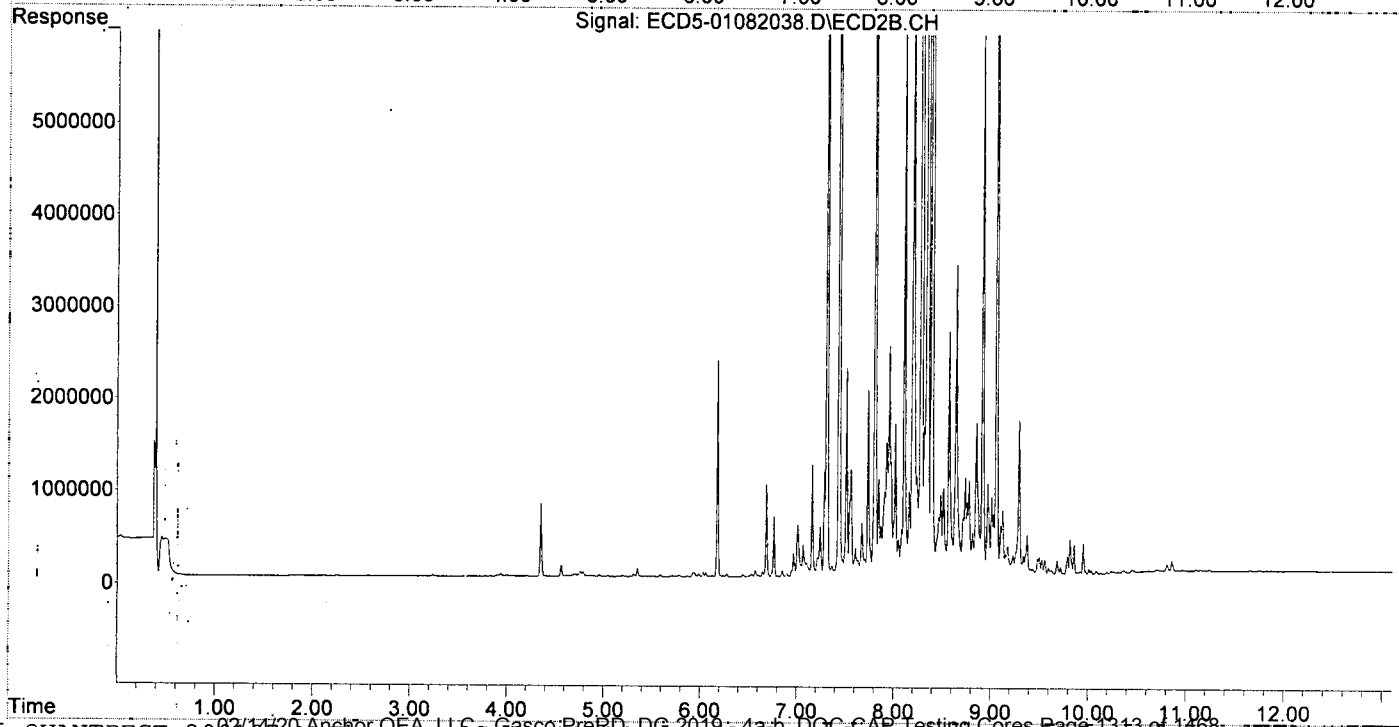
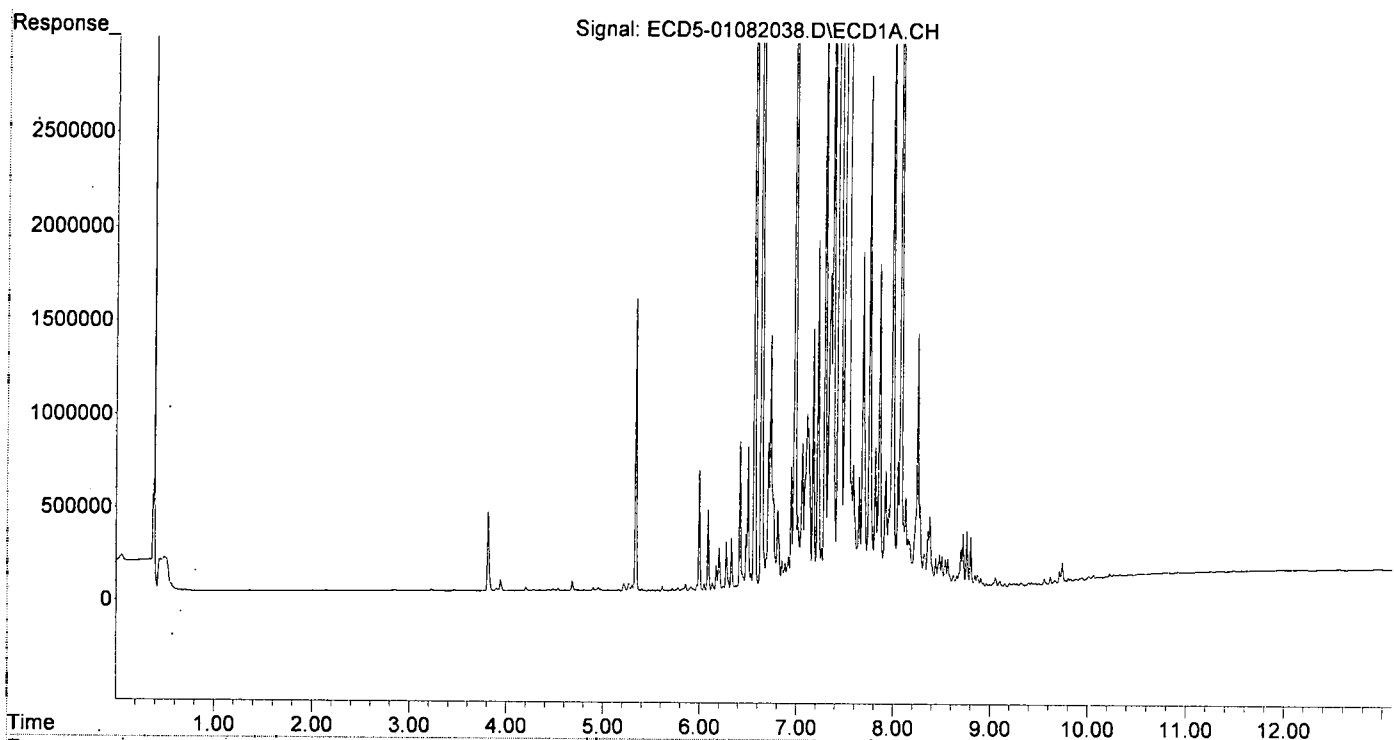
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S FCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	7.436	8.282	23306867	41815031	1219.823	1231.302
33) Chlordane...	7.530	8.390	28733989	33826481	1275.454	1171.000
34) Chlordane...	8.079	9.058	7448098	10569130	1304.847	1239.129
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 22:33
Operator : MJB
Sample : 0A08041-CALO
Misc : A19K311, CHLOR 1000 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: Jan 09 10:59:33 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:55:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082039.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 22:50
 Operator : MJB
 Sample : 0A08041-CALP
 Misc : A19K306, CHLOR 2000 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: Jan 09 11:00:12 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 10:55:56 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

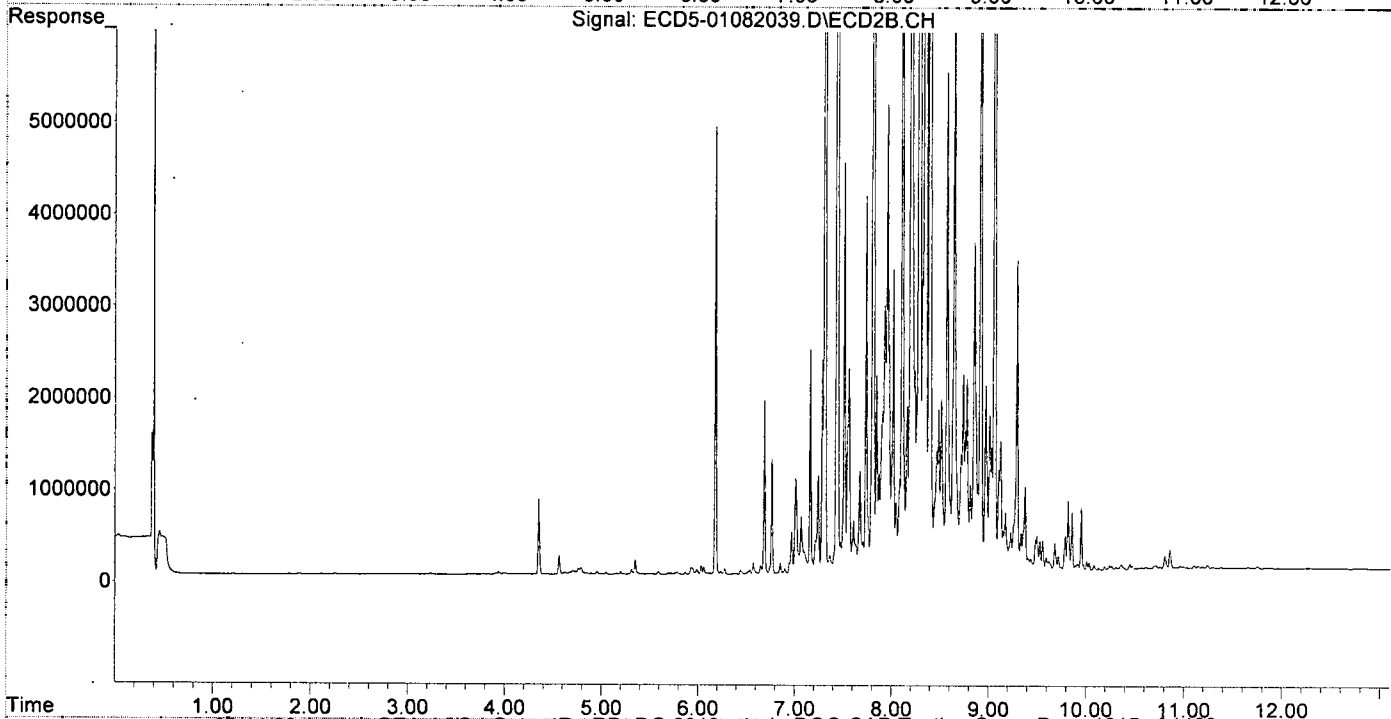
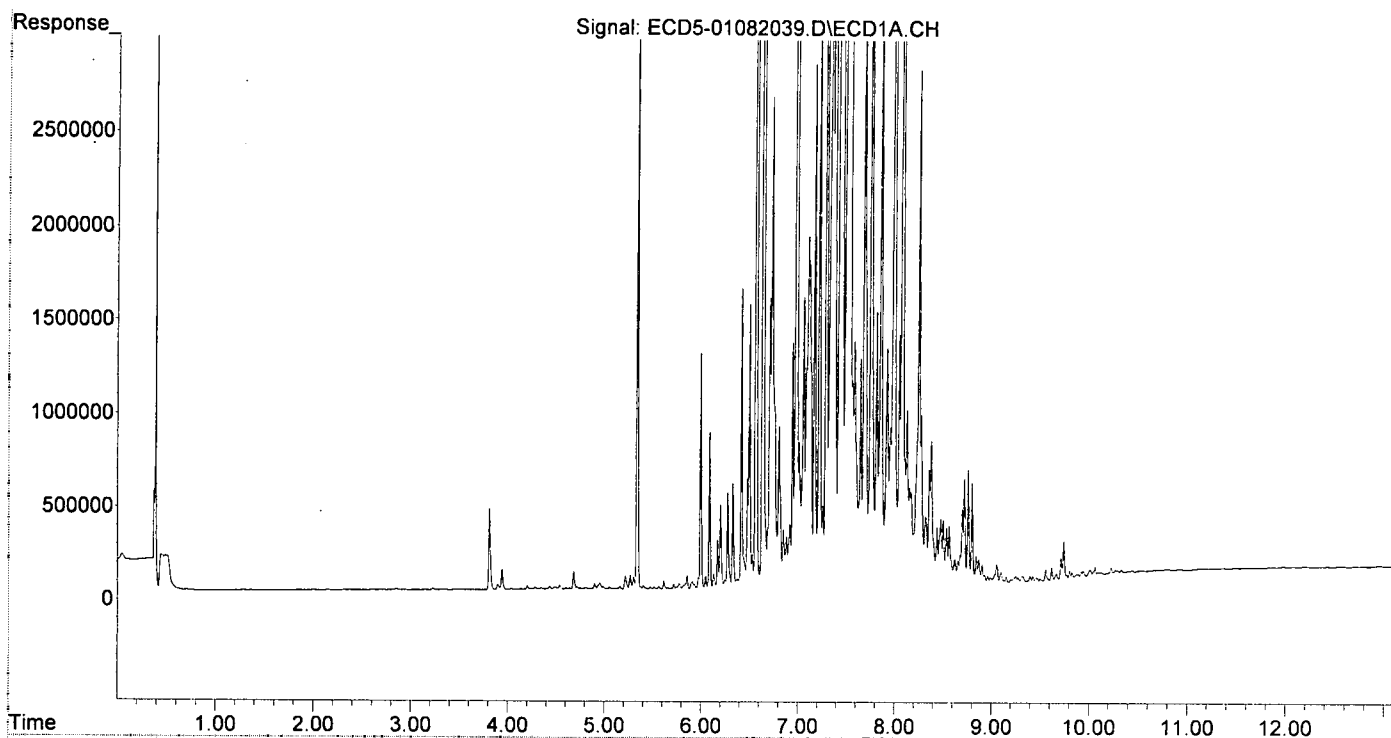
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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)	Oxychlorthane	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...	7.438	8.285	45620260	88263621	2387.651	2599.045
33)	Chlordane...	7.532	8.392	57400215	70960383	2547.901	2456.495
34)	Chlordane...	8.081	9.060	15008543	22453950	2629.376	2444.230
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 22:50
Operator : MJB
Sample : 0A08041-CALP
Misc : A19K306, CHLOR 2000 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: Jan 09 11:00:12 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:55:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 23:41
 Operator : MJB
 Sample : 0A08041-CALQ
 Misc : A20A098, TOX 10 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: Jan 09 11:03:52 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 QLast Update: Thu Jan 09 11:01:59 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB 1/9/20

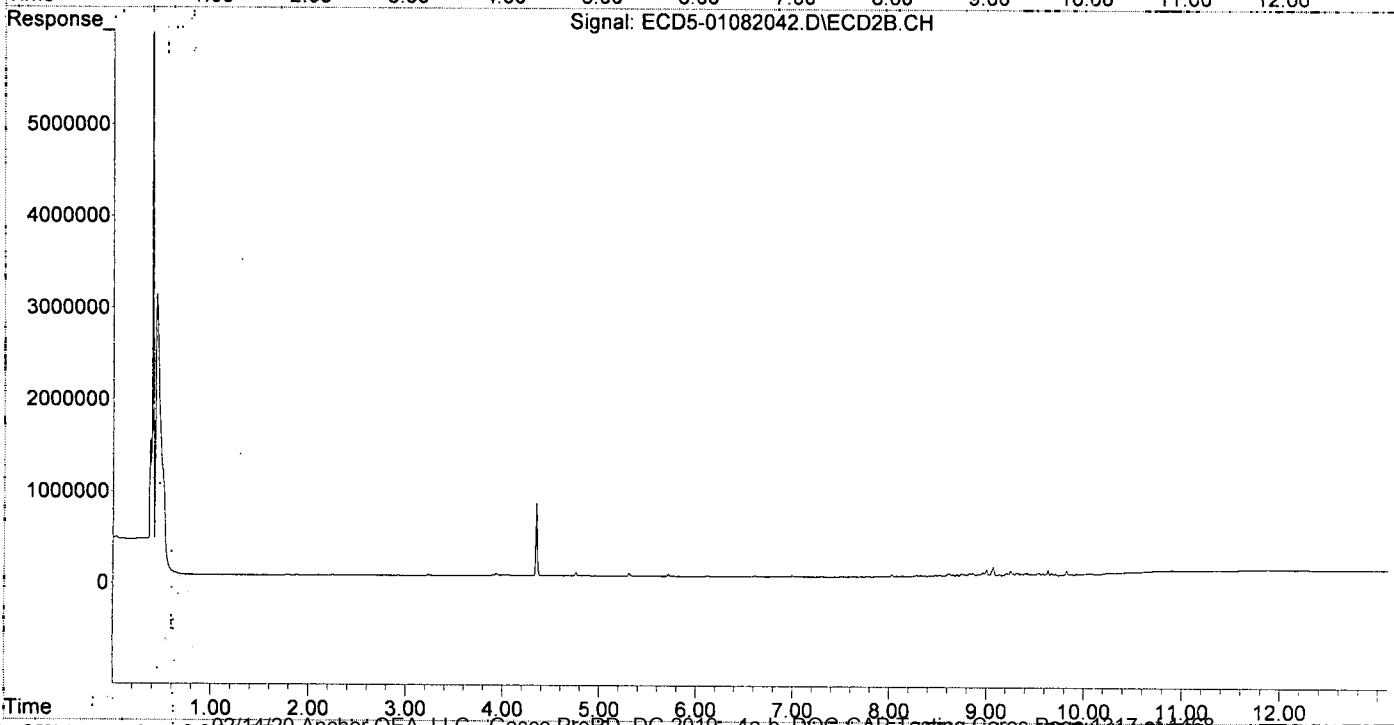
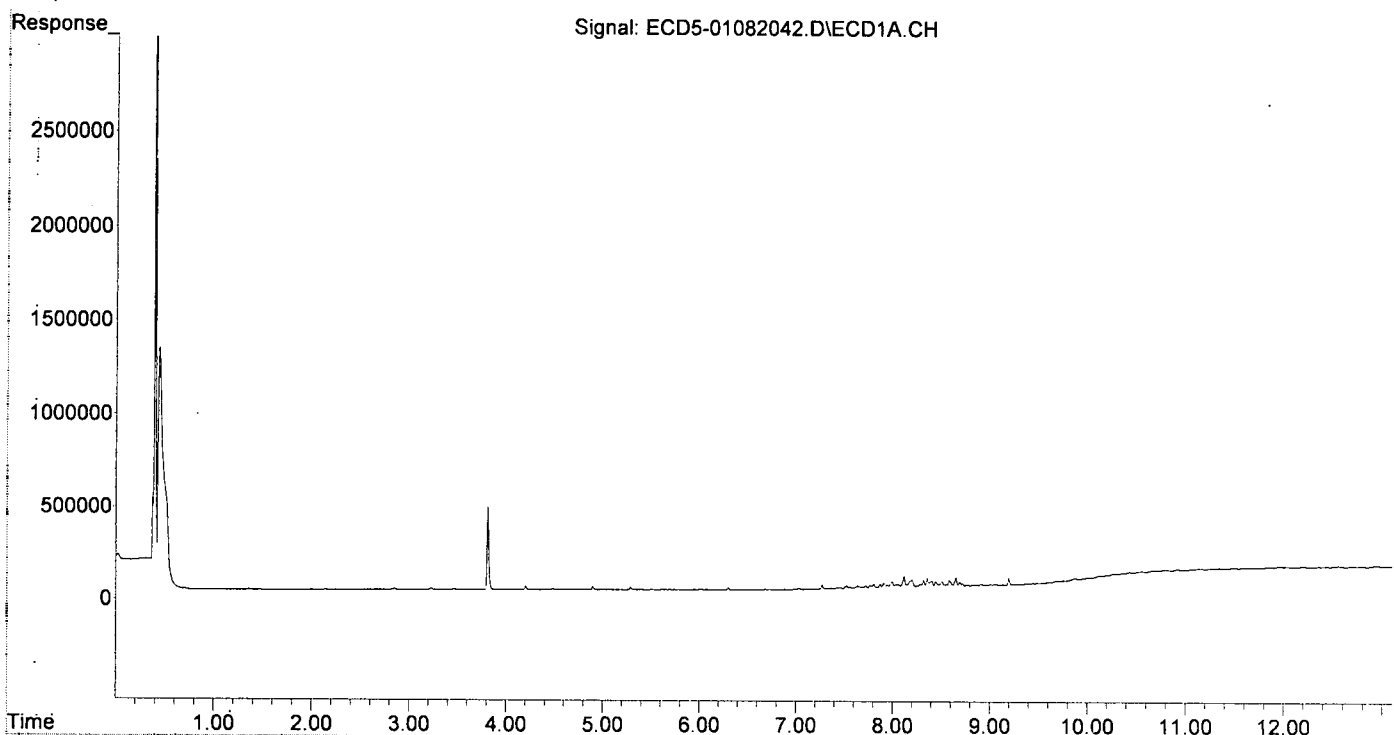
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorthane	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...	7.513	8.619	12164	29639	11.777m	12.527
37) Toxaphene...	7.806	8.968	21367	37237	9.752	12.572
38) Toxaphene...	8.118	9.004	58763	70419	15.060	14.531
39) Toxaphene...	8.358	9.072	44260	99104	7.718	5.700
40) Toxaphene...	8.586	9.249	33626	51910	13.272	9.659
41) Toxaphene...	8.654	9.634	47173	57037	13.871	12.438
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

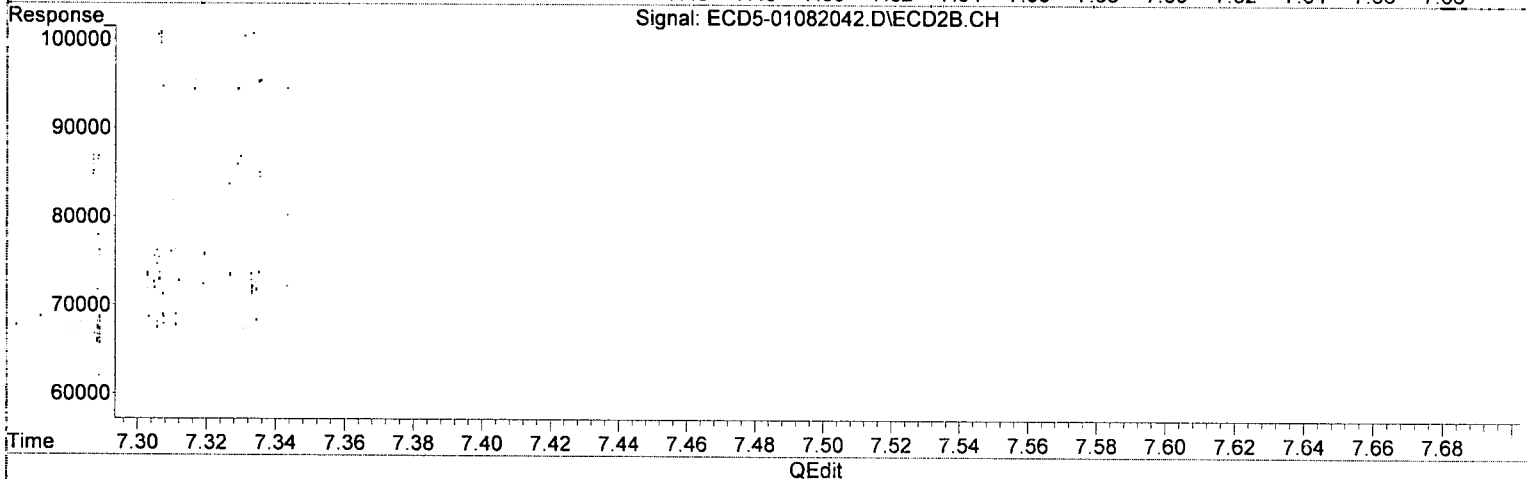
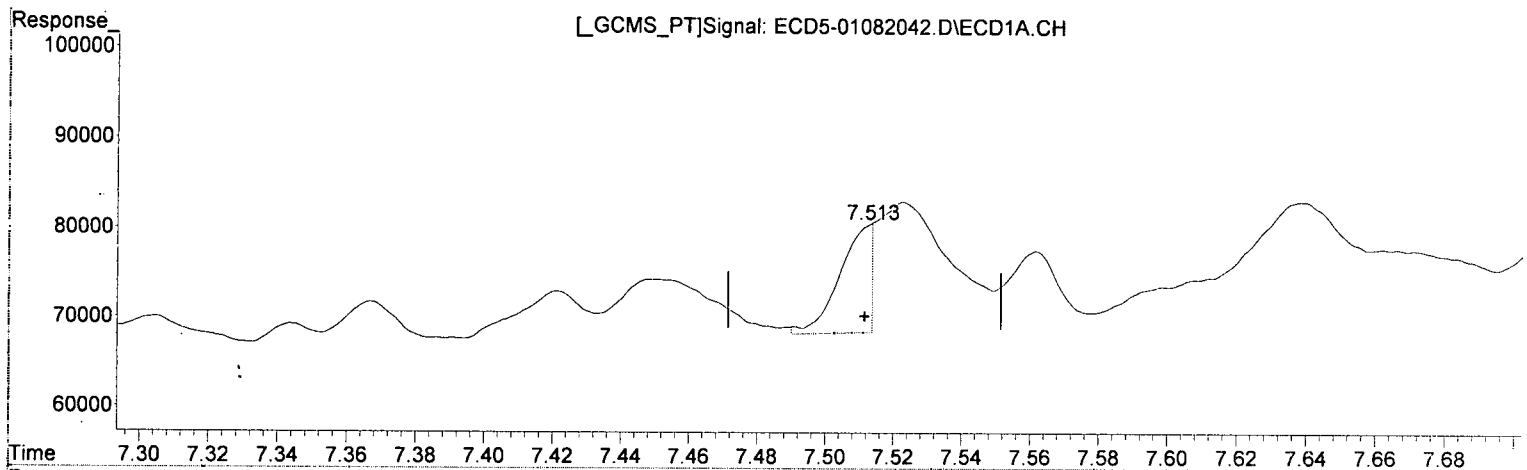
Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:03:52 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:02:40 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(36) Toxaphene (1)
7.513min 11.777 ng/mL (m)
response 12164

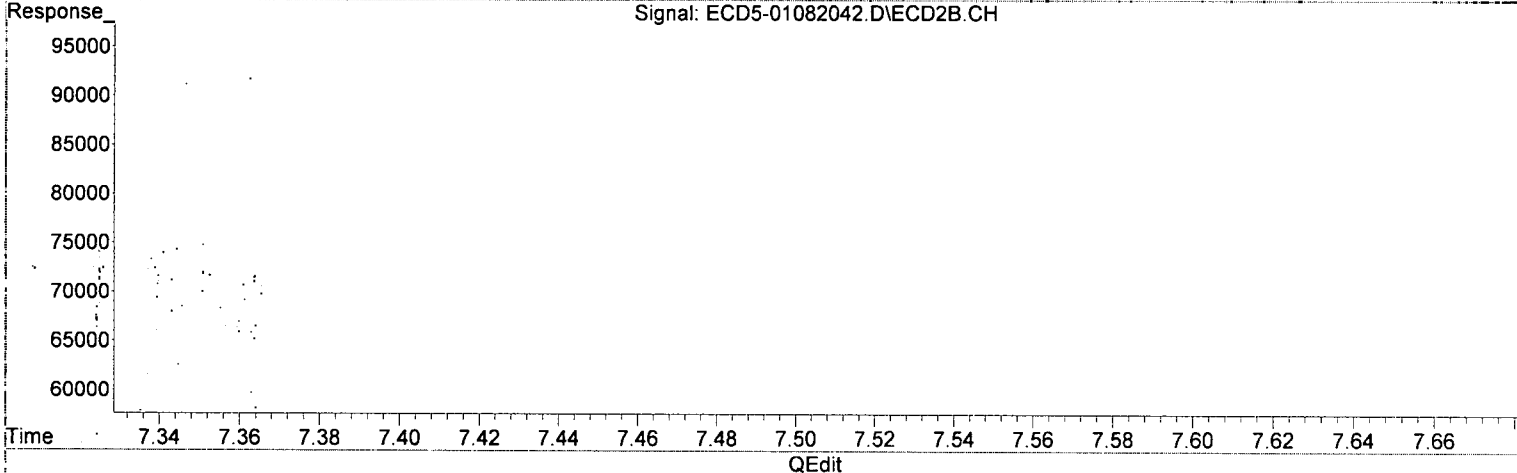
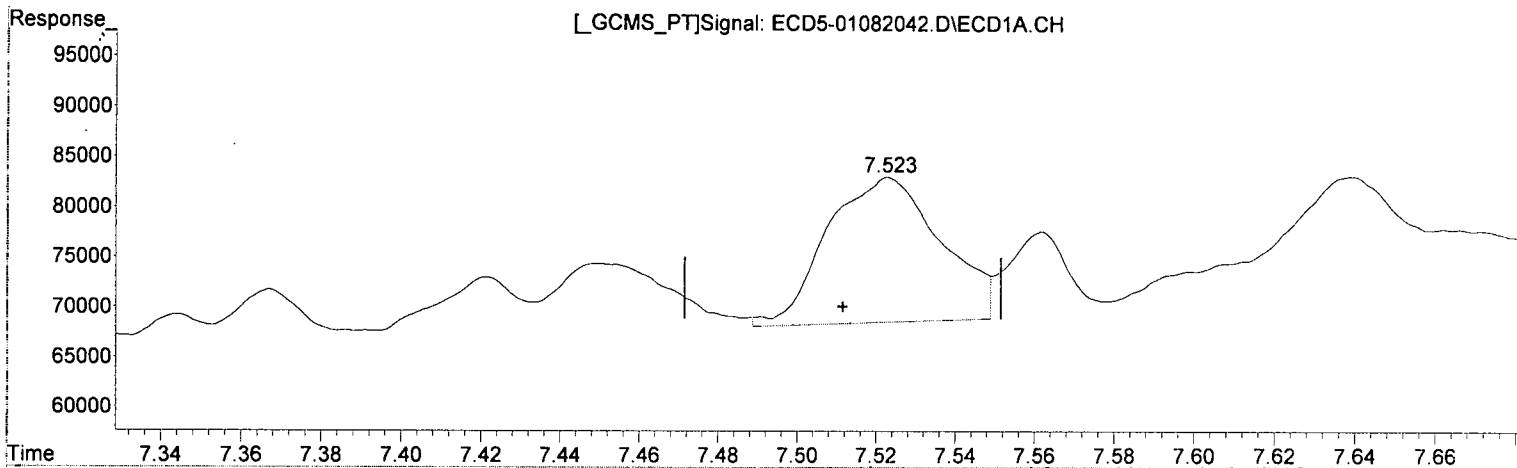
(36) Toxaphene (1) #2
8.619min 12.527 ng/mL
response 29639

MJB
1/9/20

Quantitation Report (Qedit)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:02:40 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



~~(36) Toxaphene (1)
7.523min 14.554 ng/mL
response 14451~~

*MJB
1/9/20*

(36) Toxaphene (1) #2
8.619min 12.527 ng/mL
response 29639

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082042.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 08 Jan 2020 23:41
 Operator : MJB
 Sample : 0A08041-CALQ
 Misc : A20A098, TOX 10 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: Jan 09 11:02:40 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:01:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

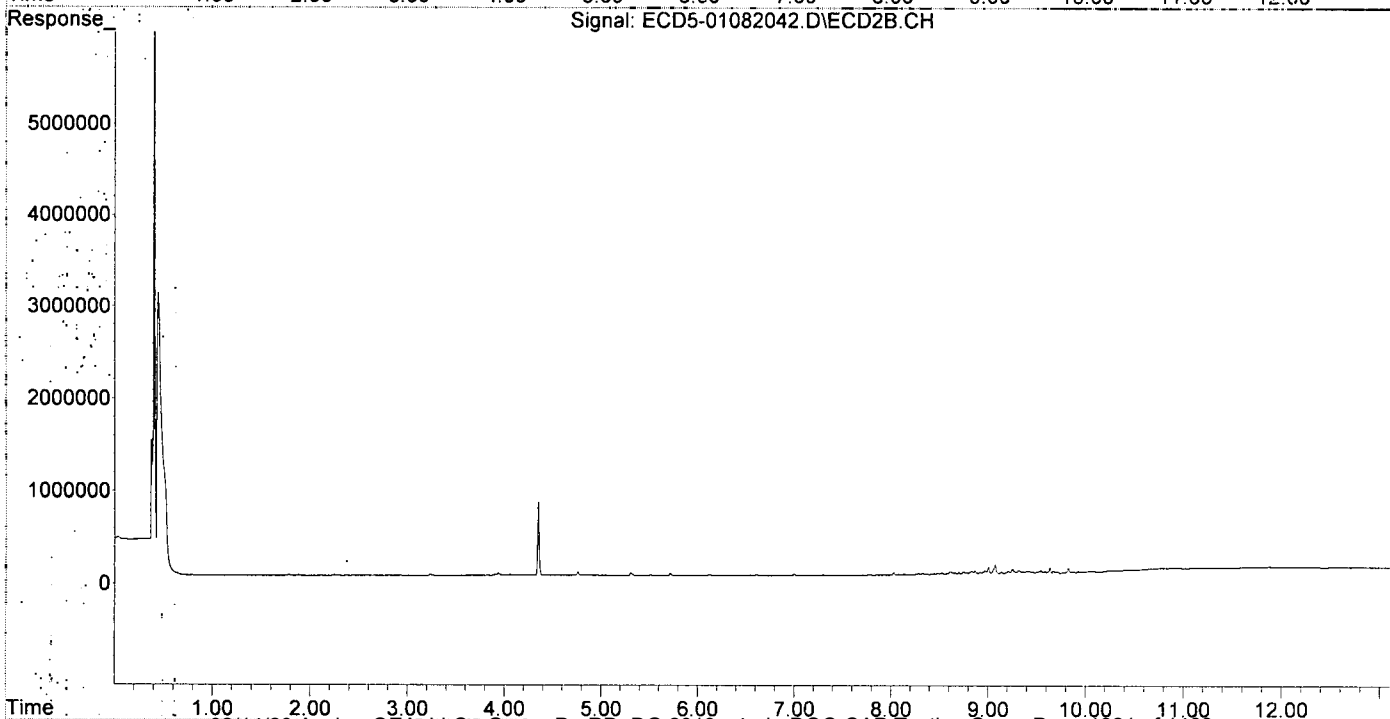
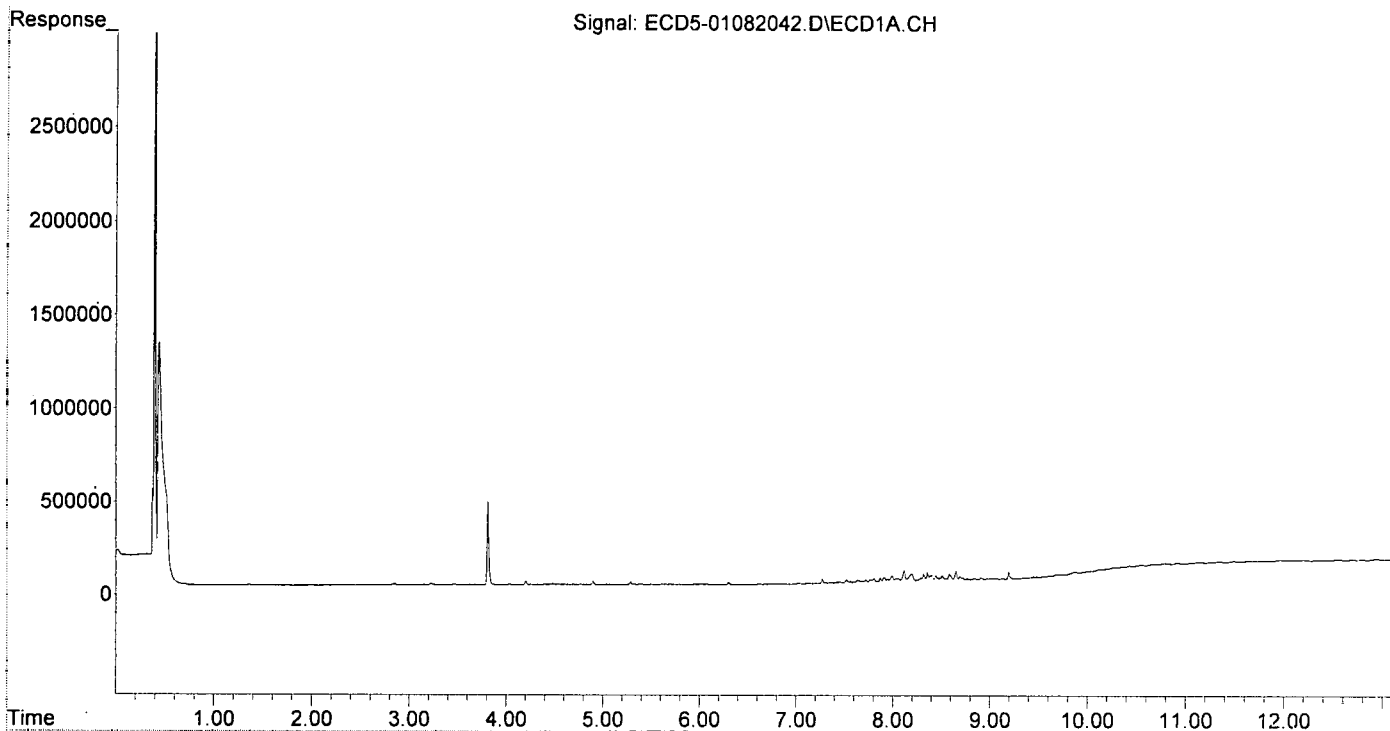
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlordan	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...	7.523	8.619	14451	29639	14.554	12.527
37) Toxaphene...	7.806	8.968	21367	37237	9.752	12.572
38) Toxaphene...	8.118	9.004	58763	70419	15.060	14.531
39) Toxaphene...	8.358	9.072	44260	99104	7.718	5.700
40) Toxaphene...	8.586	9.249	33626	51910	13.272	9.659
41) Toxaphene...	8.654	9.634	47173	57037	13.871	12.438
42) Toxaphene...	3.810	0.000	440668	0	NoCal	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : R:\data\2020-01\0A08041\
Data File : ECD5-01082042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:41
Operator : MJB
Sample : 0A08041-CALQ
Misc : A20A098, TOX 10 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: Jan 09 11:02:40 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path: R:\data\2020-01\0A08041\
 Data File: ECD5-01082043.D
 Signal(s): Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On: 08 Jan 2020 23:58
 Operator: MJB
 Sample: 0A08041-CALR
 Misc: A19J417, TOX 50 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: Jan 09 11:04:40 2020
 Quant Method: R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title: Instrument: DualECD5
 Last Update: Thu Jan 09 11:01:59 2020
 Response via: Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

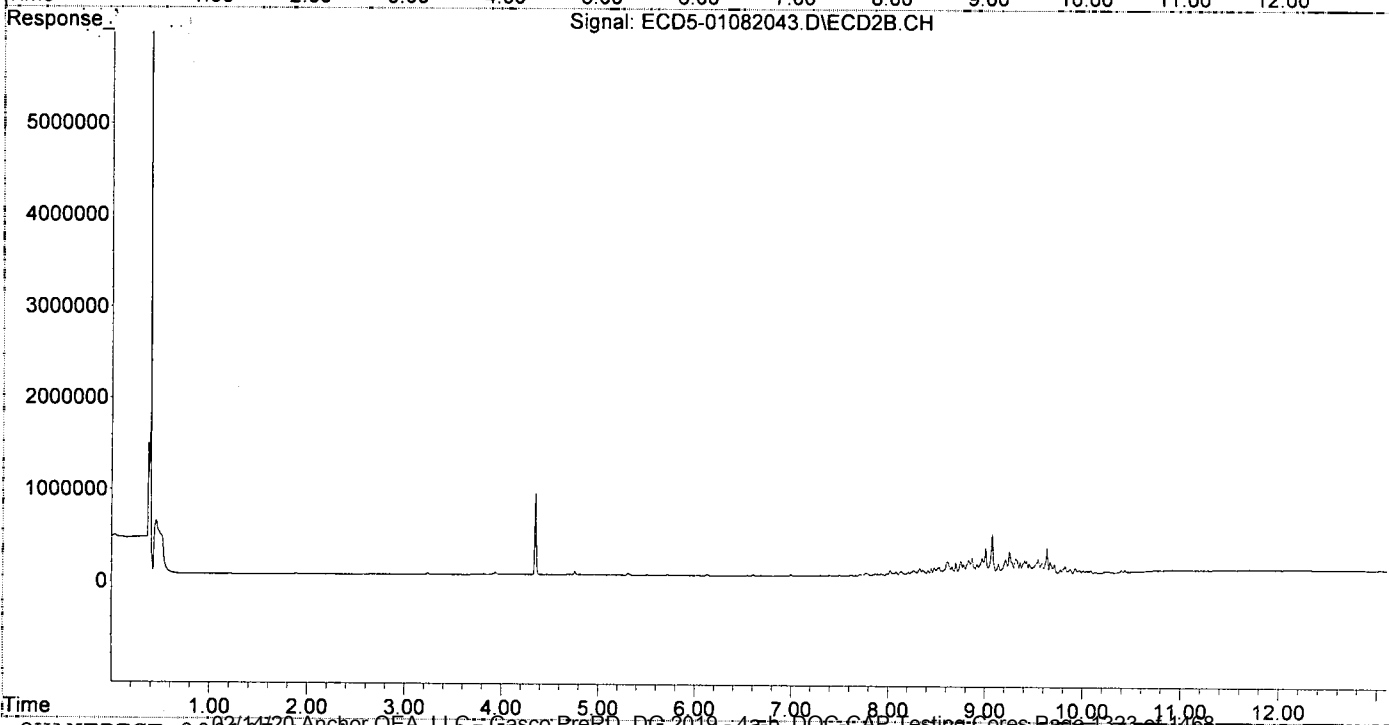
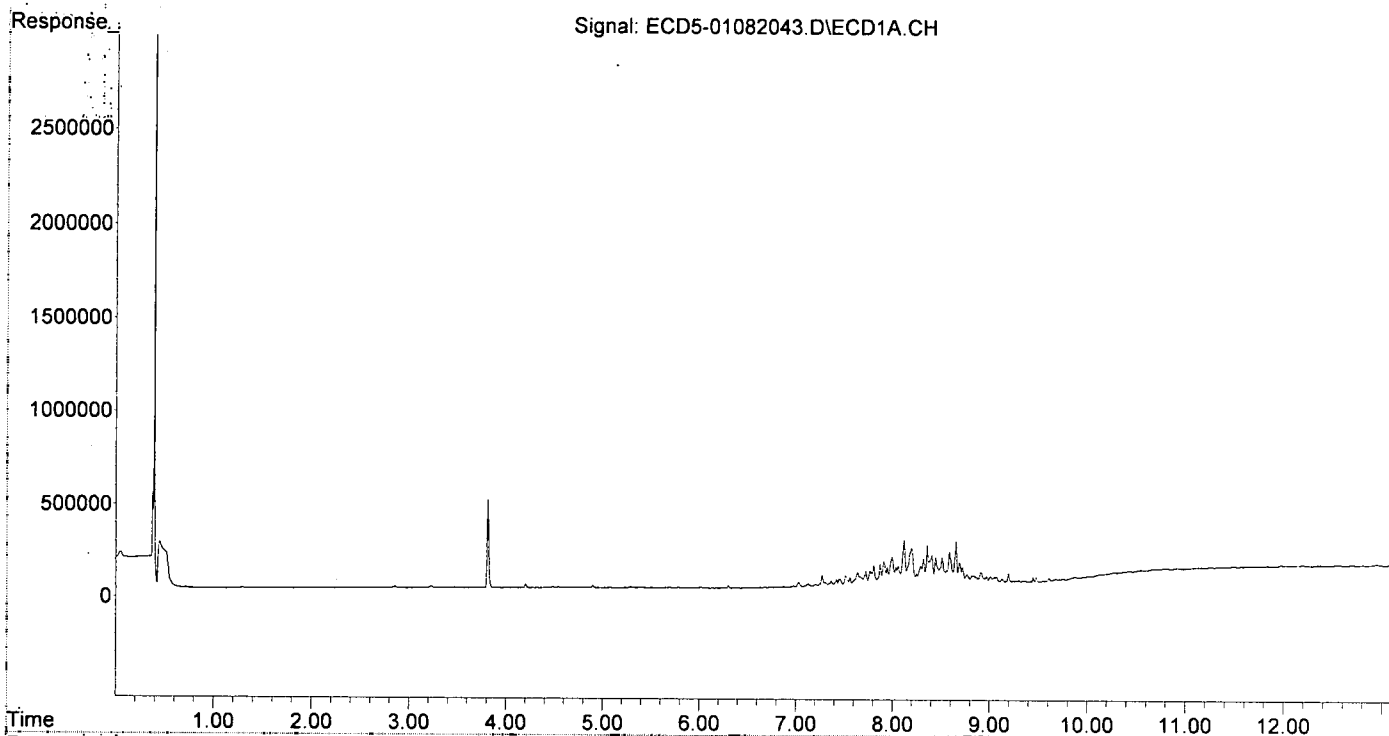
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	7.512	8.618	54826	140732	63.545	59.480
37) Toxaphene...	7.805	8.968	106490	174093	63.115	58.779
38) Toxaphene...	8.117	9.005	237969	285157	70.211	58.843
39) Toxaphene...	8.358	9.073	207485	435032	59.746	54.114
40) Toxaphene...	8.586	9.249	169348	244237	66.841	57.573
41) Toxaphene...	8.654	9.634	225107	279398	66.194	60.928
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 08 Jan 2020 23:58
Operator : MJB
Sample : 0A08041-CALR
Misc : A19J417, TOX 50 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: Jan 09 11:04:40 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualeCD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:15
 Operator : MJB
 Sample : 0A08041-CALS
 Misc : A19J418, TOX 100 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: Jan 09 11:05:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:01:59 2020
 Response via : Initial Calibration
 Integrator : ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

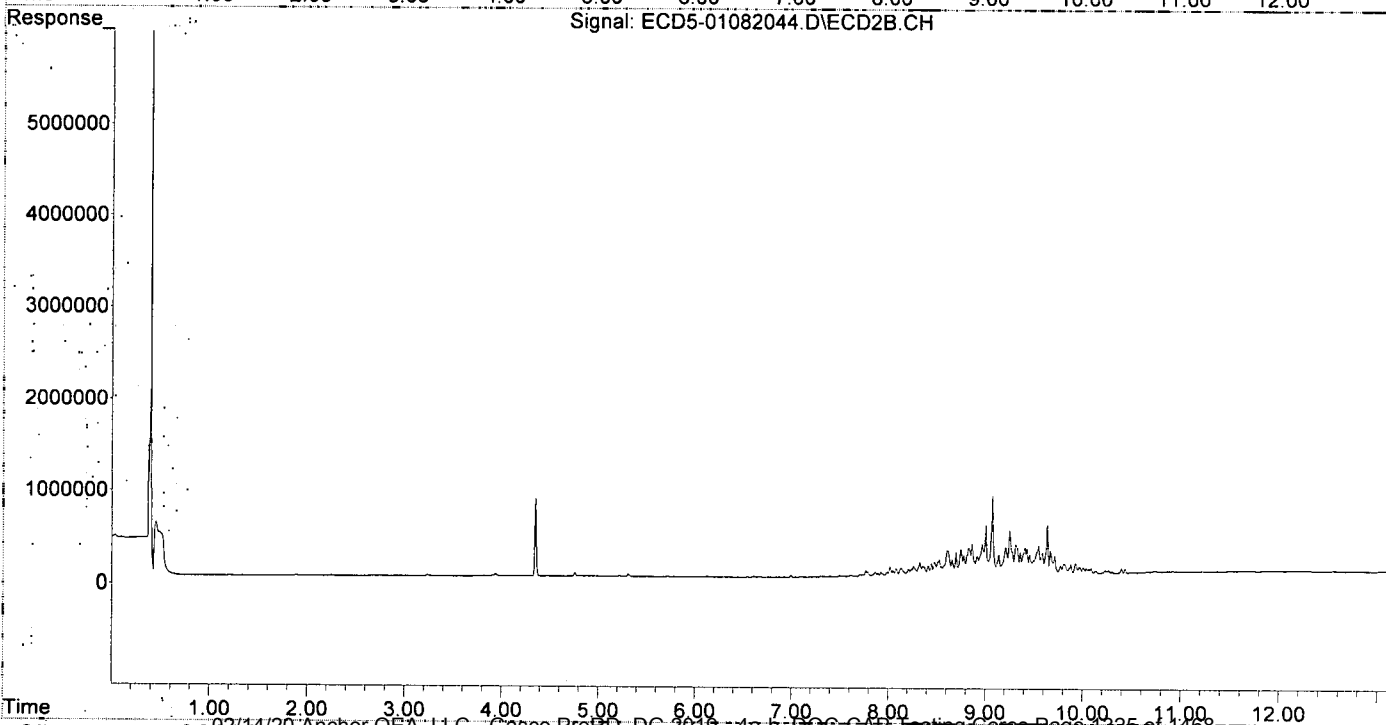
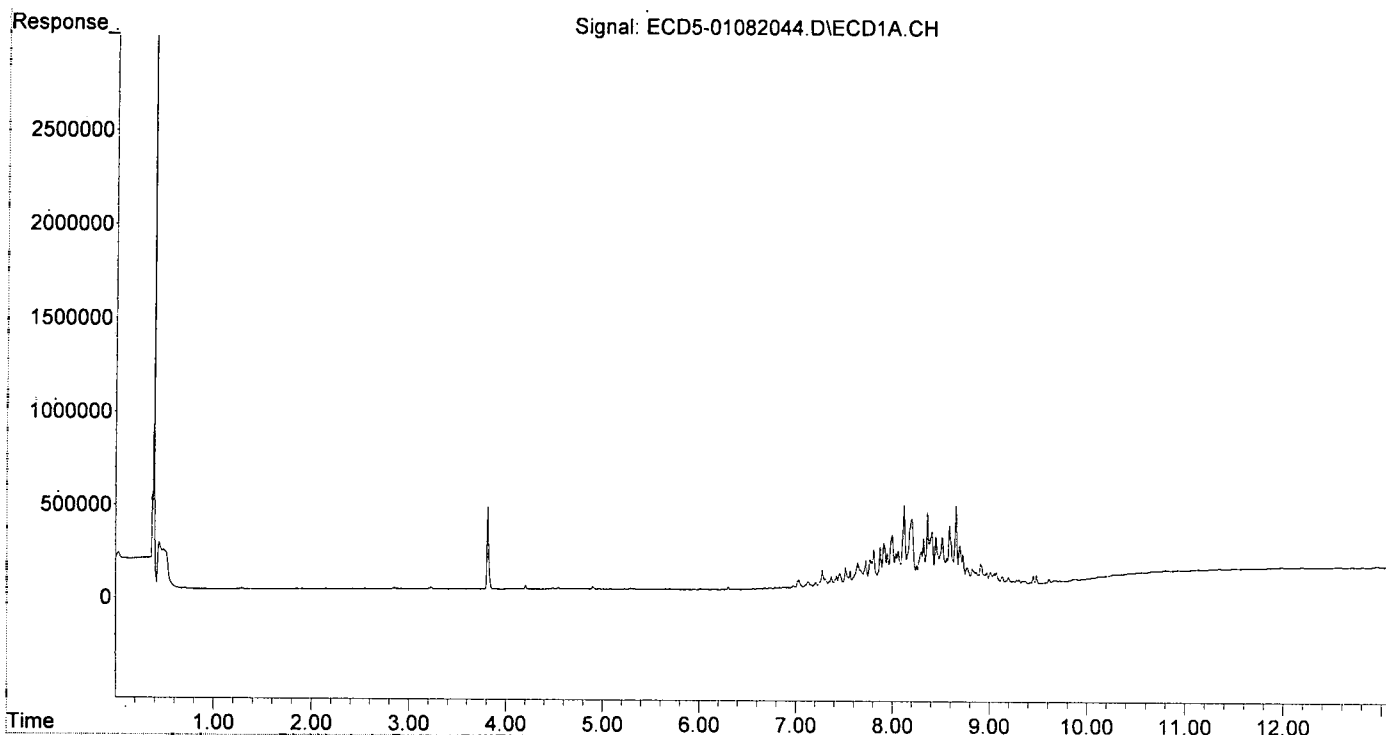
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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)	Oxychlorthane	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...	7.511	8.619	104733	261214	123.977	110.401
37)	Toxaphene...	7.805	8.969	197183	329715	120.048	111.321
38)	Toxaphene...	8.117	9.006	433935	528362	130.122	109.028
39)	Toxaphene...	8.359	9.073	392871	848142	118.511	112.911
40)	Toxaphene...	8.586	9.250	321308	465078	126.818	112.129
41)	Toxaphene...	8.654	9.634	426816	522567	125.507	113.956
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 : R:\data\2020-01\0A08041\
 Data File : ECD5-01082044.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:15
 Operator : MJB
 Sample : 0A08041-CALS
 Misc : A19J418, TOX 100 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: Jan 09 11:05:16 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 11:01:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082045.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:32
 Operator : MJB
 Sample : 0A08041-CALT
 Misc : A19J419, TOX 200 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: Jan 09 11:05:56 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:01:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

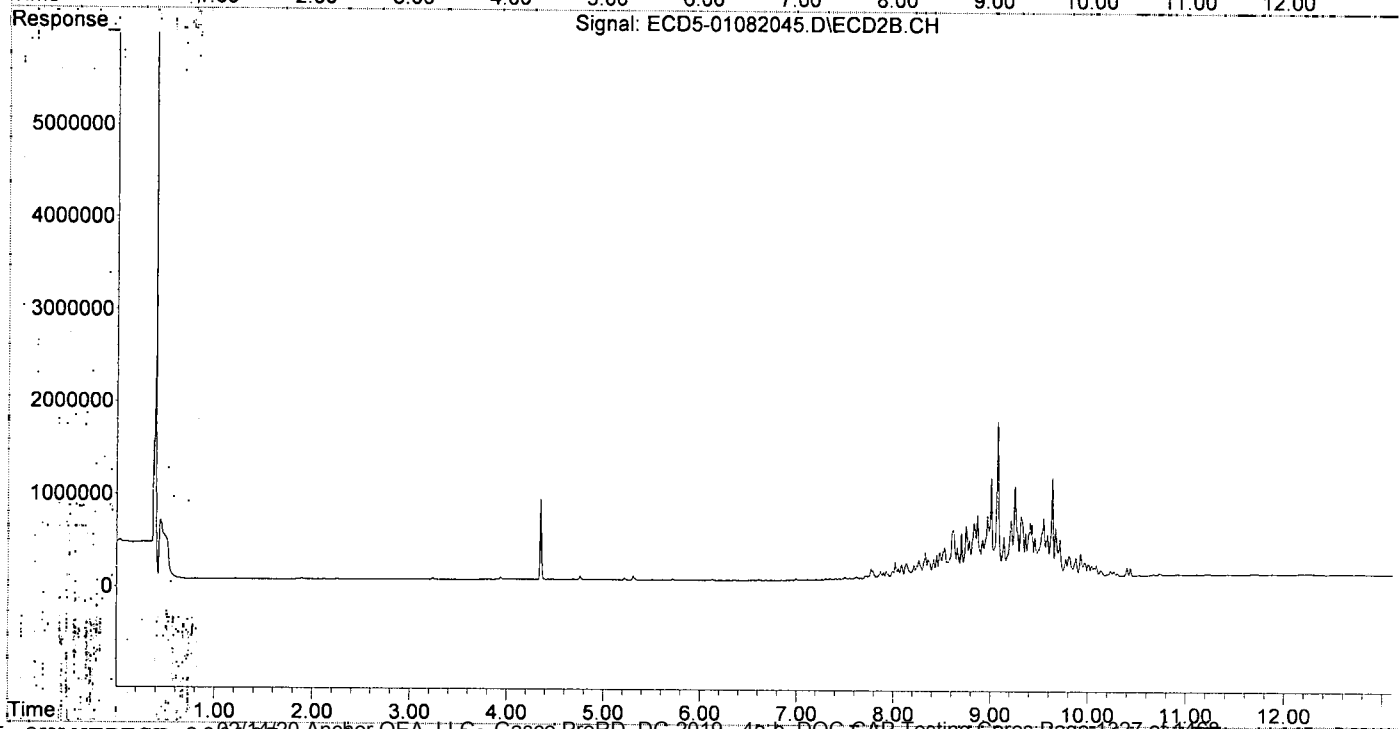
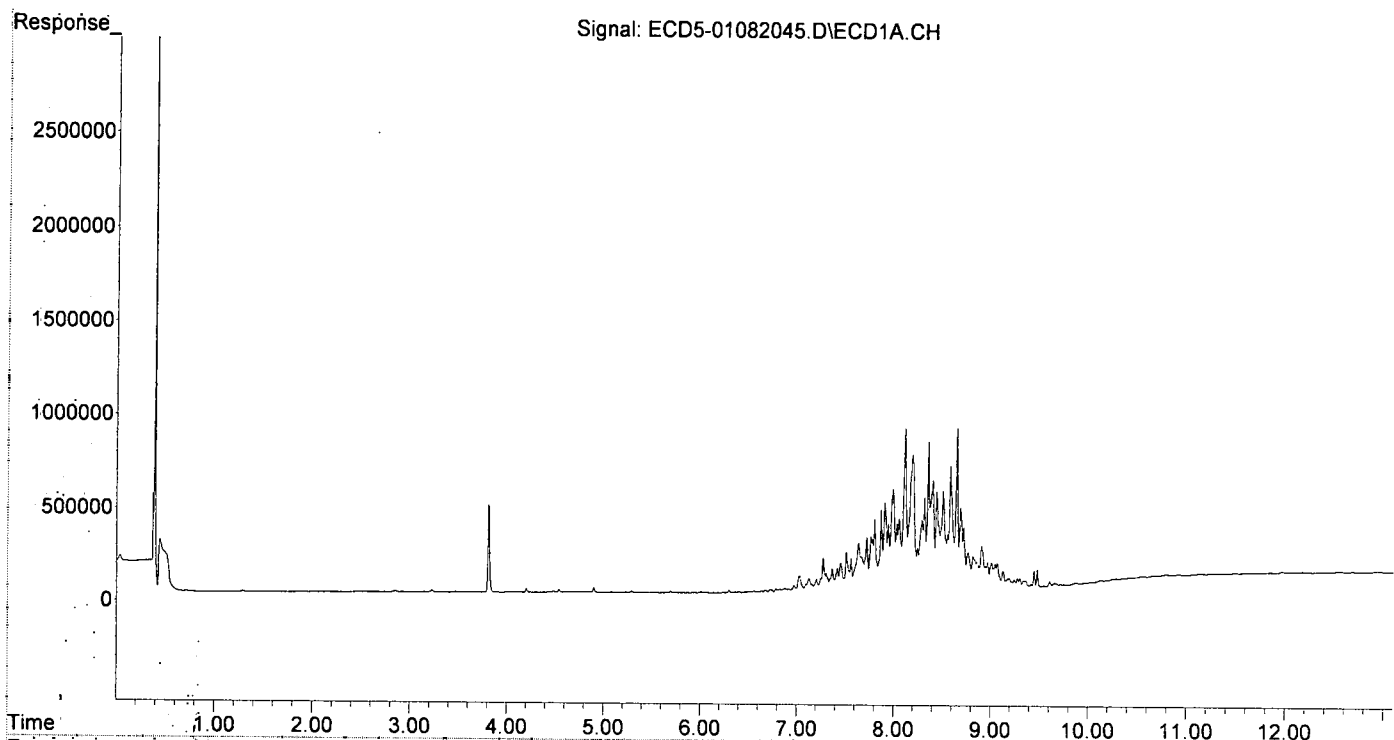
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22)	S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. 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...	7.511	8.619	206853	527041	247.218	222.751
37)	Toxaphene...	7.805	8.968	382017	671993	236.335	226.884
38)	Toxaphene...	8.117	9.006	864754	1076876	260.412	222.215
39)	Toxaphene...	8.358	9.073	791104	1691190	243.603	230.495
40)	Toxaphene...	8.586	9.250	655616	985020	258.768	238.691
41)	Toxaphene...	8.653	9.634	851655	1071997	250.433	233.770
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 0:32
Operator : MJB
Sample : 0A08041-CALT
Misc : A19J419, TOX 200 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: Jan 09 11:05:56 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082046.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 0:50
 Operator : MJB
 Sample : 0A08041-CALU
 Misc : A19J420, TOX 500 ppb
 ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1
 Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:07:37 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 QLast Update : Thu Jan 09 10:55:56 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

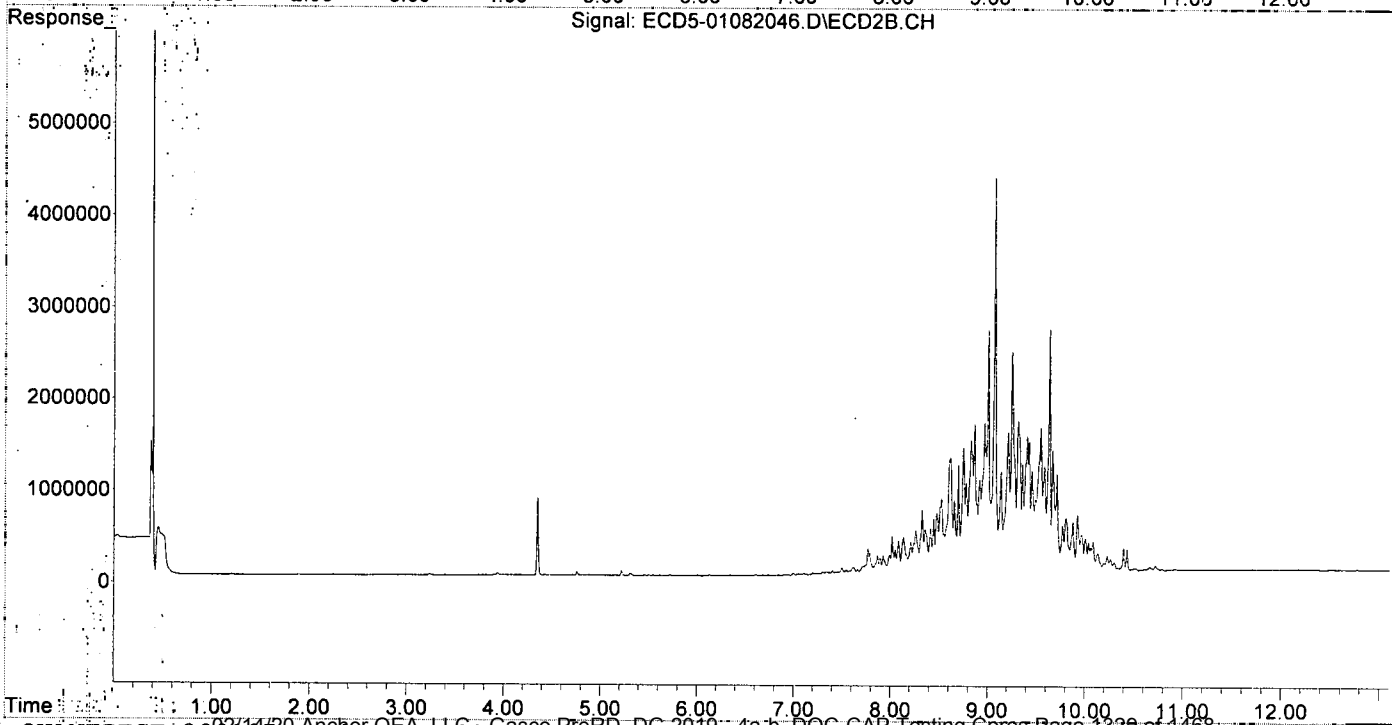
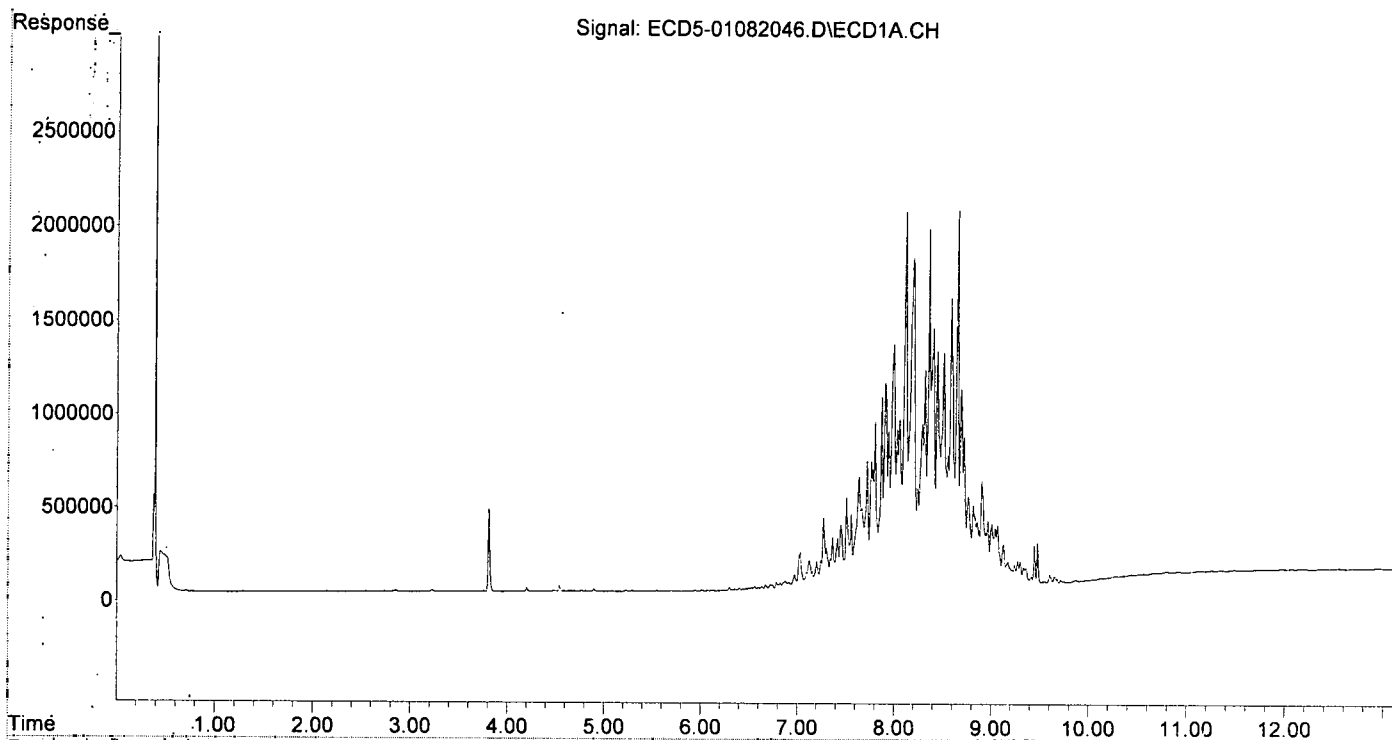
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorthane	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...	7.511	8.619	479175	1253802	573.165	529.913
37) Toxaphene...	7.805	8.969	883414	1627963	553.541	549.647
38) Toxaphene...	8.117	9.006	1995985	2635386	593.751	543.817
39) Toxaphene...	8.358	9.072	1900476	4280691	584.252	573.694
40) Toxaphene...	8.586	9.249	1539706	2386520	607.714	567.711
41) Toxaphene...	8.653	9.634	1981771	2631287	582.748	573.804
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 0:50
Operator : MJB
Sample : 0A08041-CALU
Misc : A19J420, TOX 500 ppb
ALS Vial : 40 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:07:37 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 10:55:56 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082047.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 1:07
 Operator : MJB
 Sample : 0A08041-CALV
 Misc : A19J421, TOX 1000 ppb
 ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1
 Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:06:41 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:01:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJP
1/9/20

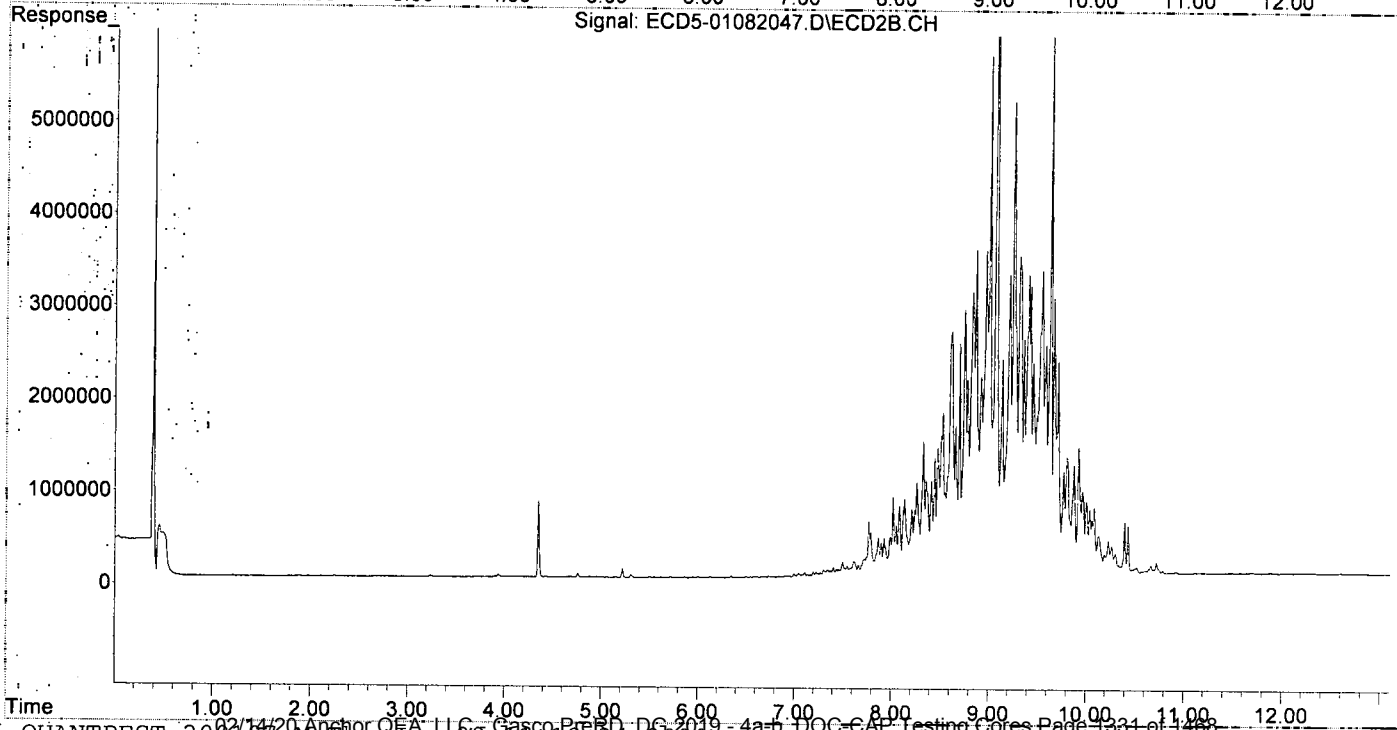
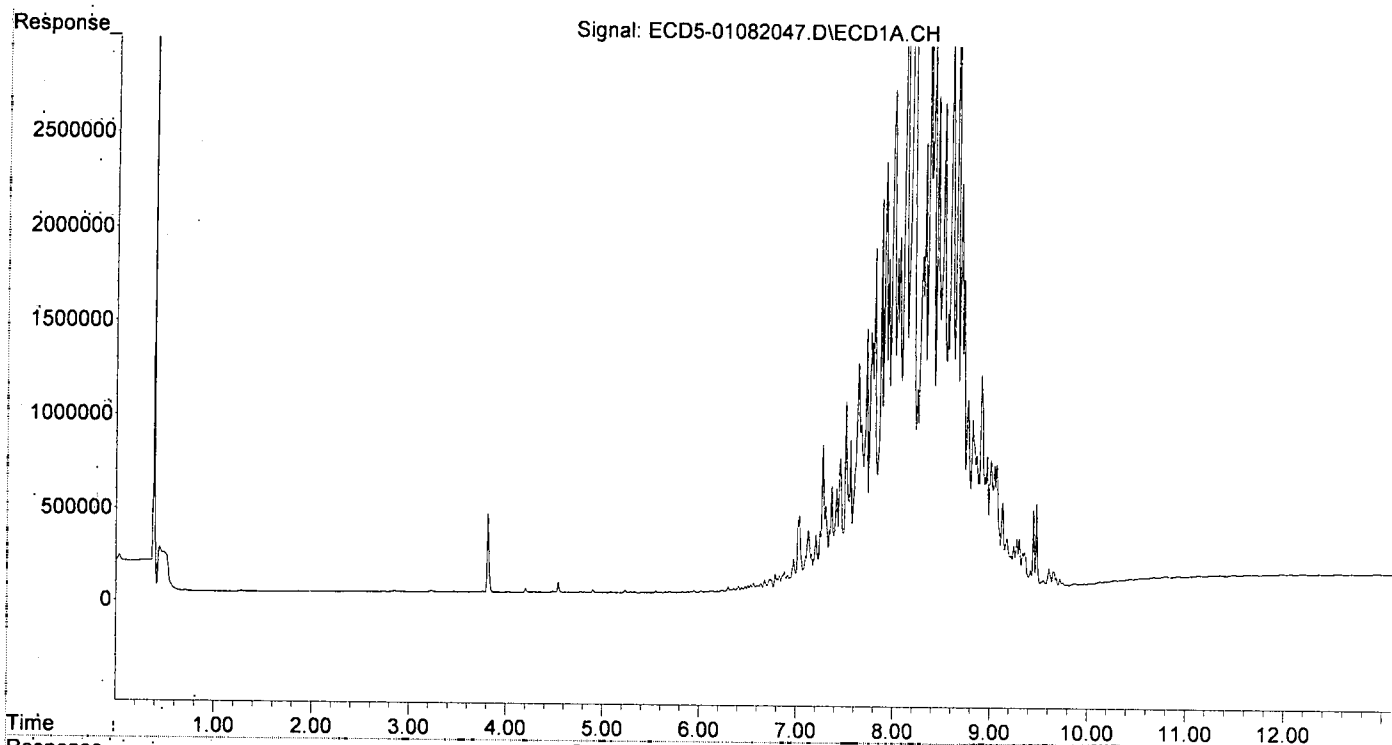
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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) Oxychlorthane	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...	7.511	8.618	998436	2637347	1184.210	1114.662
37) Toxaphene...	7.804	8.968	1834370	3517411	1162.389	1187.580
38) Toxaphene...	8.116	9.006	4209954	5617496	1213.484	1159.182
39) Toxaphene...	8.358	9.073	3974783	9024517	1193.317	1145.858
40) Toxaphene...	8.586	9.249	3276318	5120001	1293.146	1166.121
41) Toxaphene...	8.652	9.634	4202272	5832985	1235.695	1271.998
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 1:07
Operator : MJB
Sample : 0A08041-CALV
Misc : A19J421, TOX 1000 ppb
ALS Vial : 41 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:06:41 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Data Path : R:\data\2020-01\0A08041\
 Data File : ECD5-01082048.D
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
 Acq On : 09 Jan 2020 1:24
 Operator : MJB
 Sample : 0A08041-CALW
 Misc : A19J416, TOX 2000 ppb
 ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
 Integration File signal 2: PEST2.e
 Quant Time: Jan 09 11:07:20 2020
 Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
 Quant Title : Instrument: DualECD5
 Last Update : Thu Jan 09 11:01:59 2020
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

MJB
1/9/20

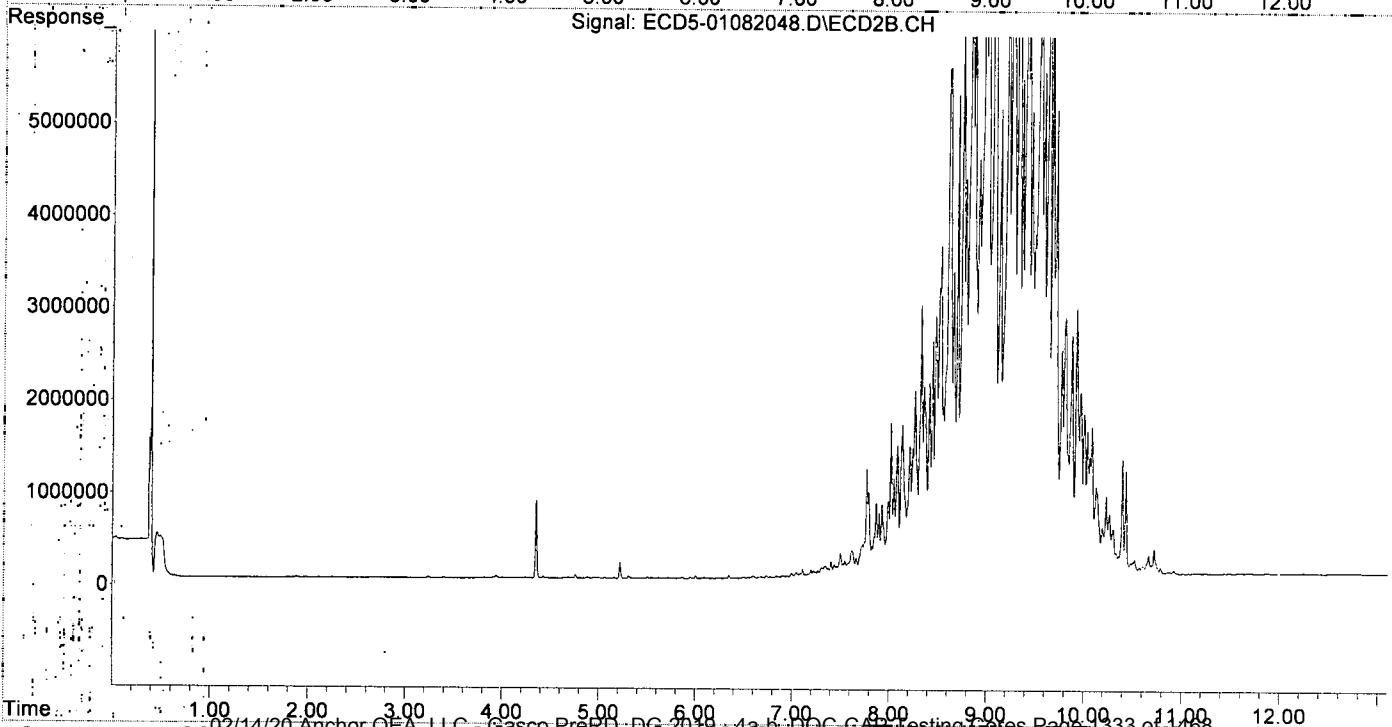
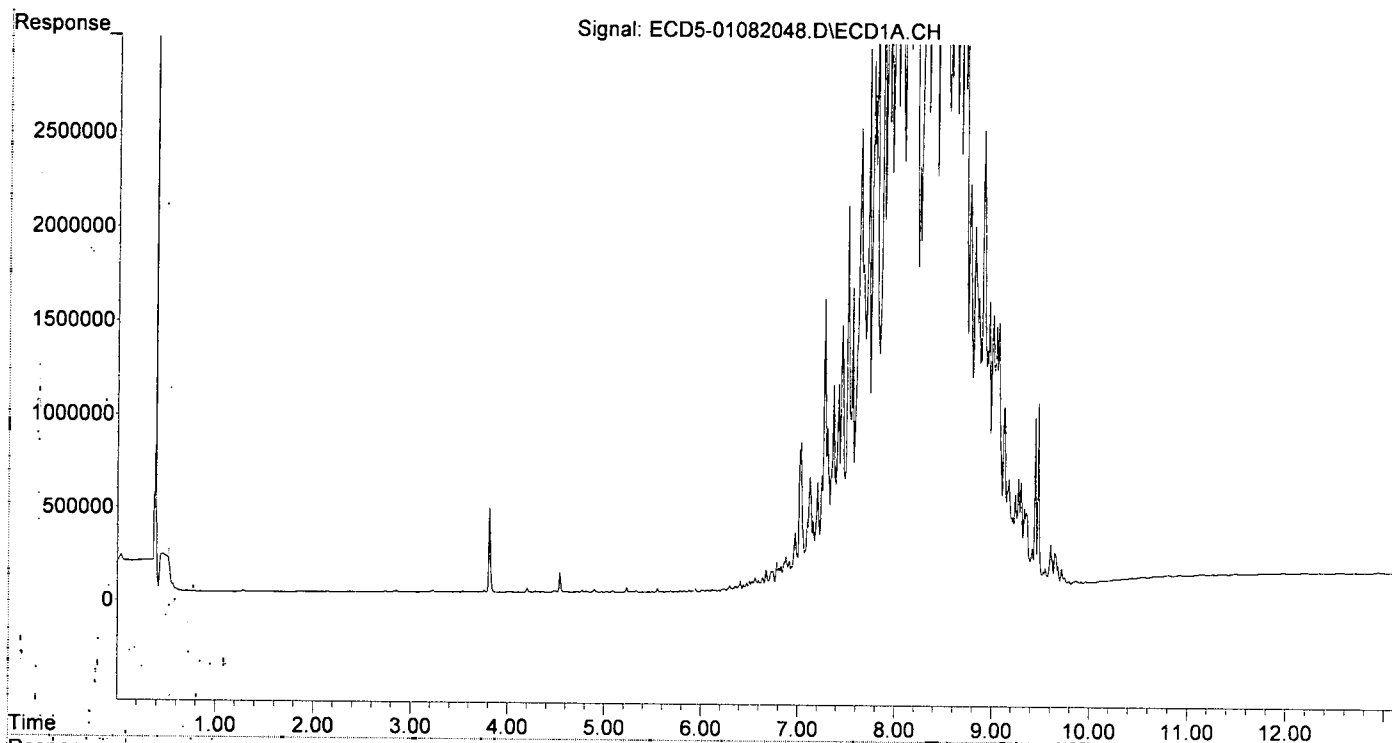
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
System Monitoring Compounds						
1) S TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
Target Compounds						
2) a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3) g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4) b-BHC	0.000	0.000	0	0	N.D. d	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...	7.509	8.617	2042518	5518631	2374.324	2332.423
37) Toxaphene...	7.803	8.967	3726169	7483834	2403.406	2526.758
38) Toxaphene...	8.115	9.005	8745207	11973110	2374.415	2470.675
39) Toxaphene...	8.356	9.072	8089085	20090728	2312.250	2288.127
40) Toxaphene...	8.585	9.249	6836043	11218014	2698.152	2347.982
41) Toxaphene...	8.651	9.633	8969660	12652600	2637.565	2759.150
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 : R:\data\2020-01\0A08041\
Data File : ECD5-01082048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 09 Jan 2020 1:24
Operator : MJB
Sample : 0A08041-CALW
Misc : A19J416, TOX 2000 ppb
ALS Vial : 42 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 09 11:07:20 2020
Quant Method : R:\methods\ECD5_QUANTPEST_200107.M
Quant Title : Instrument: DualECD5
QLast Update : Thu Jan 09 11:01:59 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 9121369
Sequence 9L27023 (A9J0861-02,03)



Apex Laboratories
PREPARATION BENCH SHEET

JAN 02 2020

BATCH #: 9121369 (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
	9121369-BLK1	QC	12/27/19 12:29	11	5				100					
	9121369-BS1	QC	12/27/19 12:29	10	5	A19H078		100	100					
	A9J0861-02	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.28	5				100	PDI-034SC-A-02-03-191022				
	A9J0861-03	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.05	5				100	PDI-034SC-A-03-04-191022				
	A9J0903-05	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.15	5				100	PDI-057SC-A-04-05-191023				
	A9J0903-06	B 8270D LL PAH Only (Scan)	12/27/19 12:29	10.26	5				100	PDI-057SC-A-05-06-191023				
	A9J0903-24	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.57	5				100	PDI-062SC-A-06-07-191023				
	A9J0903-25	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.19	5				100	PDI-062SC-A-07-08-191023	MS/MSD			
	9121369-MS1	QC	12/27/19 12:29	10.2	5	A19H078	A9J0903-25	100	100					
	9121369-MSD1	QC	12/27/19 12:29	10.21	5	A19H078	A9J0903-25	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	A19H078	02/02/20	LVI PAH Spike @2000ng/ml	A19L265	06/07/20	8270D LL PAH Only Surr. (5ppm)
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19K010	10/29/25	Sodium Sulfate Lot # 188777						

Method 3546 digestion time and temperture achieved.

Initial: _____

Witness: _____

Prepared By: _____ Date _____

Reviewed By: AMS Date 12/30/19



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121369 (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
1	9121369-BLK1	QC	12/27/19 12:29	10.11	5				100					
2	9121369-BS1	QC	12/27/19 12:29	10	5	A19H078		100	100					
3	A9J0861-02	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.28	5				100	PDI-034SC-A-02-03-191022	sand; odor	S		
4	A9J0861-03	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.05	5				100	PDI-034SC-A-03-04-191022	sand			
5	A9J0903-05	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.15	5				100	PDI-057SC-A-04-05-191023	soil, odor	S		
6	A9J0903-06	B 8270D LL PAH Only (Scan)	12/27/19 12:29	10.26	5				100	PDI-057SC-A-05-06-191023	mud			
7	A9J0903-24	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.57	5				100	PDI-062SC-A-06-07-191023	mud	S		
8	A9J0903-25	A 8270D LL PAH Only (Scan)	12/27/19 12:29	10.19	5				100	PDI-062SC-A-07-08-191023	MS/MSD	S		
9	9121369-MS1	QC	12/27/19 12:29	10.20	5	A19H078	A9J0903-25	100	100		mud	S		
10	9121369-MSD1	QC	12/27/19 12:29	10.21	5	A19H078	A9J0903-25	100	100		mud	S		

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	A19H078	02/02/20	LVI PAH Spike @2000ng/ml	A19L265	06/07/20	8270D LL PAH Only Surr. (5ppm)
A18K311	12/31/20	Glass Wool						
A19I263	03/18/20	DCM CHEM PROD. 194934						
A19K010	10/29/25	Sodium Sulfate Lot # 188777						

S - stained TurboVap

Method 3546 digestion time and temperture achieved.

Initial: JAG

Witness: JAG 12/27/19

Prepared By: JAG Date: 12/27/19

Reviewed By: oas Date: 12/27/19



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **9L27023**

Instrument: **SV-GCMS14**

Date: **12/27/19 09:17**

Calibration: **A9I1001**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	9L27023-TUN1	Soil	QC	QC			A19K048	A19L181
2	9L27023-CCV1	Soil	QC	QC			A19K048	A19K012
3	9L27023-CCB1	Soil	QC	QC			A19K048	
4	9L27023-IBL1	Soil	QC	QC			A19K048	
5	9121369-BLK1	Sediment	QC	QC		9121369	A19K048	
6	9121369-BS1	Sediment	QC	QC		9121369	A19K048	
7	A9J0861-02	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	01/02/20	9121369	A19K048	
8	A9J0861-03	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	01/02/20	9121369	A19K048	
9	A9J0903-05	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	01/02/20	9121369	A19K048	
10	A9J0903-06	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	01/02/20	9121369	A19K048	
11	A9J0903-24	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	01/02/20	9121369	A19K048	
12	A9J0903-25	Sediment	8270D LL PAH Only (Scan)	Anchor QEA, LLC	01/02/20	9121369	A19K048	
13	9121369-MS1	Sediment	QC	QC		9121369	A19K048	
14	9121369-MSD1	Sediment	QC	QC		9121369	A19K048	
15	9L27023-IBL2	Soil	QC	QC			A19K048	

Data Entered By: AMS 12/27/19

Comments:

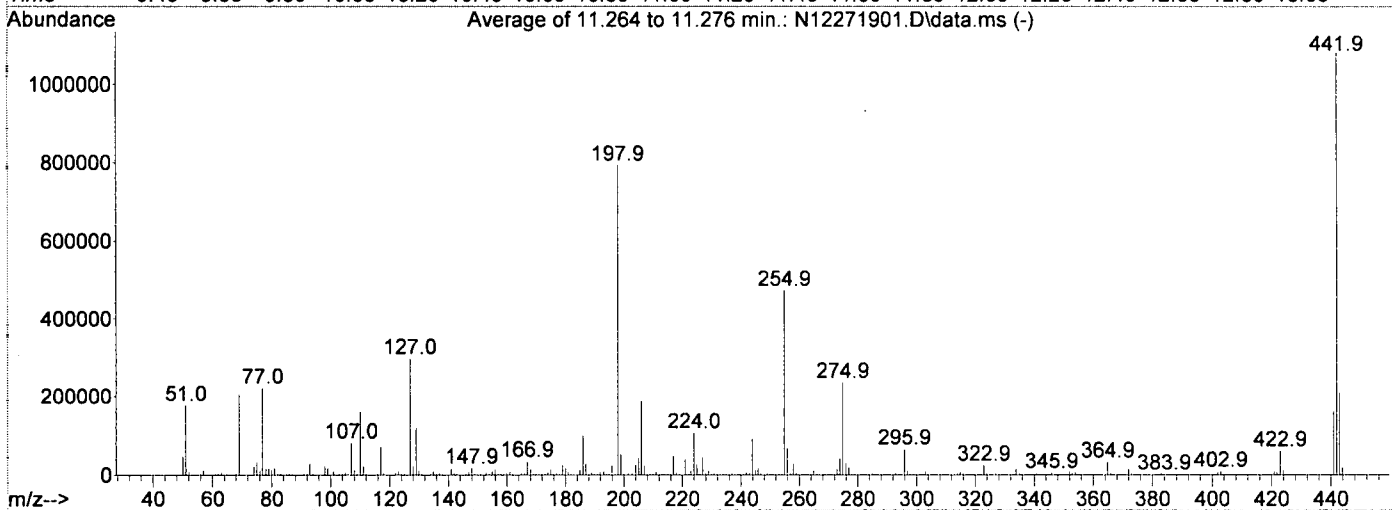
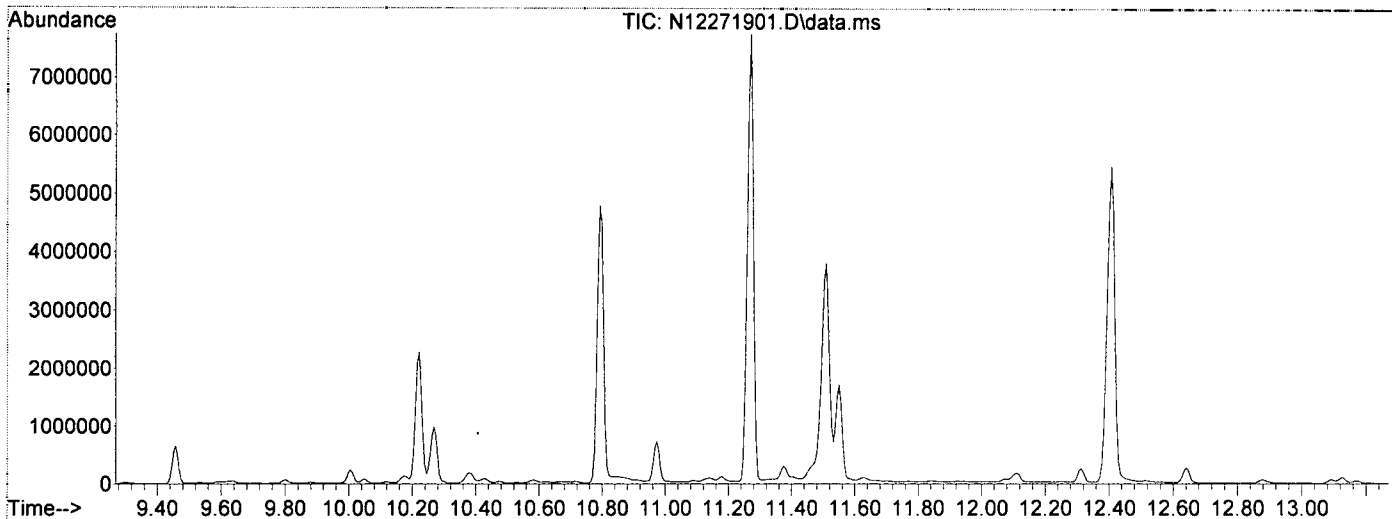
Data Reviewed By: gnd 12/30/19

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271901.D
 Acq On : 27 Dec 2019 09:24 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-TUN1
 Misc : 1x, A19L181 DFTPP
 ALS Vial : 1 Sample Multiplier: 1

AMS
12/30/19

Integration File: rteint.p

Method : U:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Wed Nov 06 13:10:03 2019



AutoFind: Scans 1196, 1197, 1198; Background Corrected with Scan 1190

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.7	3429	PASS
69	69	100	100	100.0	204671	PASS
70	69	0.00	2	0.5	968	PASS
197	198	0.00	2	0.2	1371	PASS
198	198	100	100	100.0	792741	PASS
199	198	5	9	6.8	53863	PASS
365	198	1	100	4.1	32536	PASS
441	443	0.01	150	77.4	161963	PASS
442	198	0.10	200	136.2	1079808	PASS
443	442	15	24	19.4	209387	PASS

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271901.D
 Acq On : 27 Dec 2019 09:24 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-TUN1
 Misc : 1x, A19L181 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Dec 30 08:39:26 2019
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Nov 06 13:10:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.490	150	133447	2.00	ug/mL	-0.03
2) Naphthalene-d8	7.691	136	359340	2.00	ug/mL	-0.04
3) Acenaphthene-d10	9.457	162	192786	2.00	ug/mL	-0.04
5) Phenanthrene-d10	10.972	188	372440	2.00	ug/mL	-0.04
11) Chrysene-d12	14.580	240	320161	2.00	ug/mL	-0.06
12) Perylene-d12	16.632	264	68	2.00	ug/mL	#-0.09
13) Dibenz(a,h)anthracene-...	17.874	292	274663	2.00	ug/mL	#-0.05

Target Compounds						Qvalue
4) Pentachlorophenol	10.792	266	938140	51.53	ug/mL	83
6) DFTPP	11.270	442	1642011	54.61	ug/mL	75
7) Benzidine	12.406	184	3942929	29.76	ug/mL	97
8) 4,4-DDE	12.639	TIC	370498	No Calib		
9) 4,4-DDD	13.123	TIC	146690	No Calib		
10) 4,4-DDT	13.654	TIC	13456744	35.23	ug/mL	95

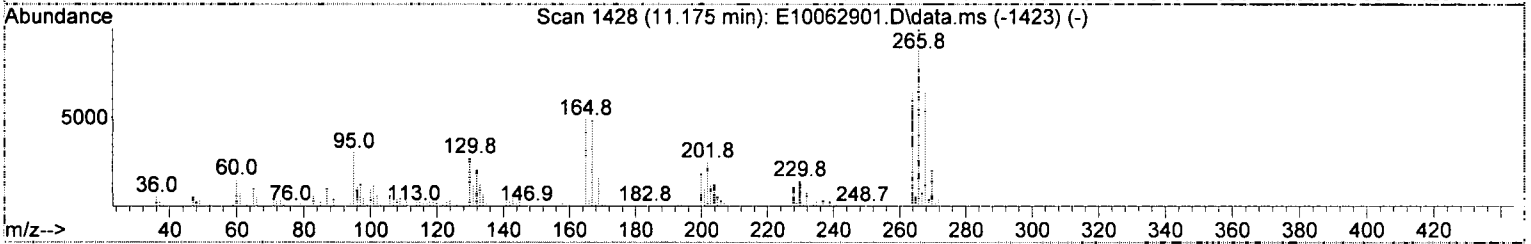
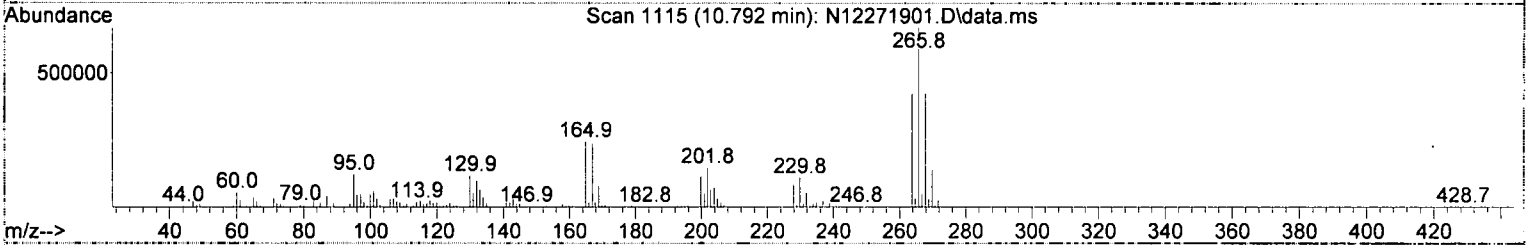
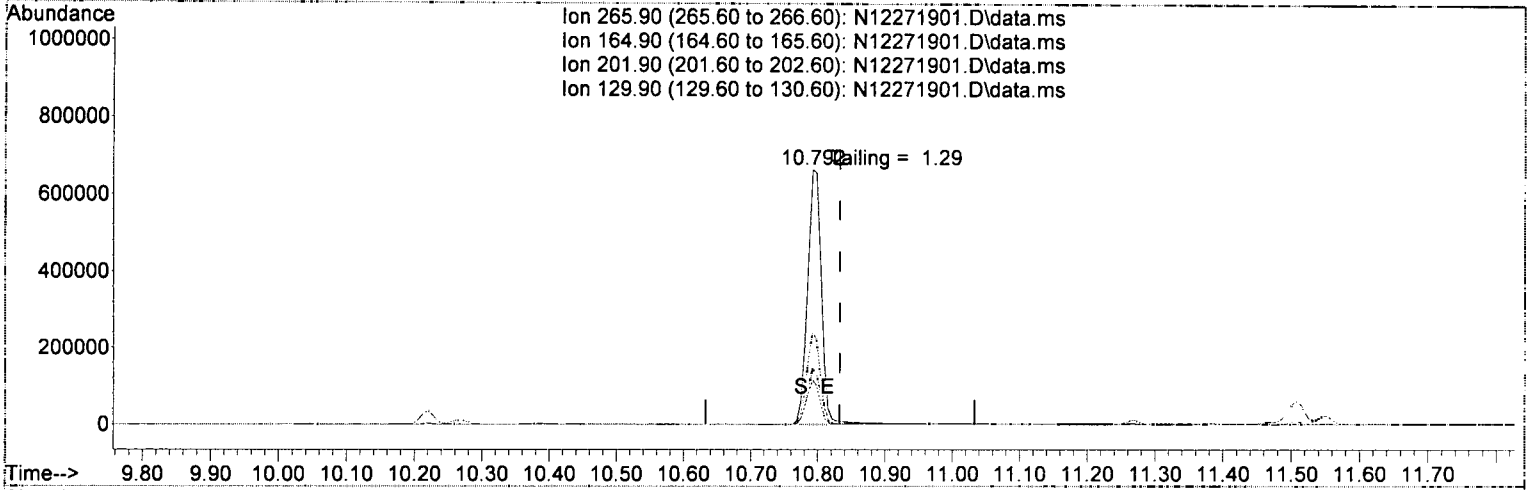
(#) = qualifier out of range (m) = manual integration (+) = signals summed

J

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271901.D
 Acq On : 27 Dec 2019 09:24 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-TUN1
 Misc : 1x, A19L181 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Dec 30 08:39:26 2019
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Nov 06 13:10:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271901.D\data.ms

(4) Pentachlorophenol

10.792min (-0.041) 51.53 ug/mL

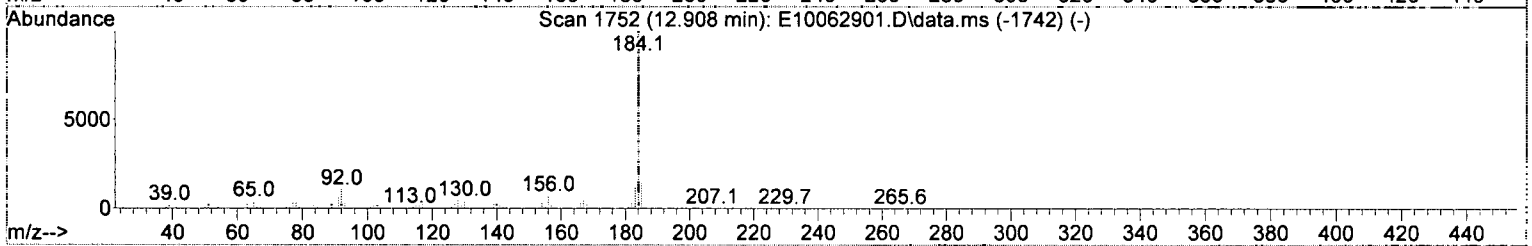
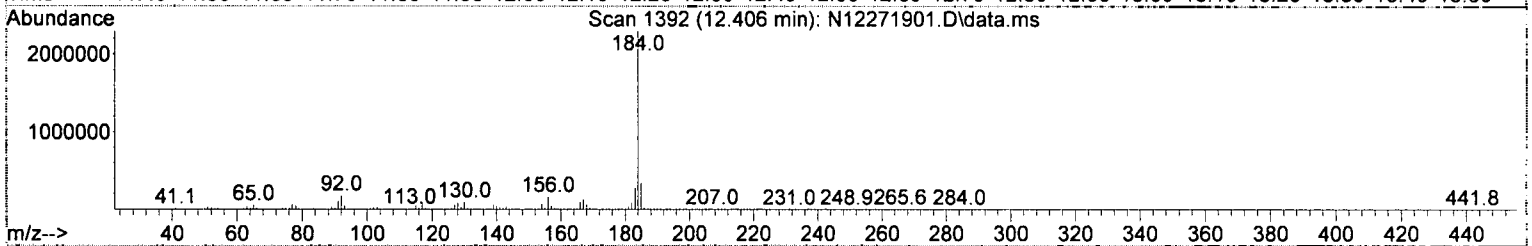
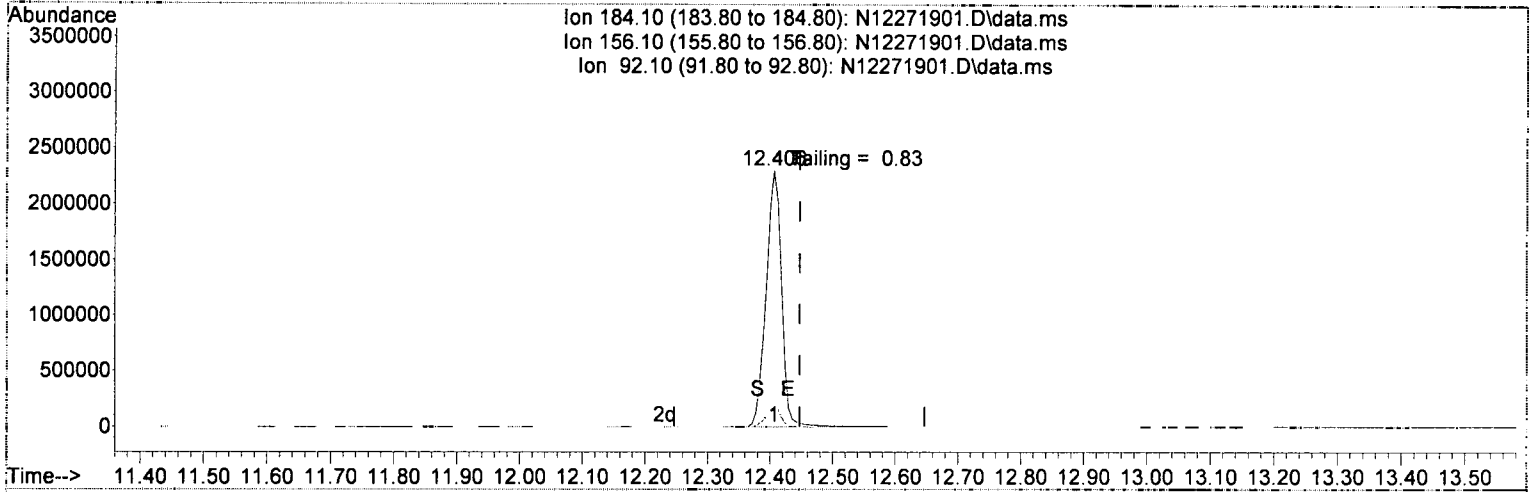
response 938140

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	36.44
201.90	25.80	21.58
129.90	27.30	17.37

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271901.D
 Acq On : 27 Dec 2019 09:24 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-TUN1
 Misc : 1x, A19L181 DFTPP
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Dec 30 08:39:26 2019
 Quant Method : U:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Wed Nov 06 13:10:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271901.D\data.ms

(7) Benzidine

12.406min (-0.041) 29.76 ug/mL

response 3942929

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.01
92.10	8.20	7.73
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:

9L27023-TUN

SV-GCMS

14 12/30/19

First Column Area Counts

Percent Breakdown

DDE 370498

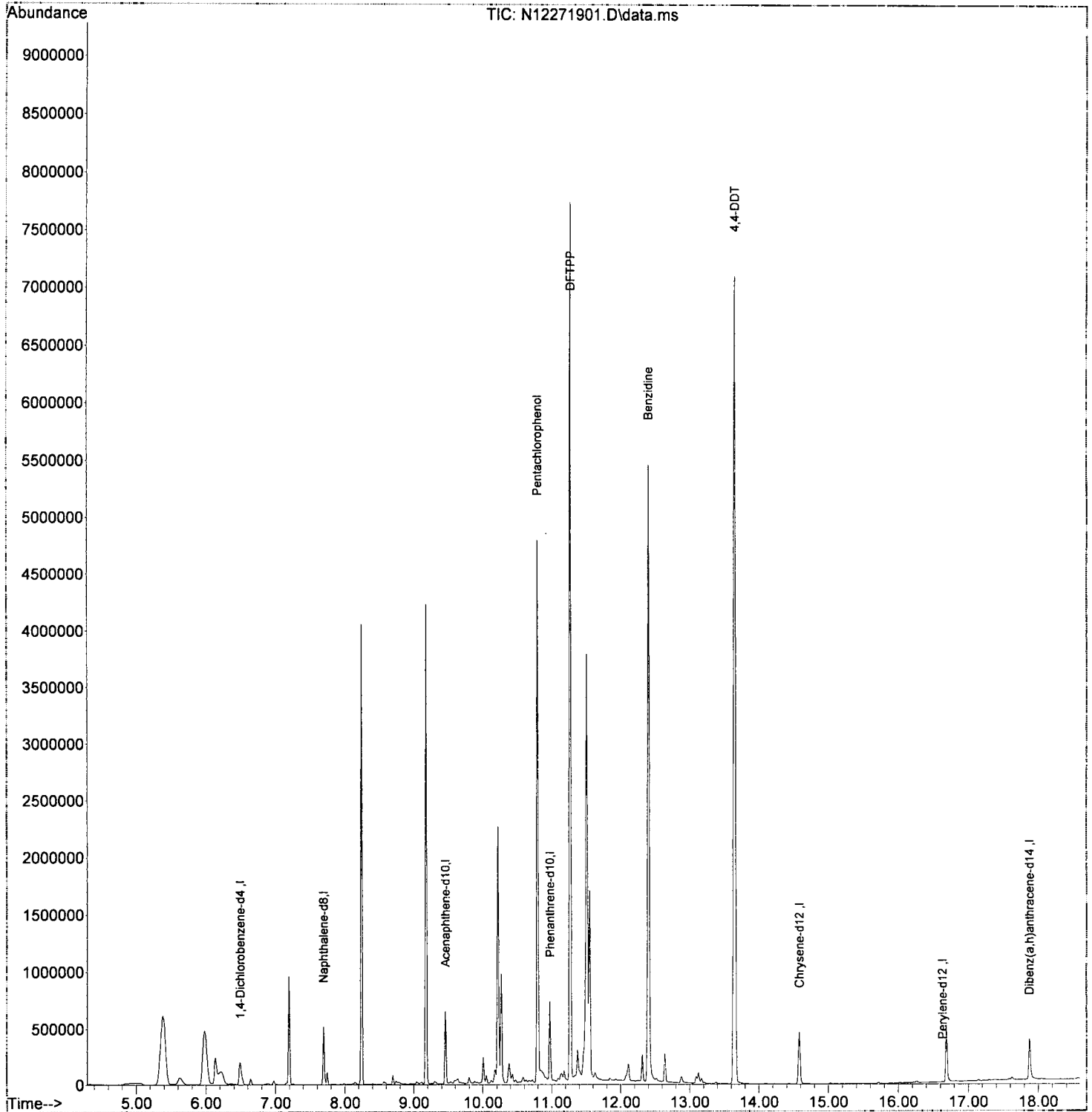
DDD 146690

DDT 13456744 3.7% PASS

Breakdown must be less than 20% to accept sample data.

Data Path : U:\data\2109-12\9L27023\
Data File : N12271901.D
Acq On : 27 Dec 2019 09:24 am
Operator : JK/ AMS/ DTH
Sample : 9L27023-TUN1
Misc : 1x, A19L181 DFTPP
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Dec 30 08:39:26 2019
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Nov 06 13:10:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Evaluate Continuing Calibration Report

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271902.D
 Acq On : 27 Dec 2019 09:51 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
 12/30/19

Quant Time: Dec 30 08:42:06 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

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	122	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	45.791	8.4	115	0.00
3 T	Decalin	50.000	40.267	19.5	97	0.00
4 T	Naphthalene	50.000	48.779	2.4	121	0.00
5 T	2-Methylnaphthalene	50.000	40.936	18.1	99	0.00
6 T	1-Methylnaphthalene	50.000	40.983	18.0	97	0.00
7 T	1,1'-Biphenyl	50.000	38.879	22.2#	95	0.00
8 T	2,6-Dimethylnaphthalene	50.000	37.012	26.0#	88	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	93	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	52.944	-5.9	99	0.00
11 S	Acenaphthylene d-8 (Surr)	50.000	0.953	98.1#	4	0.00
12 T	Acenaphthylene	50.000	46.965	6.1	87	0.00
13 T	Acenaphthene	50.000	47.466	5.1	90	0.00
14 T	Dibenzofuran	50.000	48.561	2.9	91	0.00
15 T	1,6,7-Trimethylnaphthalene	50.000	47.360	5.3	90	0.00
16 T	Fluorene	50.000	45.987	8.0	86	0.00
17 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	90	0.00
18 T	Dibenzothiopene	50.000	48.144	3.7	88	0.00
19 T	Phenanthrene	50.000	48.019	4.0	88	0.00
20 T	Anthracene	50.000	45.969	8.1	84	0.00
21 T	Carbazole	50.000	44.021	12.0	80	0.00
22 T	1-Methylphenanthrene	50.000	50.205	-0.4	91	0.00
23 T	Fluoranthene	50.000	50.964	-1.9	92	0.00
24 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	103	0.00
25 T	Pyrene	50.000	45.414	9.2	93	0.00
26 S	Terphenyl-d14 (Surr)	50.000	45.632	8.7	95	0.00
27 T	Benz(a)anthracene	50.000	44.391	11.2	97	0.00
28 T	Chrysene	50.000	46.789	6.4	98	0.00
29 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	118	0.00
30 T	Benzo(b)fluoranthene	50.000	46.922	6.2	110	0.00
31 T	Benzo(k)fluoranthene	50.000	46.812	6.4	113	0.00
32 T	Benzo(b+k)fluoranthene	100.000	94.472	5.5	112	0.00
33 S	Benzo(a)pyrene d-12 (Surr)	50.000	0.000	100.0#	0	-17.96#
34 T	Benzo(e)pyrene	50.000	45.036	9.9	108	0.00
35 T	Benzo(a)pyrene	50.000	46.958	6.1	109	0.00
36 T	Perylene	50.000	47.941	4.1	113	0.00
37 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	149	0.00
38 T	Indeno(1,2,3-cd)Pyrene	50.000	44.290	11.4	133	-0.01
39 T	Dibenz(a,h)anthracene	50.000	49.299	1.4	148	-0.01
40 T	Benzo(g,h,i)perylene	50.000	45.666	8.7	134	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271902.D
 Acq On : 27 Dec 2019 09:51 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

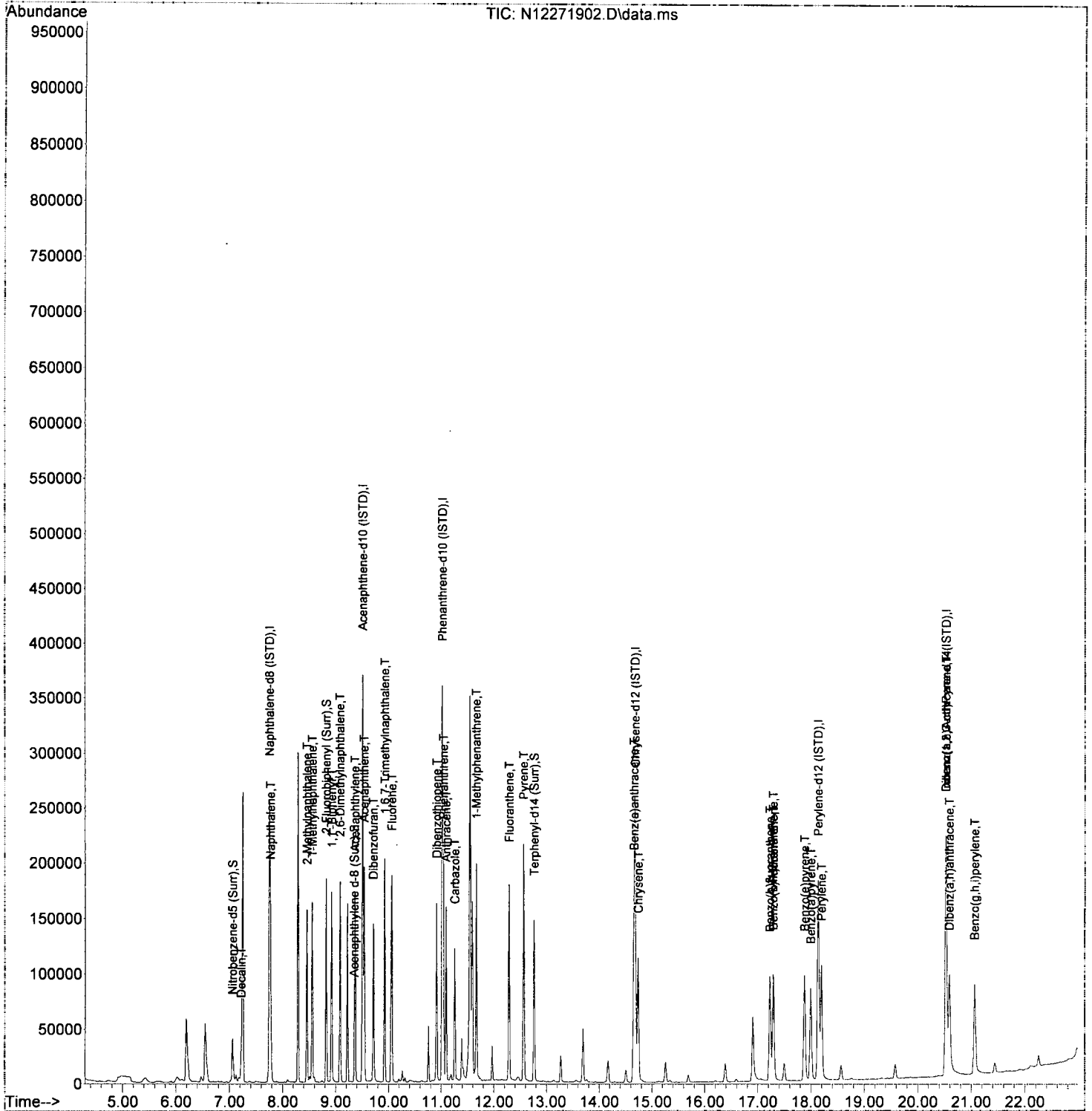
Quant Time: Dec 30 08:42:06 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.755	136	180790	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.509	162	109710	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.019	188	197956	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.679	240	175038	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.136	264	168746	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.525	292	138586	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	27509	45.79	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.821	172	86654	52.94	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	5289	0.95	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.762	244	84004	45.63	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	7.224	138	5420	40.27	ng/ml		Qvalue 89
4) Naphthalene	7.772	128	97264	48.78	ng/ml		99
5) 2-Methylnaphthalene	8.460	142	69169	40.94	ng/ml		97
6) 1-Methylnaphthalene	8.559	142	69236	40.98	ng/ml		97
7) 1,1'-Biphenyl	8.926	154	88354	38.88	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.084	156	61427	37.01	ng/ml		99
12) Acenaphthylene	9.364	152	111860	46.96	ng/ml		99
13) Acenaphthene	9.538	153	74049	47.47	ng/ml		99
14) Dibenzofuran	9.713	168	94889	48.56	ng/ml		97
15) 1,6,7-Trimethylnaphtha...	9.929	170	61962	47.36	ng/ml		99
16) Fluorene	10.063	166	73413	45.99	ng/ml		99
18) Dibenzothiopene	10.914	184	99676	48.14	ng/ml		95
19) Phenanthrene	11.042	178	111232	48.02	ng/ml		100
20) Anthracene	11.095	178	99046	45.97	ng/ml		99
21) Carbazole	11.258	167	76749	44.02	ng/ml		99
22) 1-Methylphenanthrene	11.666	192	80787	50.20	ng/ml		99
23) Fluoranthene	12.290	202	118942	50.96	ng/ml		96
25) Pyrene	12.563	202	124194	45.41	ng/ml		99
27) Benz(a)anthracene	14.656	228	90213	44.39	ng/ml		99
28) Chrysene	14.738	228	89982	46.79	ng/ml		99
30) Benzo(b)fluoranthene	17.226	252	91363	46.92	ng/ml		94
31) Benzo(k)fluoranthene	17.290	252	89744	46.81	ng/ml		92
32) Benzo(b+k)fluoranthene	17.290	252	188154	94.47	ng/ml		92
34) Benzo(e)pyrene	17.879	252	88670	45.04	ng/ml		97
35) Benzo(a)pyrene	17.996	252	78261	46.96	ng/ml		96
36) Perylene	18.194	252	98409	47.94	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.525	276	75700	44.29	ng/ml		77
39) Dibenz(a,h)anthracene	20.589	278	79174	49.30	ng/ml		84
40) Benzo(g,h,i)perylene	21.062	276	82798	45.67	ng/ml		99

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

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271902.D
 Acq On : 27 Dec 2019 09:51 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-CCV1
 Misc : 1x, A19K012@50
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:06 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2109-12\9L27023\
 Data File : N12271903.D
 Acq On : 27 Dec 2019 10:24 am
 Operator : JK/ AMS/ DTH
 Sample : 9L27023-CCB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
12/30/19

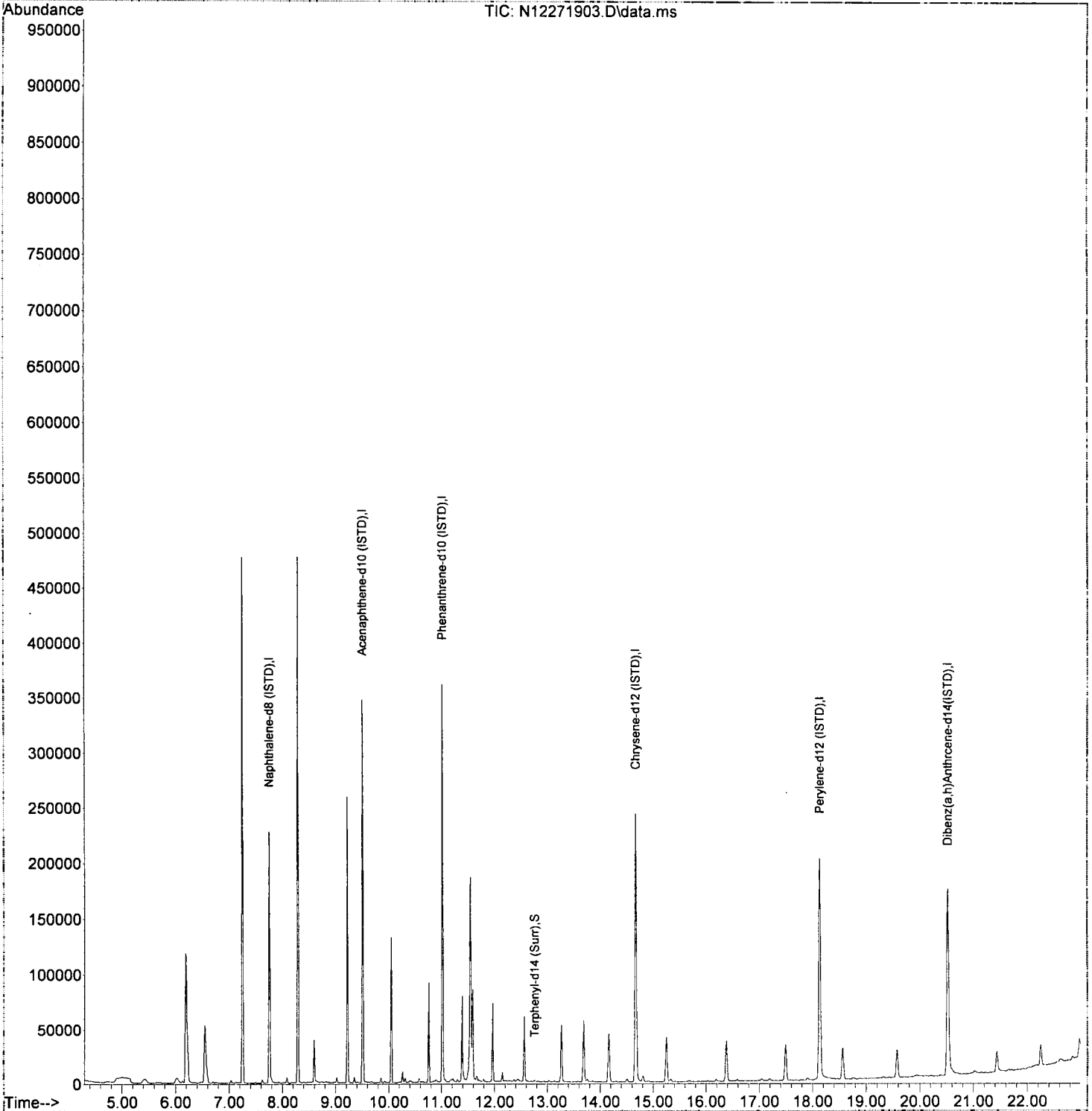
Quant Time: Dec 30 08:42:24 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	170784	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	106963	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	196468	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	186328	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.130	264	177744	100.00	ng/ml	-0.01	
37) Dibenz(a,h)Anthracene-d...	20.514	292	155990	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	0.000	82	0	0.00	ng/ml		
10) 2-Fluorobiphenyl (Surr)	8.822	172	383	0.24	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	3618	0.23	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	930	0.47	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.778	128	195	N.D.			
5) 2-Methylnaphthalene	0.000		0	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	0.000		0	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
12) Acenaphthylene	0.000		0	N.D.			
13) Acenaphthene	0.000		0	N.D.			
14) Dibenzofuran	0.000		0	N.D.			
15) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.			
16) Fluorene	0.000		0	N.D.			
18) Dibenzothiopene	0.000		0	N.D.			
19) Phenanthrene	11.036	178	83	N.D.			
20) Anthracene	11.036	178	83	N.D.			
21) Carbazole	11.264	167	235	N.D.			
22) 1-Methylphenanthrene	0.000		0	N.D.			
23) Fluoranthene	12.284	202	269	N.D.			
25) Pyrene	12.564	202	108	N.D.			
27) Benz(a)anthracene	14.668	228	607	N.D.			
28) Chrysene	14.720	228	188	N.D.			
30) Benzo(b)fluoranthene	17.238	252	143	N.D.			
31) Benzo(k)fluoranthene	17.238	252	143	N.D.			
32) Benzo(b+k)fluoranthene	17.238	252	143	N.D.			
34) Benzo(e)pyrene	17.868	252	79	N.D.			
35) Benzo(a)pyrene	0.000		0	N.D.			
36) Perylene	18.130	252	486	N.D.			
38) Indeno(1,2,3-cd)Pyrene	20.514	276	87	N.D.			
39) Dibenz(a,h)anthracene	0.000		0	N.D.			
40) Benzo(g,h,i)perylene	21.062	276	76	N.D.			

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

Data Path : U:\data\2109-12\9L27023\
Data File : N12271903.D
Acq On : 27 Dec 2019 10:24 am
Operator : JK/ AMS/ DTH
Sample : 9L27023-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:24 2019
Quant Method : U:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2109-12\9L27023\
 Data File : N12271905.D
 Acq On : 27 Dec 2019 03:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BLK1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
 12/30/19
 B
 B02

Quant Time: Dec 30 08:42:41 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

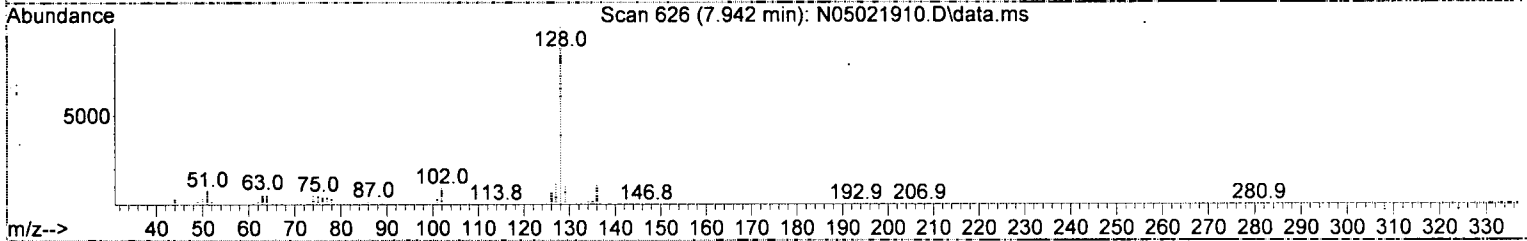
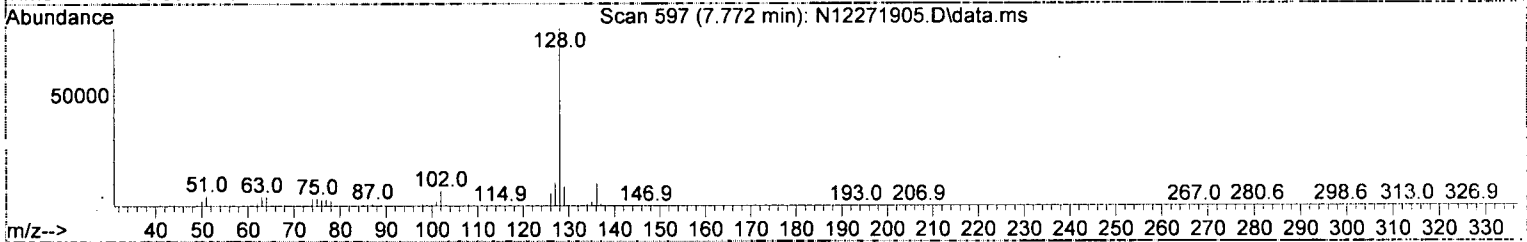
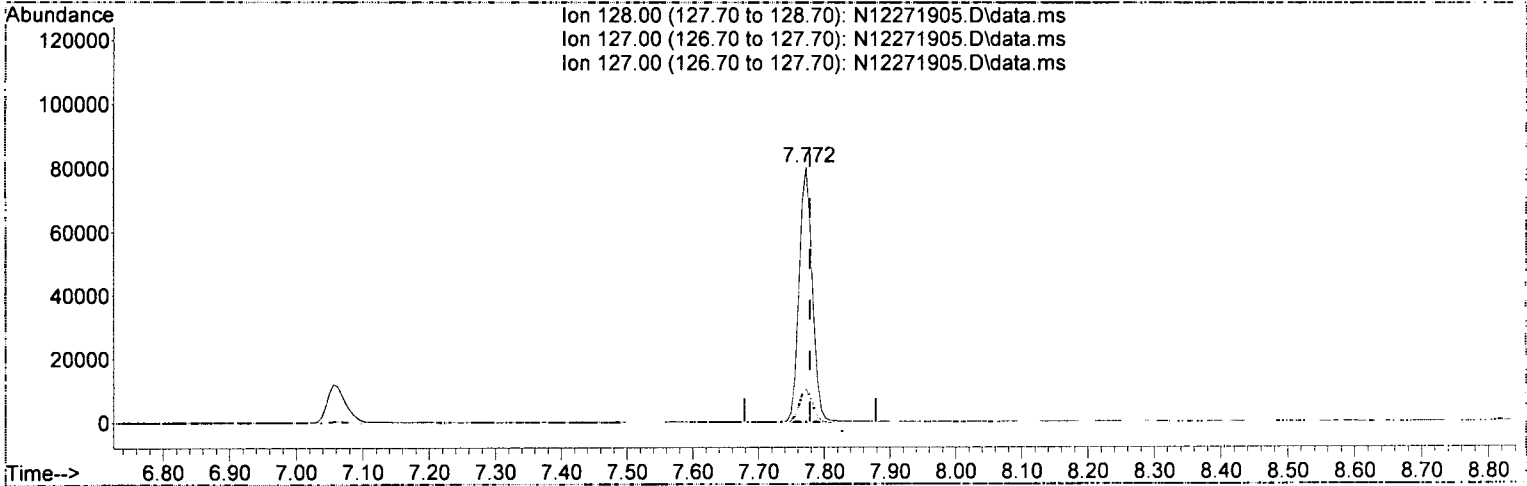
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	172884	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	110896	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	210130	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	200909	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.130	264	194825	100.00	ng/ml	-0.01	
37) Dibenz(a,h)Anthracene-d...	20.520	292	173074	100.00	ng/ml	-0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.055	82	44611	77.65	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.821	172	145091	87.70	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	3495	0.12	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.762	244	180615	85.48	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0				Qvalue
4) Naphthalene	7.772	128	112206	58.85	ng/ml	100	
5) 2-Methylnaphthalene	8.454	142	11344	7.02	ng/ml	98	
6) 1-Methylnaphthalene	8.553	142	6630	4.10	ng/ml	98	
7) 1,1'-Biphenyl	8.921	154	4158	1.91	ng/ml	98	
8) 2,6-Dimethylnaphthalene	9.090	156	2095	1.32	ng/ml	87	
12) Acenaphthylene	9.364	152	947				
13) Acenaphthene	9.538	153	9371	5.94	ng/ml	97	
14) Dibenzofuran	9.713	168	884	0.45	ng/ml	87	
15) 1,6,7-Trimethylnaphtha...	9.917	170	395				
16) Fluorene	10.063	166	3701	2.29	ng/ml	98	
18) Dibenzothiopene	10.908	184	2251	1.02	ng/ml	99	
19) Phenanthrene	11.036	178	19082	7.76	ng/ml	100	
20) Anthracene	11.089	178	2218	0.97	ng/ml	98	
21) Carbazole	11.258	167	379				
22) 1-Methylphenanthrene	11.666	192	345				
23) Fluoranthene	12.284	202	4312	1.74	ng/ml	96	
25) Pyrene	12.563	202	4858	1.55	ng/ml	97	
27) Benz(a)anthracene	14.656	228	974	0.42	ng/ml	82	
28) Chrysene	14.726	228	613				
30) Benzo(b)fluoranthene	17.226	252	436				
31) Benzo(k)fluoranthene	17.226	252	572				
32) Benzo(b+k)fluoranthene	17.226	252	593				
34) Benzo(e)pyrene	17.868	252	337				
35) Benzo(a)pyrene	17.990	252	287				
36) Perylene	18.130	252	613				
38) Indeno(1,2,3-cd)Pyrene	20.520	276	338				
39) Dibenz(a,h)anthracene	0.000		0				
40) Benzo(g,h,i)perylene	21.062	276	385				

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

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271905.D
 Acq On : 27 Dec 2019 03:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BLK1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:41 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271905.D\data.ms

(4) Naphthalene (T)

7.772min (-0.006) 58.85 ng/ml

response 112206

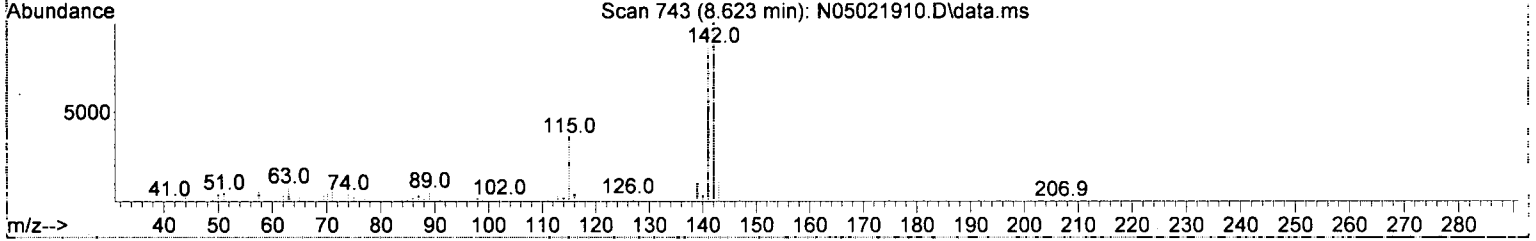
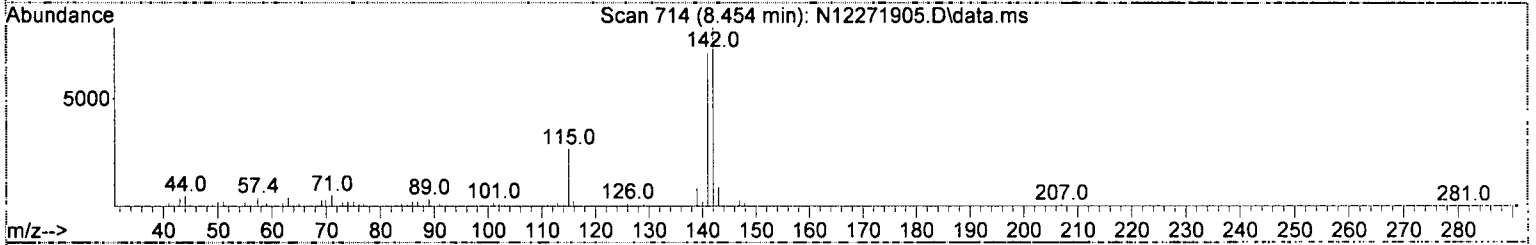
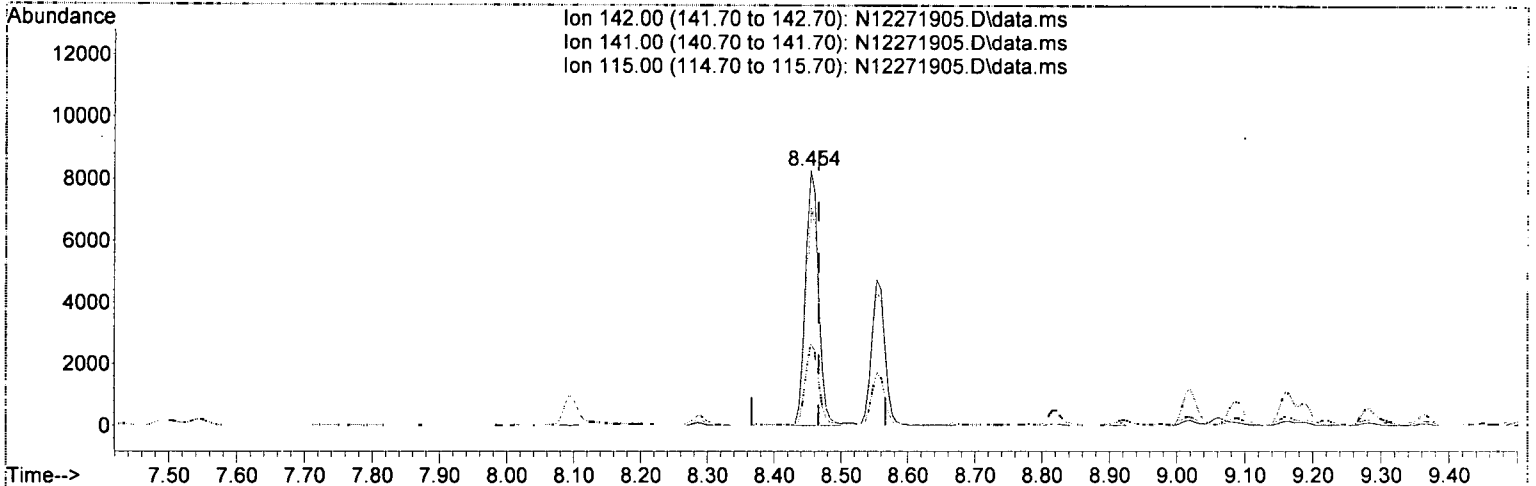
Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.78
127.00	12.60	12.78
0.00	0.00	0.00

B

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271905.D
 Acq On : 27 Dec 2019 03:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BLK1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:41 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271905.D\data.ms

(5) 2-Methylnaphthalene (T)

8.454min (-0.012) 7.02 ng/ml

response 11344

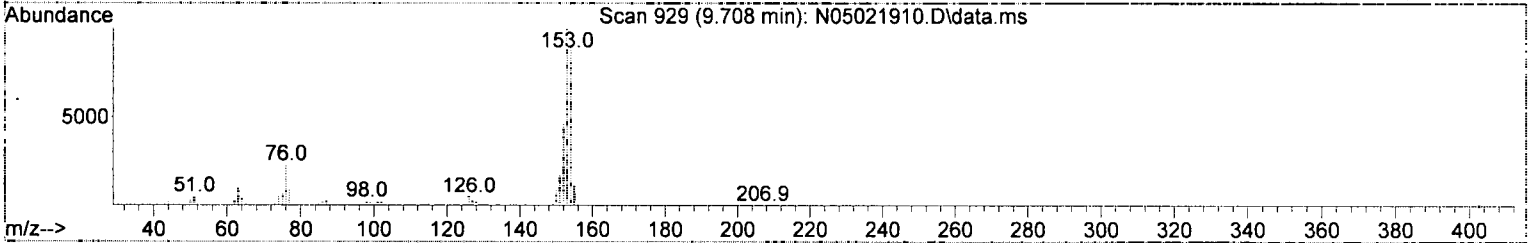
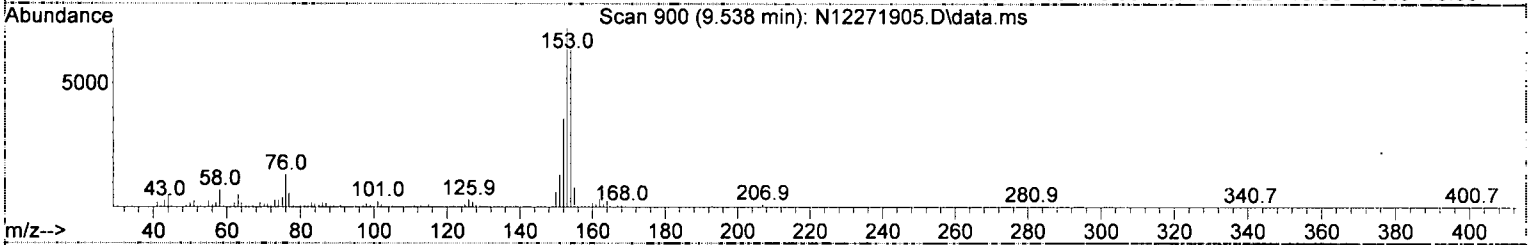
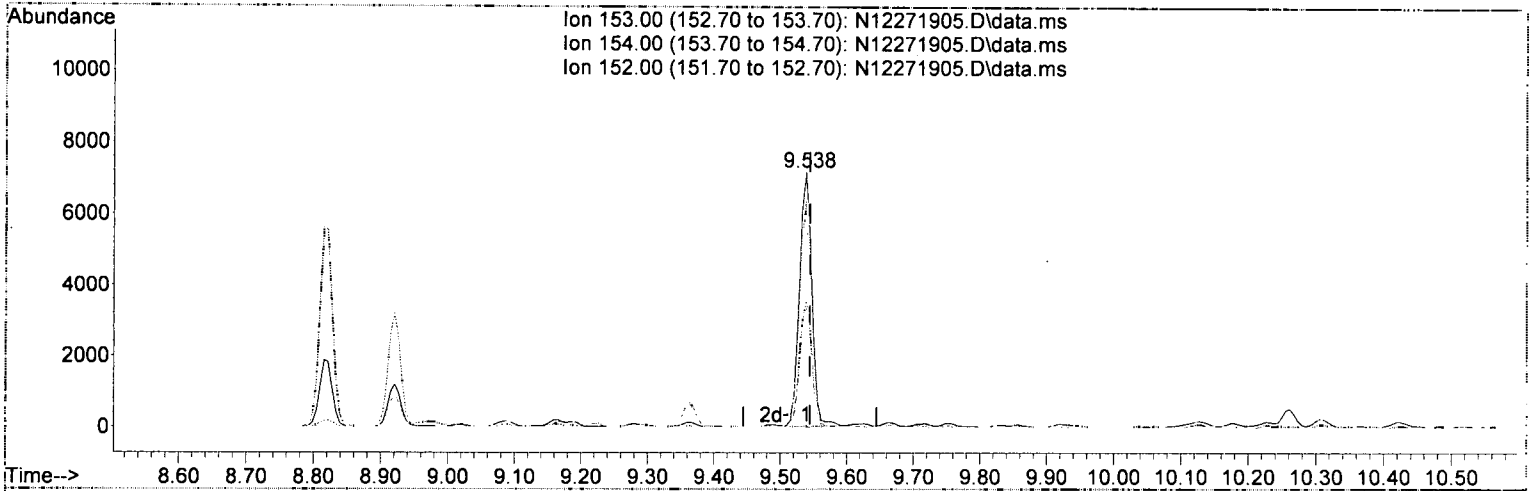
Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	85.78
115.00	35.70	32.01
0.00	0.00	0.00

B

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271905.D
 Acq On : 27 Dec 2019 03:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BLK1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:41 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271905.D\data.ms

(13) Acenaphthene (T)

9.538min (-0.006) 5.94 ng/ml

response 9371

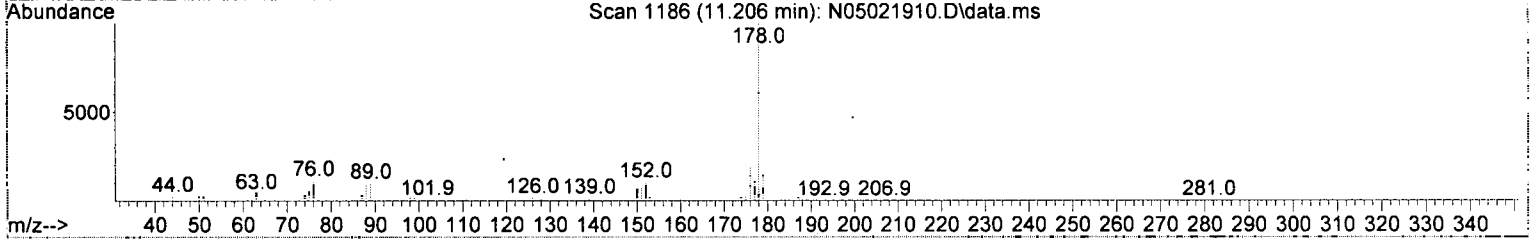
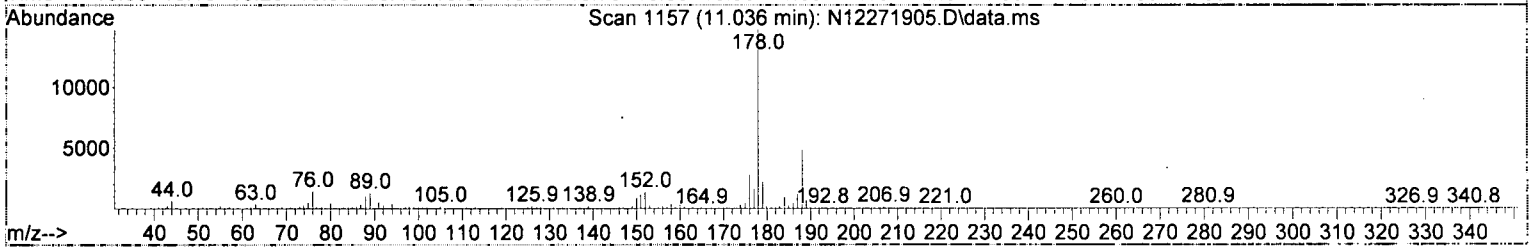
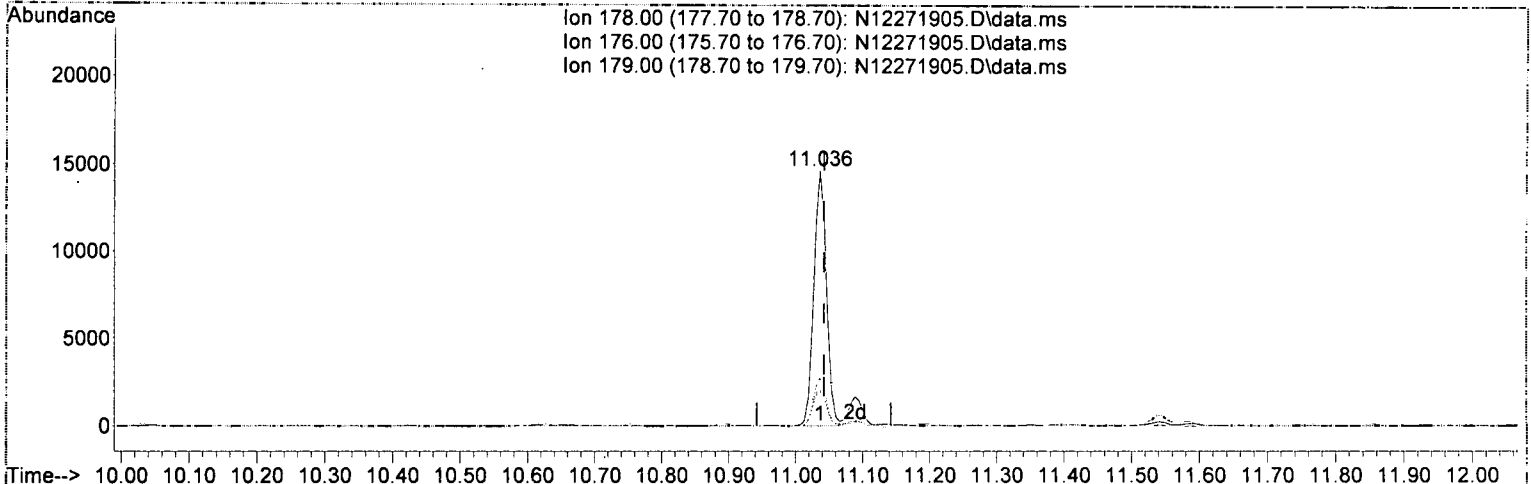
Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	88.76
152.00	46.80	49.53
0.00	0.00	0.00

B

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271905.D
 Acq On : 27 Dec 2019 03:42 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BLK1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:41 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

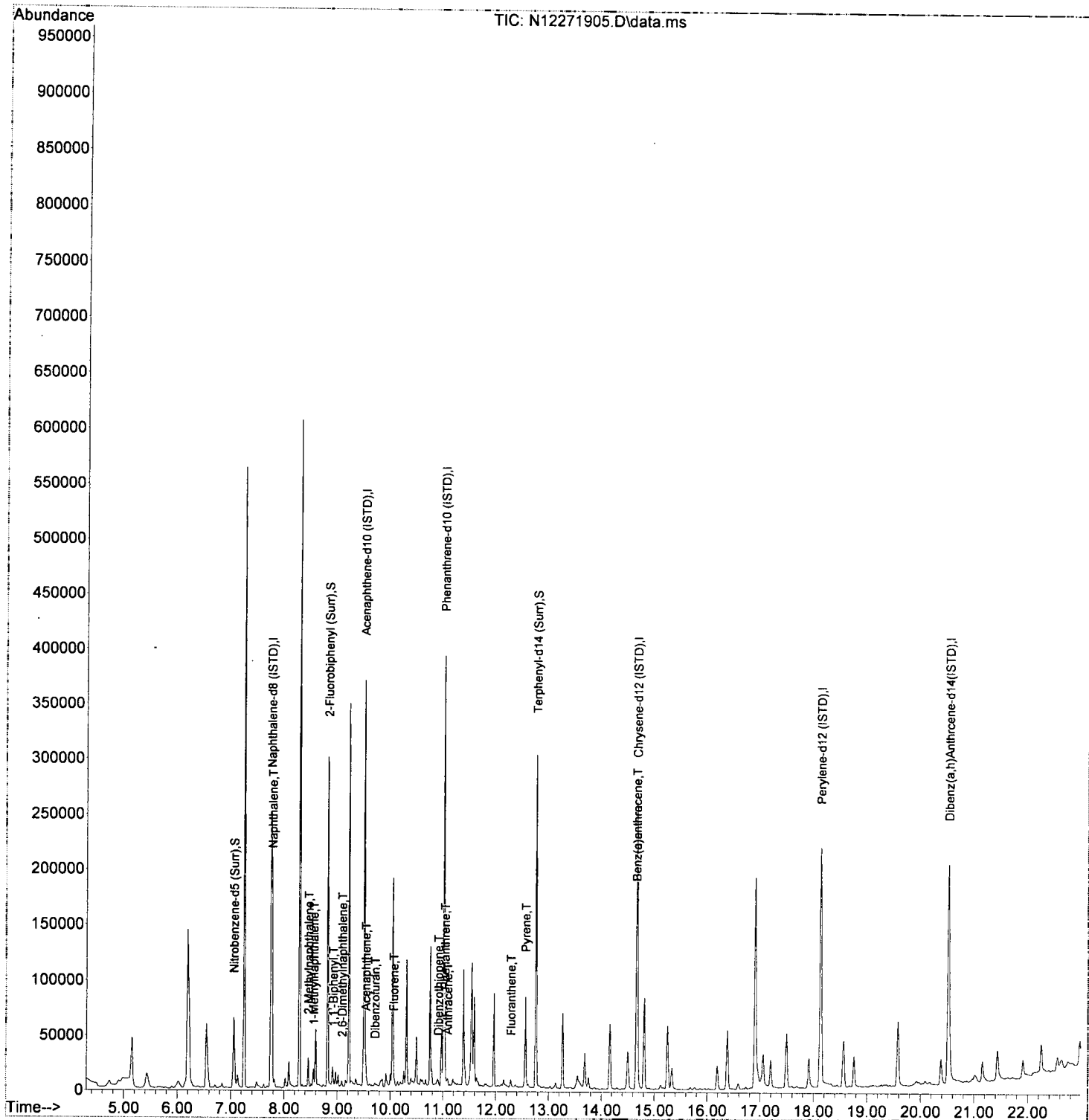


TIC: N12271905.D\data.ms

(19) Phenanthrene (T)		
11.036min (-0.006)	7.76 ng/ml	
response	19082	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.96
179.00	15.10	15.16
0.00	0.00	0.00

Data Path : U:\data\2109-12\9L27023\
Data File : N12271905.D
Acq On : 27 Dec 2019 03:42 pm
Operator : JK/ AMS/ DTH
Sample : 9121369-BLK1
Misc : 1x, 8270 LL PAH ONLY
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:41 2019
Quant Method : U:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : U:\data\2109-12\9L27023\
 Data File : N12271906.D
 Acq On : 27 Dec 2019 04:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BS1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

AMS
12/30/19

Quant Time: Dec 30 08:42:44 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

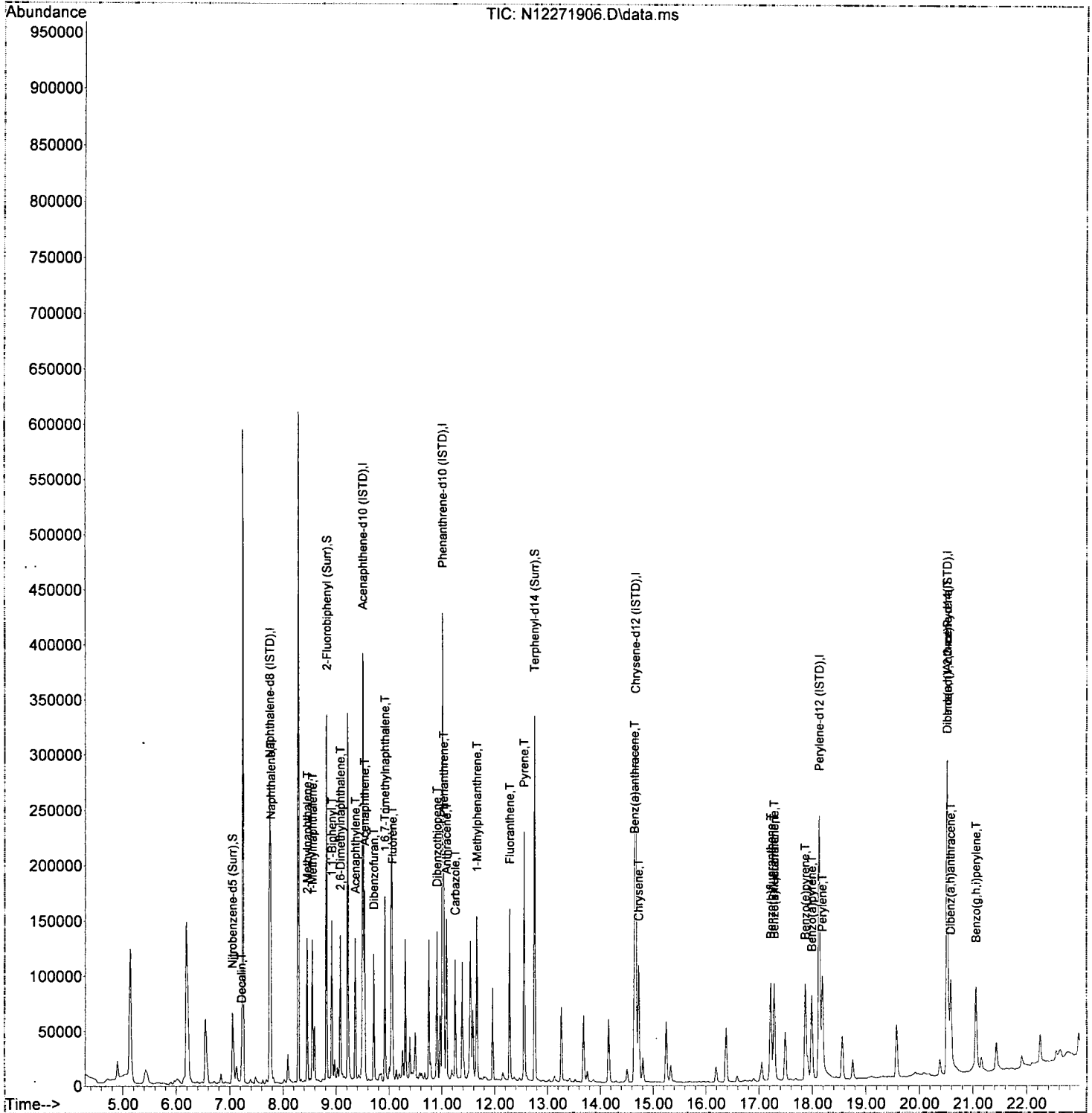
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	

Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	178530	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	119956	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	224666	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	215150	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.130	264	210590	100.00	ng/ml	-0.01	
37) Dibenz(a,h)Anthracene-d...	20.514	292	184489	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.055	82	47324	79.77	ng/ml	-0.01	
10) 2-Fluorobiphenyl (Surr)	8.821	172	158996	88.85	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	3404	-1.00	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	190669	84.26	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
							Qvalue
3) Decalin	7.224	138	4606	34.65	ng/ml		89
4) Naphthalene	7.772	128	126697	64.34	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	56156	33.66	ng/ml		97
6) 1-Methylnaphthalene	8.553	142	53756	32.22	ng/ml		98
7) 1,1'-Biphenyl	8.921	154	66537	29.65	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.084	156	48797	29.77	ng/ml		98
12) Acenaphthylene	9.363	152	82563	31.70	ng/ml		99
13) Acenaphthene	9.538	153	62873	36.86	ng/ml		99
14) Dibenzofuran	9.713	168	70752	33.12	ng/ml		95
15) 1,6,7-Trimethylnaphtha...	9.923	170	47623	33.29	ng/ml		99
16) Fluorene	10.063	166	60847	34.86	ng/ml		99
18) Dibenzothiopene	10.908	184	78837	33.55	ng/ml		95
19) Phenanthrene	11.036	178	104413	39.72	ng/ml		99
20) Anthracene	11.089	178	83775	34.26	ng/ml		99
21) Carbazole	11.252	167	69314	35.03	ng/ml		99
22) 1-Methylphenanthrene	11.666	192	63559	34.80	ng/ml		98
23) Fluoranthene	12.284	202	100423	37.91	ng/ml		96
25) Pyrene	12.558	202	103781	30.87	ng/ml		99
27) Benz(a)anthracene	14.650	228	80460	32.21	ng/ml		99
28) Chrysene	14.726	228	81161	34.33	ng/ml		99
30) Benzo(b)fluoranthene	17.221	252	79913	32.89	ng/ml		93
31) Benzo(k)fluoranthene	17.285	252	81336	34.00	ng/ml		92
32) Benzo(b+k)fluoranthene	17.285	252	167641	67.45	ng/ml		92
34) Benzo(e)pyrene	17.867	252	79445	32.33	ng/ml		98
35) Benzo(a)pyrene	17.990	252	69928	33.62	ng/ml		96
36) Perylene	18.188	252	84815	33.11	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.520	276	72808	32.00	ng/ml		79
39) Dibenz(a,h)anthracene	20.584	278	69625	32.57	ng/ml		83
40) Benzo(g,h,i)perylene	21.056	276	75352	31.22	ng/ml		98

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

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271906.D
 Acq On : 27 Dec 2019 04:14 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-BS1
 Misc : 1x, 8270 LL PAH ONLY
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:44 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

MOS

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
12/30/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Qvalue
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	170739	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.504	162	117307	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	217818	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	209672	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.130	264	201688	100.00	ng/ml	-0.01	
37) Dibenz(a,h)Anthracene-d...	20.514	292	177102	100.00	ng/ml	-0.02	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.079	82	65	0.11	ng/ml	0.01	
10) 2-Fluorobiphenyl (Surr)	8.822	172	216	0.12	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.352	160	3907	0.21	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.756	244	295	0.13	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0				
4) Naphthalene	7.773	128	365663	194.18	ng/ml	100	
5) 2-Methylnaphthalene	8.454	142	47996	30.08	ng/ml	98	
6) 1-Methylnaphthalene	8.554	142	28796	18.05	ng/ml	99	
7) 1,1'-Biphenyl	8.921	154	21689	10.11	ng/ml	96	
8) 2,6-Dimethylnaphthalene	9.090	156	9985	6.37	ng/ml	97	
12) Acenaphthylene	9.364	152	13322	5.23	ng/ml	94	
13) Acenaphthene	9.539	153	62758	37.62	ng/ml	99	
14) Dibenzofuran	9.713	168	5825	2.79	ng/ml	96	
15) 1,6,7-Trimethylnaphtha...	9.923	170	2654	1.90	ng/ml	80	
16) Fluorene	10.063	166	33224	19.46	ng/ml	100	
18) Dibenzothiopene	10.908	184	32738	14.37	ng/ml	96	
19) Phenanthrene	11.037	178	279917	109.82	ng/ml	99	
20) Anthracene	11.089	178	47994	20.24	ng/ml	100	
21) Carbazole	11.252	167	11004	5.74	ng/ml	99	
22) 1-Methylphenanthrene	11.660	192	7632	4.31	ng/ml	95	
23) Fluoranthene	12.284	202	159351	62.05	ng/ml	95	
25) Pyrene	12.564	202	190767	58.24	ng/ml	99	
27) Benz(a)anthracene	14.650	228	35223	14.47	ng/ml	73	
28) Chrysene	14.726	228	43868	19.04	ng/ml	99	
30) Benzo(b)fluoranthene	17.227	252	38740	16.65	ng/ml	92	
31) Benzo(k)fluoranthene	17.227	252	48105	26.99	ng/ml	90	
32) Benzo(b+k)fluoranthene	17.227	252	54028	22.70	ng/ml	90	
34) Benzo(e)pyrene	17.868	252	25105	10.67	ng/ml	98	
35) Benzo(a)pyrene	17.984	252	38784	19.47	ng/ml	96	
36) Perylene	18.188	252	11659	4.75	ng/ml	99	
38) Indeno(1,2,3-cd)Pyrene	20.520	276	28104	12.87	ng/ml	80	
39) Dibenz(a,h)anthracene	20.578	278	2986	1.45	ng/ml	85	
40) Benzo(g,h,i)perylene	21.056	276	33272	14.36	ng/ml	99	

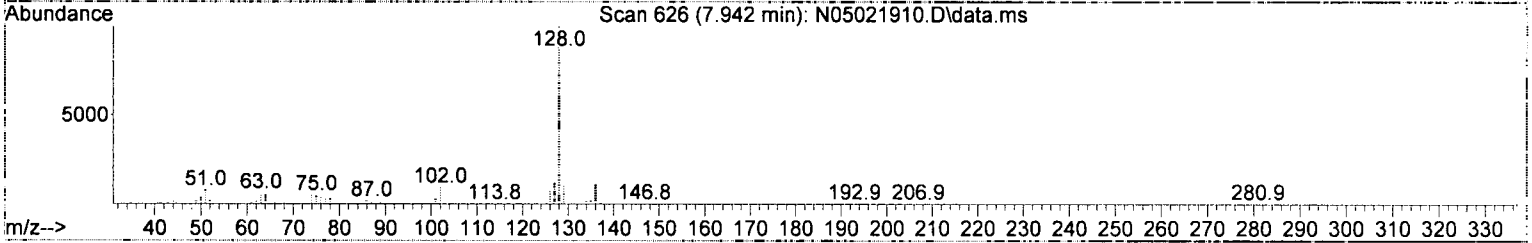
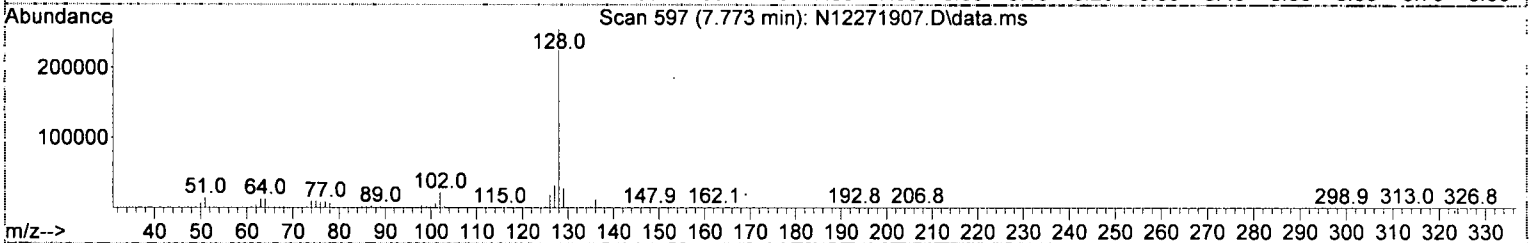
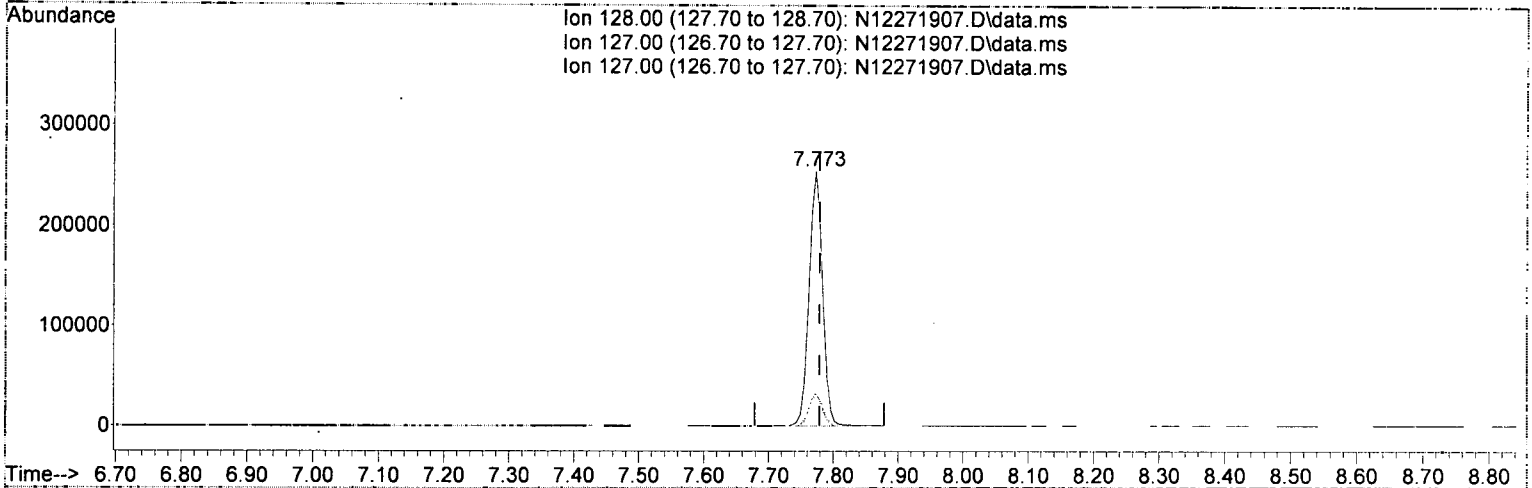
MJ MOS

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

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(4) Naphthalene (T)

7.773min (-0.006) 194.18 ng/ml

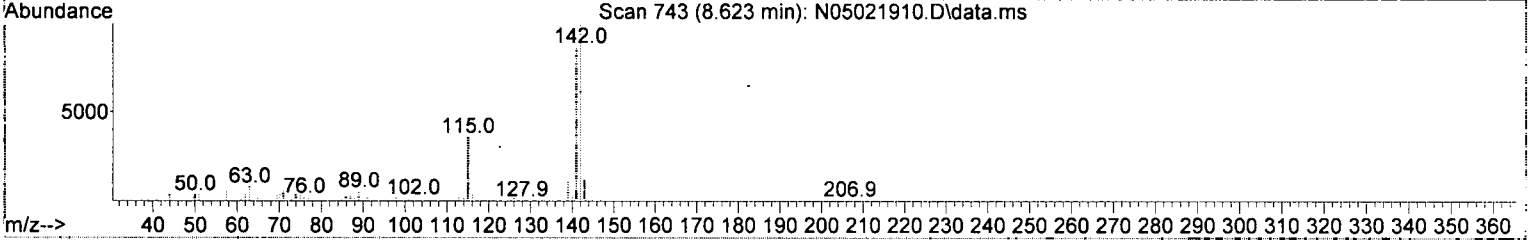
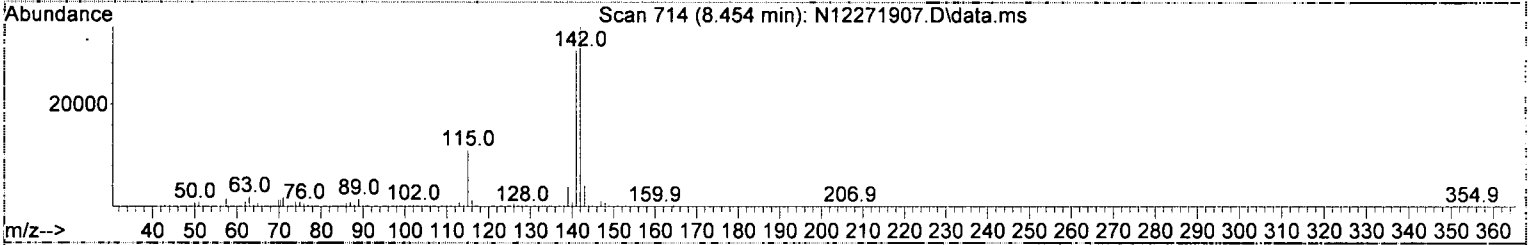
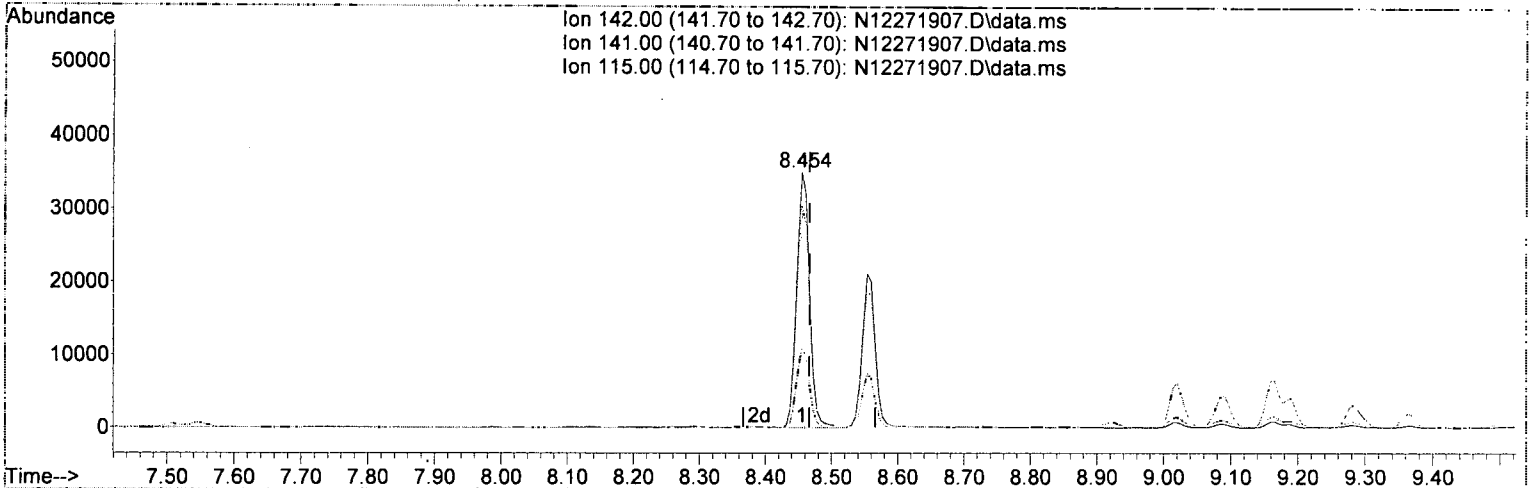
response 365663

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 : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(5) 2-Methylnaphthalene (T)

8.454min (-0.012) 30.08 ng/ml

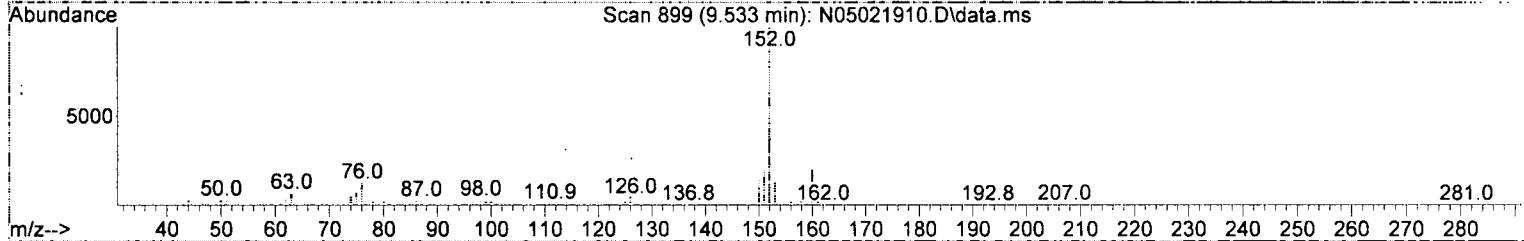
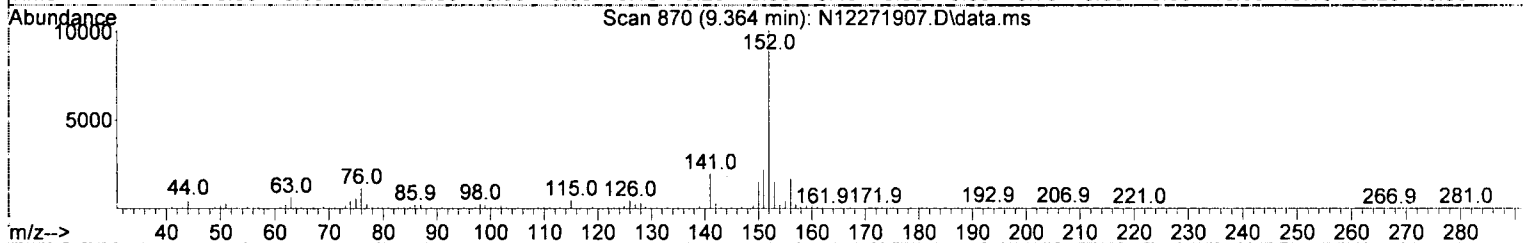
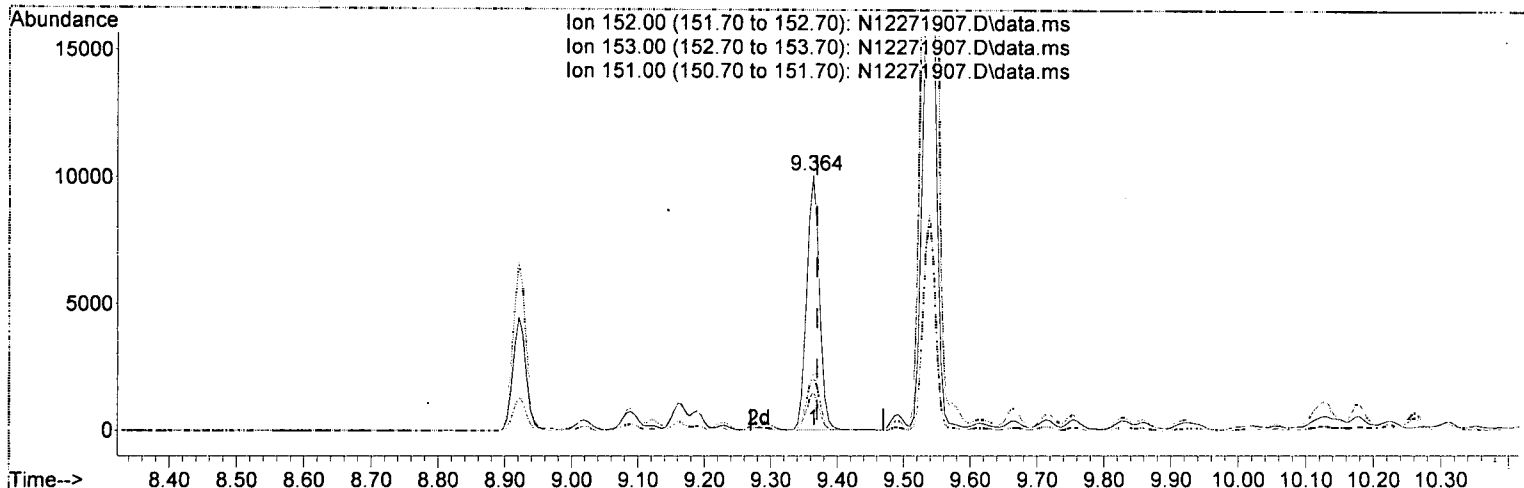
response 47996

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	86.59
115.00	35.70	31.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(12) Acenaphthylene (T)

9.364min (-0.006) 5.23 ng/ml

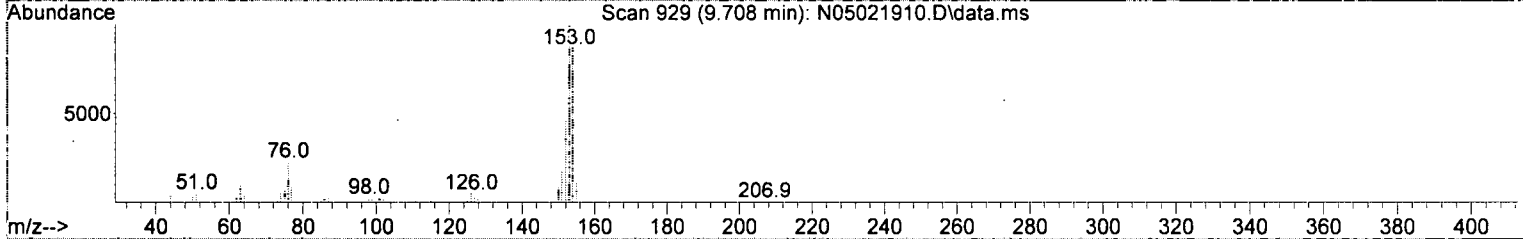
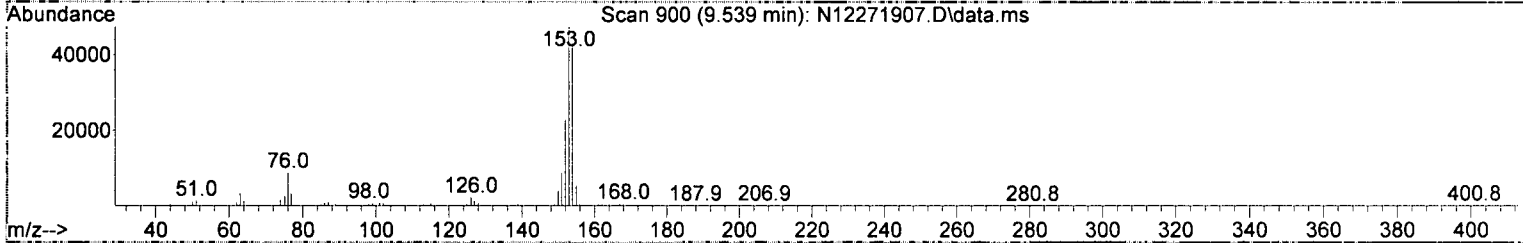
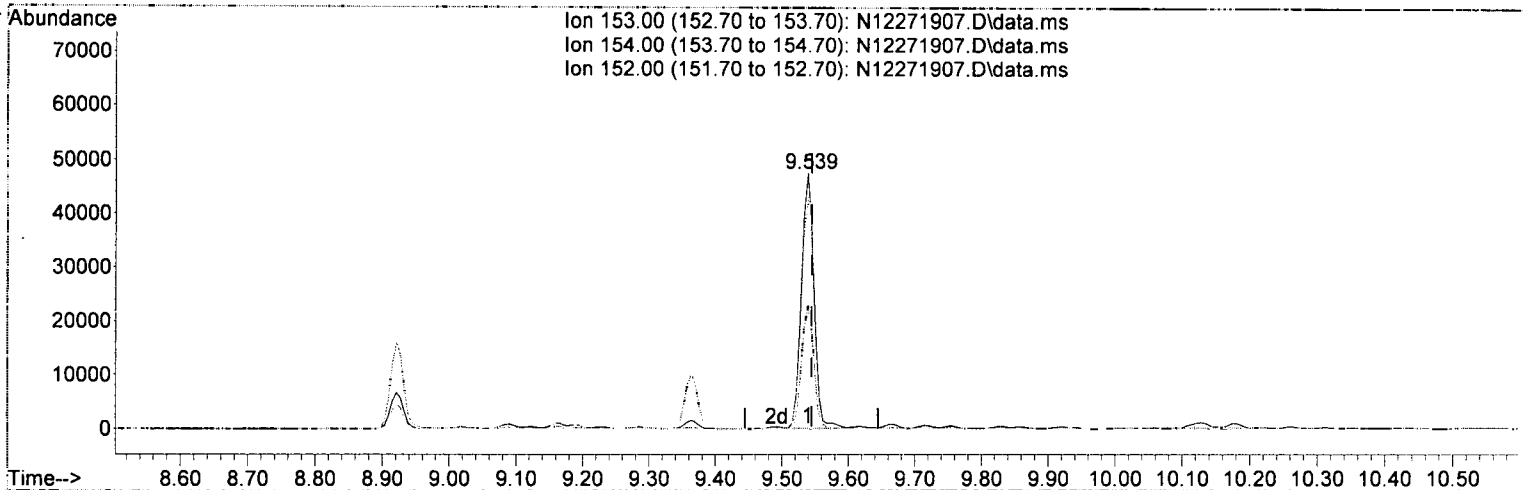
response 13322

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.95
151.00	19.30	21.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(13) Acenaphthene (T)

9.539min (-0.006) 37.62 ng/ml

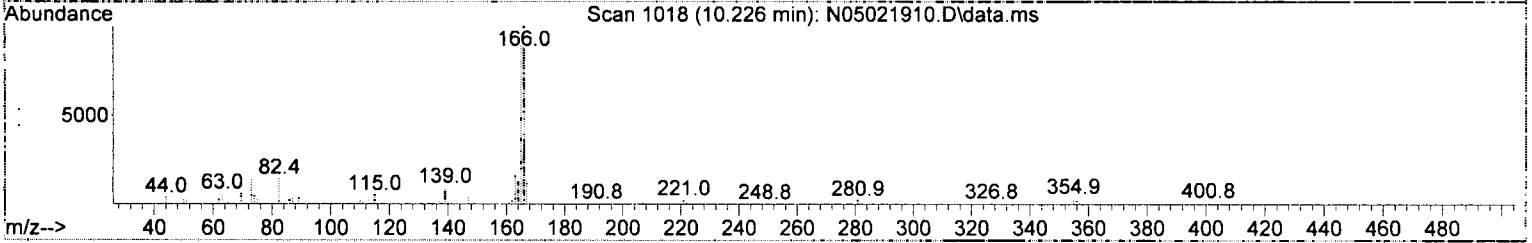
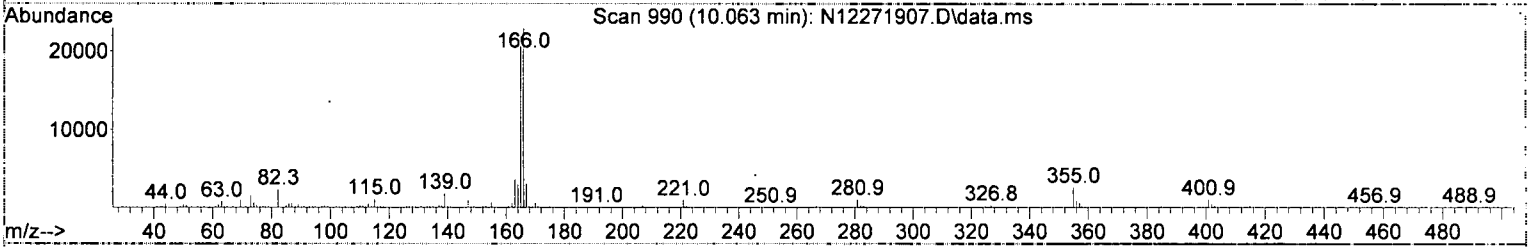
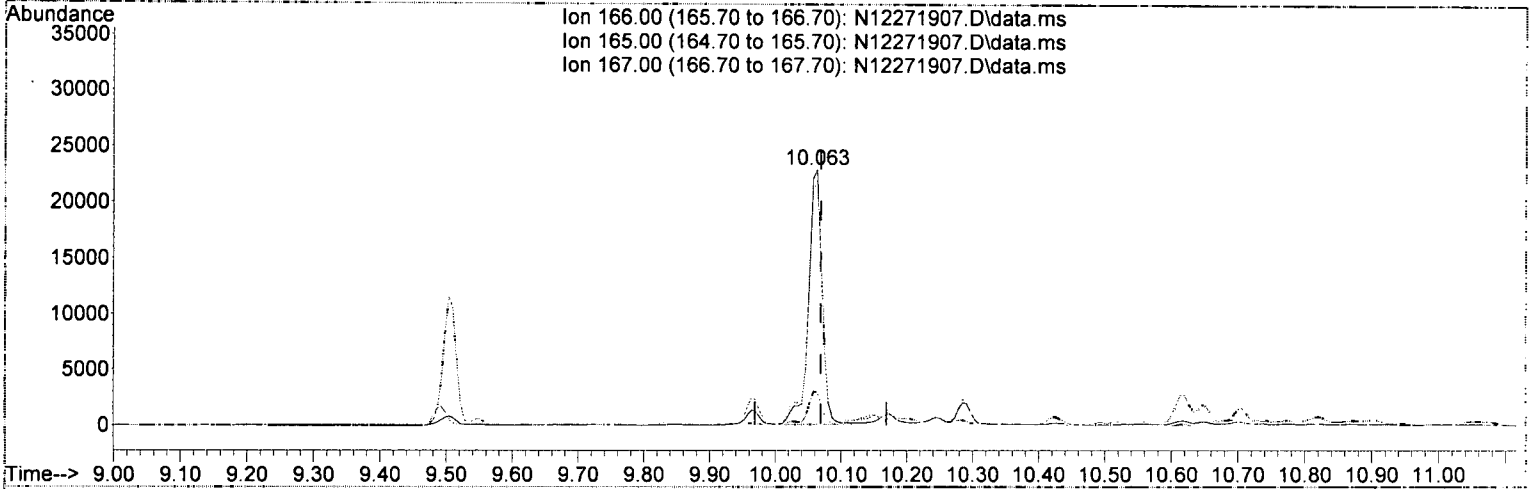
response 62758

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	91.35
152.00	46.80	47.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(16) Fluorene (T)

10.063min (-0.006) 19.46 ng/ml

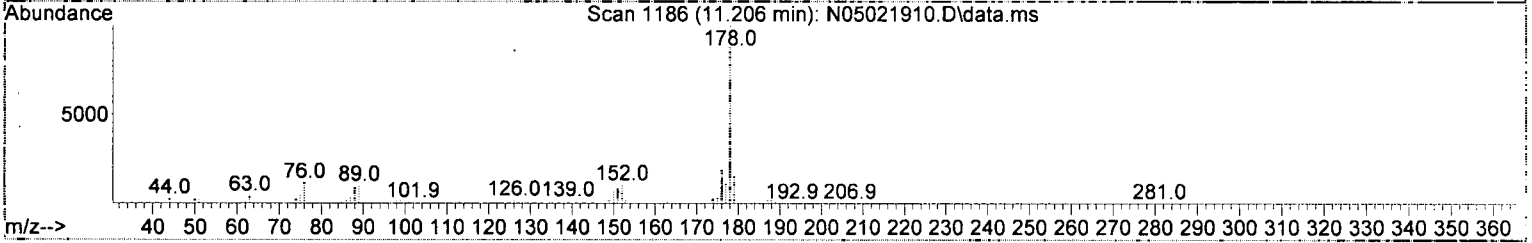
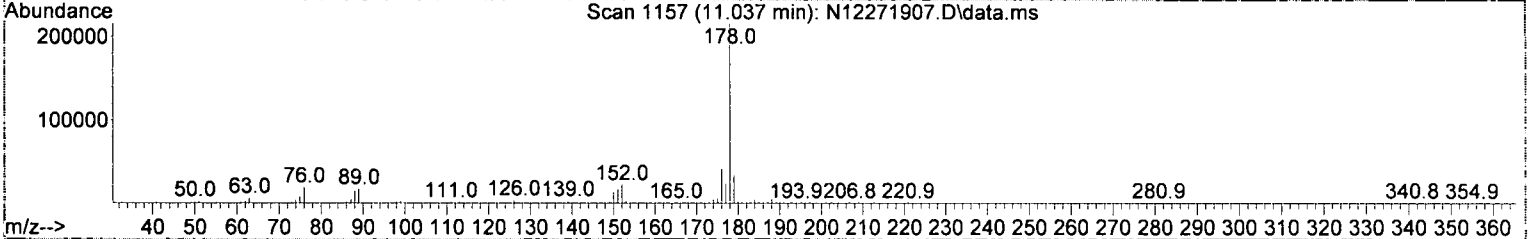
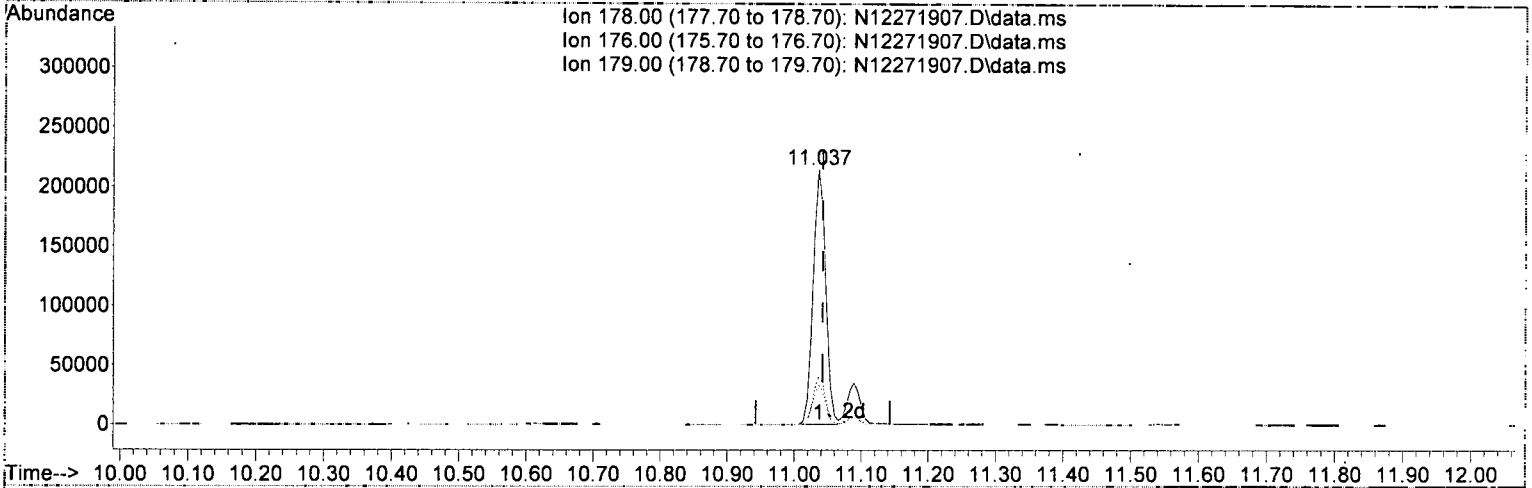
response 33224

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.78
167.00	13.60	13.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(19) Phenanthrene (T)

11.037min (-0.006) 109.82 ng/ml

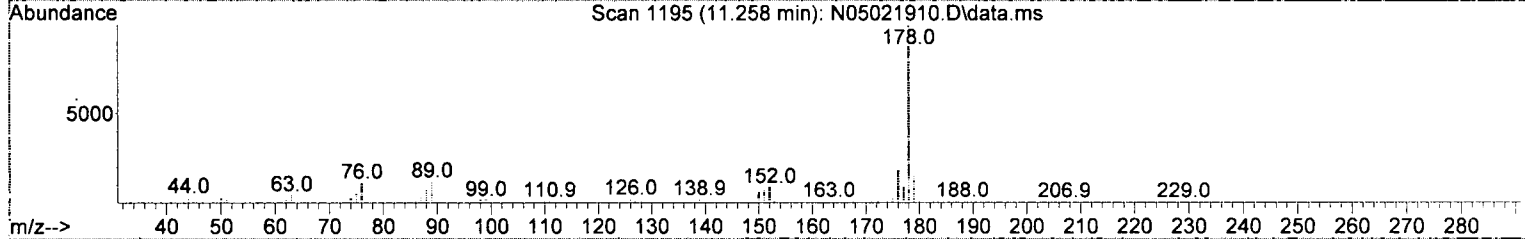
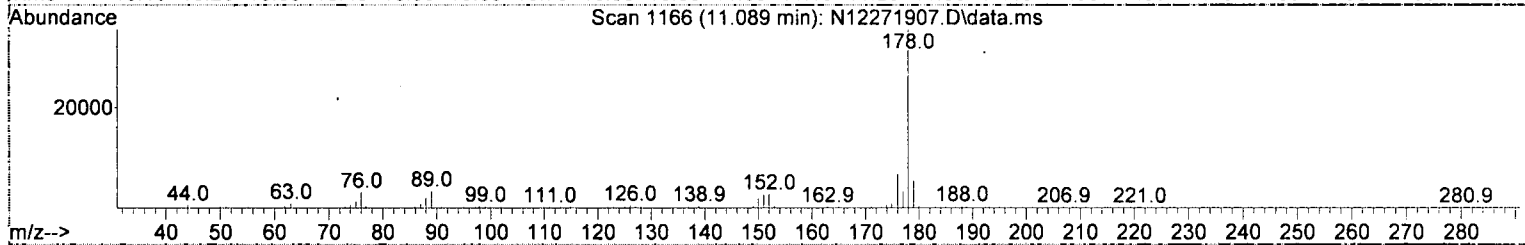
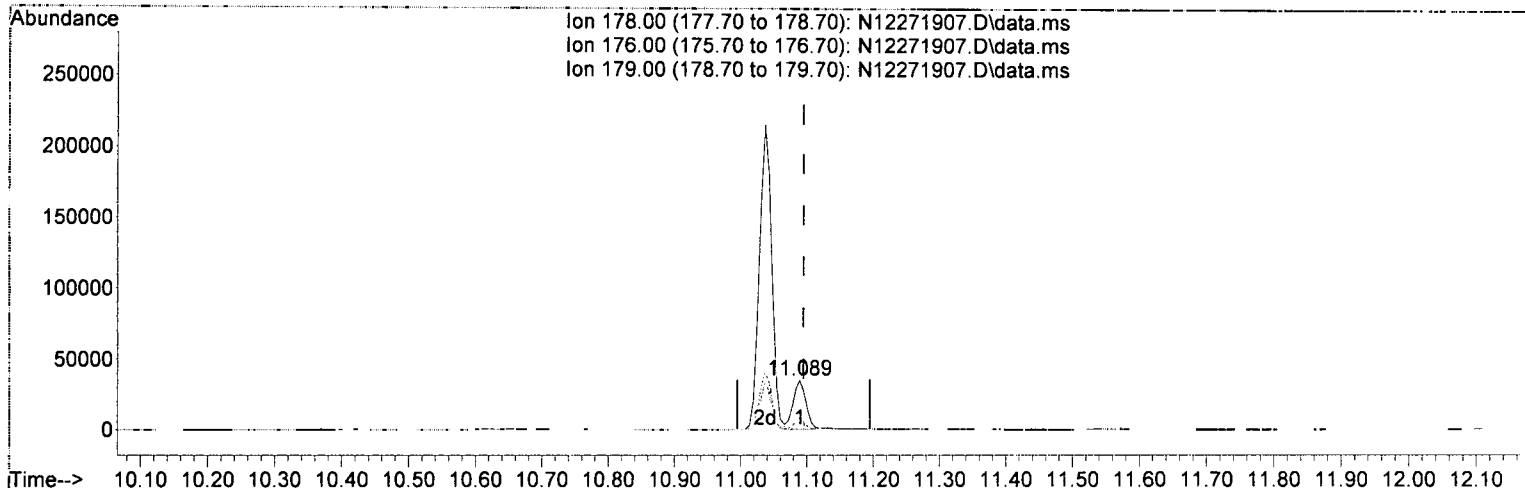
response 279917

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.11
179.00	15.10	15.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



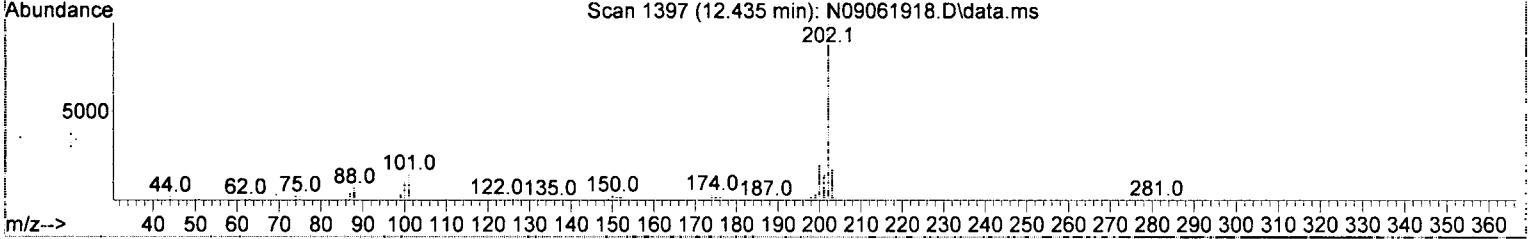
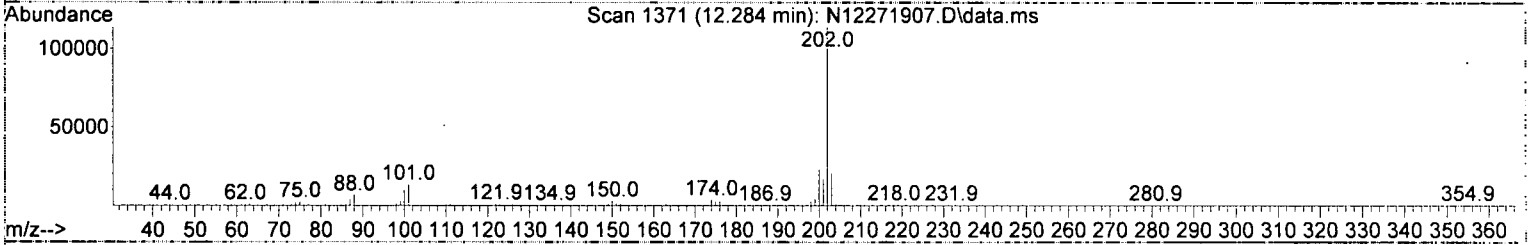
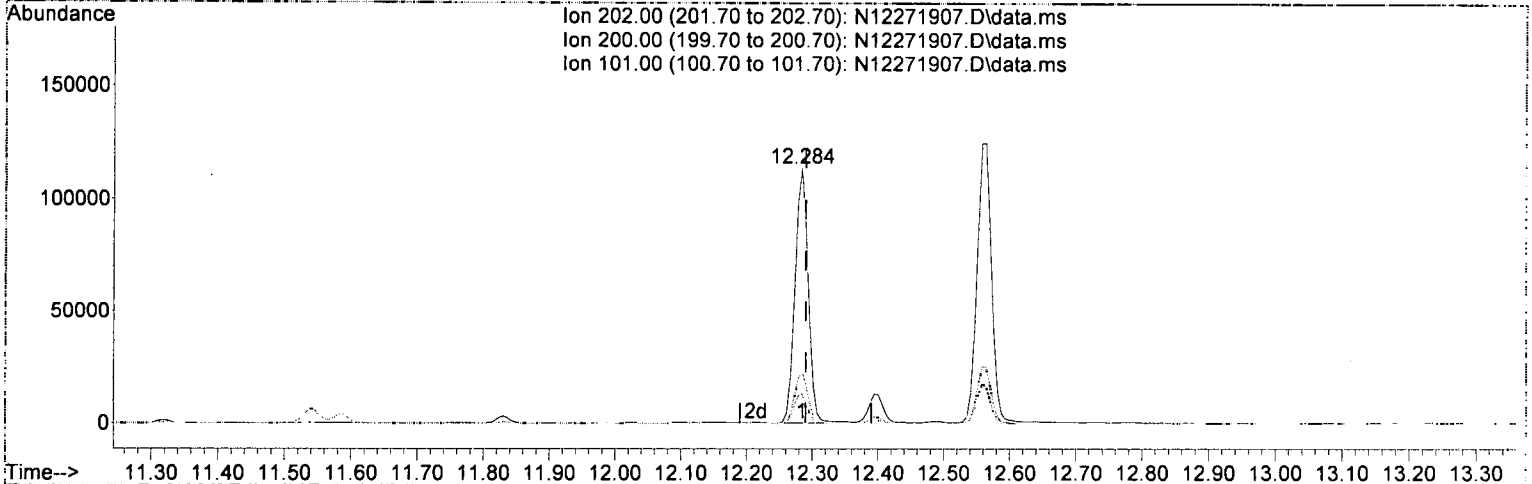
TIC: N12271907.D\data.ms

(20) Anthracene (T)		
11.089min (-0.006)	20.24 ng/ml	
response	47994	
Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.78
179.00	15.30	15.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(23) Fluoranthene (T)

12.284min (-0.006) 62.05 ng/ml

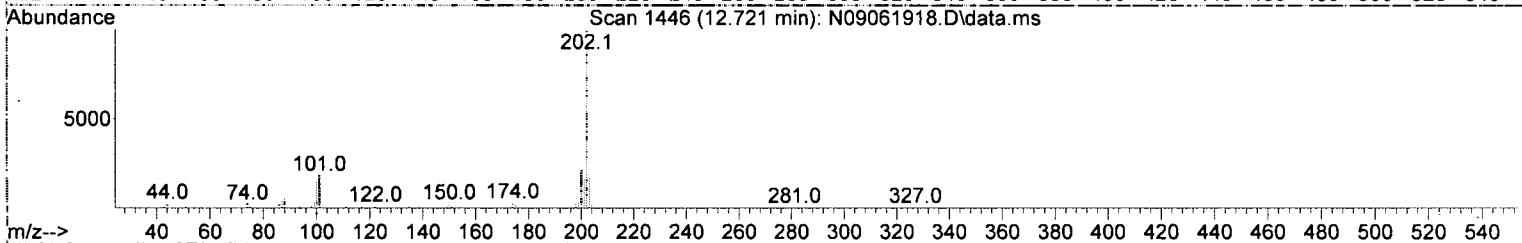
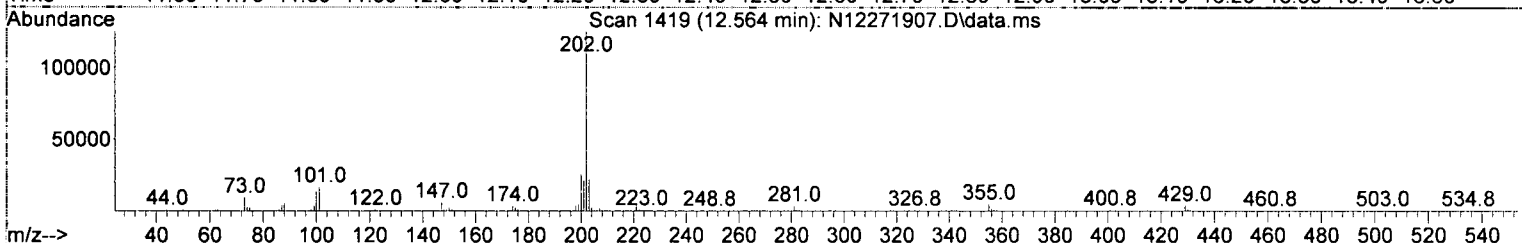
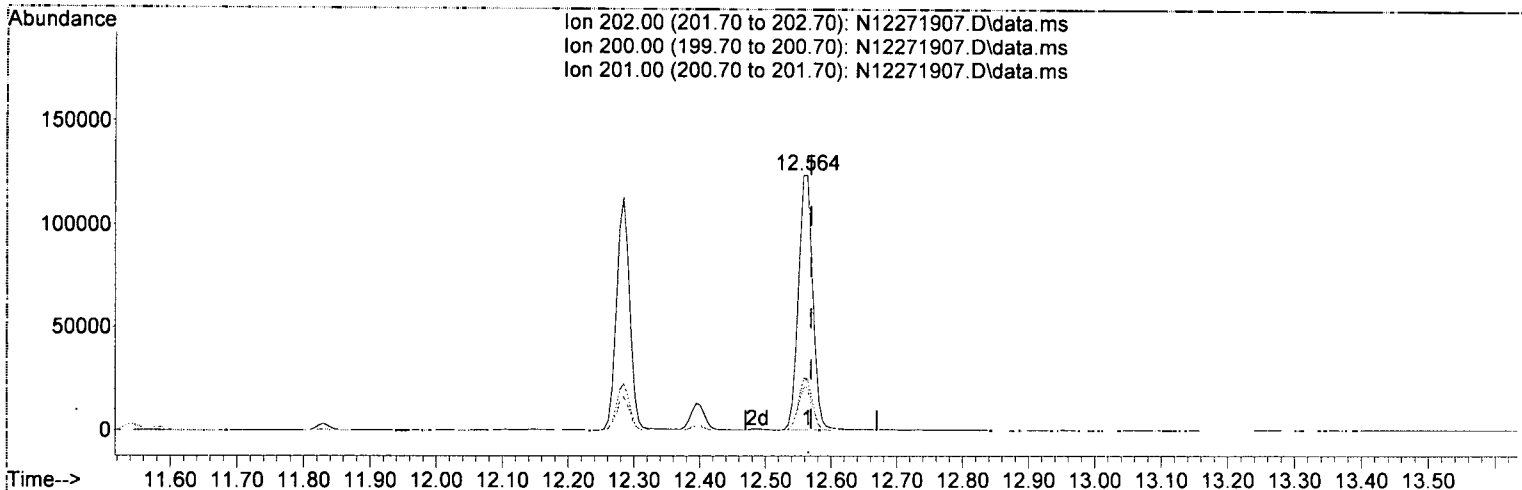
response 159351

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.26
101.00	15.30	11.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(25) Pyrene (T)

12.564min (-0.006) 58.24 ng/ml

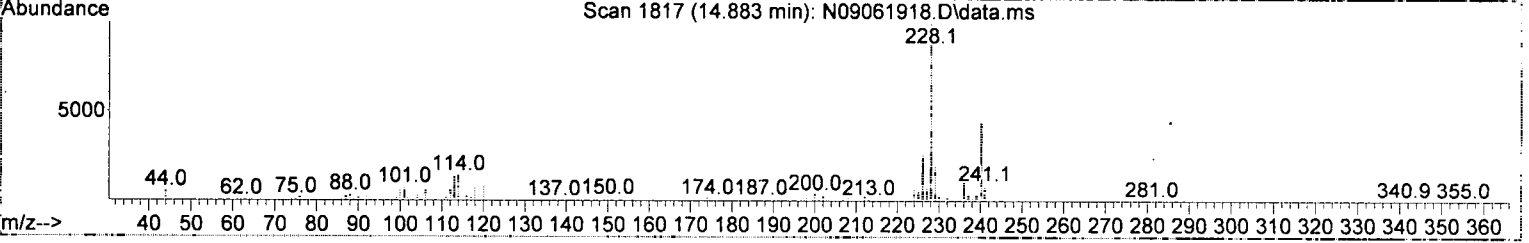
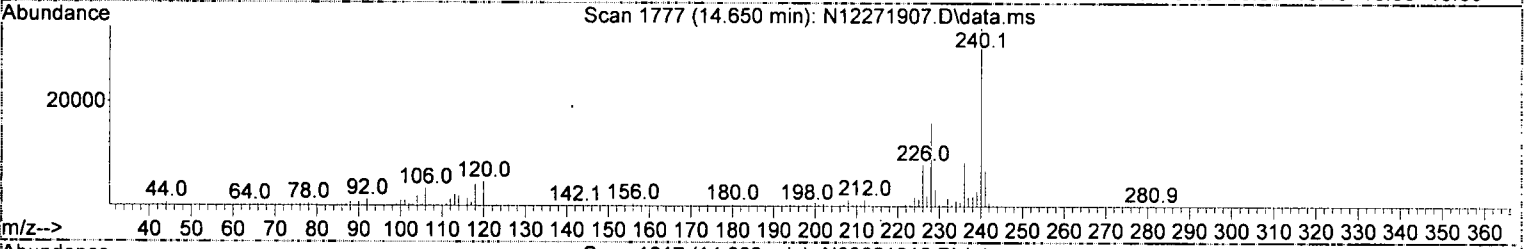
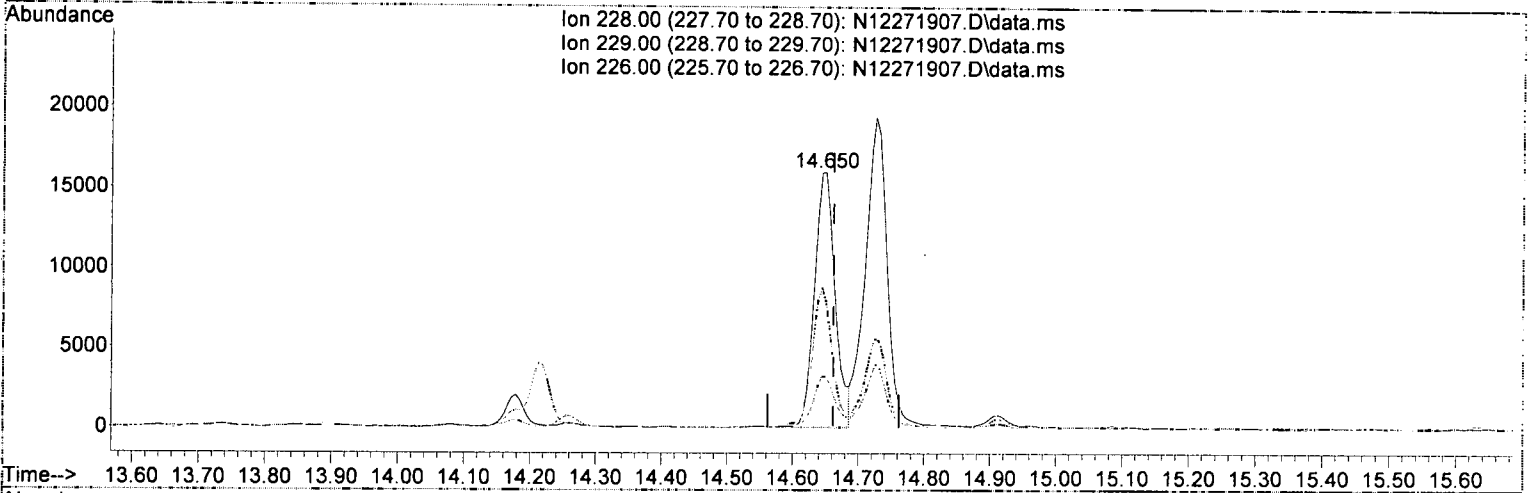
response 190767

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.20
201.00	16.80	16.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



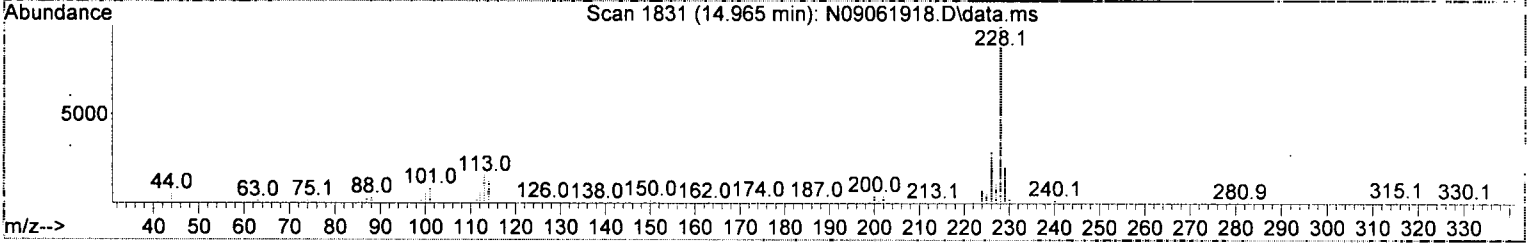
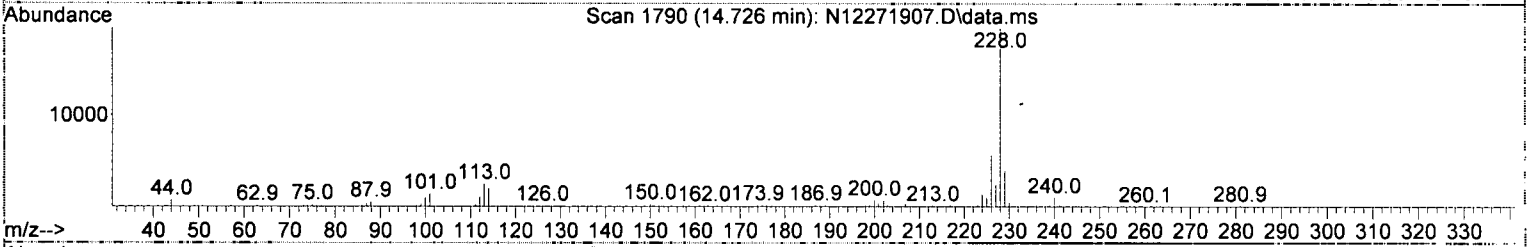
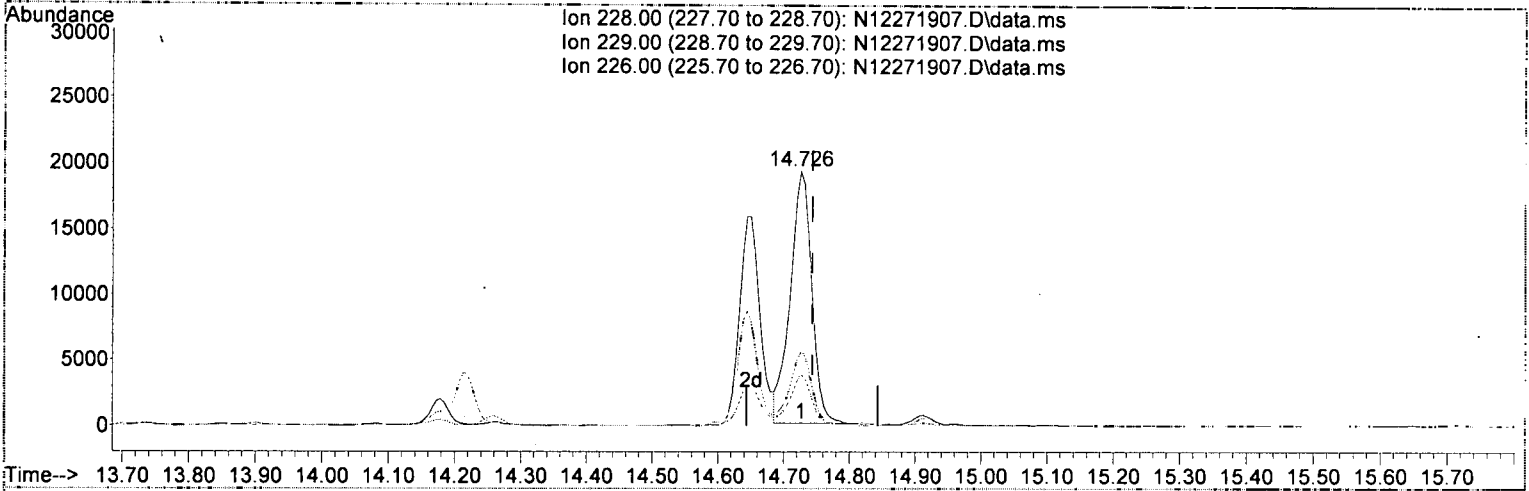
TIC: N12271907.D\data.ms

(27) Benz(a)anthracene (T)		
Time (min)	Concentration (ng/ml)	Response
14.650min (-0.012)	14.47	35223
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.22
226.00	26.20	49.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(28) Chrysene (T)

14.726min (-0.017) 19.04 ng/ml

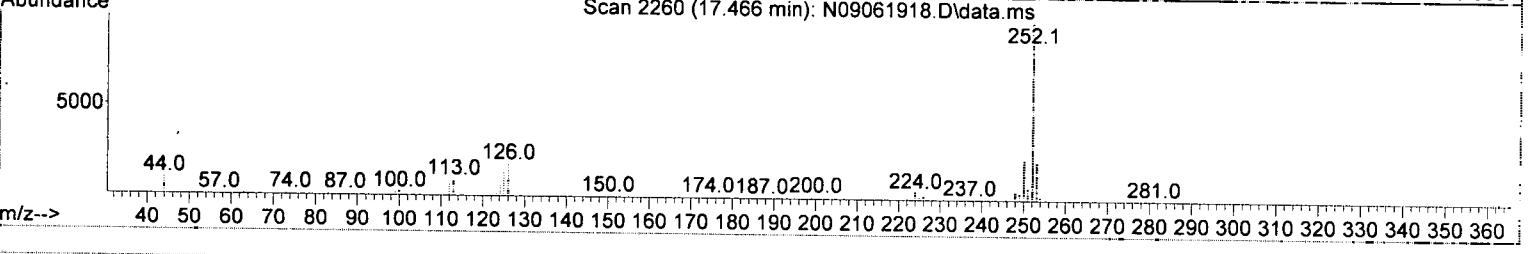
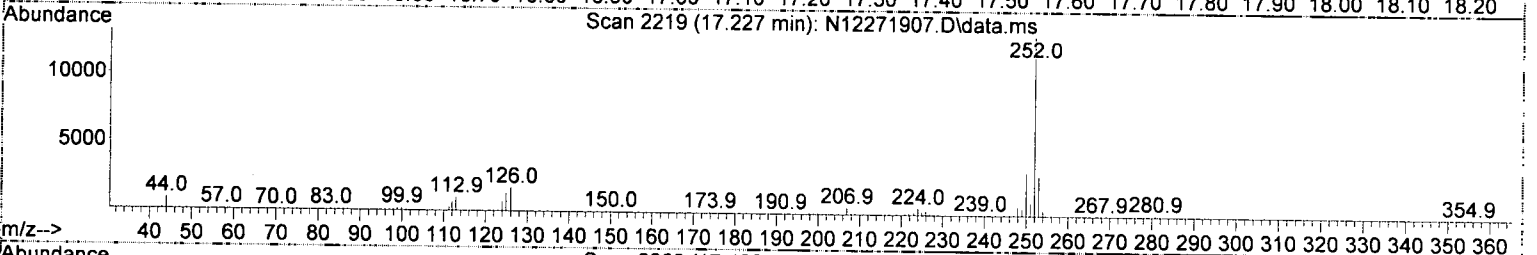
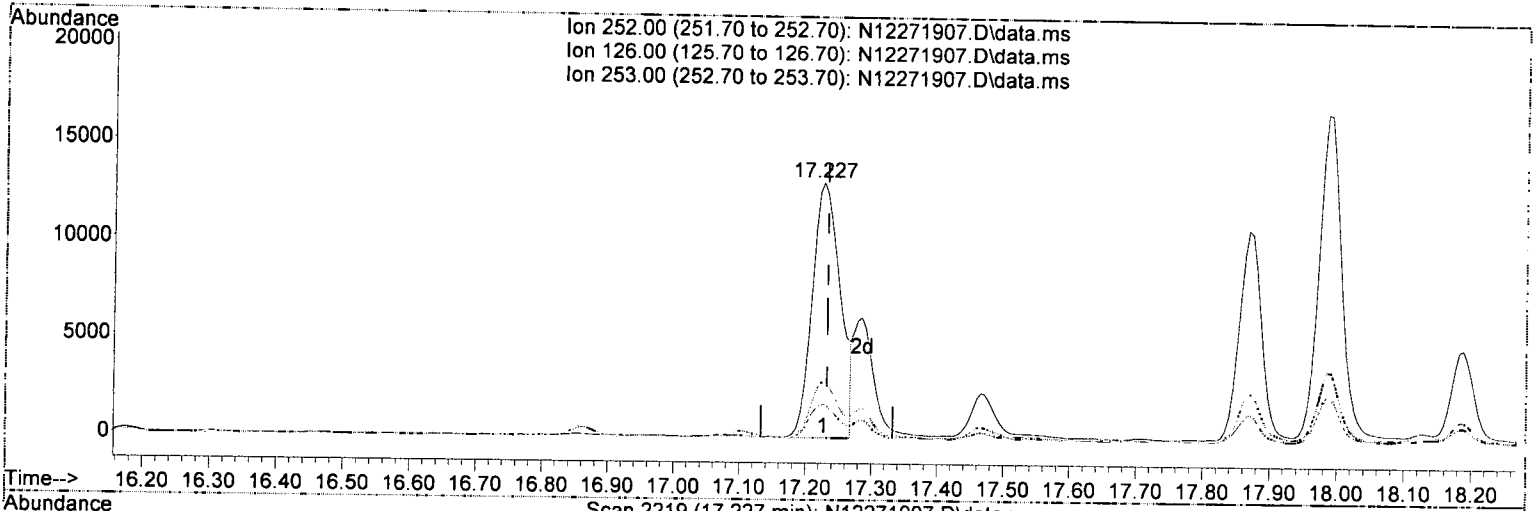
response 43868

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.19
226.00	28.60	28.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



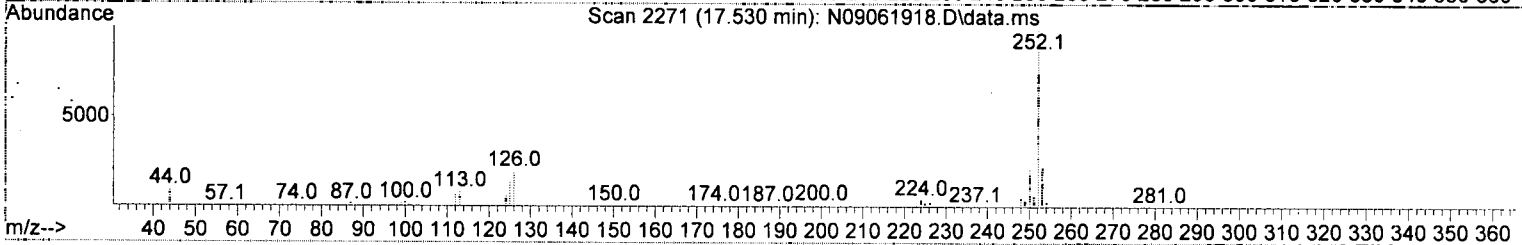
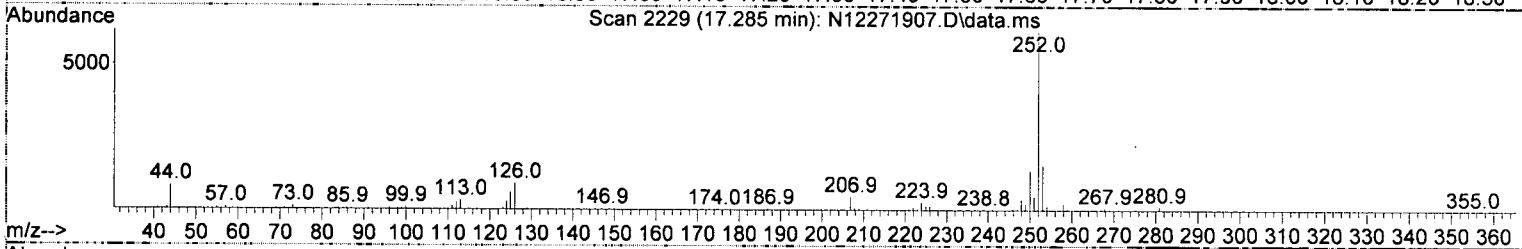
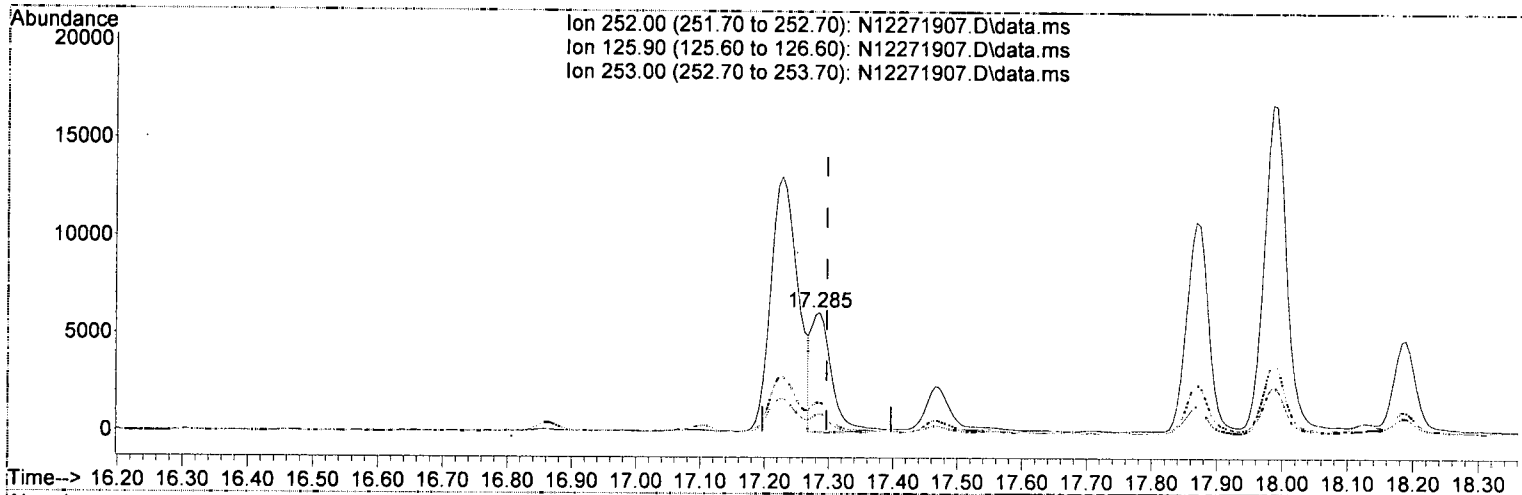
TIC: N12271907.D\data.ms

(30) Benzo(b)fluoranthene (T)		
Retention Time	Concentration	
17.227min (-0.006)	16.65 ng/ml	
response	38740	
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.19
253.00	21.10	22.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.91
253.00	21.50	25.22
0.00	0.00	0.00

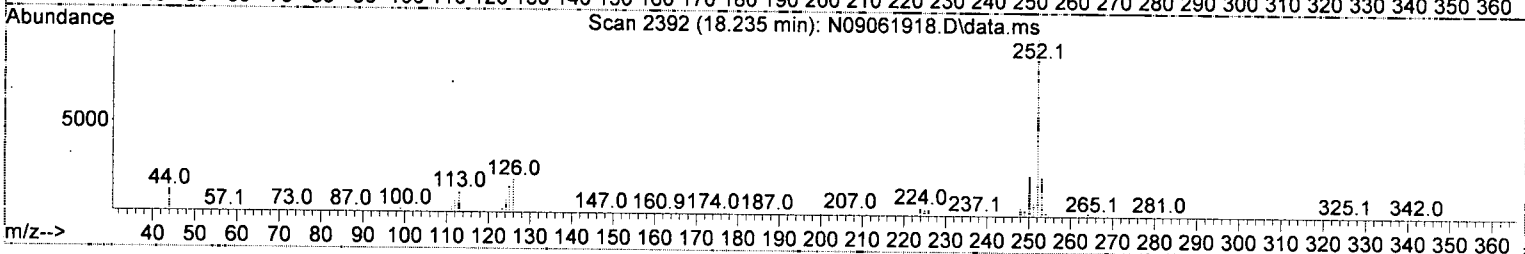
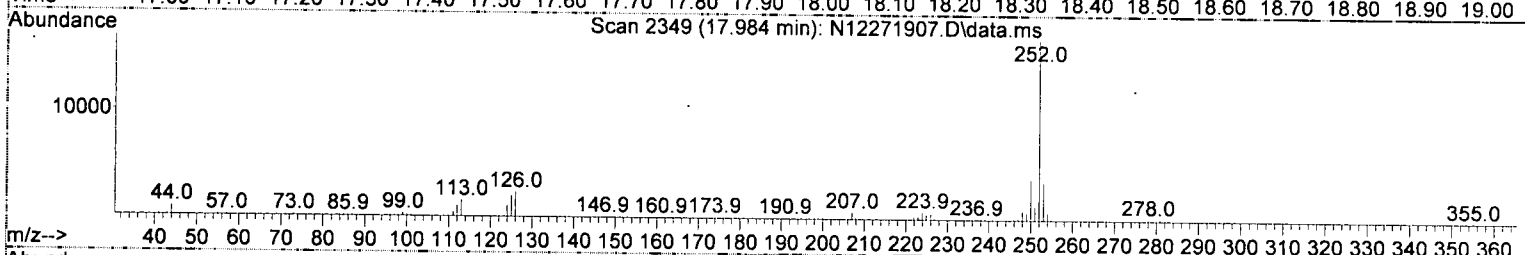
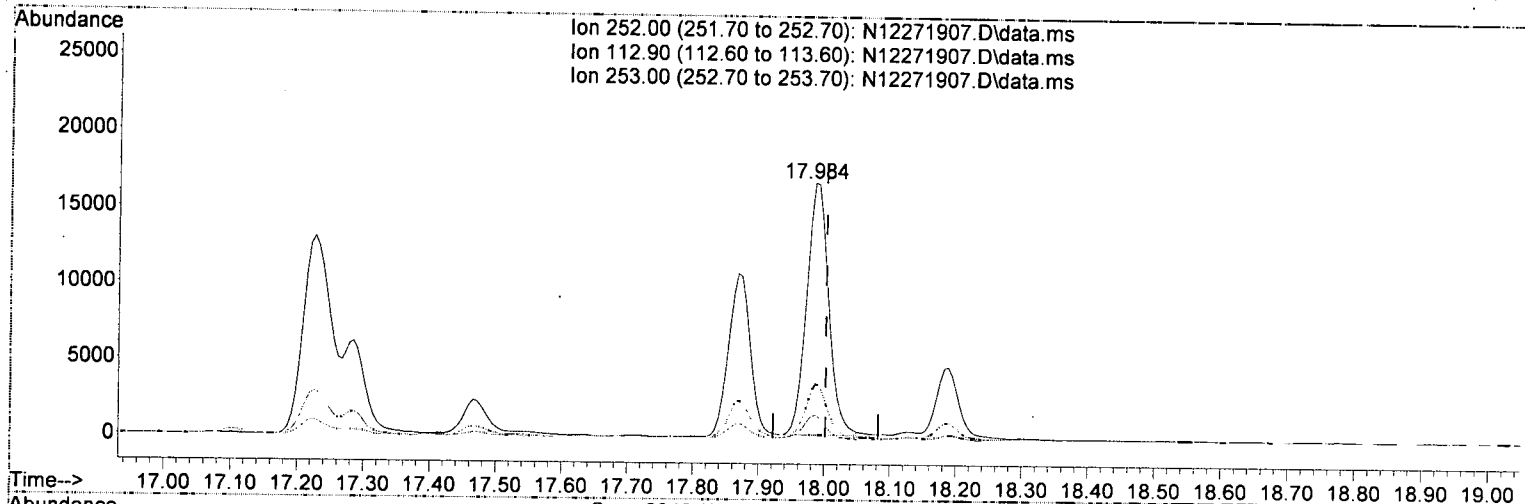
(31) Benzo(k)fluoranthene (T)
 17.285min (-0.012) 5.80 ng/ml m
 response 13298

AMS 12/30/19
MOS

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(35) Benzo(a)pyrene (T)

17.984min (-0.017) 19.47 ng/ml

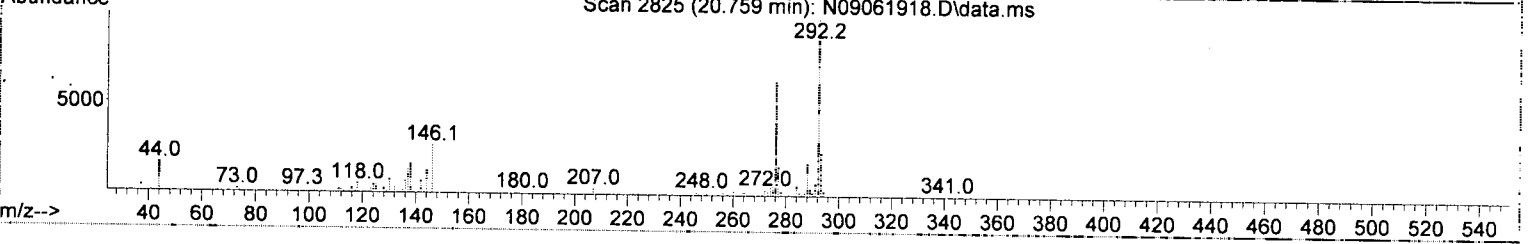
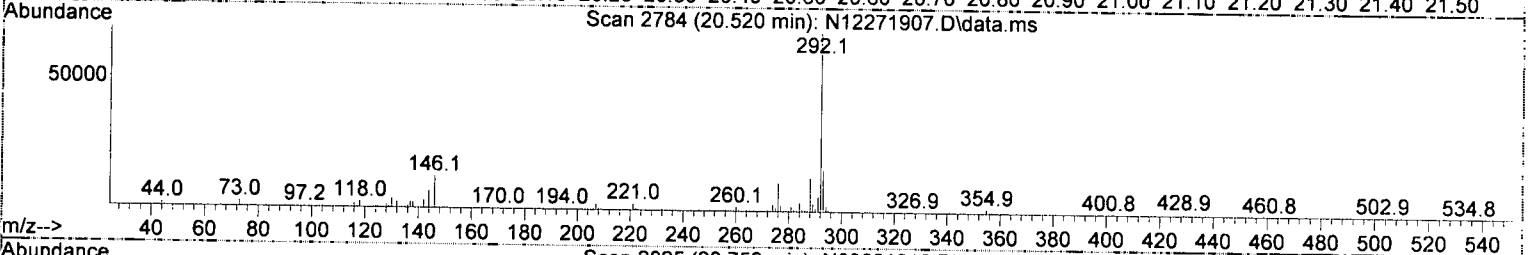
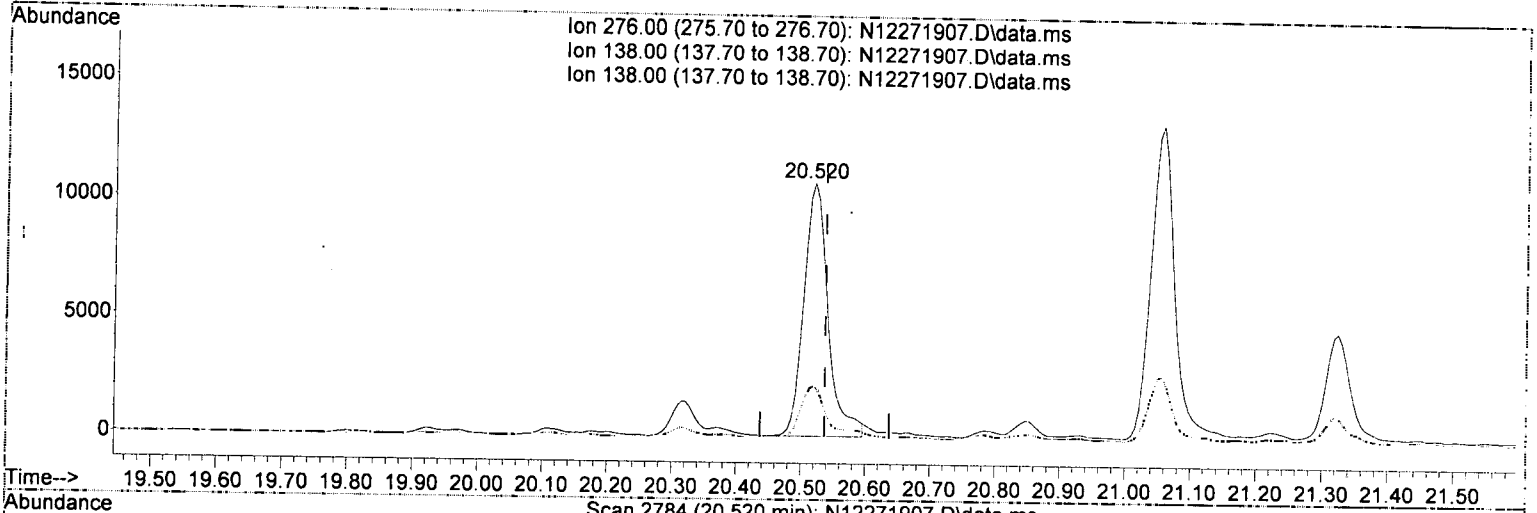
response 38784

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	9.23
253.00	21.90	21.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

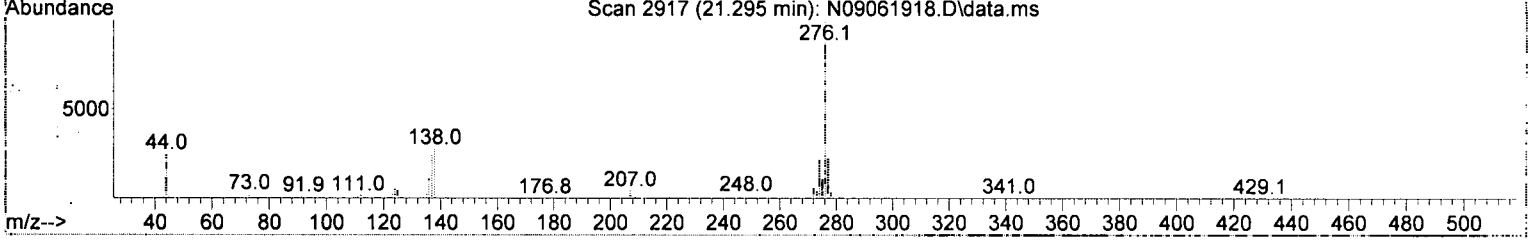
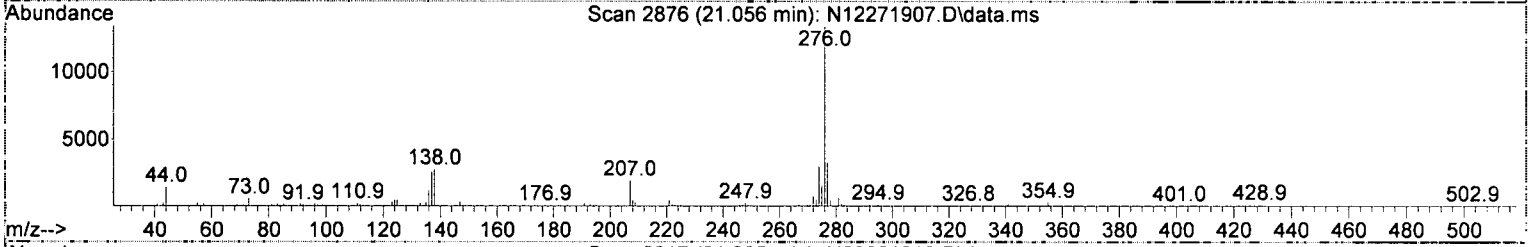
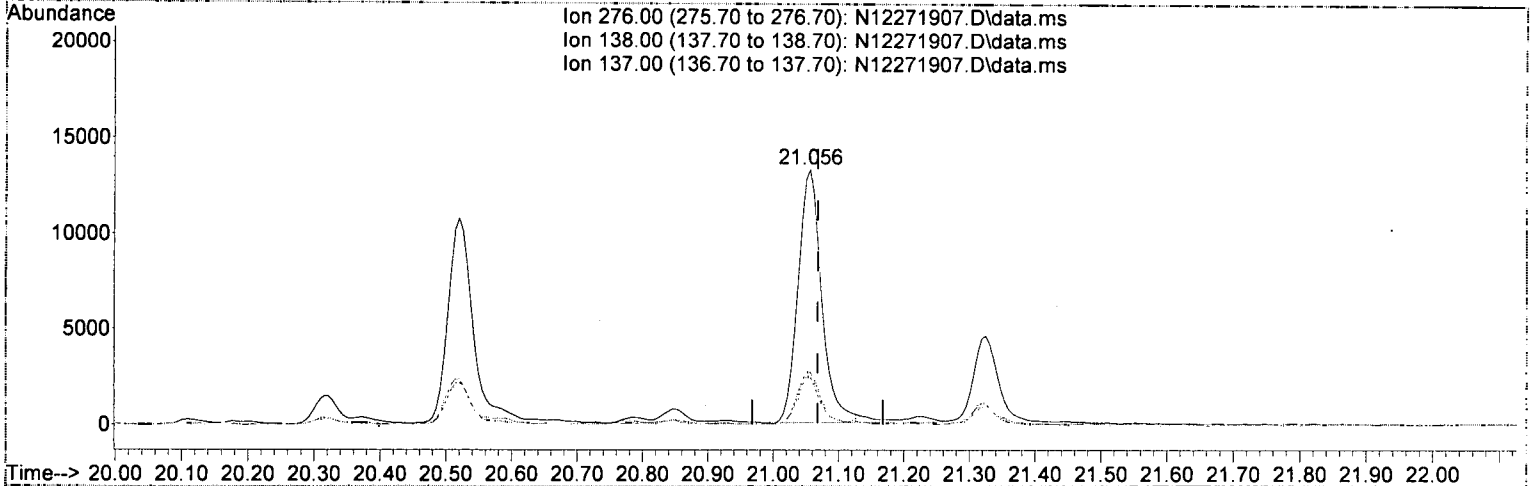
20.520min (-0.017) 12.87 ng/ml

response	Ion	Exp%	Act%
28104	276.00	100.00	100.00
	138.00	31.60	20.45
	138.00	31.60	20.45
	0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271907.D\data.ms

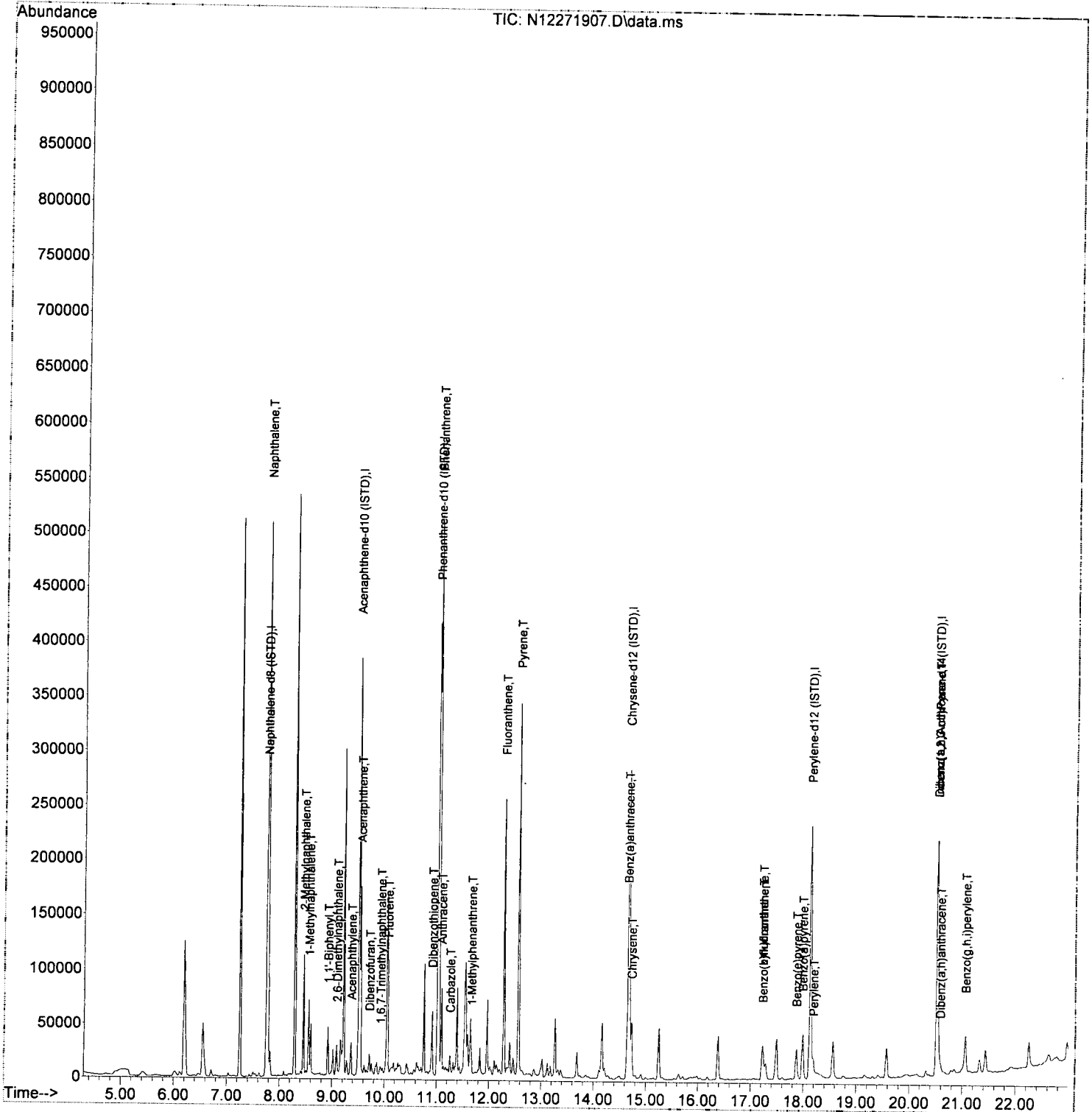
(40) Benzo(g,h,i)perylene (T)

21.056min (-0.012) 14.36 ng/ml

response	33272	
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	20.51
137.00	18.60	18.74
0.00	0.00	0.00

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271907.D
 Acq On : 27 Dec 2019 04:46 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-02@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:48 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
12/30/19

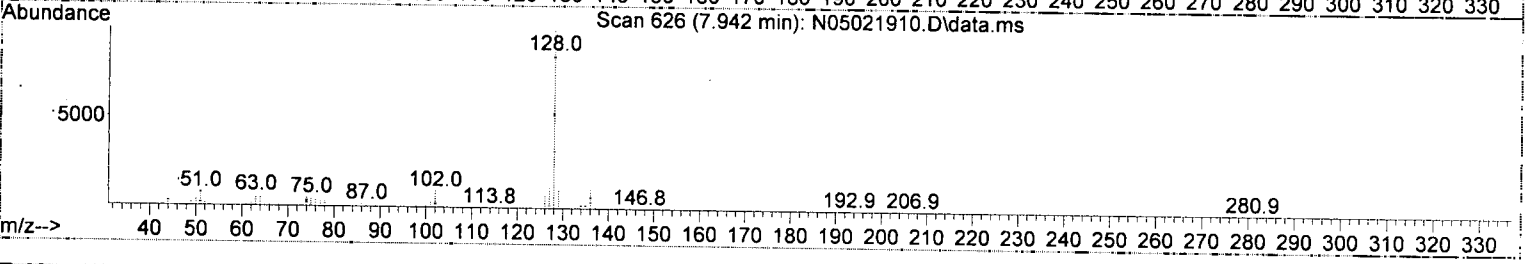
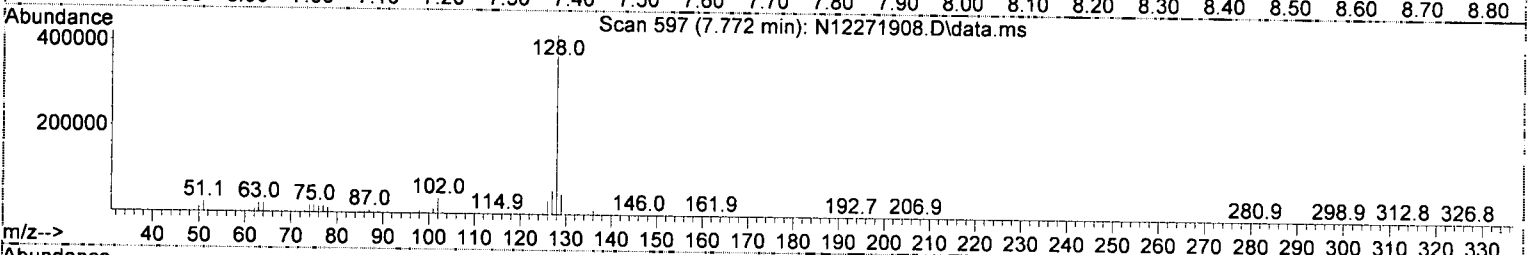
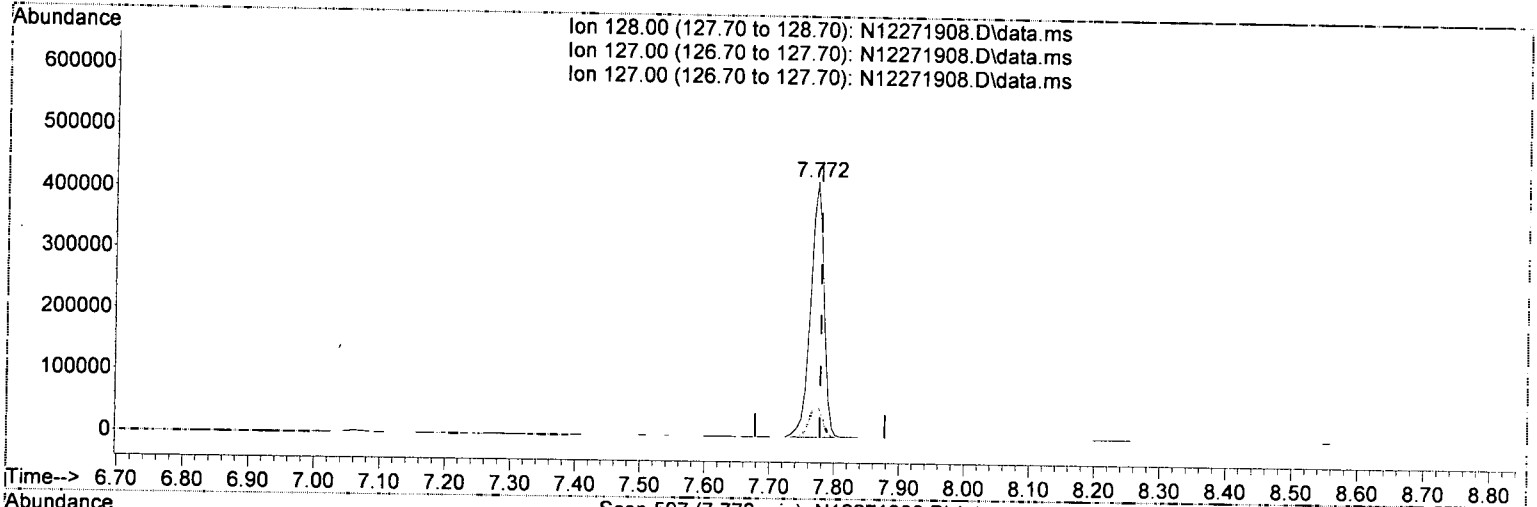
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.749	136	169789	100.00	ng/ml	-0.01	
9) Acenaphthene-d10 (ISTD)	9.503	162	114859	100.00	ng/ml	-0.01	
17) Phenanthrene-d10 (ISTD)	11.013	188	214280	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.668	240	204022	100.00	ng/ml	-0.02	
29) Perylene-d12 (ISTD)	18.130	264	204132	100.00	ng/ml	-0.01	
37) Dibenz(a,h)Anthracene-d...	20.520	292	172629	100.00	ng/ml	-0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.061	82	10480	18.58	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.821	172	36246	21.15	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.346	160	3873	0.23	ng/ml	-0.01	
26) Terphenyl-d14 (Surr)	12.756	244	43172	20.12	ng/ml	-0.01	
33) Benzo(a)pyrene d-12 (S...	17.908	264	70	0.04	ng/ml	-0.05	
Target Compounds							
3) Decalin	0.000		0				Qvalue
4) Naphthalene	7.772	128	597067	318.84	ng/ml		99
5) 2-Methylnaphthalene	8.454	142	65370	41.19	ng/ml		98
6) 1-Methylnaphthalene	8.553	142	147794	93.15	ng/ml		98
7) 1,1'-Biphenyl	8.921	154	26490	12.41	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.084	156	36809	23.62	ng/ml		98
12) Acenaphthylene	9.364	152	34167	13.70	ng/ml		94
13) Acenaphthene	9.538	153	380106	232.73	ng/ml		100
14) Dibenzofuran	9.713	168	19150	9.36	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	9.923	170	10255	7.49	ng/ml		89
16) Fluorene	10.057	166	125046	74.82	ng/ml		100
18) Dibenzothiopene	10.908	184	142441	63.56	ng/ml		96
19) Phenanthrene	11.036	178	754274	300.81	ng/ml		100
20) Anthracene	11.089	178	96086	41.20	ng/ml		99
21) Carbazole	11.252	167	158660	84.07	ng/ml		99
22) 1-Methylphenanthrene	11.660	192	13741	7.89	ng/ml		93
23) Fluoranthene	12.284	202	252979	100.14	ng/ml		96
25) Pyrene	12.563	202	290554	91.15	ng/ml		100
27) Benz(a)anthracene	14.650	228	47789	20.17	ng/ml		73
28) Chrysene	14.726	228	64848	28.93	ng/ml		97
30) Benzo(b)fluoranthene	17.226	252	55321	23.49	ng/ml		92
31) Benzo(k)fluoranthene	17.226	252	68367	29.48	ng/ml		90
32) Benzo(b+k)fluoranthene	17.226	252	76839	31.89	ng/ml		90
34) Benzo(e)pyrene	17.868	252	36052	15.14	ng/ml		99
35) Benzo(a)pyrene	17.990	252	55070	27.32	ng/ml		98
36) Perylene	18.188	252	26042	10.49	ng/ml		97
38) Indeno(1,2,3-cd)Pyrene	20.520	276	37750	17.73	ng/ml		81
39) Dibenz(a,h)anthracene	20.584	278	4412	2.21	ng/ml		98
40) Benzo(g,h,i)perylene	21.056	276	46334	20.52	ng/ml		98

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

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(4) Naphthalene (T)

7.772min (-0.006) 318.84 ng/ml

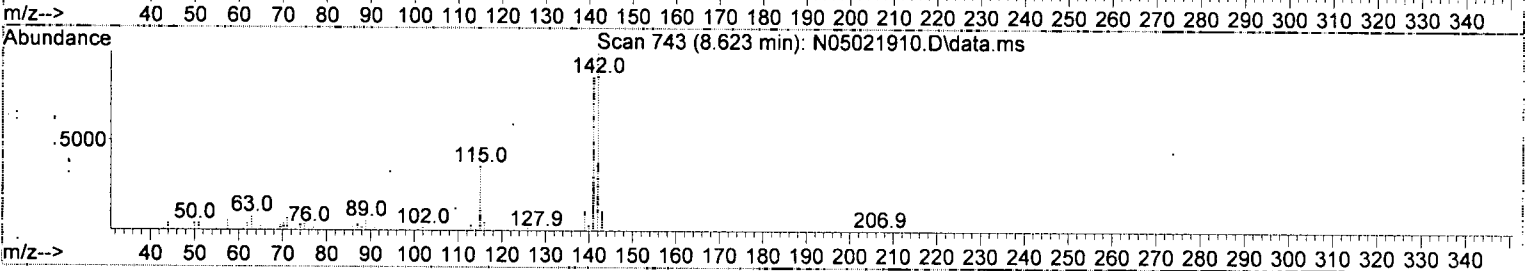
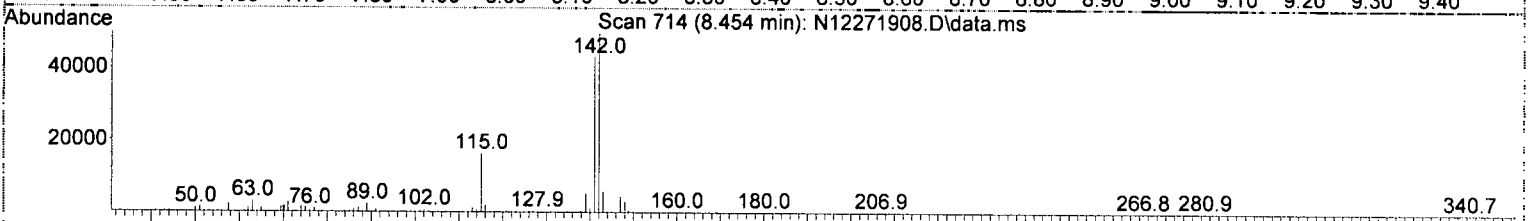
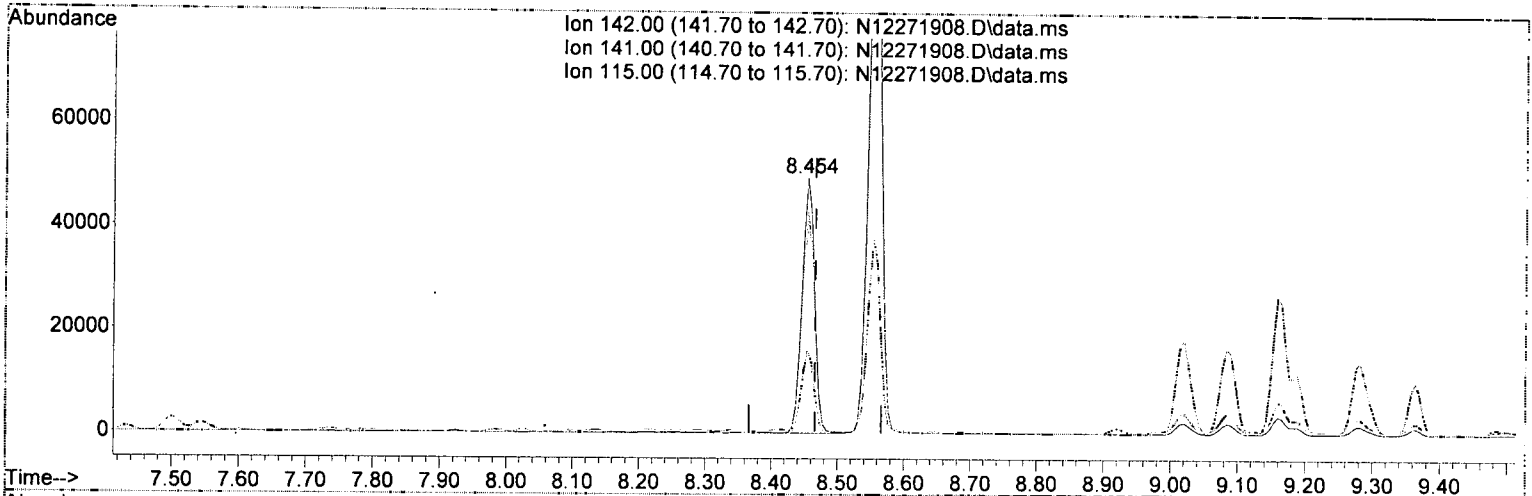
response 597067

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	12.98
127.00	12.60	12.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(5) 2-Methylnaphthalene (T)

8.454min (-0.012) 41.19 ng/ml

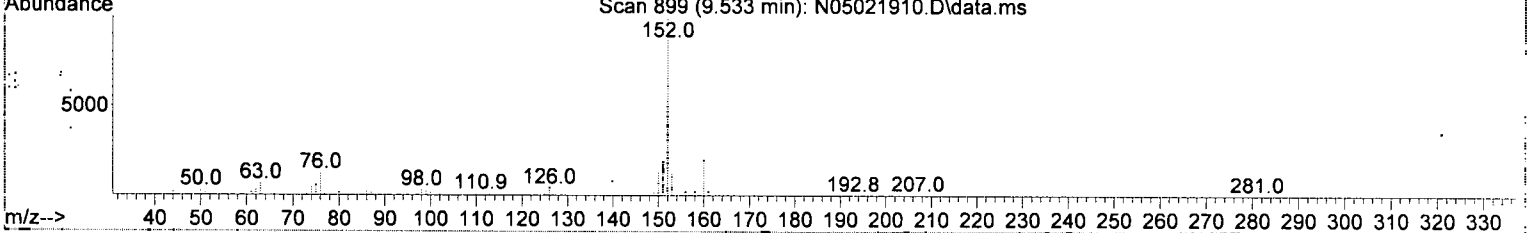
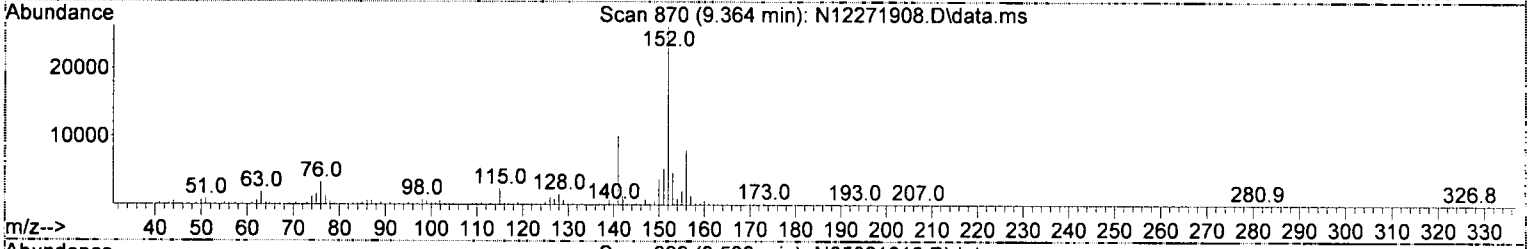
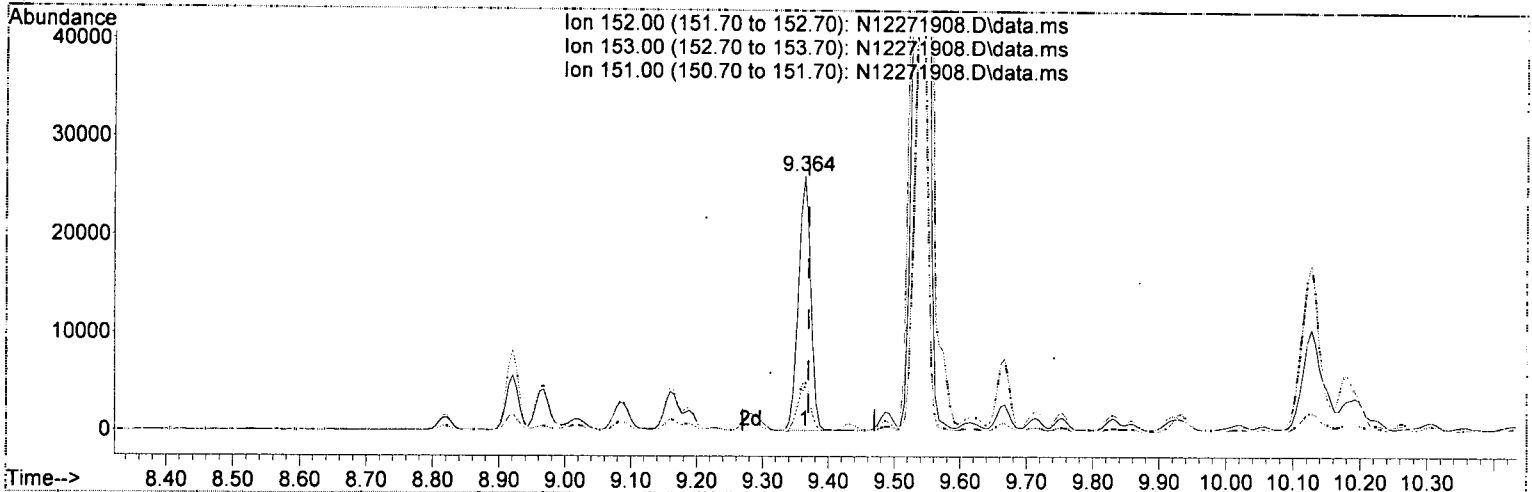
response 65370

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.00
115.00	35.70	32.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(12) Acenaphthylene (T)

9.364min (-0.006) 13.70 ng/ml

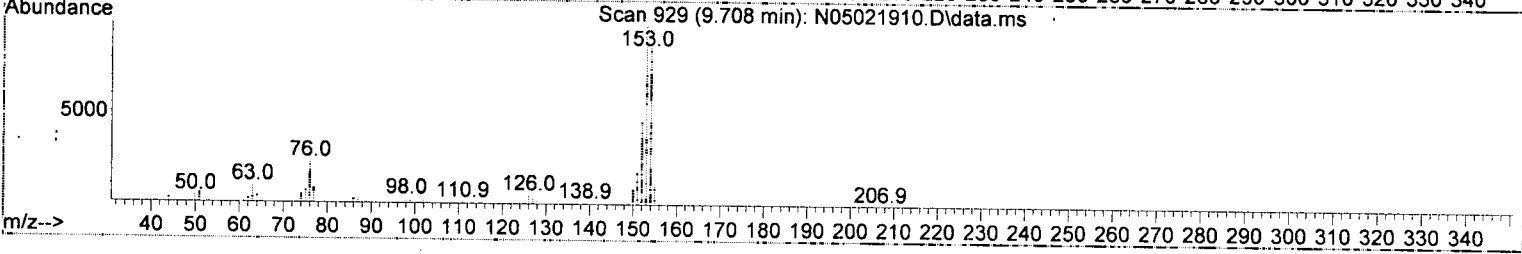
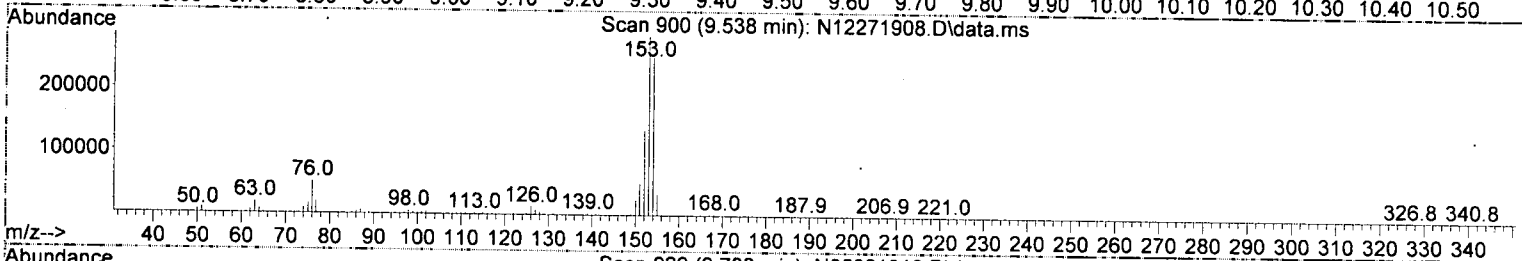
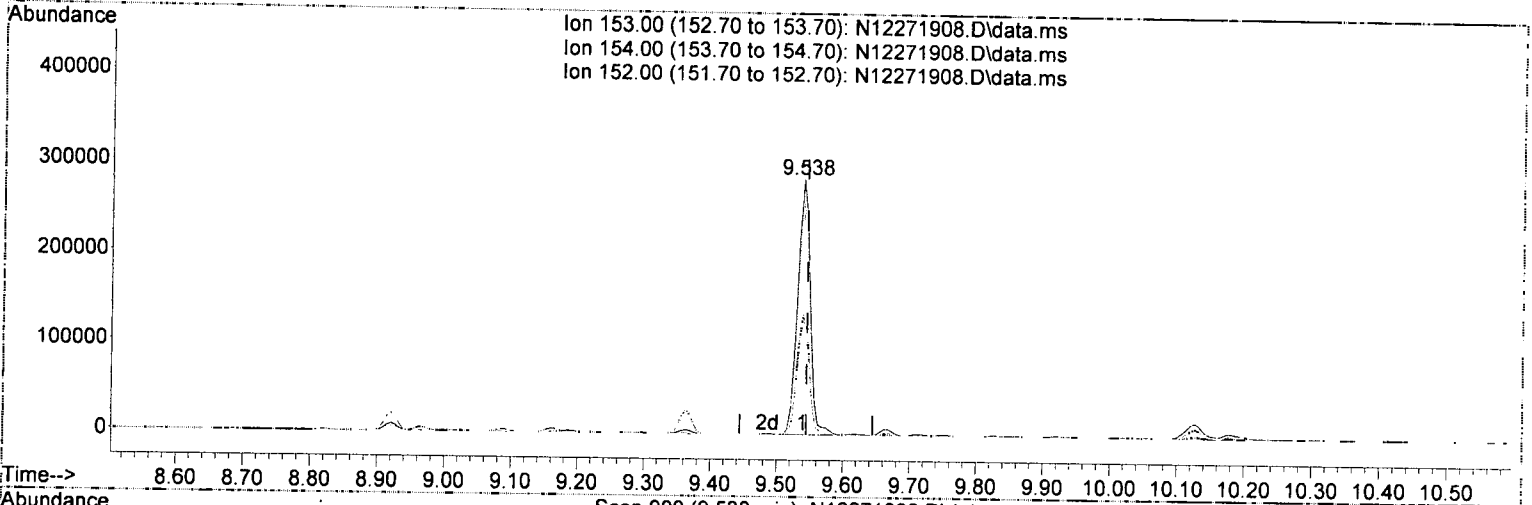
response 34167

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	17.74
151.00	19.30	20.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(13) Acenaphthene (T)

9.538min (-0.006) 232.73 ng/ml

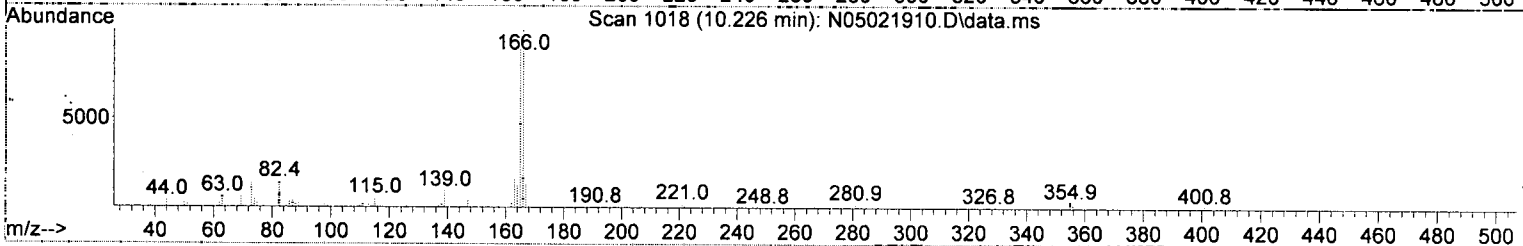
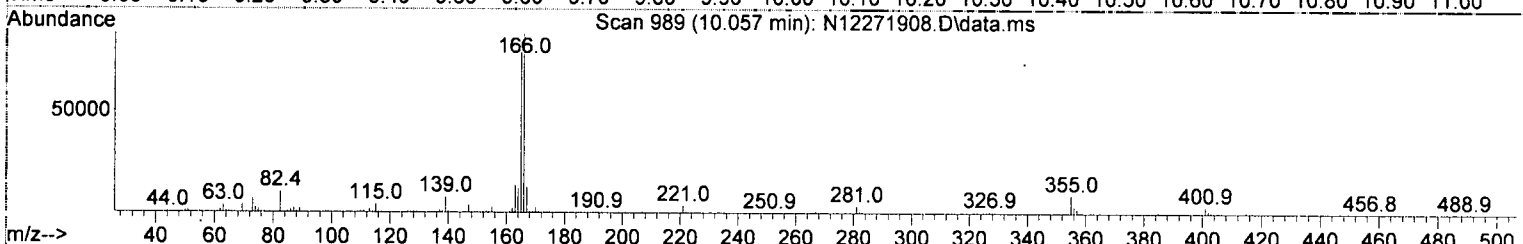
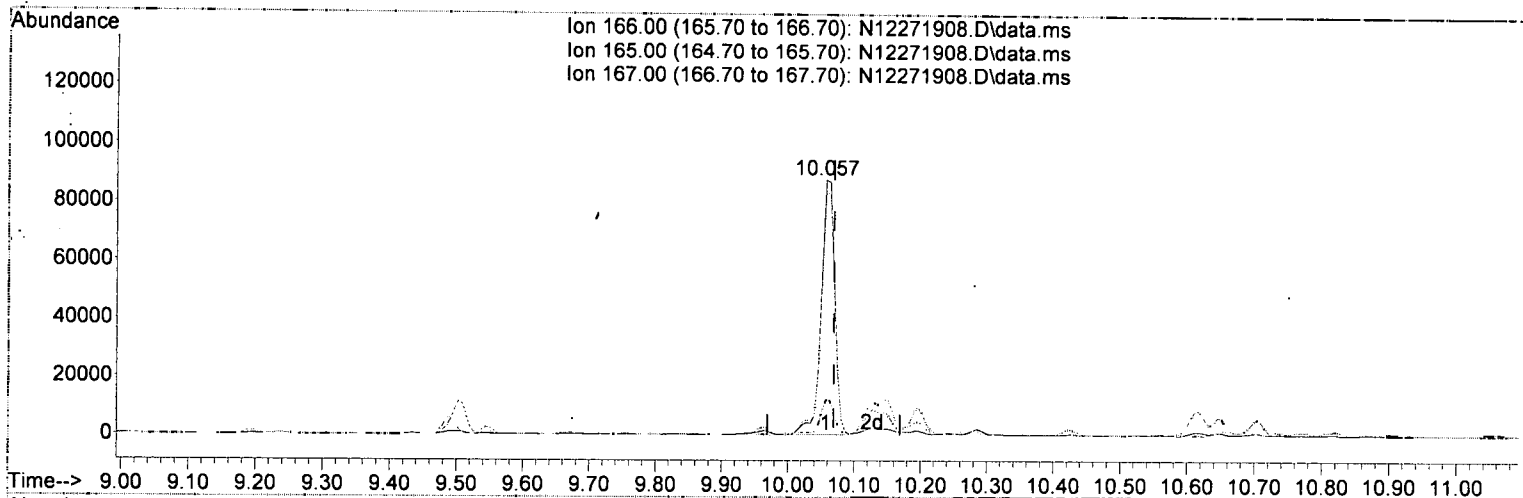
response 380106

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.67
152.00	46.80	47.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(16) Fluorene (T)

10.057min (-0.012) 74.82 ng/ml

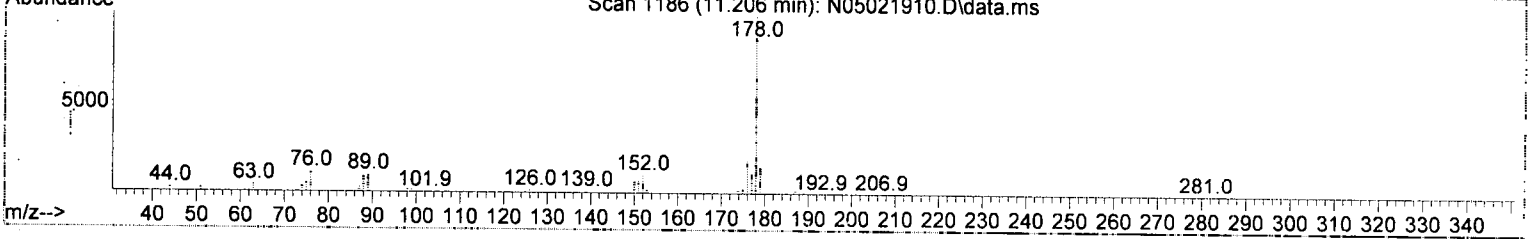
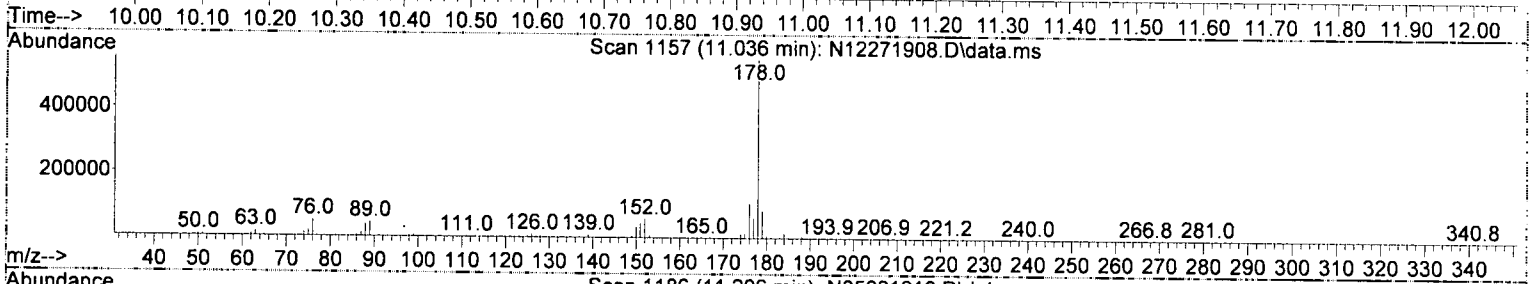
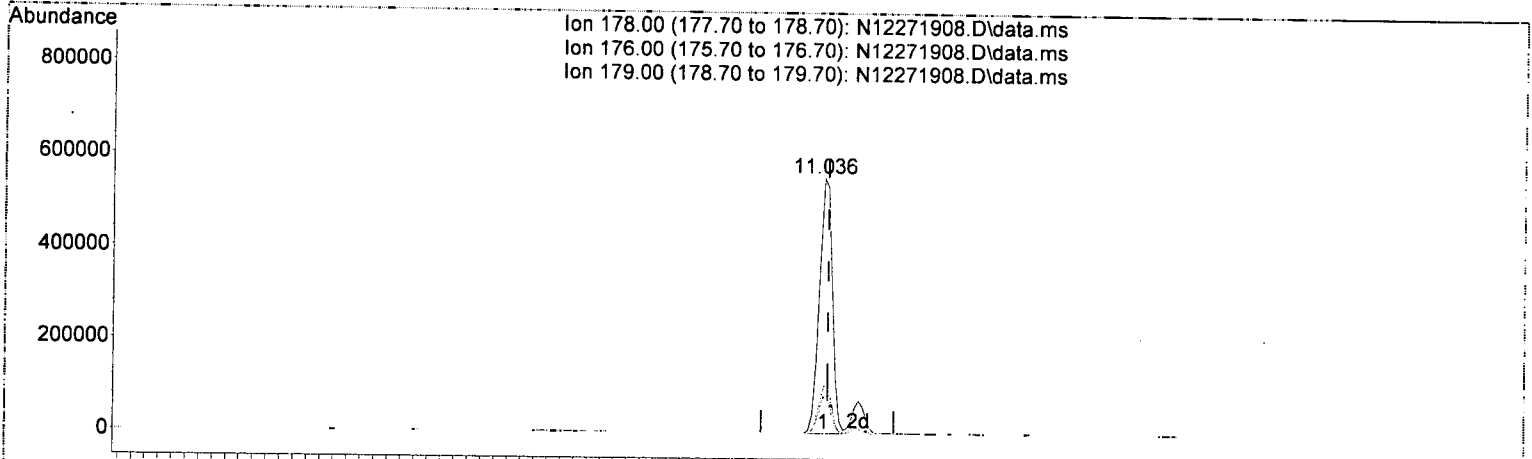
response 125046

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	95.62
167.00	13.60	14.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(19) Phenanthrene (T)

11.036min (-0.006) 300.81 ng/ml

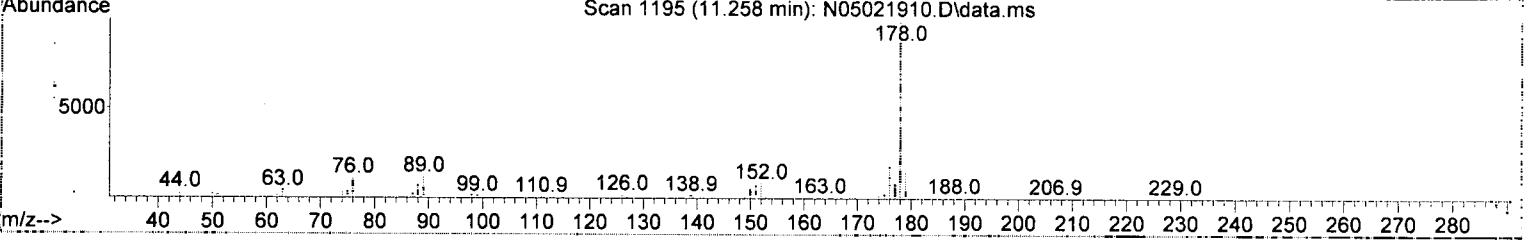
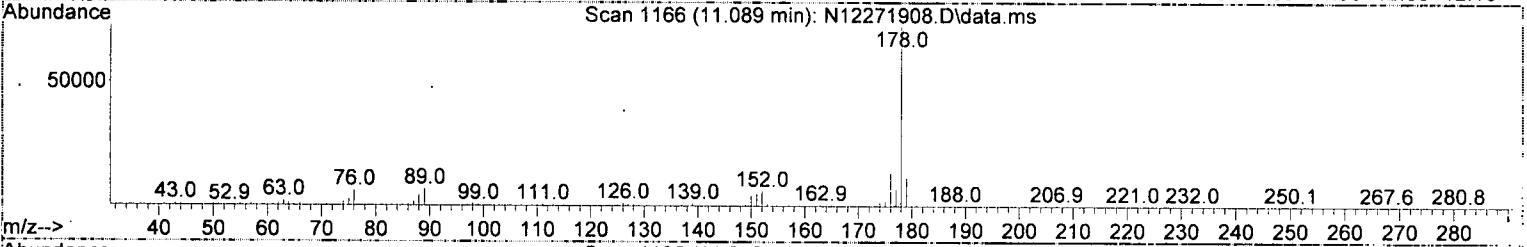
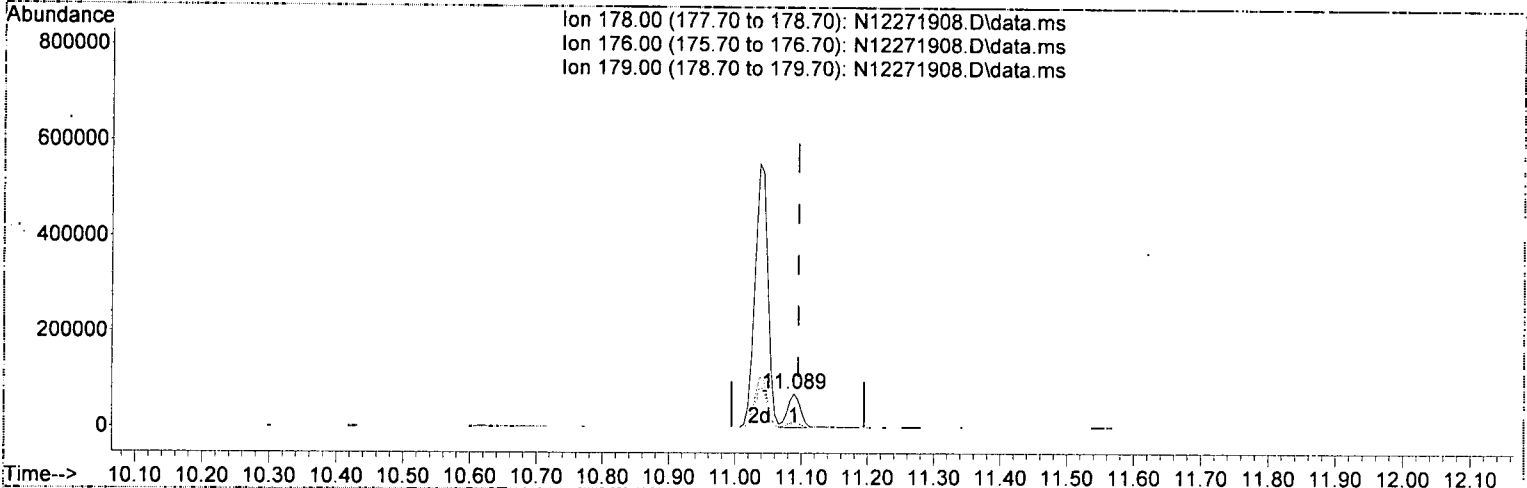
response 754274

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.08
179.00	15.10	15.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(20) Anthracene (T)

11.089min (-0.006) 41.20 ng/ml

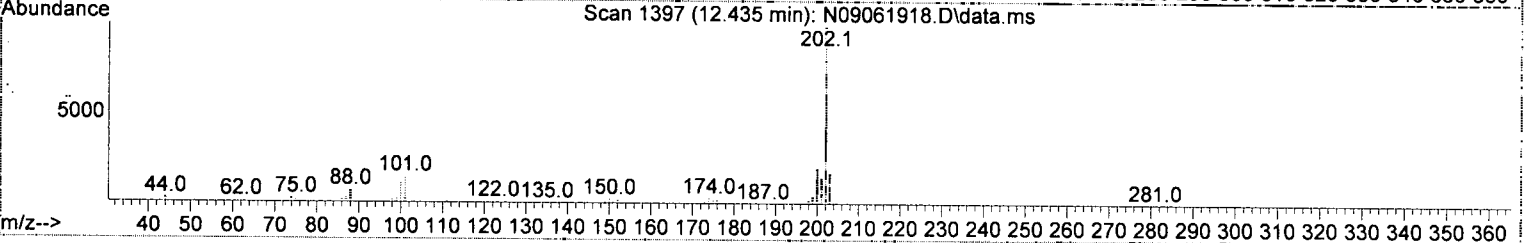
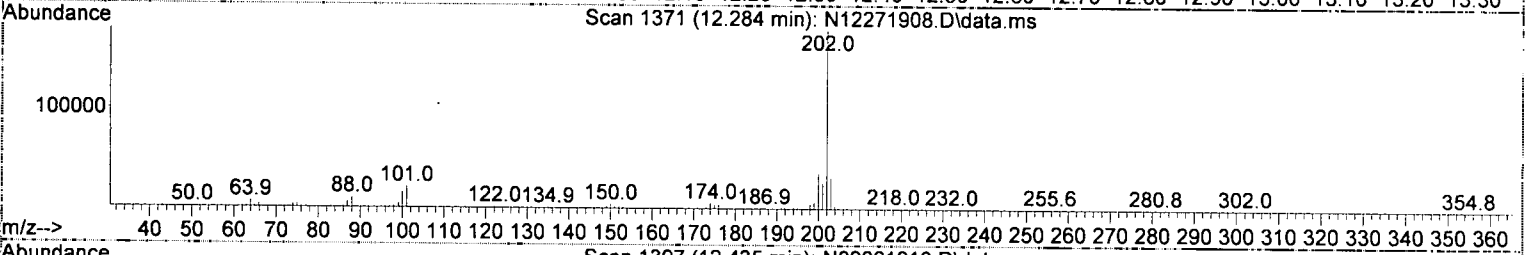
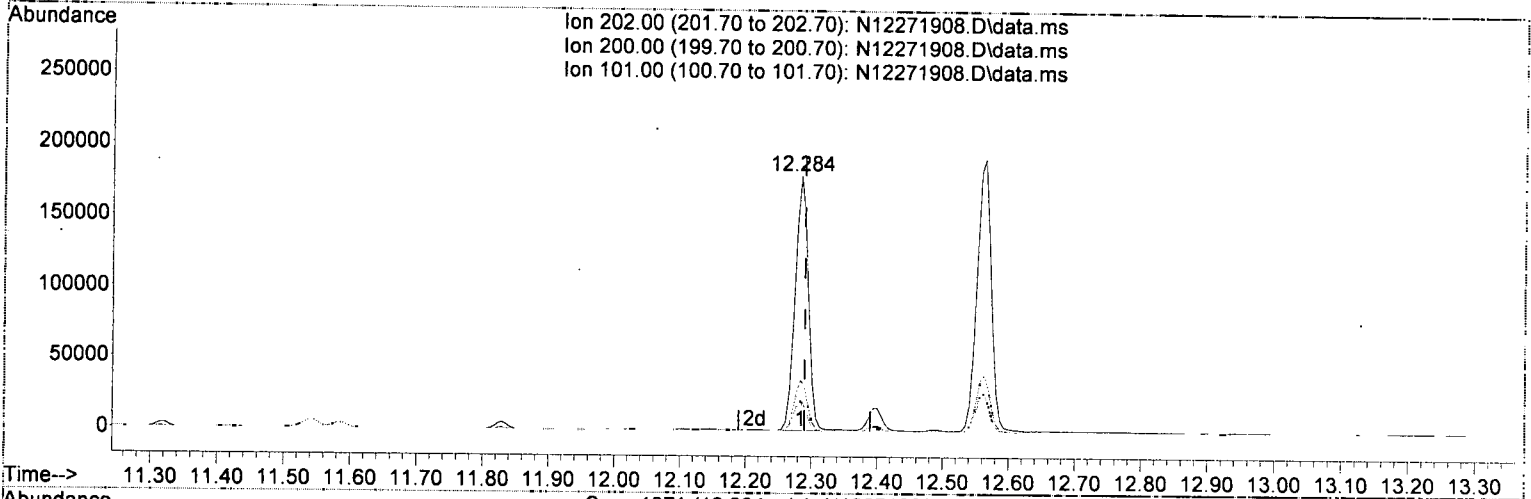
response 96086

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.36
179.00	15.30	15.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



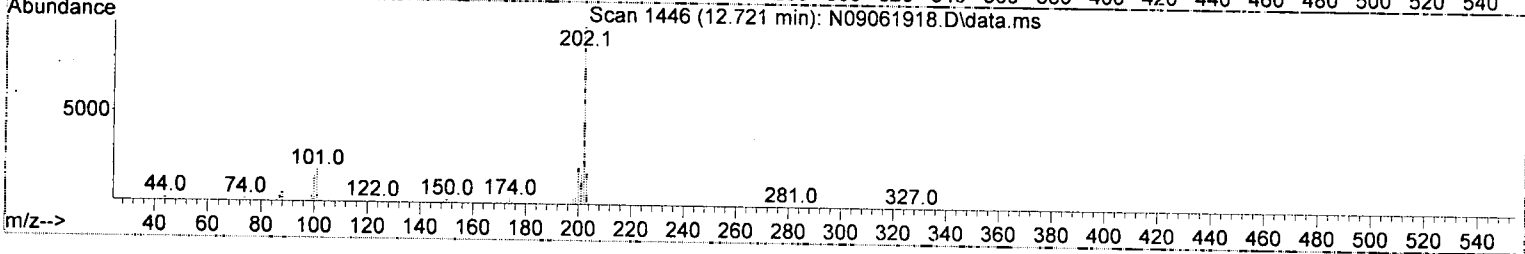
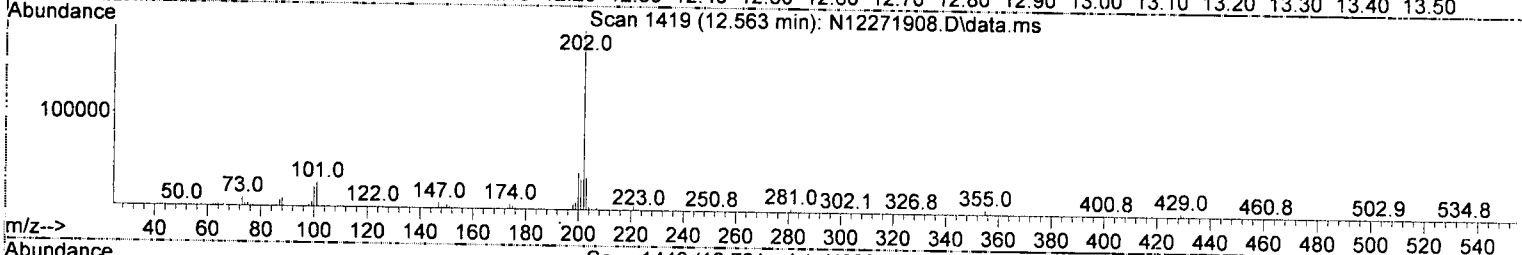
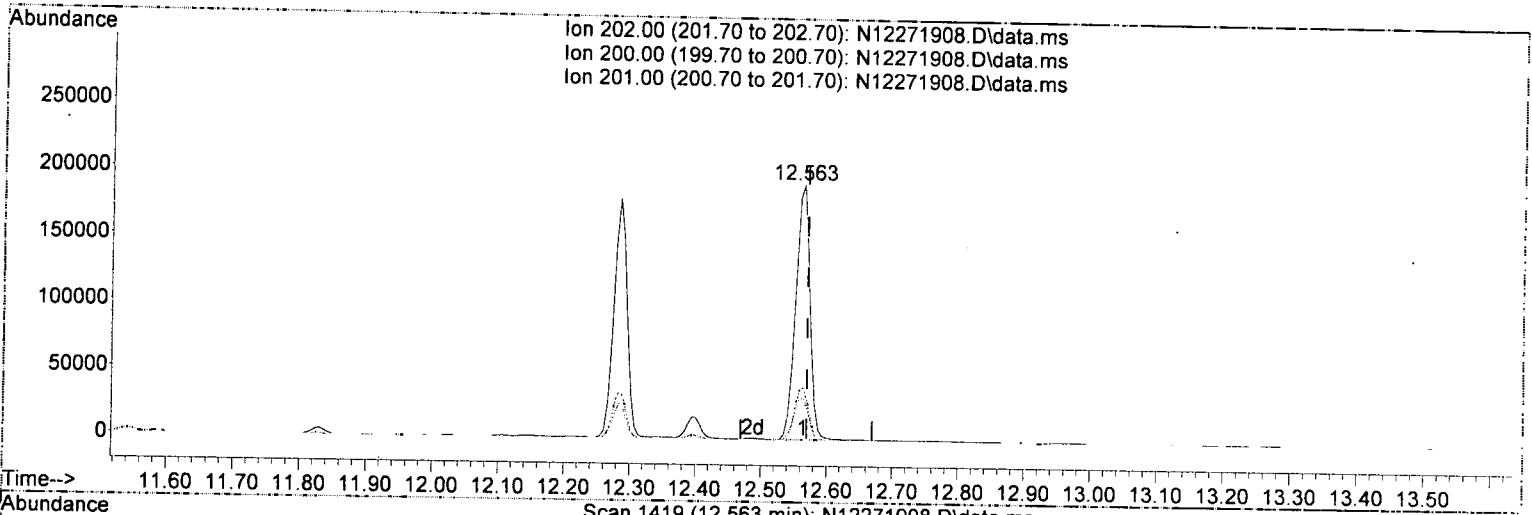
TIC: N12271908.D\data.ms

(23) Fluoranthene (T)		
12.284min (-0.006)	100.14 ng/ml	
response	252979	
Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.91
101.00	15.30	11.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(25) Pyrene (T)

12.563min (-0.006) 91.15 ng/ml

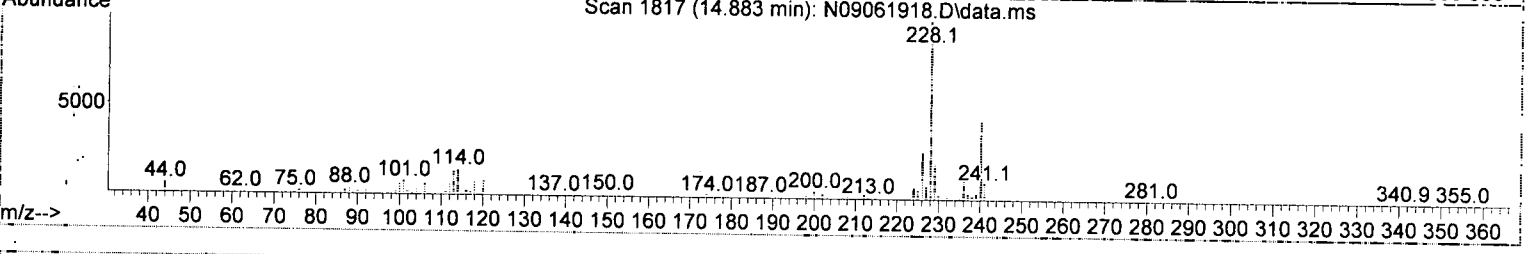
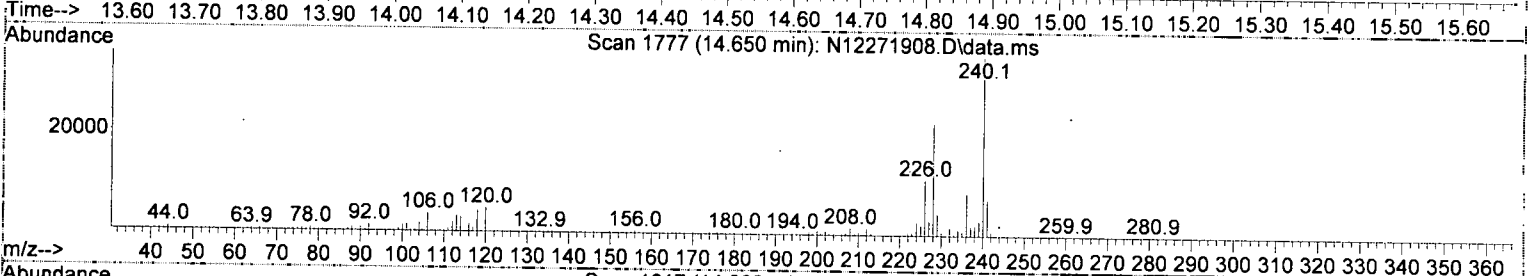
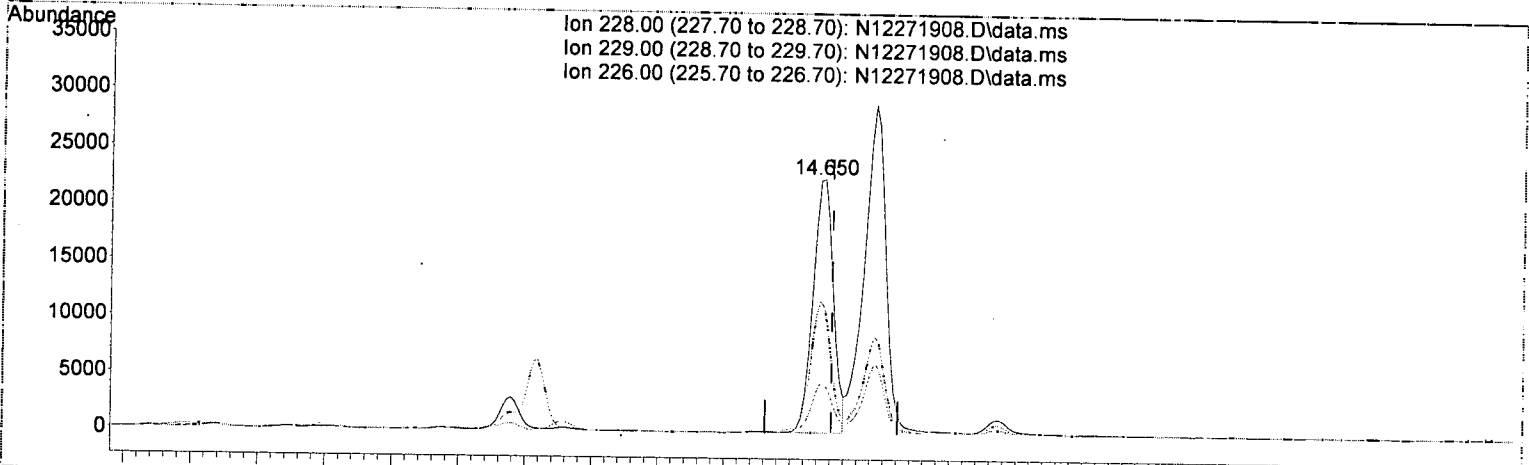
response 290554

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.53
201.00	16.80	16.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(27) Benz(a)anthracene (T)

14.650min (-0.012) 20.17 ng/ml

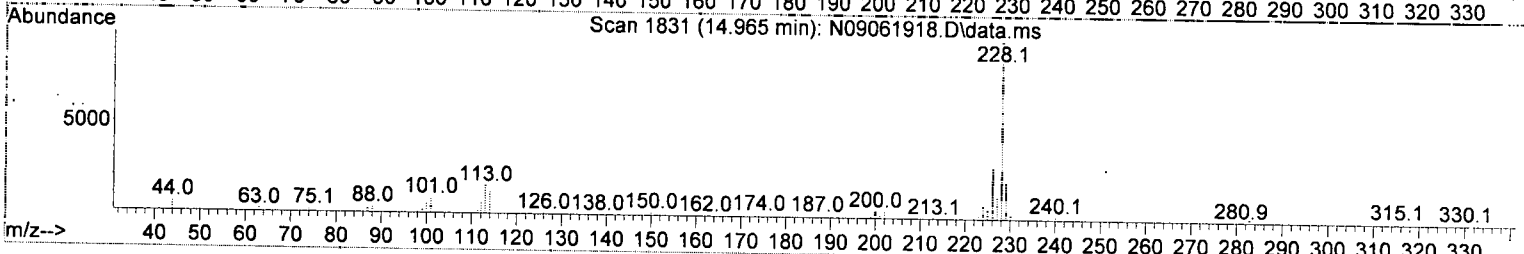
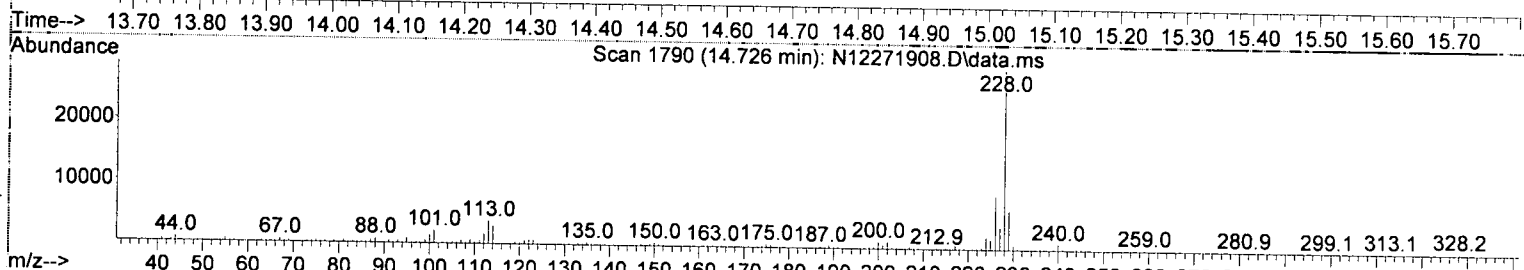
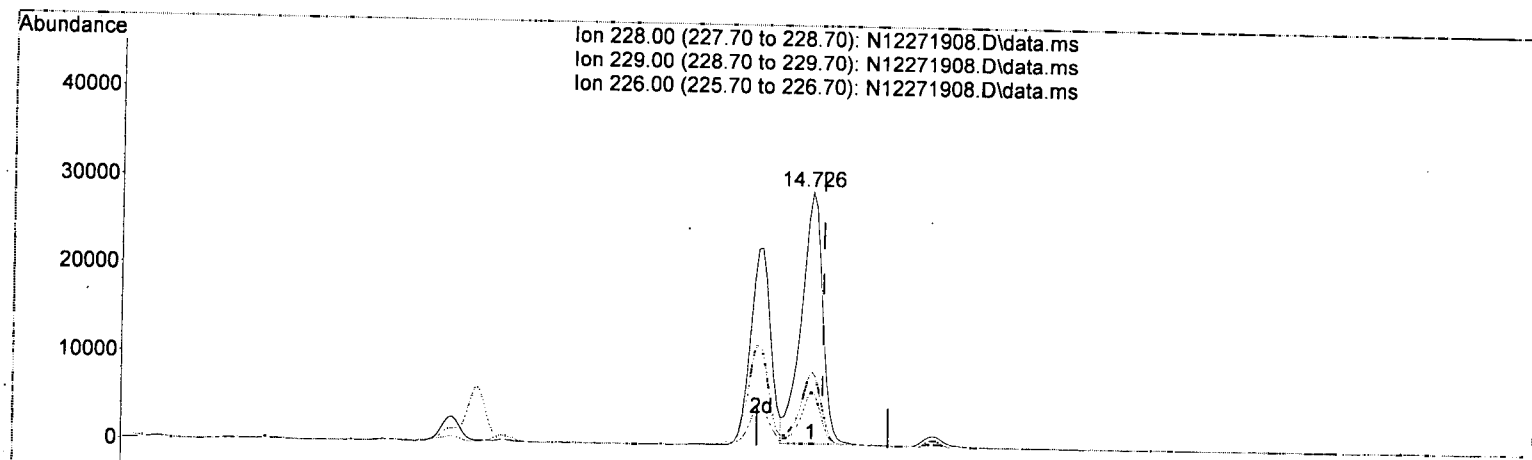
response 47789

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	19.74
226.00	26.20	49.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



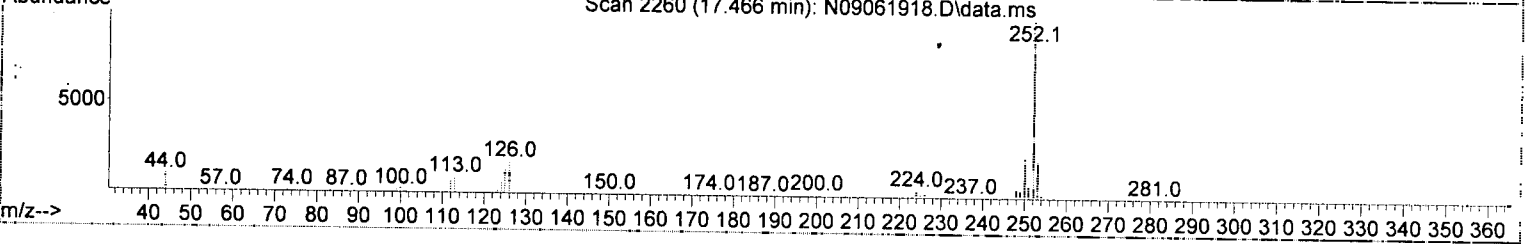
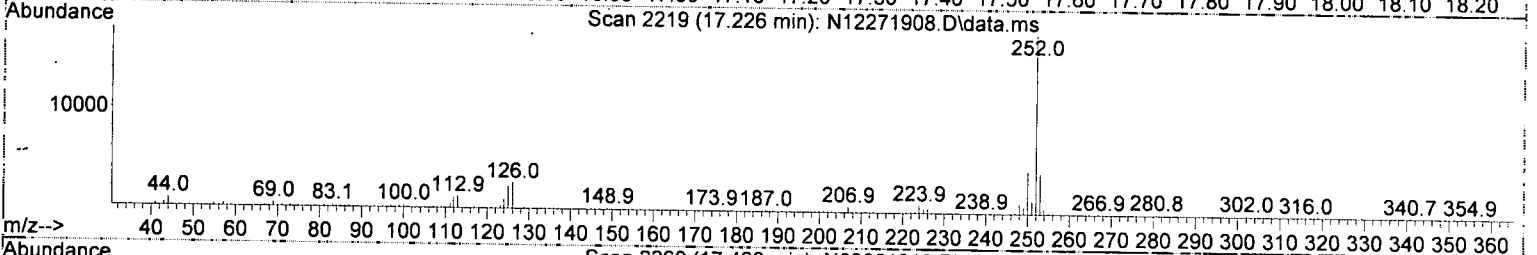
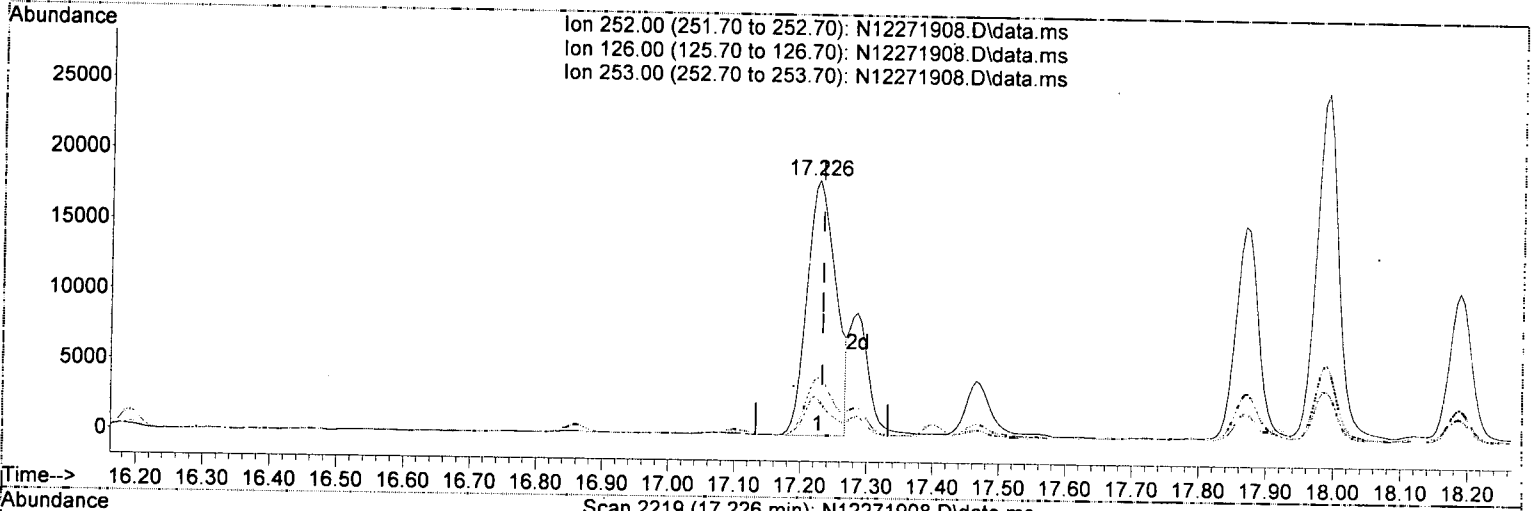
TIC: N12271908.D\data.ms

(28) Chrysene (T)		
14.726min (-0.018)	28.93 ng/ml	
response	64848	
Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.60
226.00	28.60	29.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



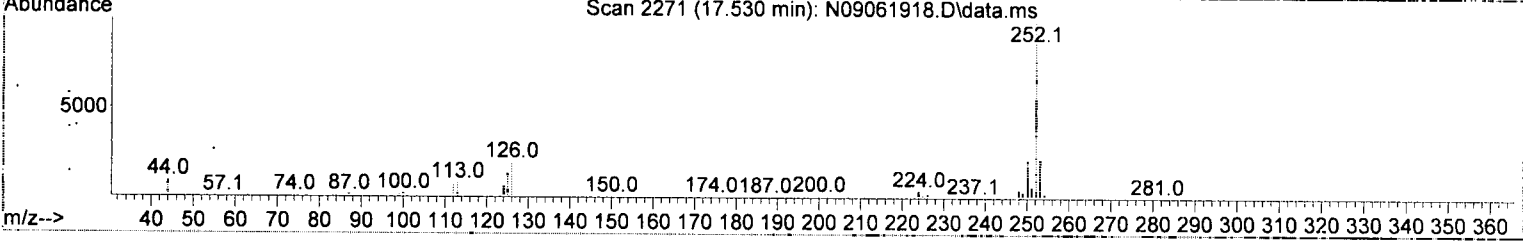
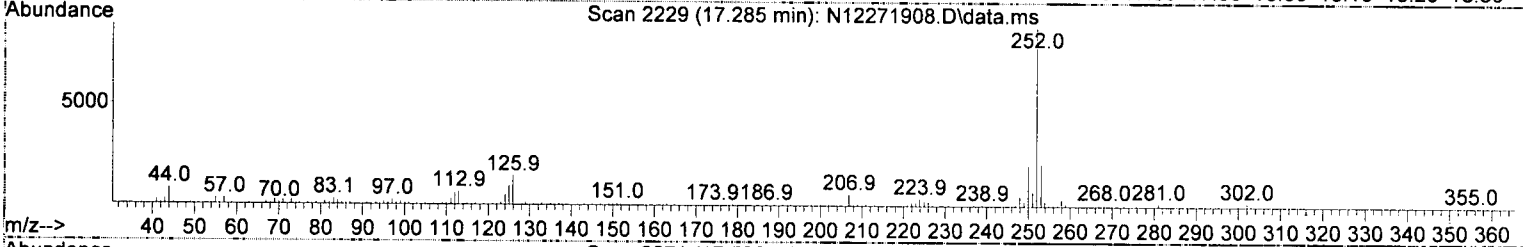
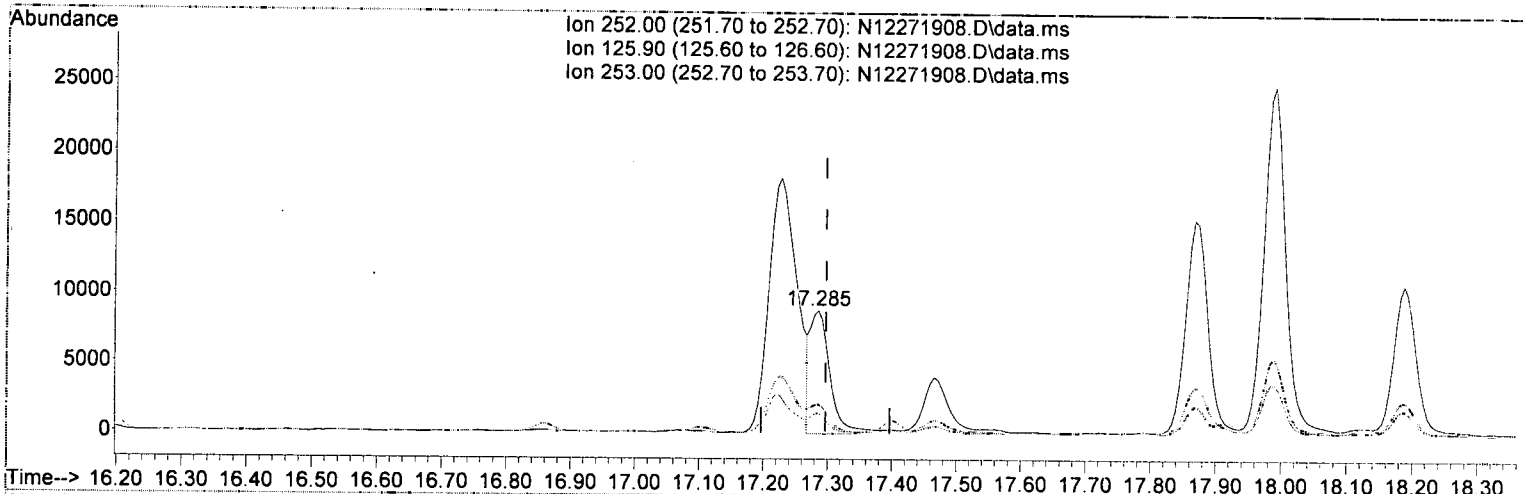
TIC: N12271908.D\data.ms

(30) Benzo(b)fluoranthene (T)		
17.226min (-0.006)	23.49 ng/ml	
response	55321	
Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	14.32
253.00	21.10	22.76
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(31) Benzo(k)fluoranthene (T)

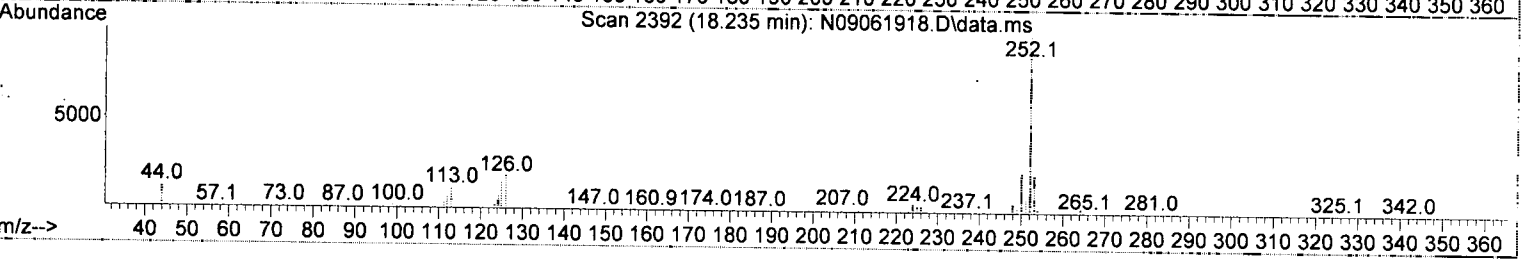
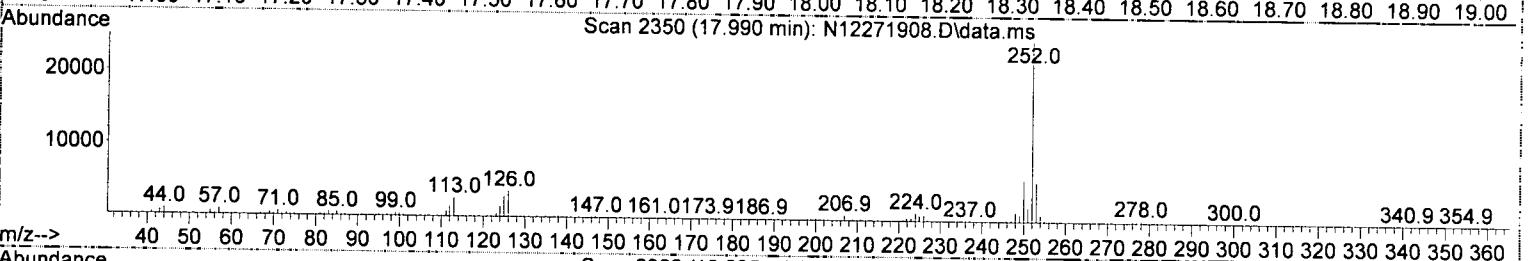
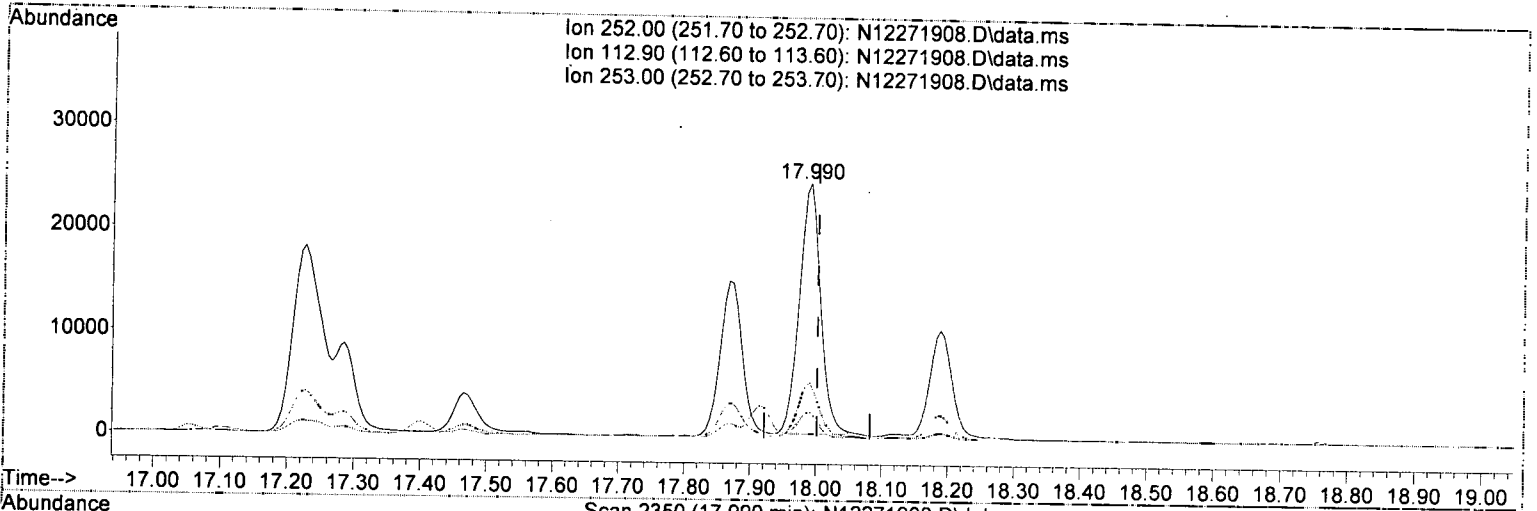
17.285min (-0.012)	8.01 ng/ml m	
response	18581	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	16.21
253.00	21.50	23.43
0.00	0.00	0.00

AMS
12/30/19
MOS

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(35) Benzo(a)pyrene (T)

17.990min (-0.012) 27.32 ng/ml

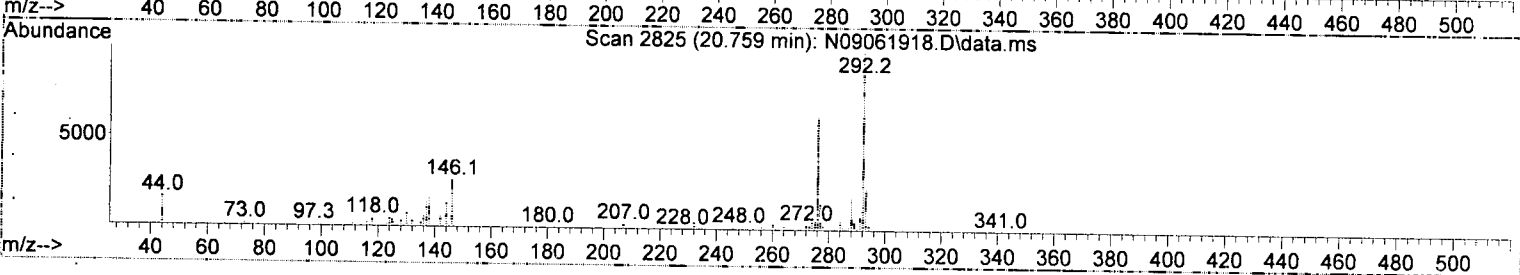
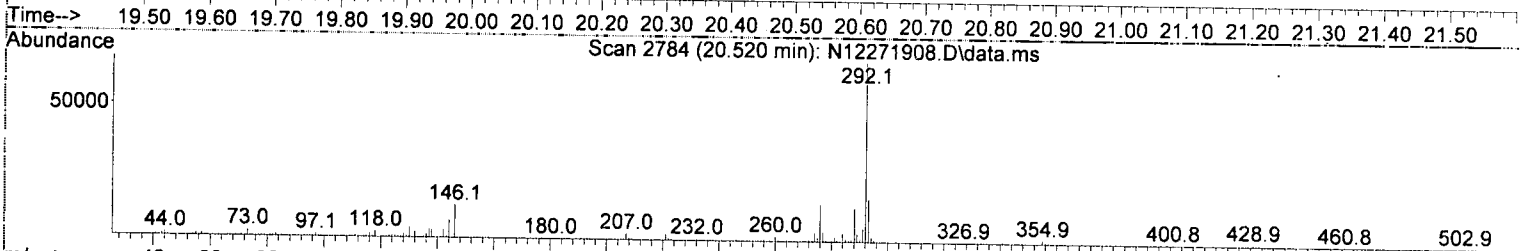
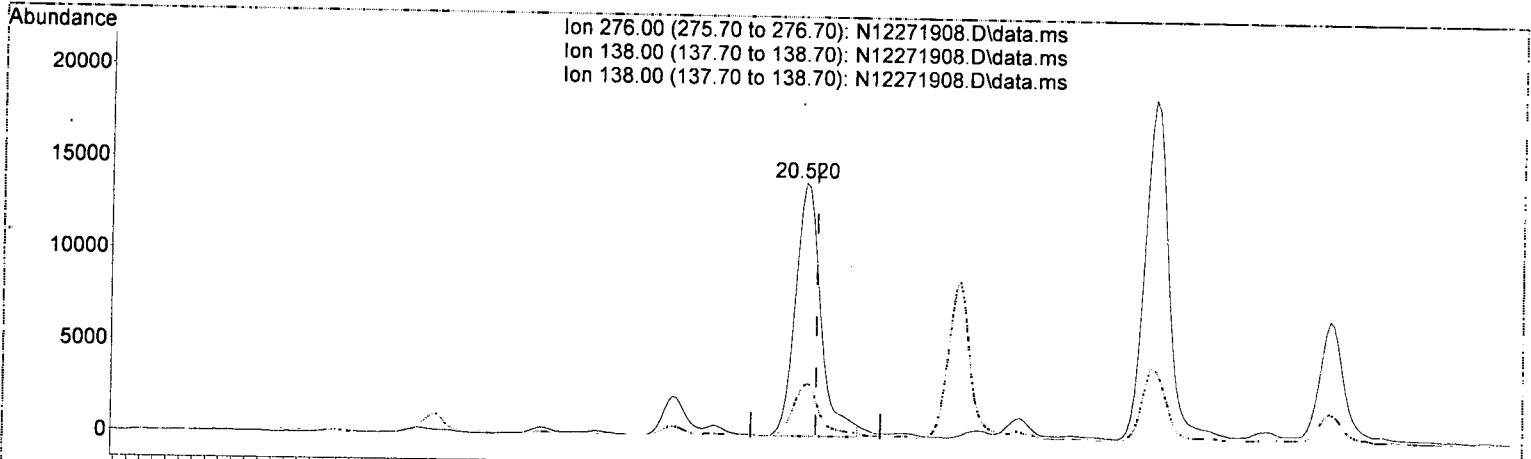
response 55070

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	10.45
253.00	21.90	21.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

20.520min (-0.018) 17.73 ng/ml

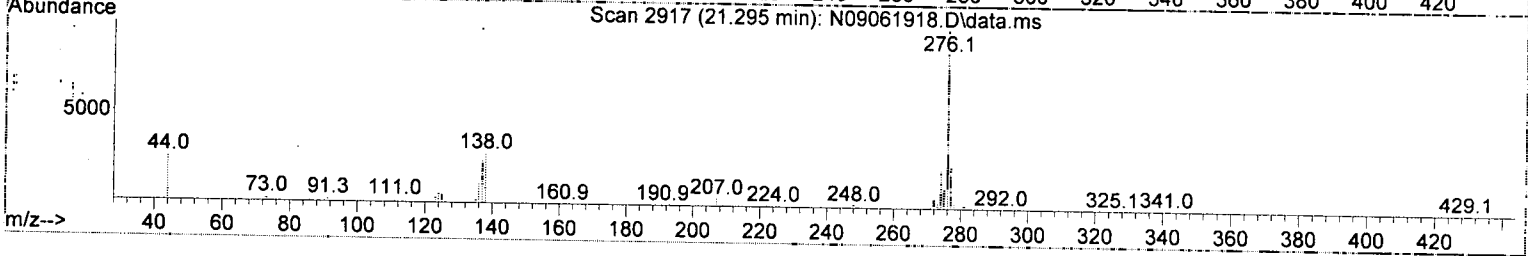
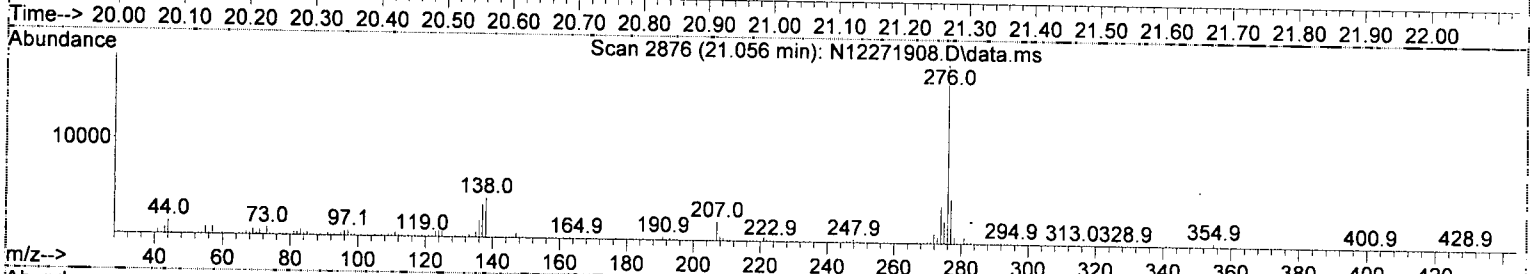
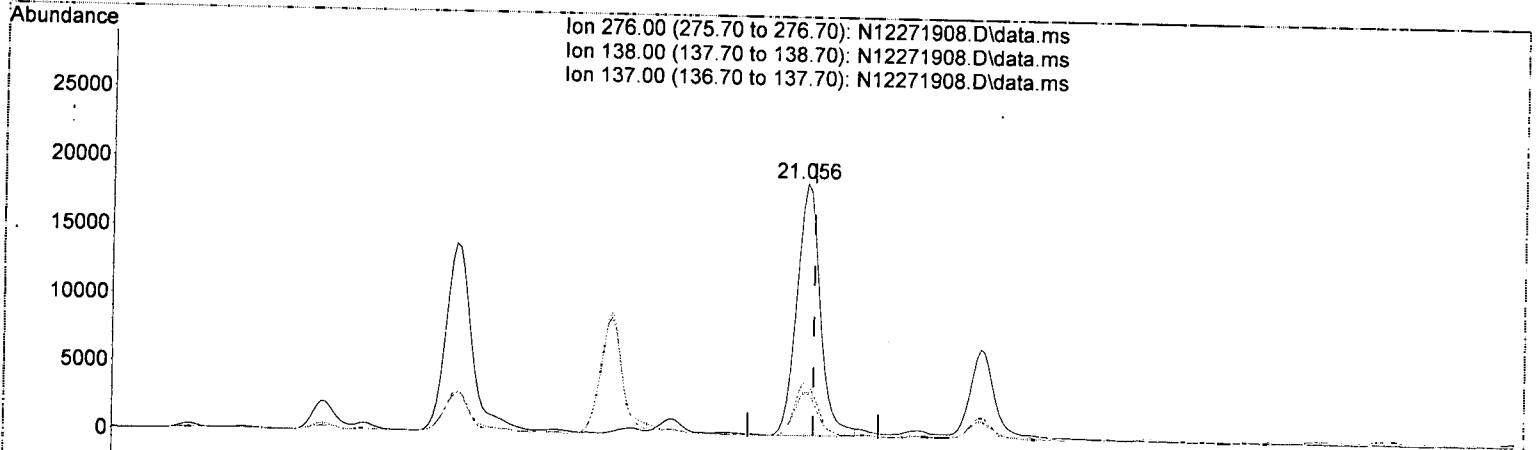
response 37750

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	20.96
138.00	31.60	20.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271908.D\data.ms

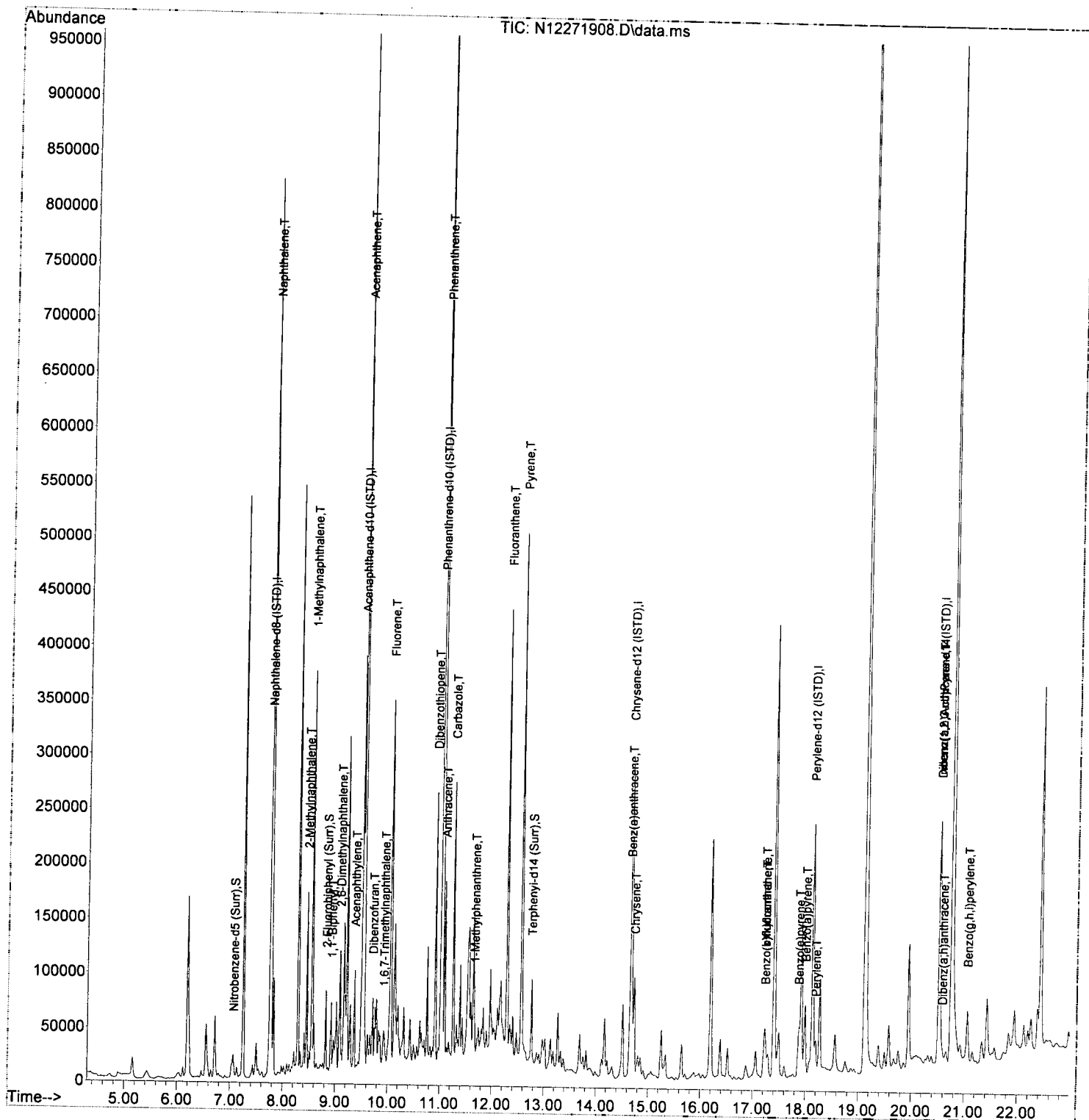
(40) Benzo(g,h,i)perylene (T)

21.056min (-0.012) 20.52 ng/ml

response	Exp%	Act%
276.00	100.00	100.00
138.00	21.00	22.12
137.00	18.60	18.35
0.00	0.00	0.00

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271908.D
 Acq On : 27 Dec 2019 05:18 pm
 Operator : JK/ AMS/ DTH
 Sample : A9J0861-03@4
 Misc : 4x, 8270 LL PAH ONLY
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:42:51 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : U:\data\2109-12\9L27023\
 Data File : N12271914.D
 Acq On : 27 Dec 2019 08:30 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-MSD1@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:43:15 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

AMS
12/30/19

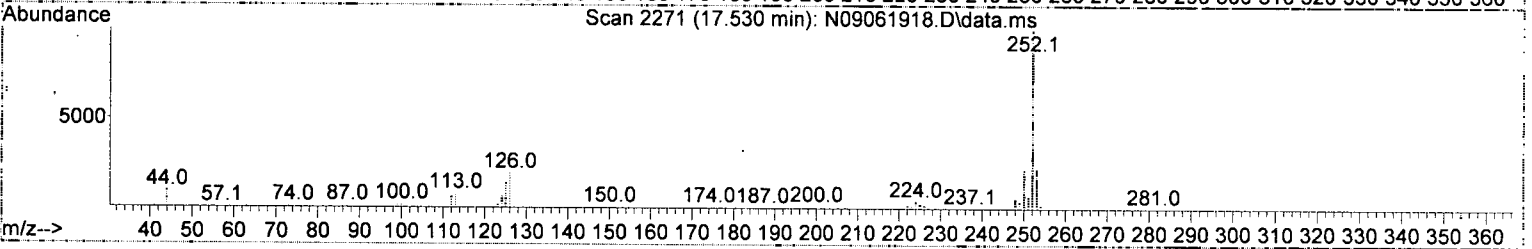
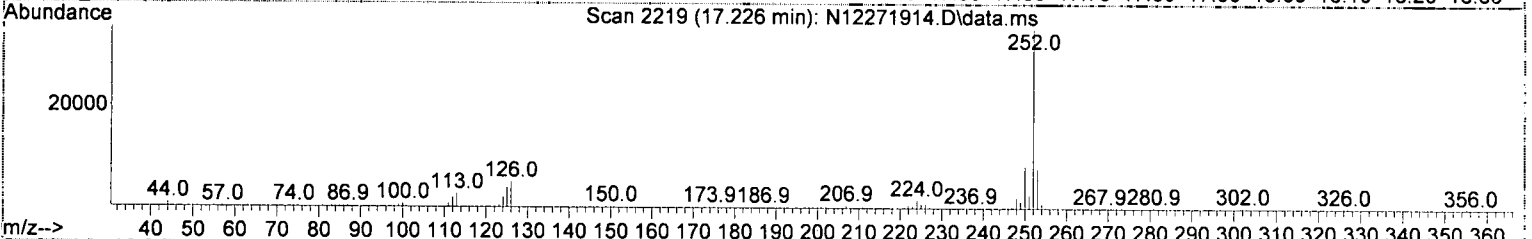
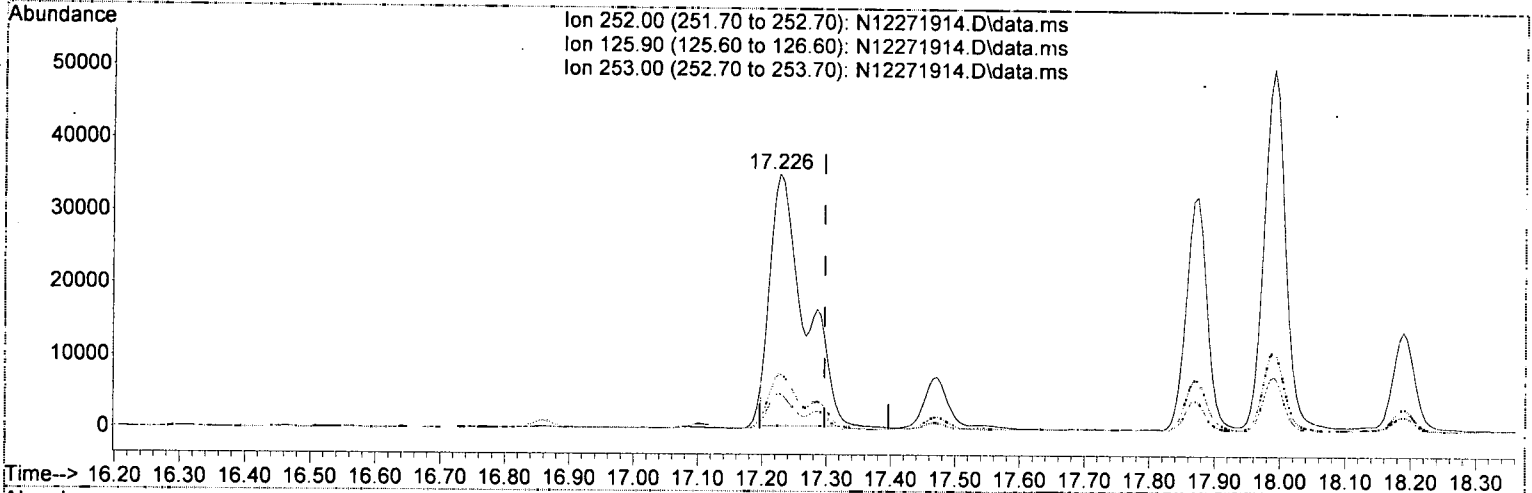
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.749	136	170528	100.00	ng/ml	-0.01
9) Acenaphthene-d10 (ISTD)	9.504	162	116423	100.00	ng/ml	-0.01
17) Phenanthrene-d10 (ISTD)	11.013	188	213351	100.00	ng/ml	0.00
24) Chrysene-d12 (ISTD)	14.674	240	206666	100.00	ng/ml	-0.01
29) Perylene-d12 (ISTD)	18.130	264	207273	100.00	ng/ml	-0.01
37) Dibenz(a,h)Anthracene-d...	20.520	292	172769	100.00	ng/ml	-0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.056	82	91	0.16	ng/ml	-0.01
10) 2-Fluorobiphenyl (Surr)	8.822	172	215	0.12	ng/ml	0.00
11) Acenaphthylene d-8 (Surr)	9.352	160	4059	0.28	ng/ml	0.00
26) Terphenyl-d14 (Surr)	12.762	244	286	0.13	ng/ml	0.00
33) Benzo(a)pyrene d-12 (S...	18.025	264	52	0.03	ng/ml	0.06
Target Compounds						
3) Decalin	0.000		0	N.D.		Qvalue
4) Naphthalene	7.772	128	45766	24.33	ng/ml	100
5) 2-Methylnaphthalene	8.460	142	12270	7.70	ng/ml	95
6) 1-Methylnaphthalene	8.553	142	24650	15.47	ng/ml	98
7) 1,1'-Biphenyl	8.921	154	2590	1.21	ng/ml	94
8) 2,6-Dimethylnaphthalene	9.090	156	6296	4.02	ng/ml	96
12) Acenaphthylene	9.364	152	21391	8.46	ng/ml	97
13) Acenaphthene	9.539	153	103355	62.43	ng/ml	99
14) Dibenzofuran	9.713	168	4524	2.18	ng/ml	97
15) 1,6,7-Trimethylnaphtha...	9.923	170	1859	1.34	ng/ml	93
16) Fluorene	10.063	166	39255	23.17	ng/ml	100
18) Dibenzothiopene	10.908	184	45088	20.21	ng/ml	96
19) Phenanthrene	11.036	178	401302	160.74	ng/ml	100
20) Anthracene	11.089	178	75840	32.66	ng/ml	99
21) Carbazole	11.258	167	9722	5.17	ng/ml	98
22) 1-Methylphenanthrene	11.643	192	23993	13.83	ng/ml#	51
23) Fluoranthene	12.284	202	366715	145.79	ng/ml	95
25) Pyrene	12.564	202	484684	150.11	ng/ml	99
27) Benz(a)anthracene	14.650	228	78008	32.51	ng/ml#	45
28) Chrysene	14.726	228	93101	41.00	ng/ml	99
30) Benzo(b)fluoranthene	17.226	252	103335	43.21	ng/ml	93
31) Benzo(k)fluoranthene	17.226	252	130531	55.43	ng/ml	91
32) Benzo(b+k)fluoranthene	17.226	252	142845	58.39	ng/ml	91
34) Benzo(e)pyrene	17.873	252	72154	29.84	ng/ml	98
35) Benzo(a)pyrene	17.990	252	111896	54.66	ng/ml	97
36) Perylene	18.188	252	34962	13.87	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.526	276	85532	40.14	ng/ml	77
39) Dibenz(a,h)anthracene	20.578	278	7642	3.82	ng/ml	84
40) Benzo(g,h,i)perylene	21.056	276	121112	53.58	ng/ml	99

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

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271914.D
 Acq On : 27 Dec 2019 08:30 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-MSD1@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:43:15 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271914.D\data.ms

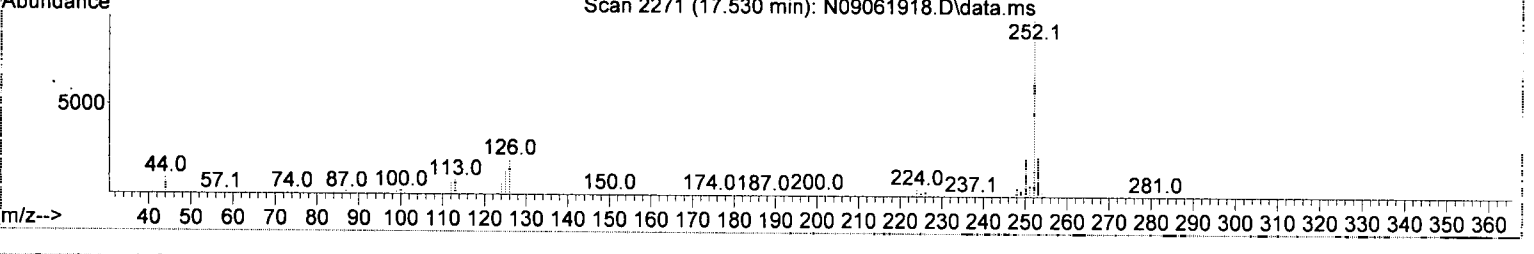
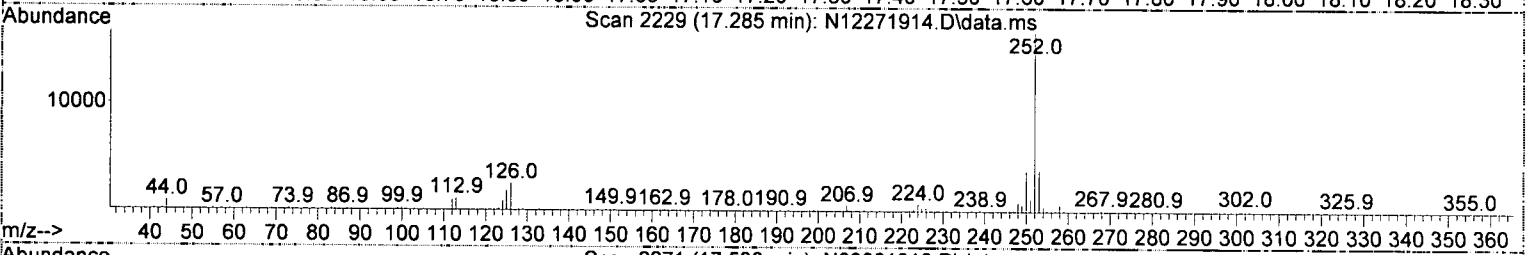
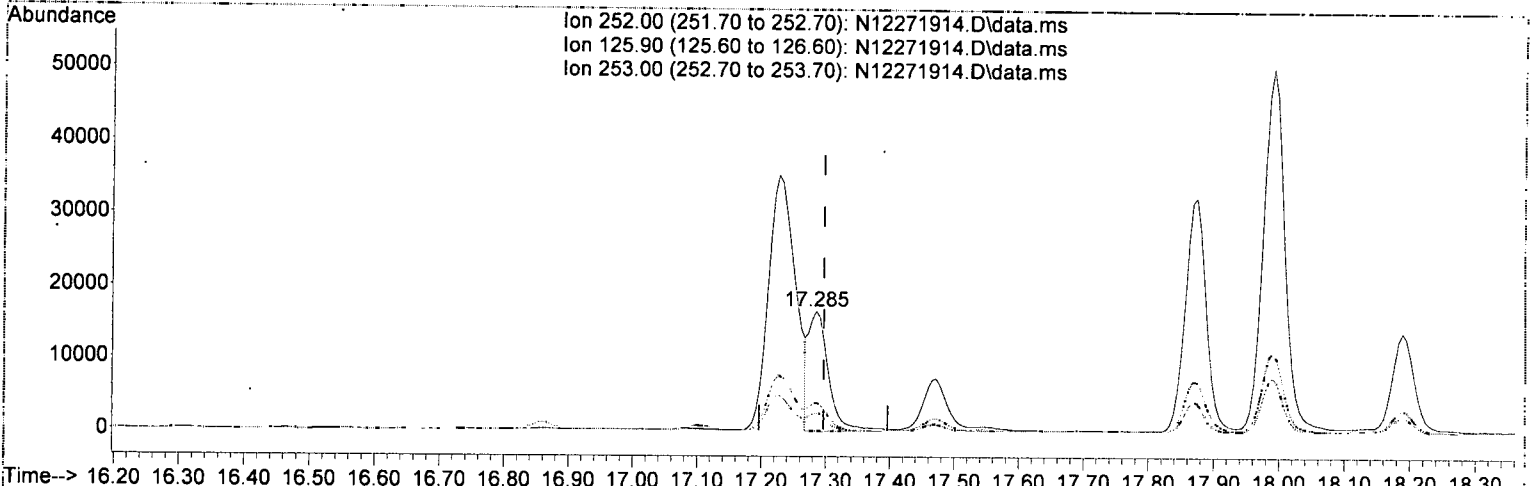
(31) Benzo(k)fluoranthene (T)		
17.226min (-0.070)	55.43 ug/ml	
response	130531	
Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.92
253.00	21.50	21.70
0.00	0.00	0.00

AMS
12/30/19

Quantitation Report (Qedit)

Data Path : U:\data\2109-12\9L27023\
 Data File : N12271914.D
 Acq On : 27 Dec 2019 08:30 pm
 Operator : JK/ AMS/ DTH
 Sample : 9121369-MSD1@1000
 Misc : 1000x, 8270 LL PAH ONLY
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:43:15 2019
 Quant Method : U:\methods\SV14_090619_PAHR7.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Fri Dec 20 12:46:03 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N12271914.D\data.ms

(31) Benzo(k)fluoranthene (T)

17.285min (-0.012) 14.87 ng/ml m

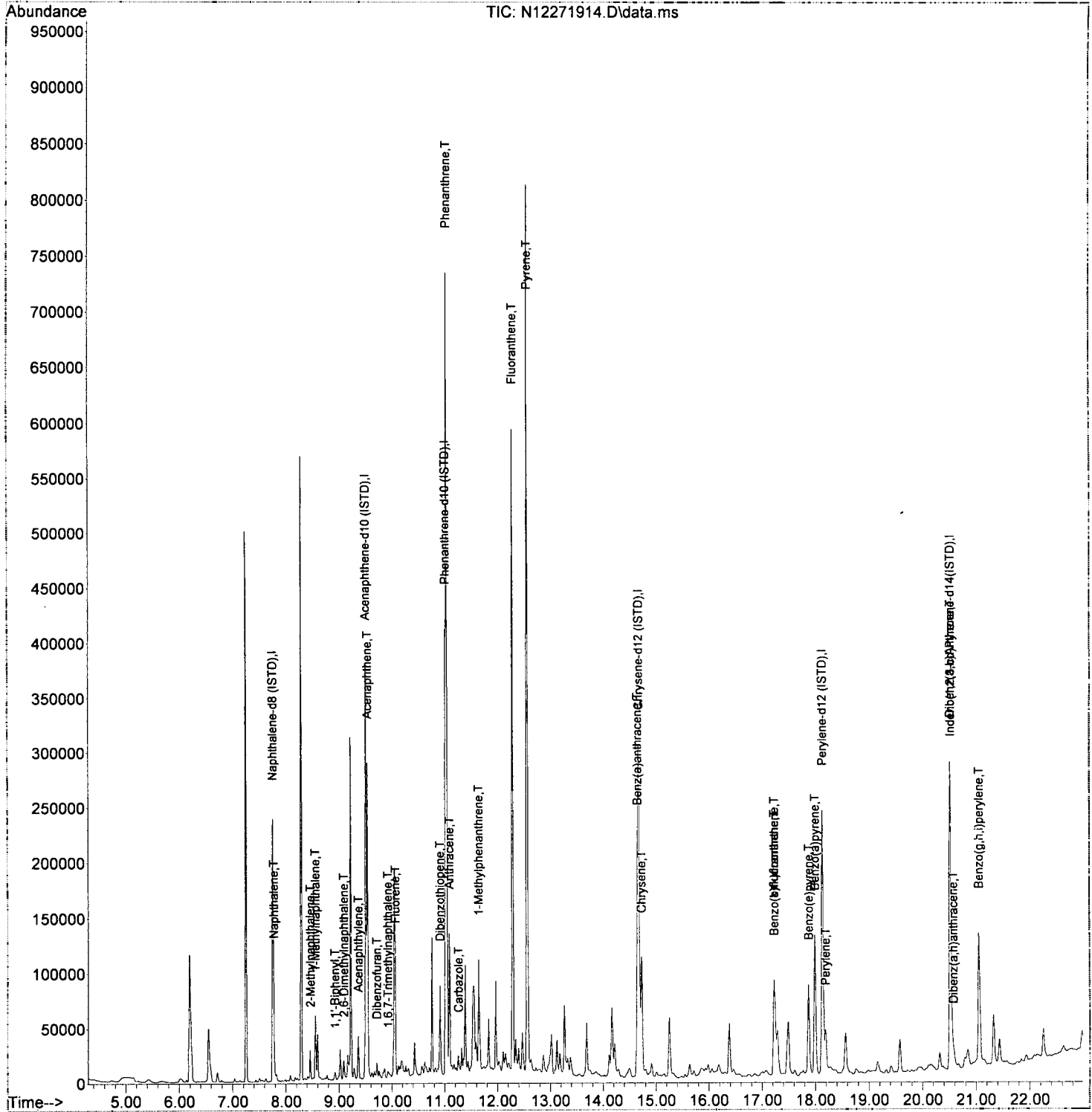
response 35026

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.94
253.00	21.50	23.18
0.00	0.00	0.00

AMS
12/30/19

Data Path : U:\data\2109-12\9L27023\
Data File : N12271914.D
Acq On : 27 Dec 2019 08:30 pm
Operator : JK/ AMS/ DTH
Sample : 9121369-MSD1@1000
Misc : 1000x, 8270 LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Dec 30 08:43:15 2019
Quant Method : U:\methods\SV14_090619_PAHR7.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Fri Dec 20 12:46:03 2019
Response via : Initial Calibration
InstName : SV-GCMS14



**Semivolatile Organic Compounds (PAHs) by EPA 8270D
Calibration Data**

Sequence 9106028 (Cal ID A9I1001) SV-GCMS14



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **9I06028**

Instrument: **SV-GCMS14**

Date: **09/06/19 15:37**

Calibration: **A9I1001**

#	<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>
1	9I06028-TUN1	Sediment	QC	QC			A19I102	A19H414
2	9I06028-ICB1	Sediment	QC	QC			A19I102	
3	9I06028-CAL1	Sediment	QC	QC			A19I102	A19I015
4	9I06028-CAL2	Sediment	QC	QC			A19I102	A19I016
5	9I06028-CAL3	Sediment	QC	QC			A19I102	A19I017
6	9I06028-CAL4	Sediment	QC	QC			A19I102	A19I018
7	9I06028-CAL5	Sediment	QC	QC			A19I102	A19I019
8	9I06028-CAL6	Sediment	QC	QC			A19I102	A19I020
9	9I06028-CAL7	Sediment	QC	QC			A19I102	A19I021
10	9I06028-CAL8	Sediment	QC	QC			A19I102	A19I022
11	9I06028-CAL9	Sediment	QC	QC			A19I102	A19I023
12	9I06028-CALA	Sediment	QC	QC			A19I102	A19I024
13	9I06028-IBL1	Sediment	QC	QC			A19I102	
14	9I06028-ICV1	Sediment	QC	QC			A19I102	A19I025
15	9I06028-IBL2	Sediment	QC	QC			A19I102	

Data Entered By: JD 9/10/19

Comments:

Data Reviewed By: MKT 9/10/19

Calibration Status Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Sep 09 14:58:53 2019
 Response Via : Initial Calibration

A 9 ± 1001
PH 9/9/19

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	N:\data\2019-09\9I06028\N09061913.D
2	2.5	3	100	N:\data\2019-09\9I06028\N09061914.D
3	5.0	5	100	N:\data\2019-09\9I06028\N09061915.D
4	10.0	10	100	N:\data\2019-09\9I06028\N09061916.D
5	25.0	25	100	N:\data\2019-09\9I06028\N09061917.D
6	50.0	50	100	N:\data\2019-09\9I06028\N09061918.D
7	100	100	100	N:\data\2019-09\9I06028\N09061919.D
8	200	200	100	N:\data\2019-09\9I06028\N09061920.D
9	300	300	100	N:\data\2019-09\9I06028\N09061921.D
10	400	400	100	N:\data\2019-09\9I06028\N09061922.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Sep 09 14:58 2019	Sep 09 14:46 2019	06 Sep 2019 04:51 pm
2	2.5	Sep 09 14:58 2019	Sep 09 14:46 2019	06 Sep 2019 05:23 pm
3	5.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 05:55 pm
4	10.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 06:27 pm
5	25.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 07:00 pm
6	50.0	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 07:32 pm
7	100	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 08:04 pm
8	200	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 08:37 pm
9	300	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 09:09 pm
10	400	Sep 09 14:58 2019	Sep 09 14:47 2019	06 Sep 2019 09:41 pm

SV14_090619_PAH.M Mon Sep 09 15:05:37 2019

Compound List Report SV-GCMS14

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Sep 09 14:58:53 2019
 Response Via : Initial Calibration

JM 9/9/19

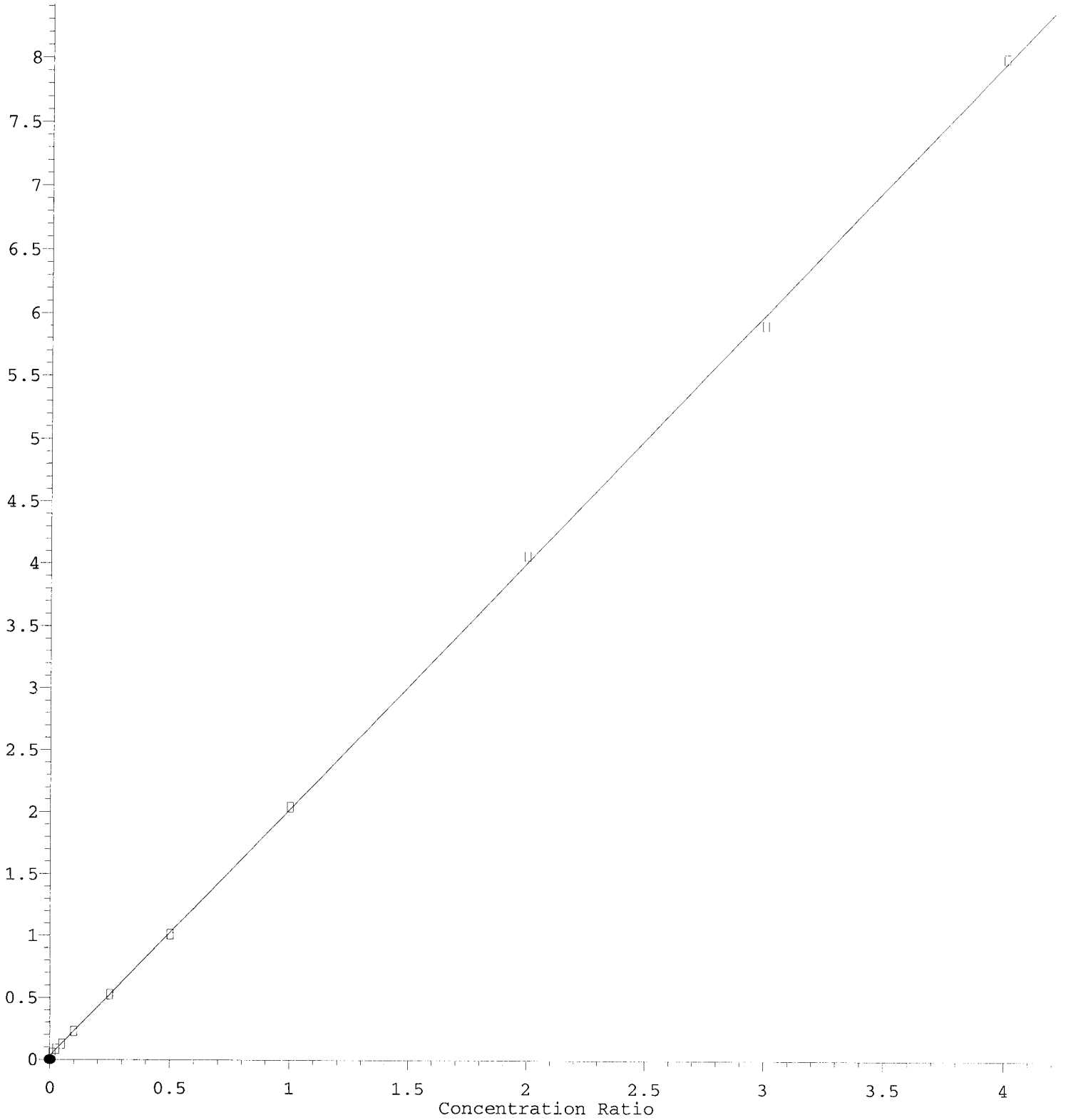
Total Cpnds : 40

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Naphthalene-d8 (ISTD)	136	7.883	1.000	A	2	A	B
2	S	Nitrobenzene-d5 (Surr)	82	7.184	0.911	A	1	A	R
3	T	Decalin	138	7.364	0.934	A	2	A	B
4	T	Naphthalene	128	7.907	1.003	A	2	A	R
5	T	2-Methylnaphthalene	142	8.589	1.089	A	2	A	R
6	T	1-Methylnaphthalene	142	8.688	1.102	A	2	A	R
7	T	1,1'-Biphenyl	154	9.055	1.149	A	2	A	B
8	T	2,6-Dimethylnaphthalene	156	9.212	1.169	A	2	A	R
9	I	Acenaphthene-d10 (ISTD)	162	9.638	1.000	A	2	A	R
10	S	2-Fluorobiphenyl (Surr)	172	8.950	0.929	A	2	A	R
11	S	Acenaphthylene d-8 (Surr)	160	9.480	0.984	Q	2	A	R
12	T	Acenaphthylene	152	9.498	0.985	A	2	A	R
13	T	Acenaphthene	153	9.673	1.004	A	2	A	R
14	T	Dibenzofuran	168	9.848	1.022	A	2	A	R
15	T	1,6,7-Trimethylnaphthalene	170	10.057	1.044	A	2	A	R
16	T	Fluorene	166	10.191	1.057	A	2	A	R
17	I	Phenanthrene-d10 (ISTD)	188	11.147	1.000	A	2	A	R
18	T	Dibenzothiopene	184	11.042	0.991	A	3	A	R
19	T	Phenanthrene	178	11.171	1.002	A	2	A	R
20	T	Anthracene	178	11.223	1.007	A	2	A	R
21	T	Carbazole	167	11.390	1.022	A	2	A	R
22	T	1-Methylphenanthrene	192	11.794	1.058	A	2	A	R
23	T	Fluoranthene	202	12.435	1.116	A	2	A	R
24	I	Chrysene-d12 (ISTD)	240	14.906	1.000	A	2	A	R
25	T	Pyrene	202	12.721	0.853	A	2	A	R
26	S	Terphenyl-d14 (Surr)	244	12.930	0.867	A	2	A	R
27	T	Benz(a)anthracene	228	14.883	0.998	A	2	A	R
28	T	Chrysene	228	14.965	1.004	A	2	A	R
29	I	Perylene-d12 (ISTD)	264	18.374	1.000	A	2	A	R
30	T	Benzo(b)fluoranthene	252	17.465	0.951	A	2	A	R
31	T	Benzo(k)fluoranthene	252	17.529	0.954	A	2	A	R
32	T	Benzo(b+k)fluoranthene	252	17.529	0.954	A	2	A	R
33	S	Benzo(a)pyrene d-12 (Surr)	264	18.176	0.989	A	2	A	B
34	T	Benzo(e)pyrene	252	18.118	0.986	A	2	A	R
35	T	Benzo(a)pyrene	252	18.234	0.992	A	2	A	R
36	T	Perylene	252	18.433	1.003	A	2	A	R
37	I	Dibenz(a,h)Anthracene-d14 (ISTD)	292	20.764	1.000	A	2	A	R
38	T	Indeno(1,2,3-cd)Pyrene	276	20.758	1.000	A	2	A	R
39	T	Dibenz(a,h)anthracene	278	20.828	1.003	A	2	A	R
40	T	Benzo(g,h,i)perylene	276	21.294	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

Acenaphthylene d-8 (Surr)

Response Ratio



$R = -2.27e-003 A^2 + 2.00e+000 A + 2.92e-002$

Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w($1/a^2$)

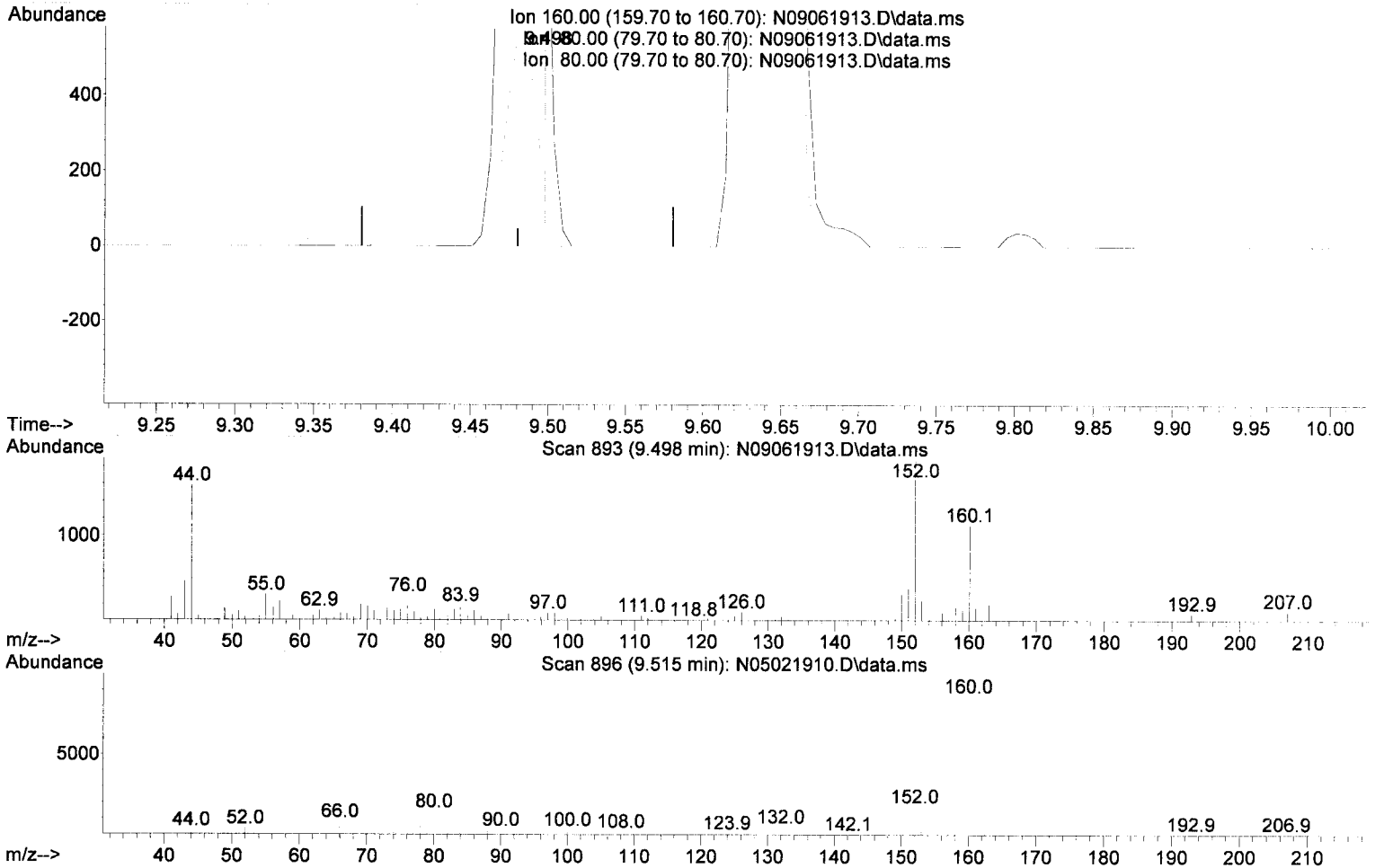
Method Name: N:\methods\SWP_090619_Plan_11
02/14/20 Anchor QA 116 Case File 11

Calibration Table Last Updated: Mon Sep 09 15:00:15 2019

Quantitation Report (Qedit)

Data Path : N:\data\2019-09\9I06028\REQUANT\
 Data File : N09061913.D
 Acq On : 06 Sep 2019 04:51 pm
 Operator :
 Sample : 9I06028-CAL1
 Misc : 1x, A19I015@1
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 15:06:04 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N09061913.D\data.ms

(11) Acenaphthylene d-8 (Surr) (S)

9.498min (+ 0.017) -1.00 ng/ml m

response 111

Ion	Exp%	Act%
160.00	100.00	100.00
80.00	14.40	12.44
80.00	14.40	12.44
0.00	0.00	0.00

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics
 Last Update : Mon Sep 09 14:58:53 2019
 Response Via : Initial Calibration

JK 9/9/19

Calibration Files

1.0 =N09061913.D 2.5 =N09061914.D 5.0 =N09061915.D 10.0=N09061916.D 25.0=N09061917.D 50.0=N09061918.D 100 =N09061919.D
 200 =N09061920.D 300 =N09061921.D 400 =N09061922.D

Compound	1.0	2.5	5.0	10.0	25.0	50.0	100	200	300	400	Avg	%RSD
1) I Naphthalene-d8 (ISTD) -----ISTD-----												6.92
2) S Nitrobenzene-d...	0.391	0.340	0.316	0.315	0.306	0.324	0.323	0.334	0.338	0.337	0.332	7.09 Not used
3) T Decalin		0.076	0.070	0.069	0.070	0.075	0.077	0.077	0.075	0.081	0.074	5.47 Not used
4) T Naphthalene	1.158	1.135	1.098	1.123	1.090	1.083	1.082	1.092	1.078	1.090	1.103	2.42 ✓
5) T 2-Methylnaphth...	0.893	0.907	0.881	0.886	0.895	0.941	0.965	1.001	1.001	0.975	0.935	5.16 ✓
6) T 1-Methylnaphth...	0.821	0.875	0.837	0.916	0.923	0.964	0.986	1.025	1.016	0.981	0.934	7.70 ✓
7) T 1,1'-Biphenyl	1.222	1.201	1.123	1.186	1.195	1.259	1.326	1.389	1.390	1.279	1.257	7.10 Not used
8) T 2,6-Dimethylna...	0.823	0.850	0.815	0.851	0.892	0.943	0.994	1.034	1.033	0.946	0.918	9.12 Not used
9) I Acenaphthene-d10 (... -----ISTD-----												2.97
10) S 2-Fluorobiphen...	1.424	1.562	1.481	1.499	1.500	1.482	1.499	1.496	1.477	1.498	1.492	2.26 Not used (Surrogate)
11) S Acenaphthylene...	4.877	3.301	2.497	2.282	2.108	2.021	2.043	2.031	1.970	2.004	2.513	36.74 Not used (Surrogate)
12) T Acenaphthylene	2.050	2.174	2.139	2.171	2.195	2.172	2.248	2.243	2.161	2.158	2.171	2.55 ✓
13) T Acenaphthene	1.439	1.487	1.404	1.417	1.419	1.394	1.443	1.431	1.388	1.396	1.422	2.10 ✓
14) T Dibenzofuran	1.760	1.773	1.736	1.780	1.790	1.777	1.831	1.827	1.771	1.765	1.781	1.63 ✓
15) T 1,6,7-Trimethy...	1.249	1.207	1.173	1.178	1.169	1.168	1.213	1.212	1.178	1.178	1.193	2.23 Not used
16) T Fluorene	1.369	1.405	1.409	1.422	1.461	1.447	1.526	1.545	1.493	1.476	1.455	3.85 ✓
17) I Phenanthrene-d10 (... -----ISTD-----												5.33
18) T Dibenzothiopene	1.030	1.080	1.056	1.038	1.030	1.033	1.050	1.056	1.042	1.043	1.046	1.46 Not used
19) T Phenanthrene	1.287	1.194	1.137	1.165	1.154	1.152	1.158	1.178	1.134	1.143	1.170	3.85 ✓
20) T Anthracene	1.097	1.089	1.049	1.062	1.069	1.076	1.110	1.115	1.102	1.115	1.088	2.16 ✓
21) T Carbazole	0.872	0.830	0.810	0.818	0.866	0.871	0.905	0.945	0.940	0.950	0.881	5.99 ✓
22) T 1-Methylphenan...	0.803	0.804	0.781	0.794	0.802	0.805	0.824	0.842	0.826	0.847	0.813	2.60 Not used
23) T Fluoranthene	1.194	1.127	1.104	1.124	1.162	1.171	1.202	1.227	1.218	1.261	1.179	4.30 ✓
24) I Chrysene-d12 (ISTD) -----ISTD-----												15.52
25) T Pyrene	1.634	1.742	1.585	1.636	1.580	1.571	1.560	1.478	1.416	1.421	1.562	6.48 ✓
26) S Terphenyl-d14 ...	1.150	1.092	1.037	1.058	1.060	1.046	1.049	1.021	0.993	1.012	1.052	4.22 ✓
27) T Benz(a)anthracene	1.394	1.221	1.088	1.093	1.114	1.098	1.142	1.149	1.139	1.173	1.161	7.87 ✓
28) T Chrysene	1.134	1.107	1.087	1.087	1.098	1.082	1.095	1.103	1.080	1.114	1.099	1.52 ✓
29) I Perylene-d12 (ISTD) -----ISTD-----												18.95
30) T Benzo(b)fluora...	1.117	1.085	1.065	1.092	1.128	1.164	1.194	1.231	1.217	1.246	1.154	5.68 ✓
31) T Benzo(k)fluora...	1.067	1.082	1.086	1.036	1.128	1.118	1.196	1.221	1.198	1.228	1.136	6.13 ✓
32) T Benzo(b+k)fluo...	2.224	2.236	2.233	2.230	2.344	2.357	2.457	2.518	2.473	2.532	2.361	5.36 Not used (Surrogate)
33) S Benzo(a)pyrene...	0.639	0.751	0.745	0.759	0.782	0.808	0.845	0.885	0.880	0.902	0.800	10.15 Not used
34) T Benzo(e)pyrene	1.244	1.173	1.075	1.091	1.139	1.151	1.184	1.213	1.188	1.210	1.167	4.61 Not used
35) T Benzo(a)pyrene	0.983	0.860	0.859	0.902	0.977	1.004	1.043	1.085	1.068	1.095	0.988	9.00 ✓
36) T Perylene	1.038	1.226	1.199	1.189	1.232	1.218	1.248	1.282	1.254	1.278	1.216	5.74 Not used

Method Path : N:\methods\
 Method File : SV14_090619_PAH.M
 Title : EPA 8270D: Semivolatile Organics

37)	I	Dibenz(a,h)Anthrce...												
38)	T	Indeno(1,2,3-c...	1.208	1.280	1.185	1.191	1.192	1.223	1.260	1.262	1.249	1.283	1.233	3.08'
39)	T	Dibenz(a,h)ant...	1.173	1.144	1.121	1.116	1.120	1.144	1.178	1.194	1.182	1.217	1.159	3.01'
40)	T	Benzo(g,h,i)pe...	1.245	1.185	1.241	1.251	1.289	1.328	1.388	1.395	1.368	1.394	1.308	5.85'

21.60 21.60 9/10/19

(#) = Out of Range

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 9I06028

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>
9I06028-TUN1	MS Tune	Sediment	A19H414	A19I102	9/6/2019 3:51:00PM
9I06028-ICB1	Initial Cal Blank	Sediment		A19I102	9/6/2019 4:18:00PM
9I06028-CAL1	Cal Standard	Sediment	A19I015	"	9/6/2019 4:51:00PM
9I06028-CAL2	Cal Standard	Sediment	A19I016	"	9/6/2019 5:23:00PM
9I06028-CAL3	Cal Standard	Sediment	A19I017	"	9/6/2019 5:55:00PM
9I06028-CAL4	Cal Standard	Sediment	A19I018	"	9/6/2019 6:27:00PM
9I06028-CAL5	Cal Standard	Sediment	A19I019	"	9/6/2019 7:00:00PM
9I06028-CAL6	Cal Standard	Sediment	A19I020	"	9/6/2019 7:32:00PM
9I06028-CAL7	Cal Standard	Sediment	A19I021	"	9/6/2019 8:04:00PM
9I06028-CAL8	Cal Standard	Sediment	A19I022	"	9/6/2019 8:37:00PM
9I06028-CAL9	Cal Standard	Sediment	A19I023	"	9/6/2019 9:09:00PM
9I06028-CALA	Cal Standard	Sediment	A19I024	"	9/6/2019 9:41:00PM
9I06028-ICV1	Initial Cal Check	Sediment	A19I025	"	9/6/2019 10:45:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A9I1001** Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan) Sequence: **9I06028** Matrix: **Sediment**

	<u>Inst. MRL</u>	<u>Recalc Res.</u>	<u>Cal Level</u>	<u>%Rec.</u>	<u>Qual</u>
9I06028-CAL1					
9I06028-CAL2					
9I06028-CAL3					
9I06028-CAL4					
9I06028-CAL5					
9I06028-CAL6					
9I06028-CAL7					
9I06028-CAL8					
9I06028-CAL9					
9I06028-CALA					

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: 9I06028

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: **A9I1001**

Instrument: **SV-GCMS14**

8270D LL PAH Only (Scan)

Sequence: **9I06028**

Matrix: **Sediment**

9I06028-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\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 10 10:28:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

JK 9/10/19

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	123	0.00
2 S	Nitrobenzene-d5 (Surr)	50.000	46.212	7.6	116	0.00
3 T	Decalin	50.000	48.753	2.5	118	0.00
4 T	Naphthalene	50.000	49.942	0.1	125	0.00
5 T	2-Methylnaphthalene	50.000	46.827	6.3	114	0.00
6 T	1-Methylnaphthalene	50.000	47.766	4.5	113	0.00
7 T	1,1'-Biphenyl	50.000	46.341	7.3	113	0.00
8 T	2,6-Dimethylnaphthalene	50.000	45.797	8.4	109	0.00
9 I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	106	0.00
10 S	2-Fluorobiphenyl (Surr)	50.000	49.669	0.7	106	0.00
11 S	Acenaphthylene d-8 (Surr)	50.000	49.308	1.4	106	0.00
12 T	Acenaphthylene	50.000	51.950	-3.9	110	0.00
13 T	Acenaphthene	50.000	50.335	-0.7	109	0.00
14 T	Dibenzofuran	50.000	50.914	-1.8	108	0.00
15 T	1,6,7-Trimethylnaphthalene	50.000	50.151	-0.3	109	0.00
16 T	Fluorene	50.000	50.867	-1.7	109	0.00
17 I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	107	0.00
18 T	Dibenzothiopene	50.000	49.794	0.4	108	0.00
19 T	Phenanthrene	50.000	50.398	-0.8	110	0.00
20 T	Anthracene	50.000	51.792	-3.6	112	0.00
21 T	Carbazole	50.000	50.683	-1.4	110	-0.02
22 T	1-Methylphenanthrene	50.000	51.441	-2.9	111	0.00
23 T	Fluoranthene	50.000	50.556	-1.1	109	0.00
24 I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	111	0.00
25 T	Pyrene	50.000	49.139	1.7	109	0.00
26 S	Terphenyl-d14 (Surr)	50.000	48.699	2.6	109	0.00
27 T	Benzo(a)anthracene	50.000	48.477	3.0	114	0.00
28 T	Chrysene	50.000	52.375	-4.8	118	0.00
29 I	Perylene-d12 (ISTD)	100.000	100.000	0.0	114	0.00
30 T	Benzo(b)fluoranthene	50.000	50.587	-1.2	115	0.00
31 T	Benzo(k)fluoranthene	50.000	49.972	0.1	116	0.00
32 T	Benzo(b+k)fluoranthene	100.000	100.734	-0.7	115	0.00
33 S	Benzo(a)pyrene d-12 (Surr)	50.000	53.210	-6.4	120	0.00
34 T	Benzo(e)pyrene	50.000	50.277	-0.6	117	0.00
35 T	Benzo(a)pyrene	50.000	51.177	-2.4	115	0.00
36 T	Perylene	50.000	50.891	-1.8	116	0.00
37 I	Dibenz(a,h)Anthracene-d14 (IS	100.000	100.000	0.0	117	0.00
38 T	Indeno(1,2,3-cd)Pyrene	50.000	49.977	0.0	118	0.00
39 T	Dibenz(a,h)anthracene	50.000	49.339	1.3	117	0.00
40 T	Benzo(g,h,i)perylene	50.000	53.580	-7.2	123	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Sep 05 08:50:46 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

Qd 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.613	150	163761	2.00	ug/mL	# 0.00
2) Naphthalene-d8	7.825	136	486548	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.585	162	255378	2.00	ug/mL	0.00
5) Phenanthrene-d10	11.101	188	470705	2.00	ug/mL	0.00
11) Chrysene-d12	14.779	240	413133	2.00	ug/mL	# 0.00
12) Perylene-d12	16.830	264	372325	2.00	ug/mL	# 0.00
13) Dibenz(a,h)anthracene-...	18.060	292	295670	2.00	ug/mL	0.00
Target Compounds						
4) Pentachlorophenol	10.920	266	1134816	47.06	ug/mL	Qvalue 93
6) DFTPP	11.404	442	1326743	34.91	ug/mL	90
7) Benzidine	12.558	184	4304187	25.70	ug/mL	97
8) 4,4-DDE	12.808	TIC	375170	No Calib		
9) 4,4-DDD	13.310	TIC	188617	No Calib		
10) 4,4-DDT	13.869	TIC	15944082	33.03	ug/mL	98

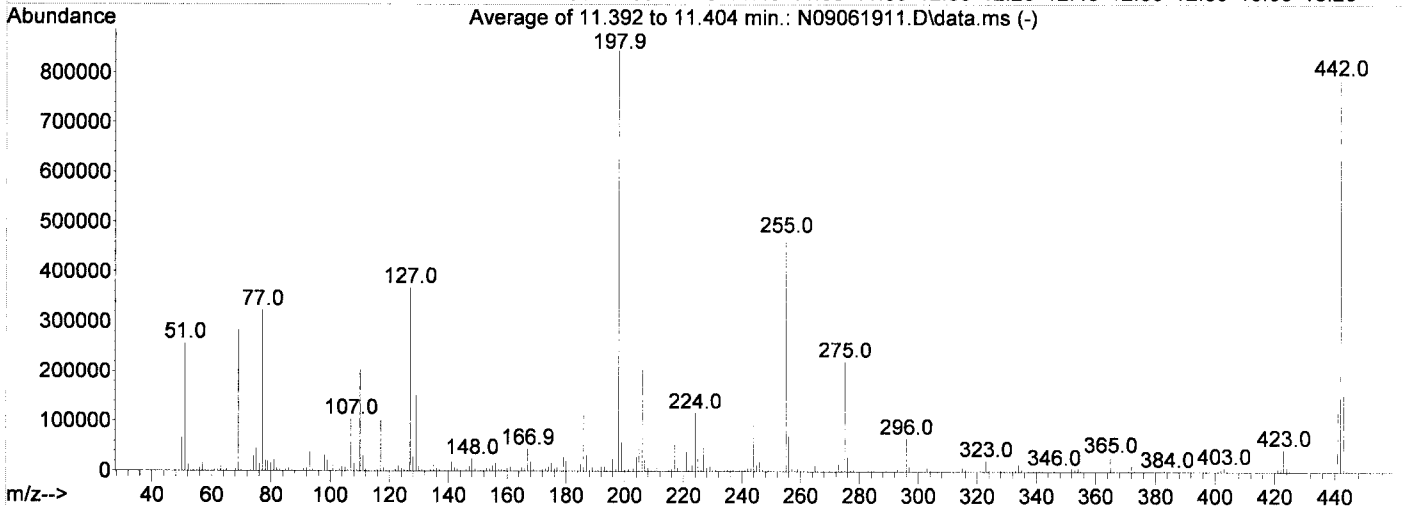
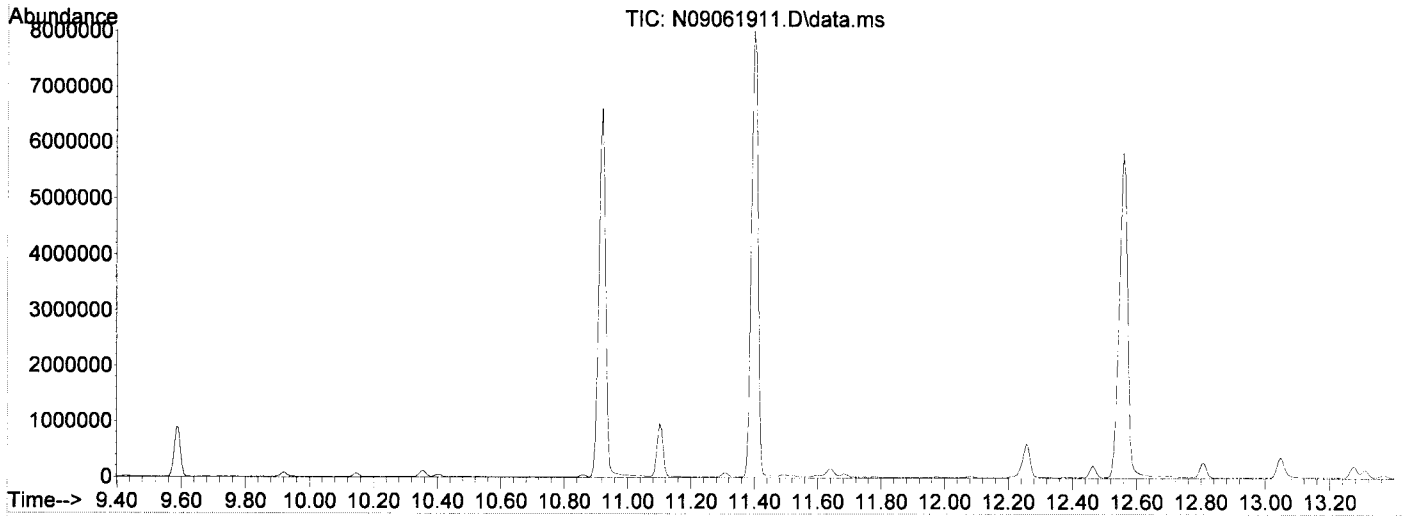
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : N:\methods\DFTPP.M
 Title : 8270 DFTPP Tune Method
 Last Update : Thu Sep 05 08:50:46 2019

9/9/19



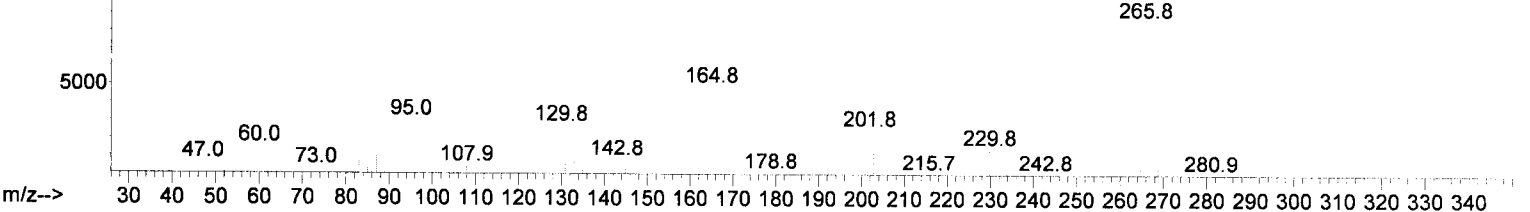
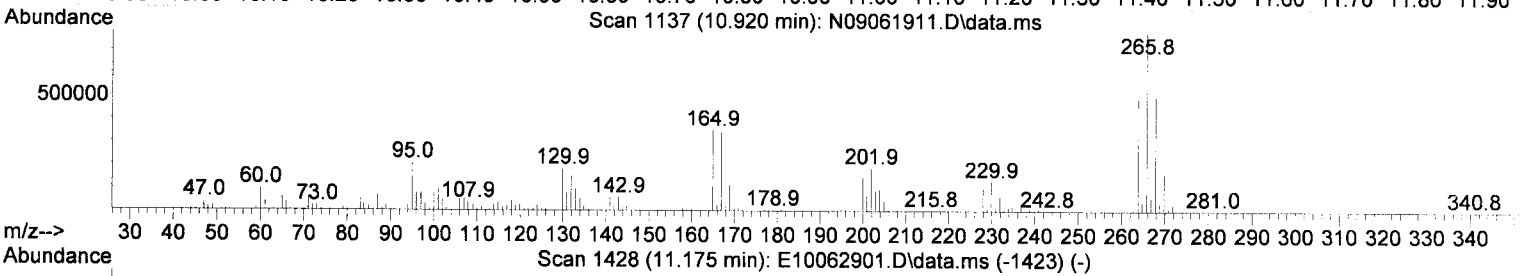
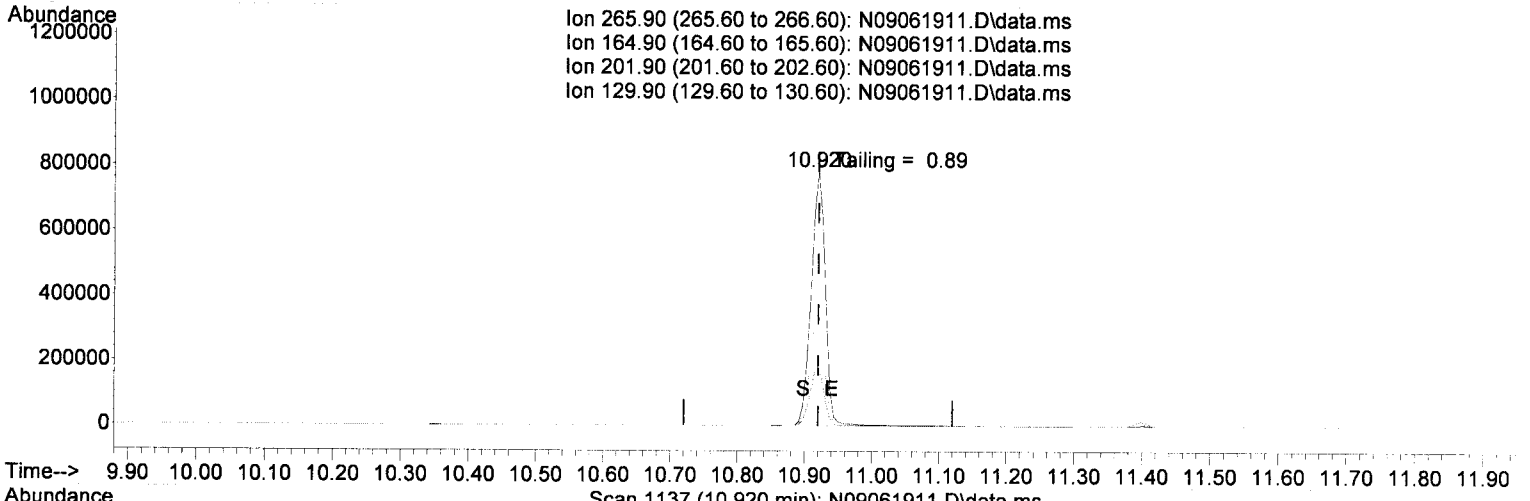
AutoFind: Scans 1218, 1219, 1220; Background Corrected with Scan 1212

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	4348	PASS
69	69	100	100	100.0	283608	PASS
70	69	0.00	2	0.5	1319	PASS
197	198	0.00	2	0.5	4054	PASS
198	198	100	100	100.0	845182	PASS
199	198	5	9	6.9	57976	PASS
365	198	1	100	3.6	30576	PASS
441	443	0.01	150	78.0	120320	PASS
442	198	0.10	200	93.1	787179	PASS
443	442	15	24	19.6	154213	PASS

Quantitation Report (Qedit)

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Sep 05 08:50:46 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N09061911.D\data.ms

(4) Pentachlorophenol

10.920min (+ 0.000) 47.06 ug/mL

response 1134816

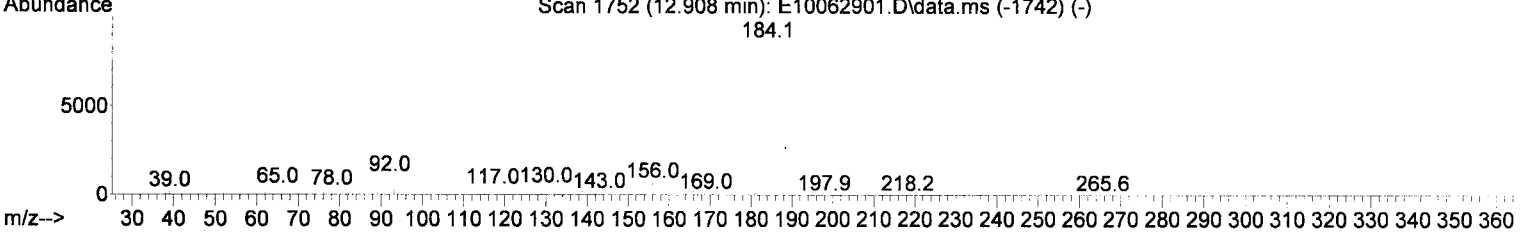
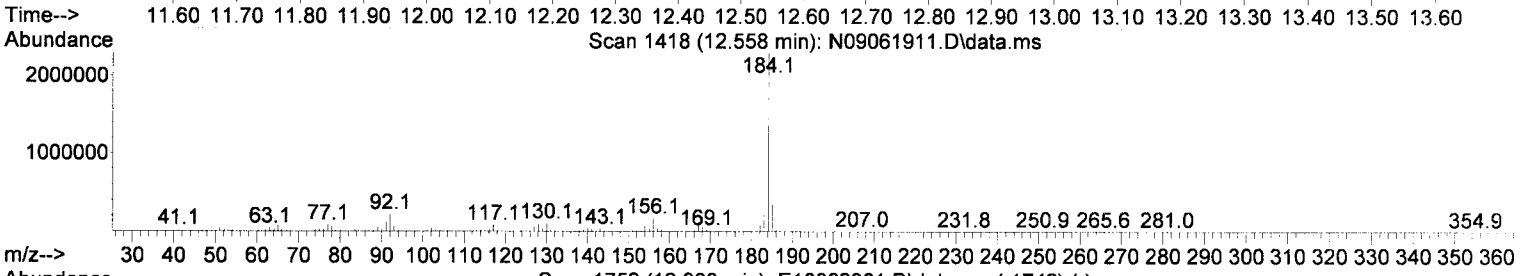
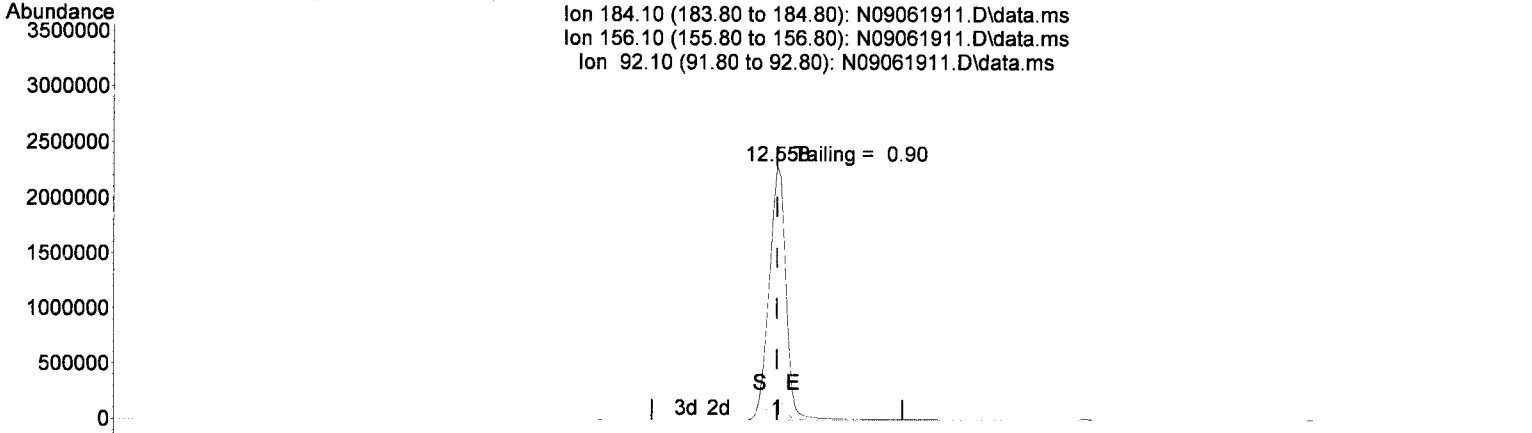
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	44.95
201.90	25.80	23.85
129.90	27.30	23.19

Handwritten signature and date: 9/9/19

Quantitation Report (Qedit)

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061911.D
 Acq On : 06 Sep 2019 03:51 pm
 Operator :
 Sample : 9I06028-TUN1
 Misc : 1x, A19H414 DFTPP@45
 ALS Vial : 1 Sample Multiplier: 1
 DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
 Quant Method : N:\methods\DFTPP.M
 Quant Title : 8270 DFTPP Tune Method
 QLast Update : Thu Sep 05 08:50:46 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



TIC: N09061911.D\data.ms

(7) Benzidine

12.558min (+ 0.000) 25.70 ug/mL

response 4304187

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	7.39
92.10	8.20	9.56
0.00	0.00	0.00

Handwritten signature and date: 9/9/19

DDT Breakdown Check (Validated 5/1/2013)

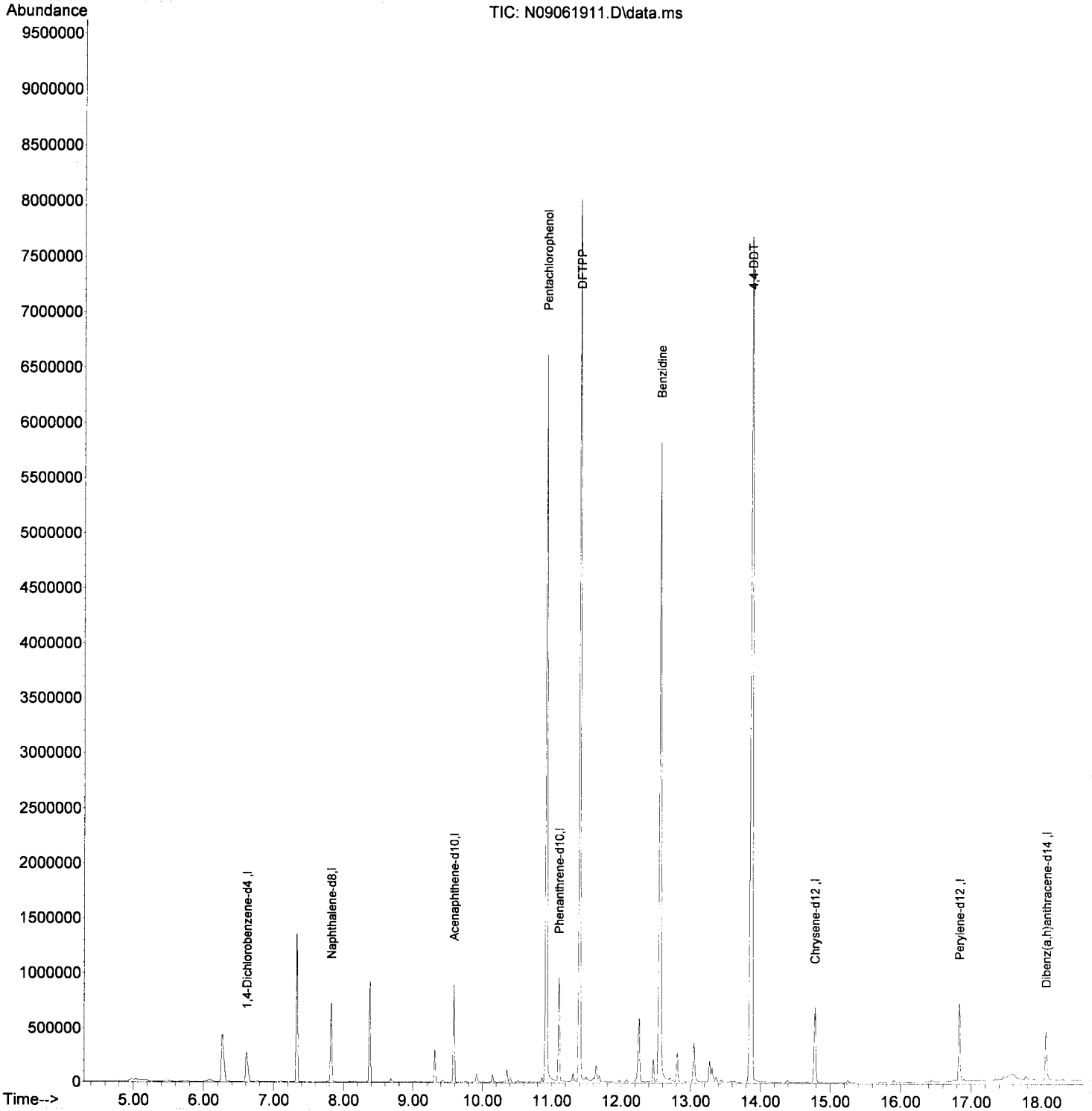
From:
9I06028-TUN1
SV-GCMS14

First Column Area Counts	Percent Breakdown	
DDE 375170		✓
DDD 188617		
DDT 15944082	3.42	PASS

Breakdown must be less than 20% to accept sample data.

Data Path : N:\data\2019-09\9I06028\
Data File : N09061911.D
Acq On : 06 Sep 2019 03:51 pm
Operator :
Sample : 9I06028-TUN1
Misc : 1x, A19H414 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:DFTPP.M

Quant Time: Sep 06 17:15:52 2019
Quant Method : N:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Thu Sep 05 08:50:46 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061912.D
 Acq On : 06 Sep 2019 04:18 pm
 Operator :
 Sample : 9I06028-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:43 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

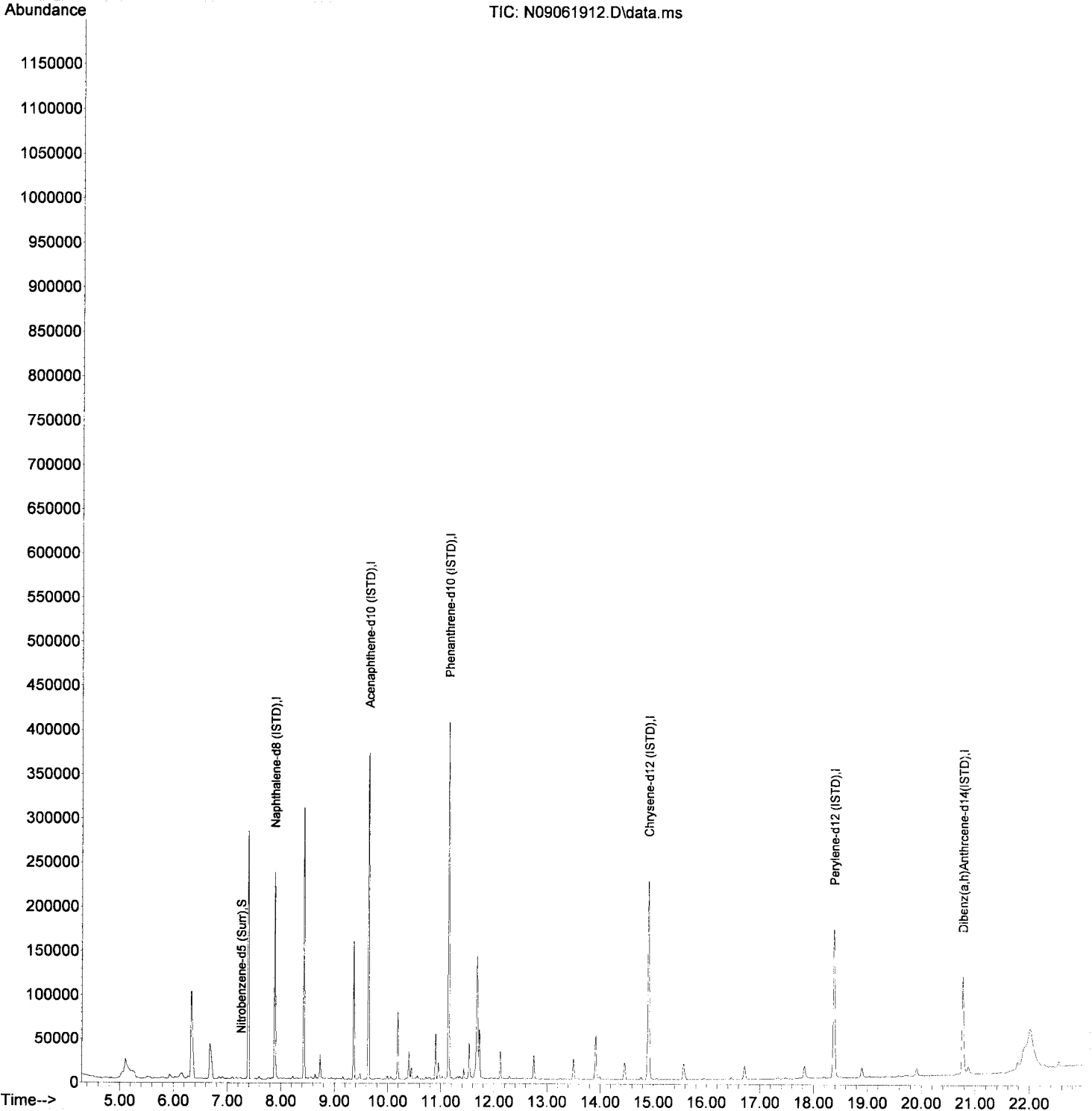
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	153621	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	109411	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	203705	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	156122	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	131660	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.765	292	95634	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.254	82	241	0.47	ng/ml	0.07	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.486	160	3573	0.17	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	228	0.14	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.907	128	157	N.D.			
5) 2-Methylnaphthalene	0.000		0	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	0.000		0	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
12) Acenaphthylene	9.498	152	86	N.D.			
13) Acenaphthene	0.000		0	N.D.			
14) Dibenzofuran	0.000		0	N.D.			
15) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.			
16) Fluorene	0.000		0	N.D.			
18) Dibenzothiopene	11.042	184	87	N.D.			
19) Phenanthrene	11.171	178	288	N.D.			
20) Anthracene	11.223	178	75	N.D.			
21) Carbazole	11.380	167	333	No Calib			
22) 1-Methylphenanthrene	11.800	192	131	N.D.			
23) Fluoranthene	12.435	202	251	N.D.			
25) Pyrene	12.727	202	195	N.D.			
27) Benz(a)anthracene	14.901	228	646	N.D.			
28) Chrysene	14.965	228	290	N.D.			
30) Benzo(b)fluoranthene	17.466	252	208	N.D.			
31) Benzo(k)fluoranthene	17.524	252	168	N.D.			
32) Benzo(e+k)fluoranthene	17.524	252	168	N.D.			
34) Benzo(e)pyrene	18.113	252	178	N.D.			
35) Benzo(a)pyrene	0.000		0	N.D.			
36) Perylene	18.439	252	178	N.D.			
38) Indeno(1,2,3-cd)Pyrene	20.770	276	158	N.D.			
39) Dibenz(a,h)anthracene	20.834	278	121	N.D.			
40) Benzo(g,h,i)perylene	21.301	276	89	N.D.			

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

Data Path : N:\data\2019-09\9I06028\
Data File : N09061912.D
Acq On : 06 Sep 2019 04:18 pm
Operator :
Sample : 9I06028-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:43 2019
Quant Method : N:\methods\SV14_090619_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Sep 09 10:14:28 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061912.D
 Acq On : 06 Sep 2019 04:18 pm
 Operator :
 Sample : 9I06028-ICB1
 Misc : 1x, DCM + ISTD
 ALS Vial : 2 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Sep 10 10:28:34 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

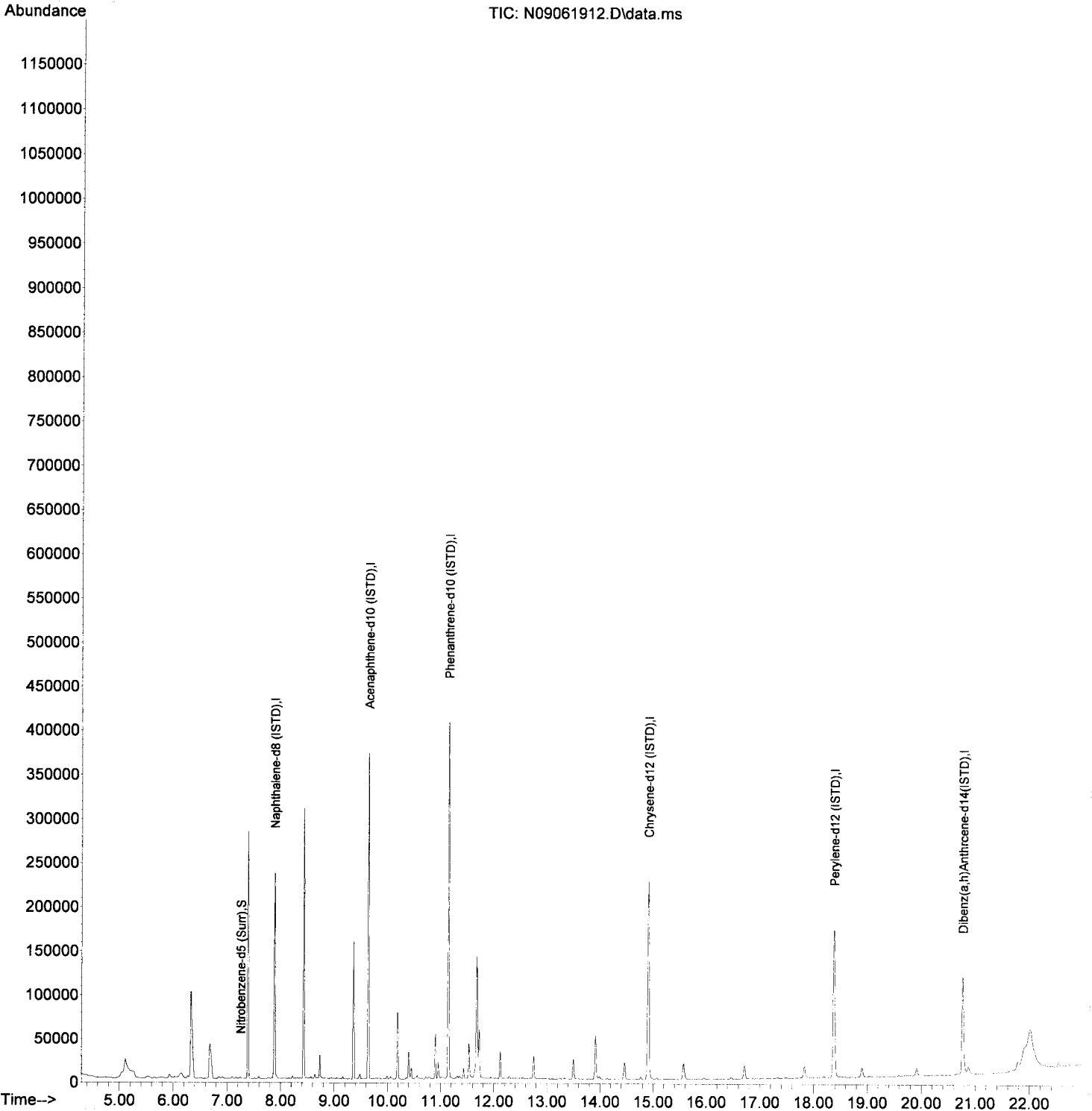
9/10/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	153621	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	109411	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	203705	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	156122	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	131660	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.765	292	95634	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.254	82	241	0.47	ng/ml	0.07	
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml		
11) Acenaphthylene d-8 (Surr)	9.486	160	3573	0.17	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	228	0.14	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	0.000	264	0	0.00	ng/ml		
Target Compounds							
3) Decalin	0.000		0	N.D.			Qvalue
4) Naphthalene	7.907	128	157	N.D.			
5) 2-Methylnaphthalene	0.000		0	N.D.			
6) 1-Methylnaphthalene	0.000		0	N.D.			
7) 1,1'-Biphenyl	0.000		0	N.D.			
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.			
12) Acenaphthylene	9.498	152	86	N.D.			
13) Acenaphthene	0.000		0	N.D.			
14) Dibenzofuran	0.000		0	N.D.			
15) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.			
16) Fluorene	0.000		0	N.D.			
18) Dibenzothiopene	11.042	184	87	N.D.			
19) Phenanthrene	11.171	178	288	N.D.			
20) Anthracene	11.223	178	75	N.D.			
21) Carbazole	11.380	167	333	N.D.			
22) 1-Methylphenanthrene	11.800	192	131	N.D.			
23) Fluoranthene	12.435	202	251	N.D.			
25) Pyrene	12.727	202	195	N.D.			
27) Benz(a)anthracene	14.901	228	646	N.D.			
28) Chrysene	14.965	228	290	N.D.			
30) Benzo(b)fluoranthene	17.466	252	208	N.D.			
31) Benzo(k)fluoranthene	17.524	252	168	N.D.			
32) Benzo(b+k)fluoranthene	17.524	252	168	N.D.			
34) Benzo(e)pyrene	18.113	252	178	N.D.			
35) Benzo(a)pyrene	0.000		0	N.D.			
36) Perylene	18.439	252	178	N.D.			
38) Indeno(1,2,3-cd)Pyrene	20.770	276	158	N.D.			
39) Dibenz(a,h)anthracene	20.834	278	121	N.D.			
40) Benzo(g,h,i)perylene	21.301	276	89	N.D.			

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

Data Path : N:\data\2019-09\9I06028\
Data File : N09061912.D
Acq On : 06 Sep 2019 04:18 pm
Operator :
Sample : 9I06028-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 10 10:28:34 2019
Quant Method : N:\methods\SV14_090619_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Sep 09 14:58:53 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061913.D
 Acq On : 06 Sep 2019 04:51 pm
 Operator :
 Sample : 9I06028-CAL1
 Misc : 1x, A19I015@1
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:51 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

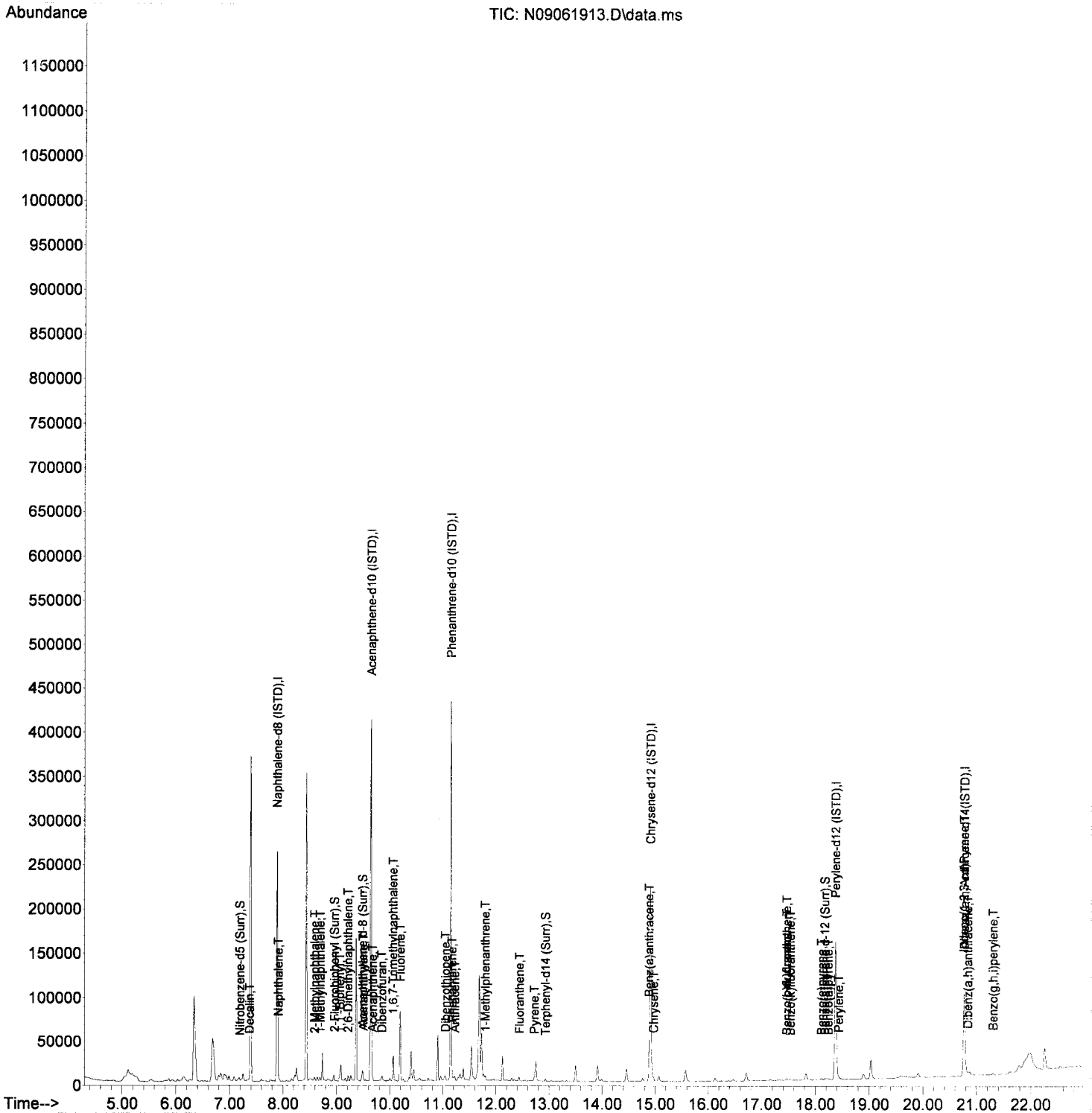
GK 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	173610	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	119749	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	214815	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	149008	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	120943	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.764	292	80323	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.189	82	679	1.18	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	1705	0.95	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.486	160	5840	0.98	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	1714	1.09	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.176	264	773	0.80	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	87	0.67	ng/ml#		38
4) Naphthalene	7.906	128	2011	1.05	ng/ml		99
5) 2-Methylnaphthalene	8.588	142	1551	0.96	ng/ml		94
6) 1-Methylnaphthalene	8.687	142	1426	0.88	ng/ml		100
7) 1,1'-Biphenyl	9.055	154	2122	0.97	ng/ml		93
8) 2,6-Dimethylnaphthalene	9.212	156	1429	0.90	ng/ml		93
12) Acenaphthylene	9.498	152	2455	0.94	ng/ml		98
13) Acenaphthene	9.672	153	1723	1.01	ng/ml		97
14) Dibenzofuran	9.847	168	2108	0.99	ng/ml		91
15) 1,6,7-Trimethylnaphtha...	10.057	170	1496	1.05	ng/ml		75
16) Fluorene	10.197	166	1639	0.94	ng/ml		98
18) Dibenzothiopene	11.042	184	2213	0.99	ng/ml		95
19) Phenanthrene	11.170	178	2765	1.10	ng/ml		99
20) Anthracene	11.223	178	2357	1.01	ng/ml		97
21) Carbazole	11.380	167	1874	No Calib			
22) 1-Methylphenanthrene	11.794	192	1725	0.99	ng/ml		92
23) Fluoranthene	12.435	202	2565	1.01	ng/ml		98
25) Pyrene	12.721	202	2435	1.05	ng/ml		96
27) Benz(a)anthracene	14.883	228	2077	1.20	ng/ml		98
28) Chrysene	14.965	228	1690	1.03	ng/ml		96
30) Benzo(b)fluoranthene	17.465	252	1351	0.97	ng/ml		95
31) Benzo(k)fluoranthene	17.529	252	1291	0.94	ng/ml		96
32) Benzo(b+k)fluoranthene	17.465	252	2690	0.94	ng/ml		97
34) Benzo(e)pyrene	18.112	252	1505	1.07	ng/ml		94
35) Benzo(a)pyrene	18.235	252	1189	1.00	ng/ml		99
36) Perylene	18.433	252	1255	0.85	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.759	276	970	0.98	ng/ml		74
39) Dibenz(a,h)anthracene	20.828	278	942	1.01	ng/ml		86
40) Benzo(g,h,i)perylene	21.295	276	1000	0.95	ng/ml		93

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061913.D
 Acq On : 06 Sep 2019 04:51 pm
 Operator :
 Sample : 9I06028-CAL1
 Misc : 1x, A19I015@1
 ALS Vial : 3 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:51 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061914.D
 Acq On : 06 Sep 2019 05:23 pm
 Operator :
 Sample : 9I06028-CAL2
 Misc : 1x, A19I016@2.5
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:55 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

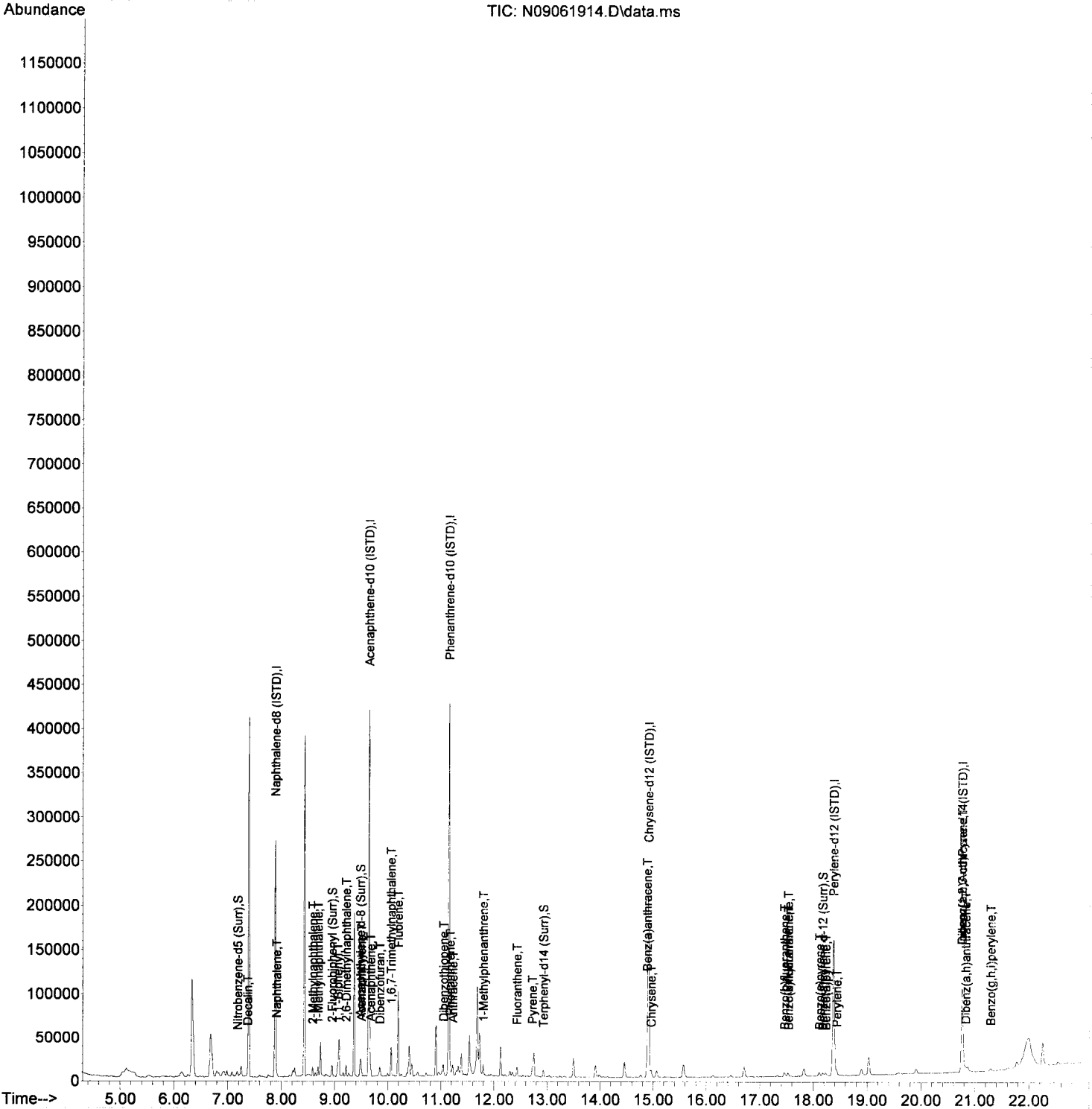
GR 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	170471	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	119278	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	215482	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	151986	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	123595	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	82584	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	1447	2.55	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	4658	2.62	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	9843	2.67	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	4151	2.60	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.171	264	2322	2.35	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	323	2.54	ng/ml		87
4) Naphthalene	7.906	128	4837	2.57	ng/ml		98
5) 2-Methylnaphthalene	8.588	142	3865	2.43	ng/ml		96
6) 1-Methylnaphthalene	8.688	142	3730	2.34	ng/ml		97
7) 1,1'-Biphenyl	9.055	154	5118	2.39	ng/ml		97
8) 2,6-Dimethylnaphthalene	9.212	156	3622	2.31	ng/ml		97
12) Acenaphthylene	9.498	152	6483	2.50	ng/ml		98
13) Acenaphthene	9.673	153	4435	2.61	ng/ml		96
14) Dibenzofuran	9.847	168	5286	2.49	ng/ml		95
15) 1,6,7-Trimethylnaphtha...	10.057	170	3598	2.53	ng/ml		87
16) Fluorene	10.191	166	4189	2.41	ng/ml		94
18) Dibenzothiopene	11.042	184	5817	2.58	ng/ml		97
19) Phenanthrene	11.171	178	6430	2.55	ng/ml		99
20) Anthracene	11.223	178	5868	2.50	ng/ml		98
21) Carbazole	11.380	167	4473	No Calib			
22) 1-Methylphenanthrene	11.794	192	4331	2.47	ng/ml		98
23) Fluoranthene	12.429	202	6070	2.39	ng/ml		95
25) Pyrene	12.721	202	6620	2.79	ng/ml		98
27) Benz(a)anthracene	14.883	228	4639	2.63	ng/ml		97
28) Chrysene	14.959	228	4207	2.52	ng/ml		99
30) Benzo(b)fluoranthene	17.460	252	3353	2.35	ng/ml		96
31) Benzo(k)fluoranthene	17.530	252	3343	2.38	ng/ml		93
32) Benzo(b+k)fluoranthene	17.530	252	6909	2.37	ng/ml		93
34) Benzo(e)pyrene	18.112	252	3623	2.51	ng/ml		97
35) Benzo(a)pyrene	18.229	252	2658	2.18	ng/ml		100
36) Perylene	18.433	252	3787	2.52	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.759	276	2642	2.59	ng/ml		100
39) Dibenz(a,h)anthracene	20.823	278	2361	2.47	ng/ml		87
40) Benzo(g,h,i)perylene	21.289	276	2446	2.26	ng/ml		97

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061914.D
 Acq On : 06 Sep 2019 05:23 pm
 Operator :
 Sample : 9I06028-CAL2
 Misc : 1x, A19I016@2.5
 ALS Vial : 4 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:46:55 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061915.D
 Acq On : 06 Sep 2019 05:55 pm
 Operator :
 Sample : 9I06028-CAL3
 Misc : 1x, A19I017@5
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:00 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

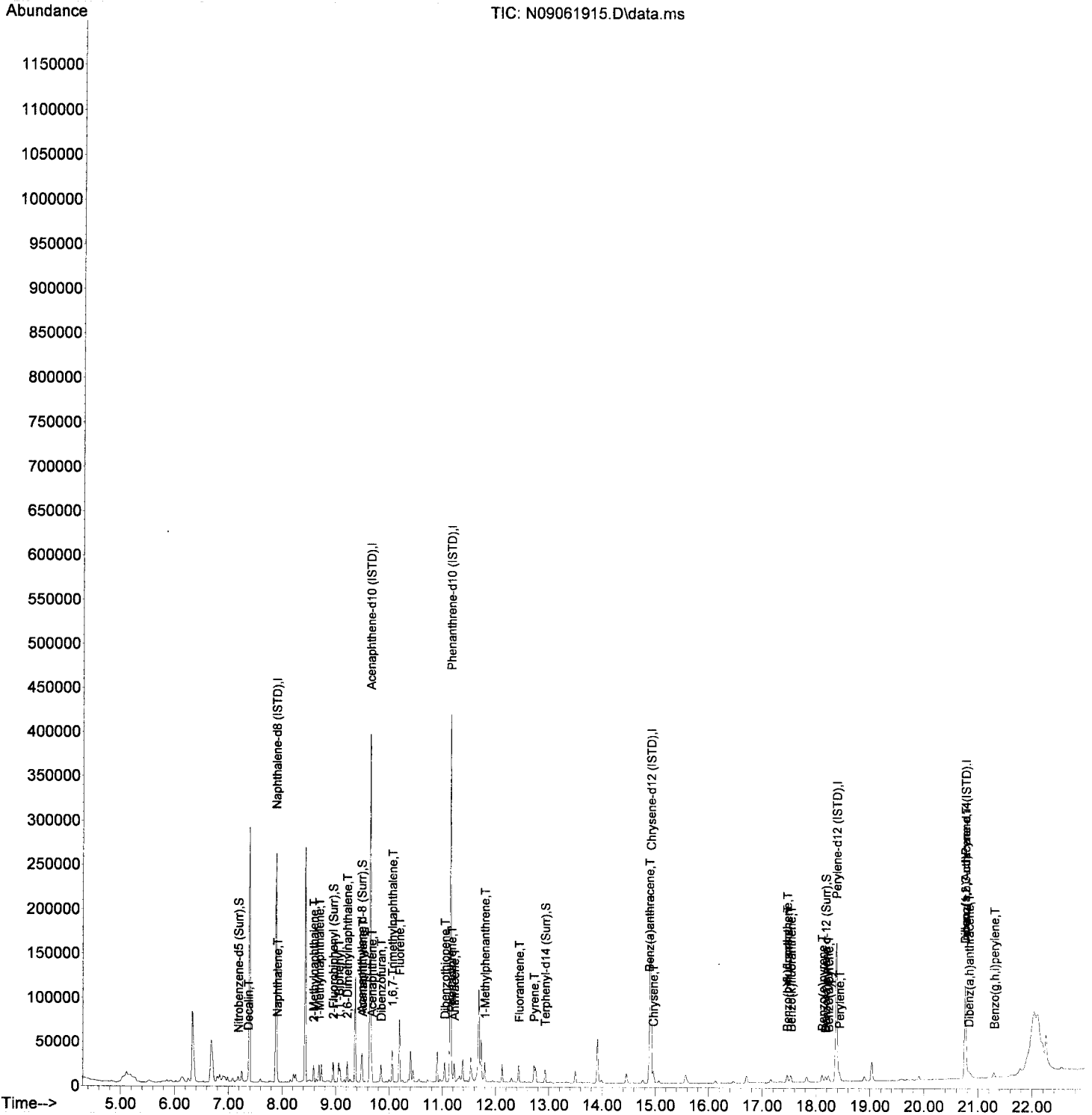
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	165670	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	115422	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	210311	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	150233	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	124460	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	83358	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	2621	4.76	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	8548	4.96	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	14409	4.79	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	7787	4.93	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	4638	4.66	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	582	4.72	ng/ml		91
4) Naphthalene	7.906	128	9092	4.93	ng/ml		99
5) 2-Methylnaphthalene	8.588	142	7294	4.71	ng/ml		97
6) 1-Methylnaphthalene	8.688	142	6937	4.48	ng/ml		96
7) 1,1'-Biphenyl	9.055	154	9300	4.47	ng/ml		96
8) 2,6-Dimethylnaphthalene	9.212	156	6755	4.44	ng/ml		99
12) Acenaphthylene	9.498	152	12342	4.93	ng/ml		99
13) Acenaphthene	9.673	153	8103	4.94	ng/ml		98
14) Dibenzofuran	9.847	168	10021	4.87	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	10.057	170	6769	4.92	ng/ml		98
16) Fluorene	10.191	166	8130	4.84	ng/ml		99
18) Dibenzothiopene	11.042	184	11105	5.05	ng/ml		97
19) Phenanthrene	11.171	178	11957	4.86	ng/ml		98
20) Anthracene	11.223	178	11026	4.82	ng/ml		99
21) Carbazole	11.380	167	8513	No Calib			
22) 1-Methylphenanthrene	11.794	192	8212	4.80	ng/ml		99
23) Fluoranthene	12.435	202	11610	4.68	ng/ml		98
25) Pyrene	12.721	202	11908	5.07	ng/ml		100
27) Benz(a)anthracene	14.883	228	8173	4.69	ng/ml		96
28) Chrysene	14.959	228	8164	4.95	ng/ml		96
30) Benzo(b)fluoranthene	17.460	252	6625	4.61	ng/ml		95
31) Benzo(k)fluoranthene	17.530	252	6760	4.78	ng/ml		96
32) Benzo(b+k)fluoranthene	17.460	252	13896	4.73	ng/ml		93
34) Benzo(e)pyrene	18.112	252	6692	4.61	ng/ml		98
35) Benzo(a)pyrene	18.229	252	5344	4.35	ng/ml		99
36) Perylene	18.433	252	7462	4.93	ng/ml		97
38) Indeno(1,2,3-cd)Pyrene	20.759	276	4940	4.80	ng/ml		95
39) Dibenz(a,h)anthracene	20.829	278	4673	4.84	ng/ml		98
40) Benzo(g,h,i)perylene	21.295	276	5171	4.74	ng/ml		92

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061915.D
 Acq On : 06 Sep 2019 05:55 pm
 Operator :
 Sample : 9I06028-CAL3
 Misc : 1x, A19I017@5
 ALS Vial : 5 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:00 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061916.D
 Acq On : 06 Sep 2019 06:27 pm
 Operator :
 Sample : 9I06028-CAL4
 Misc : 1x, A19I018@10
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:05 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

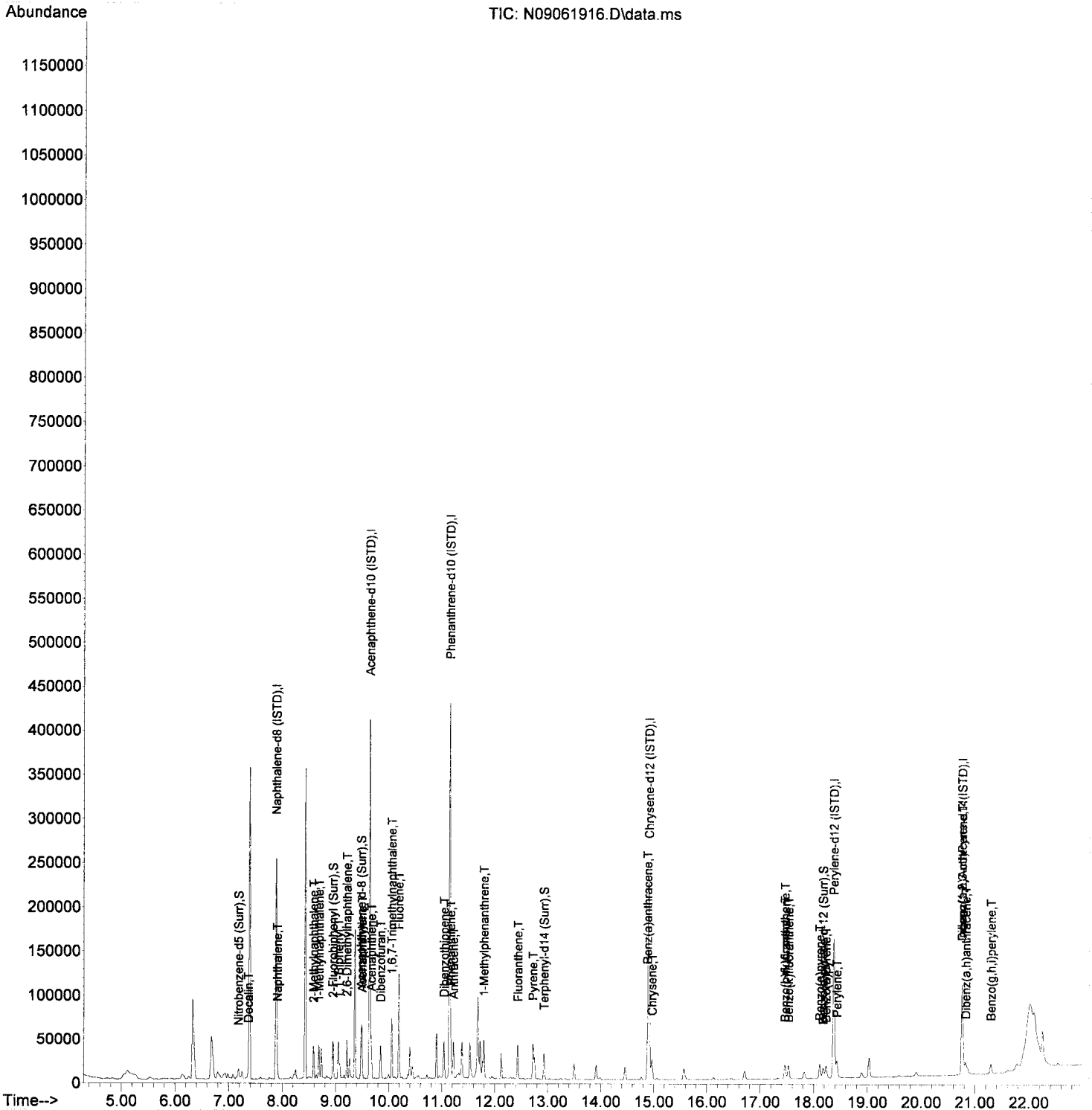
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	160906	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	118305	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	216396	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	153303	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	125859	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	82058	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	5073	9.49	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	17737	10.05	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	27001	9.97	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	16215	10.06	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	9551	9.49	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.365	138	1106	9.23	ng/ml		96
4) Naphthalene	7.907	128	18065	10.18	ng/ml		98
5) 2-Methylnaphthalene	8.589	142	14250	9.48	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	14747	9.81	ng/ml		97
7) 1,1'-Biphenyl	9.055	154	19088	9.44	ng/ml		99
8) 2,6-Dimethylnaphthalene	9.212	156	13690	9.27	ng/ml		97
12) Acenaphthylene	9.498	152	25683	10.00	ng/ml		98
13) Acenaphthene	9.673	153	16768	9.97	ng/ml		99
14) Dibenzofuran	9.848	168	21062	10.00	ng/ml		97
15) 1,6,7-Trimethylnaphtha...	10.057	170	13937	9.88	ng/ml		99
16) Fluorene	10.191	166	16819	9.77	ng/ml		100
18) Dibenzothiopene	11.042	184	22465	9.93	ng/ml		98
19) Phenanthrene	11.171	178	25204	9.95	ng/ml		100
20) Anthracene	11.223	178	22988	9.76	ng/ml		100
21) Carbazole	11.380	167	17697	No Calib			
22) 1-Methylphenanthrene	11.794	192	17190	9.77	ng/ml		100
23) Fluoranthene	12.435	202	24321	9.53	ng/ml		98
25) Pyrene	12.721	202	25073	10.47	ng/ml		99
27) Benz(a)anthracene	14.883	228	16760	9.42	ng/ml		97
28) Chrysene	14.965	228	16658	9.89	ng/ml		99
30) Benzo(b)fluoranthene	17.466	252	13743	9.46	ng/ml		97
31) Benzo(k)fluoranthene	17.530	252	13038	9.12	ng/ml		95
32) Benzo(b+k)fluoranthene	17.466	252	28065	9.45	ng/ml		95
34) Benzo(e)pyrene	18.113	252	13726	9.35	ng/ml		98
35) Benzo(a)pyrene	18.229	252	11353	9.13	ng/ml		99
36) Perylene	18.433	252	14964	9.77	ng/ml		97
38) Indeno(1,2,3-cd)Pyrene	20.759	276	9774	9.66	ng/ml		91
39) Dibenz(a,h)anthracene	20.829	278	9159	9.63	ng/ml		90
40) Benzo(g,h,i)perylene	21.295	276	10267	9.56	ng/ml		92

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061916.D
 Acq On : 06 Sep 2019 06:27 pm
 Operator :
 Sample : 9I06028-CAL4
 Misc : 1x, A19I018@10
 ALS Vial : 6 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:05 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061917.D
 Acq On : 06 Sep 2019 07:00 pm
 Operator :
 Sample : 9I06028-CAL5
 Misc : 1x, A19I019@25
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LV114_BNA_ACQ.M

Quant Time: Sep 09 14:47:10 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

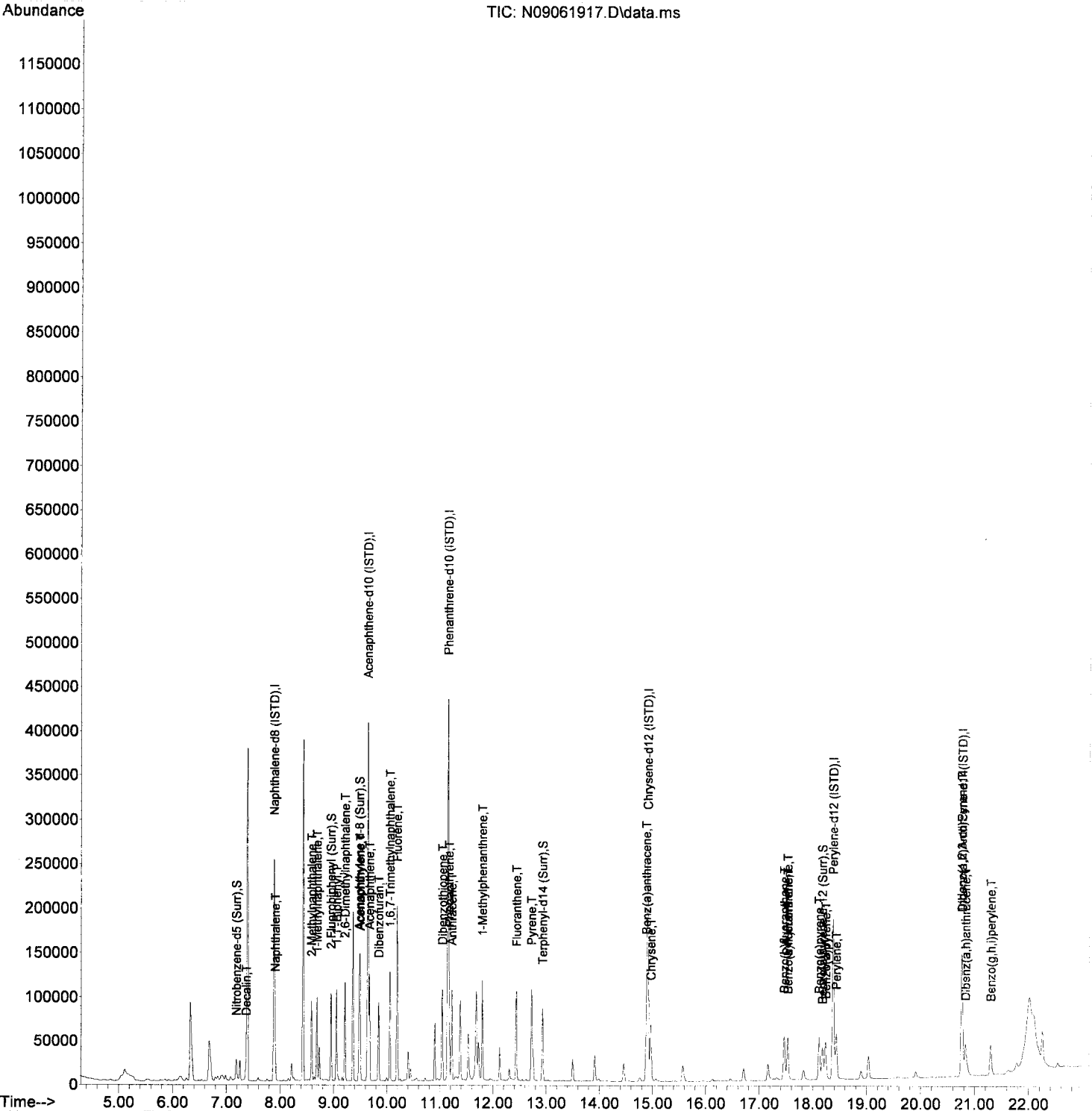
Handwritten: Jd 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	158689	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	118239	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	219818	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	167298	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	142122	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.765	292	96960	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	12124	22.99	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	44333	25.13	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	62320	24.95	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	44339	25.20	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	27791	24.45	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.365	138	2777	23.50	ng/ml		94
4) Naphthalene	7.907	128	43246	24.71	ng/ml		99
5) 2-Methylnaphthalene	8.589	142	35507	23.94	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	36615	24.69	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	47414	23.77	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	35377	24.28	ng/ml		98
12) Acenaphthylene	9.498	152	64887	25.28	ng/ml		98
13) Acenaphthene	9.673	153	41951	24.95	ng/ml	100	
14) Dibenzofuran	9.848	168	52926	25.13	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.057	170	34543	24.50	ng/ml		99
16) Fluorene	10.191	166	43186	25.10	ng/ml		99
18) Dibenzothiopene	11.042	184	56622	24.63	ng/ml		98
19) Phenanthrene	11.171	178	63419	24.66	ng/ml	100	
20) Anthracene	11.223	178	58731	24.55	ng/ml		99
21) Carbazole	11.380	167	47604	No Calib			
22) 1-Methylphenanthrene	11.794	192	44094	24.68	ng/ml		99
23) Fluoranthene	12.435	202	63845	24.64	ng/ml		99
25) Pyrene	12.721	202	66093	25.29	ng/ml		99
27) Benz(a)anthracene	14.883	228	46578	23.98	ng/ml		99
28) Chrysene	14.965	228	45910	24.98	ng/ml		99
30) Benzo(b)fluoranthene	17.466	252	40093	24.45	ng/ml		97
31) Benzo(k)fluoranthene	17.530	252	40088	24.83	ng/ml		98
32) Benzo(b+k)fluoranthene	17.530	252	83294	24.83	ng/ml		98
34) Benzo(e)pyrene	18.113	252	40463	24.40	ng/ml		98
35) Benzo(a)pyrene	18.235	252	34709	24.73	ng/ml		99
36) Perylene	18.433	252	43783	25.33	ng/ml	100	
38) Indeno(1,2,3-cd)Pyrene	20.759	276	28895	24.16	ng/ml		94
39) Dibenz(a,h)anthracene	20.829	278	27156	24.16	ng/ml		92
40) Benzo(g,h,i)perylene	21.295	276	31234	24.62	ng/ml		92

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061917.D
 Acq On : 06 Sep 2019 07:00 pm
 Operator :
 Sample : 9I06028-CAL5
 Misc : 1x, A19I019@25
 ALS Vial : 7 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:10 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061918.D
 Acq On : 06 Sep 2019 07:32 pm
 Operator :
 Sample : 9I06028-CAL6
 Misc : 1x, A19I020@50
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:15 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

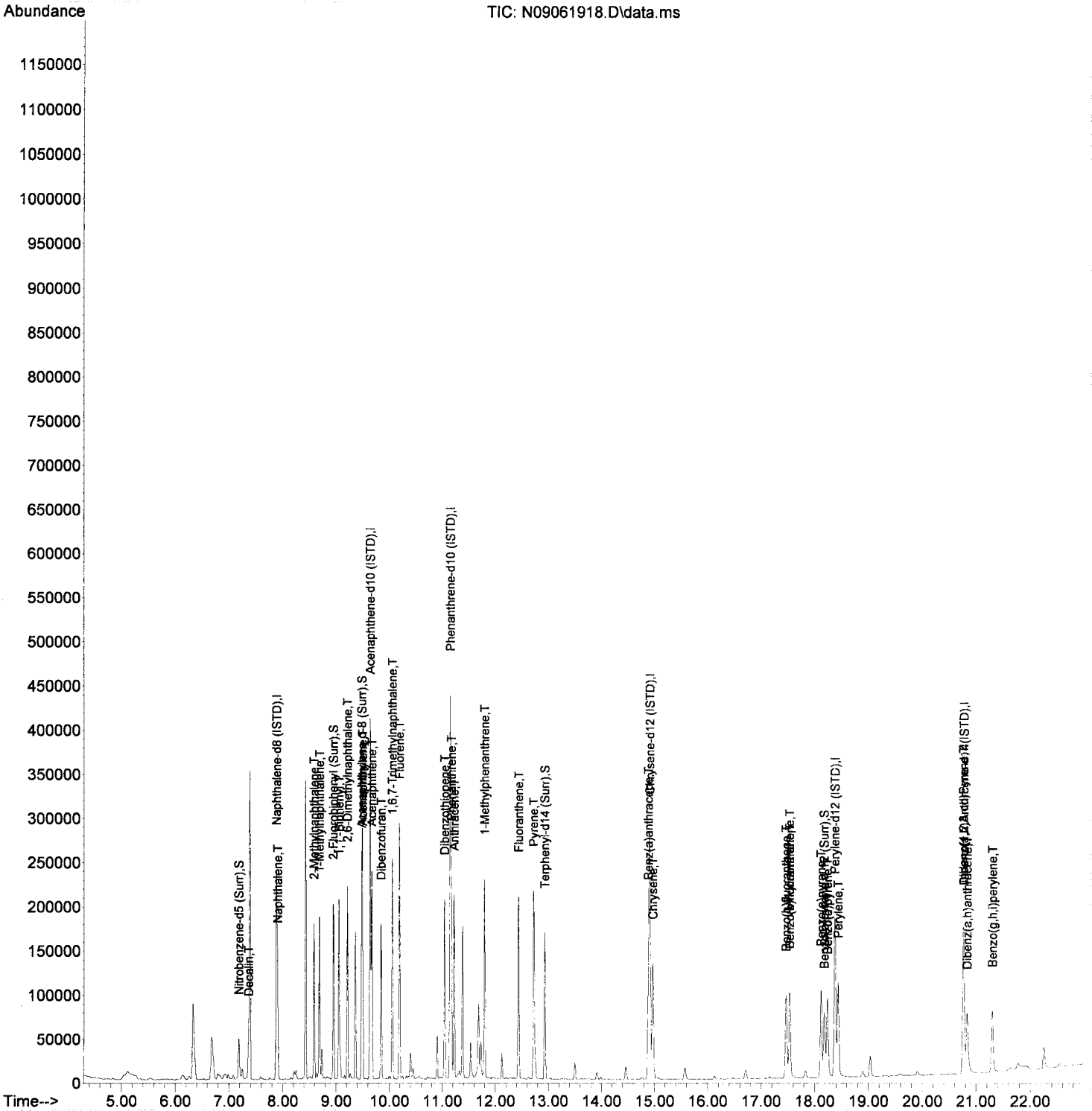
JD 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	148351	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	117951	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	219661	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	169841	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.375	264	142416	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.765	292	93265	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	23996	48.68	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	87417	49.68	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	119179	49.18	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	88785	49.70	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.177	264	57544	50.53	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	5568	50.41	ng/ml		97
4) Naphthalene	7.907	128	80326	49.09	ng/ml		99
5) 2-Methylnaphthalene	8.589	142	69811	50.35	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	71477	51.56	ng/ml		97
7) 1,1'-Biphenyl	9.055	154	93359	50.06	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	69912	51.34	ng/ml		97
12) Acenaphthylene	9.498	152	128075	50.02	ng/ml		99
13) Acenaphthene	9.673	153	82212	49.02	ng/ml		100
14) Dibenzofuran	9.848	168	104783	49.88	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.057	170	68907	48.99	ng/ml		99
16) Fluorene	10.191	166	85319	49.71	ng/ml		100
18) Dibenzothiopene	11.042	184	113451	49.38	ng/ml		98
19) Phenanthrene	11.171	178	126501	49.21	ng/ml		100
20) Anthracene	11.223	178	118187	49.43	ng/ml		99
21) Carbazole	11.380	167	95634	No Calib			
22) 1-Methylphenanthrene	11.794	192	88417	49.52	ng/ml		99
23) Fluoranthene	12.435	202	128587	49.65	ng/ml		99
25) Pyrene	12.721	202	133393	50.27	ng/ml		100
27) Benz(a)anthracene	14.883	228	93207	47.27	ng/ml		100
28) Chrysene	14.965	228	91866	49.23	ng/ml		99
30) Benzo(b)fluoranthene	17.466	252	82867	50.43	ng/ml		98
31) Benzo(k)fluoranthene	17.530	252	79638	49.22	ng/ml		97
32) Benzo(b+k)fluoranthene	17.530	252	167848	49.93	ng/ml		97
34) Benzo(e)pyrene	18.118	252	81957	49.32	ng/ml		99
35) Benzo(a)pyrene	18.235	252	71520	50.85	ng/ml		98
36) Perylene	18.433	252	86757	50.08	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.759	276	57046	49.59	ng/ml		90
39) Dibenz(a,h)anthracene	20.829	278	53335	49.34	ng/ml		90
40) Benzo(g,h,i)perylene	21.295	276	61905	50.73	ng/ml		90

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061918.D
 Acq On : 06 Sep 2019 07:32 pm
 Operator :
 Sample : 9I06028-CAL6
 Misc : 1x, A19I020@50
 ALS Vial : 8 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:15 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061919.D
 Acq On : 06 Sep 2019 08:04 pm
 Operator :
 Sample : 9I06028-CAL7
 Misc : 1x, A19I021@100
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:19 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

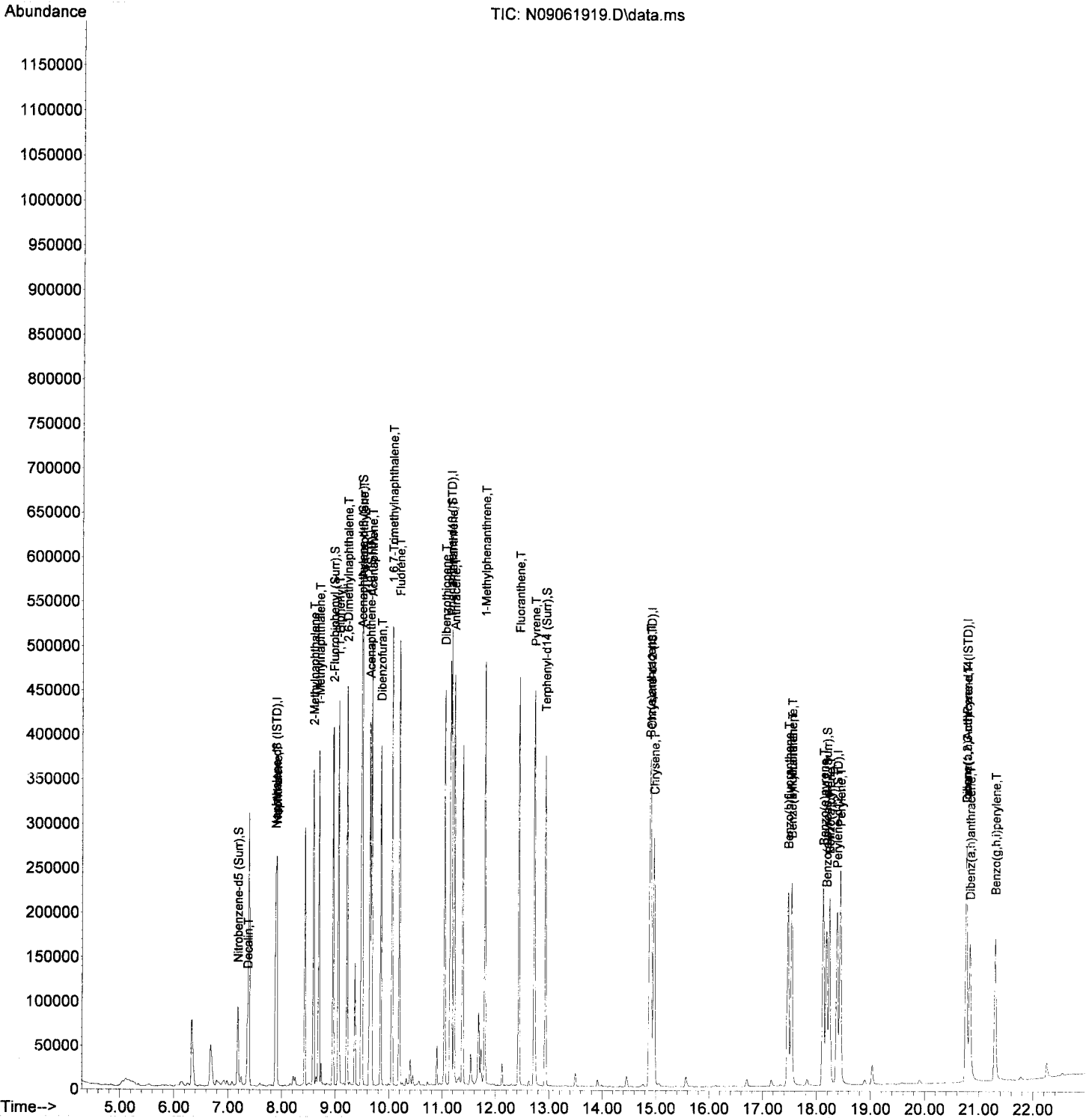
JD 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	148917	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	121411	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	233582	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.907	240	187274	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	159070	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.764	292	103600	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	48056	97.11	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	182001	100.48	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	248072	101.01	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	196418	99.72	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.182	264	134446	105.69	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	11430	103.09	ng/ml		94
4) Naphthalene	7.906	128	161201	98.15	ng/ml		100
5) 2-Methylnaphthalene	8.588	142	143766	103.29	ng/ml		99
6) 1-Methylnaphthalene	8.687	142	146804	105.50	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	197491	105.50	ng/ml		99
8) 2,6-Dimethylnaphthalene	9.212	156	148070	108.31	ng/ml		97
12) Acenaphthylene	9.498	152	272913	103.54	ng/ml		99
13) Acenaphthene	9.672	153	175245	101.51	ng/ml		100
14) Dibenzofuran	9.847	168	222327	102.81	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.057	170	147218	101.68	ng/ml		100
16) Fluorene	10.191	166	185216	104.84	ng/ml		99
18) Dibenzothiopene	11.042	184	245278	100.40	ng/ml		98
19) Phenanthrene	11.170	178	270427	98.94	ng/ml		100
20) Anthracene	11.223	178	259236	101.96	ng/ml		99
21) Carbazole	11.380	167	211369	No Calib			
22) 1-Methylphenanthrene	11.794	192	192550	101.41	ng/ml		98
23) Fluoranthene	12.435	202	280652	101.91	ng/ml		99
25) Pyrene	12.727	202	292089	99.83	ng/ml		99
27) Benz(a)anthracene	14.889	228	213884	98.37	ng/ml		99
28) Chrysene	14.971	228	205074	99.67	ng/ml		99
30) Benzo(b)fluoranthene	17.471	252	189979	103.50	ng/ml		97
31) Benzo(k)fluoranthene	17.535	252	190175	105.23	ng/ml		97
32) Benzo(b+k)fluoranthene	17.535	252	390913	104.11	ng/ml		97
34) Benzo(e)pyrene	18.124	252	188367	101.49	ng/ml		98
35) Benzo(a)pyrene	18.241	252	165951	105.68	ng/ml		99
36) Perylene	18.439	252	198533	102.60	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.764	276	130568	102.18	ng/ml		90
39) Dibenz(a,h)anthracene	20.834	278	122057	101.65	ng/ml		90
40) Benzo(g,h,i)perylene	21.301	276	143780	106.06	ng/ml		91

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061919.D
 Acq On : 06 Sep 2019 08:04 pm
 Operator :
 Sample : 9I06028-CAL7
 Misc : 1x, A19I021@100
 ALS Vial : 9 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:19 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061920.D
 Acq On : 06 Sep 2019 08:37 pm
 Operator :
 Sample : 9I06028-CAL8
 Misc : 1x, A19I022@200
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:30 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

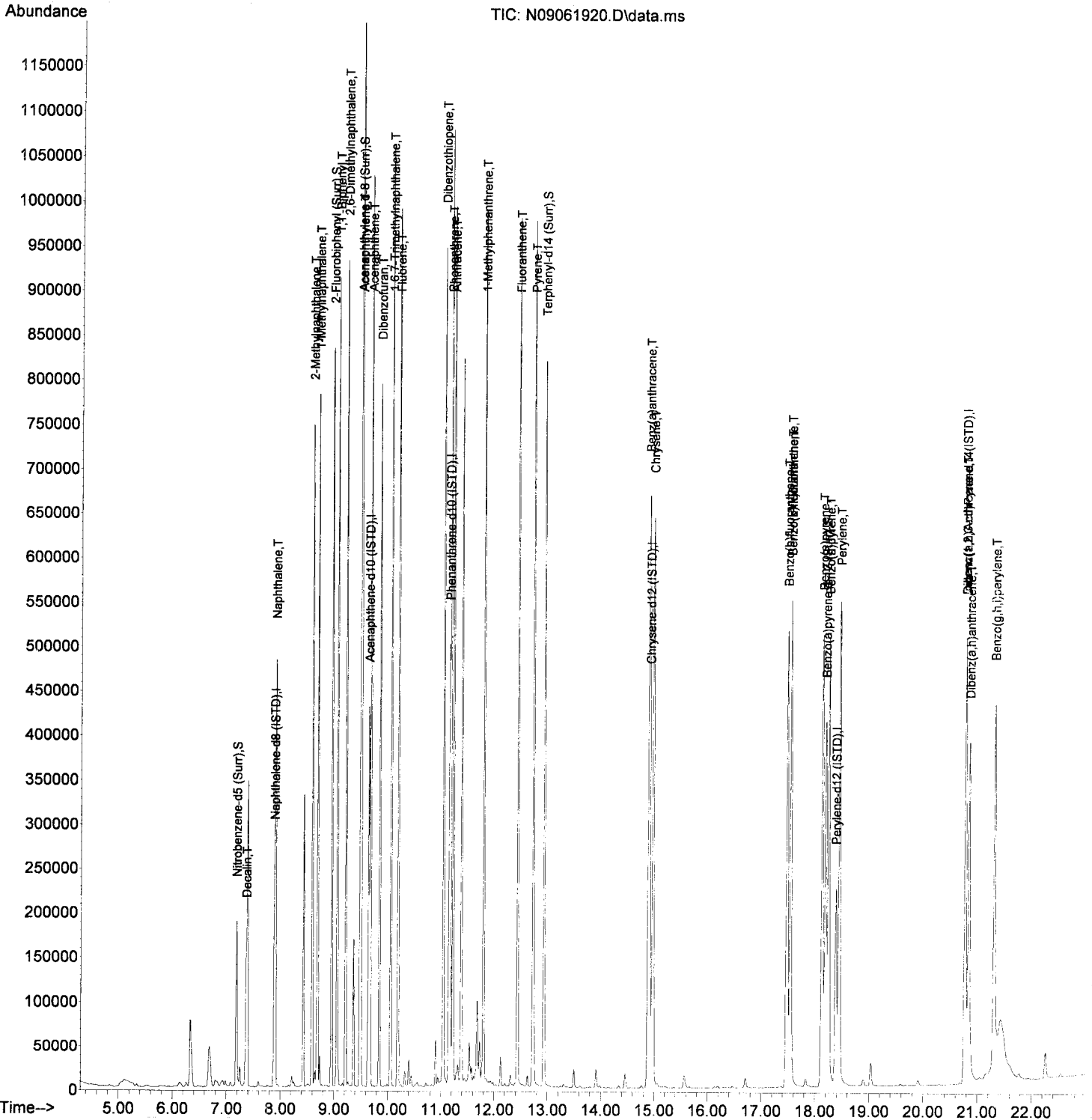
JK 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	148783	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	126650	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	244292	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.913	240	211033	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.381	264	182214	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.770	292	126578	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	99288	200.83	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.956	172	378966	200.57	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.486	160	514554	202.58	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	430770	194.09	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.188	264	322602	221.39	ng/ml	0.01	
Target Compounds							
3) Decalin	7.364	138	22829	206.09	ng/ml		Qvalue 95
4) Naphthalene	7.907	128	324908	198.00	ng/ml		100
5) 2-Methylnaphthalene	8.588	142	297992	214.30	ng/ml		98
6) 1-Methylnaphthalene	8.688	142	304942	219.34	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	413306	220.99	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	307564	225.18	ng/ml		99
12) Acenaphthylene	9.498	152	568160	206.64	ng/ml		99
13) Acenaphthene	9.673	153	362489	201.28	ng/ml		100
14) Dibenzofuran	9.848	168	462691	205.12	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	10.057	170	307091	203.33	ng/ml		98
16) Fluorene	10.197	166	391380	212.38	ng/ml		99
18) Dibenzothiopene	11.042	184	515882	201.91	ng/ml		98
19) Phenanthrene	11.171	178	575793	201.42	ng/ml		100
20) Anthracene	11.223	178	544931	204.94	ng/ml		99
21) Carbazole	11.380	167	461912	No Calib			
22) 1-Methylphenanthrene	11.800	192	411489	207.21	ng/ml		99
23) Fluoranthene	12.435	202	599723	208.23	ng/ml		99
25) Pyrene	12.727	202	623857	189.22	ng/ml		100
27) Benz(a)anthracene	14.889	228	484834	197.88	ng/ml		99
28) Chrysene	14.971	228	465584	200.80	ng/ml		99
30) Benzo(b)fluoranthene	17.477	252	448476	213.30	ng/ml		96
31) Benzo(k)fluoranthene	17.541	252	445148	215.03	ng/ml		97
32) Benzo(b+k)fluoranthene	17.541	252	917698	213.36	ng/ml		97
34) Benzo(e)pyrene	18.130	252	441980	207.89	ng/ml		99
35) Benzo(a)pyrene	18.247	252	395245	219.68	ng/ml		98
36) Perylene	18.451	252	467343	210.85	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.770	276	319524	204.65	ng/ml		89
39) Dibenz(a,h)anthracene	20.840	278	302142	205.95	ng/ml		89
40) Benzo(g,h,i)perylene	21.307	276	353209	213.26	ng/ml		90

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061920.D
 Acq On : 06 Sep 2019 08:37 pm
 Operator :
 Sample : 9I06028-CAL8
 Misc : 1x, A19I022@200
 ALS Vial : 10 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:30 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061921.D
 Acq On : 06 Sep 2019 09:09 pm
 Operator :
 Sample : 9I06028-CAL9
 Misc : 1x, A19I023@300
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:34 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

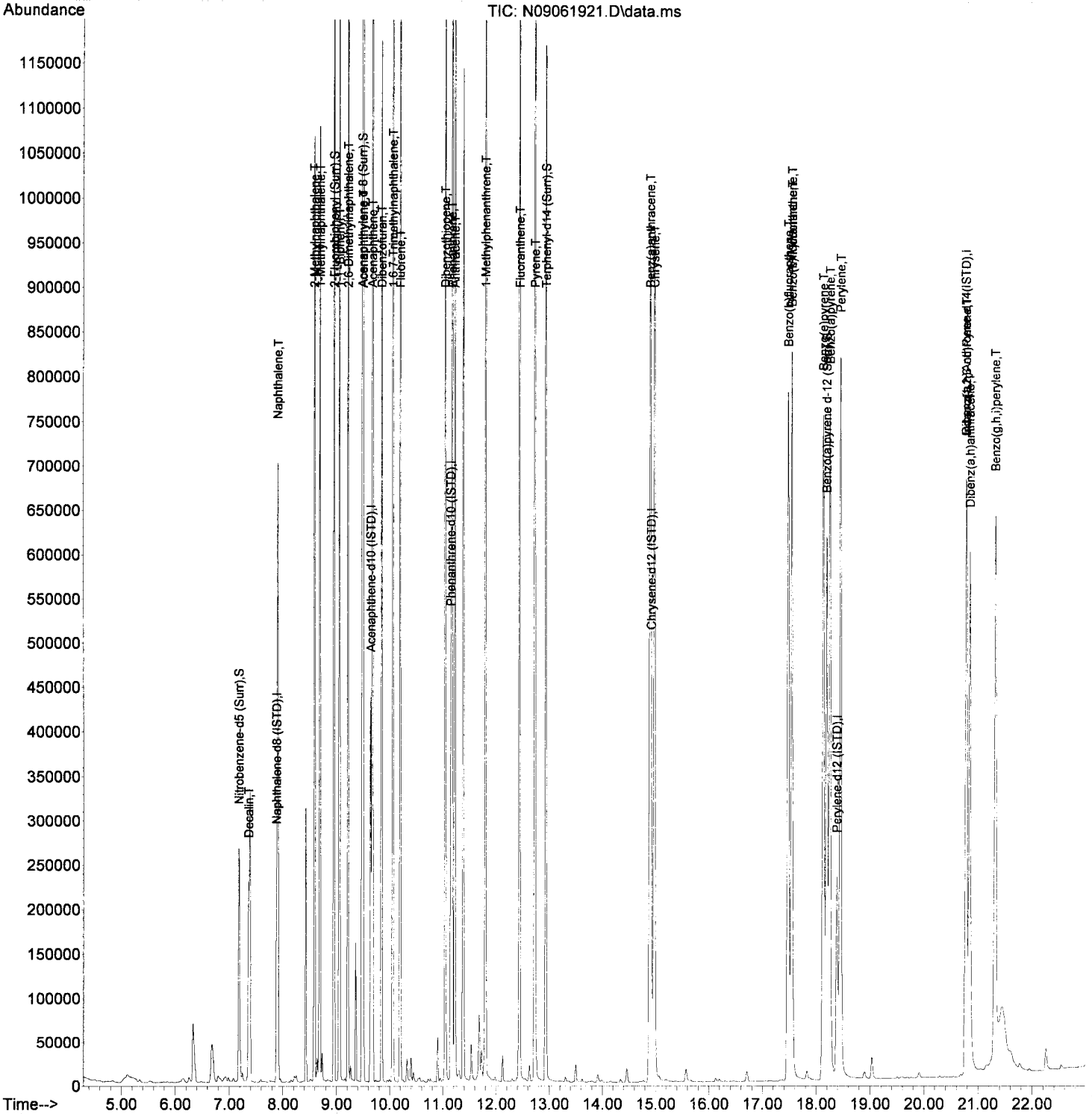
9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.883	136	144322	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.643	162	126204	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	242216	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.918	240	215566	100.00	ng/ml	0.01	
29) Perylene-d12 (ISTD)	18.386	264	189767	100.00	ng/ml	0.01	
37) Dibenz(a,h)Anthracene-d...	20.776	292	133133	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.184	82	146381	305.23	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.955	172	559316	297.07	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.486	160	745779	295.55	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.936	244	642064	283.20	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.194	264	500951	330.10	ng/ml	0.02	
Target Compounds							
							Qvalue
3) Decalin	7.364	138	32583	303.24	ng/ml		97
4) Naphthalene	7.906	128	466678	293.18	ng/ml		100
5) 2-Methylnaphthalene	8.588	142	433604	321.46	ng/ml		99
6) 1-Methylnaphthalene	8.693	142	439781	326.10	ng/ml		99
7) 1,1'-Biphenyl	9.055	154	601929	331.80	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.218	156	447080	337.45	ng/ml		99
12) Acenaphthylene	9.498	152	818063	298.58	ng/ml		99
13) Acenaphthene	9.672	153	525474	292.81	ng/ml		99
14) Dibenzofuran	9.847	168	670519	298.30	ng/ml		100
15) 1,6,7-Trimethylnaphtha...	10.057	170	446194	296.47	ng/ml		97
16) Fluorene	10.197	166	565155	307.76	ng/ml		99
18) Dibenzothiopene	11.042	184	757296	298.94	ng/ml		98
19) Phenanthrene	11.170	178	823752	290.63	ng/ml		99
20) Anthracene	11.223	178	800967	303.81	ng/ml		100
21) Carbazole	11.380	167	683176	No Calib			
22) 1-Methylphenanthrene	11.800	192	600130	304.80	ng/ml		99
23) Fluoranthene	12.441	202	885026	309.92	ng/ml		98
25) Pyrene	12.727	202	915663	271.88	ng/ml		100
27) Benz(a)anthracene	14.895	228	736689	294.35	ng/ml		100
28) Chrysene	14.976	228	698605	294.96	ng/ml		99
30) Benzo(b)fluoranthene	17.483	252	692733	316.36	ng/ml		96
31) Benzo(k)fluoranthene	17.547	252	681890	316.29	ng/ml		97
32) Benzo(b+k)fluoranthene	17.547	252	1407871	314.29	ng/ml		97
34) Benzo(e)pyrene	18.136	252	676479	305.53	ng/ml		99
35) Benzo(a)pyrene	18.258	252	607972	324.39	ng/ml		98
36) Perylene	18.456	252	713926	309.27	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.782	276	498760	303.72	ng/ml		88
39) Dibenz(a,h)anthracene	20.846	278	471957	305.86	ng/ml		90
40) Benzo(g,h,i)perylene	21.318	276	546350	313.63	ng/ml		89

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061921.D
 Acq On : 06 Sep 2019 09:09 pm
 Operator :
 Sample : 9I06028-CAL9
 Misc : 1x, A19I023@300
 ALS Vial : 11 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:34 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061922.D
 Acq On : 06 Sep 2019 09:41 pm
 Operator :
 Sample : 9I06028-CALA
 Misc : 1x, A19I024@400
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

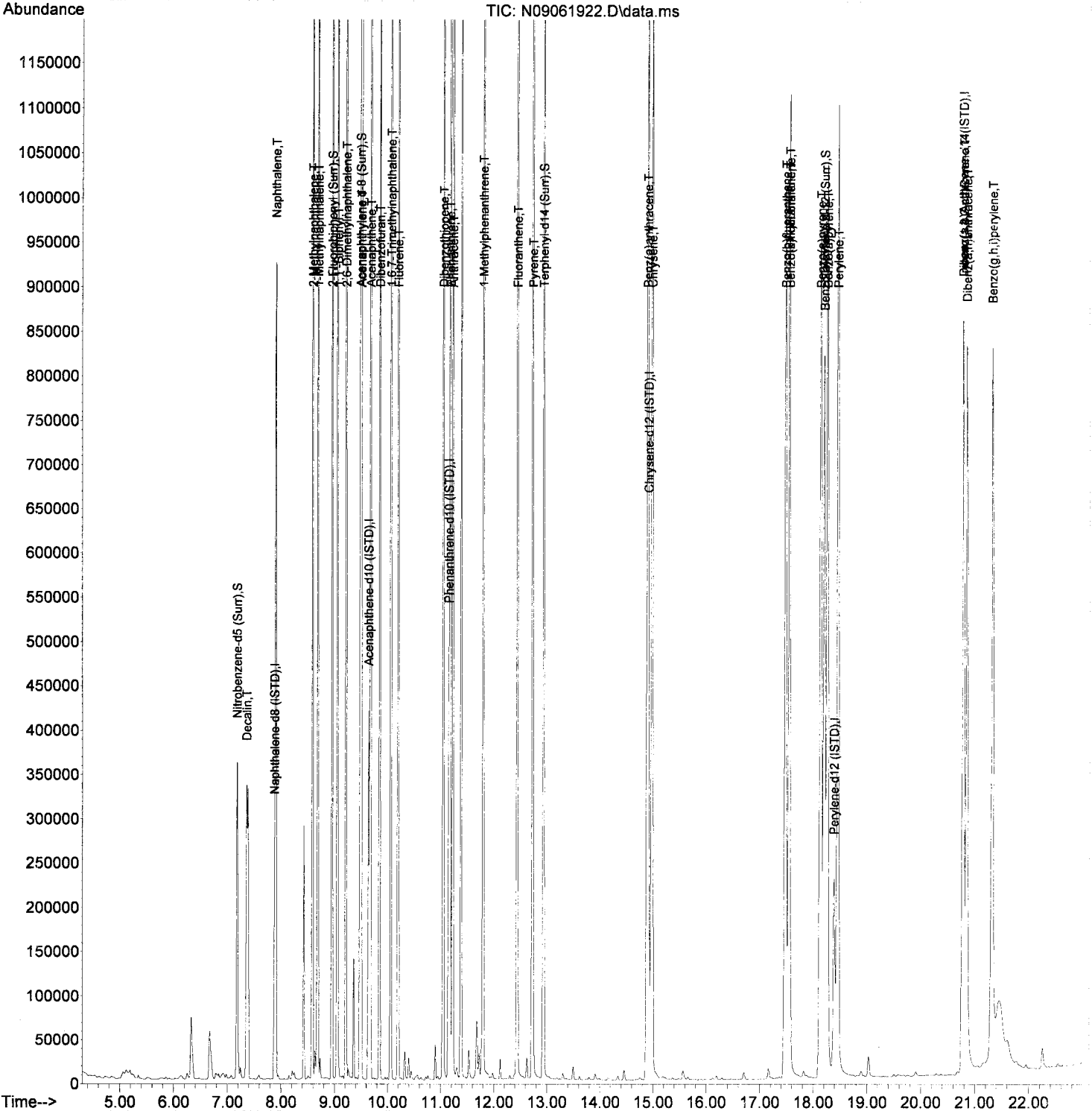
Handwritten signature and date: 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.877	136	151798	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	120378	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.147	188	227701	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.913	240	211373	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.387	264	191099	100.00	ng/ml	0.01	
37) Dibenz(a,h)Anthracene-d...	20.776	292	134738	100.00	ng/ml	0.01	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.178	82	204654	405.72	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	721151	401.56	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.480	160	964800	401.86	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.931	244	855839	384.98	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.200	264	689197	450.98	ng/ml	0.02	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	49479	437.80	ng/ml		96
4) Naphthalene	7.901	128	662079	395.46	ng/ml		100
5) 2-Methylnaphthalene	8.589	142	592165	417.39	ng/ml		99
6) 1-Methylnaphthalene	8.688	142	595669	419.94	ng/ml		98
7) 1,1'-Biphenyl	9.055	154	776505	406.95	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.212	156	574431	412.22	ng/ml		99
12) Acenaphthylene	9.498	152	1039006	397.57	ng/ml		99
13) Acenaphthene	9.673	153	672408	392.83	ng/ml		99
14) Dibenzofuran	9.848	168	849810	396.36	ng/ml		99
15) 1,6,7-Trimethylnaphtha...	10.057	170	567245	395.14	ng/ml		98
16) Fluorene	10.191	166	710688	405.74	ng/ml		99
18) Dibenzothiopene	11.042	184	950081	398.95	ng/ml		98
19) Phenanthrene	11.171	178	1041489	390.88	ng/ml		99
20) Anthracene	11.223	178	1015402	409.70	ng/ml		100
21) Carbazole	11.380	167	865078	No Calib			
22) 1-Methylphenanthrene	11.794	192	771189	416.65	ng/ml		99
23) Fluoranthene	12.435	202	1148955	427.99	ng/ml		98
25) Pyrene	12.727	202	1201811	363.93	ng/ml		100
27) Benz(a)anthracene	14.889	228	991720	404.11	ng/ml		99
28) Chrysene	14.977	228	942172	405.69	ng/ml		99
30) Benzo(b)fluoranthene	17.483	252	952609	432.01	ng/ml		96
31) Benzo(k)fluoranthene	17.553	252	938589	432.32	ng/ml		96
32) Benzo(b+k)fluoranthene	17.553	252	1935514	429.07	ng/ml		96
34) Benzo(e)pyrene	18.136	252	924774	414.75	ng/ml		99
35) Benzo(a)pyrene	18.258	252	837229	443.59	ng/ml		98
36) Perylene	18.456	252	976822	420.21	ng/ml		99
38) Indeno(1,2,3-cd)Pyrene	20.782	276	691371	416.00	ng/ml		88
39) Dibenz(a,h)anthracene	20.846	278	656172	420.18	ng/ml		89
40) Benzo(g,h,i)perylene	21.318	276	751545	426.28	ng/ml		89

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061922.D
 Acq On : 06 Sep 2019 09:41 pm
 Operator :
 Sample : 9I06028-CALA
 Misc : 1x, A19I024@400
 ALS Vial : 12 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:49 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 10:14:28 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

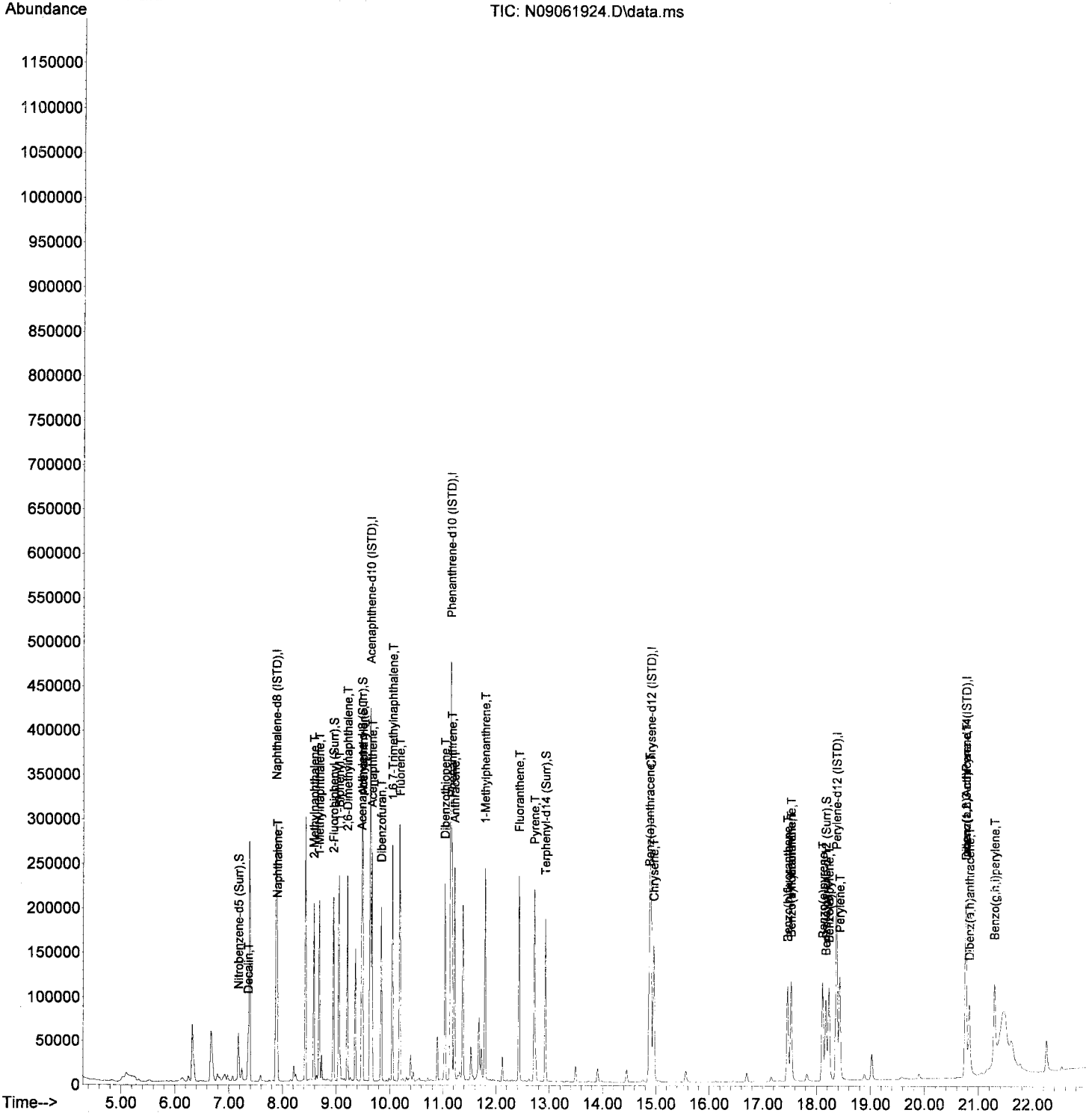
Handwritten signature/initials
 9/9/19

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.877	136	181748	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	125177	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.141	188	235054	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.901	240	188693	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.369	264	162940	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthrcene-d...	20.759	292	108931	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.178	82	27909	46.21	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	92755	49.67	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.474	160	126796	49.31	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.925	244	96645	48.70	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.171	264	69335	53.21	ng/ml	0.00	
Target Compounds							
3) Decalin	7.359	138	6597	48.75	ng/ml		Qvalue 96
4) Naphthalene	7.901	128	100112	49.94	ng/ml		99
5) 2-Methylnaphthalene	8.583	142	79542	46.83	ng/ml		99
6) 1-Methylnaphthalene	8.682	142	81122	47.77	ng/ml		98
7) 1,1'-Biphenyl	9.049	154	105870	46.34	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.206	156	76410	45.80	ng/ml		98
12) Acenaphthylene	9.492	152	141177	51.95	ng/ml		99
13) Acenaphthene	9.667	153	89594	50.33	ng/ml	100	
14) Dibenzofuran	9.842	168	113513	50.91	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.052	170	74864	50.15	ng/ml		99
16) Fluorene	10.191	166	92650	50.87	ng/ml		98
18) Dibenzothiopene	11.037	184	122412	49.79	ng/ml		98
19) Phenanthrene	11.165	178	138621	50.40	ng/ml	100	
20) Anthracene	11.217	178	132505	51.79	ng/ml		99
21) Carbazole	11.375	167	104923	No Calib			
22) 1-Methylphenanthrene	11.788	192	98289	51.44	ng/ml	100	
23) Fluoranthene	12.430	202	140103	50.56	ng/ml		99
25) Pyrene	12.721	202	144864	49.14	ng/ml		99
27) Benz(a)anthracene	14.878	228	106201	48.48	ng/ml		99
28) Chrysene	14.959	228	108583	52.38	ng/ml		99
30) Benzo(b)fluoranthene	17.460	252	95110	50.59	ng/ml		97
31) Benzo(k)fluoranthene	17.524	252	92505	49.97	ng/ml		97
32) Benzo(b+k)fluoranthene	17.524	252	193724	50.37	ng/ml		97
34) Benzo(e)pyrene	18.113	252	95583	50.28	ng/ml		98
35) Benzo(a)pyrene	18.229	252	82357	51.18	ng/ml		99
36) Perylene	18.427	252	100869	50.89	ng/ml	100	
38) Indeno(1,2,3-cd)Pyrene	20.759	276	67142	49.97	ng/ml		89
39) Dibenz(a,h)anthracene	20.823	278	62283	49.33	ng/ml		90
40) Benzo(g,h,i)perylene	21.289	276	76359	53.57	ng/ml		91

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

Data Path : N:\data\2019-09\9I06028\
Data File : N09061924.D
Acq On : 06 Sep 2019 10:45 pm
Operator :
Sample : 9I06028-ICV1
Misc : 1x, A19I025@50
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 09 14:47:49 2019
Quant Method : N:\methods\SV14_090619_PAH.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Sep 09 10:14:28 2019
Response via : Initial Calibration
InstName : SV-GCMS14



Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Final Request

Quant Time: Sep 10 10:28:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14

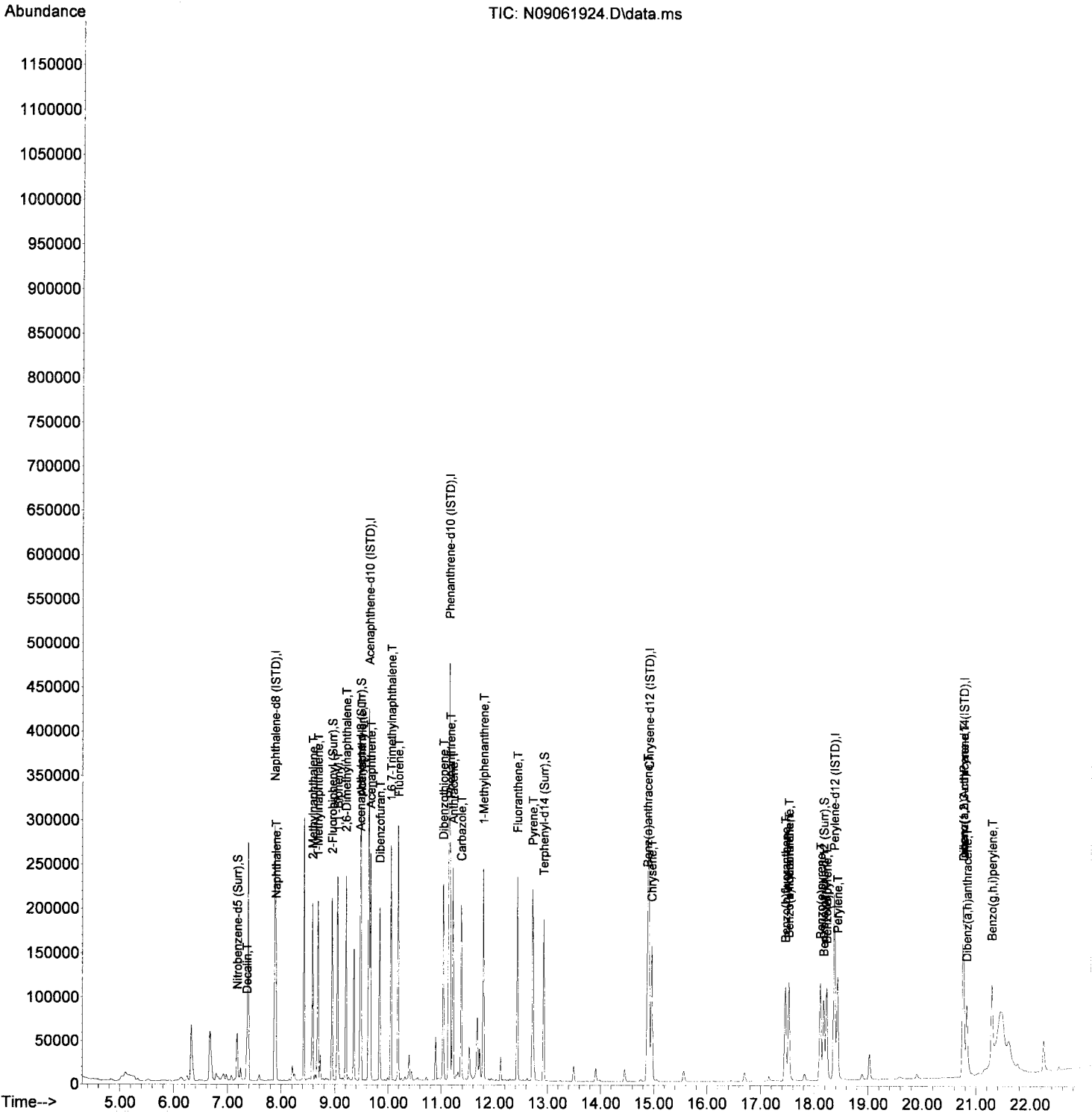
JD 9/10/19

Compound	R.T.	QIon	Response	Conc	Units	Dev (Min)	
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.877	136	181748	100.00	ng/ml	0.00	
9) Acenaphthene-d10 (ISTD)	9.638	162	125177	100.00	ng/ml	0.00	
17) Phenanthrene-d10 (ISTD)	11.141	188	235054	100.00	ng/ml	0.00	
24) Chrysene-d12 (ISTD)	14.901	240	188693	100.00	ng/ml	0.00	
29) Perylene-d12 (ISTD)	18.369	264	162940	100.00	ng/ml	0.00	
37) Dibenz(a,h)Anthracene-d...	20.759	292	108931	100.00	ng/ml	0.00	
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	7.178	82	27909	46.21	ng/ml	0.00	
10) 2-Fluorobiphenyl (Surr)	8.950	172	92755	49.67	ng/ml	0.00	
11) Acenaphthylene d-8 (Surr)	9.474	160	126796	49.31	ng/ml	0.00	
26) Terphenyl-d14 (Surr)	12.925	244	96645	48.70	ng/ml	0.00	
33) Benzo(a)pyrene d-12 (S...	18.171	264	69335	53.21	ng/ml	0.00	
Target Compounds							
							Qvalue
3) Decalin	7.359	138	6597	48.75	ng/ml		96
4) Naphthalene	7.901	128	100112	49.94	ng/ml		99
5) 2-Methylnaphthalene	8.583	142	79542	46.83	ng/ml		99
6) 1-Methylnaphthalene	8.682	142	81122	47.77	ng/ml		98
7) 1,1'-Biphenyl	9.049	154	105870	46.34	ng/ml		98
8) 2,6-Dimethylnaphthalene	9.206	156	76410	45.80	ng/ml		98
12) Acenaphthylene	9.492	152	141177	51.95	ng/ml		99
13) Acenaphthene	9.667	153	89594	50.33	ng/ml		100
14) Dibenzofuran	9.842	168	113513	50.91	ng/ml		98
15) 1,6,7-Trimethylnaphtha...	10.052	170	74864	50.15	ng/ml		99
16) Fluorene	10.191	166	92650	50.87	ng/ml		98
18) Dibenzothiopene	11.037	184	122412	49.79	ng/ml		98
19) Phenanthrene	11.165	178	138621	50.40	ng/ml		100
20) Anthracene	11.217	178	132505	51.79	ng/ml		99
21) Carbazole	11.375	167	104923	50.68	ng/ml		99
22) 1-Methylphenanthrene	11.788	192	98289	51.44	ng/ml		100
23) Fluoranthene	12.430	202	140103	50.56	ng/ml		99
25) Pyrene	12.721	202	144864	49.14	ng/ml		99
27) Benz(a)anthracene	14.878	228	106201	48.48	ng/ml		99
28) Chrysene	14.959	228	108583	52.38	ng/ml		99
30) Benzo(b)fluoranthene	17.460	252	95110	50.59	ng/ml		97
31) Benzo(k)fluoranthene	17.524	252	92505	49.97	ng/ml		97
32) Benzo(b+k)fluoranthene	17.524	252	193724	100.73	ng/ml		97
34) Benzo(e)pyrene	18.113	252	95583	50.28	ng/ml		98
35) Benzo(a)pyrene	18.229	252	82357	51.18	ng/ml		99
36) Perylene	18.427	252	100869	50.89	ng/ml		100
38) Indeno(1,2,3-cd)Pyrene	20.759	276	67142	49.98	ng/ml		89
39) Dibenz(a,h)anthracene	20.823	278	62283	49.34	ng/ml		90
40) Benzo(g,h,i)perylene	21.289	276	76359	53.58	ng/ml		91

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

Data Path : N:\data\2019-09\9I06028\
 Data File : N09061924.D
 Acq On : 06 Sep 2019 10:45 pm
 Operator :
 Sample : 9I06028-ICV1
 Misc : 1x, A19I025@50
 ALS Vial : 13 Sample Multiplier: 1
 DataAcq Meth:LVI14_BNA_ACQ.M

Quant Time: Sep 10 10:28:40 2019
 Quant Method : N:\methods\SV14_090619_PAH.M
 Quant Title : EPA 8270D: Semivolatile Organics
 QLast Update : Mon Sep 09 14:58:53 2019
 Response via : Initial Calibration
 InstName : SV-GCMS14



**Conventional Chemistry Parameters
Total Organic Carbon- Soil (5310 B)
Benchsheet & Analysis Sequence Data**

Batch 9121092
Sequence 9L19041 (A9J0861-02,03)



Apex Laboratories
PREPARATION BENCH SHEET

BATCH #: 9121092 (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
	9121092-BLK1	QC	12/18/19 17:16	0.2	0.2									
	9121092-BS1	QC	12/18/19 17:16	0.2	0.2	A19K246		1 ✓						
	A9J0861-02	B Total Organic Carbon - Soil (5310 B)	12/18/19 17:16	0.2	0.2					PDI-034SC-A-02-03-191022				
	9121092-DUP1	QC	12/18/19 17:16	0.2	0.2		A9J0861-02							
	A9J0861-03	B Total Organic Carbon - Soil (5310 B)	12/18/19 17:16	0.2	0.2					PDI-034SC-A-03-04-191022				
	A9J0903-05	B Total Organic Carbon - Soil (5310 B)	12/18/19 17:16	0.2	0.2					PDI-057SC-A-04-05-191023				
	A9J0903-06	B Total Organic Carbon - Soil (5310 B)	12/18/19 17:16	0.2	0.2					PDI-057SC-A-05-06-191023				
	A9J0903-24	B Total Organic Carbon - Soil (5310 B)	12/18/19 17:16	0.2	0.2					PDI-062SC-A-06-07-191023				
	A9J0903-25	B Total Organic Carbon - Soil (5310 B)	12/18/19 17:16	0.2	0.2					PDI-062SC-A-07-08-191023	MS/MSD			
	9121092-DUP2	QC	12/18/19 17:16	0.2	0.2		A9J0903-25							
	9121092-DUP3	QC	12/18/19 17:16	0.2	0.2		A9J0903-25				triplicate			

Standards/Reagents

Reagent(s)			Analyte Spike(s)			Surrogate(s)		
Std ID	Exp. Date	Description	Std ID	Exp. Date	Description	Std ID	Exp. Date	Description
A19F020	06/03/29	TOC Soil Drying Oven @70oC	A19K246	05/12/20 ✓	TOC 10k ppm secondary ✓			
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: CUMZ Date: 12/20/19

Reviewed By: [Signature] Date: 12/20/19



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **9L19041**
 Date: **12/19/19 12:38**

Instrument: **TOC6**
 Calibration: **A9K2205**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	9L19041-CCV1	Soil	QC	QC				A19K337
2	9L19041-CCB1	Soil	QC	QC				
3	9120922-BLK1	Soil	QC	QC		9120922		
4	9120922-BS1	Soil	QC	QC		9120922		
5	9120922-BLK2	Soil	QC	QC		9120922		
6	9120922-BLK3	Soil	QC	QC		9120922		
7	A9F0421-12	Soil	Total Organic Carbon - Sediment (PST)		12/18/19	9120922		
8	"	Soil	Total Organic Carbon - Soil (5310 B)	(QC Source)		9120922		
9	"	Soil	Total Organic Carbon - Soil (9060A)	(QC Source)		9120922		
10	9120922-DUP1	Soil	QC	QC		9120922		
11	9120922-DUP2	Soil	QC	QC		9120922		
12	A9L0137-02	Soil	Total Organic Carbon - Soil (5310 B)		12/19/19	9120922		
13	A9L0169-02	Soil	Total Organic Carbon - Soil (5310 B)		12/19/19	9120922		
14	A9L0401-01	Soil	Total Organic Carbon - Soil (9060A)		12/17/19	9120922		
15	9L19041-CCV2	Soil	QC	QC				A19K337
16	9L19041-CCB2	Soil	QC	QC				
17	9121004-BLK1	Soil	QC	QC		9121004		
18	9121004-BS1	Soil	QC	QC		9121004		
19	9121004-BLK2	Soil	QC	QC		9121004		
20	A9L0403-02	Soil	Total Organic Carbon - Soil (5310 B)		12/23/19	9121004		
21	9121004-DUP1	Soil	QC	QC		9121004		
22	9121004-DUP2	Soil	QC	QC		9121004		
23	9121092-BLK1	Soil	QC	QC		9121092		
24	9121092-BS1	Soil	QC	QC		9121092		
25	A9J0861-02	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	01/02/20	9121092		
26	9121092-DUP1	Soil	QC	QC		9121092		
27	9L19041-CCV3	Soil	QC	QC				A19K337
28	9L19041-CCB3	Soil	QC	QC				
29	A9J0861-03	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	01/02/20	9121092		
30	A9J0903-05	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	01/02/20	9121092		
31	A9J0903-06	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	01/02/20	9121092		
32	A9J0903-24	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	01/02/20	9121092		
33	A9J0903-25	Soil	Total Organic Carbon - Soil (5310 B)	Anchor QEA, LLC	01/02/20	9121092		
34	9121092-DUP2	Soil	QC	QC		9121092		
35	9121092-DUP3	Soil	QC	QC		9121092		
36	9L19041-CCV4	Soil	QC	QC				A19K337
37	9L19041-CCB4	Soil	QC	QC				

Data Entered By: WMP 12/20/19

Comments:

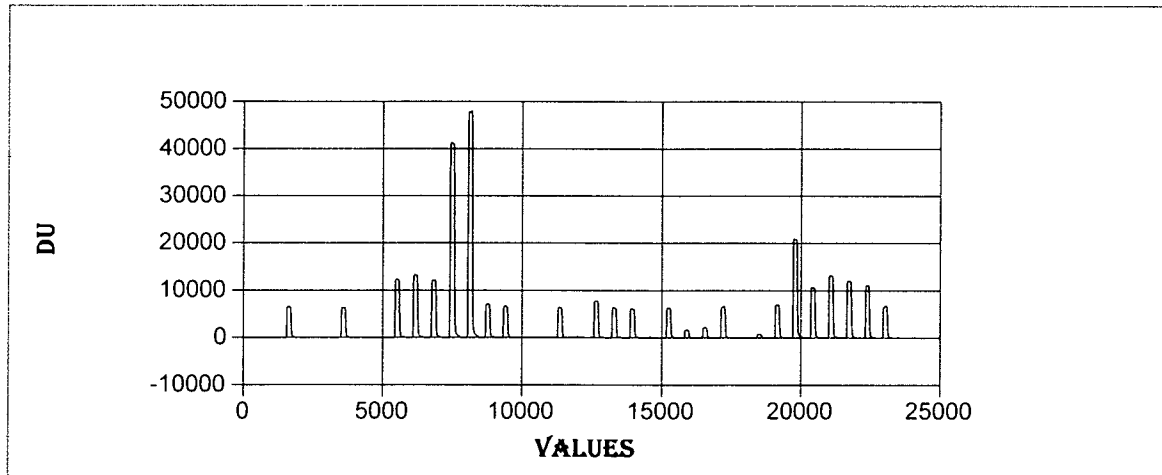
Data Reviewed By: WMP 12/20/19

Method: TCDirect Run Start Time: 12/19/2019 3:05:43
 Method Type: TC_DIRECT Run End Time: 12/19/2019 9:50:51
 Table: 9L19041 Device ID: TOC6
 Analyst: Administrator Run Name: SN10020191219A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	23.714	0.005	2324.53	12/19/2019 3:05:53 PM
A2	blank	200	0	0	0	12/19/2019 3:16:54 PM
A1	9L19041-CCV1	200	10831.044 ✓	2.166	1061717.905	12/19/2019 3:27:47 PM
A2	9L19041-CCB1	200	34.624 ✓	0.007	3394.005	12/19/2019 3:38:34 PM
A3	9120922-BLK1 ✓	217.2	51.883 ✓	0.011	5523.25	12/19/2019 3:49:20 PM
A4	9120922-BS1 ✓	200	10452.054	2.09	1024567.26	12/19/2019 4:00:06 PM
A5	9120922-BLK2 ✓	204.3	99.814 ✓	0.02	9994.65	12/19/2019 4:10:52 PM
A6	9120922-BLK3 ✓	207	75.587 ✓	0.016	7668.805	12/19/2019 4:21:38 PM
A7	A9F0421-12 ✓	201.6	20183.28 ✓	4.069	1994302.84	12/19/2019 4:32:24 PM
A8	9120922-DUP1 ✓	202.1	21691.759 ✓	4.384	2148671.06	12/19/2019 4:43:10 PM
A9	9120922-DUP2 ✓	203.4	19727.449 ✓	4.013	1966666.49	12/19/2019 4:53:57 PM
A10	A9L0137-02 ✓	204.4	66684.309	13.63	6680567.95	12/19/2019 5:04:44 PM
A11	A9L0169-02 ✓	204.4	77024.943	15.744	7716513.43	12/19/2019 5:15:30 PM
A12	A9L0401-01 ✓	202.7	11516.775 ✓	2.334	1144177.665	12/19/2019 5:26:18 PM
A13	9L19041-CCV2	200	10958.321	2.192	1074194.33	12/19/2019 5:37:04 PM
A2	9L19041-CCB2	200	76.467	0.015	7495.74	12/19/2019 5:47:51 PM
A14	9121004-BLK1 ✓	214.5	70.909 ✓	0.015	7454.805	12/19/2019 5:58:45 PM
A15	9121004-BS1 ✓	200	10527.474 ✓	2.105	1031960.345	12/19/2019 6:09:39 PM
A16	9121004-BLK2 ✓	208.3	268.785	0.056	27441.23	12/19/2019 6:20:26 PM
A17	A9L0403-02 ✓	205.8	12509.425	2.574	1261803	12/19/2019 6:31:13 PM
A18	9121004-DUP1 ✓	204.3	10289.953	2.102	1030363.83	12/19/2019 6:41:59 PM
A19	9121004-DUP2 ✓	202.4	10058.845	2.036	997855.1	12/19/2019 6:52:46 PM
A20	9121092-BLK1 ✓	215.7	129.26	0.028	13665.42	12/19/2019 7:03:33 PM
A21	9121092-BS1 ✓	200	10483.757	2.097	1027674.93	12/19/2019 7:14:20 PM
A22	A9J0861-02 ✓	200.8	2724.458	0.547	268134.45	12/19/2019 7:25:07 PM
A23	9121092-DUP1 ✓	203.9	3600.372	0.734	359810.13	12/19/2019 7:35:54 PM
A24	9L19041-CCV3	200	11001.859 ✓	2.2	1078462.145	12/19/2019 7:46:41 PM
A2	9L19041-CCB3	200	43.952 ✓	0.009	4308.385	12/19/2019 7:57:28 PM
A25	A9J0861-03 ✓	200.9	1329.859	0.267	130946.655	12/19/2019 8:08:21 PM
A26	A9J0903-05 ✓	14.9	156008.233	2.325	1139311.88	12/19/2019 8:19:15 PM
A27	A9J0903-06 ✓	200.8	34453.611	6.918	3390840.01	12/19/2019 8:30:02 PM
A28	A9J0903-24 ✓	202.2	17427.028	3.524	1727083.4	12/19/2019 8:40:49 PM
A29	A9J0903-25 ✓	200.2	21881.201	4.381	2147059.48	12/19/2019 8:51:36 PM

RR-2
 RR-2
 12/20/19
 B, Cond BK
 12/20/19
 B-02
 12/20/19
 All assoc.
 samples
 >10x
 Blk amt.
 12/20/19

A30	9121092-DUP2	201.2	19846.69	3.993	1957153.555	12/19/2019 9:02:24 PM
A31	9121092-DUP3	203.2	16928.228	3.44	1685947.495	12/19/2019 9:13:11 PM
A32	9L19041-CCV4	200	11022.882 ✓	2.205	1080522.98	12/19/2019 9:23:58 PM
A2	9L19041-CCB4	200	62.34	0.012	6110.93	12/19/2019 9:34:45 PM



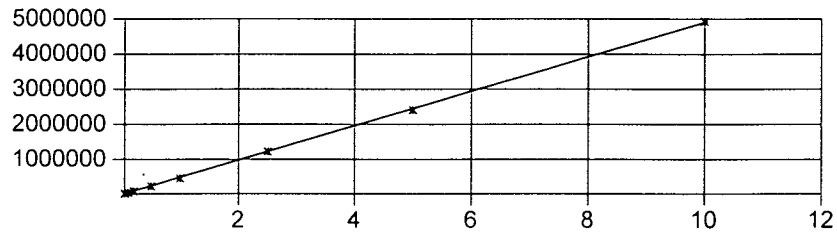
SNACCESS

RUN NAME : SN10020191122A1 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 490127.24072587600000 R = 0.99993612663687 R-

SQUARED = 0.99983314296849



**Conventional Chemistry Parameters
Total Organic Carbon- Soil (5310 B)
Calibration Data**

Sequence 9K22043 (Cal ID A9K2205) TOC6



ELEMENT SEQUENCE LOG
Apex Laboratories

NOV 25 2019

Sequence: 9K22043
Date: 11/22/19 16:01

Instrument: TOC6
Calibration: A9K2205

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	9K22043-CAL1	Sediment	QC	QC				
2	9K22043-CAL2	Sediment	QC	QC				A19K236
3	9K22043-CAL3	Sediment	QC	QC				A19K238
4	9K22043-CAL4	Sediment	QC	QC				A19K240
5	9K22043-CAL5	Sediment	QC	QC				A19K241
6	9K22043-CAL6	Sediment	QC	QC				A19K242
7	9K22043-CAL7	Sediment	QC	QC				A19K243
8	9K22043-CAL8	Sediment	QC	QC				A19K244
9	9K22043-CAL9	Sediment	QC	QC				A19K245
10	9K22043-ICV1	Sediment	QC	QC				A19K246
11	9K22043-ICB1	Sediment	QC	QC				

Data Entered By: *CMW* 11/23/19
Data Reviewed By: *AMF* 11/25/19

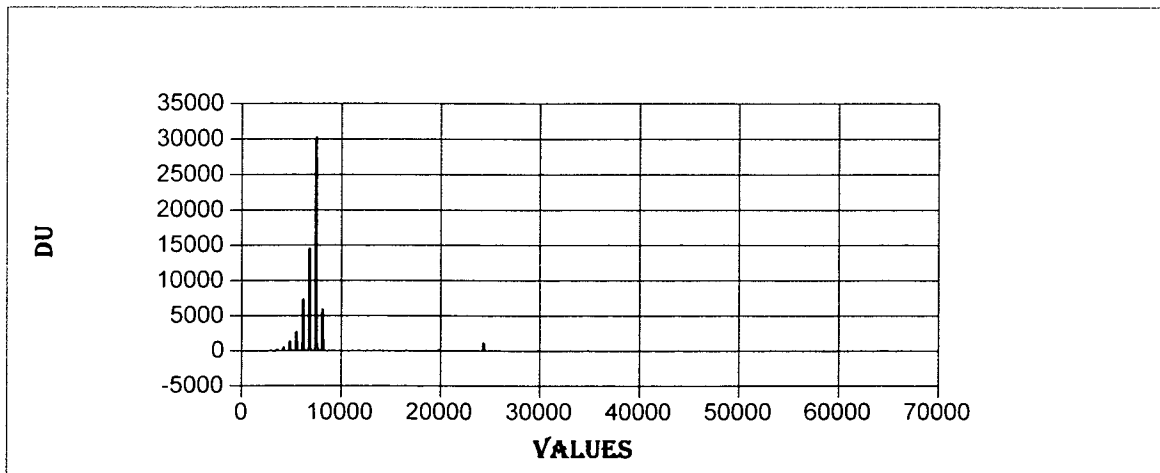
Comments: *SKalar Run FOS V10020191122A1*
CMW
11/23/19

Method: TCDirect Run Start Time: 11/22/2019 4:08:42
 Method Type: TC_DIRECT Run End Time: 11/23/2019 10:36:37
 Table: 9K22043 ✓ Device ID: TOC6
 Analyst: Administrator Run Name: SN10020191122A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	manipulator	1	6826.146	0.007	3345.68	11/22/2019 4:09:05 PM
A11	manipulator	200	0	0	0	11/22/2019 4:20:06 PM
A1	9K22043-IBL1	200	0	0	0	11/22/2019 4:31:00 PM
A1	9K22043-CAL1	200	0	0	0	11/22/2019 4:41:54 PM
A2	9K22043-CAL2	40	950.655	0.038	18637.67	11/22/2019 4:52:41 PM
A3	9K22043-CAL3	100	929.692	0.093	45566.755	11/22/2019 5:03:28 PM
A4	9K22043-CAL4	200	948.399	0.19	92967.235	11/22/2019 5:14:15 PM
A5	9K22043-CAL5	50	9627.623	0.481	235938.015	11/22/2019 5:25:02 PM
A6	9K22043-CAL6	100	9414.144	0.941	461412.825	11/22/2019 5:35:49 PM
A7	9K22043-CAL7	250	10008.155	2.502	1226317.36	11/22/2019 5:46:35 PM
A8	9K22043-CAL8	500	9822.41	4.911	2407115.24	11/22/2019 5:57:21 PM
A9	9K22043-CAL9	1000	10050.962	10.051	4926250.29	11/22/2019 6:08:08 PM
A10	9K22043-ICV1	200	10072.392 ✓	2.014	987350.73	11/22/2019 6:18:55 PM
A11	9K22043-ICB1	200	78.802 ✓	0.016	7724.565	11/22/2019 6:29:42 PM
A1	clean1	200	40.594	0.008	3979.25	11/22/2019 6:40:29 PM
A2	clean2	200	26.416	0.005	2589.43	11/22/2019 6:51:23 PM
A3	clean3	200	0	0	0	11/22/2019 7:02:10 PM
A4	clean4	200	0	0	0	11/22/2019 7:12:57 PM
A5	clean5	200	22.294	0.004	2185.37	11/22/2019 7:23:50 PM
A6	clean6	200	53.618	0.011	5255.91	11/22/2019 7:34:37 PM
A7	clean7	200	51.41	0.01	5039.51	11/22/2019 7:45:24 PM
A8	clean8	200	36.846	0.007	3611.845	11/22/2019 7:56:11 PM
A9	clean9	200	37.365	0.007	3662.725	11/22/2019 8:06:58 PM
A10	clean10	200	0	0	0	11/22/2019 8:17:45 PM
A11	clean11	200	0	0	0	11/22/2019 8:28:32 PM
A12	clean12	200	43.296	0.009	4244.13	11/22/2019 8:39:19 PM
A13	clean13	200	50.906	0.01	4990.13	11/22/2019 8:50:06 PM
A14	clean14	200	36.751	0.007	3602.53	11/22/2019 9:00:53 PM
A15	clean15	200	36.139	0.007	3542.545	11/22/2019 9:11:41 PM
A16	clean16	200	53.328	0.011	5227.52	11/22/2019 9:22:28 PM
A17	clean17	200	307.149	0.061	30108.44	11/22/2019 9:33:15 PM
A18	clean18	200	40.788	0.008	3998.24	11/22/2019 9:44:08 PM
A19	clean19	200	38.668	0.008	3790.45	11/22/2019 9:54:58 PM

Handwritten notes in the table:
 Next to 0.038: 10.0002 = 190
 Next to 0.093: 465
 Next to 0.19: 950
 Next to 0.481: 2405
 Next to 0.941: 4705
 Next to 2.502: 12510
 Next to 4.911: 24555
 Next to 10.051: 50255
 Next to 2.014: CM 11/23/19

A20	clean20	200	26.556	0.005	2603.14	11/22/2019 10:05:46 PM
A21	clean21	200	31.269	0.006	3065.2	11/22/2019 10:16:33 PM
A22	clean22	200	31.132	0.006	3051.7	11/22/2019 10:27:24 PM
A23	clean23	200	83.396	0.017	8174.96	11/22/2019 10:38:13 PM
A24	clean24	200	2014.222	0.403	197445	11/22/2019 10:49:01 PM
A25	clean25	200	49.354	0.01	4837.93	11/22/2019 10:59:47 PM
A26	clean26	200	55.138	0.011	5404.93	11/22/2019 11:10:37 PM
A27	clean27	200	0	0	0	11/22/2019 11:21:23 PM

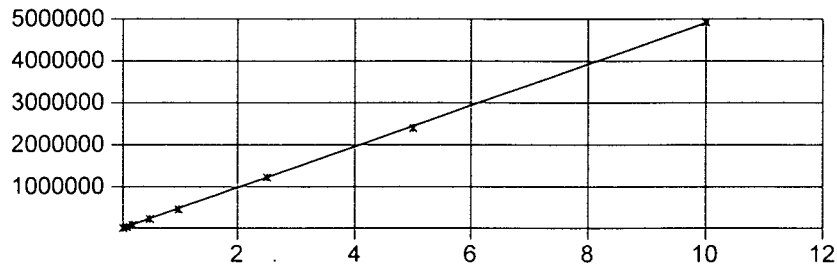


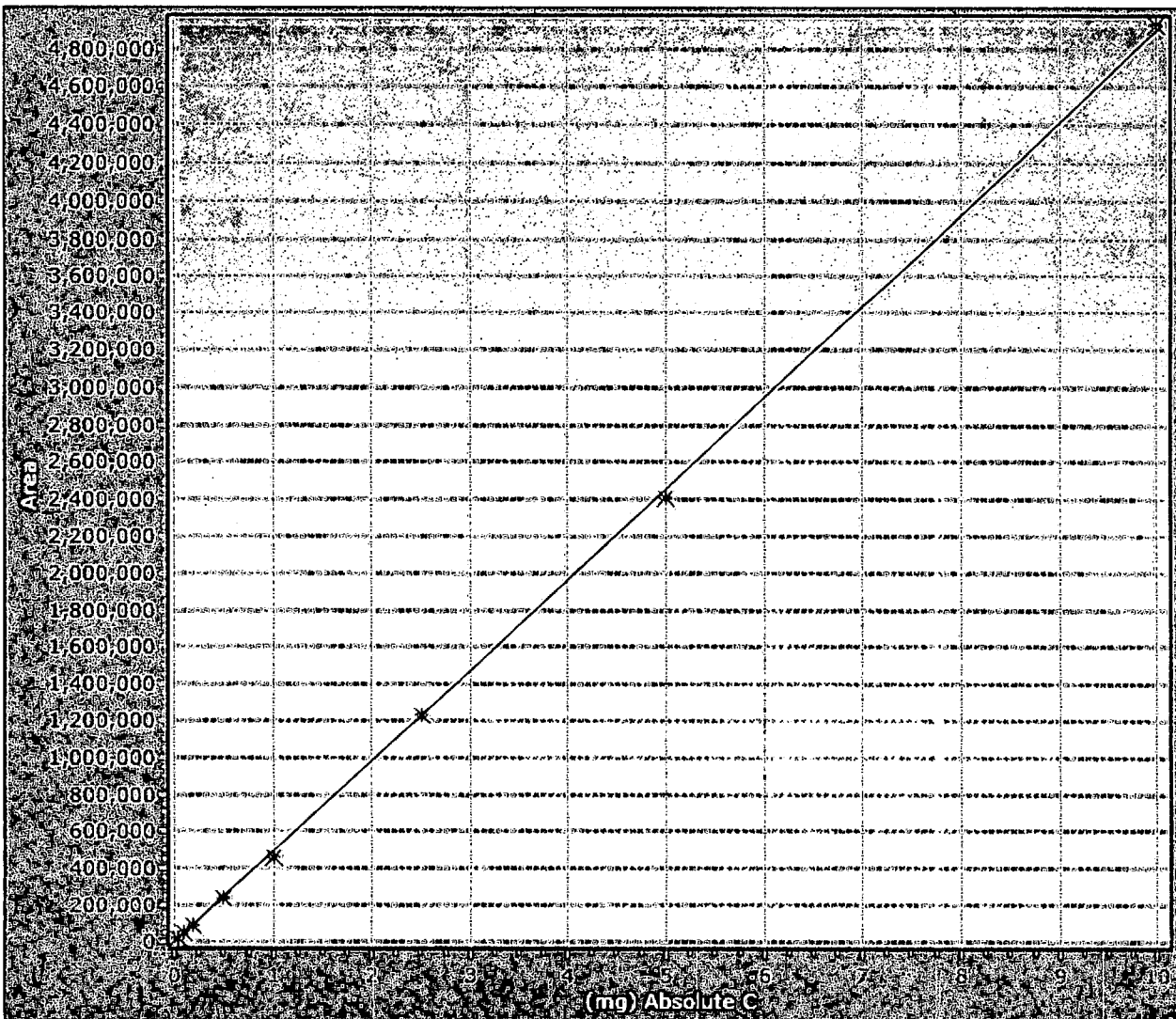
SNACCESS

METHOD NAME : TCDIRECT CALIBRATION TYPE : 1 ORDER FORCED THRO ZERO GROUP : 1

A = 0.0000000000000000 B = 490127.24072587600000 R = 0.99993612663687 R-

SQUARED = 0.99983314296849 ✓





Method Name	: TCDirect	a	= 0.00000000000000
Calibration Type	: 1 Order Forced thro Zero	b	= 490127.24072587600000
Group	: 1		
r	= 0.99993612663687		
R-Squared	= 0.99983314296849		

Element Calibration Review Sheet

Calibration ID: **A9K2205**

Instrument: **TOC6**

Calibration Date:

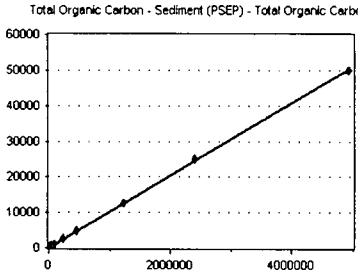
11/22/2019

Analysis: **Total Organic Carbon - Sedi**

Instrument Cal ID: **A9K2205**

Total Organic Carbon

Curve Fit: **LINEAR: Weighting: None, Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
9K22043-CAL2	200	18637.67	93.188	0.00
9K22043-CAL3	500	45566.75	91.134	0.00
9K22043-CAL4	1000	92967.23	92.967	0.00
9K22043-CAL5	2500	235938	94.375	0.00
9K22043-CAL6	5000	461412.8	92.283	0.00
9K22043-CAL7	12500	1226317	98.105	0.00
9K22043-CAL8	25000	2407115	96.285	0.00
9K22043-CAL9	50000	4926251	98.525	0.00

AVE RF **94.608** RF RSD **2.90** AVE RT **0.00**

Element Calibration Review Sheet

Calibration ID: **A9K2205**

Instrument: **TOC6**

Calibration Date:

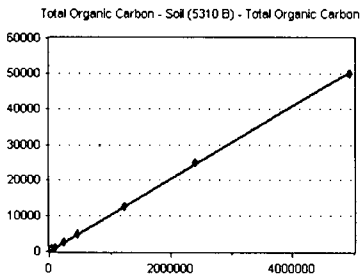
11/22/2019

Analysis: **Total Organic Carbon - Soil**

Instrument Cal ID: **A9K2205**

Total Organic Carbon

Curve Fit: **LINEAR: Weighting: None, Origin: Ignore**



Response

<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Factor</u>	<u>RT</u>
9K22043-CAL2	200	18637.67	93.188	0.00
9K22043-CAL3	500	45566.75	91.134	0.00
9K22043-CAL4	1000	92967.23	92.967	0.00
9K22043-CAL5	2500	235938	94.375	0.00
9K22043-CAL6	5000	461412.8	92.283	0.00
9K22043-CAL7	12500	1226317	98.105	0.00
9K22043-CAL8	25000	2407115	96.285	0.00
9K22043-CAL9	50000	4926251	98.525	0.00

AVE RF **94.608** RF RSD **2.90** AVE RT **0.00**

Element Calibration Review Sheet

Calibration ID: **A9K2205**

Instrument: **TOC6**

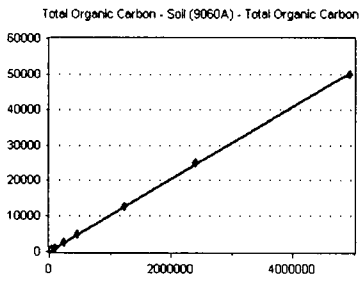
Calibration Date: **11/22/2019**

Analysis: **Total Organic Carbon - Soil**

Instrument Cal ID: **A9K2205**

Total Organic Carbon

Curve Fit: **LINEAR: Weighting: None, Origin: Ignore**



<u>Standard</u>	<u>Concentration</u>	<u>Response</u>	<u>Response</u>	<u>Factor</u>	<u>RT</u>
9K22043-CAL2	200	18637.67	93.188	0.00	
9K22043-CAL3	500	45566.75	91.134	0.00	
9K22043-CAL4	1000	92967.23	92.967	0.00	
9K22043-CAL5	2500	235938	94.375	0.00	
9K22043-CAL6	5000	461412.8	92.283	0.00	
9K22043-CAL7	12500	1226317	98.105	0.00	
9K22043-CAL8	25000	2407115	96.285	0.00	
9K22043-CAL9	50000	4926251	98.525	0.00	

AVE RF **94.608** RF RSD **2.90** AVE RT **0.00**

**Conventional Chemistry Parameters
Total Solids by SM2540G
Benchsheet Data**

Batch 9121065 (A9J0861-02,03)
Batch 0010131 (A9J0861-12,13,14,31,32,33,34,35,36,37,38)

Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 9121065 (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
9J0861-02	Dry Weight		12/18/19 11:40		1.26	28.235	21.475	74.9	Use Results from TS.. Make NR once completed.
9J0861-02	Solids, Total (SM 254		12/18/19 11:40		1.26	28.235	21.475	74.9	Use Results for Dry Weight (Not for Waters)
121065-DUP1	QC	A9J0861-02	12/18/19 11:40		1.26	27.09	20.575	74.8	
9J0861-03	Dry Weight		12/18/19 11:40		1.26	26.96	20.46	74.7	Use Results from TS.. Make NR once completed.
9J0861-03	Solids, Total (SM 254		12/18/19 11:40		1.26	26.96	20.46	74.7	Use Results for Dry Weight (Not for Waters)

Prepared By: NRP Date: 12/27/19

Reviewed By: James S. Johnson Date: 01/03/20



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0010131 (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
9J0861-12	Dry Weight		01/06/20 13:13		1.28	26.92	16.86	60.8	Use Results from TS.. Make NR once completed.
9J0861-12	Solids, Total (SM 254		01/06/20 13:13		1.28	26.92	16.86	60.8	Use Results for Dry Weight (Not for Waters)
010131-DUP1	QC	A9J0861-12	01/06/20 13:13		1.26	26.505	16.85	61.8	
9J0861-13	Dry Weight		01/06/20 13:13		1.28	27.755	21.1	74.9	Use Results from TS.. Make NR once completed.
9J0861-13	Solids, Total (SM 254		01/06/20 13:13		1.28	27.755	21.1	74.9	Use Results for Dry Weight (Not for Waters)
9J0861-14	Dry Weight		01/06/20 13:13		1.28	28.615	25.13	87.3	Use Results from TS.. Make NR once completed.
9J0861-14	Solids, Total (SM 254		01/06/20 13:13		1.28	28.615	25.13	87.3	Use Results for Dry Weight (Not for Waters)
9J0861-31	Dry Weight		01/06/20 13:13		1.27	28.675	16.93	57.1	Use Results from TS.. Make NR once completed.
9J0861-31	Solids, Total (SM 254		01/06/20 13:13		1.27	28.675	16.93	57.1	Use Results for Dry Weight (Not for Waters)
9J0861-32	Dry Weight		01/06/20 13:13		1.28	28.04	16.98	58.7	Use Results from TS.. Make NR once completed.
9J0861-32	Solids, Total (SM 254		01/06/20 13:13		1.28	28.04	16.98	58.7	Use Results for Dry Weight (Not for Waters)
9J0861-33	Dry Weight		01/06/20 13:13		1.28	27.865	17.29	60.2	Use Results from TS.. Make NR once completed.
9J0861-33	Solids, Total (SM 254		01/06/20 13:13		1.28	27.865	17.29	60.2	Use Results for Dry Weight (Not for Waters)
9J0861-34	Dry Weight		01/06/20 13:13		1.28	27.43	16.8	59.3	Use Results from TS.. Make NR once completed.
9J0861-34	Solids, Total (SM 254		01/06/20 13:13		1.28	27.43	16.8	59.3	Use Results for Dry Weight (Not for Waters)
9J0861-35	Dry Weight		01/06/20 13:13		1.27	26.88	16.95	61.2	Use Results from TS.. Make NR once completed.
9J0861-35	Solids, Total (SM 254		01/06/20 13:13		1.27	26.88	16.95	61.2	Use Results for Dry Weight (Not for Waters)
9J0861-36	Dry Weight		01/06/20 13:13		1.27	26.42	15.13	55.1	Use Results from TS.. Make NR once completed.
9J0861-36	Solids, Total (SM 254		01/06/20 13:13		1.27	26.42	15.13	55.1	Use Results for Dry Weight (Not for Waters)
9J0861-37	Dry Weight		01/06/20 13:13		1.28	27.405	16.42	58.0	Use Results from TS.. Make NR once completed.
9J0861-37	Solids, Total (SM 254		01/06/20 13:13		1.28	27.405	16.42	58.0	Use Results for Dry Weight (Not for Waters)
9J0861-38	Dry Weight		01/06/20 13:13		1.28	26.46	15.19	55.2	Use Results from TS.. Make NR once completed.

Prepared By: NRP Date: 1/17/20

Reviewed By: James A. Johnson Date: 01/20/20



Apex Laboratories
PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0010131 (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
A9J0861-38	Solids, Total (SM 254		01/06/20 13:13		1.28	26.46	15.19	55.2	Use Results for Dry Weight (Not for Waters)
010131-DUP2	QC	A9J0861-38	01/06/20 13:13		1.27	26.32	15.18	55.5	

Prepared By: NRP Date: 1/17/20

Reviewed By: _____ Date: _____

Batch #: 0010131

Total Solids Worksheet

Date: 1/6/2020

Analyst: nrp

Method: SM 2540 G

Sample ID	Tare Wt. (g)	Vessel ID	Initial (wet) Wt. (g)	Final Weight (g)			Comments
				1 st weighing	2nd Weighing	3rd Weighing	
A9J0861-12	1.280	861-12	26.920	16.860	16.860		Oven temp was 103.4 @ 11:00 1/17
0010131-DUP1	1.260	861-12Dup	26.505	16.860	16.850		source: A9J0861-12
A9J0861-13	1.280	861-13	27.755	21.100	21.110		Oven temp was 103.4 @ 11:00 1/17
A9J0861-14	1.280	861-14	28.615	25.130	25.140		Oven temp was 103.4 @ 11:00 1/17
A9J0861-31	1.270	861-31	28.675	16.930	16.930		Oven temp was 103.4 @ 11:00 1/17
A9J0861-32	1.280	861-32	28.040	16.980	16.980		Oven temp was 103.4 @ 11:00 1/17
A9J0861-33	1.280	861-33	27.865	17.290	17.290		Oven temp was 103.4 @ 11:00 1/17
A9J0861-34	1.280	861-34	27.430	16.800	16.800		Oven temp was 103.4 @ 11:00 1/17
A9J0861-35	1.270	861-35	26.880	16.950	16.950		Oven temp was 103.4 @ 11:00 1/17
A9J0861-36	1.270	861-36	26.420	15.130	15.140		Oven temp was 103.4 @ 11:00 1/17
A9J0861-37	1.280	861-37	27.405	16.420	16.420		Oven temp was 103.4 @ 11:00 1/17
A9J0861-38	1.280	861-38	26.460	15.200	15.190		Oven temp was 103.4 @ 11:00 1/17
0010131-DUP2	1.270	861-38Dup	26.320	15.180	15.180		source: A9J0861-38
Date/time first in oven:		Oven temp. (°C; in/out):		102.9/100.1	99.4/104.6	/	
1/16/20@14:47		Time of weighing:		1/17@14:20	1/17@16:30		

Balance Checksheets

Extractions December 2019
Extractions January 2020
Wet Chem December 2019
Wet Chem January 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.

Alternate Weight/ID used:

Date Range:

Month: December
Year: 2019

Day/Time	Initials
1	
2 0723	AJJ
3 10:35	Cault
4 0725	AJJ
5 0712	AJJ
6 10:30	Cault
7	
8	
9	JAG
10 1009	AJJ
11 0710	AJJ
12 0715	JAG
13 07:17	JAG
14 0707	AJJ
15	
16 0707	AJJ
17 0718	AJJ
18 06:55	CAH
19 07:20	JAG
20 9:55	J
21	
22	
23 3:50	Cault
24 13:35	J
25	
26 10:40	Cault
27 11:25	Cault
28	
29	
30 9:20	J
31 0934	AJJ

Weight One	Observed	Weight Two	Observed
	0.50		300.00
	0.50		300.00
	0.50		299.99
	0.50		300.01
	0.49		300.00
	0.50		300.02
	.48		300.00
	0.51		300.02
	0.50		300.02
	.50		300.01
	.49		300.00
	0. 12110		
0.50g	0.49	300.00g	300.01
	0.50		300.00
	0.50		300.01
	.49		300.00
	0.50		300.00
	0.51		300.02
	0.50		300.02
	0.49		300.00
	0.50		300.01
	0.48		300.00
	0.50		300.00

month

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: Dec
Year: 2019

Alternate Weight/ID used: _____
Date Range: _____

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2 8:16	MRE		99.9979		0.1000		0.0051
3 9:13	MRE		99.9971		0.1000		0.0049
4 11:24	MRF		99.9982		0.1000		0.0050
5 10:41	MRF		99.9987		0.1001		0.0050
6 10:21	MUK		99.9983		0.1000		0.0050
7							
8							
9							
10 10:25	MAS		99.9991		0.1002		0.0050
11 12:30	MAS		99.9993		0.1000		0.0049
12 10:25	MAS		99.9994		0.1000		0.0051
13 10:17	MAS		99.9995		0.1000		0.0052
14 10:30	MAS		99.9994		0.0999		0.0050
15							
16 10:30	MAS	100.0000g	99.9994	0.1000g	0.0999	.0050g	0.0050
17 10:30	MAS		99.9992		0.0999		0.0049
18 1:35	MRE		99.9991		0.1002		0.0053
19 10:16	MAS		99.9992		0.0999		0.0049
20 10:38	MAS		99.9996		0.1000		0.0051
21							
22							
23 10:24	MRF		99.9997		0.1000		0.0049
24 10:20	MRF		99.9998		0.1001		0.0051
25							0
26 10:17	MAS		99.9992		0.0999		0.0049
27 13:07	MAS		99.9993		0.1001		0.0050
28							
29							
30 9:40	MRF		99.9989		0.1001		0.0050
31							

MAS
12-16-19

MAS
12-12-19

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: Jan
 Year: 2020

Alternate Weight/ID used: _____
 Date Range: _____

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2 7:14	ME		99.9995		0.0999		0.0050
3							
4							
5							
6 14:35	MRF		99.9995		0.1000		0.0051
7 10:20	MRF		99.9995		0.1000		0.0050
8 10:05	MRF		99.9997		0.1000		0.0050
9 12:29	MMK		99.9999		0.1002		0.0052
10							
11							
12							
13 12:22	MMK		99.9995		0.1000		0.0050
14 10:15	MAS		99.9993		0.0999		0.0050
15 16:35	MAS		99.9994		0.1000		0.0051
16 12:12	MAS	100.0000g	99.9991	0.1000g	0.1000	.0050g	0.0051
17 11:52	MAS		99.9990		0.1000		0.0050
18							
19							
20 16:40	MAS		99.9996		0.0999		0.0051
21 09:49	CMR		99.9994		0.1002		0.0049
22 10:12	MMK		99.9992		0.1000		0.0049
23 14:03	MMK		99.9995		0.1001		0.0050
24 11:34	MMK		99.9996		0.0999		0.0050
25							
26							
27 09:57	MMK		100.0002		0.0999		0.0051
28 10:26	MAS		100.0002		0.1001		0.0051
29 11:56	MAS		100.0004		0.1000		0.0049
30 11:39	MAS		100.0003		0.1000		0.0051
31 10:06	MAS		100.0004		0.0999		0.0050